

Data Path : Z:\HPCHEM1\BNA F\DATA\BF021416\
 Data File : BF085065.D
 Acq On : 13 Feb 2016 3:48
 Operator : SJ/IZ
 Sample : H1396-07MSD
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 S4-B003(10-12)MSD

Manual Integrations
 APPROVED

Sohil
 2/15/2016 4:44:46 PM

Quant Time: Feb 13 06:43:56 2016
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF021316.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Sat Feb 13 00:11:18 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	5.88	152	145953	20.00	ng	0.00
21) Naphthalene-d8	7.78	136	654048	20.00	ng	-0.01
38) Acenaphthene-d10	10.58	164	297744	20.00	ng	0.00
63) Phenanthrene-d10	12.99	188	531089	20.00	ng	0.00
75) Chrysene-d12	17.18	240	339258	20.00	ng	0.00
86) Perylene-d12	18.80	264	279888	20.00	ng	0.00

System Monitoring Compounds

5) 2-Fluorophenol	4.15	112	915928	109.73	ng	-0.01
7) Phenol-d6	5.44	99	1386307	124.62	ng	0.00
23) Nitrobenzene-d5	6.71	82	886050	80.00	ng	-0.01
41) 2,4,6-Tribromophenol	11.88	330	347520	113.00	ng	0.00
44) 2-Fluorobiphenyl	9.53	172	1261843	60.58	ng	0.00
78) Terphenyl-d14	15.62	244	984590	59.73	ng	0.00

Target Compounds

						Qvalue
2) 1,4-Dioxane	2.02	88	116337	33.83	ng	99
3) Pyridine	2.47	79	246410	30.67	ng	96
4) n-Nitrosodimethylamine	2.46	42	119282	28.86	ng	# 98
6) Aniline	5.46	93	220349	18.11	ng	# 80
8) 2-Chlorophenol	5.59	128	418853	40.82	ng	95
9) Benzaldehyde	5.42	77	107126	17.88	ng	92
10) Phenol	5.46	94	503579	38.70	ng	85
11) bis(2-Chloroethyl)ether	5.53	93	436712	38.57	ng	98
12) 1,3-Dichlorobenzene	5.79	146	378041	37.05	ng	95
13) 1,4-Dichlorobenzene	5.91	146	388876	34.25	ng	97
14) 1,2-Dichlorobenzene	6.11	146	425329	39.85	ng	99
15) Benzyl Alcohol	6.19	79	220424	32.43	ng	97
16) 2,2'-oxybis(1-Chloropropan	6.30	45	677048	39.50	ng	94
17) 2-Methylphenol	6.33	107	243378	32.76	ng	95
18) Hexachloroethane	6.58	117	168735	40.33	ng	90
19) n-Nitroso-di-n-propylamine	6.50	70	286222	40.84	ng	95
20) 3+4-Methylphenols	6.57	107	290554	32.48	ng	# 81
22) Acetophenone	6.50	105	607204	36.22	ng	# 96
24) Nitrobenzene	6.74	77	335648	27.74	ng	99
25) Isophorone	7.10	82	785978	39.56	ng	97
26) 2-Nitrophenol	7.23	139	223030	38.45	ng	98
27) 2,4-Dimethylphenol	7.35	122	366341	39.03	ng	97
28) bis(2-Chloroethoxy)methane	7.47	93	496439	40.25	ng	99
29) 2,4-Dichlorophenol	7.63	162	322718	37.83	ng	99
30) 1,2,4-Trichlorobenzene	7.70	180	381052	38.75	ng	99
31) Naphthalene	7.82	128	1271719	40.10	ng	99
33) 4-Chloroaniline	8.03	127	127779	10.62	ng	96
34) Hexachlorobutadiene	8.01	225	208607	37.88	ng	96
35) Caprolactam	8.57	113	80932m	35.29	ng	
36) 4-Chloro-3-methylphenol	8.81	107	359001	37.12	ng	97
37) 2-Methylnaphthalene	8.92	142	792175	39.16	ng	97
39) 1,2,4,5-Tetrachlorobenzene	9.19	216	365128	37.95	ng	98
40) Hexachlorocyclopentadiene	9.16	237	249152	64.35	ng	97
42) 2,4,6-Trichlorophenol	9.43	196	187631	35.37	ng	99

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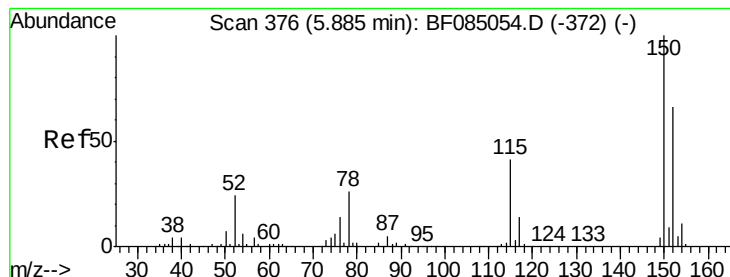
Manual Integrations
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 2/15/2016 4:44:46 PM

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
43) 2,4,5-Trichlorophenol	9.51	196	249540	40.43	nq	96
45) 1,1'-Biphenyl	9.69	154	1036019	38.25	nq	99
46) 2-Chloronaphthalene	9.70	162	762138	39.71	nq	100
47) 2-Nitroaniline	9.94	65	232961	39.32	nq	97
48) Acenaphthylene	10.35	152	1159353	38.05	nq	99
49) Dimethylphthalate	10.23	163	1112098	49.82	nq	99
50) 2,6-Dinitrotoluene	10.33	165	175716	38.37	nq	# 90
51) Acenaphthene	10.64	154	710804	38.58	nq	99
52) 3-Nitroaniline	10.66	138	123687	24.31	nq	99
53) 2,4-Dinitrophenol	10.81	184	81859	45.91	nq	98
54) Dibenzofuran	10.92	168	1039094	42.17	nq	99
55) 4-Nitrophenol	11.04	139	209604	64.20	nq	91
56) 2,4-Dinitrotoluene	10.99	165	251947	40.38	nq	93
57) Fluorene	11.48	166	828285	39.19	nq	99
58) 2,3,4,6-Tetrachlorophenol	11.16	232	227519	46.60	nq	# 97
59) Diethylphthalate	11.38	149	865981	39.15	nq	98
60) 4-Chlorophenyl-phenylether	11.51	204	392879	38.80	nq	95
61) 4-Nitroaniline	11.64	138	168362	36.01	nq	97
62) Azobenzene	11.76	77	898532	42.16	nq	97
64) 4,6-Dinitro-2-methylphenol	11.64	198	100228	34.33	nq	85
65) n-Nitrosodiphenylamine	11.72	169	684835	40.61	nq	99
66) 4-Bromophenyl-phenylether	12.30	248	240539	40.66	nq	95
67) Hexachlorobenzene	12.35	284	256855	40.61	nq	92
68) Atrazine	12.64	200	180309	36.89	nq	97
69) Pentachlorophenol	12.72	266	194811	71.67	nq	97
70) Phenanthrene	13.03	178	1118667	38.20	nq	98
71) Anthracene	13.12	178	1268186	41.44	nq	99
72) Carbazole	13.43	167	1048962	41.40	nq	99
73) Di-n-butylphthalate	14.03	149	1292140	38.85	nq	99
74) Fluoranthene	14.96	202	1121511	38.44	nq	100
76) Benzidine	15.28	184	155776	22.55	nq	98
77) Pyrene	15.31	202	1111714	40.97	nq	98
79) Butylbenzylphthalate	16.45	149	460118	40.32	nq	99
80) Benzo(a)anthracene	17.17	228	755223	38.44	nq	99
81) 3,3'-Dichlorobenzidine	17.18	252	103941	18.21	nq	99
82) Chrysene	17.21	228	735721	38.62	nq	98
83) Bis(2-ethylhexyl)phthalate	17.27	149	599572	39.96	nq	99
84) Di-n-octyl phthalate	18.02	149	882769	41.41	nq	99
85) Indeno(1,2,3-cd)pyrene	20.09	276	708357	44.75	nq	99
87) Benzo(b)fluoranthene	18.41	252	642830m	35.03	nq	
88) Benzo(k)fluoranthene	18.43	252	604204m	41.22	nq	
89) Benzo(a)pyrene	18.74	252	595756	38.39	nq	99
90) Dibenzo(a,h)anthracene	20.11	278	603590	40.98	nq	97
91) Benzo(g,h,i)perylene	20.48	276	604880	39.55	nq	97

(#) = qualifier out of range (m) = manual integration (+) = signals summed



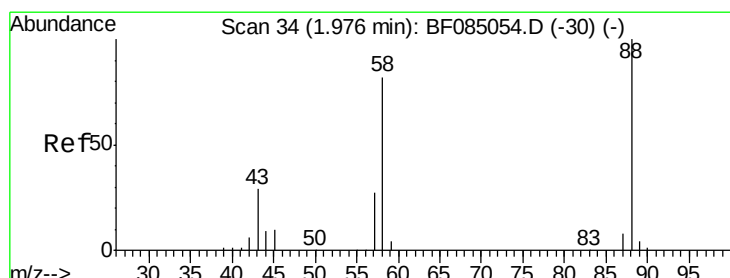
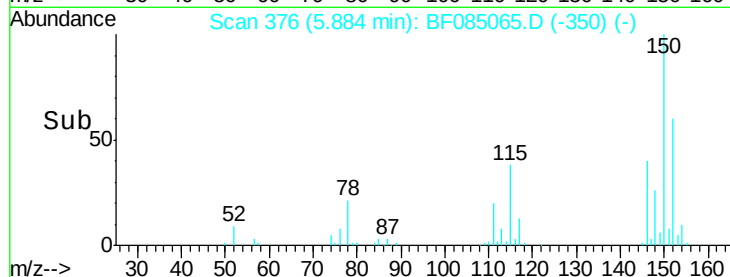
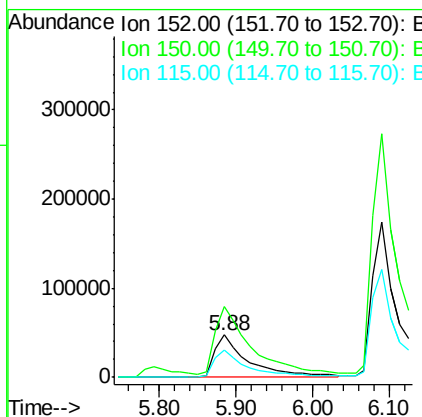
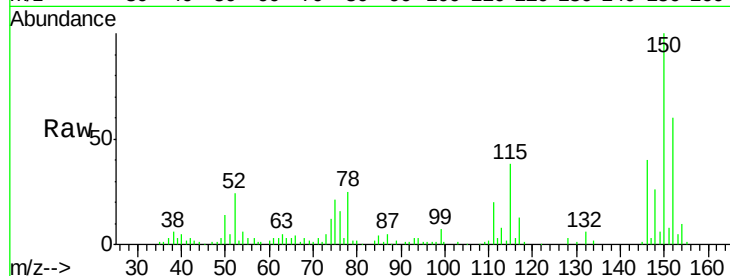
#1
 1,4-Dichlorobenzene-d4
 Concen: 20.00 ng
 RT: 5.88 min Scan# 376
 Delta R.T. -0.00 min
 Lab File: BF085065.D
 Acq: 13 Feb 2016 3:48

Instrument :
 BNA_F
 ClientSampleId :
 S4-B003(10-12)MSD

Tot Ion	Ratio	Lower	Upper
152	100		
150	166.7	127.4	191.2
115	63.0	50.5	75.7

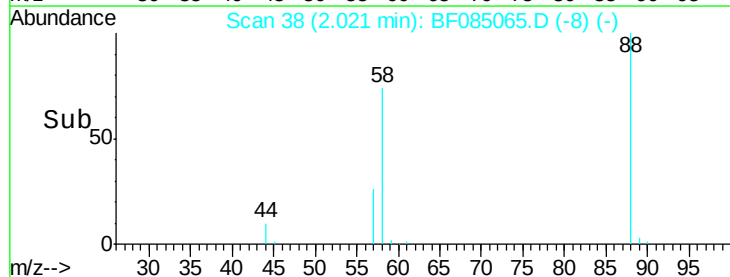
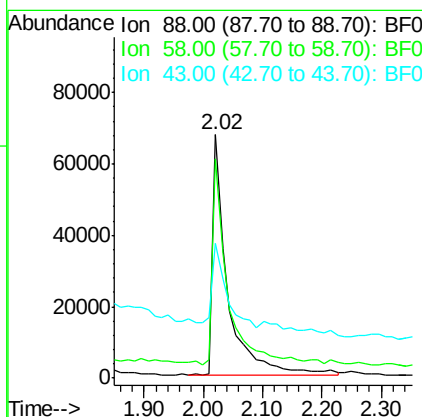
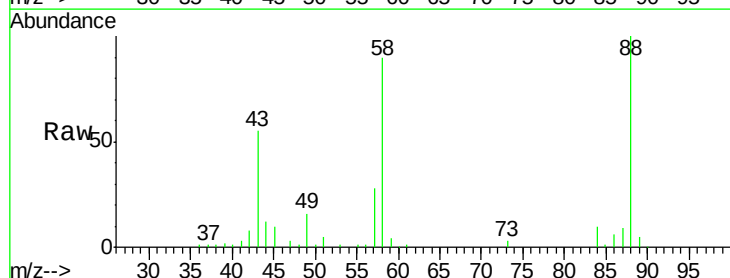
Manual Integrations
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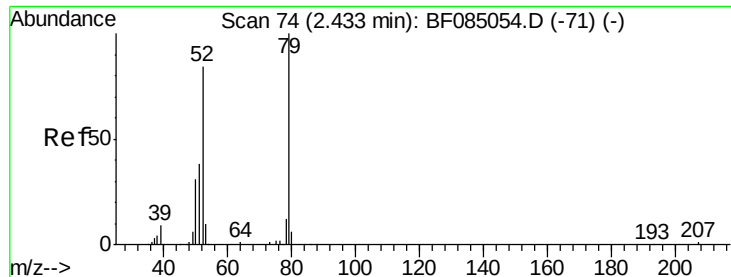
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#2
 1,4-Dioxane
 Concen: 33.83 ng
 RT: 2.02 min Scan# 38
 Delta R.T. 0.05 min
 Lab File: BF085065.D
 Acq: 13 Feb 2016 3:48

Tgt Ion	Ratio	Lower	Upper
88	100		
58	88.1	70.9	106.3
43	33.1	25.9	38.9





#3

Pvridine

Concen: 30.67 ng

RT: 2.47 min Scan# 77

Delta R.T. 0.03 min

Lab File: BF085065.D

Acq: 13 Feb 2016 3:48

Instrument :

BNA_F

ClientSampleId :

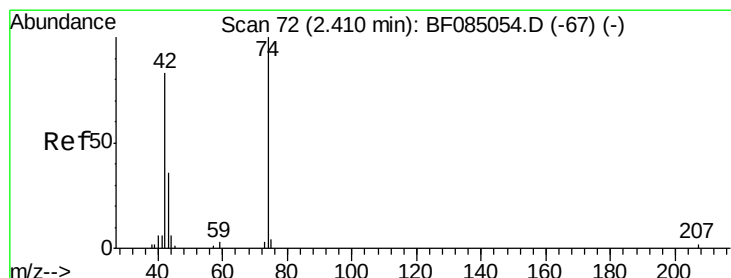
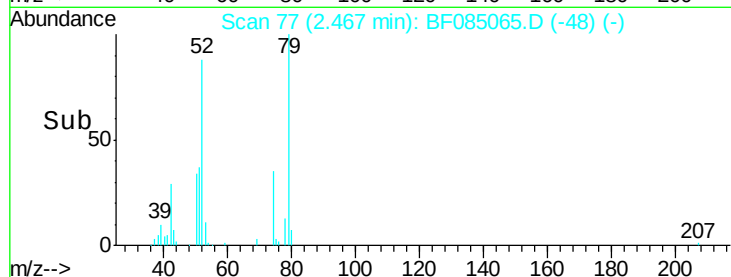
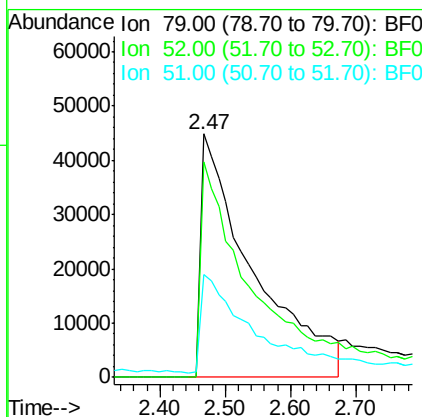
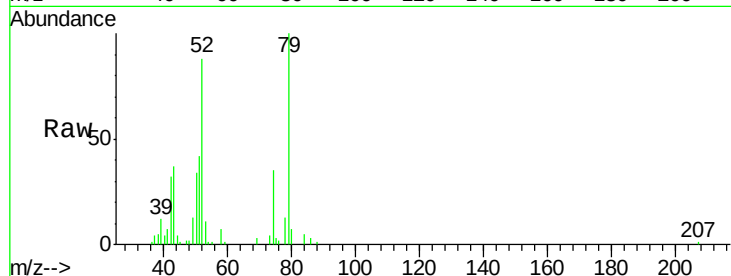
S4-B003(10-12)MSD

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Tot Ion	Ion	Ratio	Lower	Upper
79	100			
52	88.5	67.1	100.7	
51	42.3	32.7	49.1	



#4

n-Nitrosodimethylamine

Concen: 28.86 ng

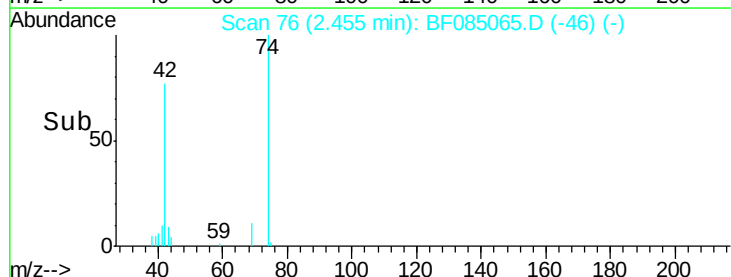
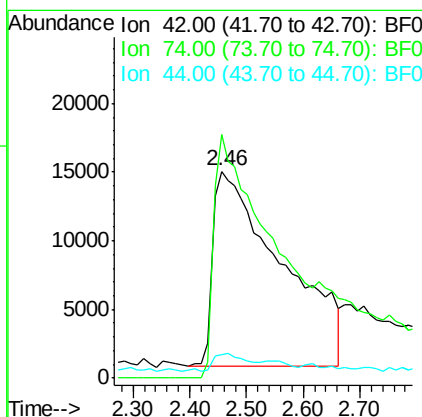
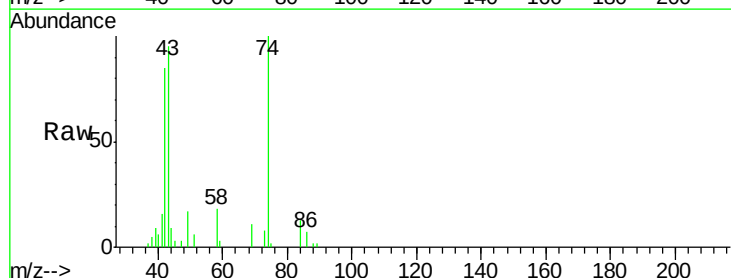
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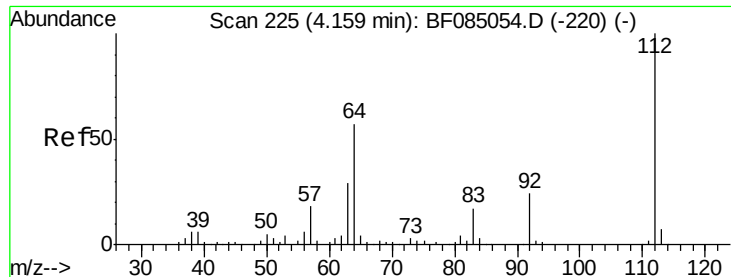
Delta R.T. 0.05 min

Lab File: BF085065.D

Acq: 13 Feb 2016 3:48

Tgt Ion	Ion	Ratio	Lower	Upper
42	100			
74	117.9	96.2	144.4	
44	11.2	7.0	10.4	





#5

2-Fluorophenol

Concen: 109.73 ng

RT: 4.15 min Scan# 224

Delta R.T. -0.01 min

Lab File: BF085065.D

Acq: 13 Feb 2016 3:48

Instrument :

BNA_F

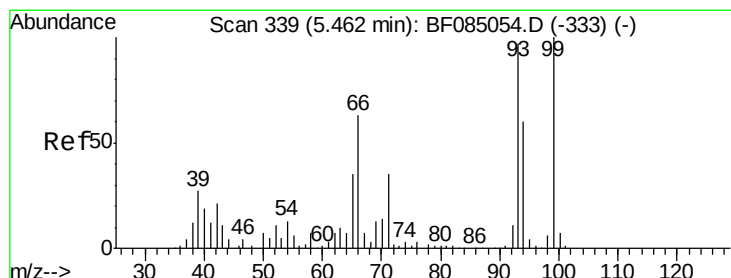
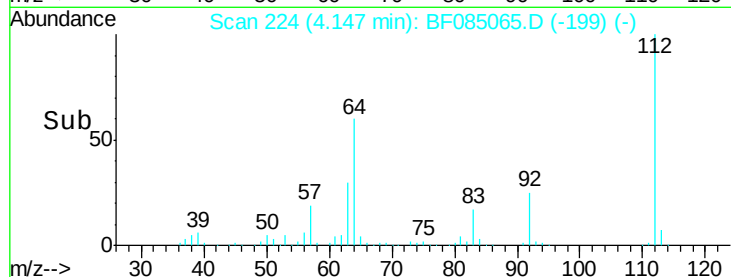
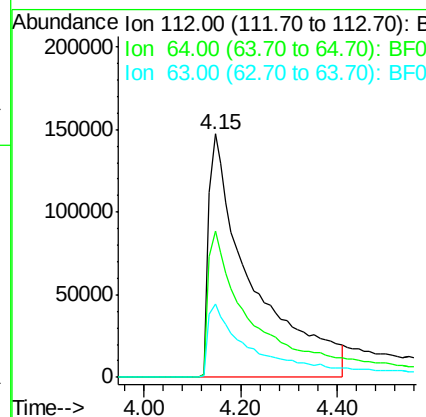
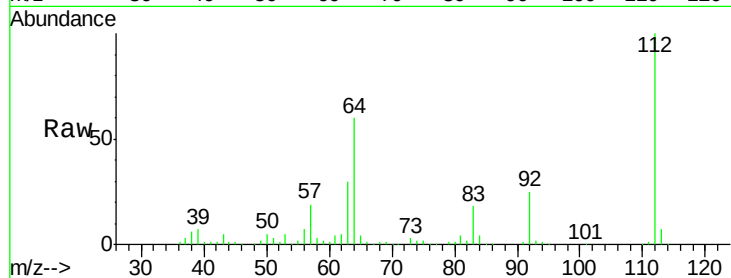
ClientSampleId :

S4-B003(10-12)MSD

Tot Ion	Ion	Ratio	Resp	Lower	Upper
112	100		915928		
64	60.2	45.4	68.2		
63	30.4	23.2	34.8		

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#6

Aniline

Concen: 18.11 ng

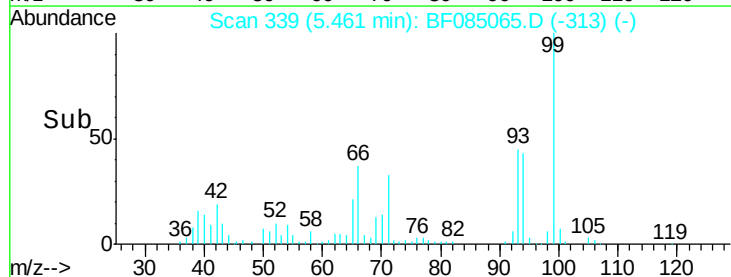
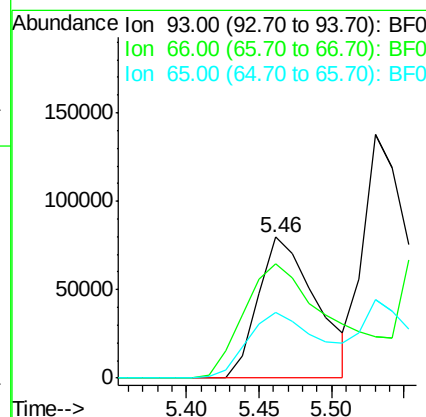
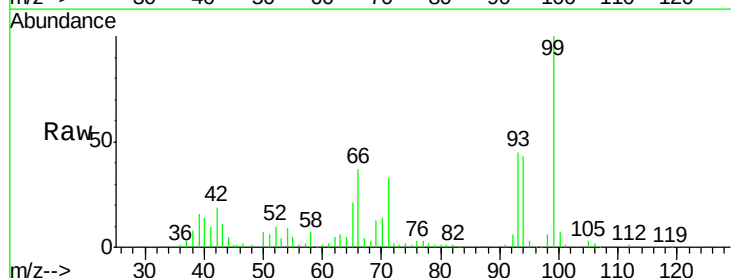
RT: 5.46 min Scan# 339

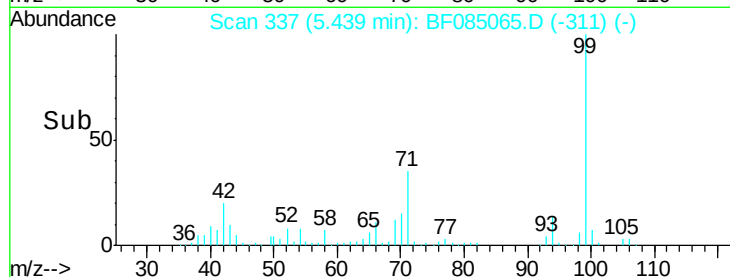
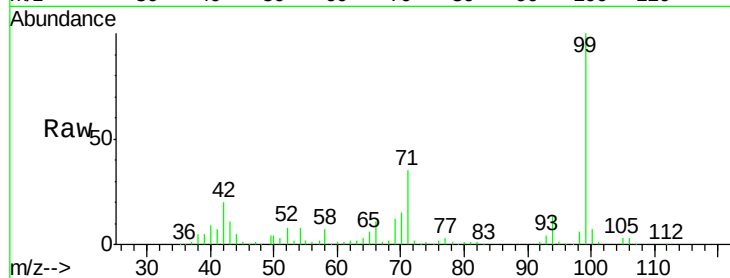
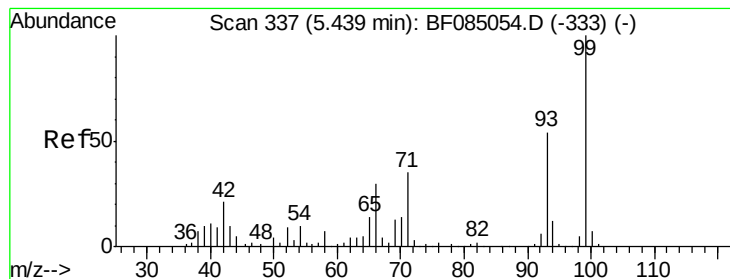
Delta R.T. 0.00 min

Lab File: BF085065.D

Acq: 13 Feb 2016 3:48

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
93	100		220349		
66	81.2	51.8	77.8#		
65	46.6	28.5	42.7#		





#7

Phenol-d6

Concen: 124.62 ng

RT: 5.44 min Scan# 337

Delta R.T. -0.00 min

Lab File: BF085065.D

Acq: 13 Feb 2016 3:48

Tot Ion:	99	Resp:	1386307
Ion	Ratio	Lower	Upper
99	100		
42	19.8	17.0	25.4
71	35.2	28.3	42.5

Instrument :

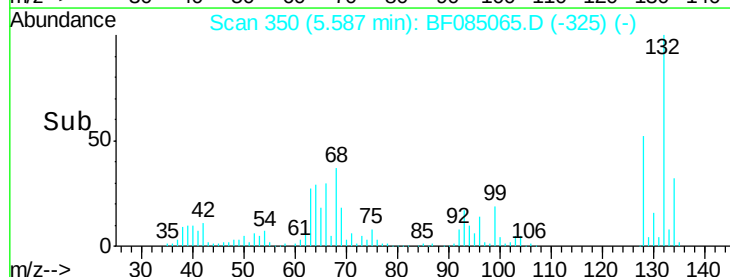
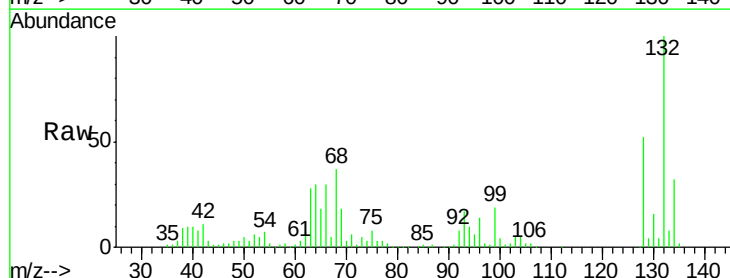
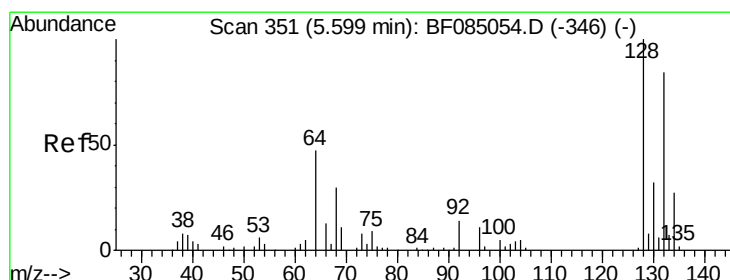
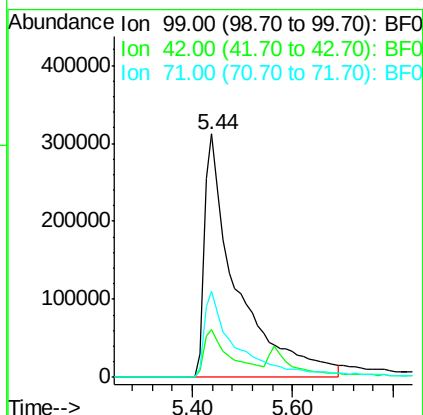
BNA_F

ClientSampleId :

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#8

2-Chlorophenol

Concen: 40.82 ng

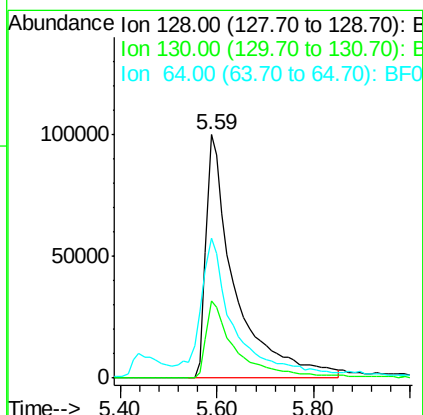
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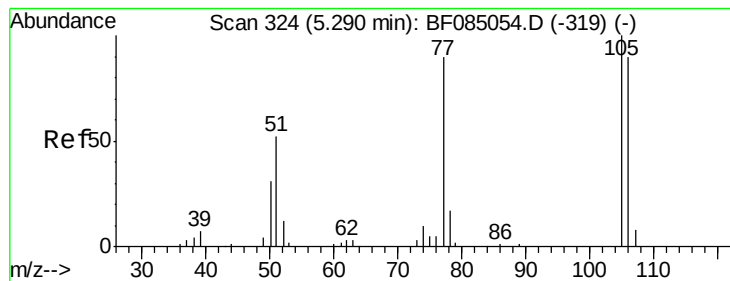
Delta R.T. -0.01 min

Lab File: BF085065.D

Acq: 13 Feb 2016 3:48

Tgt Ion:	128	Resp:	418853
Ion	Ratio	Lower	Upper
128	100		
130	31.7	12.4	52.4
64	57.6	32.1	72.1





#9

Benzaldehyde

Concen: 17.88 ng

RT: 5.42 min Scan# 335

Delta R.T. 0.13 min

Lab File: BF085065.D

Acq: 13 Feb 2016 3:48

Instrument :

BNA_F

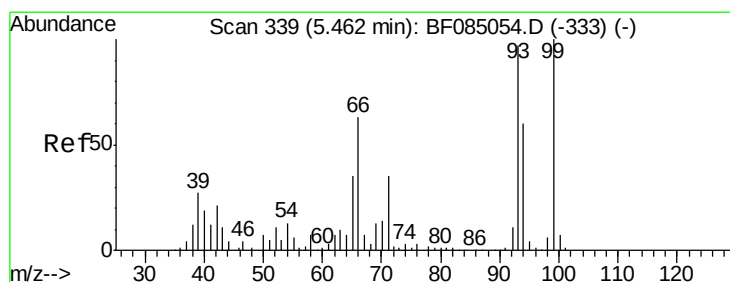
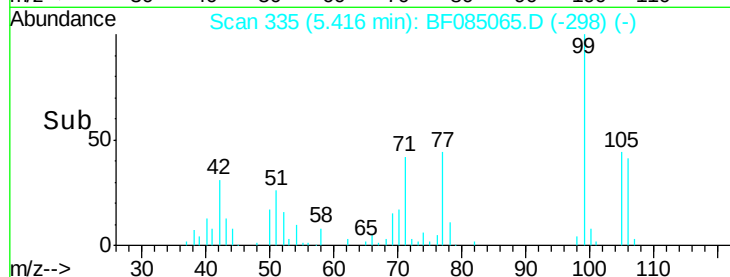
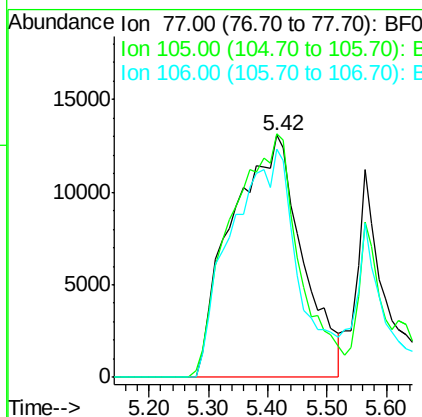
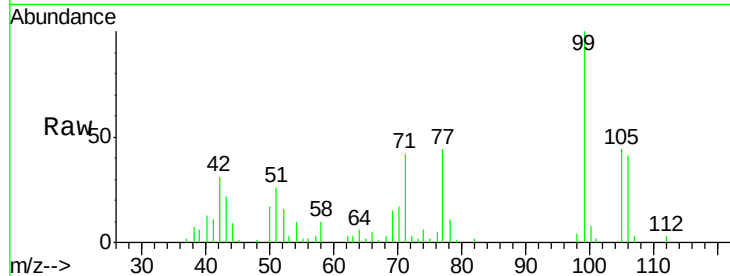
ClientSampleId :

S4-B003(10-12)MSD

Tot Ion:	77	Resp:	107126
Ion Ratio	Lower	Upper	
77	100		
105	100.7	90.9	130.9
106	94.5	79.7	119.7

Manual Integrations
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#10

Phenol

Concen: 38.70 ng

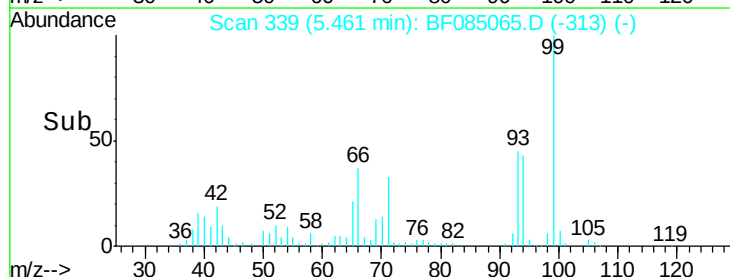
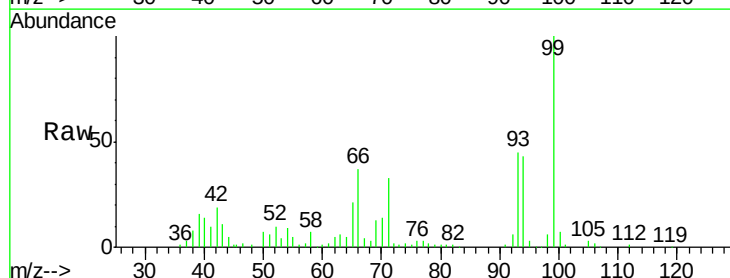
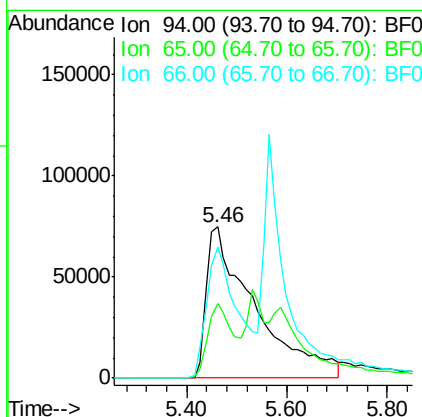
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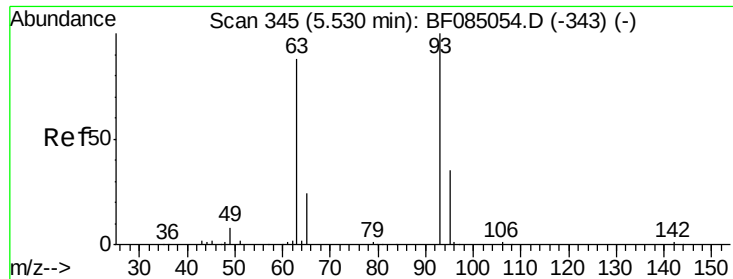
Delta R.T. -0.00 min

Lab File: BF085065.D

Acq: 13 Feb 2016 3:48

Tgt Ion:	94	Resp:	503579
Ion Ratio	Lower	Upper	
94	100		
65	49.5	37.3	77.3
66	86.2	84.1	124.1





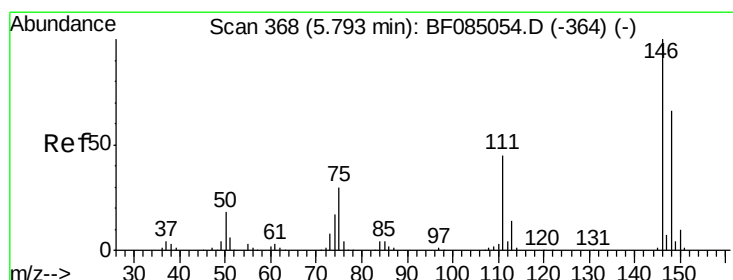
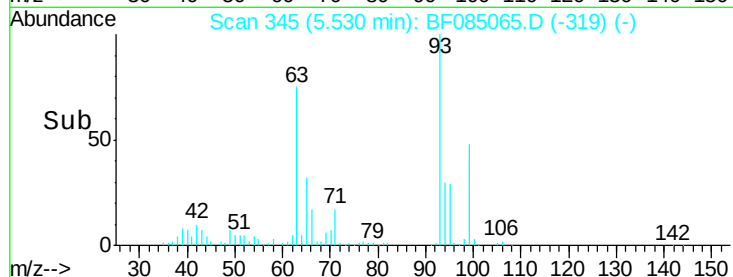
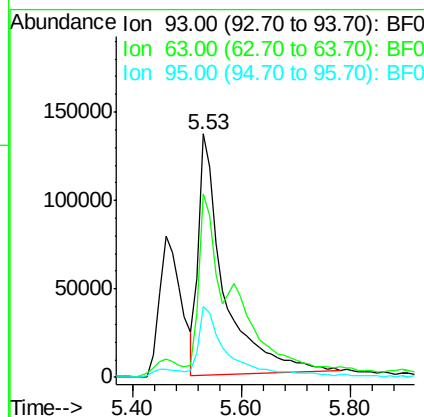
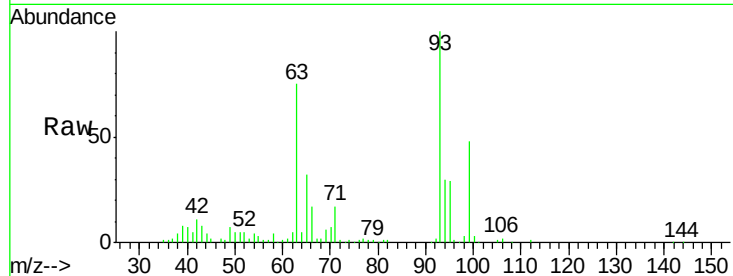
#11
bis(2-Chloroethyl)ether
Concen: 38.57 ng
RT: 5.53 min Scan# 345
Delta R.T. 0.00 min
Lab File: BF085065.D
Acq: 13 Feb 2016 3:48

Instrument :
BNA_F
ClientSampleId :
S4-B003(10-12)MSD

Tot Ion:	93	Resp:	436712
Ion Ratio	Lower	Upper	
93	100		
63	75.4	53.6	93.6
95	29.3	10.1	50.1

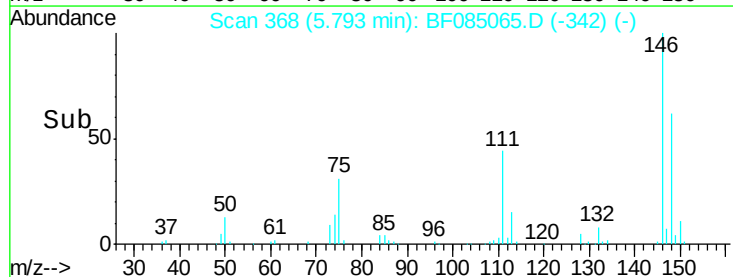
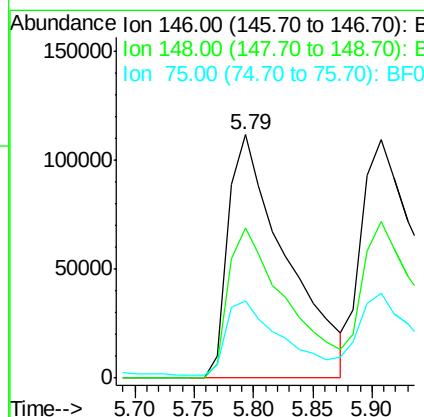
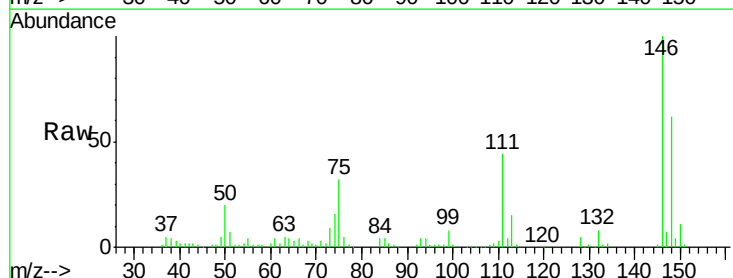
Manual Integrations
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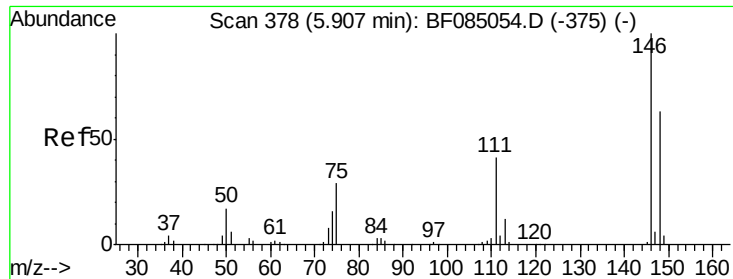
Sohil
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#12
1,3-Dichlorobenzene
Concen: 37.05 ng
RT: 5.79 min Scan# 368
Delta R.T. -0.00 min
Lab File: BF085065.D
Acq: 13 Feb 2016 3:48

Tgt Ion:	146	Resp:	378041
Ion Ratio	Lower	Upper	
146	100		
148	61.6	53.1	79.7
75	31.5	24.4	36.6





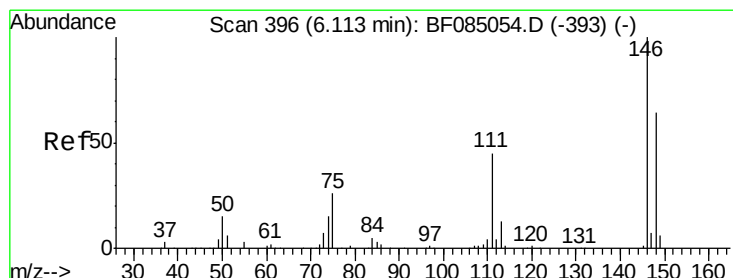
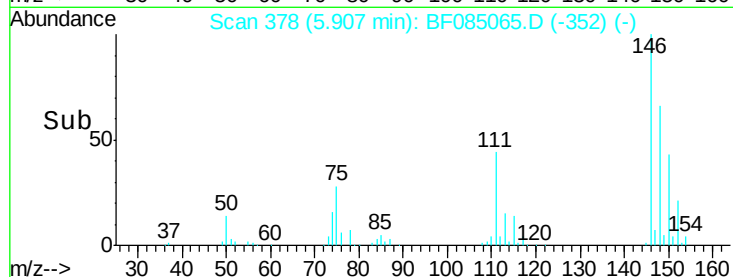
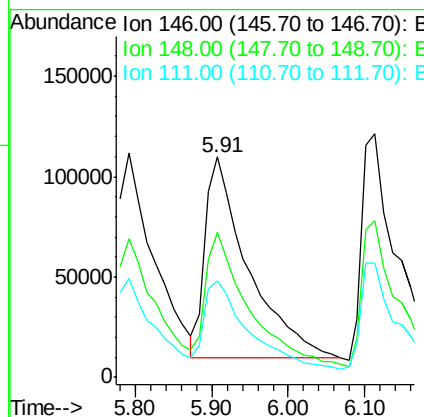
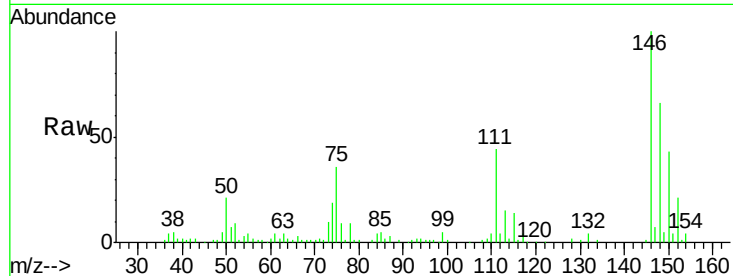
#13
1,4-Dichlorobenzene
Concen: 34.25 ng
RT: 5.91 min Scan# 378
Delta R.T. -0.00 min
Lab File: BF085065.D
Acq: 13 Feb 2016 3:48

Instrument :
BNA_F
ClientSampleId :
S4-B003(10-12)MSD

Tot Ion	Ratio	Lower	Upper
146	100		
148	65.7	50.3	75.5
111	43.6	33.6	50.4

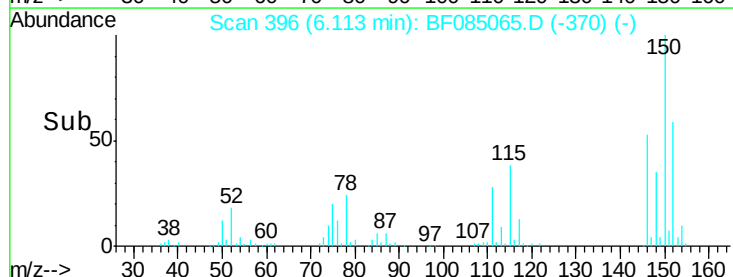
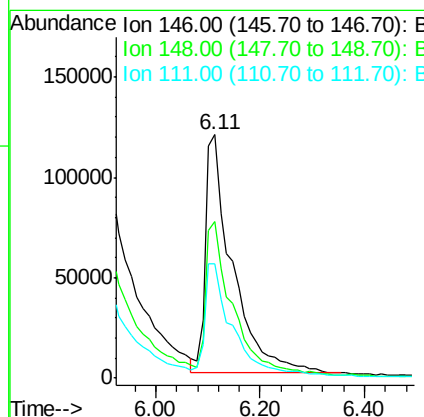
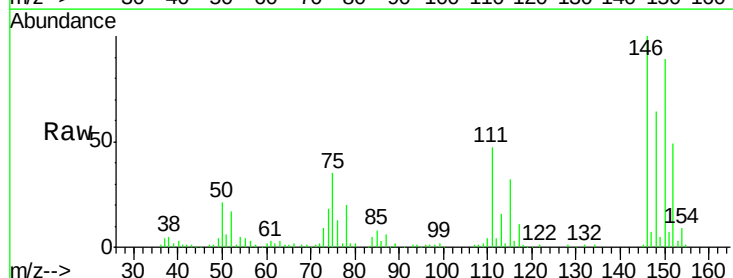
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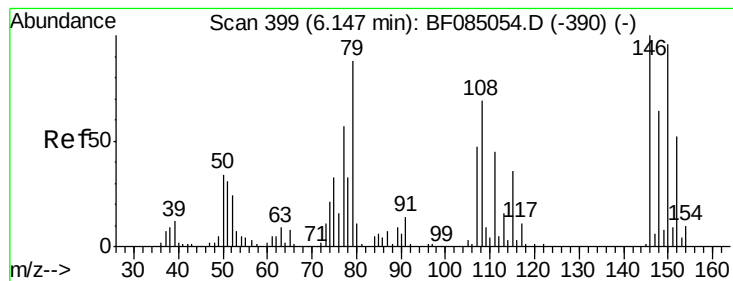
Sohil
2/15/2016 4:44:46 PM



#14
1,2-Dichlorobenzene
Concen: 39.85 ng
RT: 6.11 min Scan# 396
Delta R.T. -0.00 min
Lab File: BF085065.D
Acq: 13 Feb 2016 3:48

Tgt Ion	Ratio	Lower	Upper
146	100		
148	64.3	51.5	77.3
111	47.0	36.5	54.7





#15

Benzyl Alcohol

Concen: 32.43 ng

RT: 6.19 min Scan# 403

Delta R.T. 0.05 min

Lab File: BF085065.D

Acq: 13 Feb 2016 3:48

Instrument :

BNA_F

ClientSampleId :

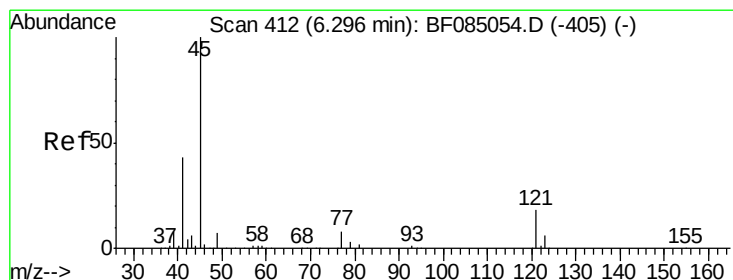
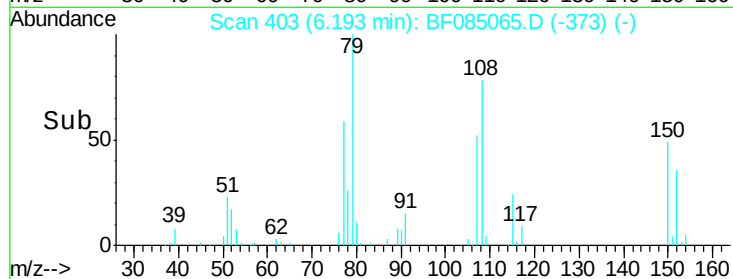
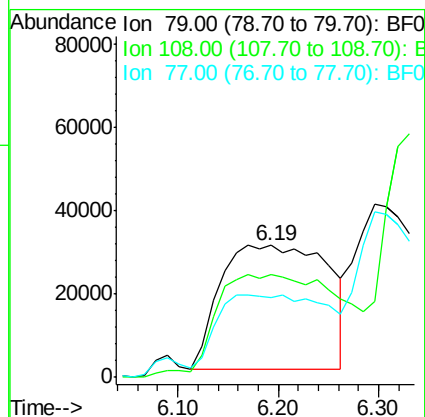
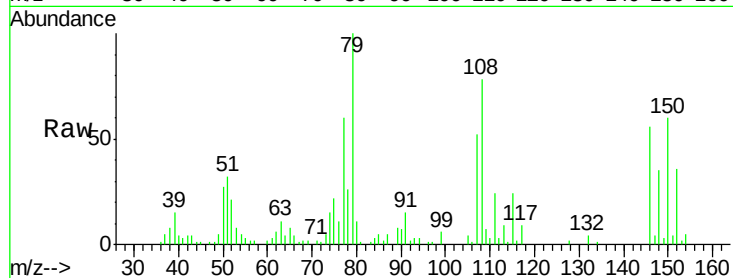
S4-B003(10-12)MSD

Tot Ion: 79 Resp: 220424
Ion Ratio Lower Upper

79	100		
108	78.3	63.4	95.0
77	60.4	51.8	77.6

Manual Integrations
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#16

2,2'-oxybis(1-Chloropropane)

Concen: 39.50 ng

RT: 6.30 min Scan# 412

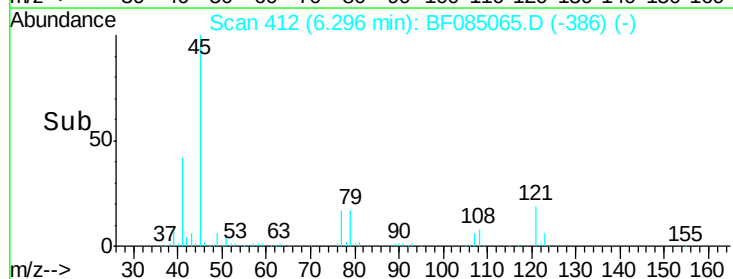
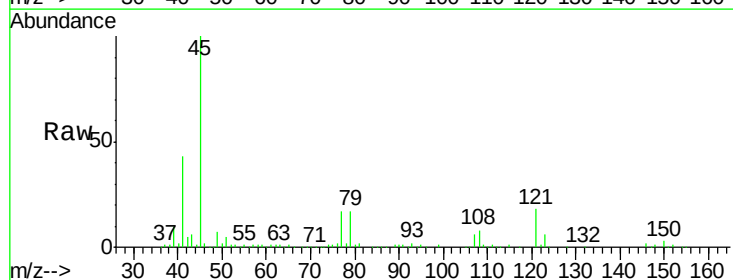
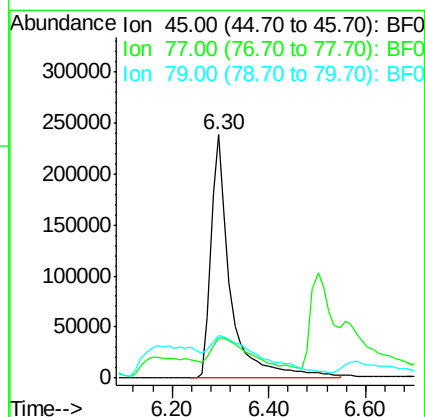
Delta R.T. -0.00 min

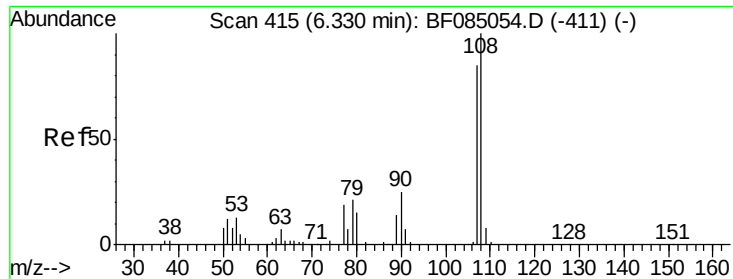
Lab File: BF085065.D

Acq: 13 Feb 2016 3:48

Tgt Ion: 45 Resp: 677048
Ion Ratio Lower Upper

45	100		
77	16.7	0.0	35.2
79	17.4	0.0	33.7





#17

2-Methylphenol

Concen: 32.76 ng

RT: 6.33 min Scan# 415

Delta R.T. -0.00 min

Lab File: BF085065.D

Acq: 13 Feb 2016 3:48

Instrument :

BNA_F

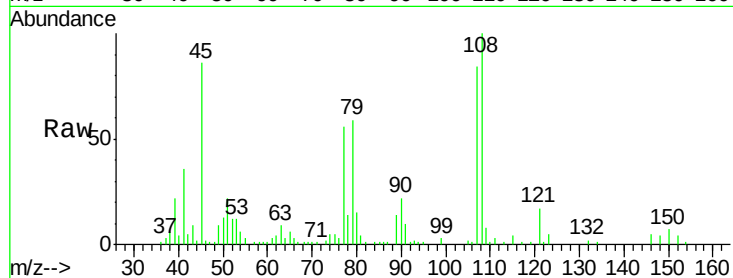
ClientSampleId :

S4-B003(10-12)MSD

Tot Ion:	107	Resp:	243378
Ion Ratio	Lower	Upper	
107	100		
108	119.1	97.0	145.4
77	66.3	50.5	75.7
79	70.4	50.1	75.1

Manual Integrations
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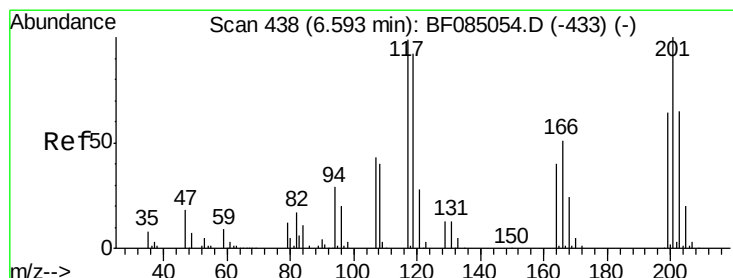
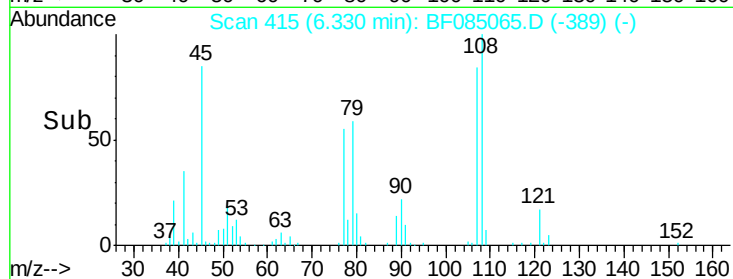
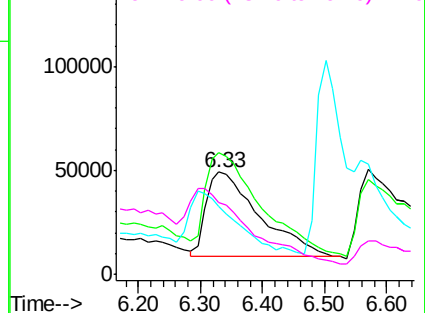
Abundance

Ion 107.00 (106.70 to 107.70): E

Ion 108.00 (107.70 to 108.70): E

Ion 77.00 (76.70 to 77.70): BF0

Ion 79.00 (78.70 to 79.70): BF0



#18

Hexachloroethane

Concen: 40.33 ng

RT: 6.58 min Scan# 437

Delta R.T. -0.01 min

Lab File: BF085065.D

Acq: 13 Feb 2016 3:48

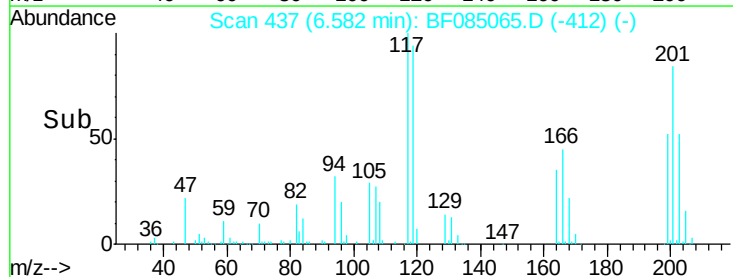
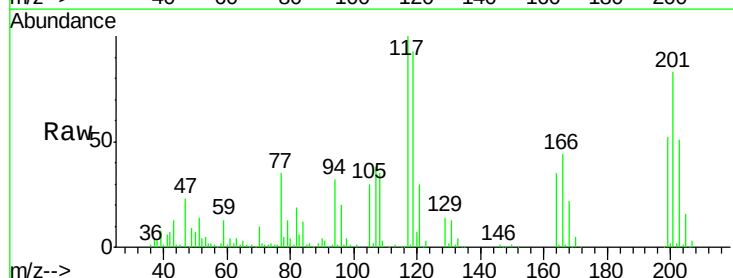
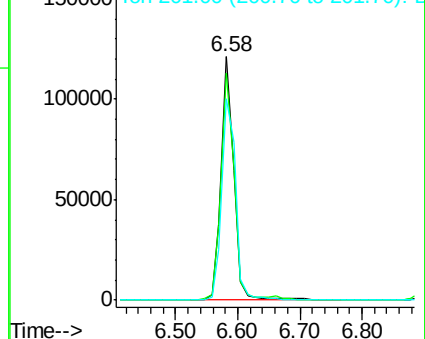
Tgt Ion:	117	Resp:	168735
Ion Ratio	Lower	Upper	
117	100		
119	93.3	74.5	111.7
201	82.9	80.9	121.3

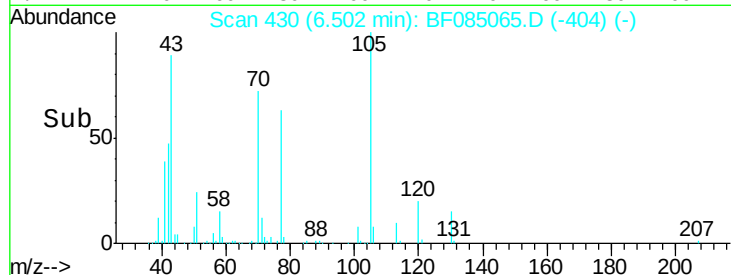
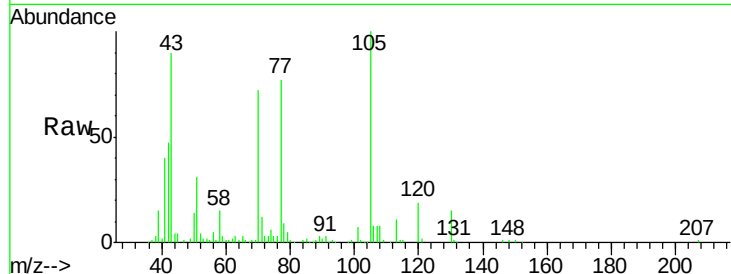
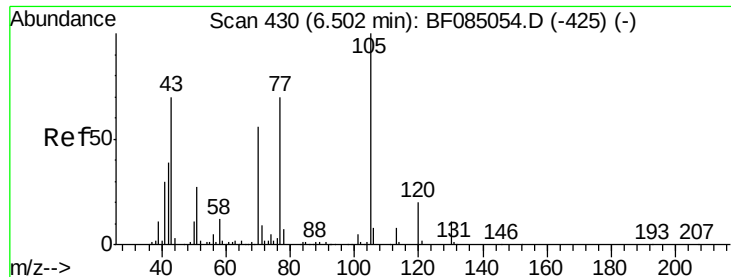
Abundance

Ion 117.00 (116.70 to 117.70): E

Ion 119.00 (118.70 to 119.70): E

Ion 201.00 (200.70 to 201.70): E





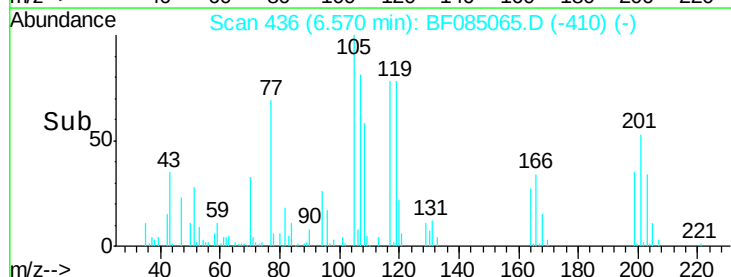
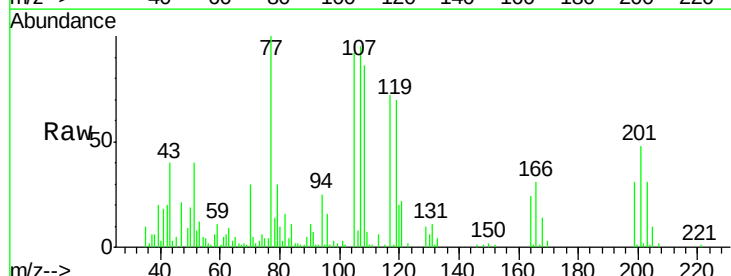
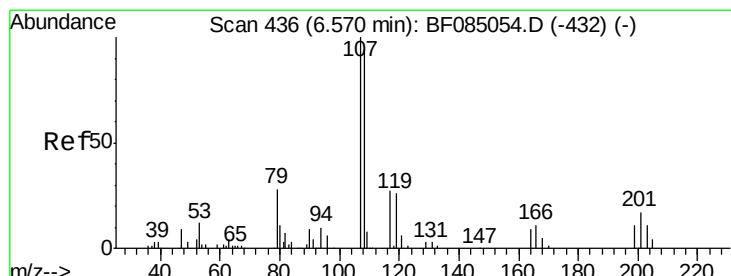
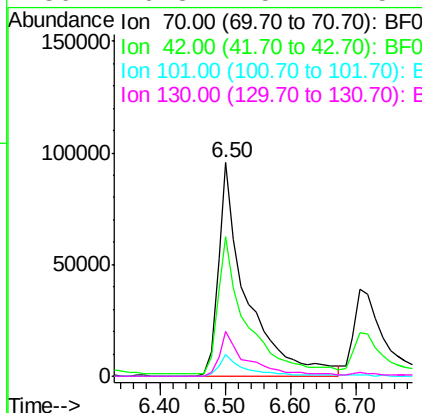
#19
n-Nitroso-di-n-propylamine
Concen: 40.84 ng
RT: 6.50 min Scan# 430
Delta R.T. -0.00 min
Lab File: BF085065.D
Acq: 13 Feb 2016 3:48

Instrument :
BNA_F
ClientSampleId :
S4-B003(10-12)MSD

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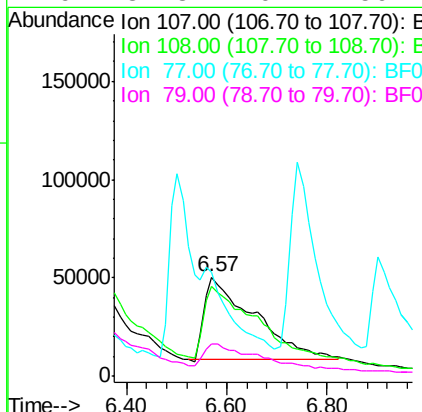
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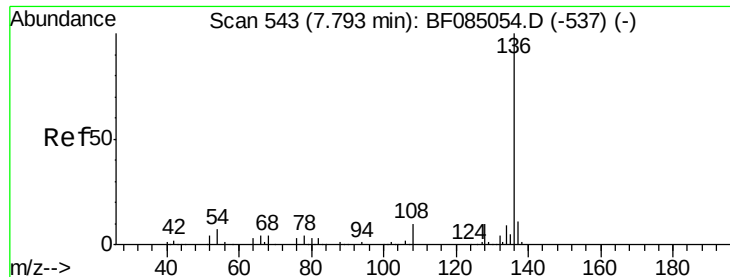
Tot Ion	70	Resp	286222
Ion Ratio	Lower	Upper	
70	100		
42	65.3	55.8	83.6
101	10.4	7.7	11.5
130	20.8	15.4	23.2



#20
3+4-Methylphenols
Concen: 32.48 ng
RT: 6.57 min Scan# 436
Delta R.T. 0.00 min
Lab File: BF085065.D
Acq: 13 Feb 2016 3:48

Tgt Ion	107	Resp	290554
Ion Ratio	Lower	Upper	
107	100		
108	90.0	74.4	114.4
77	105.3	46.9	86.9#
79	31.8	10.4	50.4





#21

Naphthalene-d8

Concen: 20.00 ng

RT: 7.78 min Scan# 542

Delta R.T. -0.01 min

Lab File: BF085065.D

Acq: 13 Feb 2016 3:48

Instrument :

BNA_F

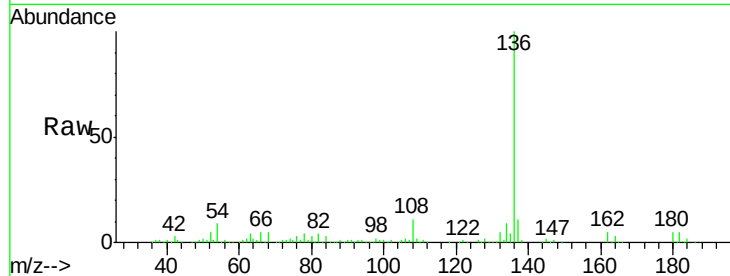
ClientSampleId :

S4-B003(10-12)MSD

Tot Ion	Ratio	Resp	Lower	Upper
136	100	654048		
137	10.5	8.9	13.3	
54	9.3	6.1	9.1	
68	4.9	3.5	5.3	

Manual Integrations
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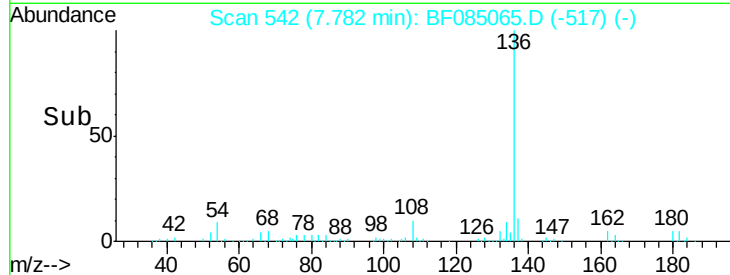
Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

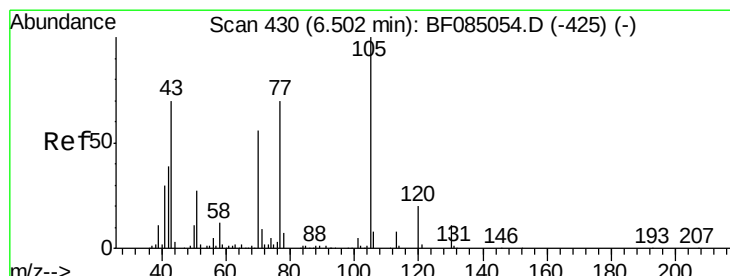
Ion 54.00 (53.70 to 54.70): BF0

Ion 68.00 (67.70 to 68.70): BF0

Time-->



Time-->



#22

Acetophenone

Concen: 36.22 ng

RT: 6.50 min Scan# 430

Delta R.T. -0.00 min

Lab File: BF085065.D

Acq: 13 Feb 2016 3:48

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	607204		
71	12.3	7.5	11.3	
51	31.0	23.1	34.7	
120	19.4	15.9	23.9	

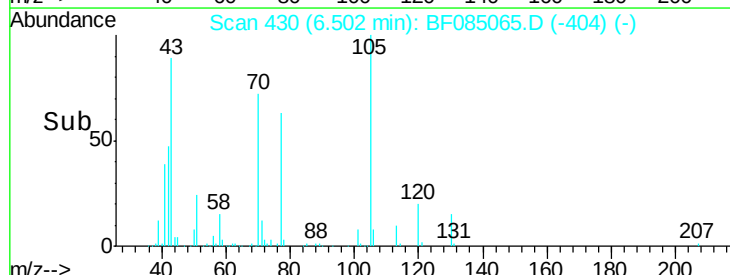
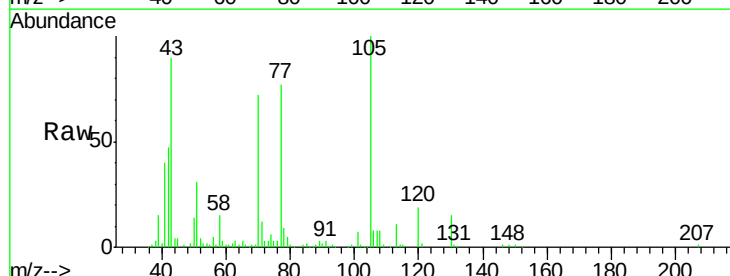
Abundance Ion 105.00 (104.70 to 105.70): E

Ion 71.00 (70.70 to 71.70): BF0

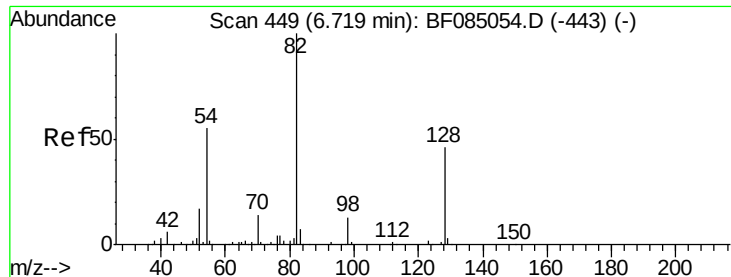
Ion 51.00 (50.70 to 51.70): BF0

Ion 120.00 (119.70 to 120.70): E

Time-->



Time-->



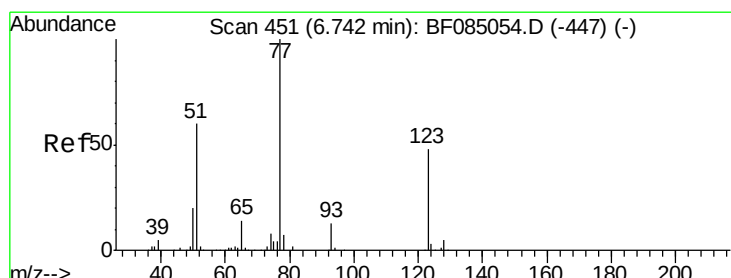
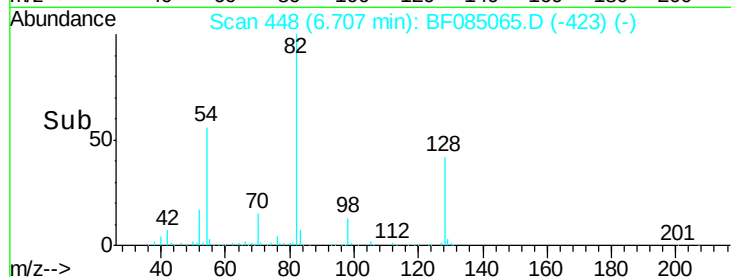
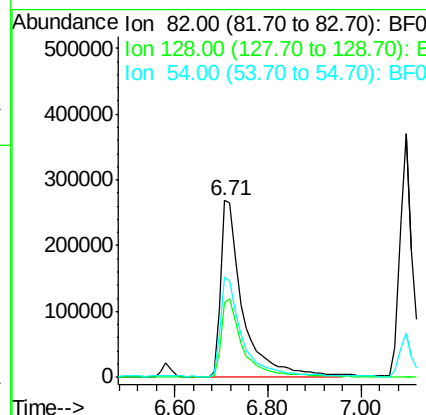
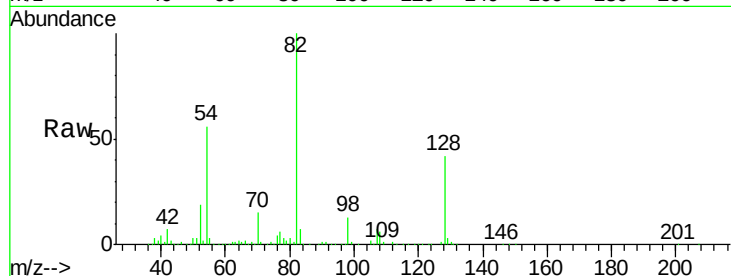
#23
 Nitrobenzene-d5
 Concen: 80.00 ng
 RT: 6.71 min Scan# 448
 Delta R.T. -0.01 min
 Lab File: BF085065.D
 Acq: 13 Feb 2016 3:48

Instrument :
 BNA_F
 ClientSampleId :
 S4-B003(10-12)MSD

Tot Ion	Ratio	Resp	Lower	Upper
82	100			
128	42.4	36.8	55.2	
54	56.5	44.4	66.6	

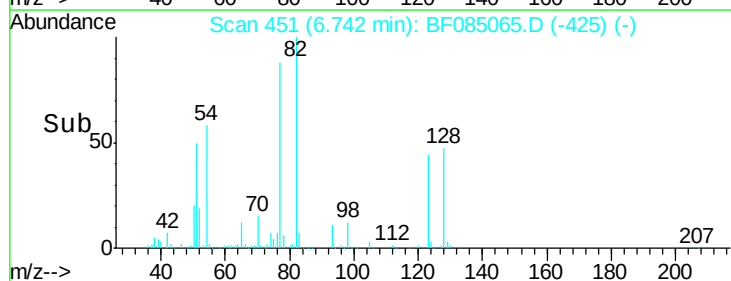
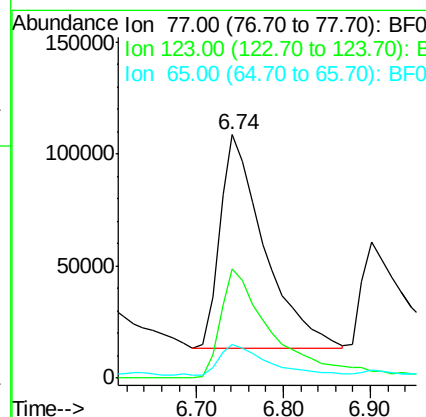
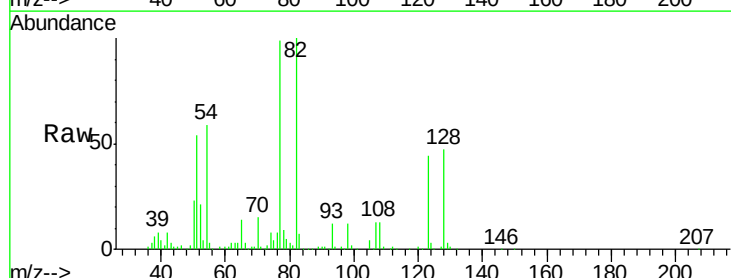
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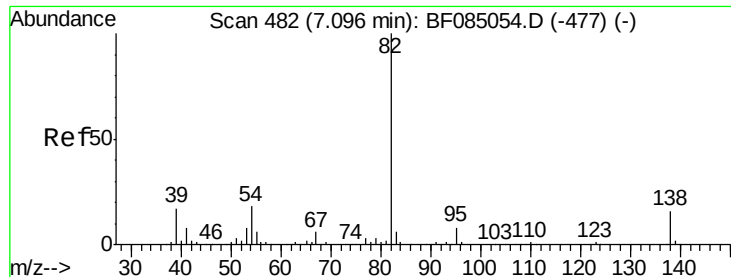
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#24
 Nitrobenzene
 Concen: 27.74 ng
 RT: 6.74 min Scan# 451
 Delta R.T. -0.00 min
 Lab File: BF085065.D
 Acq: 13 Feb 2016 3:48

Tgt Ion	Ratio	Resp	Lower	Upper
77	100			
123	44.9	36.5	54.7	
65	13.8	10.9	16.3	





#25

Isophorone

Concen: 39.56 ng

RT: 7.10 min Scan# 482

Delta R.T. -0.00 min

Lab File: BF085065.D

Acq: 13 Feb 2016 3:48

Instrument :

BNA_F

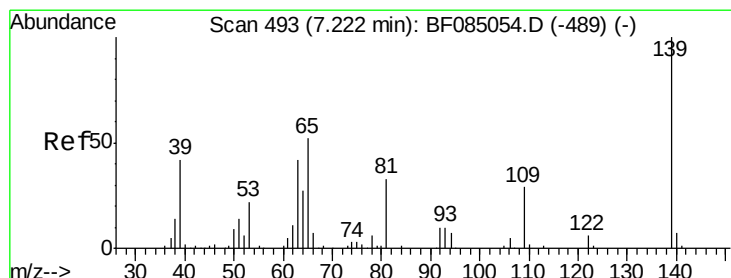
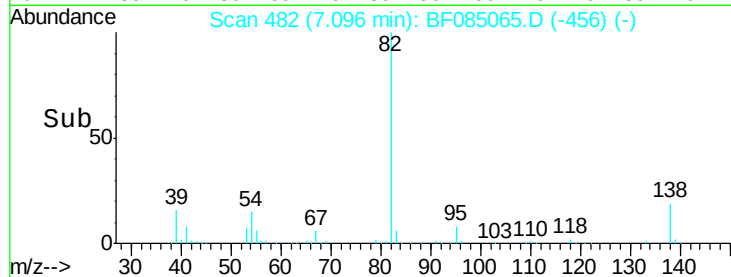
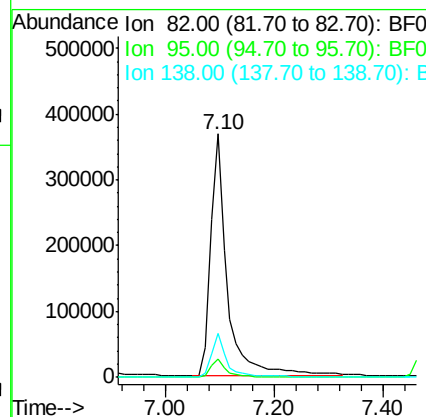
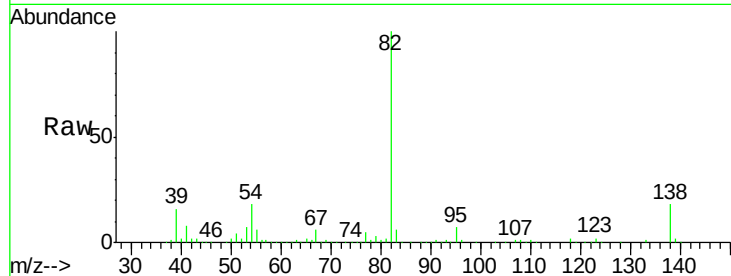
ClientSampleId :

S4-B003(10-12)MSD

Tot Ion:	82	Resp:	785978
Ion Ratio	Lower	Upper	
82	100		
95	7.5	6.1	9.1
138	17.9	13.1	19.7

Manual Integrations
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2/15/2016 4:44:46 PM



#26

2-Nitrophenol

Concen: 38.45 ng

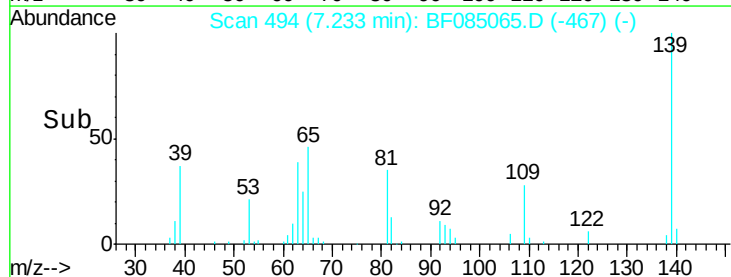
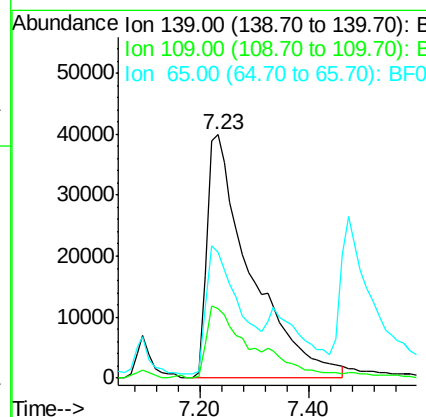
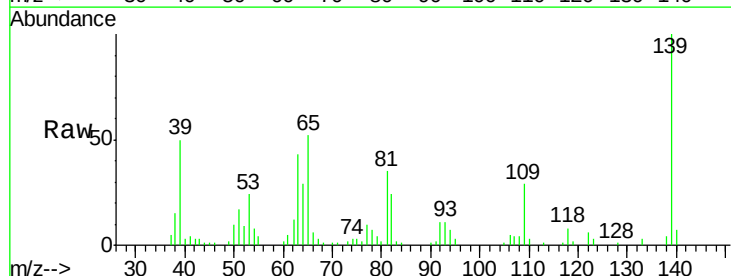
RT: 7.23 min Scan# 494

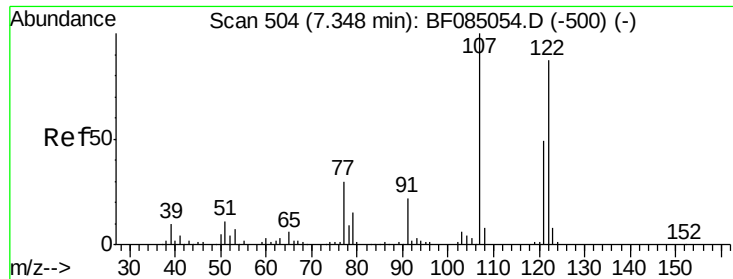
Delta R.T. 0.01 min

Lab File: BF085065.D

Acq: 13 Feb 2016 3:48

Tgt Ion:	139	Resp:	223030
Ion Ratio	Lower	Upper	
139	100		
109	28.8	23.4	35.2
65	51.6	42.3	63.5





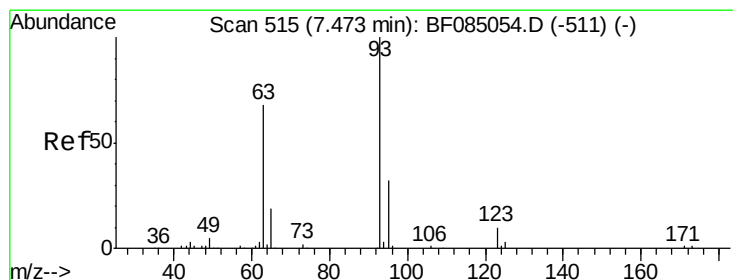
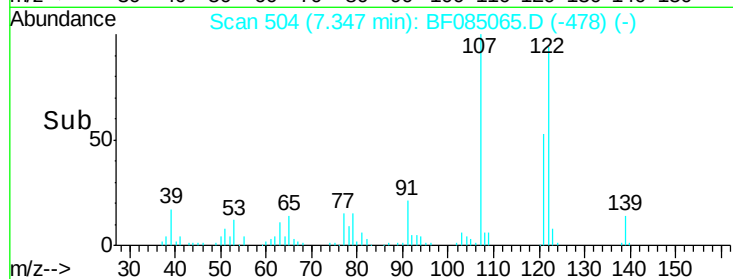
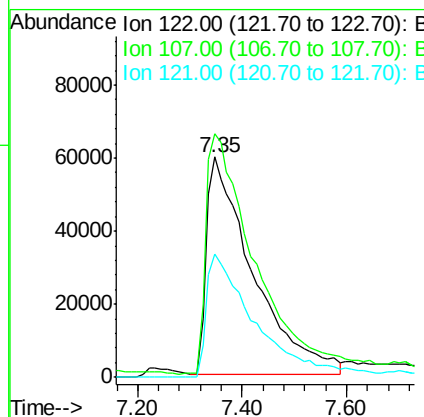
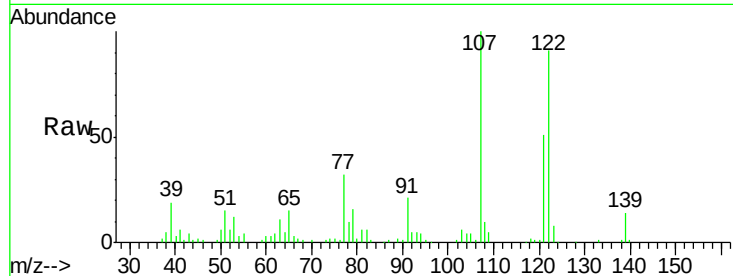
#27
 2,4-Dimethylphenol
 Concen: 39.03 ng
 RT: 7.35 min Scan# 504
 Delta R.T. -0.00 min
 Lab File: BF085065.D
 Acq: 13 Feb 2016 3:48

Instrument :
 BNA_F
 ClientSampleId :
 S4-B003(10-12)MSD

Tot Ion	Ratio	Resp	Lower	Upper
122	100	366341		
107	110.5	91.8	137.8	
121	56.1	45.0	67.4	

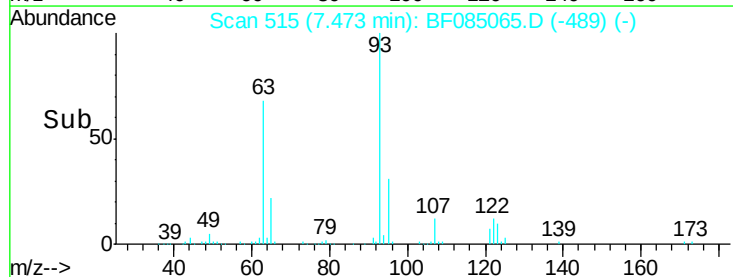
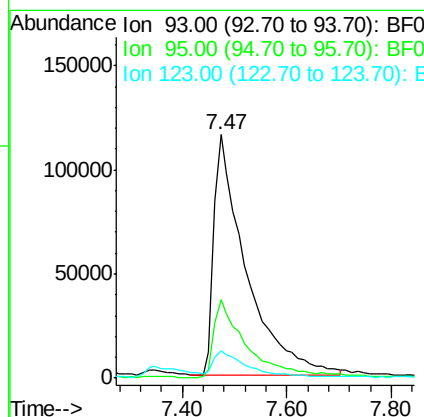
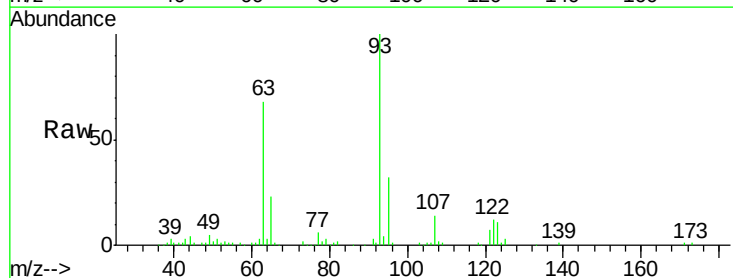
Manual Integrations
 APPROVED

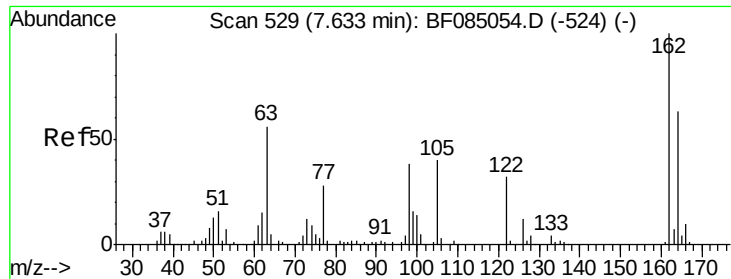
Sohil
 2/15/2016 4:44:46 PM



#28
 bis(2-Chloroethoxy)methane
 Concen: 40.25 ng
 RT: 7.47 min Scan# 515
 Delta R.T. -0.00 min
 Lab File: BF085065.D
 Acq: 13 Feb 2016 3:48

Tgt Ion	Ratio	Resp	Lower	Upper
93	100	496439		
95	32.4	25.6	38.4	
123	11.1	8.7	13.1	





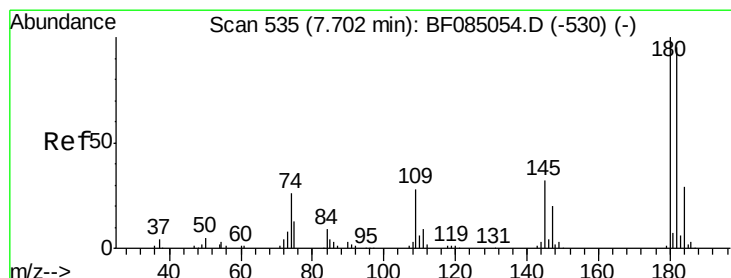
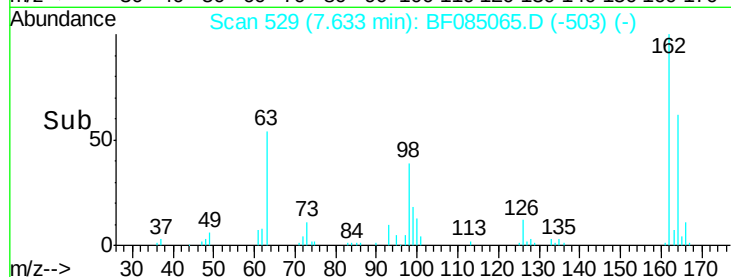
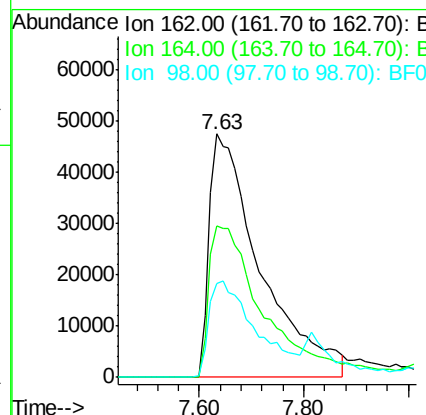
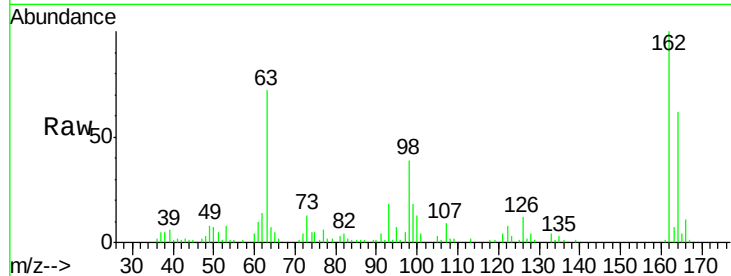
#29
 2,4-Dichlorophenol
 Concen: 37.83 ng
 RT: 7.63 min Scan# 529
 Delta R.T. -0.00 min
 Lab File: BF085065.D
 Acq: 13 Feb 2016 3:48

Instrument :
 BNA_F
 ClientSampleId :
 S4-B003(10-12)MSD

Tot Ion	Ratio	Resp Lower	Upper
162	100		
164	62.2	42.8	82.8
98	38.7	17.6	57.6

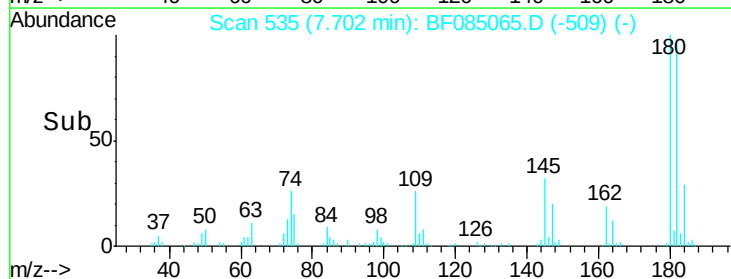
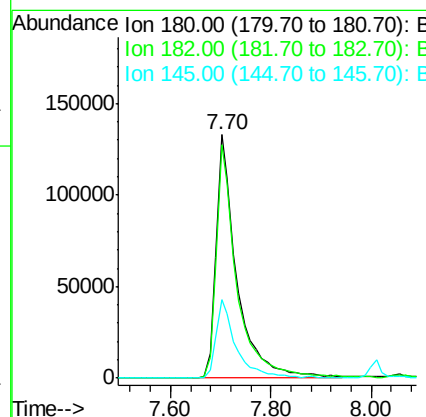
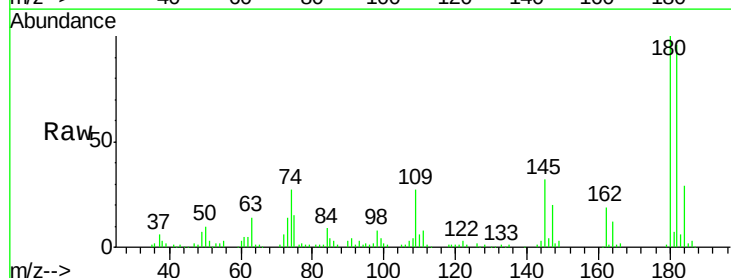
Manual Integrations
 APPROVED

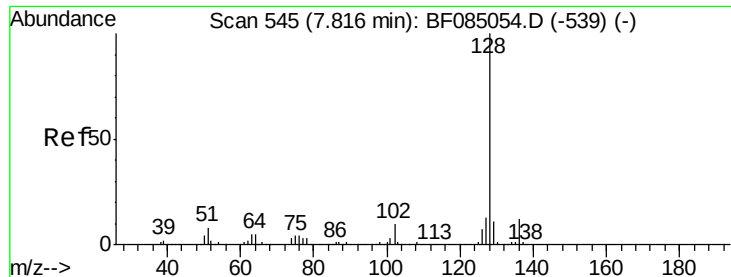
Sohil
 2/15/2016 4:44:46 PM



#30
 1,2,4-Trichlorobenzene
 Concen: 38.75 ng
 RT: 7.70 min Scan# 535
 Delta R.T. -0.00 min
 Lab File: BF085065.D
 Acq: 13 Feb 2016 3:48

Tgt Ion	Ratio	Resp Lower	Upper
180	100		
182	95.6	75.8	113.8
145	32.1	25.9	38.9





#31

Naphthalene

Concen: 40.10 ng

RT: 7.82 min Scan# 545

Delta R.T. -0.00 min

Lab File: BF085065.D

Acq: 13 Feb 2016 3:48

Instrument :

BNA_F

ClientSampleId :

S4-B003(10-12)MSD

Tot Ion:128 Resp: 1271719

Ion Ratio Lower Upper

128 100

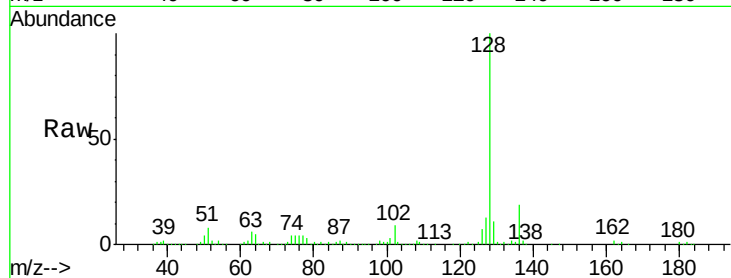
129 11.1 9.2 13.8

127 12.7 10.3 15.5

Manual Integrations
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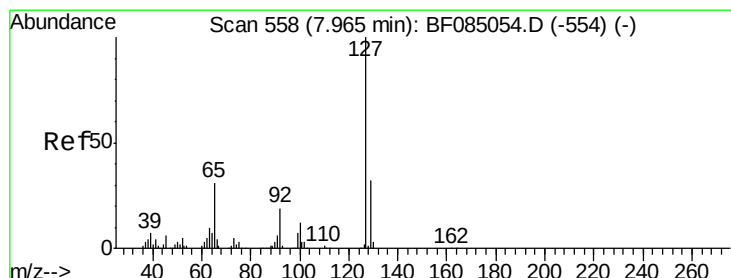
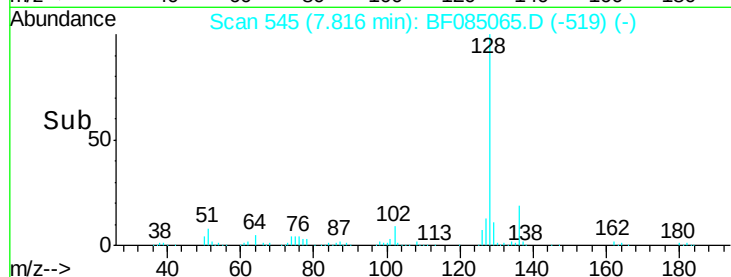
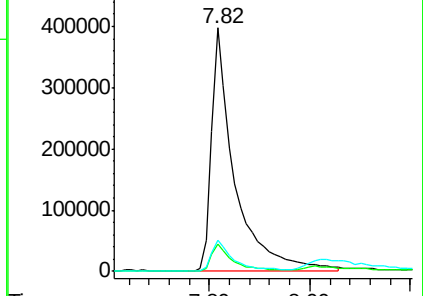
2/15/2016 4:44:46 PM



Abundance Ion 128.00 (127.70 to 128.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E



#33

4-Chloroaniline

Concen: 10.62 ng

RT: 8.03 min Scan# 564

Delta R.T. 0.07 min

Lab File: BF085065.D

Acq: 13 Feb 2016 3:48

Tgt Ion:127 Resp: 127779

Ion Ratio Lower Upper

127 100

129 37.3 26.6 39.8

65 32.2 24.7 37.1

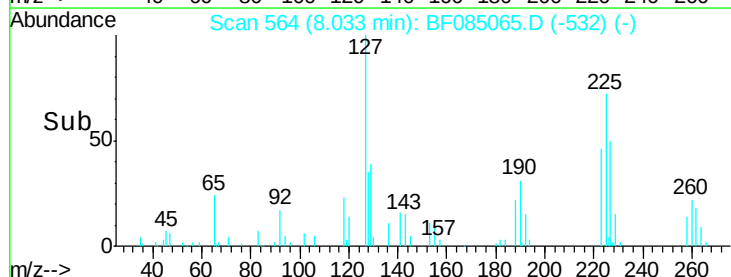
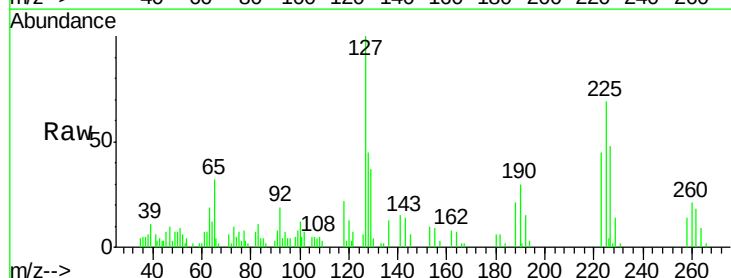
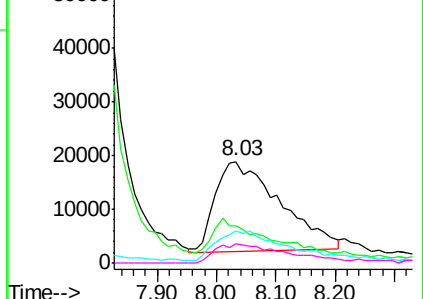
92 18.7 15.1 22.7

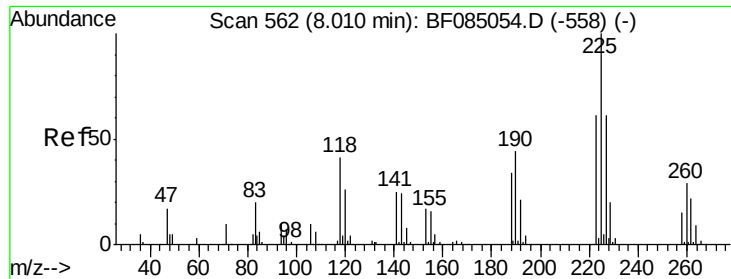
Abundance Ion 127.00 (126.70 to 127.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 65.00 (64.70 to 65.70): BF0

Ion 92.00 (91.70 to 92.70): BF0





#34

Hexachlorobutadiene

Concen: 37.88 ng

RT: 8.01 min Scan# 562

Delta R.T. -0.00 min

Lab File: BF085065.D

Acq: 13 Feb 2016 3:48

Instrument :

BNA_F

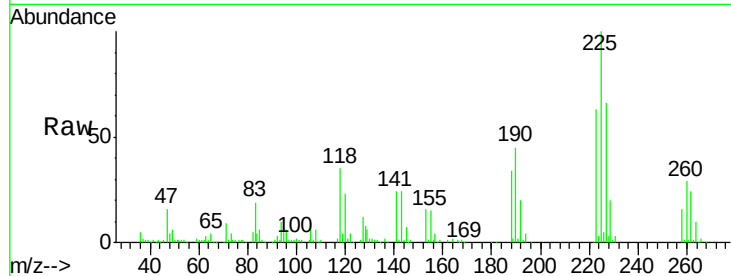
ClientSampleId :

S4-B003(10-12)MSD

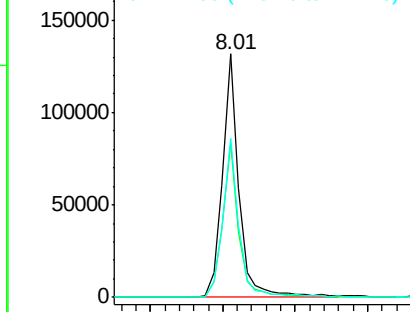
Tot Ion:	225	Resp:	208607
Ion Ratio		Lower	Upper
225	100		
223	63.1	48.6	73.0
227	65.6	48.9	73.3

Manual Integrations
APPROVED

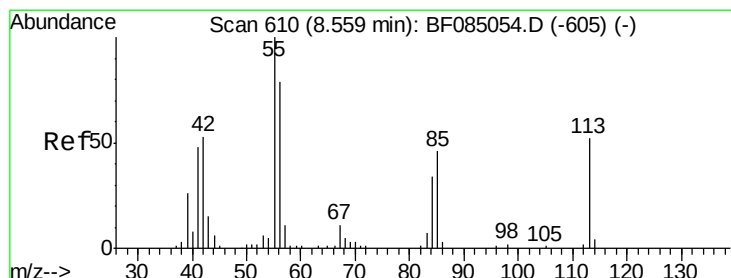
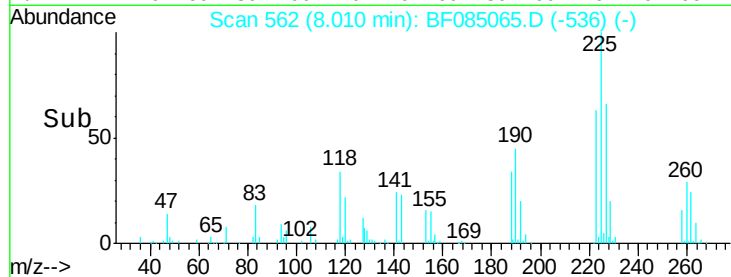
Sohil
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Abundance Ion 225.00 (224.70 to 225.70): E
Ion 223.00 (222.70 to 223.70): E
Ion 227.00 (226.70 to 227.70): E



Time-->



#35

Caprolactam

Concen: 35.29 ng m

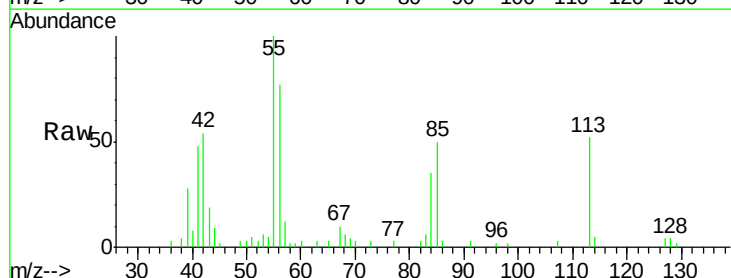
RT: 8.57 min Scan# 611

Delta R.T. 0.01 min

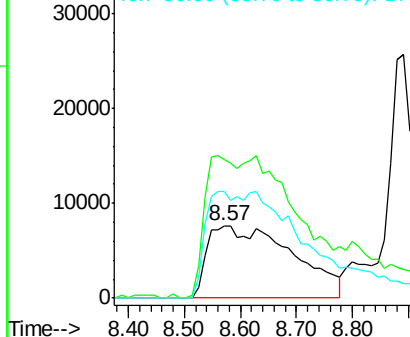
Lab File: BF085065.D

Acq: 13 Feb 2016 3:48

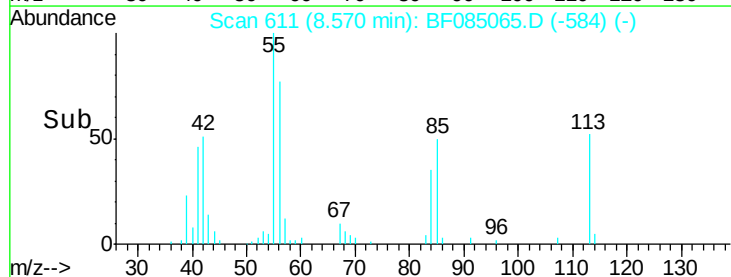
Tgt Ion:	113	Resp:	80932
Ion Ratio		Lower	Upper
113	100		
55	190.6	173.1	213.1
56	147.0	132.9	172.9

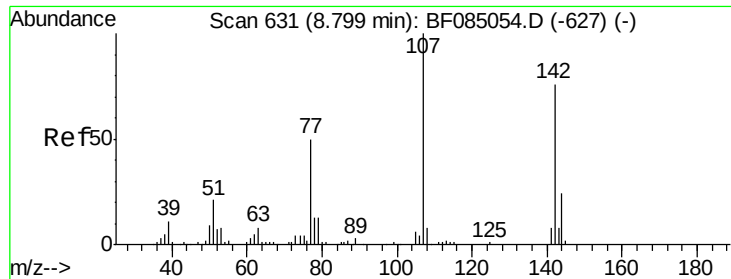


Abundance Ion 113.00 (112.70 to 113.70): E
Ion 55.00 (54.70 to 55.70): BF0
Ion 56.00 (55.70 to 56.70): BF0



Time-->





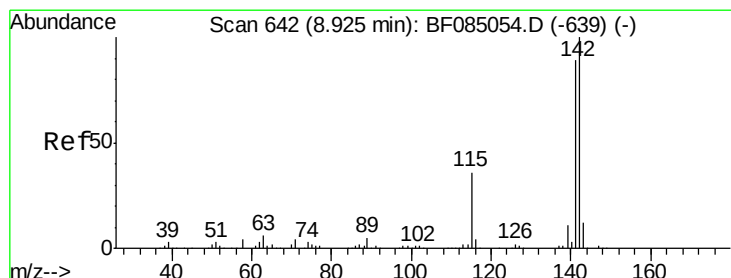
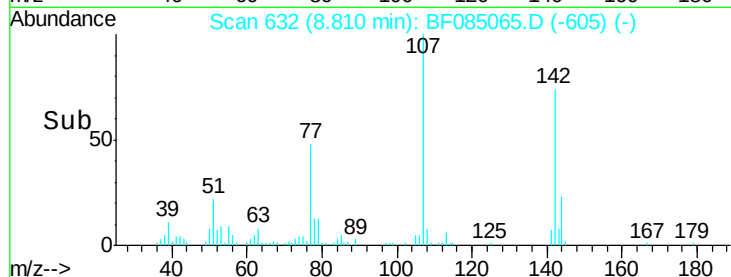
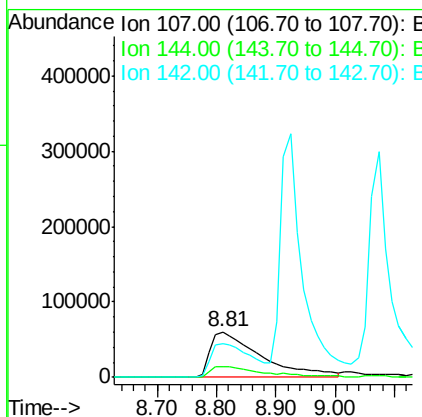
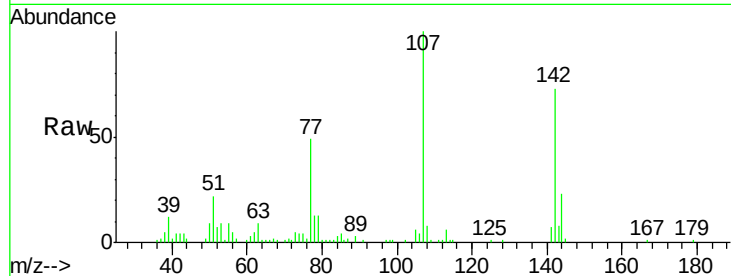
#36
 4-Chloro-3-methylphenol
 Concen: 37.12 ng
 RT: 8.81 min Scan# 632
 Delta R.T. 0.01 min
 Lab File: BF085065.D
 Acq: 13 Feb 2016 3:48

Instrument :
 BNA_F
 ClientSampleId :
 S4-B003(10-12)MSD

Tot Ion	Ratio	Resp	Lower	Upper
107	100	359001		
144	23.0	19.2	28.8	
142	73.3	60.6	91.0	

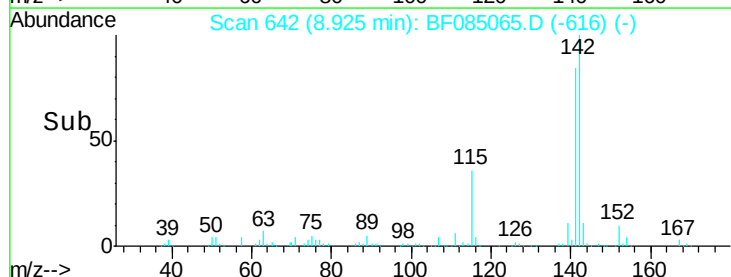
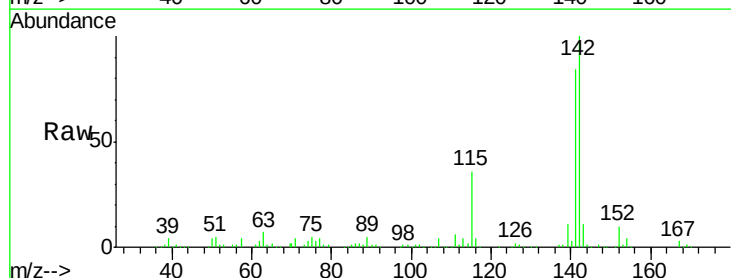
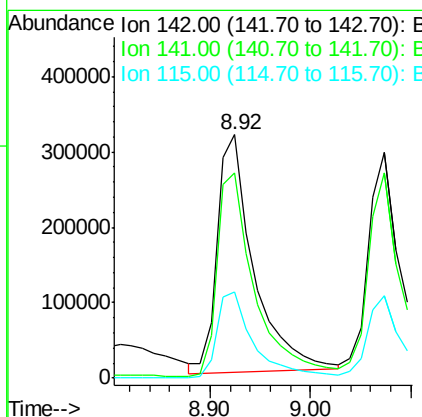
Manual Integrations
 APPROVED

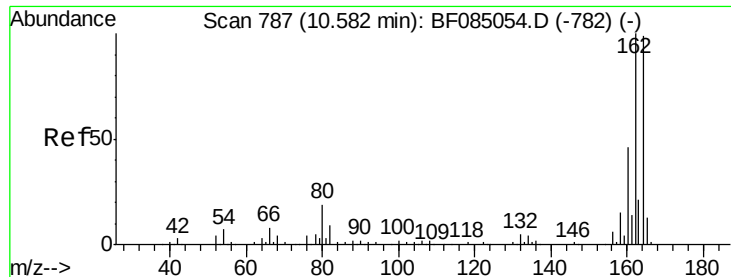
Sohil
 2/15/2016 4:44:46 PM



#37
 2-Methylnaphthalene
 Concen: 39.16 ng
 RT: 8.92 min Scan# 642
 Delta R.T. -0.00 min
 Lab File: BF085065.D
 Acq: 13 Feb 2016 3:48

Tgt Ion	Ratio	Resp	Lower	Upper
142	100	792175		
141	84.1	69.6	104.4	
115	35.5	27.9	41.9	





#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 10.58 min Scan# 787

Delta R.T. -0.00 min

Lab File: BF085065.D

Acq: 13 Feb 2016 3:48

Instrument :

BNA_F

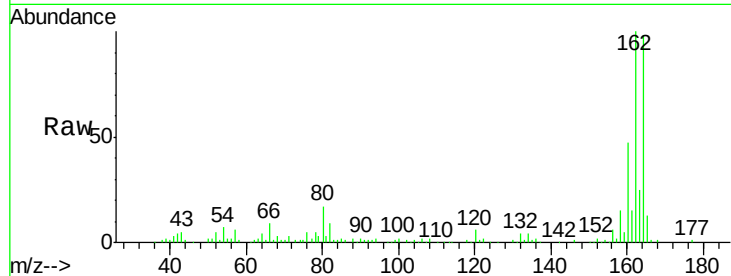
ClientSampleId :

S4-B003(10-12)MSD

Tot Ion:	164	Resp:	297744
Ion Ratio	Lower	Upper	
164	100		
162	102.0	81.1	121.7
160	48.1	37.4	56.0

Manual Integrations
APPROVED

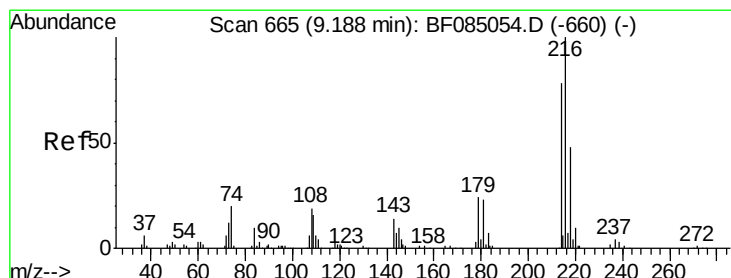
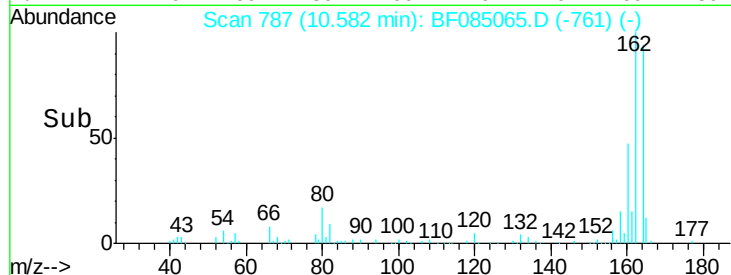
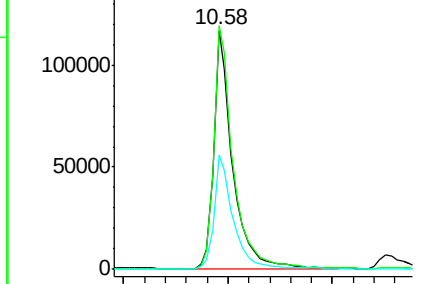
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Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E



#39

1,2,4,5-Tetrachlorobenzene

Concen: 37.95 ng

RT: 9.19 min Scan# 665

Delta R.T. -0.00 min

Lab File: BF085065.D

Acq: 13 Feb 2016 3:48

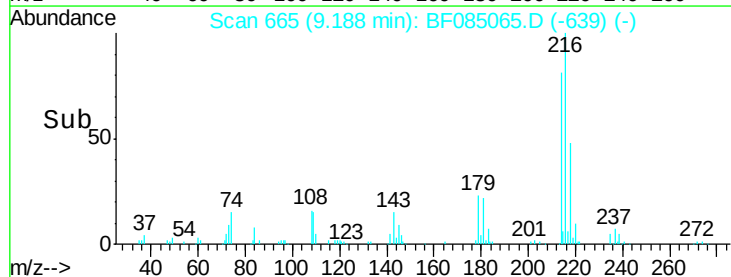
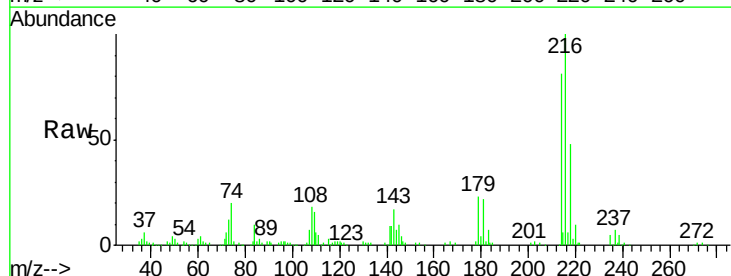
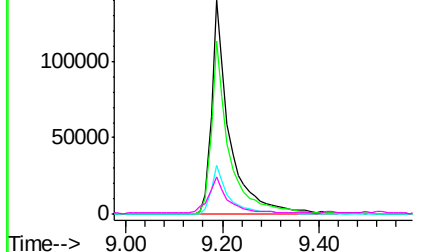
Tgt Ion:	216	Resp:	365128
Ion Ratio	Lower	Upper	
216	100		
214	79.5	62.2	93.2
179	22.6	18.1	27.1
108	18.4	15.7	23.5

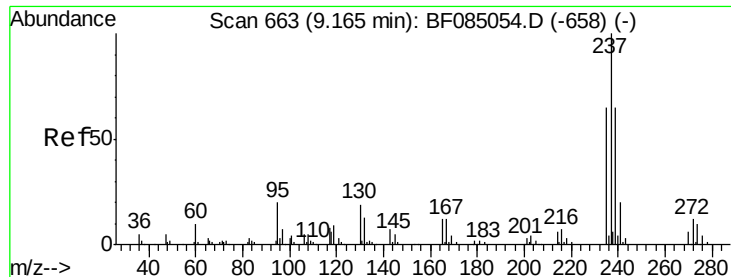
Abundance Ion 216.00 (215.70 to 216.70): E

Ion 214.00 (213.70 to 214.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 108.00 (107.70 to 108.70): E





#40

Hexachlorocyclopentadiene

Concen: 64.35 ng

RT: 9.16 min Scan# 663

Delta R.T. 0.00 min

Lab File: BF085065.D

Acq: 13 Feb 2016 3:48

Instrument :

BNA_F

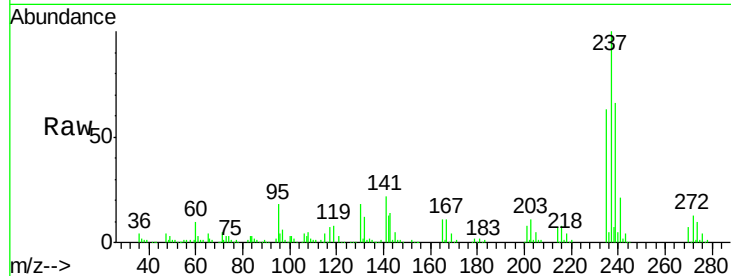
ClientSampleId :

S4-B003(10-12)MSD

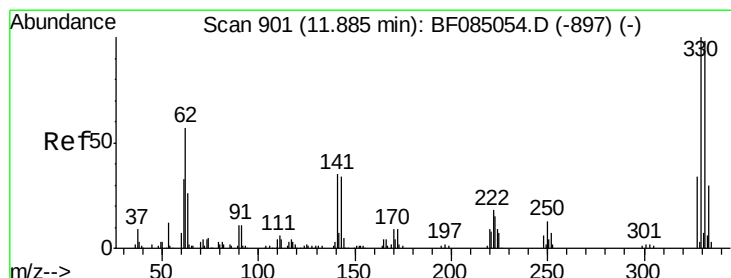
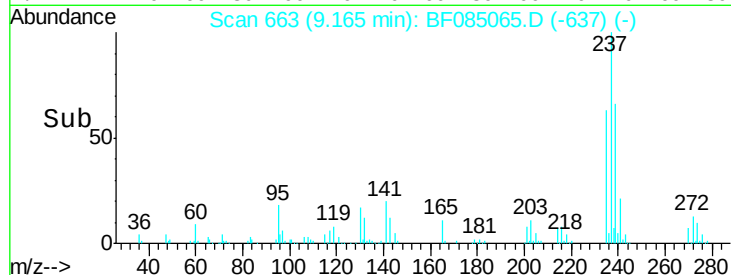
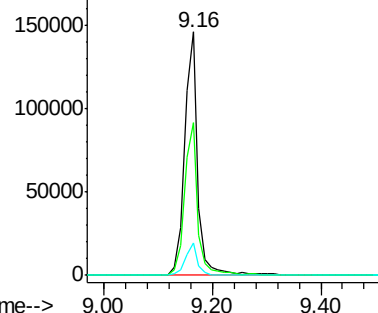
Tot Ion:	237	Resp:	249152
Ion Ratio		Lower	Upper
237	100		
235	62.5	44.8	84.8
272	13.4	0.0	31.8

Manual Integrations
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Abundance Ion 236.80 (236.50 to 237.50): E
Ion 234.90 (234.60 to 235.60): E
Ion 271.75 (271.45 to 272.45): E



#41

2,4,6-Tribromophenol

Concen: 113.00 ng

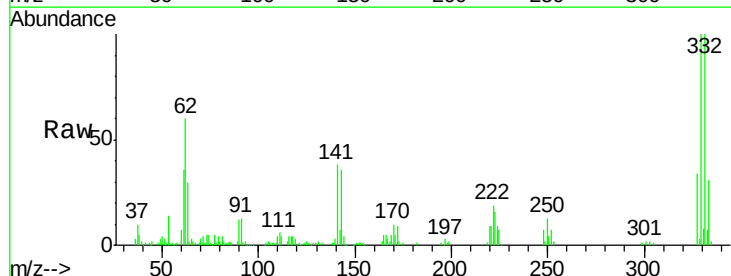
RT: 11.88 min Scan# 901

Delta R.T. -0.00 min

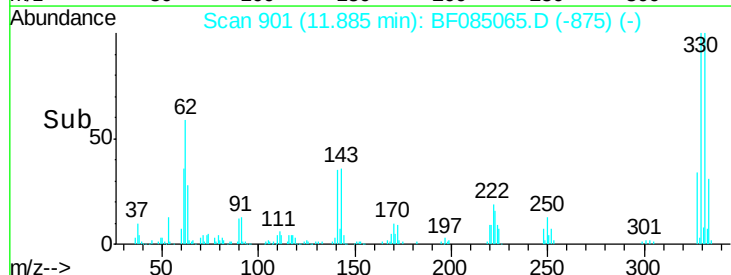
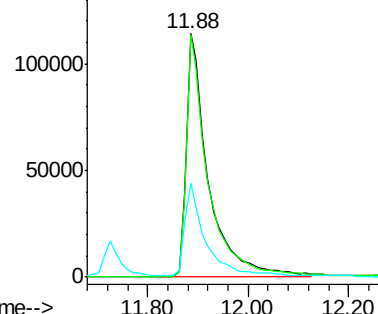
Lab File: BF085065.D

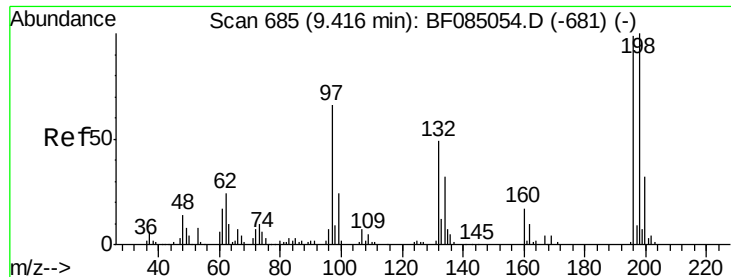
Acq: 13 Feb 2016 3:48

Tgt Ion:	330	Resp:	347520
Ion Ratio		Lower	Upper
330	100		
332	97.6	78.5	117.7
141	33.9	28.6	42.8



Abundance Ion 329.80 (329.50 to 330.50): E
Ion 331.80 (331.50 to 332.50): E
Ion 141.00 (140.70 to 141.70): E





#42

2,4,6-Trichlorophenol

Concen: 35.37 ng

RT: 9.43 min Scan# 686

Delta R.T. 0.01 min

Lab File: BF085065.D

Acq: 13 Feb 2016 3:48

Instrument :

BNA_F

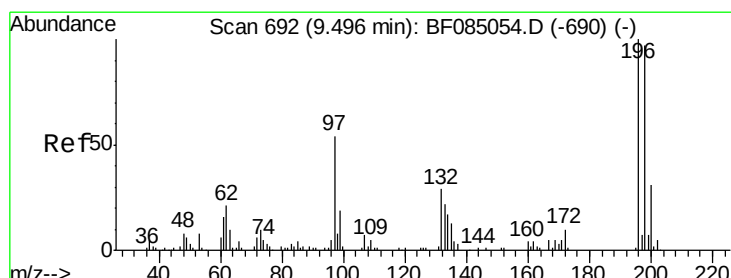
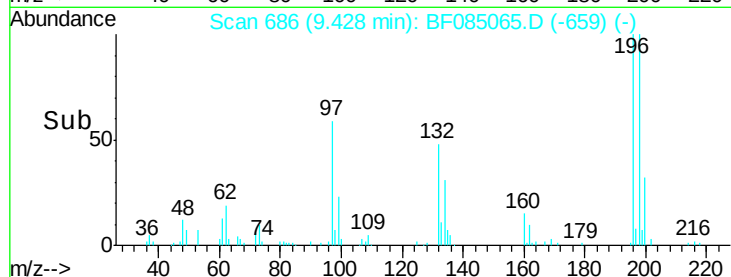
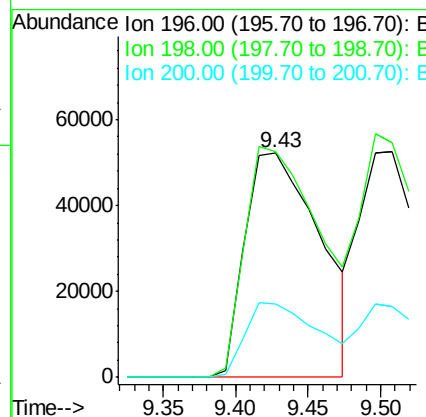
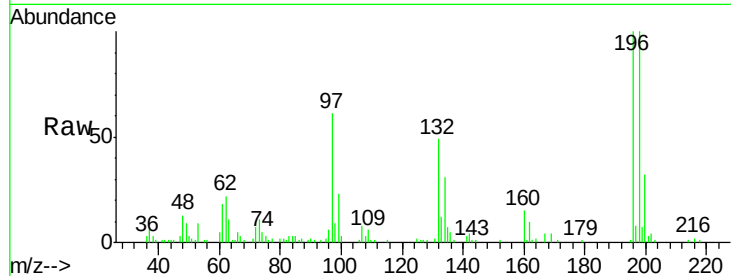
ClientSampleId :

S4-B003(10-12)MSD

Tot Ion:	196	Resp:	187631
Ion Ratio	Lower	Upper	
196	100		
198	100.2	81.0	121.6
200	32.3	26.3	39.5

Manual Integrations
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#43

2,4,5-Trichlorophenol

Concen: 40.43 ng

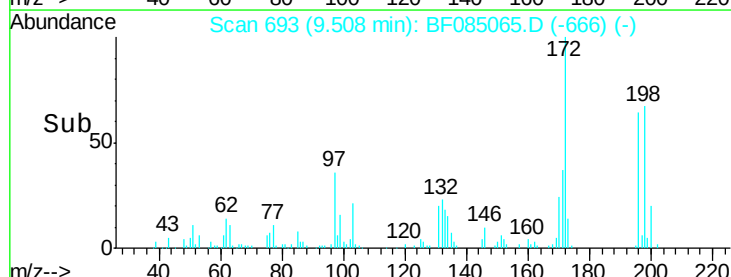
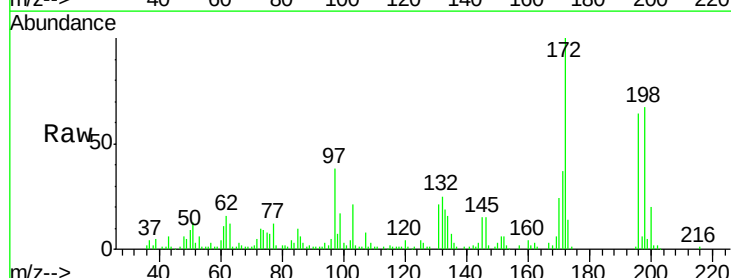
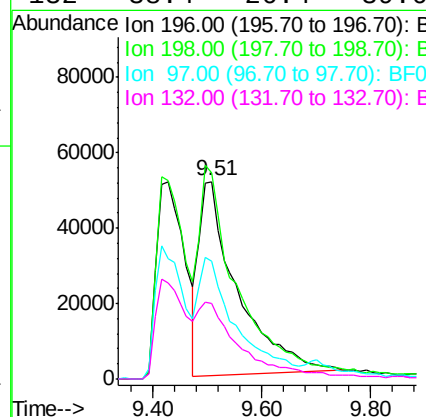
RT: 9.51 min Scan# 693

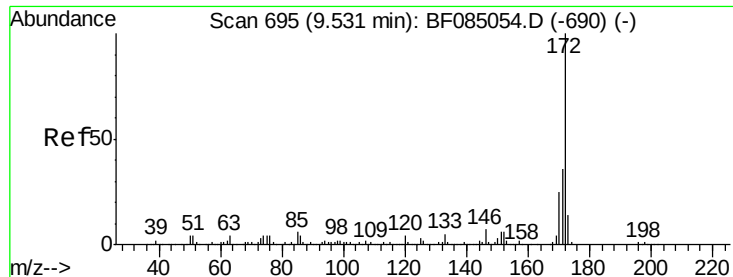
Delta R.T. 0.01 min

Lab File: BF085065.D

Acq: 13 Feb 2016 3:48

Tgt Ion:	196	Resp:	249540
Ion Ratio	Lower	Upper	
196	100		
198	104.3	79.7	119.5
97	59.4	47.0	70.4
132	38.4	26.4	39.6





#44

2-Fluorobiphenyl

Concen: 60.58 ng

RT: 9.53 min Scan# 695

Delta R.T. -0.00 min

Lab File: BF085065.D

Acq: 13 Feb 2016 3:48

Instrument :

BNA_F

ClientSampleId :

S4-B003(10-12)MSD

Tot Ion:172 Resp: 1261843

Ion Ratio Lower Upper

172 100

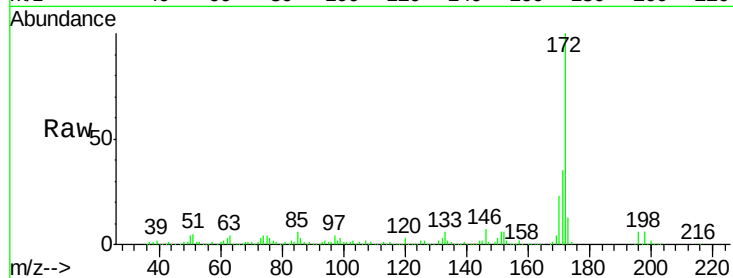
171 34.9 29.1 43.7

170 23.5 19.6 29.4

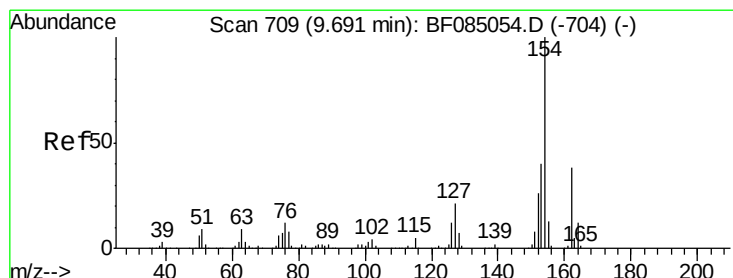
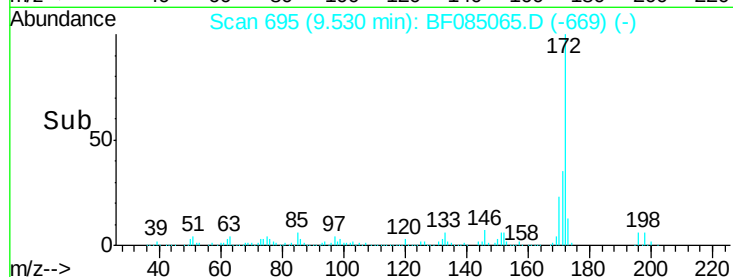
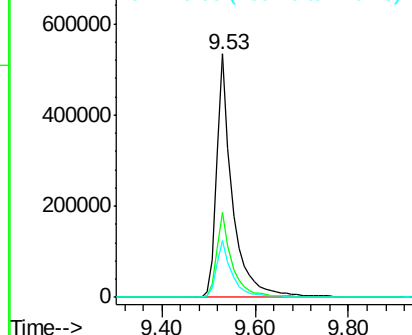
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Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E



#45

1,1'-Biphenyl

Concen: 38.25 ng

RT: 9.69 min Scan# 709

Delta R.T. -0.00 min

Lab File: BF085065.D

Acq: 13 Feb 2016 3:48

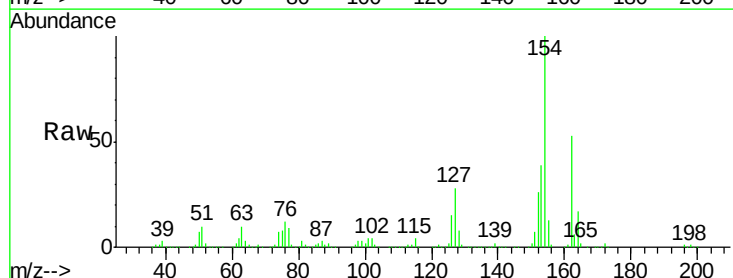
Tgt Ion:154 Resp: 1036019

Ion Ratio Lower Upper

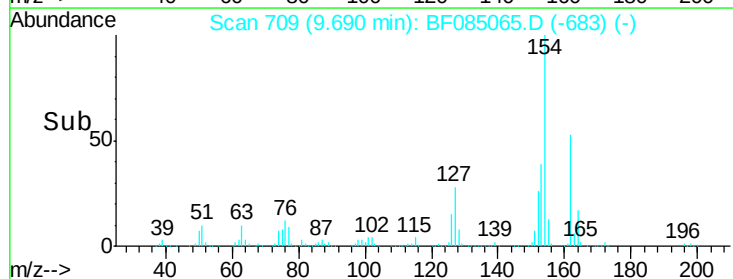
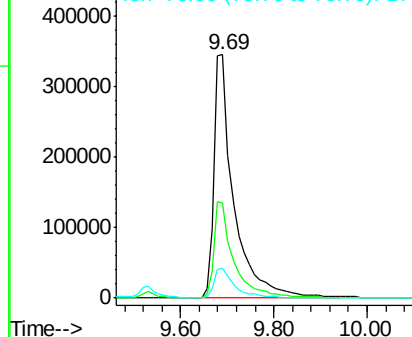
154 100

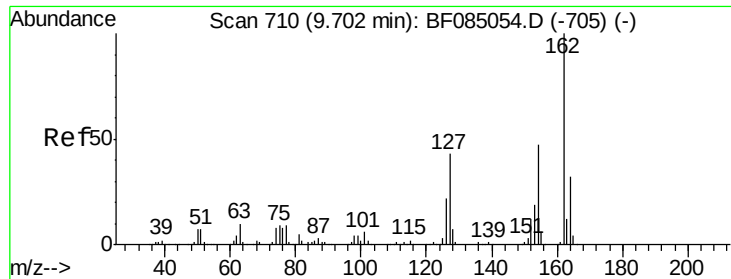
153 39.1 19.9 59.9

76 12.4 0.0 31.6



Abundance Ion 154.00 (153.70 to 154.70): E
Ion 153.00 (152.70 to 153.70): E
Ion 76.00 (75.70 to 76.70): BF0





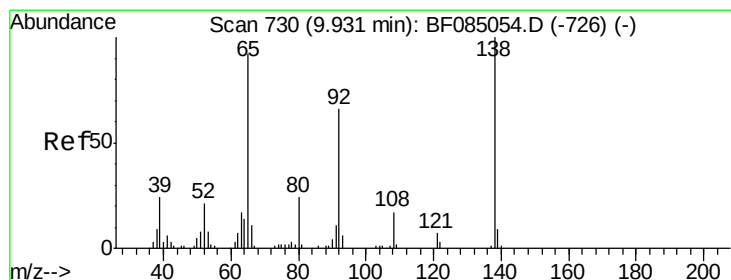
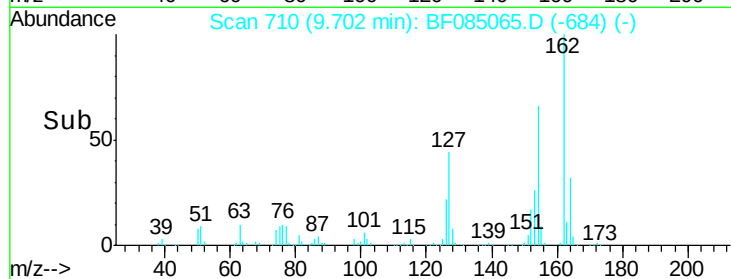
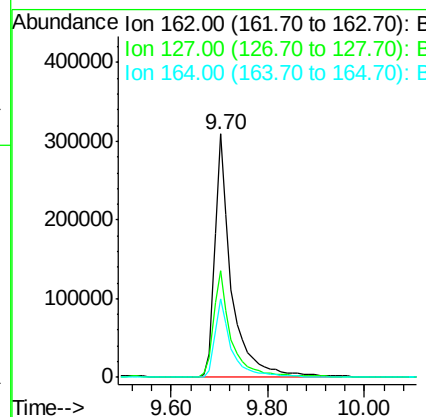
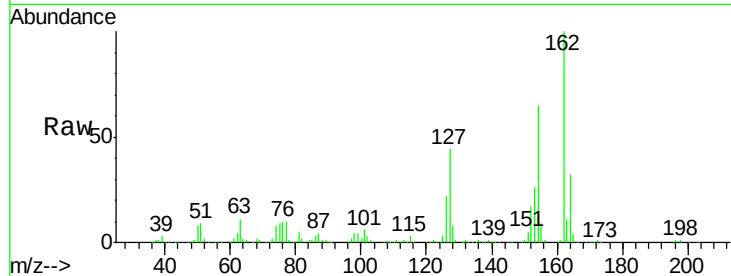
#46
2-Chloronaphthalene
Concen: 39.71 ng
RT: 9.70 min Scan# 710
Delta R.T. -0.00 min
Lab File: BF085065.D
Acq: 13 Feb 2016 3:48

Instrument :
BNA_F
ClientSampleId :
S4-B003(10-12)MSD

Tot Ion	Ratio	Resp Lower	Upper
162	100		
127	43.7	34.8	52.2
164	32.3	25.8	38.6

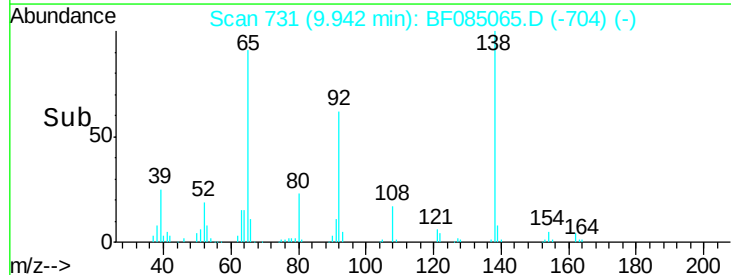
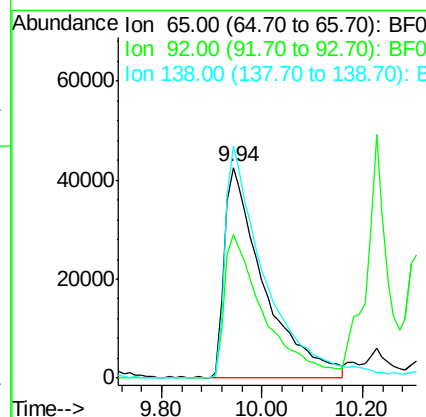
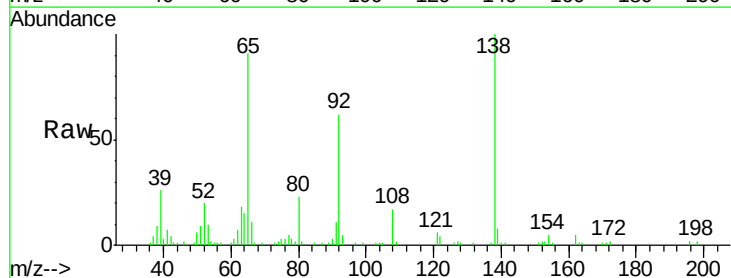
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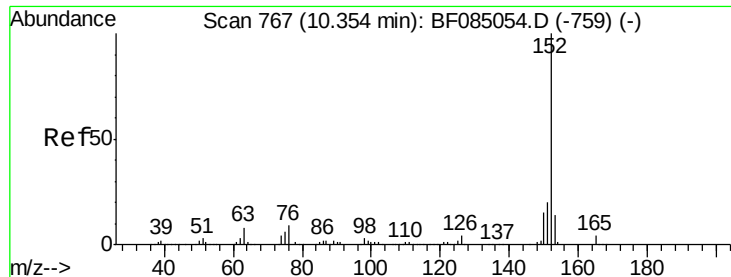
Sohil
2/15/2016 4:44:46 PM



#47
2-Nitroaniline
Concen: 39.32 ng
RT: 9.94 min Scan# 731
Delta R.T. 0.01 min
Lab File: BF085065.D
Acq: 13 Feb 2016 3:48

Tgt Ion	Ratio	Resp Lower	Upper
65	100		
92	68.1	57.1	85.7
138	110.3	86.8	130.2





#48

Acenaphthylene

Concen: 38.05 ng

RT: 10.35 min Scan# 767

Delta R.T. -0.00 min

Lab File: BF085065.D

Acq: 13 Feb 2016 3:48

Instrument :

BNA_F

ClientSampleId :

S4-B003(10-12)MSD

Tot Ion:152 Resp: 1159353

Ion Ratio Lower Upper

152 100

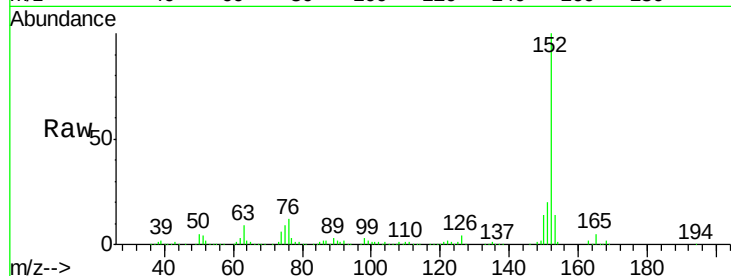
151 19.6 16.0 24.0

153 14.4 11.1 16.7

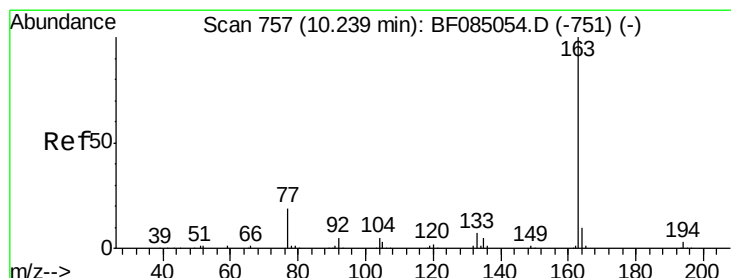
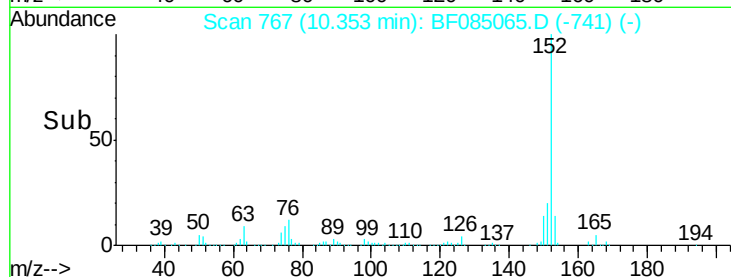
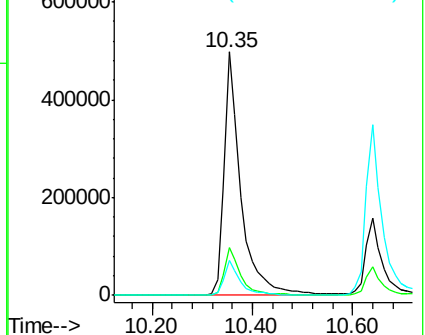
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Abundance Ion 152.00 (151.70 to 152.70): E
Ion 151.00 (150.70 to 151.70): E
Ion 153.00 (152.70 to 153.70): E



#49

Dimethylphthalate

Concen: 49.82 ng

RT: 10.23 min Scan# 756

Delta R.T. -0.01 min

Lab File: BF085065.D

Acq: 13 Feb 2016 3:48

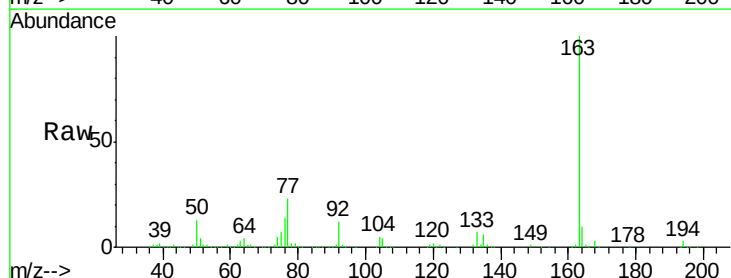
Tgt Ion:163 Resp: 1112098

Ion Ratio Lower Upper

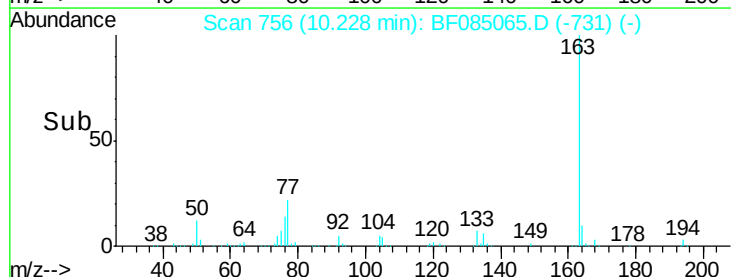
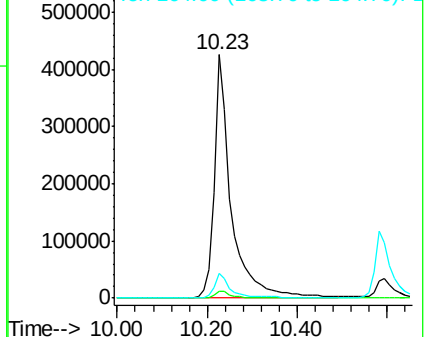
163 100

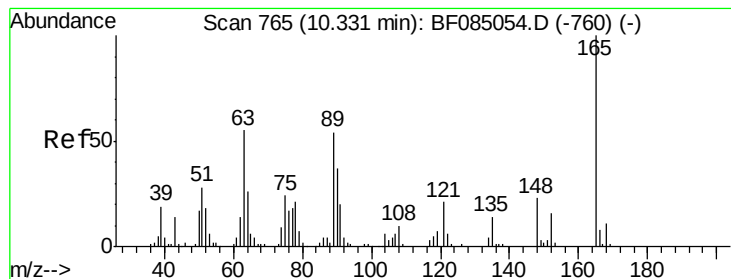
194 3.0 2.5 3.7

164 10.0 7.8 11.8



Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E





#50

2,6-Dinitrotoluene

Concen: 38.37 ng

RT: 10.33 min Scan# 765

Delta R.T. -0.00 min

Lab File: BF085065.D

Acq: 13 Feb 2016 3:48

Instrument :

BNA_F

ClientSampleId :

S4-B003(10-12)MSD

Tot Ion:165 Resp: 175716

Ion Ratio Lower Upper

165 100

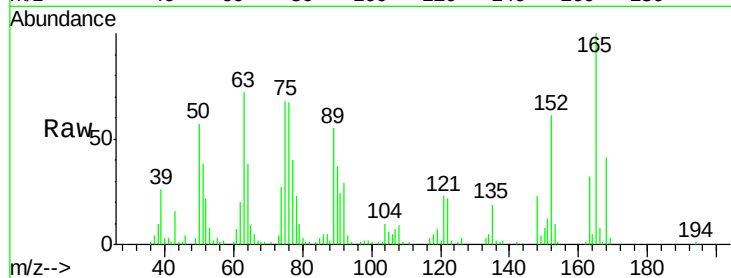
63 71.8 47.5 71.3#

89 55.2 42.9 64.3

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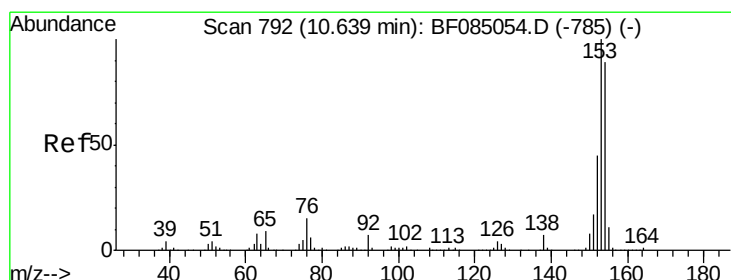
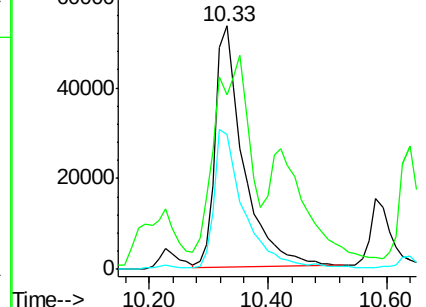
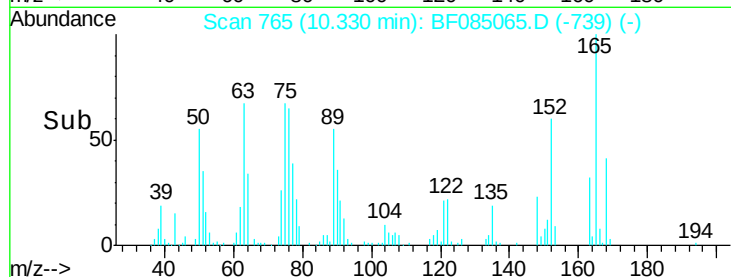
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Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF0

Ion 89.00 (88.70 to 89.70): BF0



#51

Acenaphthene

Concen: 38.58 ng

RT: 10.64 min Scan# 792

Delta R.T. -0.00 min

Lab File: BF085065.D

Acq: 13 Feb 2016 3:48

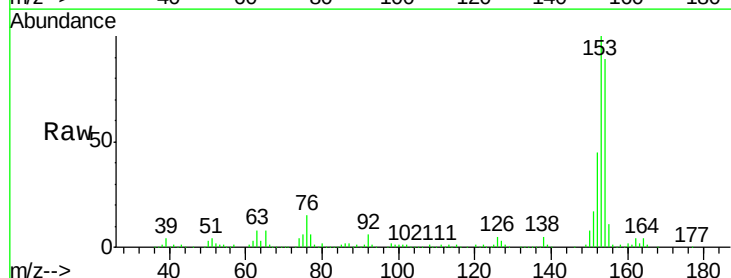
Tgt Ion:154 Resp: 710804

Ion Ratio Lower Upper

154 100

153 112.7 89.5 134.3

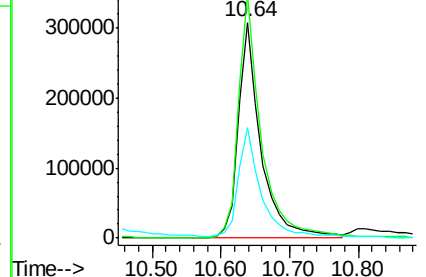
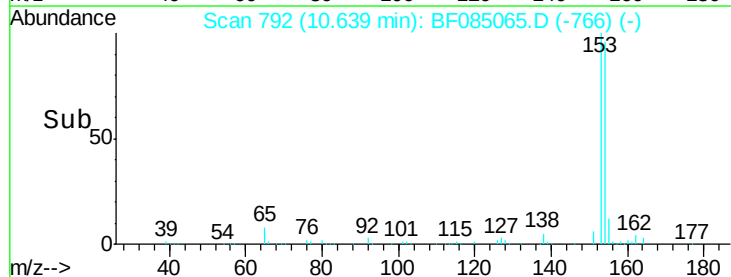
152 51.2 40.7 61.1

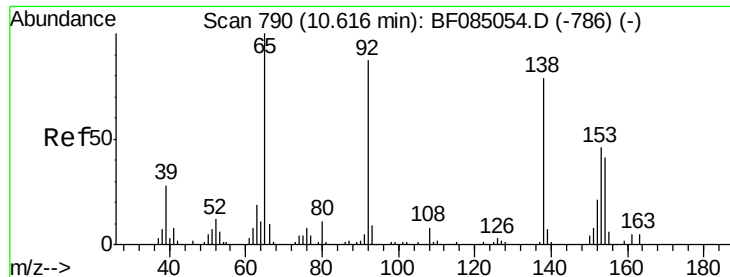


Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E





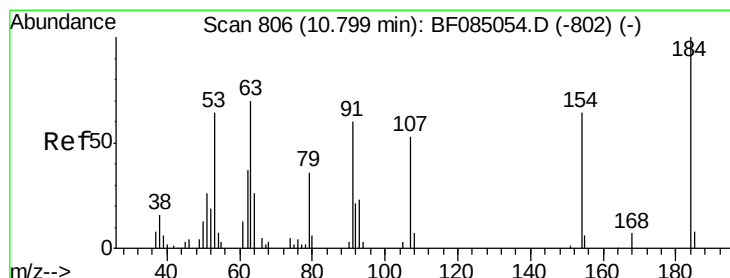
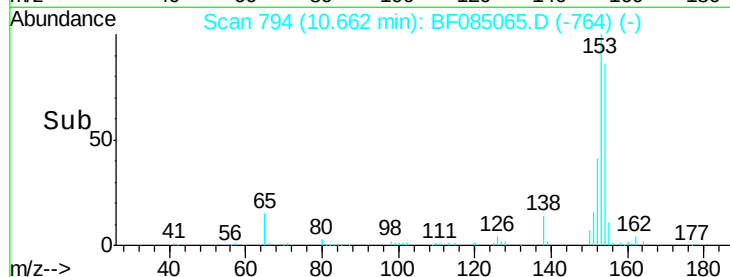
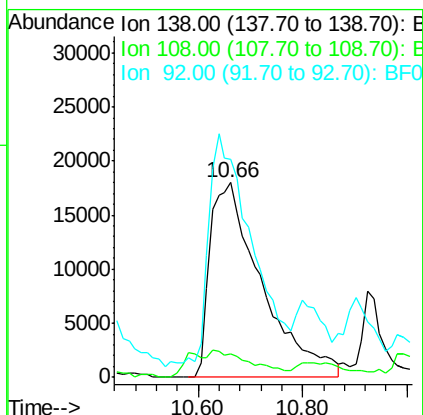
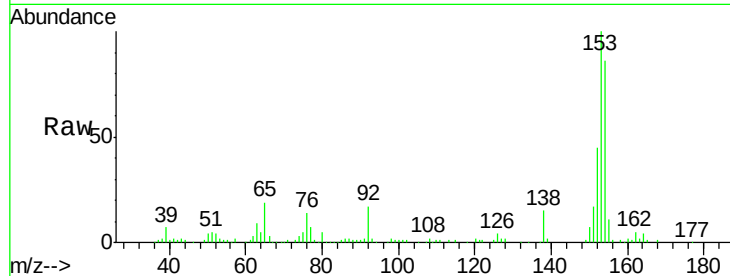
#52
3-Nitroaniline
Concen: 24.31 ng
RT: 10.66 min Scan# 794
Delta R.T. 0.05 min
Lab File: BF085065.D
Acq: 13 Feb 2016 3:48

Instrument :
BNA_F
ClientSampleId :
S4-B003(10-12)MSD

Tot Ion	Ratio	Lower	Upper
138	100		
108	11.9	9.1	13.7
92	112.0	88.9	133.3

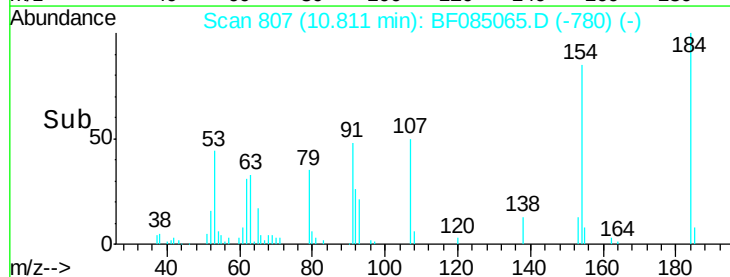
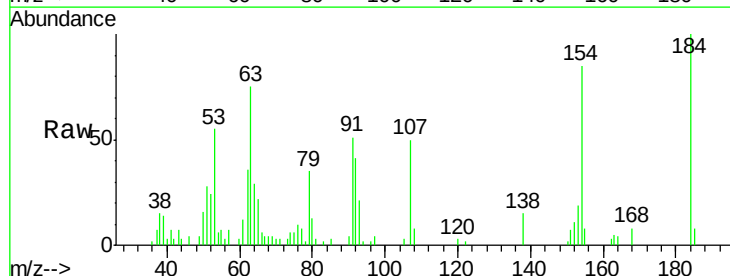
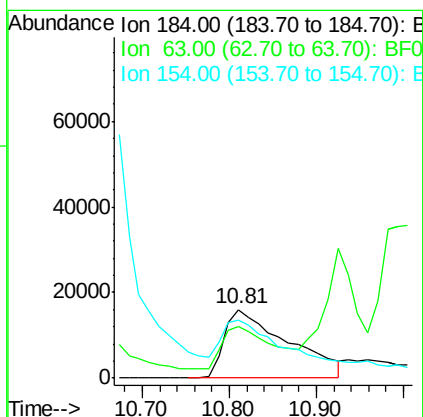
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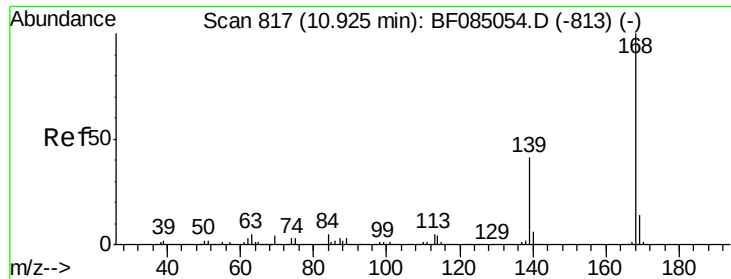
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#53
2,4-Dinitrophenol
Concen: 45.91 ng
RT: 10.81 min Scan# 807
Delta R.T. 0.01 min
Lab File: BF085065.D
Acq: 13 Feb 2016 3:48

Tgt Ion	Ratio	Lower	Upper
184	100		
63	75.1	60.6	90.8
154	84.8	70.2	105.2





#54

Dibenzofuran

Concen: 42.17 ng

RT: 10.92 min Scan# 817

Delta R.T. -0.00 min

Lab File: BF085065.D

Acq: 13 Feb 2016 3:48

Instrument :

BNA_F

ClientSampleId :

S4-B003(10-12)MSD

Tot Ion:168 Resp: 1039094

Ion Ratio Lower Upper

168 100

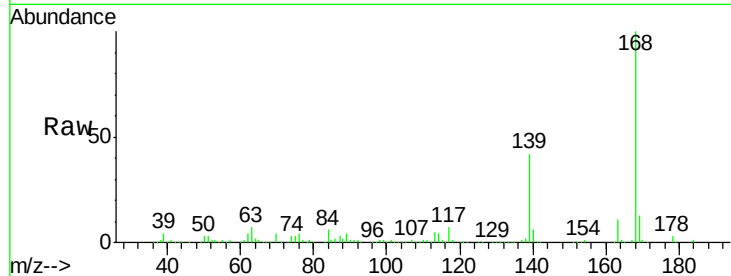
139 41.7 33.0 49.4

169 13.5 10.9 16.3

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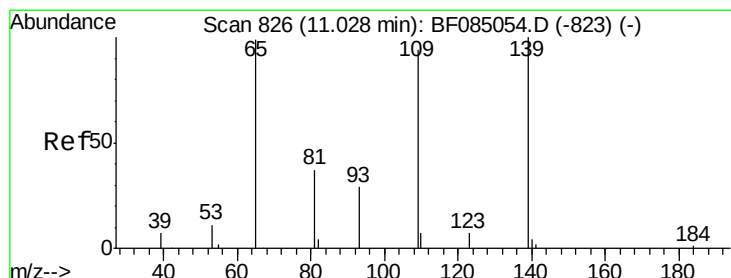
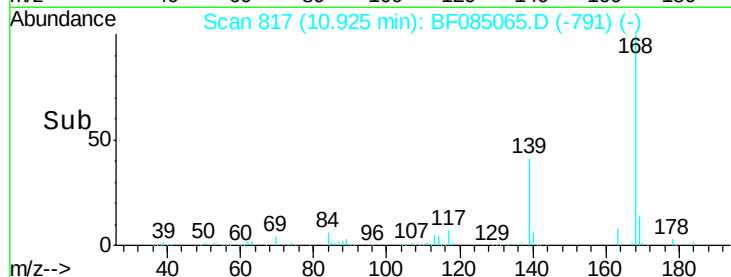
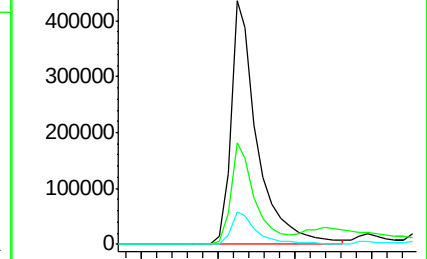
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Abundance Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 169.00 (168.70 to 169.70): E



#55

4-Nitrophenol

Concen: 64.20 ng

RT: 11.04 min Scan# 827

Delta R.T. 0.01 min

Lab File: BF085065.D

Acq: 13 Feb 2016 3:48

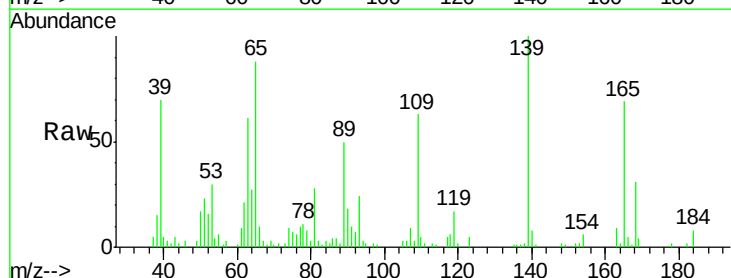
Tgt Ion:139 Resp: 209604

Ion Ratio Lower Upper

139 100

109 63.4 48.7 88.7

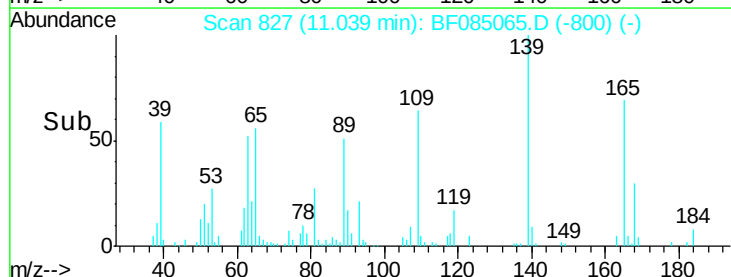
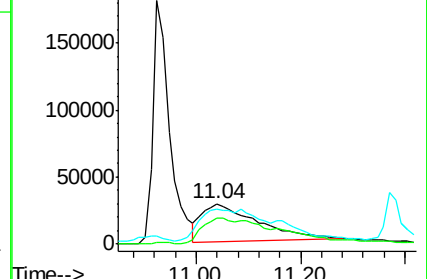
65 87.7 78.8 118.8

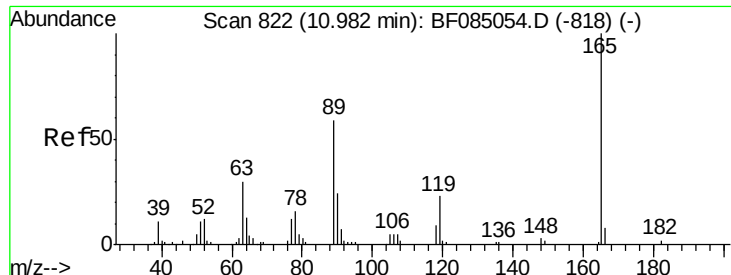


Abundance Ion 139.00 (138.70 to 139.70): E

Ion 109.00 (108.70 to 109.70): E

Ion 65.00 (64.70 to 65.70): BF0





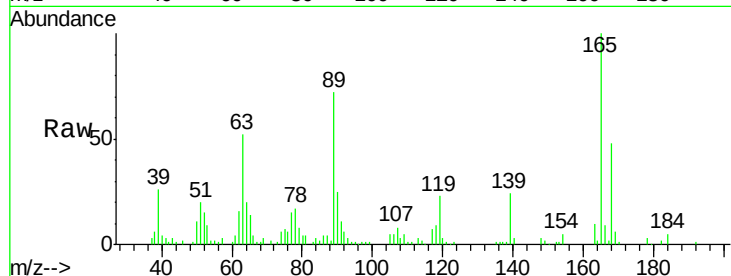
#56
 2,4-Dinitrotoluene
 Concen: 40.38 ng
 RT: 10.99 min Scan# 823
 Delta R.T. 0.01 min
 Lab File: BF085065.D
 Acq: 13 Feb 2016 3:48

Instrument :
 BNA_F
 ClientSampleId :
 S4-B003(10-12)MSD

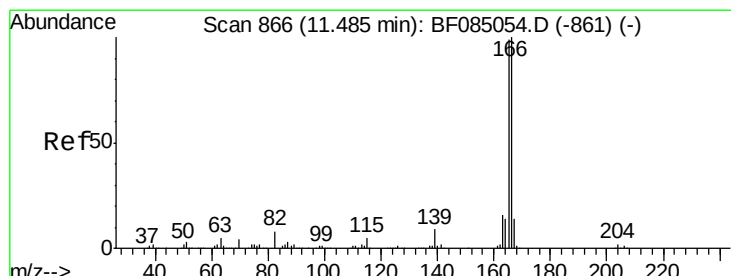
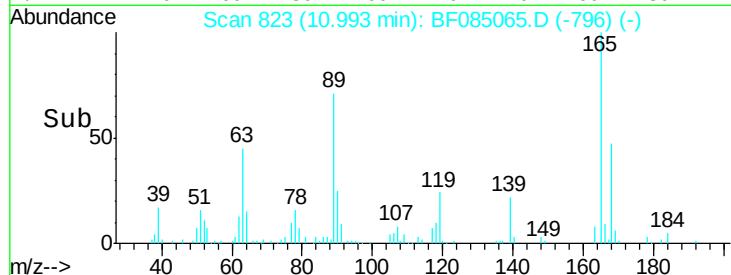
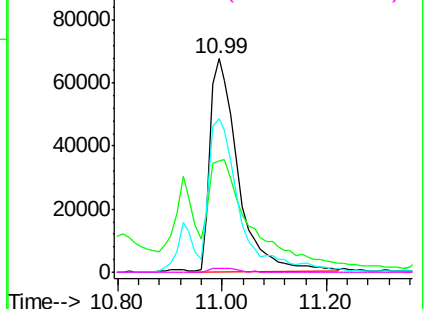
Tot Ion	Ion	Ratio	Resp	Lower	Upper
165	100		251947		
63	52.2	36.6	55.0		
89	71.7	54.4	81.6		
182	2.1	1.6	2.4		

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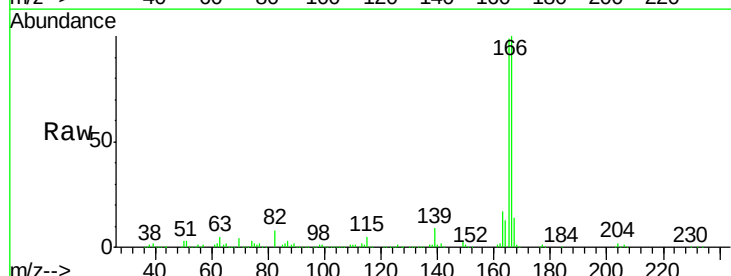


Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BF0
 Ion 89.00 (88.70 to 89.70): BF0
 Ion 182.00 (181.70 to 182.70): E

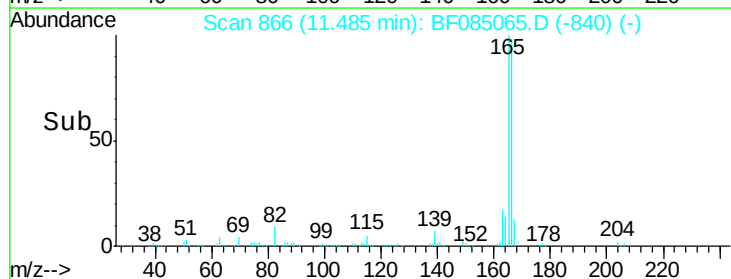
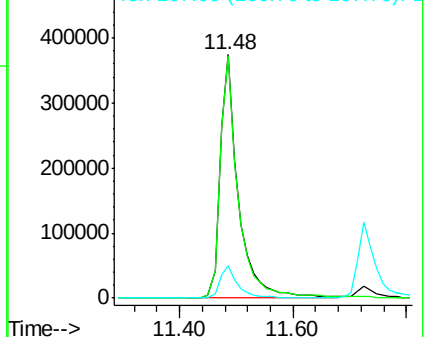


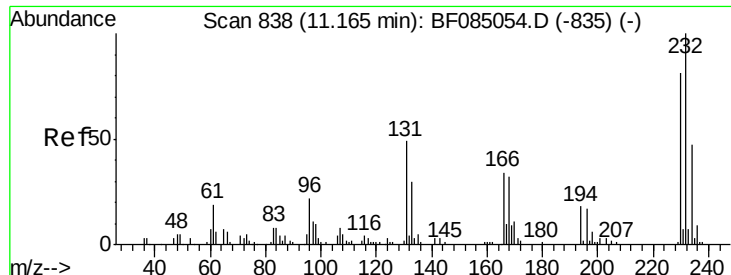
#57
 Fluorene
 Concen: 39.19 ng
 RT: 11.48 min Scan# 866
 Delta R.T. -0.00 min
 Lab File: BF085065.D
 Acq: 13 Feb 2016 3:48

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
166	100		828285		
165	99.4	78.9	118.3		
167	13.5	10.9	16.3		



Abundance Ion 166.00 (165.70 to 166.70): E
 Ion 165.00 (164.70 to 165.70): E
 Ion 167.00 (166.70 to 167.70): E





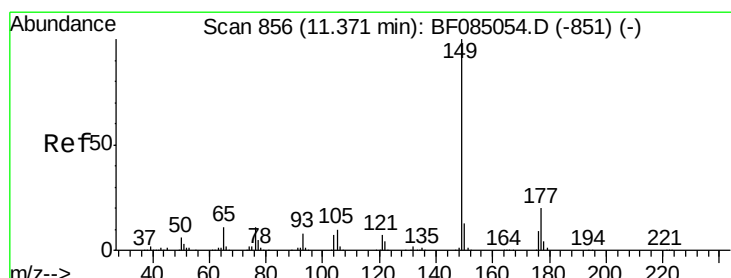
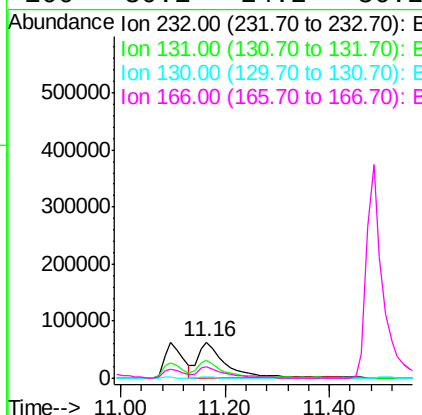
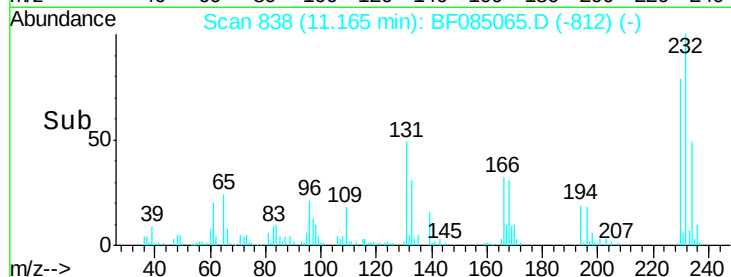
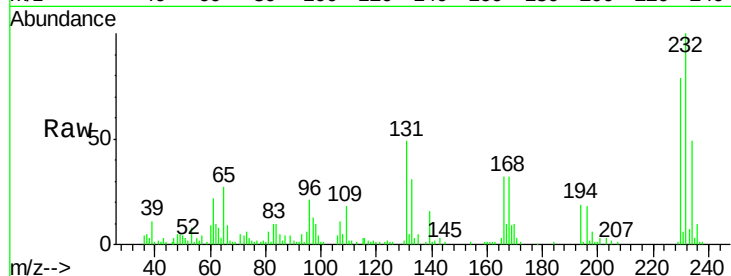
#58
 2,3,4,6-Tetrachlorophenol
 Concen: 46.60 ng
 RT: 11.16 min Scan# 838
 Delta R.T. -0.00 min
 Lab File: BF085065.D
 Acq: 13 Feb 2016 3:48

Instrument :
 BNA_F
 ClientSampleId :
 S4-B003(10-12)MSD

Tot Ion	Ratio	Resp	Lower	Upper
232	100	227519		
131	46.5	39.7	59.5	
130	1.8	1.8	2.8	
166	30.1	24.2	36.2	

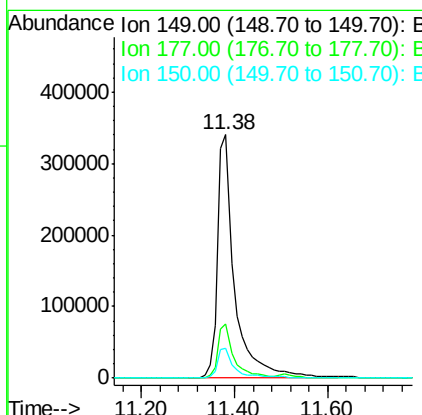
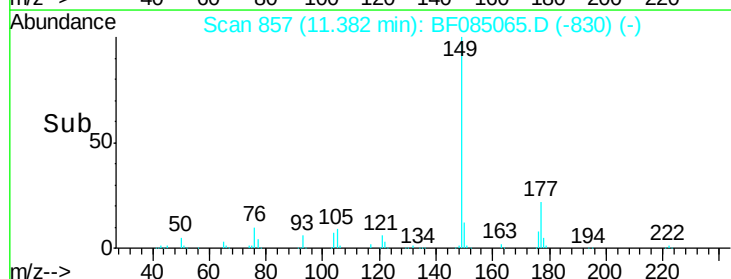
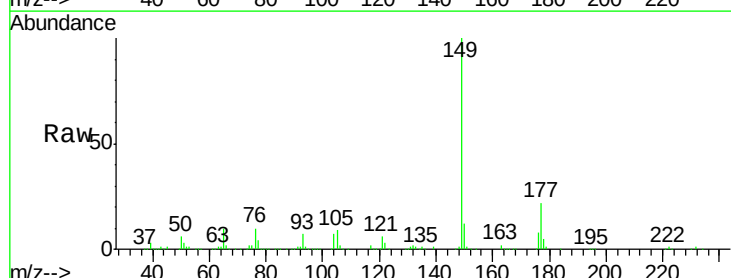
Manual Integrations
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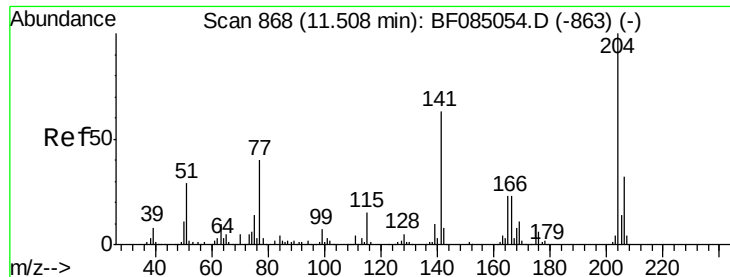
Sohil
 2/15/2016 4:44:46 PM



#59
 Diethylphthalate
 Concen: 39.15 ng
 RT: 11.38 min Scan# 857
 Delta R.T. 0.01 min
 Lab File: BF085065.D
 Acq: 13 Feb 2016 3:48

Tgt Ion	Ratio	Resp	Lower	Upper
149	100	865981		
177	22.1	16.4	24.6	
150	12.5	10.2	15.4	





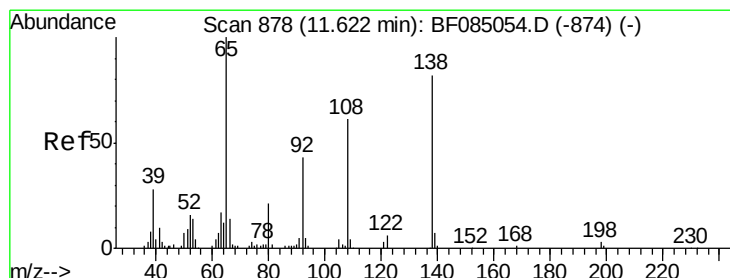
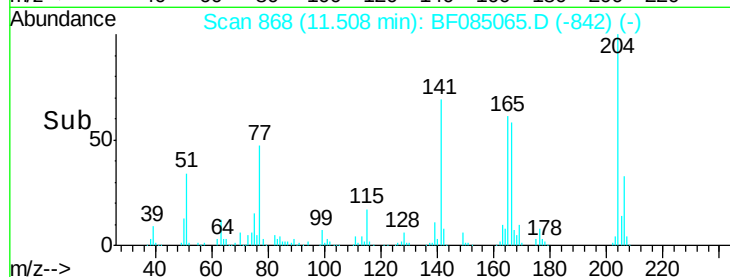
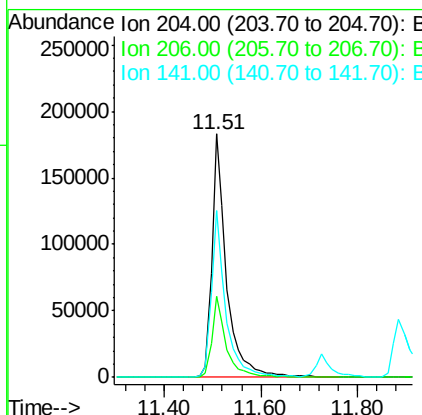
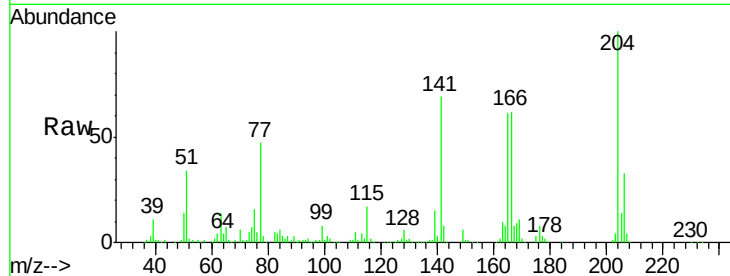
#60
 4-Chlorophenyl-phenylether
 Concen: 38.80 ng
 RT: 11.51 min Scan# 868
 Delta R.T. -0.00 min
 Lab File: BF085065.D
 Acq: 13 Feb 2016 3:48

Instrument :
 BNA_F
 ClientSampleId :
 S4-B003(10-12)MSD

Tot Ion:	204	Resp:	392879
Ion Ratio	Lower	Upper	
204	100		
206	33.4	25.8	38.6
141	68.7	50.5	75.7

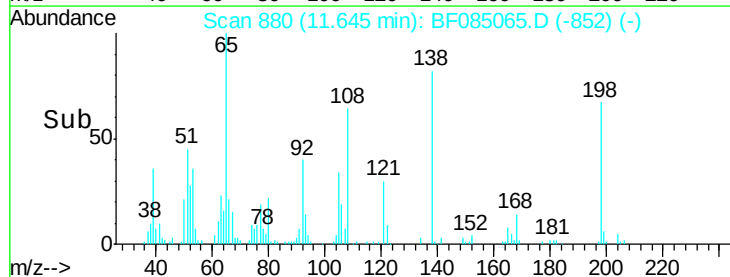
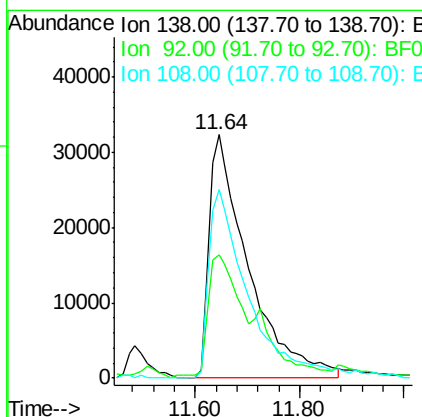
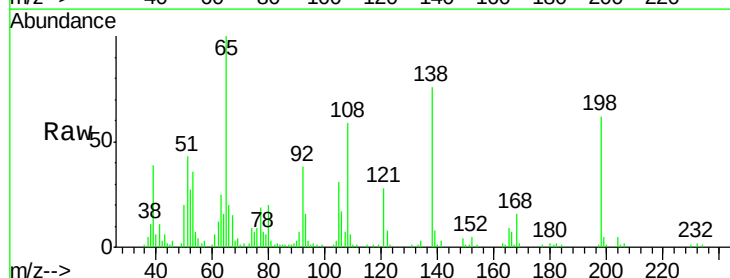
Manual Integrations
 APPROVED

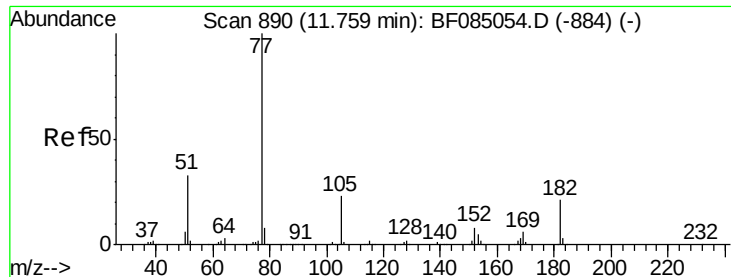
Sohil
 2/15/2016 4:44:46 PM



#61
 4-Nitroaniline
 Concen: 36.01 ng
 RT: 11.64 min Scan# 880
 Delta R.T. 0.02 min
 Lab File: BF085065.D
 Acq: 13 Feb 2016 3:48

Tgt Ion:	138	Resp:	168362
Ion Ratio	Lower	Upper	
138	100		
92	50.4	32.6	72.6
108	77.3	54.6	94.6





#62

Azobenzene

Concen: 42.16 ng

RT: 11.76 min Scan# 890

Delta R.T. -0.00 min

Lab File: BF085065.D

Acq: 13 Feb 2016 3:48

Instrument :

BNA_F

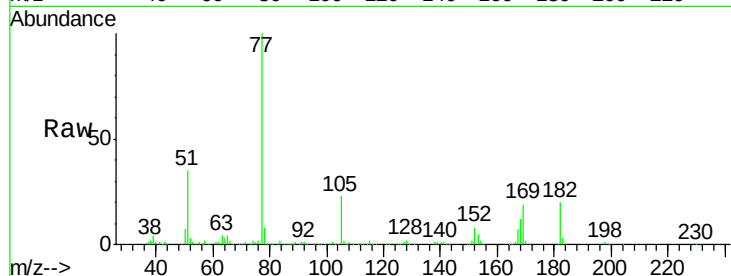
ClientSampleId :

S4-B003(10-12)MSD

Tot Ion	Ion	Ratio	Resp	Lower	Upper
77	100		898532		
182	20.0	1.3	41.3		
105	22.6	4.2	44.2		
51	35.1	13.5	53.5		

Manual Integrations
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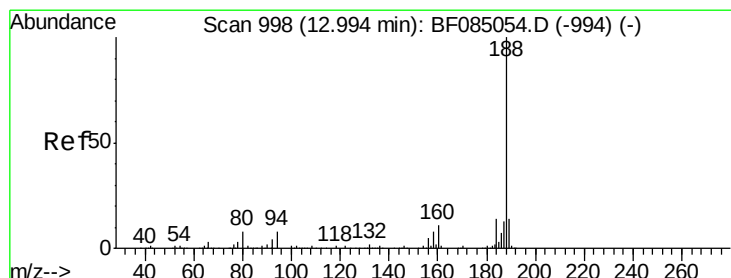
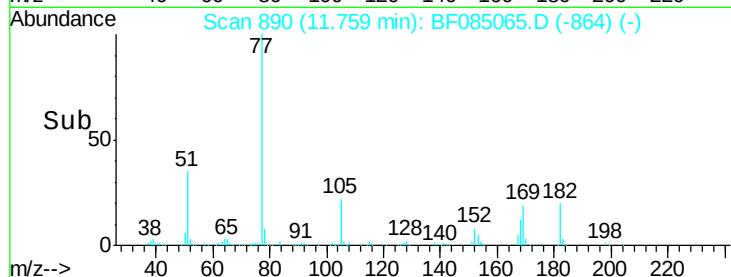
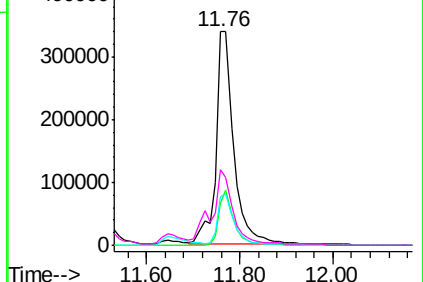


Abundance Ion 77.00 (76.70 to 77.70): BF0

Ion 182.00 (181.70 to 182.70): E

Ion 105.00 (104.70 to 105.70): E

Ion 51.00 (50.70 to 51.70): BF0



#63

Phenanthrene-d10

Concen: 20.00 ng

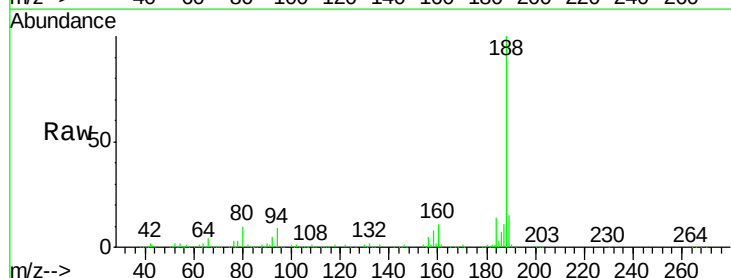
RT: 12.99 min Scan# 998

Delta R.T. -0.00 min

Lab File: BF085065.D

Acq: 13 Feb 2016 3:48

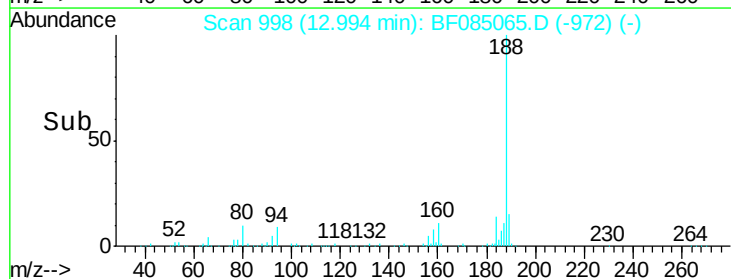
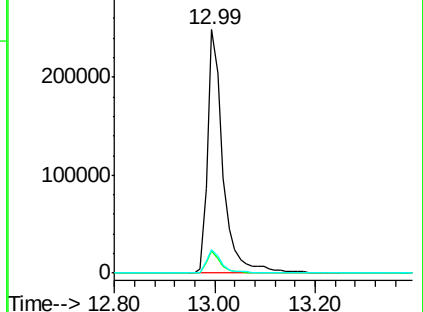
Tgt Ion	Ion	Ratio	Resp	Lower	Upper
188	100		531089		
94	9.2	6.2	9.2		
80	9.7	6.6	9.8		

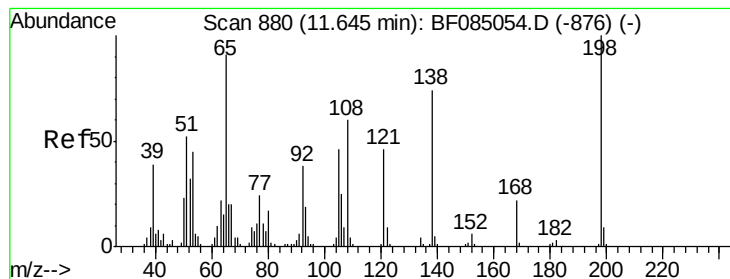


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF0

Ion 80.00 (79.70 to 80.70): BF0





#64

4,6-Dinitro-2-methylphenol

Concen: 34.33 ng

RT: 11.64 min Scan# 880

Delta R.T. -0.00 min

Lab File: BF085065.D

Acq: 13 Feb 2016 3:48

Instrument :

BNA_F

ClientSampleId :

S4-B003(10-12)MSD

Tot Ion:198 Resp: 100228

Ion Ratio Lower Upper

198 100

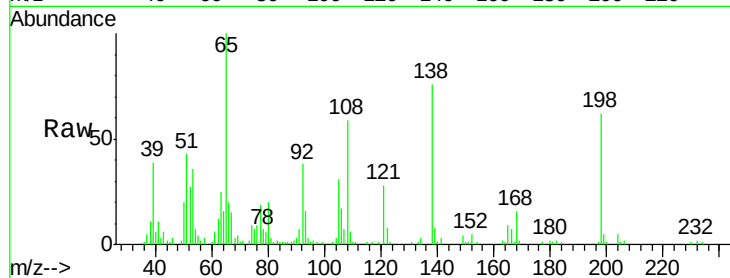
51 70.7 34.5 74.5

105 50.9 26.2 66.2

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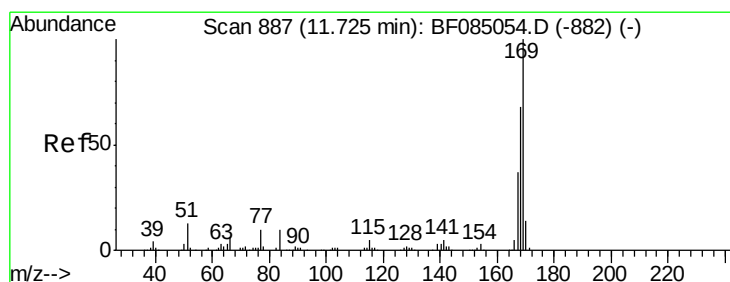
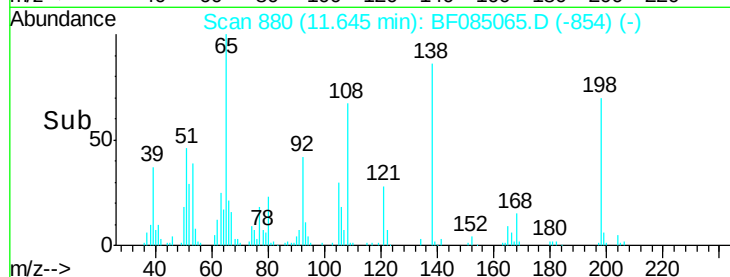
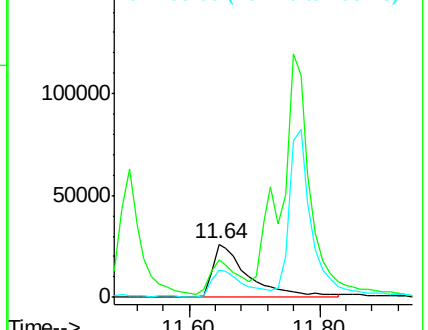
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Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BF0

Ion 105.00 (104.70 to 105.70): E



#65

n-Nitrosodiphenylamine

Concen: 40.61 ng

RT: 11.72 min Scan# 887

Delta R.T. -0.00 min

Lab File: BF085065.D

Acq: 13 Feb 2016 3:48

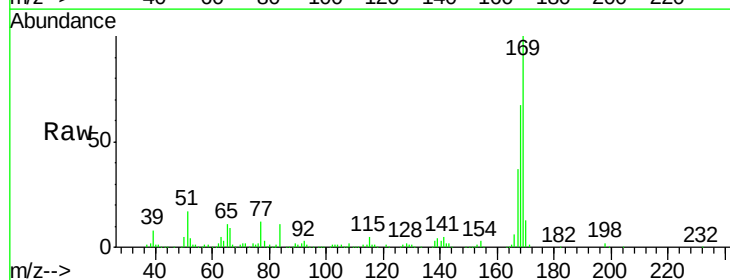
Tgt Ion:169 Resp: 684835

Ion Ratio Lower Upper

169 100

168 67.0 54.8 82.2

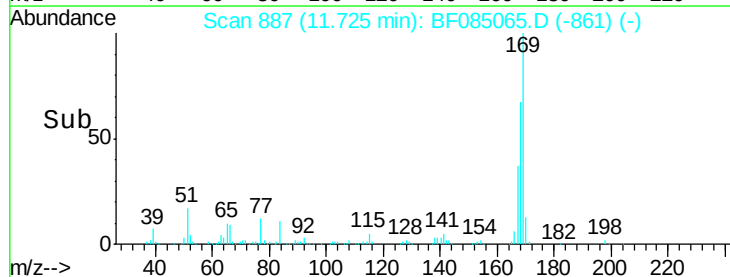
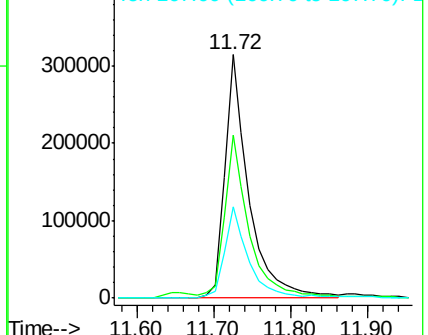
167 37.3 29.8 44.8

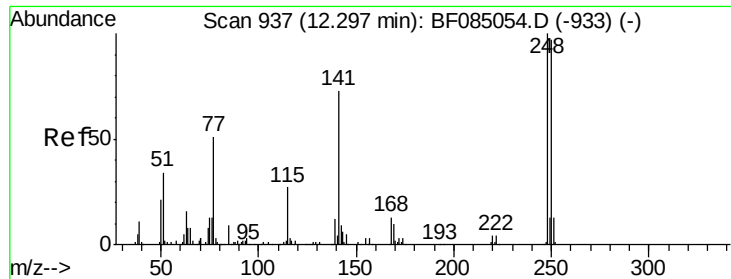


Abundance Ion 169.00 (168.70 to 169.70): E

Ion 168.00 (167.70 to 168.70): E

Ion 167.00 (166.70 to 167.70): E





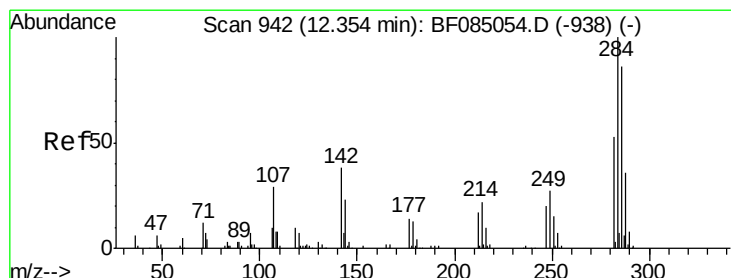
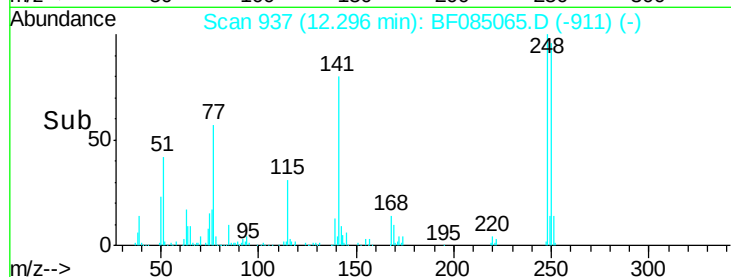
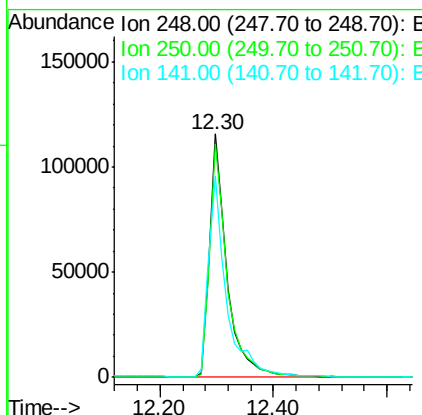
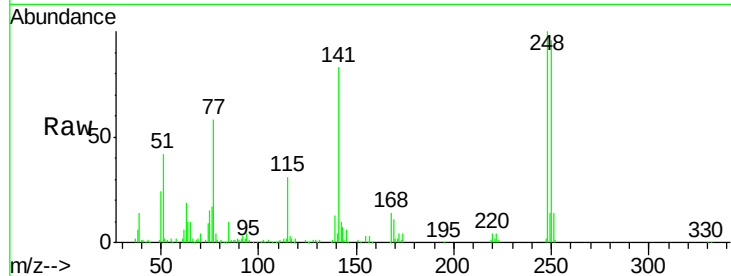
#66
4-Bromophenyl-phenylether
Concen: 40.66 ng
RT: 12.30 min Scan# 937
Delta R.T. -0.00 min
Lab File: BF085065.D
Acq: 13 Feb 2016 3:48

Instrument :
BNA_F
ClientSampleId :
S4-B003(10-12)MSD

Tot Ion	Ratio	Lower	Upper
248	100		
250	96.0	77.5	116.3
141	82.5	58.2	87.4

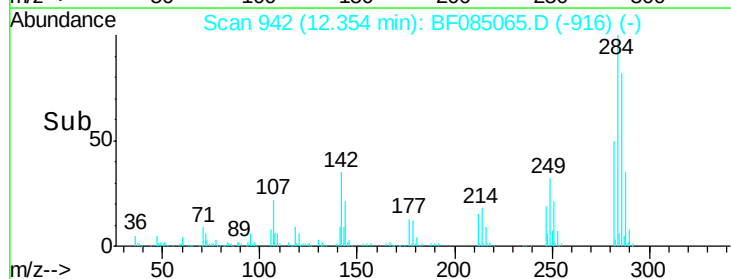
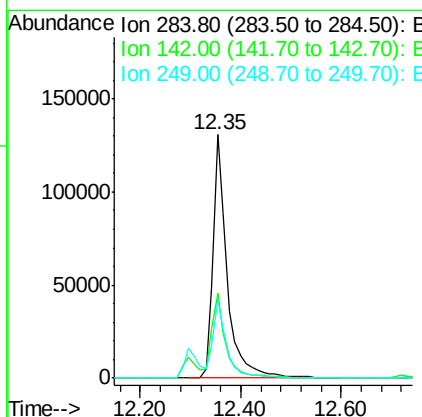
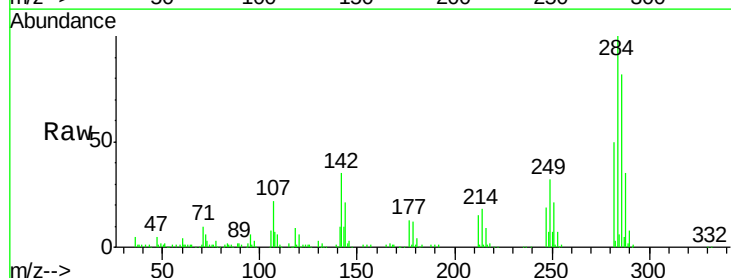
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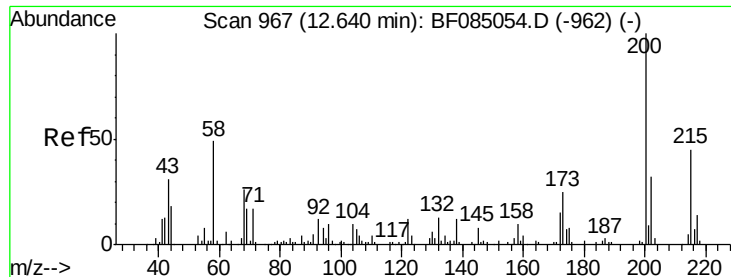
Sohil
2/15/2016 4:44:46 PM



#67
Hexachlorobenzene
Concen: 40.61 ng
RT: 12.35 min Scan# 942
Delta R.T. -0.00 min
Lab File: BF085065.D
Acq: 13 Feb 2016 3:48

Tgt Ion	Ratio	Lower	Upper
284	100		
142	34.9	33.5	50.3
249	32.2	27.4	41.2





#68

Atrazine

Concen: 36.89 ng

RT: 12.64 min Scan# 967

Delta R.T. -0.00 min

Lab File: BF085065.D

Acq: 13 Feb 2016 3:48

Instrument :

BNA_F

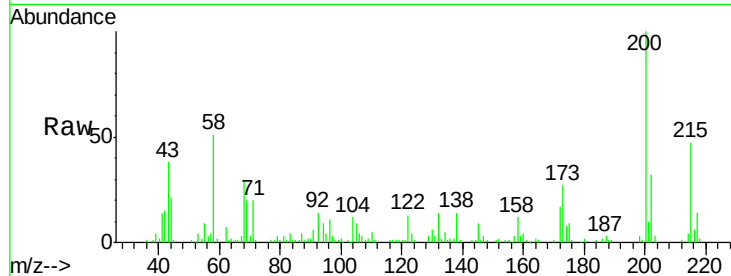
ClientSampleId :

S4-B003(10-12)MSD

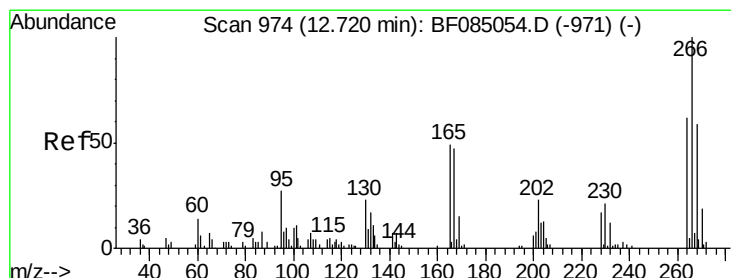
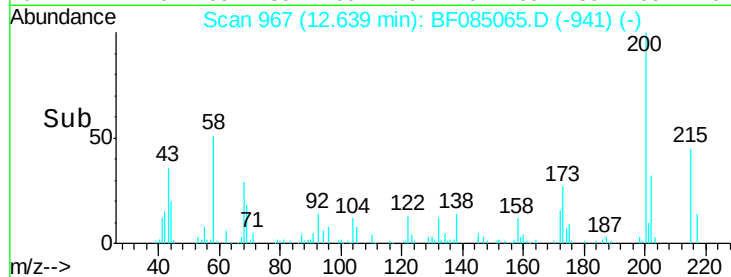
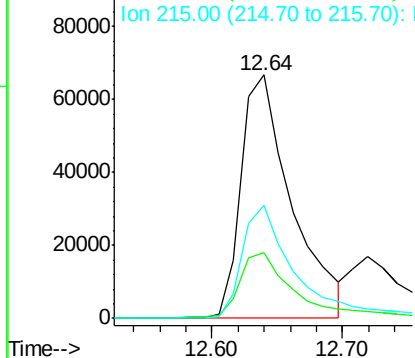
Tot Ion:	200	Resp:	180309
Ion Ratio	Lower	Upper	
200	100		
173	26.7	4.7	44.7
215	46.5	24.8	64.8

Manual Integrations
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Abundance Ion 200.00 (199.70 to 200.70): E
Ion 173.00 (172.70 to 173.70): E
Ion 215.00 (214.70 to 215.70): E



#69

Pentachlorophenol

Concen: 71.67 ng

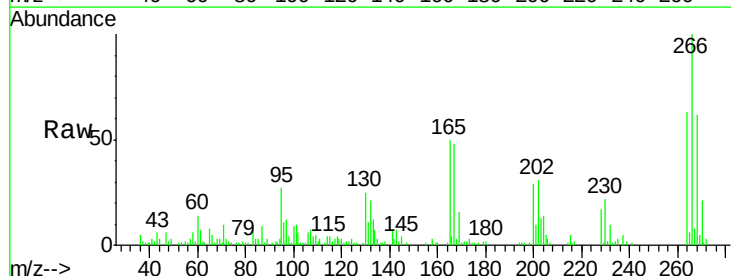
RT: 12.72 min Scan# 974

Delta R.T. 0.00 min

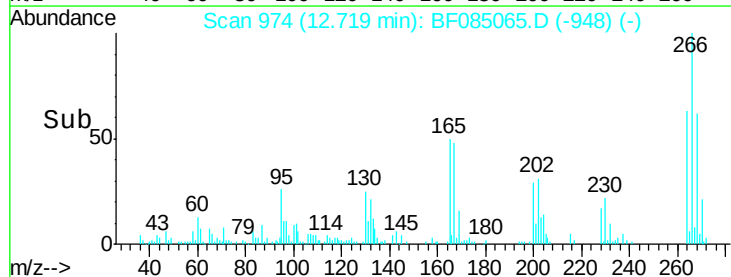
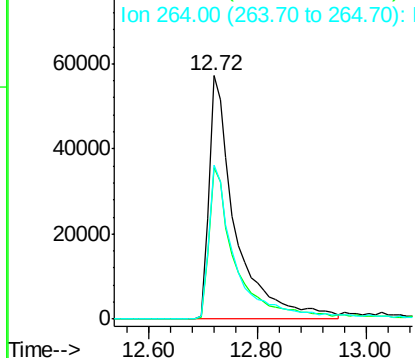
Lab File: BF085065.D

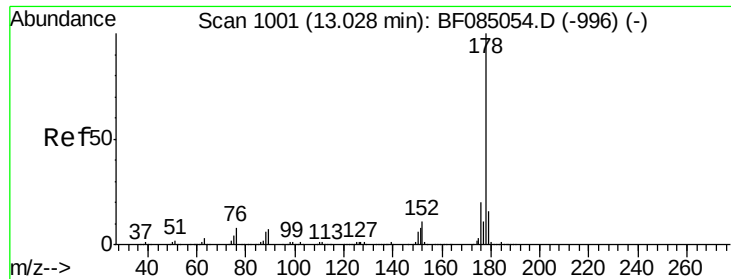
Acq: 13 Feb 2016 3:48

Tgt Ion:	266	Resp:	194811
Ion Ratio	Lower	Upper	
266	100		
268	62.2	47.3	70.9
264	63.4	49.8	74.6



Abundance Ion 265.70 (265.40 to 266.40): E
Ion 268.00 (267.70 to 268.70): E
Ion 264.00 (263.70 to 264.70): E





#70

Phenanthrene

Concen: 38.20 ng

RT: 13.03 min Scan# 1001

Delta R.T. -0.00 min

Lab File: BF085065.D

Acq: 13 Feb 2016 3:48

Instrument :

BNA_F

ClientSampleId :

S4-B003(10-12)MSD

Tot Ion:178 Resp: 1118667

Ion Ratio Lower Upper

178 100

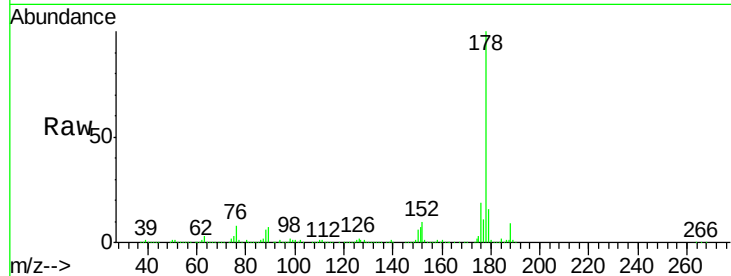
176 18.8 15.9 23.9

179 15.8 13.1 19.7

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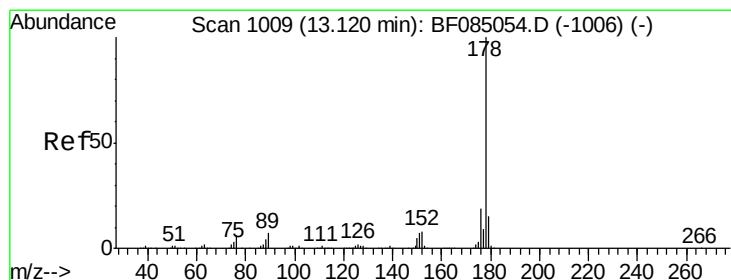
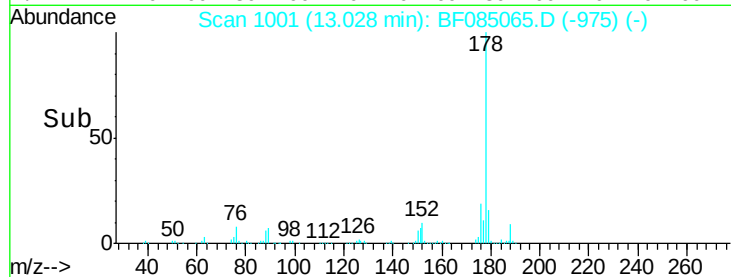
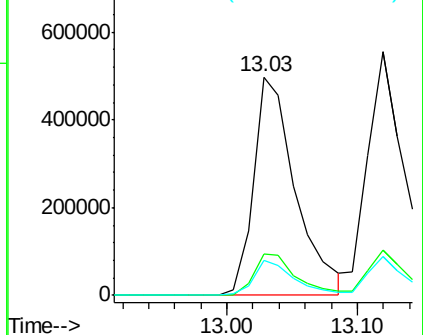
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Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



#71

Anthracene

Concen: 41.44 ng

RT: 13.12 min Scan# 1009

Delta R.T. -0.00 min

Lab File: BF085065.D

Acq: 13 Feb 2016 3:48

Tgt Ion:178 Resp: 1268186

Ion Ratio Lower Upper

178 100

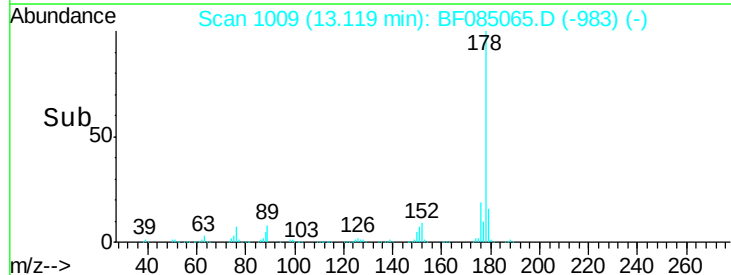
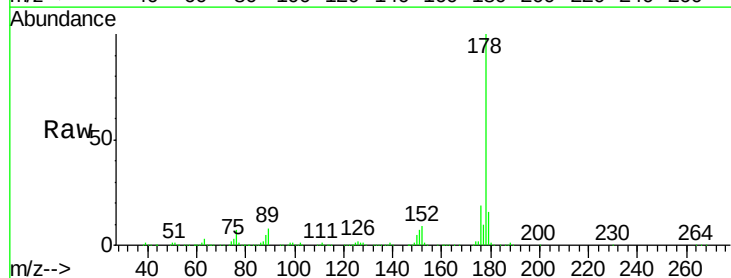
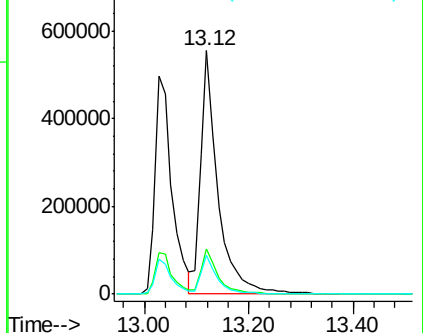
176 18.6 14.8 22.2

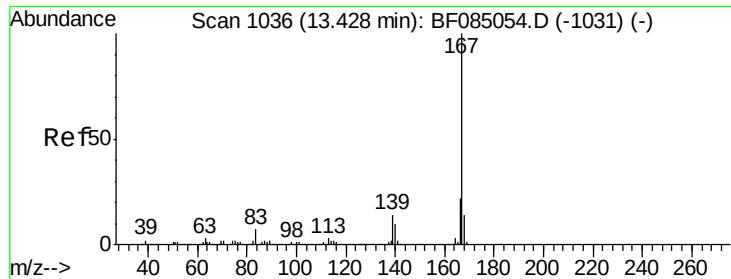
179 15.7 12.2 18.2

Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





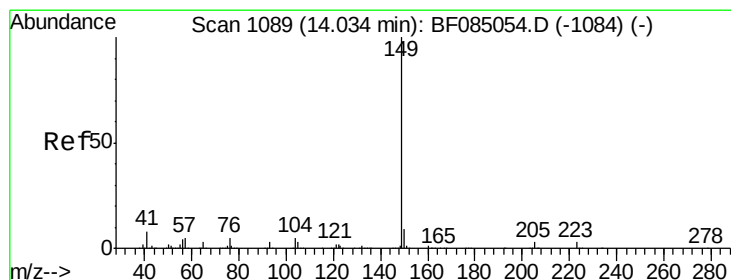
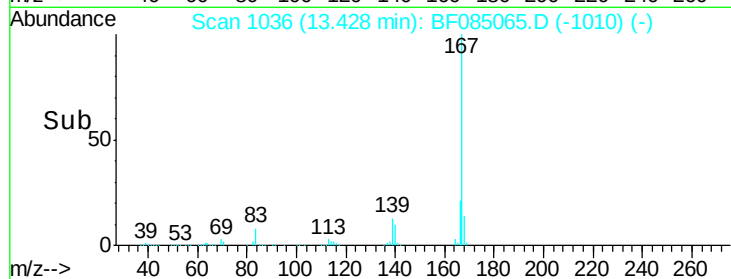
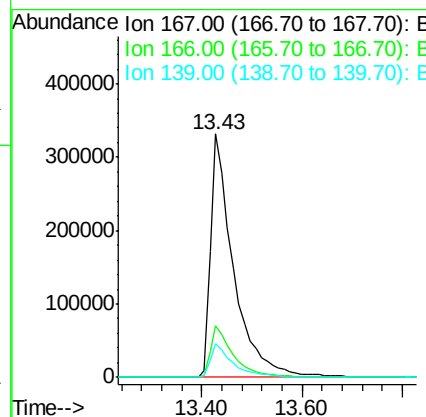
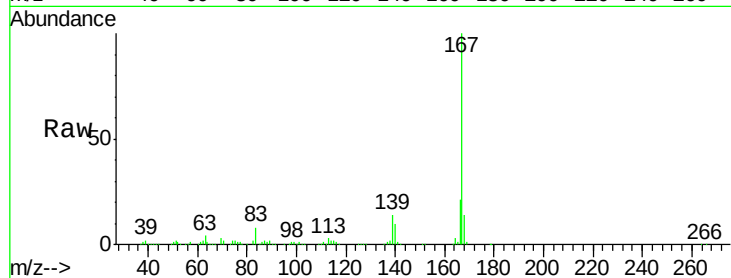
#72
 Carbazole
 Concen: 41.40 ng
 RT: 13.43 min Scan# 1036
 Delta R.T. -0.00 min
 Lab File: BF085065.D
 Acq: 13 Feb 2016 3:48

Instrument :
 BNA_F
 ClientSampleId :
 S4-B003(10-12)MSD

Tot Ion	Ratio	Lower	Upper
167	100		
166	21.1	17.4	26.0
139	13.8	11.0	16.6

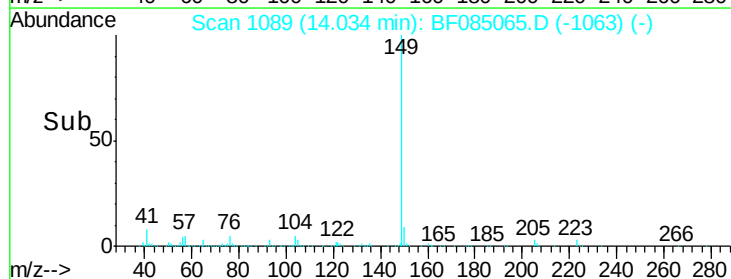
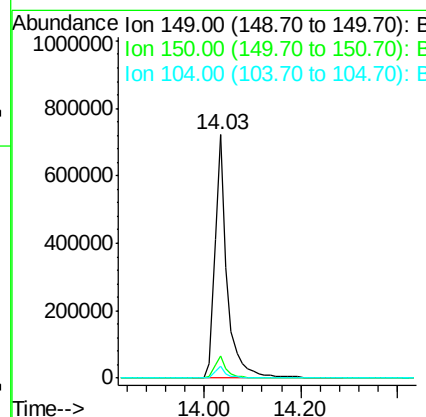
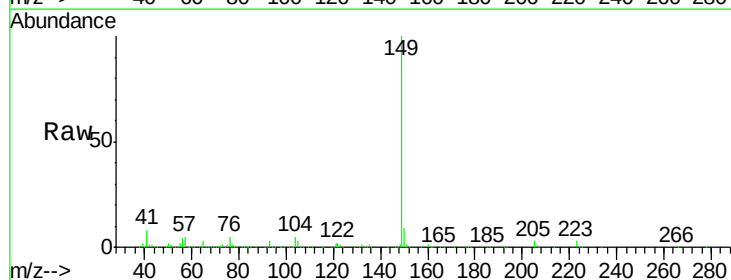
Manual Integrations
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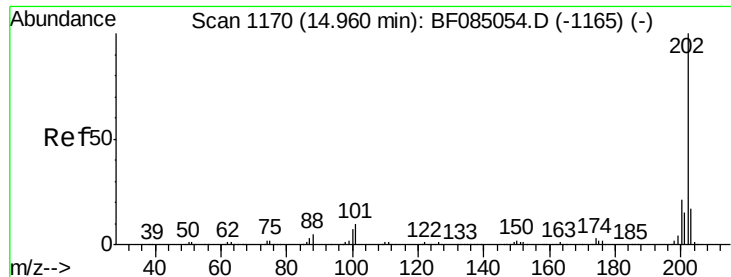
Sohil
 2/15/2016 4:44:46 PM



#73
 Di-n-butylphthalate
 Concen: 38.85 ng
 RT: 14.03 min Scan# 1089
 Delta R.T. -0.00 min
 Lab File: BF085065.D
 Acq: 13 Feb 2016 3:48

Tgt Ion	Ratio	Lower	Upper
149	100		
150	9.0	7.5	11.3
104	5.0	4.2	6.2





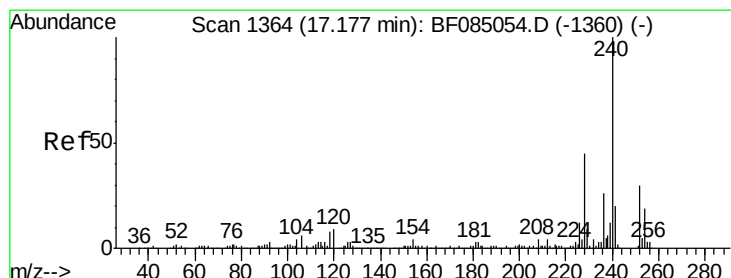
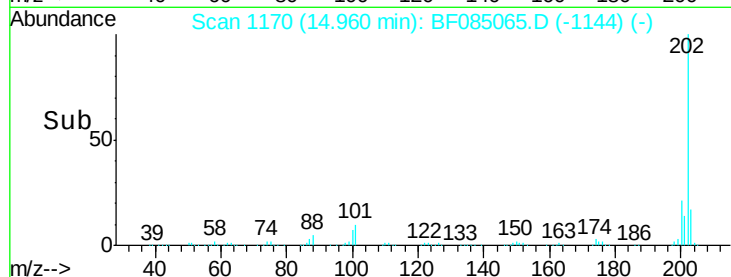
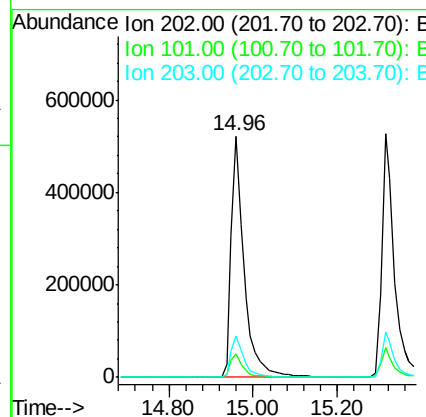
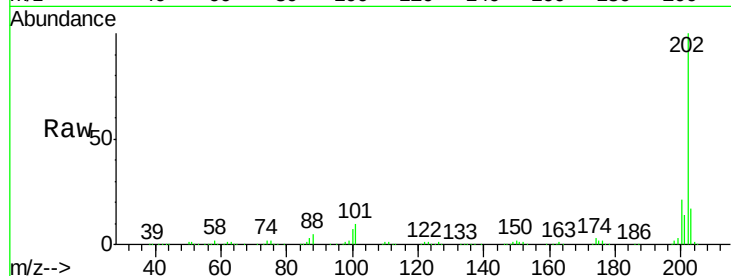
#74
 Fluoranthene
 Concen: 38.44 ng
 RT: 14.96 min Scan# 1170
 Delta R.T. -0.00 min
 Lab File: BF085065.D
 Acq: 13 Feb 2016 3:48

Instrument :
 BNA_F
 ClientSampleId :
 S4-B003(10-12)MSD

Tot Ion	Ratio	Resp	Lower	Upper
202	100	1121511		
101	9.9	0.0	29.8	
203	17.4	0.0	37.5	

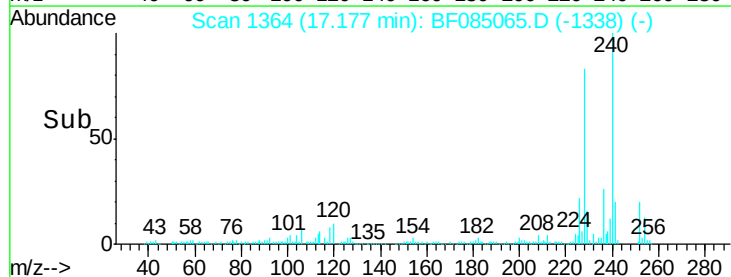
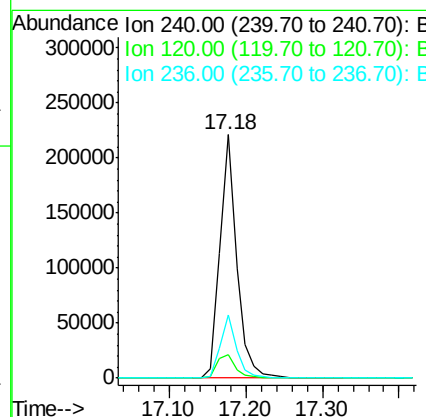
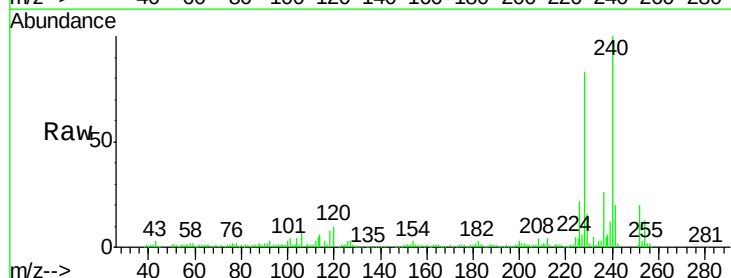
Manual Integrations
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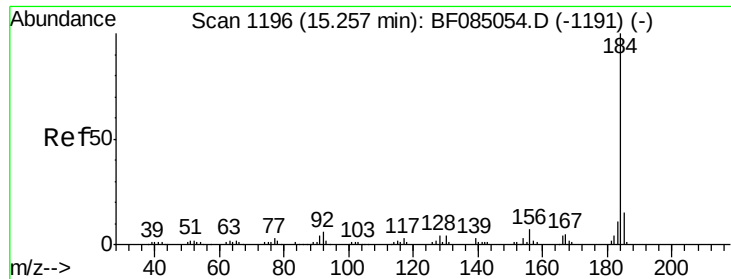
Sohil
 2/15/2016 4:44:46 PM



#75
 Chrysene-d12
 Concen: 20.00 ng
 RT: 17.18 min Scan# 1364
 Delta R.T. -0.00 min
 Lab File: BF085065.D
 Acq: 13 Feb 2016 3:48

Tgt Ion	Ratio	Resp	Lower	Upper
240	100	339258		
120	9.7	7.0	10.6	
236	25.8	20.5	30.7	





#76

Benzidine

Concen: 22.55 ng

RT: 15.28 min Scan# 1198

Delta R.T. 0.02 min

Lab File: BF085065.D

Acq: 13 Feb 2016 3:48

Instrument :

BNA_F

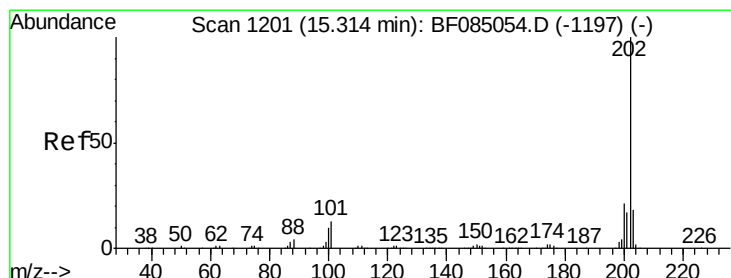
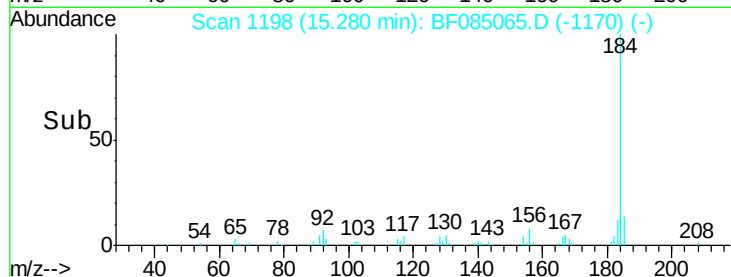
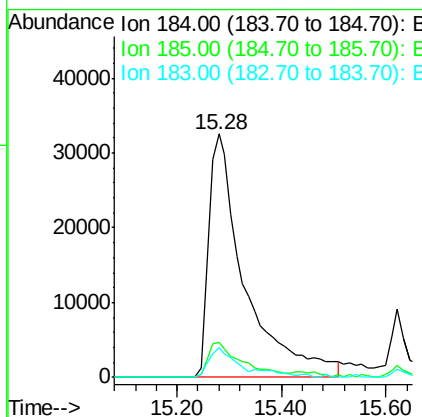
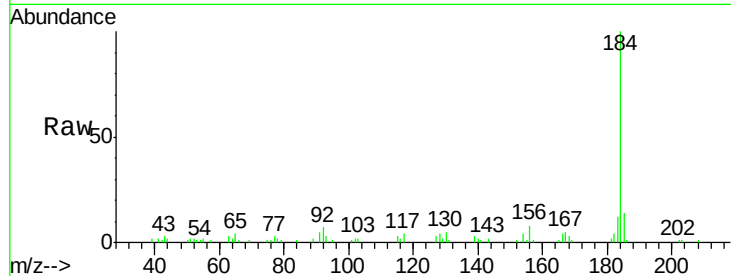
ClientSampleId :

S4-B003(10-12)MSD

Tot Ion	Ratio	Lower	Upper
184	100		
185	14.3	11.8	17.8
183	12.2	8.6	12.8

Manual Integrations
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Sohil
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#77

Pyrene

Concen: 40.97 ng

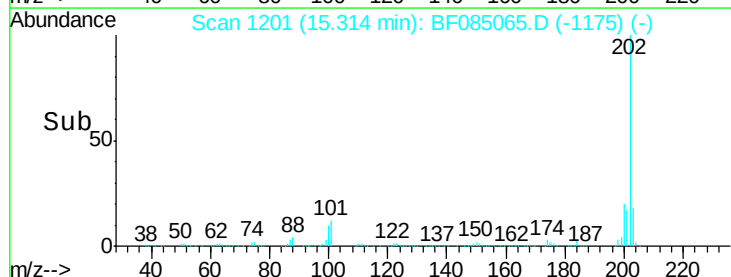
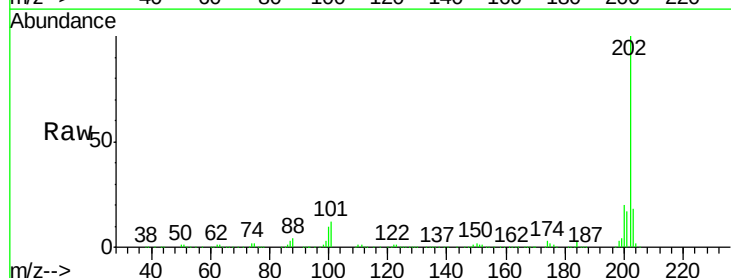
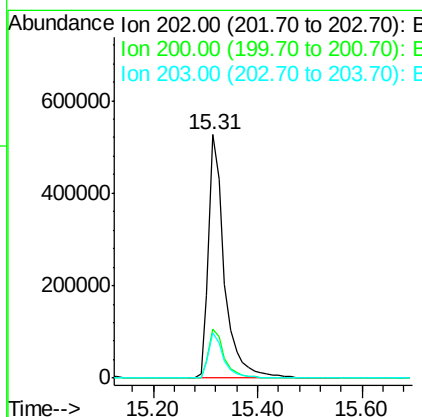
RT: 15.31 min Scan# 1201

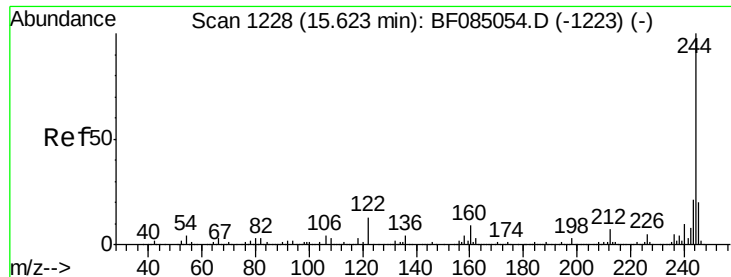
Delta R.T. -0.00 min

Lab File: BF085065.D

Acq: 13 Feb 2016 3:48

Tgt Ion	Ratio	Lower	Upper
202	100		
200	20.2	17.0	25.4
203	18.3	14.2	21.4





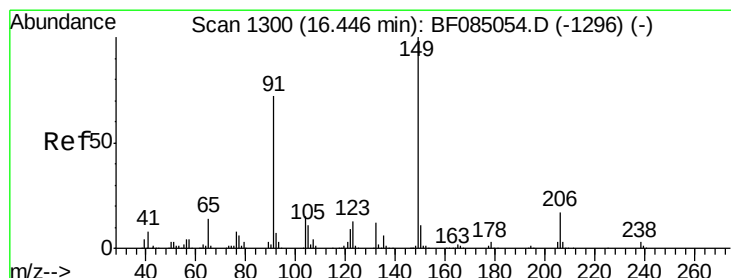
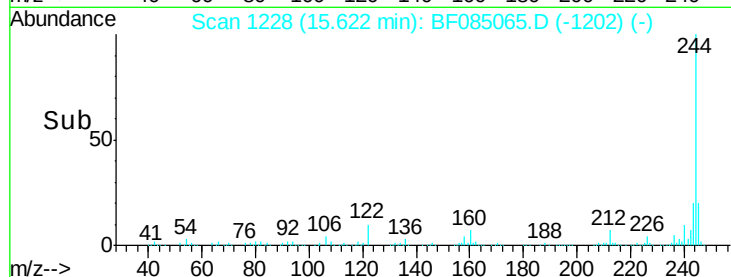
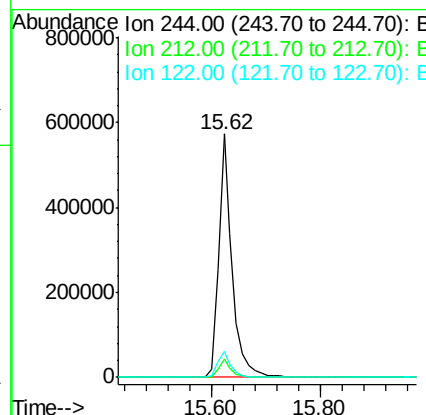
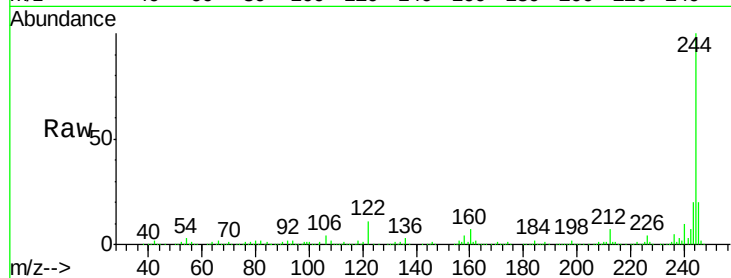
#78
 Terphenyl-d14
 Concen: 59.73 ng
 RT: 15.62 min Scan# 1228
 Delta R.T. -0.00 min
 Lab File: BF085065.D
 Acq: 13 Feb 2016 3:48

Instrument :
 BNA_F
 ClientSampleId :
 S4-B003(10-12)MSD

Tot Ion	Ratio	Resp	Lower	Upper
244	100			
212	7.5	6.0	9.0	
122	10.9	10.1	15.1	

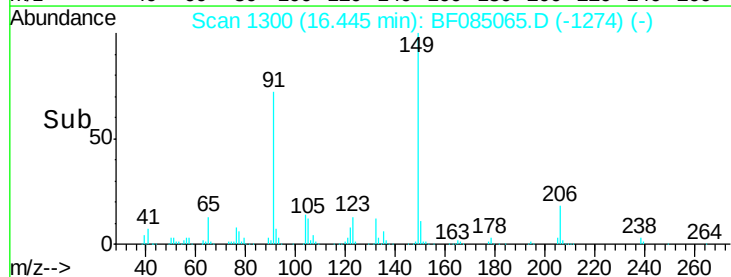
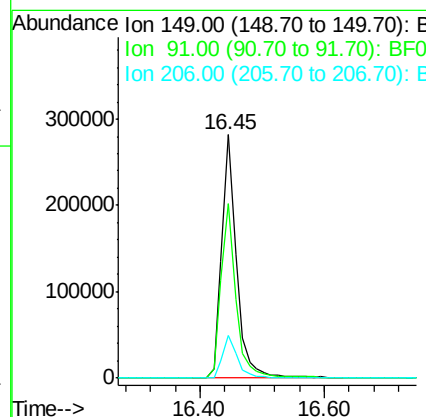
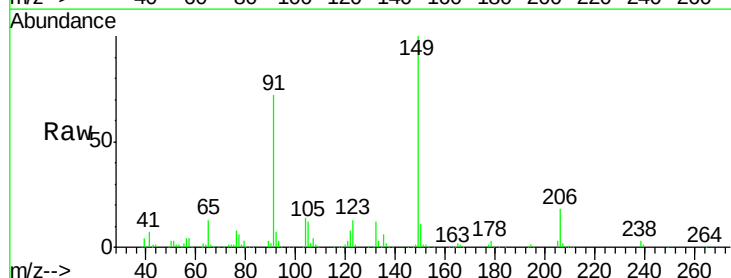
Manual Integrations
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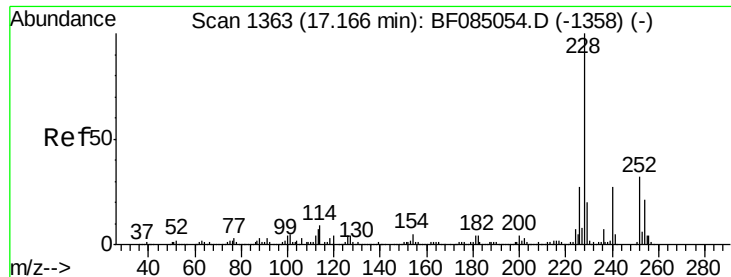
Sohil
 2/15/2016 4:44:46 PM



#79
 Butylbenzylphthalate
 Concen: 40.32 ng
 RT: 16.45 min Scan# 1300
 Delta R.T. -0.00 min
 Lab File: BF085065.D
 Acq: 13 Feb 2016 3:48

Tgt Ion	Ratio	Resp	Lower	Upper
149	100			
91	71.7	57.8	86.8	
206	17.6	13.8	20.8	





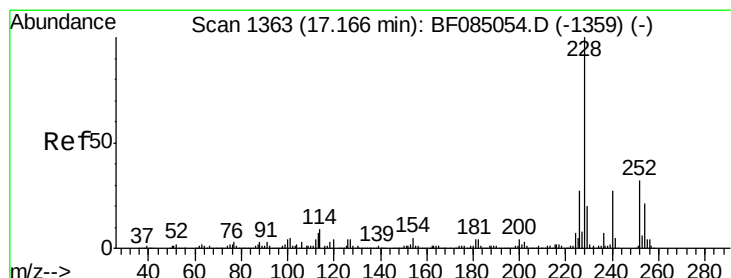
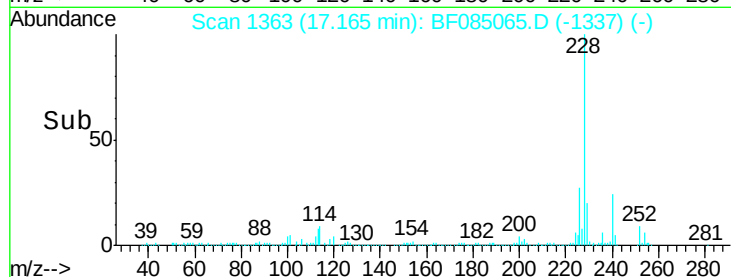
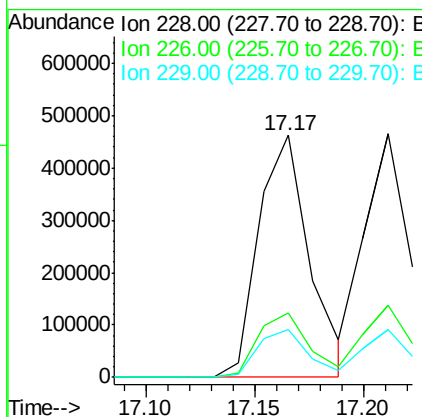
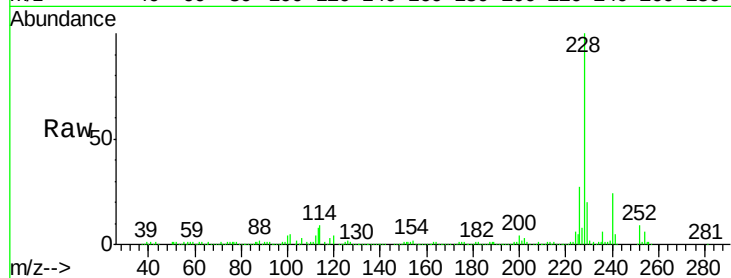
#80
Benzo(a)anthracene
Concen: 38.44 ng
RT: 17.17 min Scan# 1363
Delta R.T. -0.00 min
Lab File: BF085065.D
Acq: 13 Feb 2016 3:48

Instrument :
BNA_F
ClientSampleId :
S4-B003(10-12)MSD

Tot Ion	Ratio	Lower	Upper
228	100		
226	26.7	21.8	32.6
229	19.5	15.8	23.8

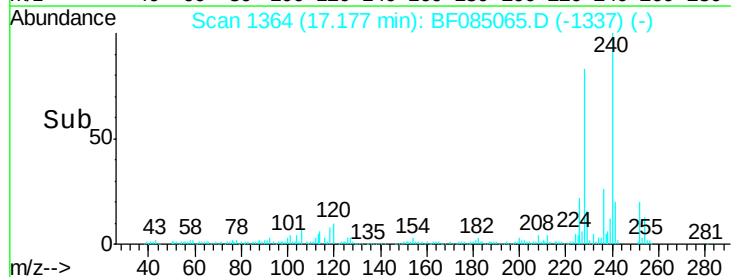
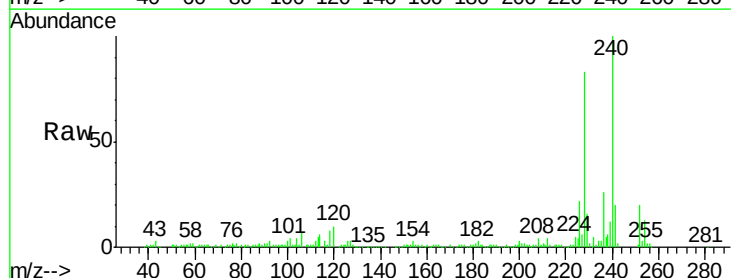
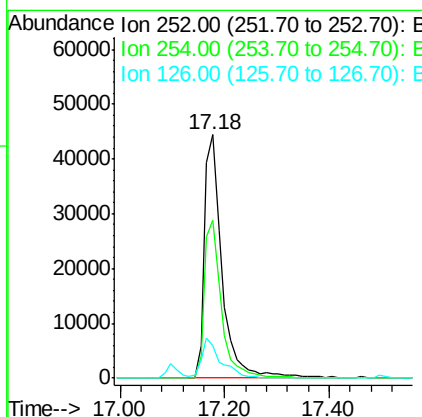
Manual Integrations
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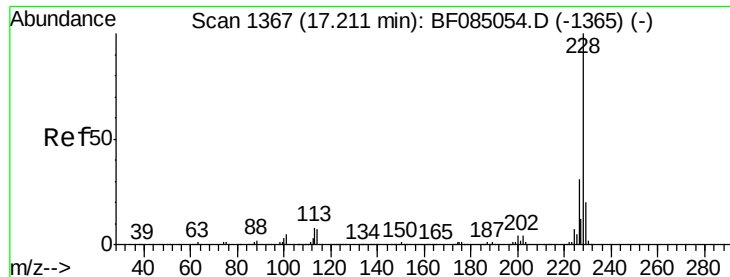
Sohil
2/15/2016 4:44:46 PM



#81
3,3'-Dichlorobenzidine
Concen: 18.21 ng
RT: 17.18 min Scan# 1364
Delta R.T. 0.01 min
Lab File: BF085065.D
Acq: 13 Feb 2016 3:48

Tgt Ion	Ratio	Lower	Upper
252	100		
254	64.8	52.9	79.3
126	13.2	10.6	16.0





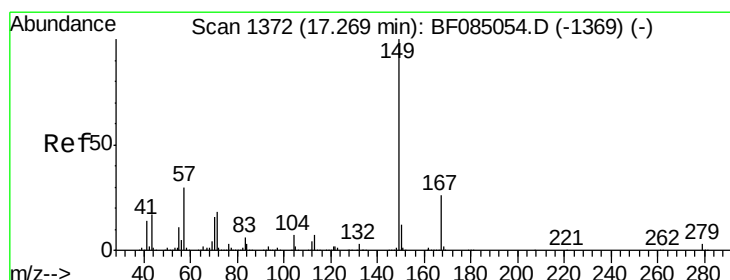
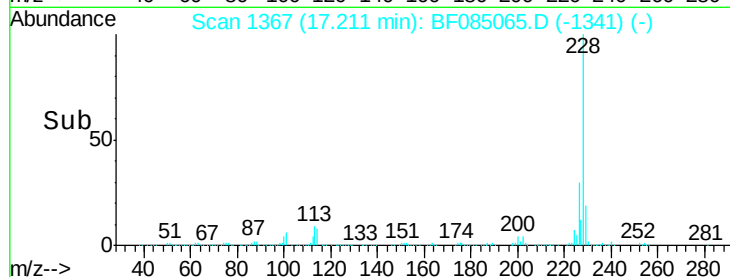
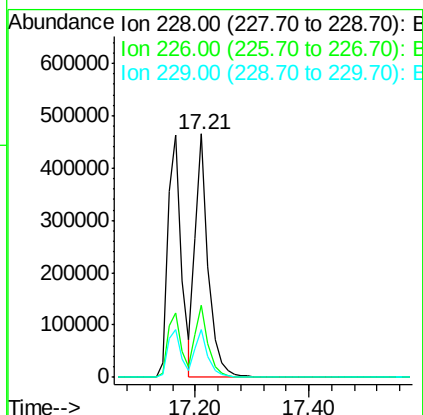
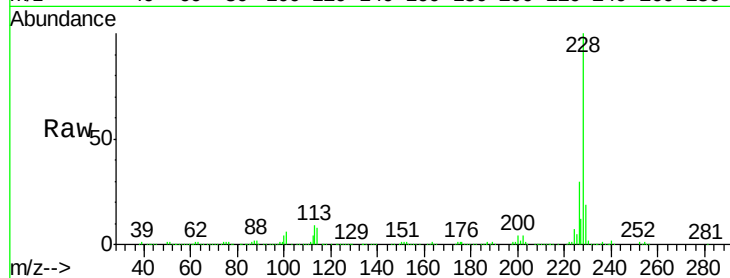
#82
Chrysene
Concen: 38.62 ng
RT: 17.21 min Scan# 1367
Delta R.T. -0.00 min
Lab File: BF085065.D
Acq: 13 Feb 2016 3:48

Instrument :
BNA_F
ClientSampleId :
S4-B003(10-12)MSD

Tot Ion	Ratio	Lower	Upper
228	100		
226	29.5	24.3	36.5
229	19.4	16.1	24.1

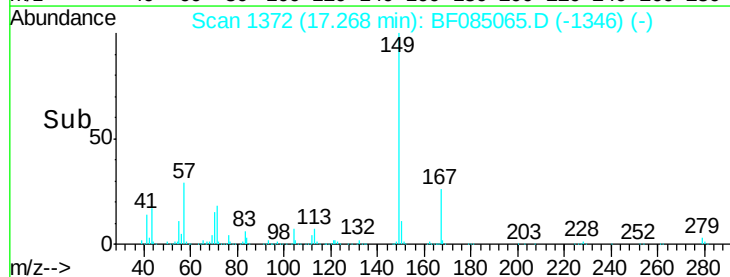
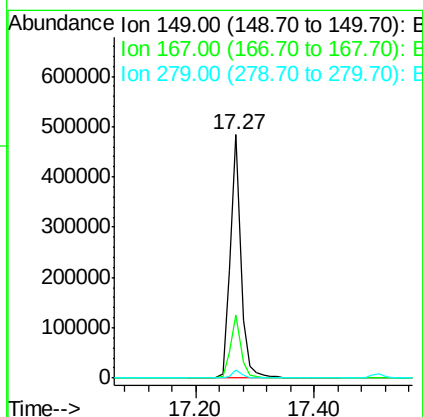
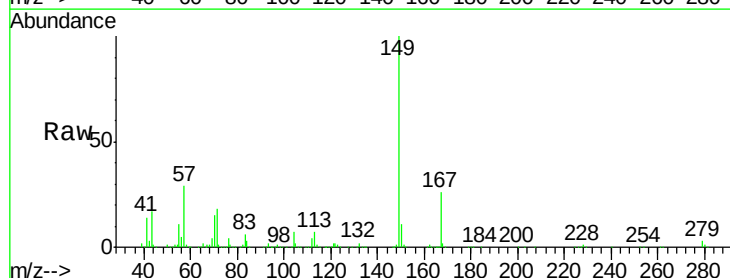
Manual Integrations
APPROVED

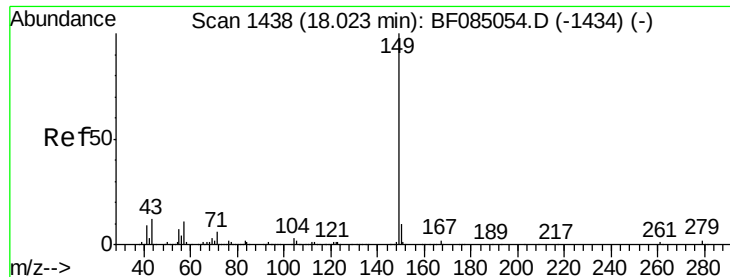
Sohil
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#83
Bis(2-ethylhexyl)phthalate
Concen: 39.96 ng
RT: 17.27 min Scan# 1372
Delta R.T. -0.00 min
Lab File: BF085065.D
Acq: 13 Feb 2016 3:48

Tgt Ion	Ratio	Lower	Upper
149	100		
167	25.8	21.0	31.6
279	3.3	2.4	3.6





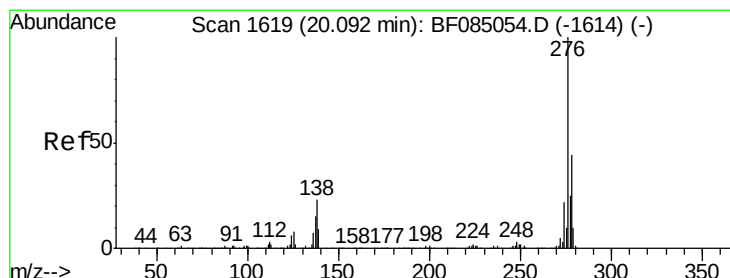
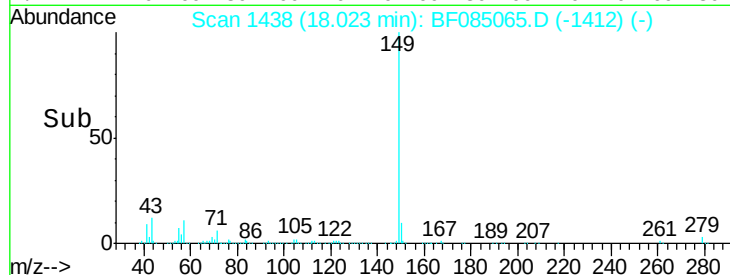
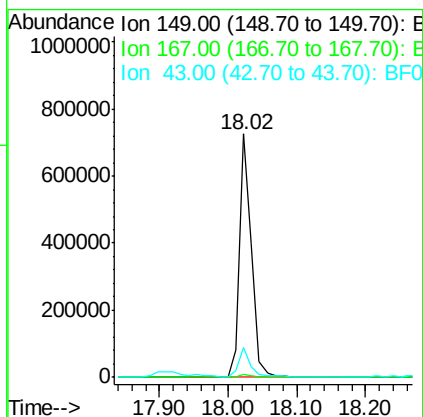
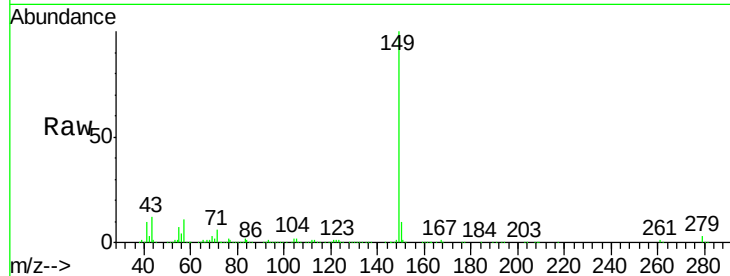
#84
Di-n-octyl phthalate
Concen: 41.41 ng
RT: 18.02 min Scan# 1438
Delta R.T. -0.00 min
Lab File: BF085065.D
Acq: 13 Feb 2016 3:48

Instrument :
BNA_F
ClientSampleId :
S4-B003(10-12)MSD

Tot Ion	Ion	Ratio	Resp	Lower	Upper
149	100		882769		
167	1.6		1.2	1.8	
43	11.0		9.0	13.6	

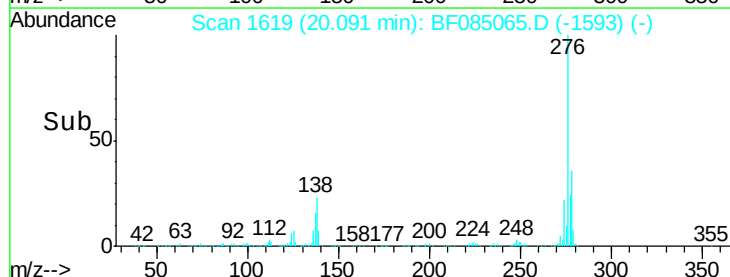
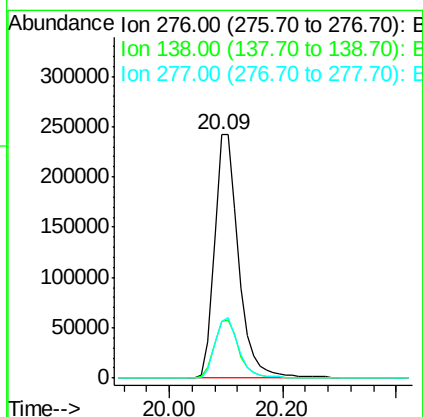
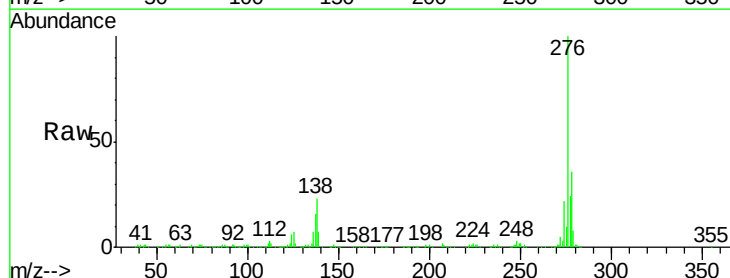
Manual Integrations
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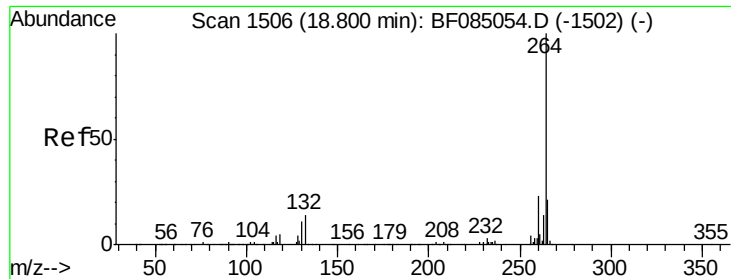
Sohil
2/15/2016 4:44:46 PM



#85
Indeno(1,2,3-cd)pyrene
Concen: 44.75 ng
RT: 20.09 min Scan# 1619
Delta R.T. -0.00 min
Lab File: BF085065.D
Acq: 13 Feb 2016 3:48

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
276	100		708357		
138	24.4		19.0	28.4	
277	24.6		20.0	30.0	





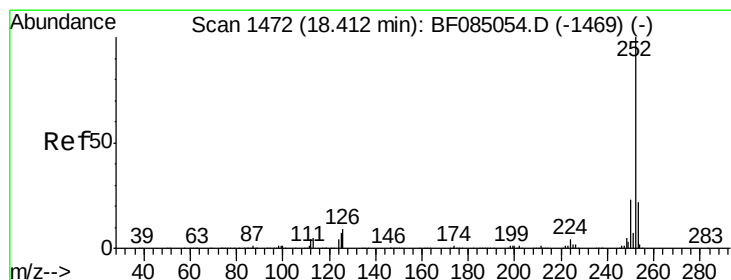
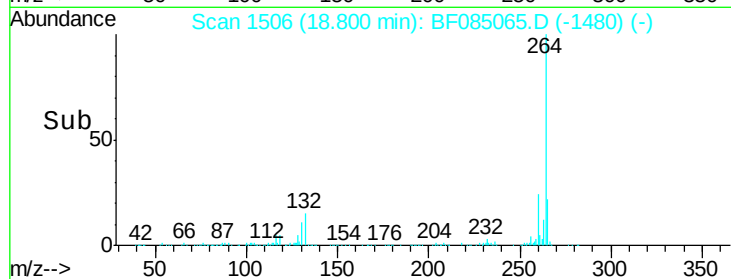
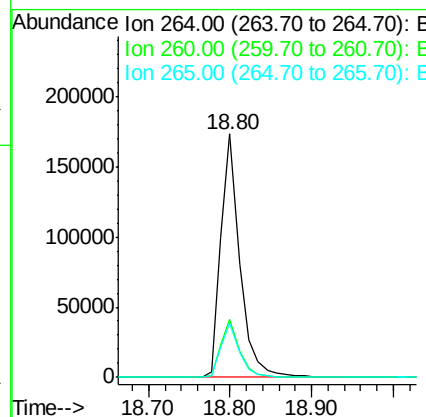
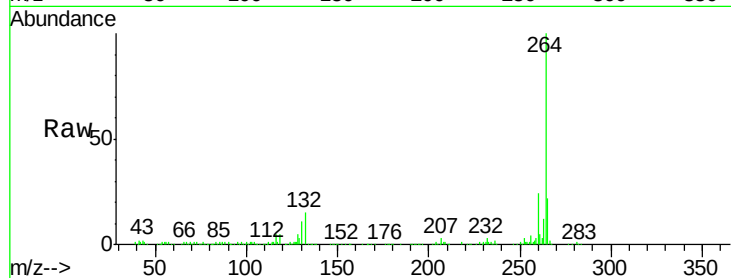
#86
Pervlene-d12
Concen: 20.00 ng
RT: 18.80 min Scan# 1506
Delta R.T. -0.00 min
Lab File: BF085065.D
Acq: 13 Feb 2016 3:48

Instrument :
BNA_F
ClientSampleId :
S4-B003(10-12)MSD

Tot Ion	Ratio	Lower	Upper
264	100		
260	23.7	18.5	27.7
265	22.3	16.7	25.1

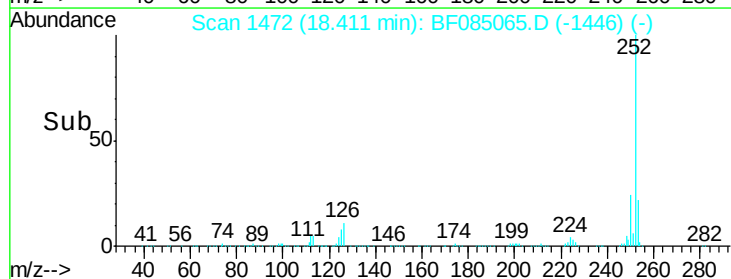
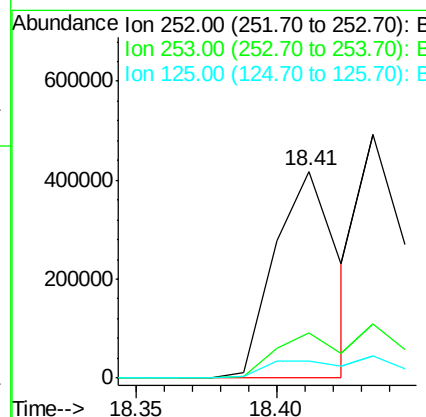
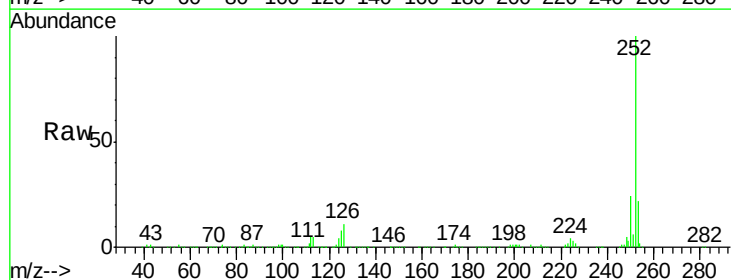
Manual Integrations
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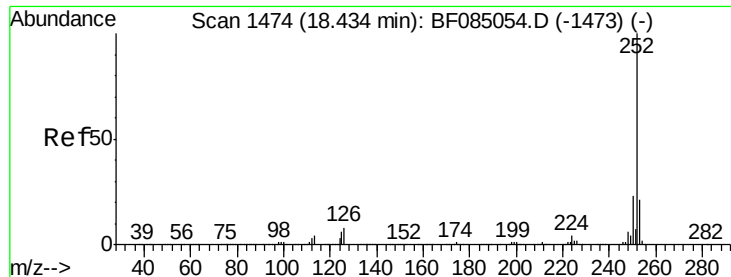
Sohil
2/15/2016 4:44:46 PM



#87
Benzo(b)fluoranthene
Concen: 35.03 ng m
RT: 18.41 min Scan# 1472
Delta R.T. -0.00 min
Lab File: BF085065.D
Acq: 13 Feb 2016 3:48

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.1	17.6	26.4
125	8.3	5.4	8.2#





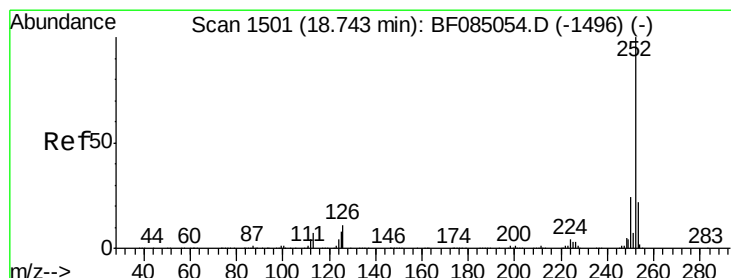
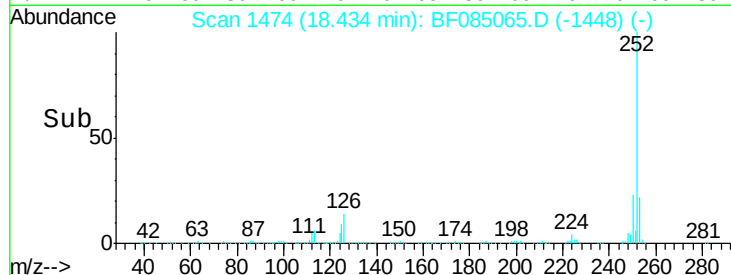
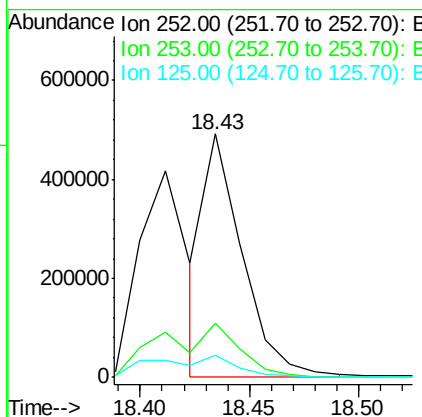
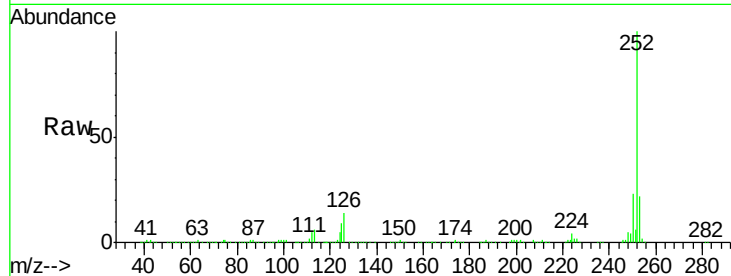
#88
Benzo(k)fluoranthene
Concen: 41.22 ng m
RT: 18.43 min Scan# 1474
Delta R.T. -0.00 min
Lab File: BF085065.D
Acq: 13 Feb 2016 3:48

Instrument :
BNA_F
ClientSampleId :
S4-B003(10-12)MSD

Tot Ion	Ratio	Lower	Upper
252	100		
253	22.2	17.4	26.0
125	9.3	7.2	10.8

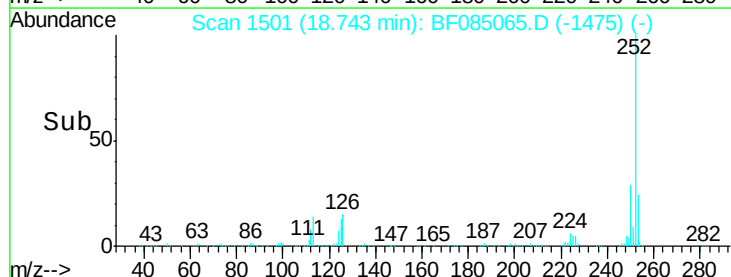
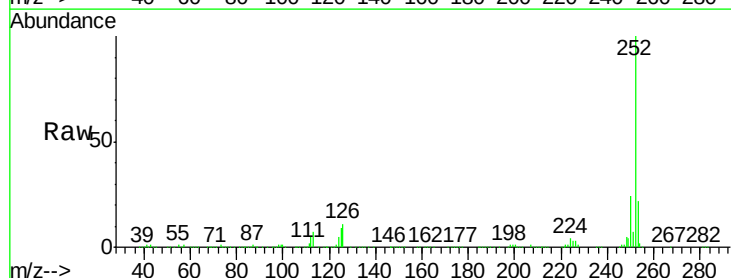
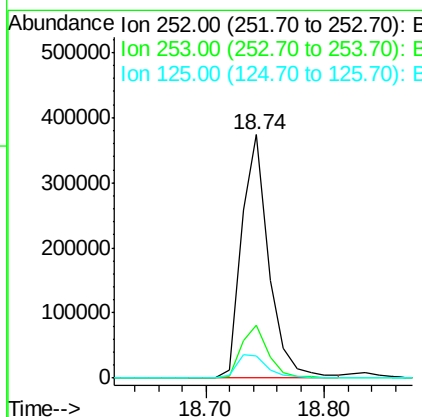
Manual Integrations
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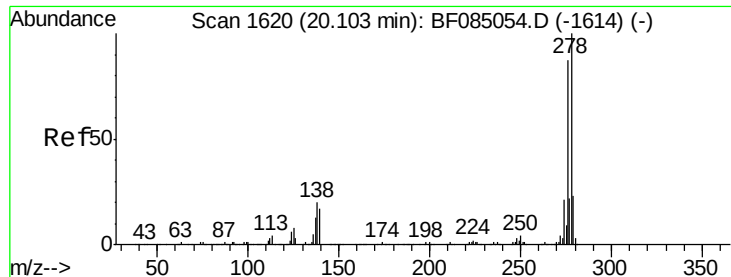
Sohil
2/15/2016 4:44:46 PM



#89
Benzo(a)pyrene
Concen: 38.39 ng
RT: 18.74 min Scan# 1501
Delta R.T. -0.00 min
Lab File: BF085065.D
Acq: 13 Feb 2016 3:48

Tgt Ion	Ratio	Lower	Upper
252	100		
253	21.9	17.7	26.5
125	8.9	6.1	9.1





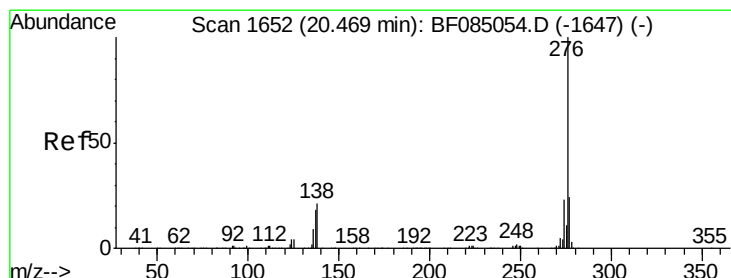
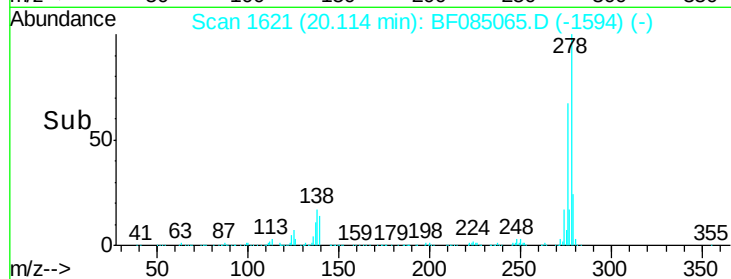
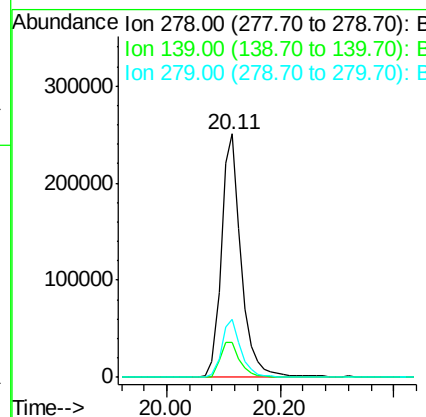
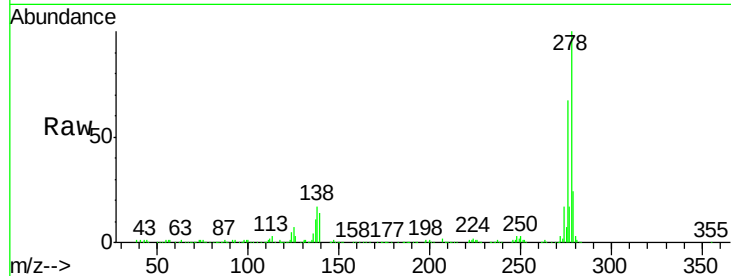
#90
Dibenzo(a,h)anthracene
Concen: 40.98 ng
RT: 20.11 min Scan# 1621
Delta R.T. 0.01 min
Lab File: BF085065.D
Acq: 13 Feb 2016 3:48

Instrument :
BNA_F
ClientSampleId :
S4-B003(10-12)MSD

Tot Ion	Ratio	Lower	Upper
278	100		
139	14.5	13.3	19.9
279	24.0	18.6	27.8

Manual Integrations
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2/15/2016 4:44:46 PM



#91
Benzo(g,h,i)perylene
Concen: 39.55 ng
RT: 20.48 min Scan# 1653
Delta R.T. 0.01 min
Lab File: BF085065.D
Acq: 13 Feb 2016 3:48

Tgt Ion	Ratio	Lower	Upper
276	100		
277	22.9	19.1	28.7
138	18.8	16.6	24.8

