

Data Path : Z:\HPCHEM1\BNA F\DATA\BF040816\
 Data File : BF086205.D
 Acq On : 9 Apr 2016 8:34
 Operator : UM/SJ
 Sample : H2339-01MSD
 Misc :
 ALS Vial : 44 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SUMPPUMP-5MSD

Manual Integrations
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Sohil
 4/11/2016 5:45:32 PM

Quant Time: Apr 11 01:08:37 2016
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF040216.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Apr 01 23:17:06 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.73	152	122160	20.00	ng	-0.05
21) Naphthalene-d8	8.02	136	475327	20.00	ng	-0.05
38) Acenaphthene-d10	9.77	164	201369	20.00	ng	-0.05
63) Phenanthrene-d10	11.24	188	300894	20.00	ng	-0.06
75) Chrysene-d12	13.88	240	238519	20.00	ng	-0.05
86) Perylene-d12	15.28	264	193167	20.00	ng	-0.06

System Monitoring Compounds

5) 2-Fluorophenol	5.34	112	819551	114.67	ng	-0.02
7) Phenol-d6	6.38	99	910697	100.32	ng	-0.03
23) Nitrobenzene-d5	7.30	82	658368	81.68	ng	-0.05
41) 2,4,6-Tribromophenol	10.56	330	195006	103.18	ng	-0.05
44) 2-Fluorobiphenyl	9.09	172	1073990	88.68	ng	-0.05
78) Terphenyl-d14	12.83	244	728508	71.80	ng	-0.05

Target Compounds

						Qvalue
2) 1,4-Dioxane	2.41	88	108426	32.00	ng	99
3) Pyridine	3.09	79	202476	26.69	ng	92
4) n-Nitrosodimethylamine	3.00	42	130267	39.05	ng	95
6) Aniline	6.40	93	212087	17.81	ng	# 1
8) 2-Chlorophenol	6.52	128	316615	37.15	ng	99
9) Benzaldehyde	6.28	77	67543	13.83	ng	94
10) Phenol	6.40	94	347820	33.59	ng	84
11) bis(2-Chloroethyl)ether	6.48	93	339228m	41.37	ng	
12) 1,3-Dichlorobenzene	6.67	146	333956m	36.97	ng	
13) 1,4-Dichlorobenzene	6.75	146	337526	36.27	ng	93
14) 1,2-Dichlorobenzene	6.90	146	313432	36.59	ng	99
15) Benzyl Alcohol	6.89	79	248661	42.34	ng	99
16) 2,2'-oxybis(1-Chloropropan	7.01	45	354901	35.43	ng	54
17) 2-Methylphenol	7.00	107	249097	37.07	ng	# 92
18) Hexachloroethane	7.23	117	107132	31.30	ng	# 79
19) n-Nitroso-di-n-propylamine	7.15	70	217283	38.62	ng	# 91
20) 3+4-Methylphenols	7.16	107	340294	41.64	ng	# 65
22) Acetophenone	7.15	105	457320	40.93	ng	# 89
24) Nitrobenzene	7.32	77	354686	40.22	ng	94
25) Isophorone	7.56	82	634194	39.86	ng	96
26) 2-Nitrophenol	7.64	139	157148	37.25	ng	92
27) 2,4-Dimethylphenol	7.69	122	308843	40.76	ng	97
28) bis(2-Chloroethoxy)methane	7.77	93	380613	40.77	ng	# 97
29) 2,4-Dichlorophenol	7.89	162	245976	38.40	ng	94
30) 1,2,4-Trichlorobenzene	7.96	180	273913	38.09	ng	93
31) Naphthalene	8.04	128	921944	38.56	ng	98
32) Benzoic acid	7.84	122	153118	27.54	ng	98
33) 4-Chloroaniline	8.10	127	152387	15.78	ng	98
34) Hexachlorobutadiene	8.16	225	144892	37.48	ng	99
35) Caprolactam	8.48	113	63582	31.29	ng	99
36) 4-Chloro-3-methylphenol	8.59	107	256000	35.55	ng	96
37) 2-Methylnaphthalene	8.73	142	586352	37.54	ng	99
39) 1,2,4,5-Tetrachlorobenzene	8.90	216	241063	39.83	ng	99
40) Hexachlorocyclopentadiene	8.88	237	30963	22.81	ng	97

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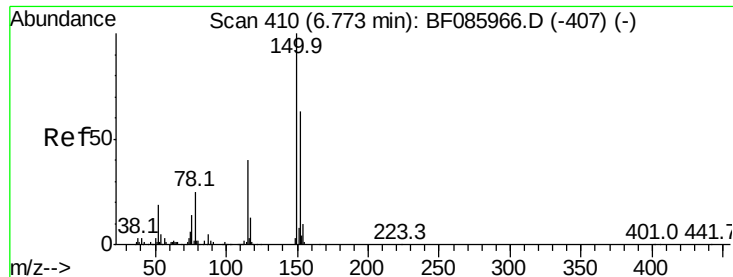
Manual Integrations
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) 2,4,6-Trichlorophenol	9.01	196	156576	40.29	nq	100
43) 2,4,5-Trichlorophenol	9.07	196	150194	38.06	nq	98
45) 1,1'-Biphenyl	9.20	154	702545	40.46	nq	94
46) 2-Chloronaphthalene	9.22	162	526107	41.80	nq	96
47) 2-Nitroaniline	9.32	65	162307	44.07	nq	97
48) Acenaphthylene	9.63	152	800278	39.69	nq	99
49) Dimethylphthalate	9.49	163	629829	42.20	nq	99
50) 2,6-Dinitrotoluene	9.56	165	112421	35.60	nq	97
51) Acenaphthene	9.80	154	481155	40.13	nq	98
52) 3-Nitroaniline	9.73	138	86738	22.79	nq	98
53) 2,4-Dinitrophenol	9.86	184	31264	24.11	nq	# 80
54) Dibenzofuran	9.97	168	673146	42.51	nq	99
55) 4-Nitrophenol	9.92	139	136151	60.68	nq	87
56) 2,4-Dinitrotoluene	9.97	165	139201	34.89	nq	# 56
57) Fluorene	10.32	166	517305	38.24	nq	99
58) 2,3,4,6-Tetrachlorophenol	10.10	232	123806	42.14	nq	93
59) Diethylphthalate	10.19	149	586388	38.93	nq	97
60) 4-Chlorophenyl-phenylether	10.30	204	239775	38.05	nq	97
61) 4-Nitroaniline	10.35	138	138265	36.89	nq	95
62) Azobenzene	10.46	77	616316	42.71	nq	99
64) 4,6-Dinitro-2-methylphenol	10.38	198	25405	13.93	nq	84
65) n-Nitrosodiphenylamine	10.43	169	465428	49.46	nq	99
66) 4-Bromophenyl-phenylether	10.80	248	145480	47.36	nq	# 90
67) Hexachlorobenzene	10.87	284	146569	46.14	nq	99
68) Atrazine	10.96	200	110391	36.31	nq	97
69) Pentachlorophenol	11.06	266	124199	83.42	nq	98
70) Phenanthrene	11.28	178	681572	41.52	nq	98
71) Anthracene	11.32	178	642253	37.35	nq	99
72) Carbazole	11.48	167	576223	38.98	nq	99
73) Di-n-butylphthalate	11.81	149	869621	47.48	nq	100
74) Fluoranthene	12.45	202	580755	34.02	nq	98
76) Benzidine	12.58	184	242488	28.82	nq	98
77) Pyrene	12.68	202	592845	35.27	nq	100
79) Butylbenzylphthalate	13.30	149	287695	38.01	nq	# 71
80) Benzo(a)anthracene	13.87	228	511726	36.40	nq	99
81) 3,3'-Dichlorobenzidine	13.84	252	152603	14.86	nq	97
82) Chrysene	13.91	228	476029	35.15	nq	100
83) Bis(2-ethylhexyl)phthalate	13.86	149	410999	40.92	nq	99
84) Di-n-octyl phthalate	14.48	149	719731	44.87	nq	99
85) Indeno(1,2,3-cd)pyrene	16.61	276	415613	37.82	nq	98
87) Benzo(b)fluoranthene	14.89	252	475240m	39.11	nq	
88) Benzo(k)fluoranthene	14.91	252	430224m	39.98	nq	
89) Benzo(a)pyrene	15.22	252	429046	39.85	nq	98
90) Dibenzo(a,h)anthracene	16.61	278	358658	41.40	nq	96
91) Benzo(g,h,i)perylene	17.01	276	332104	39.62	nq	96

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



#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.73 min Scan# 406

Delta R.T. -0.05 min

Lab File: BF086205.D

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BNA_F

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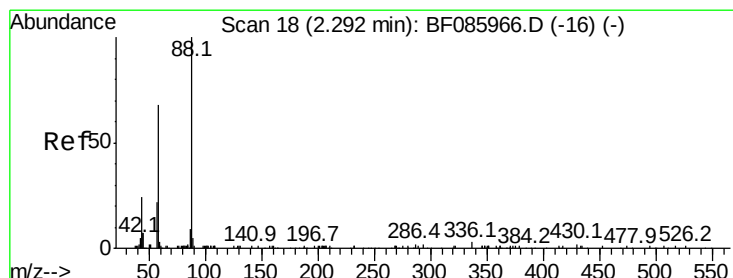
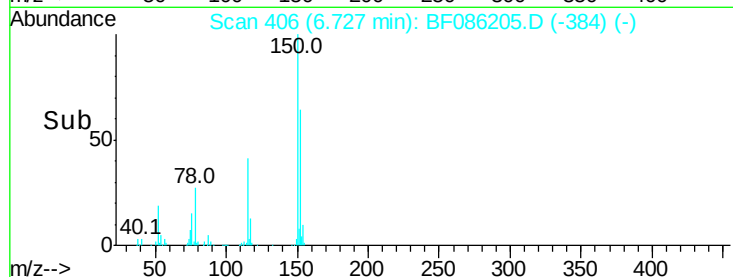
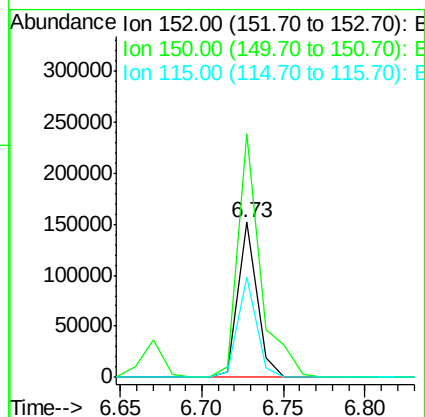
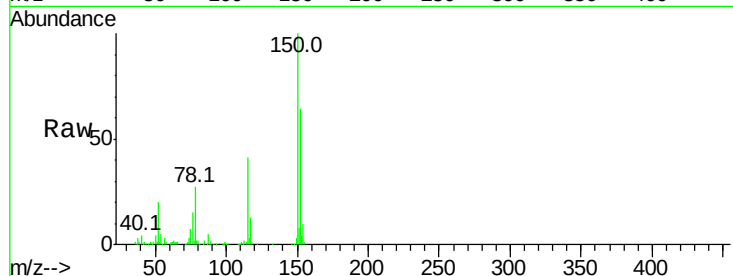
SUMPPUMP-5MSD

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Tot Ion:	152	Resp:	122160
Ion Ratio	Lower	Upper	
152	100		
150	157.3	124.2	186.2
115	64.8	47.0	70.6



#2

1,4-Dioxane

Concen: 32.00 ng

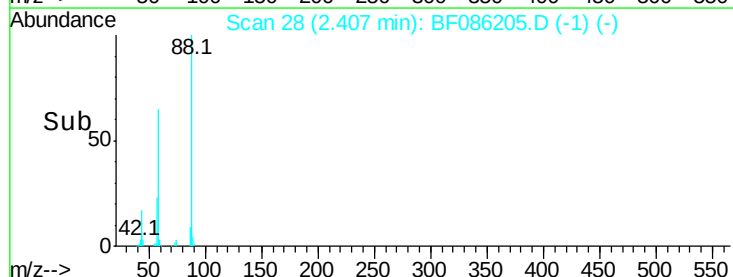
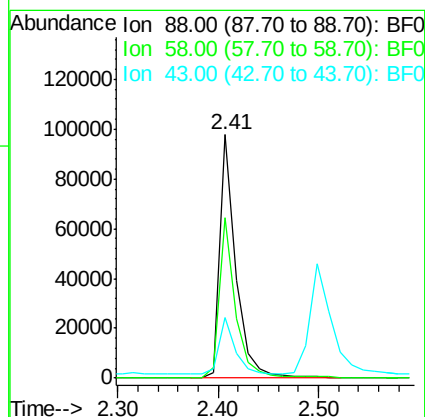
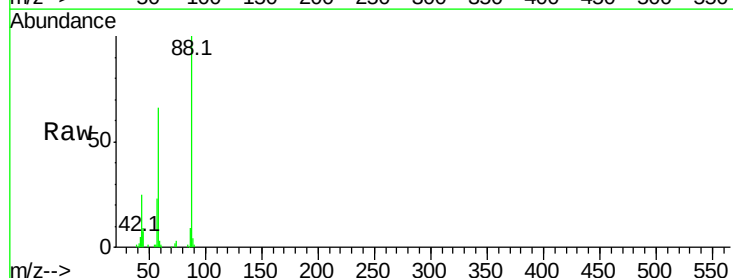
RT: 2.41 min Scan# 28

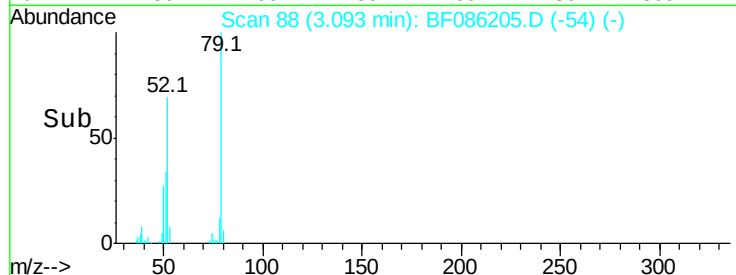
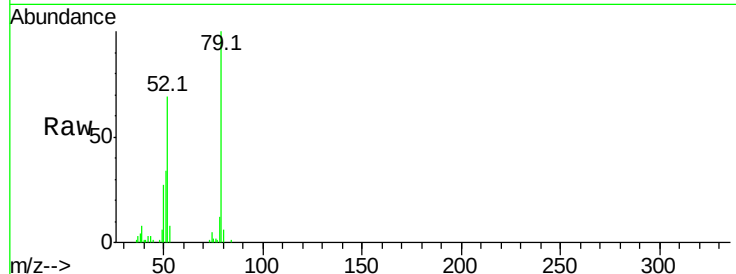
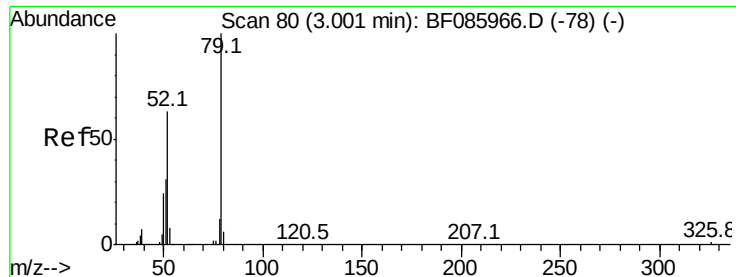
Delta R.T. 0.11 min

Lab File: BF086205.D

Acq: 9 Apr 2016 8:34

Tgt Ion:	88	Resp:	108426
Ion Ratio	Lower	Upper	
88	100		
58	67.9	54.2	81.2
43	23.2	19.3	28.9





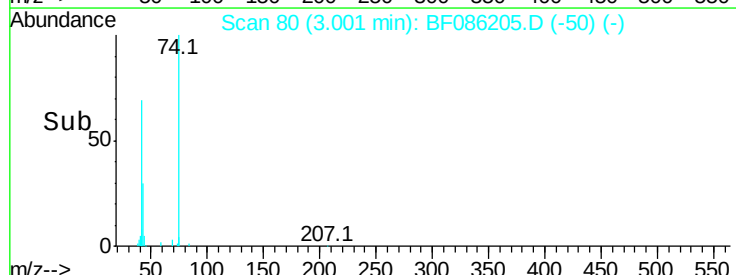
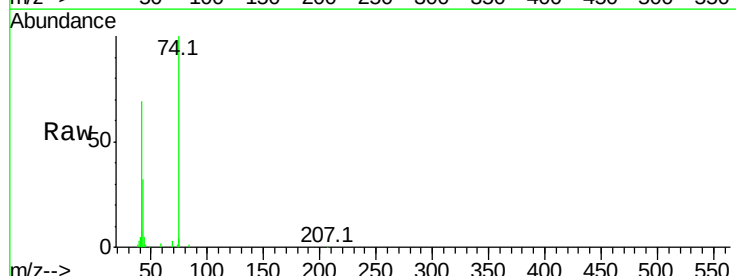
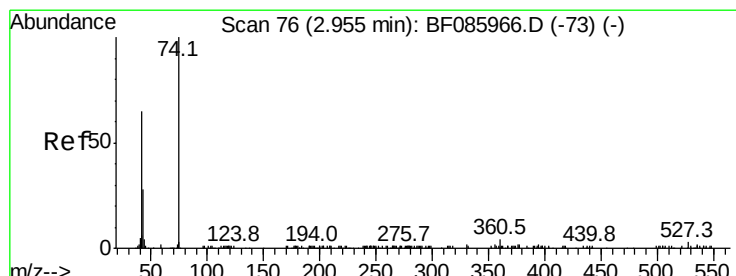
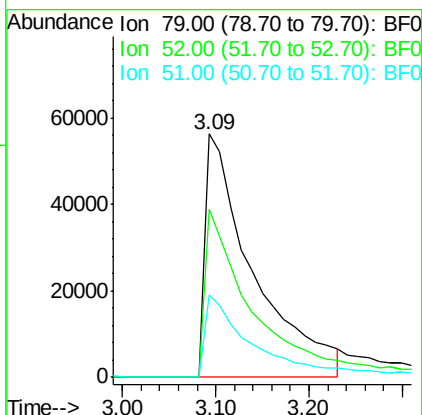
#3
 Pvridine
 Concen: 26.69 ng
 RT: 3.09 min Scan# 88
 Delta R.T. 0.09 min
 Lab File: BF086205.D
 Acq: 9 Apr 2016 8:34

Tot Ion	79	Resp	202476
Ion Ratio	Lower	Upper	
79	100		
52	69.3	49.8	74.6
51	34.1	24.7	37.1

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 BNA_F
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 SUMPPUMP-5MSD

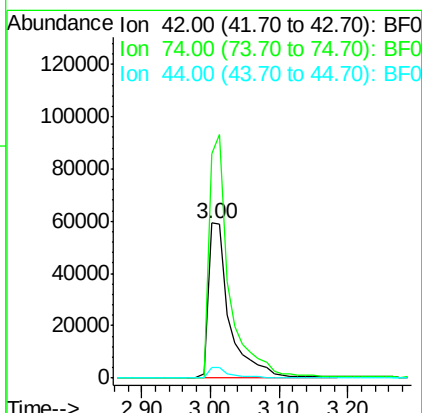
Manual Integrations
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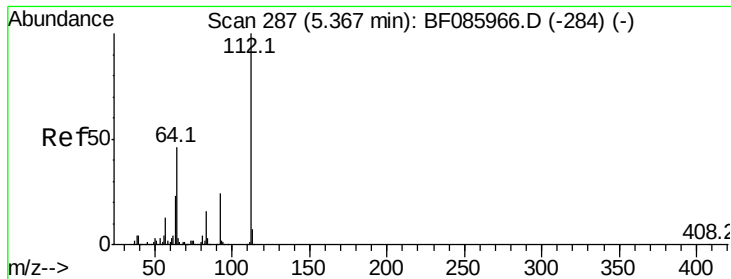
Sohil
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#4
 n-Nitrosodimethylamine
 Concen: 39.05 ng
 RT: 3.00 min Scan# 80
 Delta R.T. 0.05 min
 Lab File: BF086205.D
 Acq: 9 Apr 2016 8:34

Tgt Ion	42	Resp	130267
Ion Ratio	Lower	Upper	
42	100		
74	144.7	121.4	182.2
44	7.1	5.6	8.4





#5

2-Fluorophenol

Concen: 114.67 ng

RT: 5.34 min Scan# 285

Delta R.T. -0.02 min

Lab File: BF086205.D

Acq: 9 Apr 2016 8:34

Instrument :

BNA_F

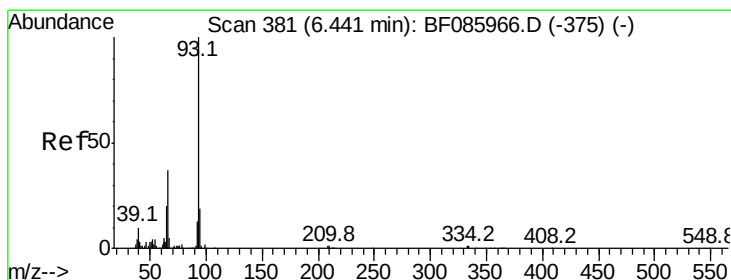
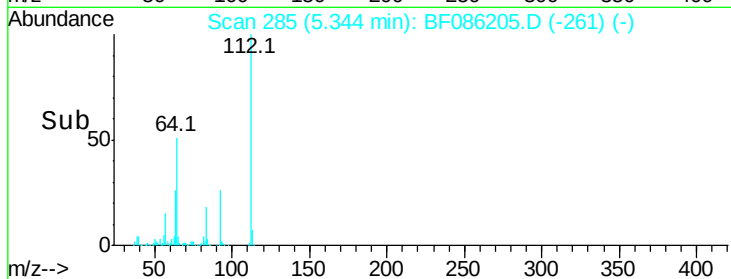
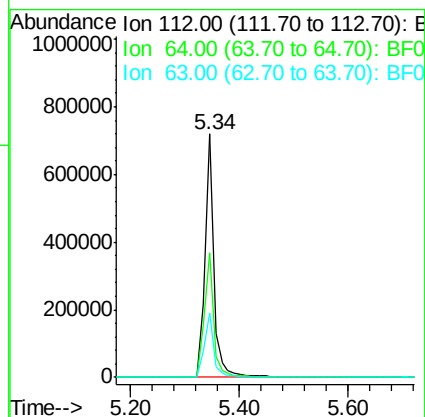
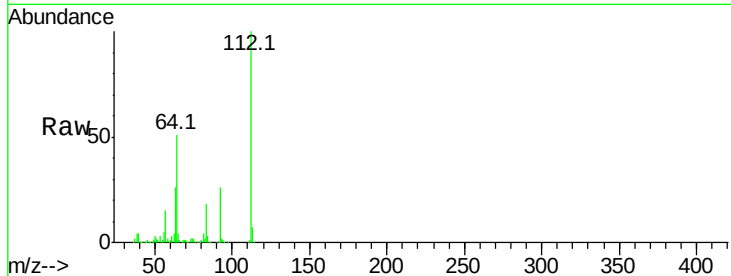
ClientSampleId :

SUMPPUMP-5MSD

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Tot Ion:	112	Resp:	819551
Ion Ratio	Lower	Upper	
112	100		
64	50.9	39.9	59.9
63	26.3	20.2	30.2



#6

Aniline

Concen: 17.81 ng

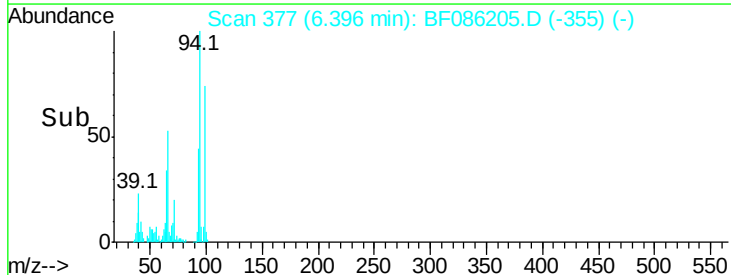
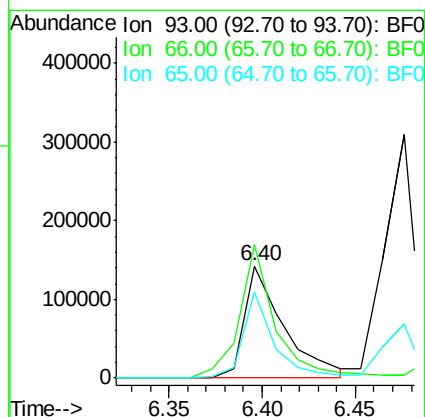
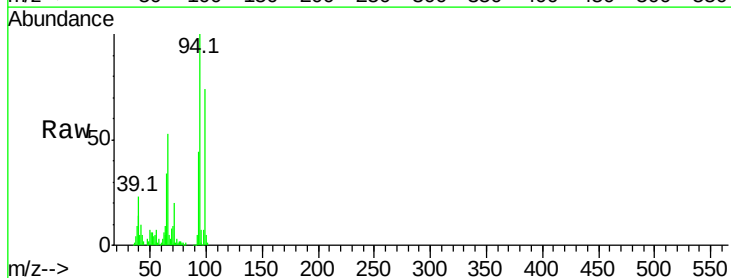
RT: 6.40 min Scan# 377

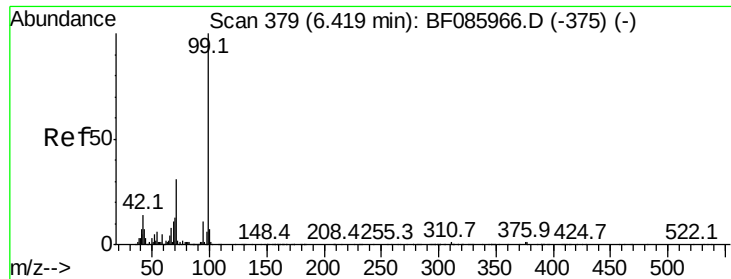
Delta R.T. -0.05 min

Lab File: BF086205.D

Acq: 9 Apr 2016 8:34

Tgt Ion:	93	Resp:	212087
Ion Ratio	Lower	Upper	
93	100		
66	119.4	31.4	47.2#
65	76.7	15.7	23.5#





#7

Phenol-d6

Concen: 100.32 ng

RT: 6.38 min Scan# 376

Delta R.T. -0.03 min

Lab File: BF086205.D

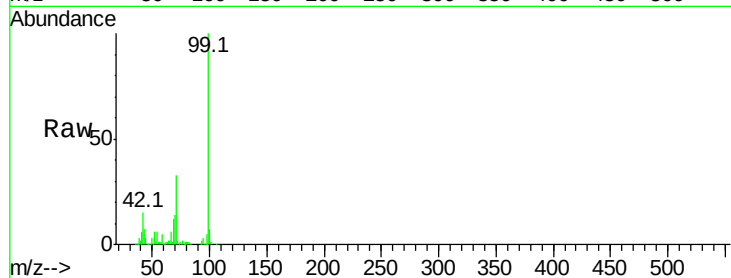
Acq: 9 Apr 2016 8:34

Instrument :

BNA_F

ClientSampleId :

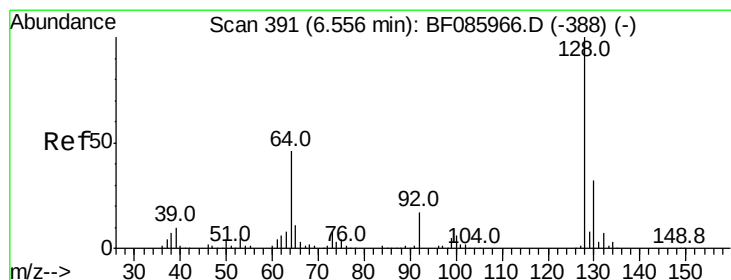
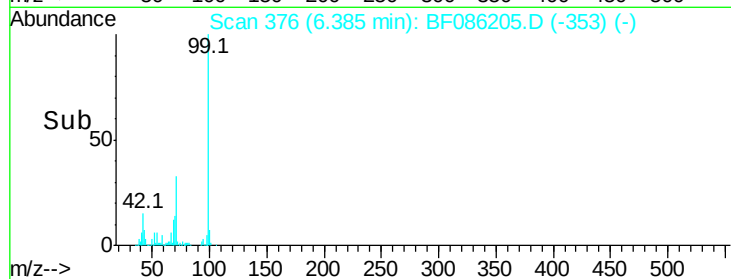
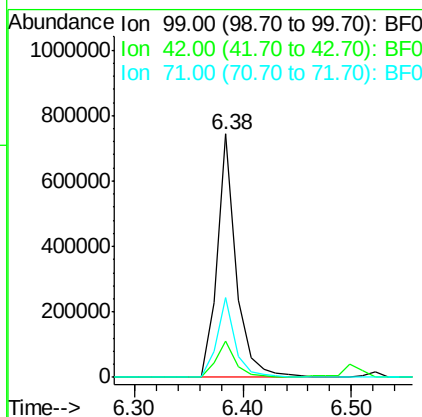
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Tot Ion	Ratio	Resp	Lower	Upper
99	100	910697		
42	14.9		11.1	16.7
71	32.7		24.9	37.3

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#8

2-Chlorophenol

Concen: 37.15 ng

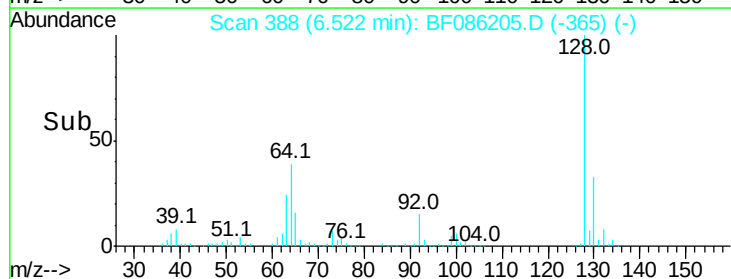
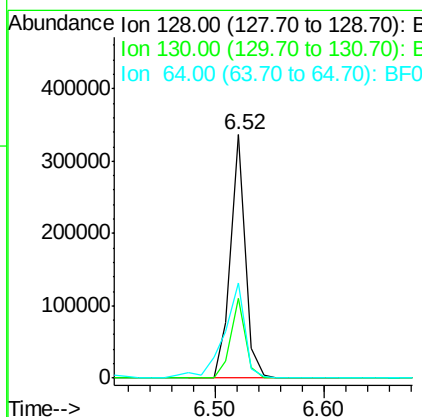
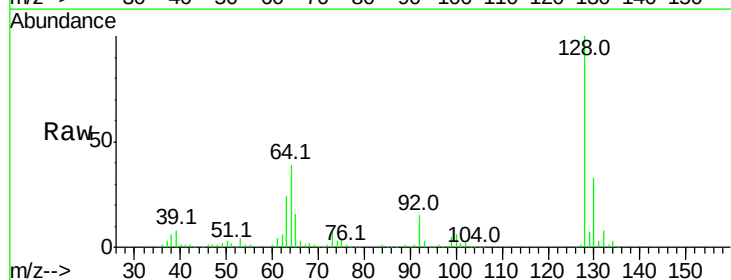
RT: 6.52 min Scan# 388

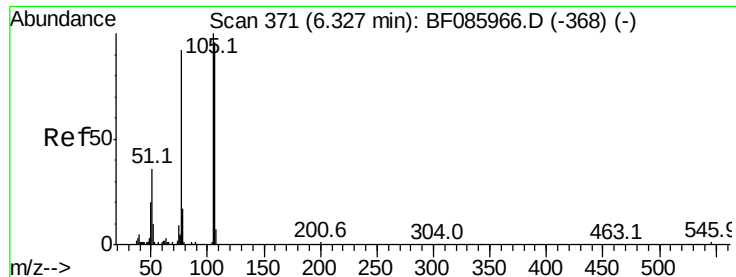
Delta R.T. -0.03 min

Lab File: BF086205.D

Acq: 9 Apr 2016 8:34

Tgt Ion	Ratio	Resp	Lower	Upper
128	100	316615		
130	32.9		12.9	52.9
64	39.2		20.2	60.2





#9

Benzaldehyde

Concen: 13.83 ng

RT: 6.28 min Scan# 367

Delta R.T. -0.05 min

Lab File: BF086205.D

Acq: 9 Apr 2016 8:34

Instrument :

BNA_F

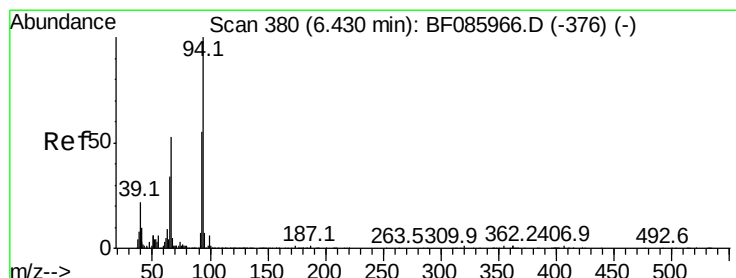
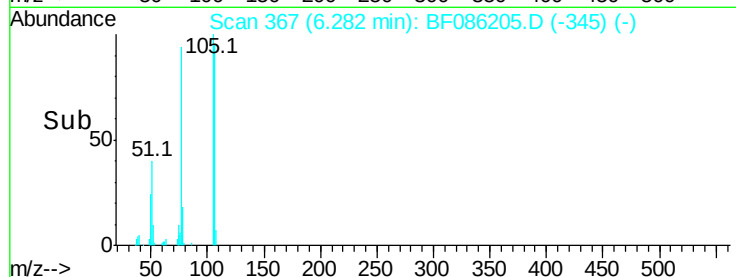
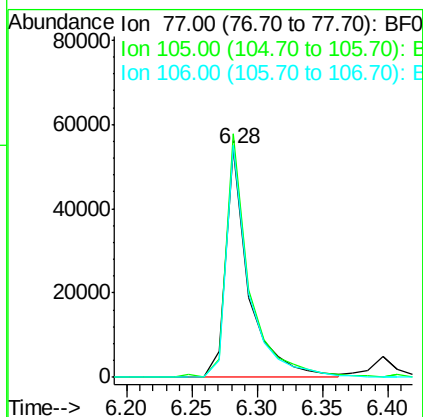
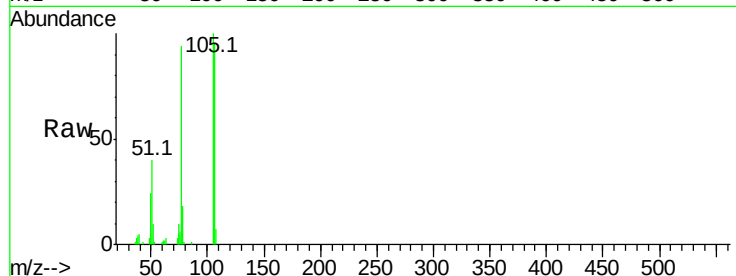
ClientSampleId :

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Tot Ion:	77	Resp:	67543
Ion	Ratio	Lower	Upper
77	100		
105	106.4	80.1	120.1
106	101.3	75.0	115.0



#10

Phenol

Concen: 33.59 ng

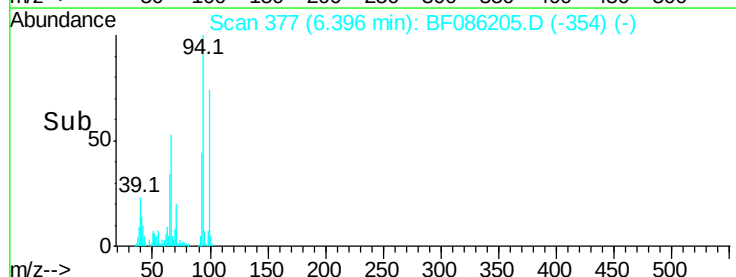
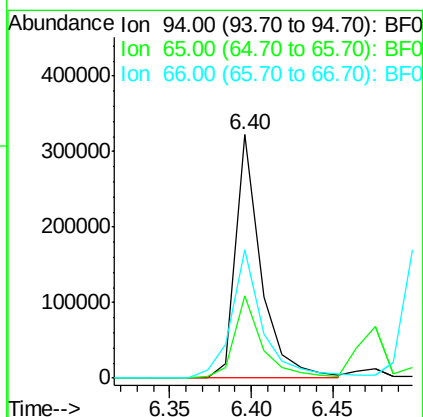
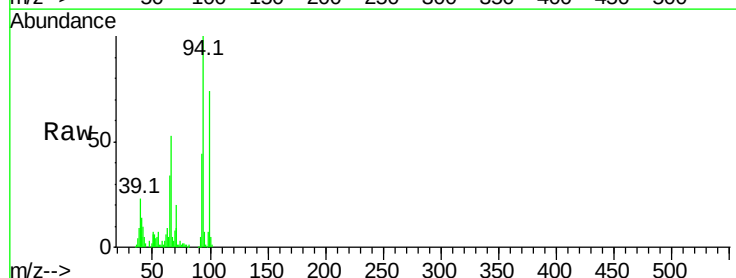
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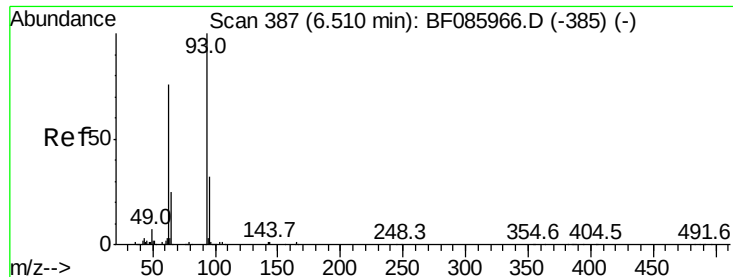
Delta R.T. -0.03 min

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Tgt Ion:	94	Resp:	347820
Ion	Ratio	Lower	Upper
94	100		
65	33.9	8.6	48.6
66	52.7	20.0	60.0





#11

bis(2-Chloroethyl)ether

Concen: 41.37 ng m

RT: 6.48 min Scan# 384

Delta R.T. -0.03 min

Lab File: BF086205.D

Acq: 9 Apr 2016 8:34

Instrument :

BNA_F

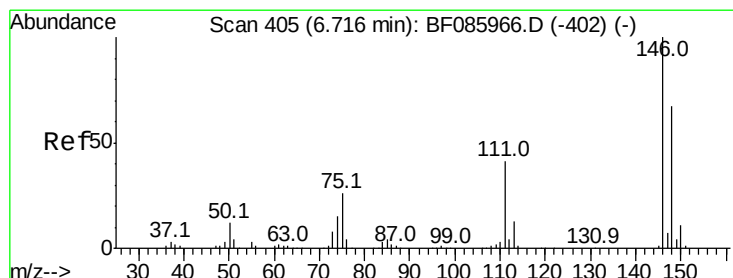
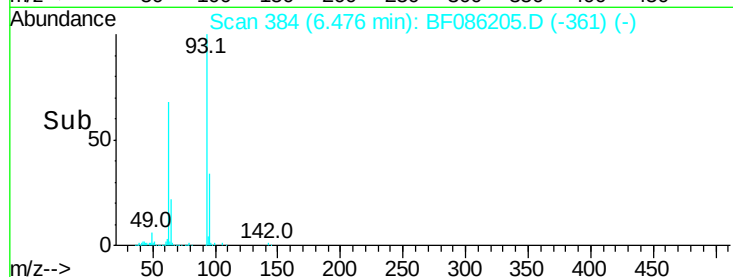
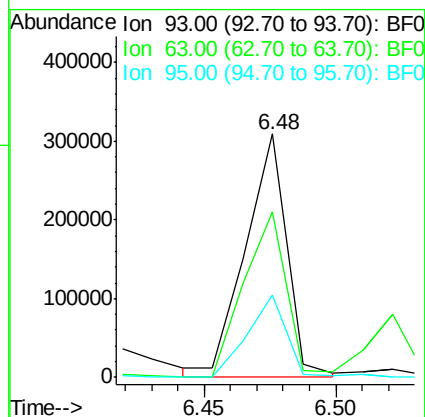
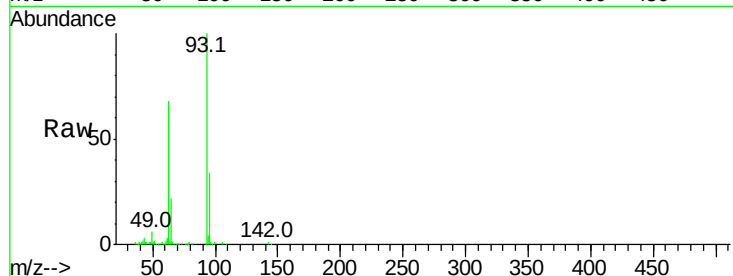
ClientSampleId :

SUMPPUMP-5MSD

Tot Ion	93	Resp	339228
Ion Ratio	Lower	Upper	
93	100		
63	68.0	50.9	90.9
95	33.6	13.3	53.3

Manual Integrations
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#12

1,3-Dichlorobenzene

Concen: 36.97 ng m

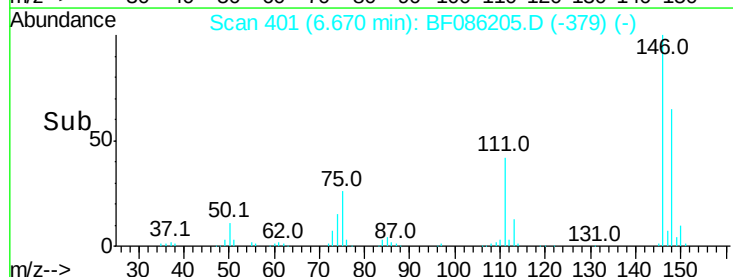
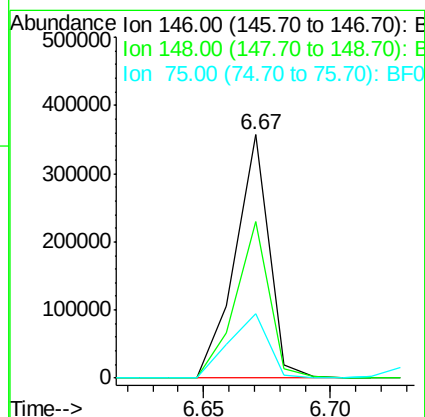
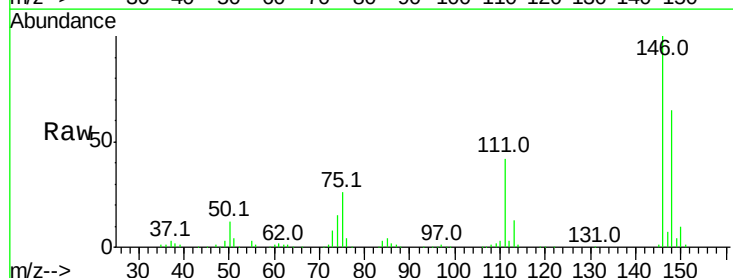
RT: 6.67 min Scan# 401

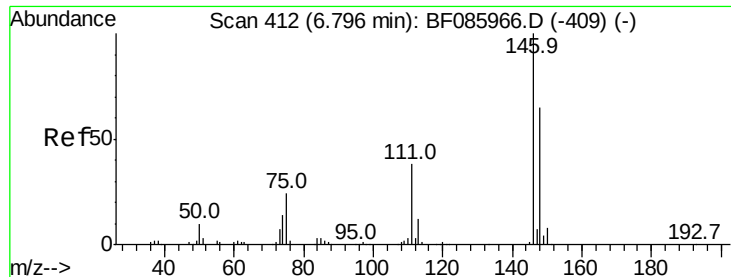
Delta R.T. -0.05 min

Lab File: BF086205.D

Acq: 9 Apr 2016 8:34

Tgt Ion	146	Resp	333956
Ion Ratio	Lower	Upper	
146	100		
148	64.5	52.3	78.5
75	26.3	17.4	26.2#





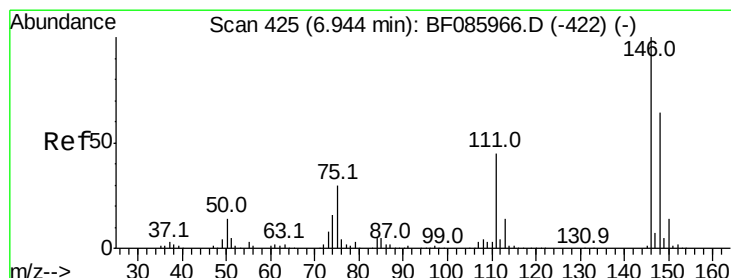
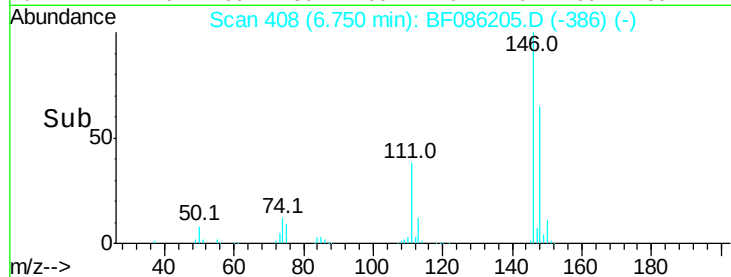
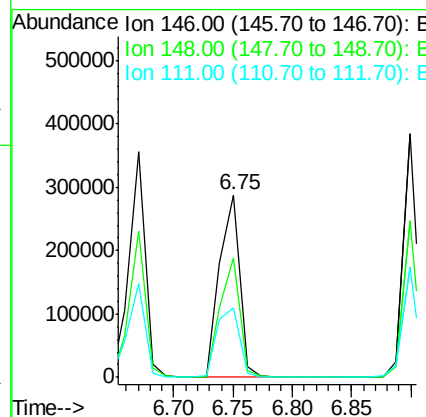
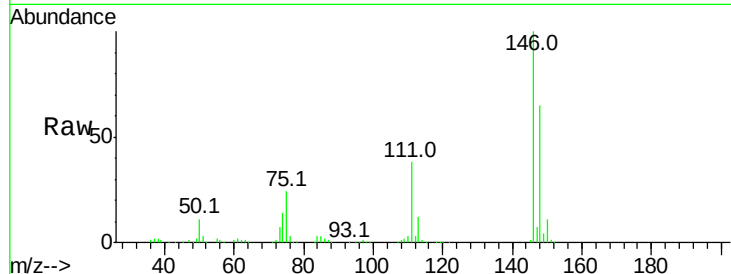
#13
 1,4-Dichlorobenzene
 Concen: 36.27 ng
 RT: 6.75 min Scan# 408
 Delta R.T. -0.05 min
 Lab File: BF086205.D
 Acq: 9 Apr 2016 8:34

Instrument :
 BNA_F
 ClientSampleId :
 SUMPPUMP-5MSD

Tot Ion	Ratio	Lower	Upper
146	100		
148	65.3	50.6	76.0
111	38.0	37.8	56.6

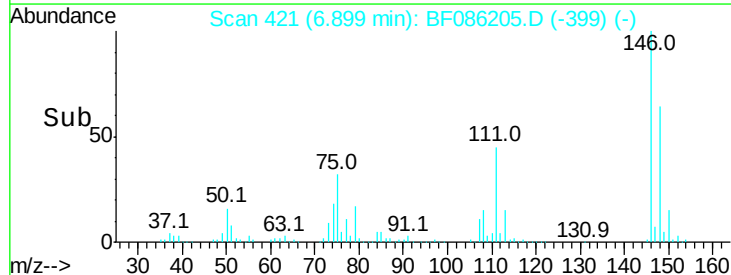
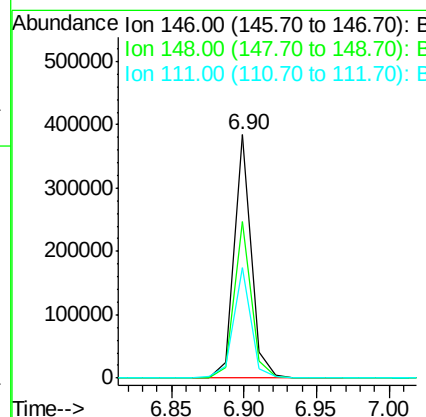
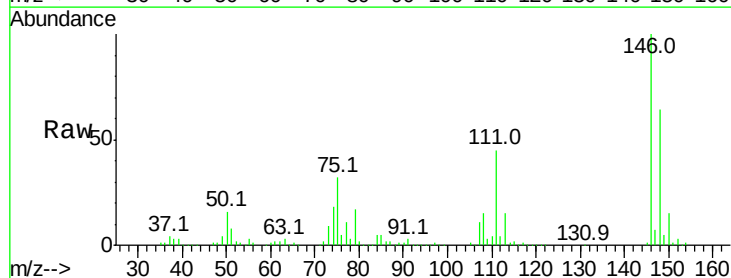
Manual Integrations
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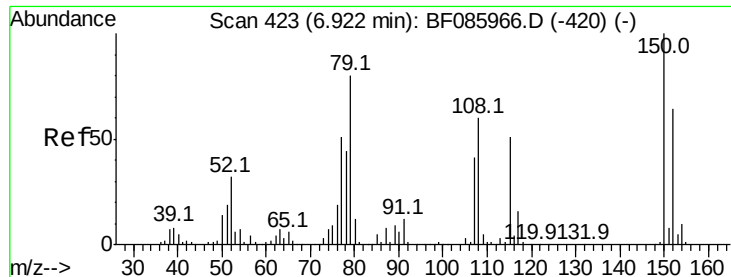
Sohil
 4/11/2016 5:45:32 PM



#14
 1,2-Dichlorobenzene
 Concen: 36.59 ng
 RT: 6.90 min Scan# 421
 Delta R.T. -0.05 min
 Lab File: BF086205.D
 Acq: 9 Apr 2016 8:34

Tgt Ion	Ratio	Lower	Upper
146	100		
148	64.3	51.4	77.2
111	45.4	34.6	52.0





#15

Benzyl Alcohol

Concen: 42.34 ng

RT: 6.89 min Scan# 420

Delta R.T. -0.03 min

Lab File: BF086205.D

Acq: 9 Apr 2016 8:34

Instrument :

BNA_F

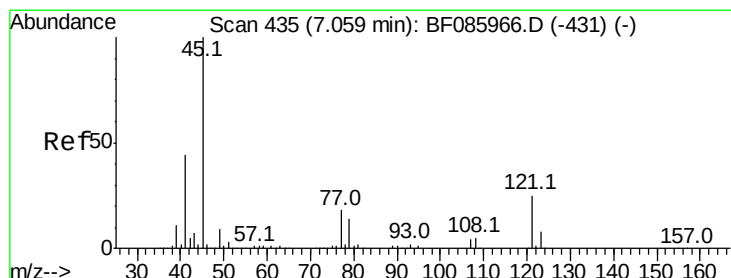
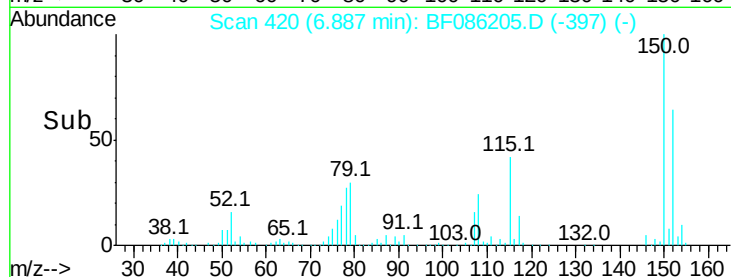
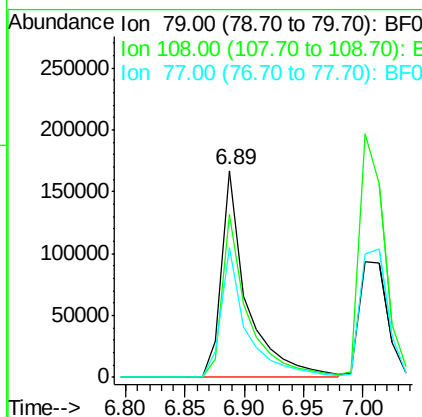
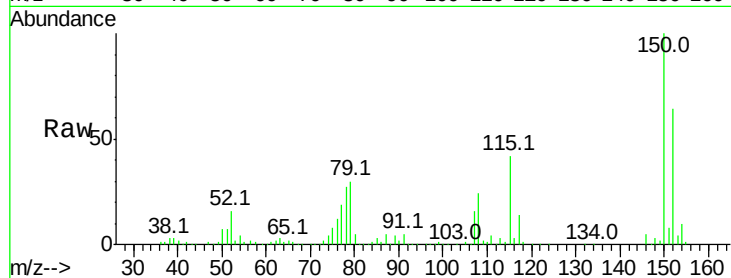
ClientSampleId :

SUMPPUMP-5MSD

Tot Ion:	79	Resp:	248661
Ion Ratio	Lower	Upper	
79	100		
108	78.7	61.8	92.6
77	62.7	49.6	74.4

Manual Integrations
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#16

2,2'-oxybis(1-chloropropane)

Concen: 35.43 ng

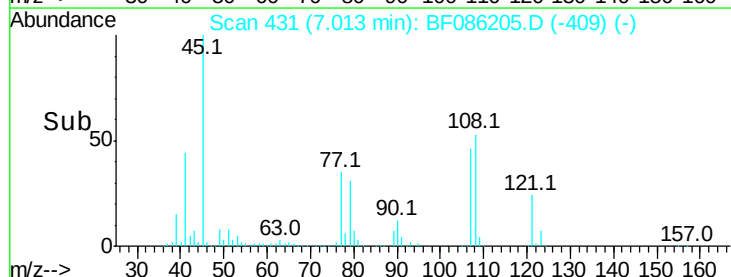
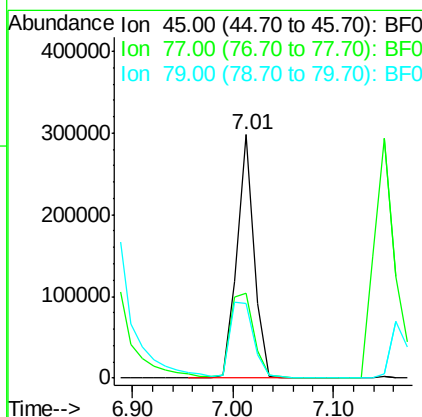
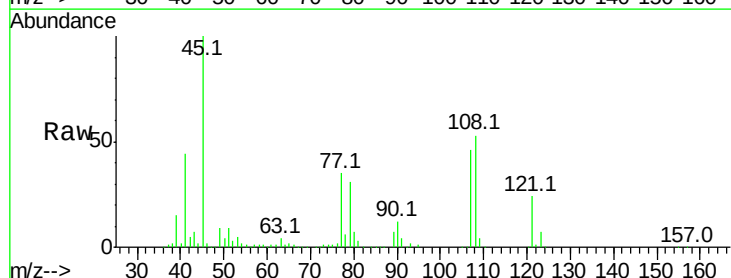
RT: 7.01 min Scan# 431

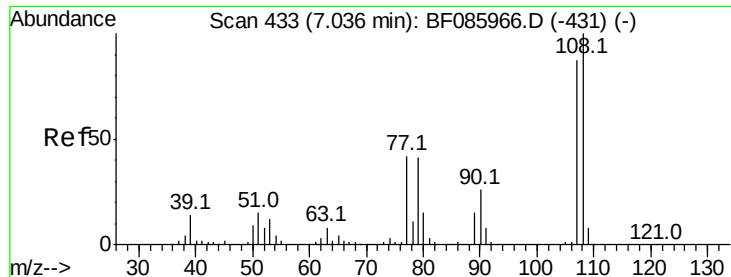
Delta R.T. -0.05 min

Lab File: BF086205.D

Acq: 9 Apr 2016 8:34

Tgt Ion:	45	Resp:	354901
Ion Ratio	Lower	Upper	
45	100		
77	34.7	0.0	35.7
79	30.9	0.0	32.2





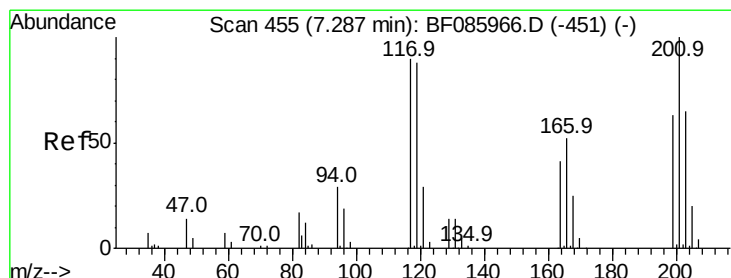
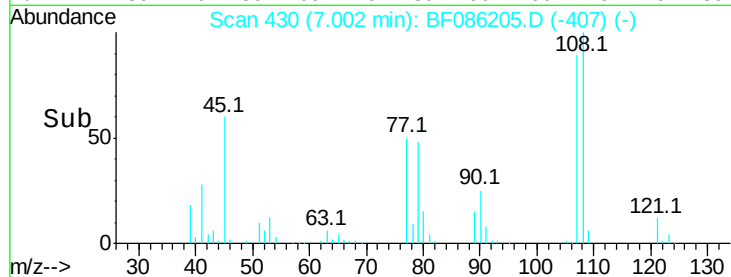
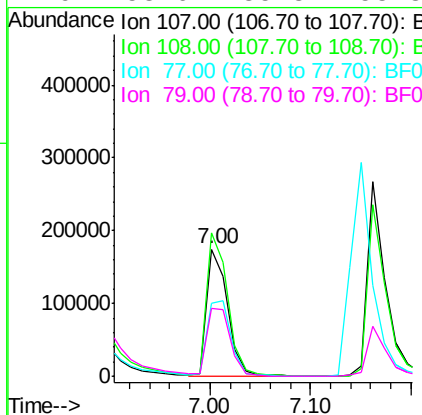
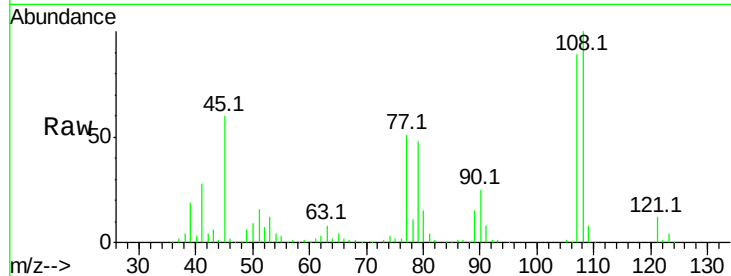
#17
2-Methylphenol
Concen: 37.07 ng
RT: 7.00 min Scan# 430
Delta R.T. -0.03 min
Lab File: BF086205.D
Acq: 9 Apr 2016 8:34

Instrument :
BNA_F
ClientSampleId :
SUMPPUMP-5MSD

Tot Ion	Ratio	Resp Lower	Resp Upper
107	100		
108	112.7	91.4	137.0
77	56.9	36.2	54.2#
79	53.6	35.8	53.8

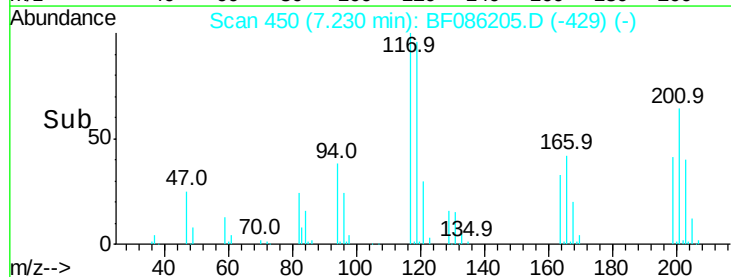
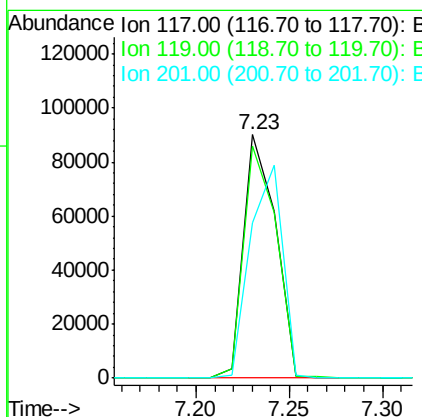
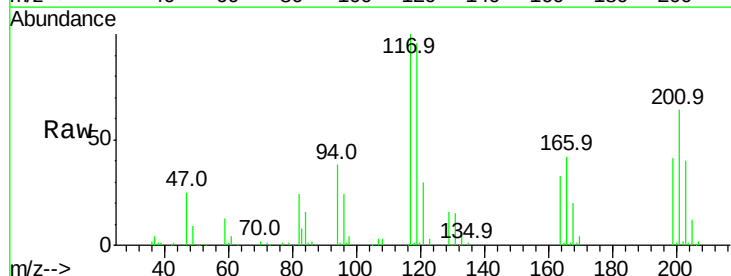
Manual Integrations
APPROVED

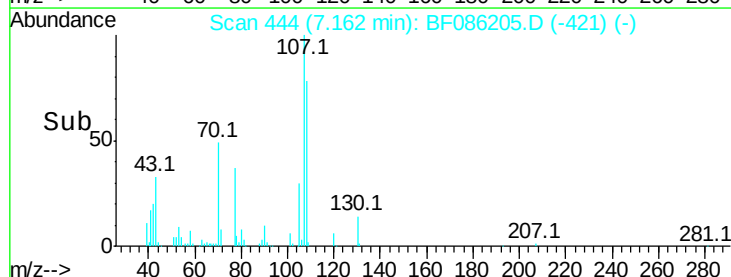
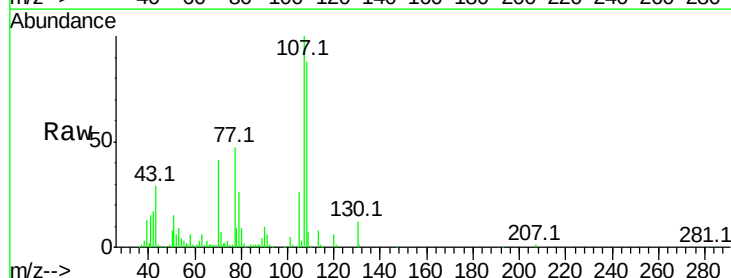
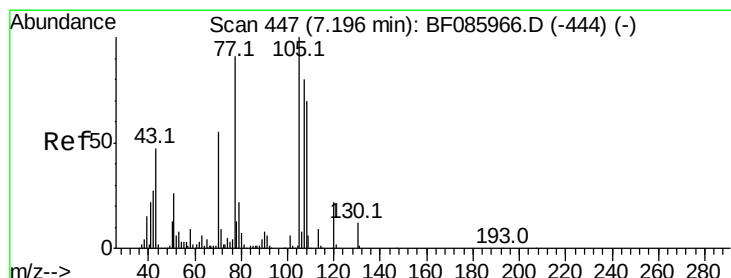
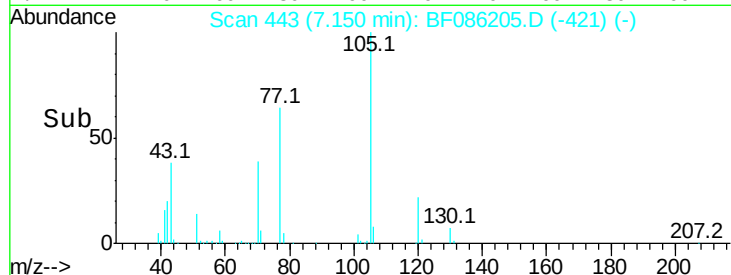
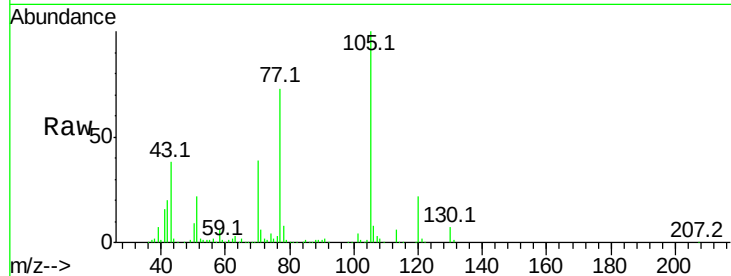
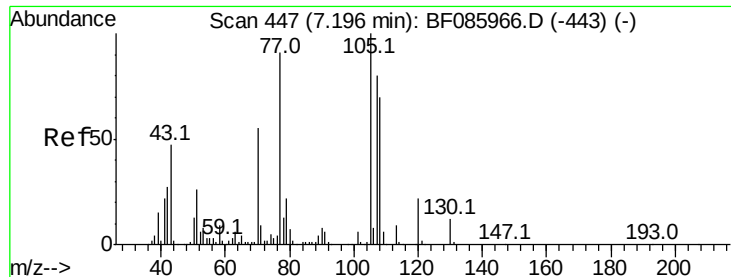
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#18
Hexachloroethane
Concen: 31.30 ng
RT: 7.23 min Scan# 450
Delta R.T. -0.06 min
Lab File: BF086205.D
Acq: 9 Apr 2016 8:34

Tgt Ion	Ratio	Resp Lower	Resp Upper
117	100		
119	95.5	76.7	115.1
201	63.6	83.3	124.9#





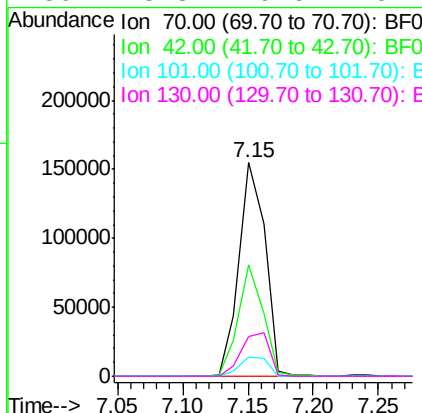
#19
n-Nitroso-di-n-propylamine
Concen: 38.62 ng
RT: 7.15 min Scan# 443
Delta R.T. -0.05 min
Lab File: BF086205.D
Acq: 9 Apr 2016 8:34

Instrument :
BNA_F
ClientSampleId :
SUMPPUMP-5MSD

Tot Ion	Ratio	Lower	Upper
70	100		
42	52.0	37.1	55.7
101	9.3	8.6	12.8
130	18.3	19.6	29.4#

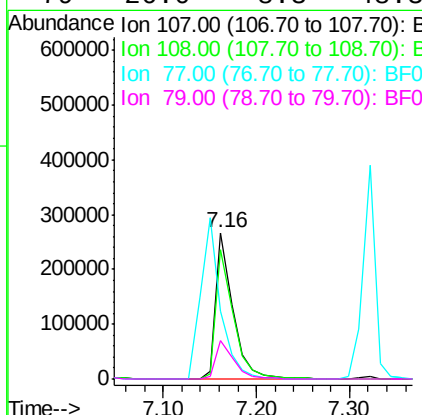
Manual Integrations
APPROVED

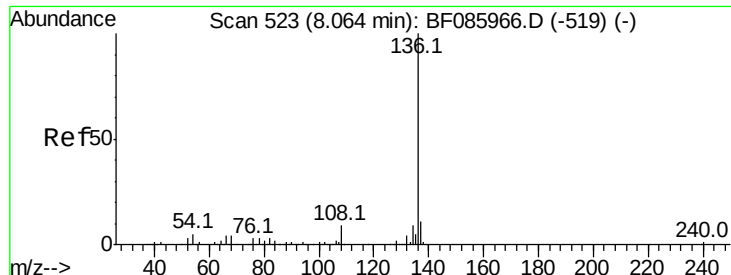
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#20
3+4-Methylphenols
Concen: 41.64 ng
RT: 7.16 min Scan# 444
Delta R.T. -0.03 min
Lab File: BF086205.D
Acq: 9 Apr 2016 8:34

Tgt Ion	Ratio	Lower	Upper
107	100		
108	88.4	69.3	109.3
77	46.7	101.7	141.7#
79	26.0	8.3	48.3





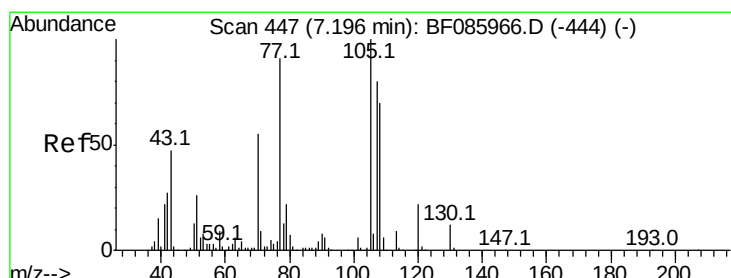
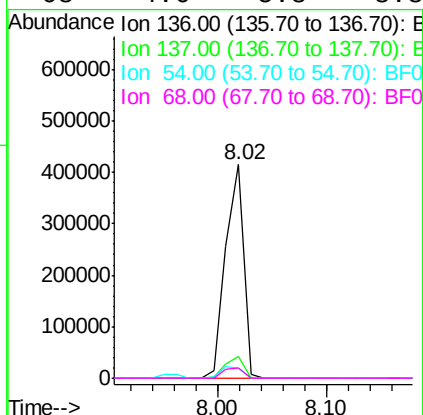
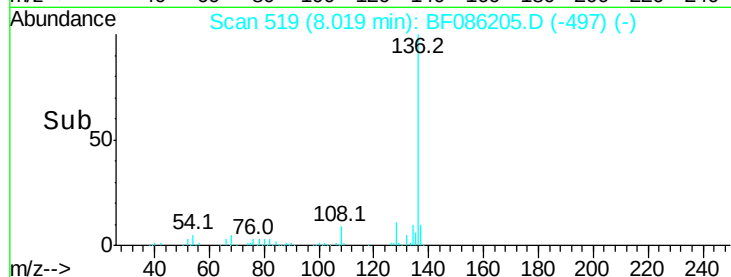
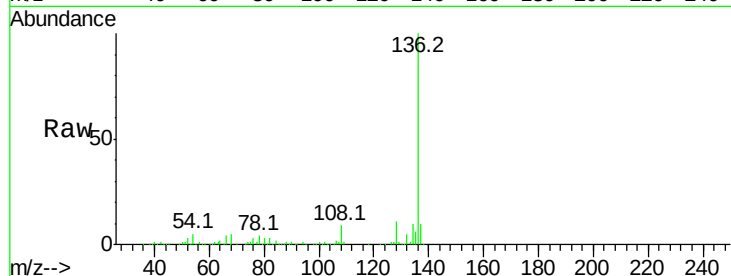
#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.02 min Scan# 519
Delta R.T. -0.05 min
Lab File: BF086205.D
Acq: 9 Apr 2016 8:34

Instrument :
BNA_F
ClientSampleId :
SUMPPUMP-5MSD

Tot Ion	Ratio	Resp	Lower	Upper
136	100			
137	10.3	9.1	13.7	
54	4.9	7.4	11.0	
68	4.6	5.8	8.8	

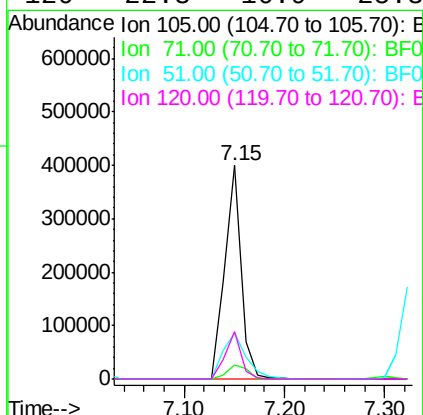
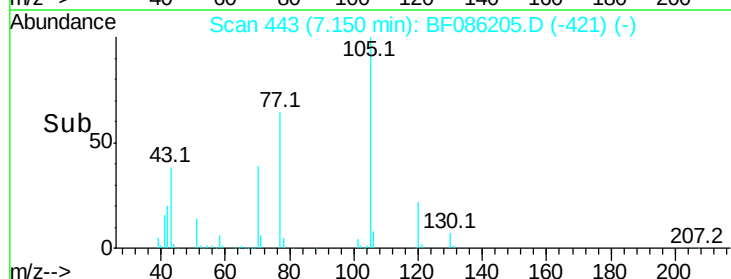
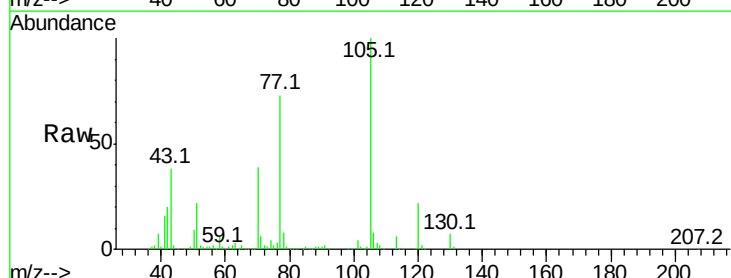
Manual Integrations
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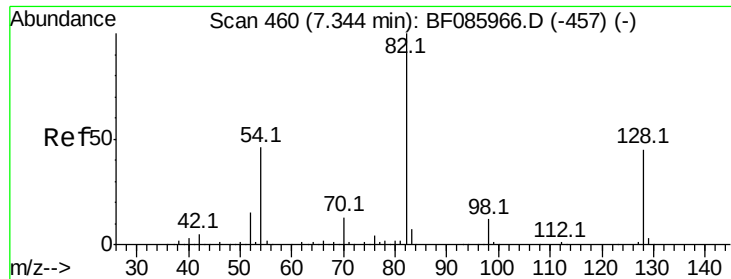
Sohil
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#22
Acetophenone
Concen: 40.93 ng
RT: 7.15 min Scan# 443
Delta R.T. -0.05 min
Lab File: BF086205.D
Acq: 9 Apr 2016 8:34

Tgt Ion	Ratio	Resp	Lower	Upper
105	100			
71	6.5	3.6	5.4	
51	21.7	25.4	38.0	
120	22.3	16.9	25.3	





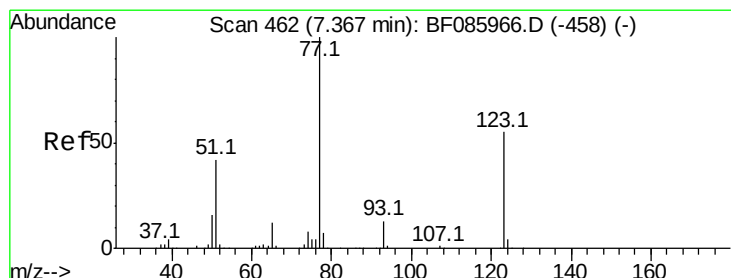
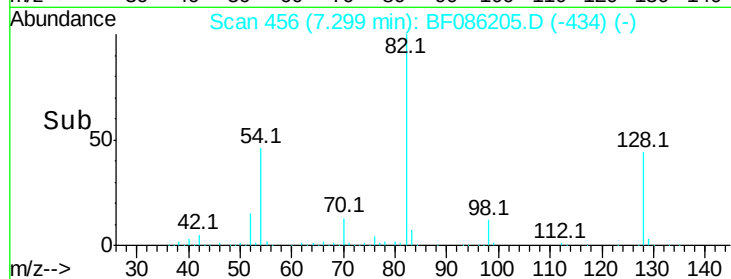
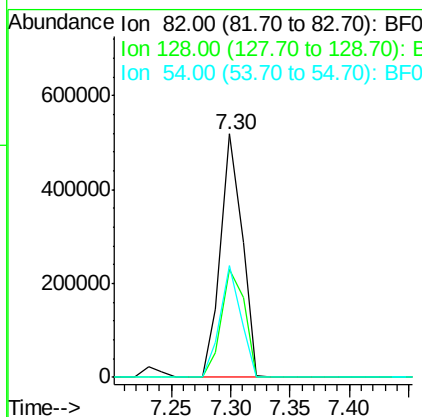
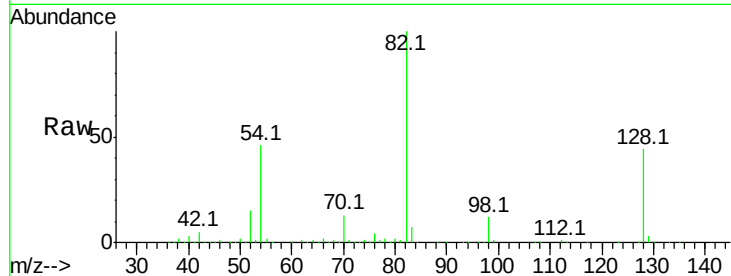
#23
 Nitrobenzene-d5
 Concen: 81.68 ng
 RT: 7.30 min Scan# 456
 Delta R.T. -0.05 min
 Lab File: BF086205.D
 Acq: 9 Apr 2016 8:34

Instrument :
 BNA_F
 ClientSampleId :
 SUMPPUMP-5MSD

Tot Ion	Ratio	Resp	Lower	Upper
82	100			
128	44.3	41.8	62.8	
54	45.8	33.4	50.0	

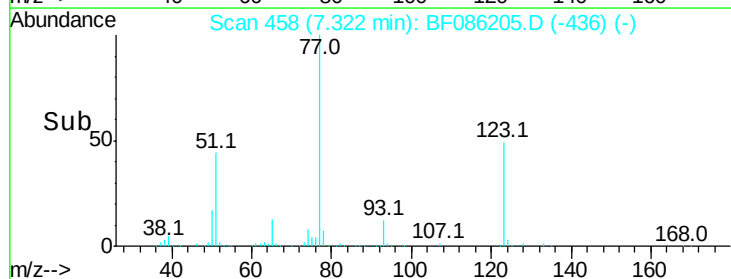
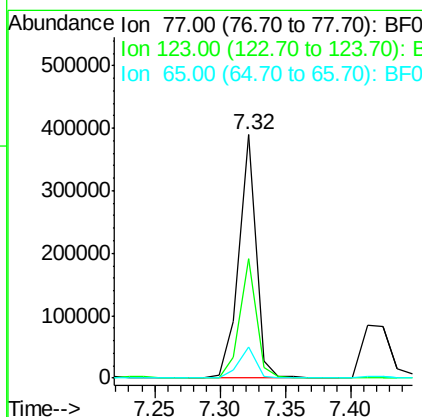
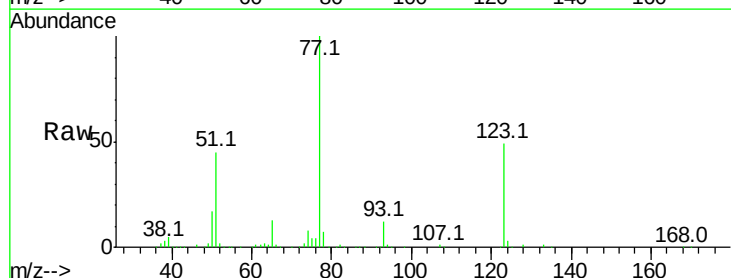
Manual Integrations
 APPROVED

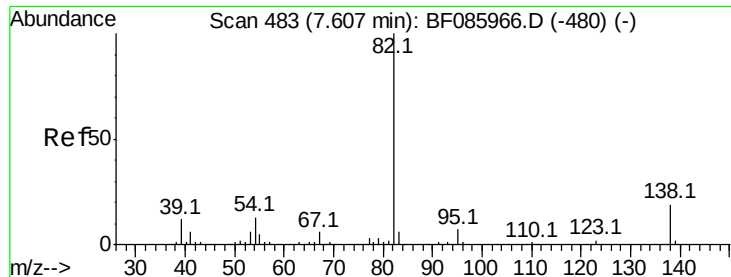
Sohil
 4/11/2016 5:45:32 PM



#24
 Nitrobenzene
 Concen: 40.22 ng
 RT: 7.32 min Scan# 458
 Delta R.T. -0.05 min
 Lab File: BF086205.D
 Acq: 9 Apr 2016 8:34

Tgt Ion	Ratio	Resp	Lower	Upper
77	100			
123	48.9	35.0	52.4	
65	12.9	10.6	16.0	





#25

Isophorone

Concen: 39.86 ng

RT: 7.56 min Scan# 479

Delta R.T. -0.05 min

Lab File: BF086205.D

Acq: 9 Apr 2016 8:34

Instrument :

BNA_F

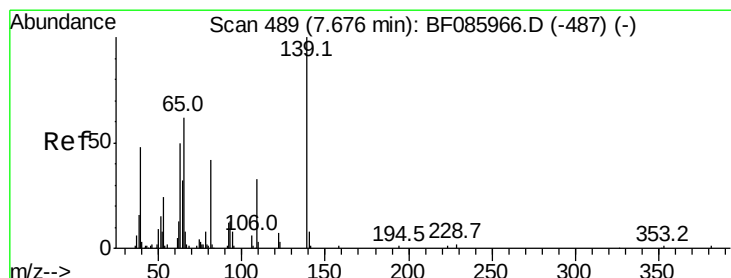
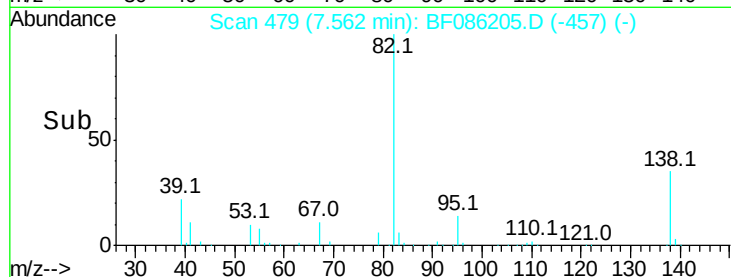
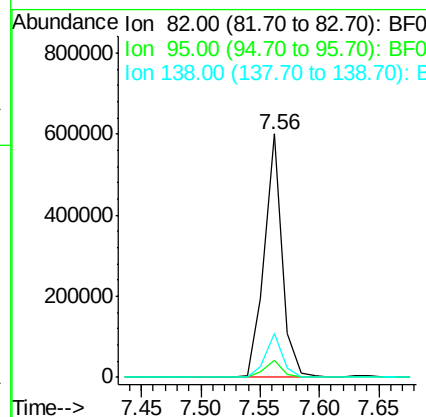
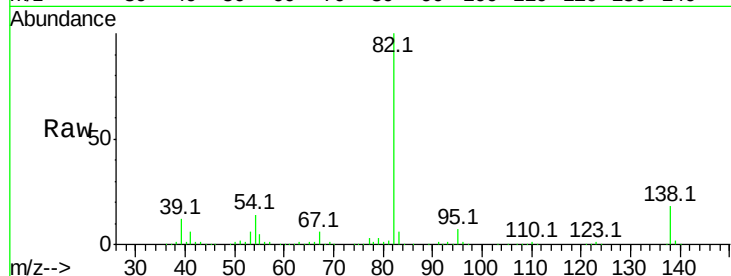
ClientSampleId :

SUMPPUMP-5MSD

Tot Ion:	82	Resp:	634194
Ion Ratio	Lower	Upper	
82	100		
95	7.1	5.4	8.2
138	18.1	12.9	19.3

Manual Integrations
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#26

2-Nitrophenol

Concen: 37.25 ng

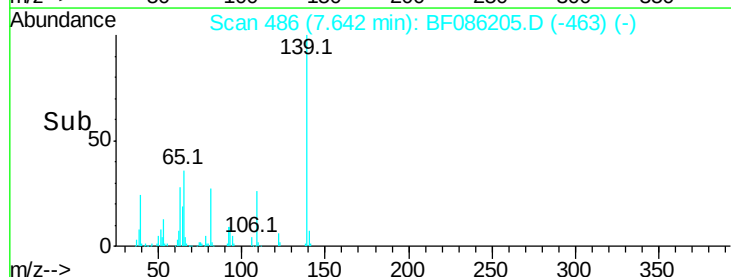
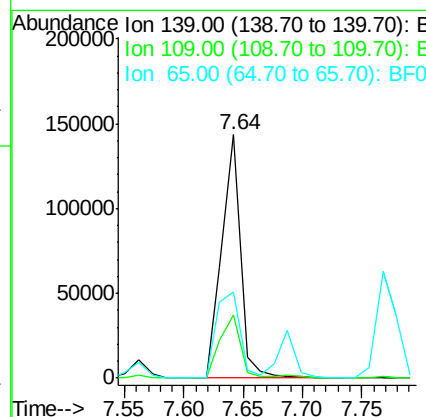
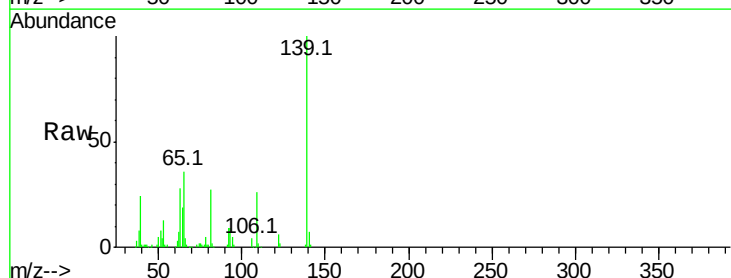
RT: 7.64 min Scan# 486

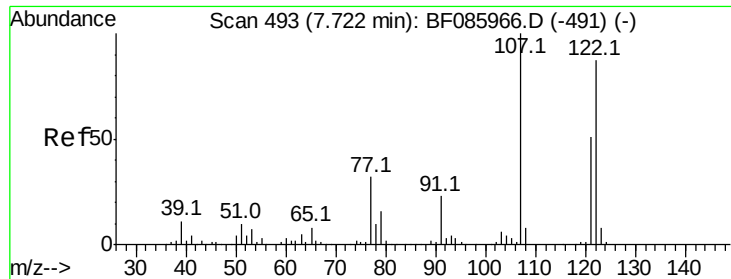
Delta R.T. -0.03 min

Lab File: BF086205.D

Acq: 9 Apr 2016 8:34

Tgt Ion:	139	Resp:	157148
Ion Ratio	Lower	Upper	
139	100		
109	25.7	22.1	33.1
65	35.5	33.9	50.9





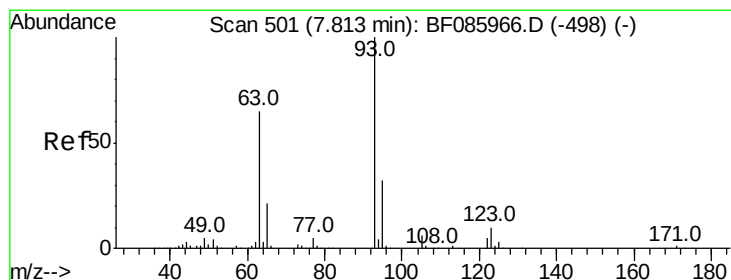
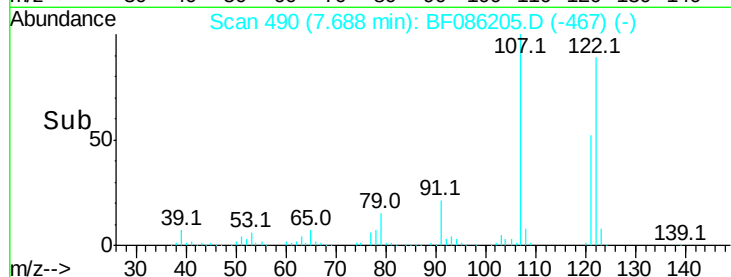
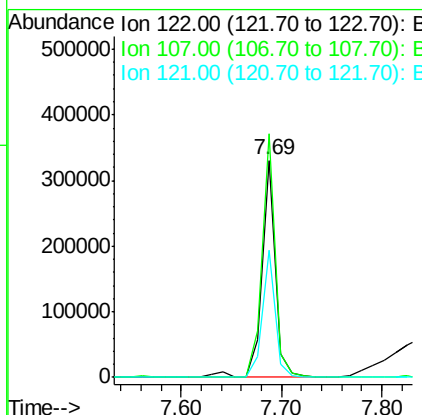
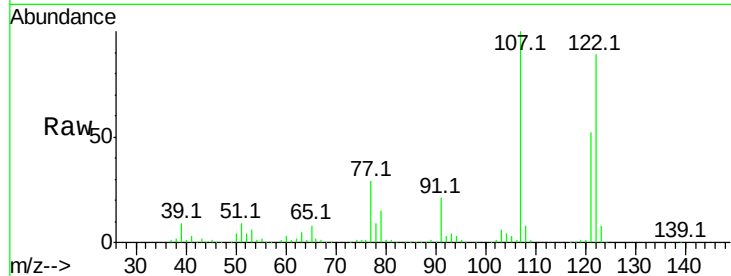
#27
 2,4-Dimethylphenol
 Concen: 40.76 ng
 RT: 7.69 min Scan# 490
 Delta R.T. -0.03 min
 Lab File: BF086205.D
 Acq: 9 Apr 2016 8:34

Instrument :
 BNA_F
 ClientSampleId :
 SUMPPUMP-5MSD

Tot Ion	Ratio	Resp	Lower	Upper
122	100	308843		
107	112.0	93.0	139.6	
121	58.4	45.9	68.9	

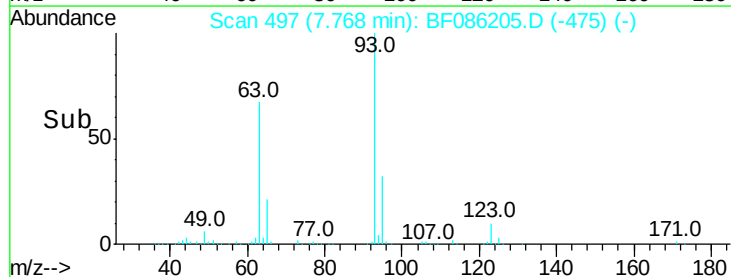
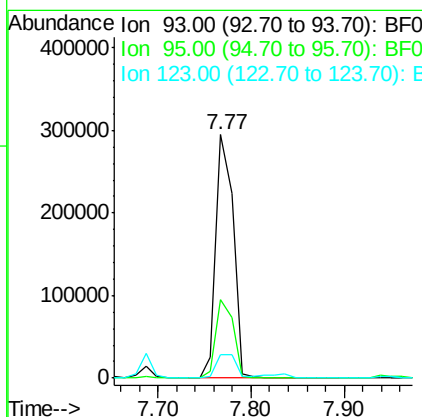
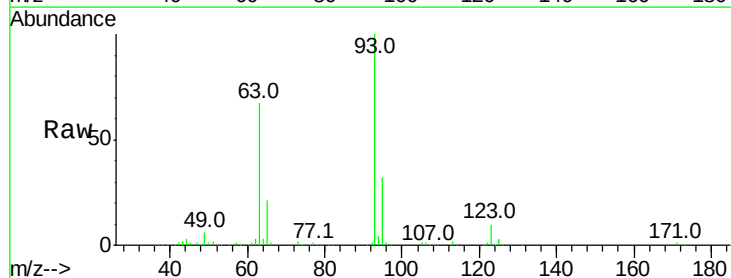
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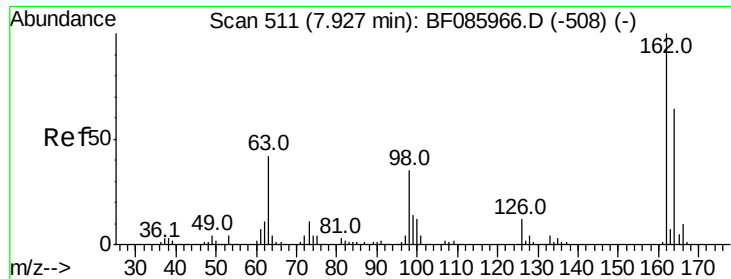
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#28
 bis(2-Chloroethoxy)methane
 Concen: 40.77 ng
 RT: 7.77 min Scan# 497
 Delta R.T. -0.05 min
 Lab File: BF086205.D
 Acq: 9 Apr 2016 8:34

Tgt Ion	Ratio	Resp	Lower	Upper
93	100	380613		
95	32.2	26.4	39.6	
123	9.5	9.8	14.6	





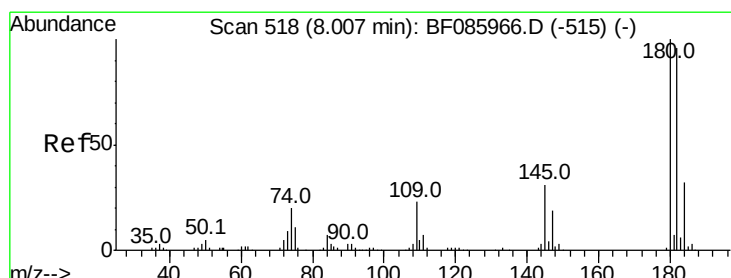
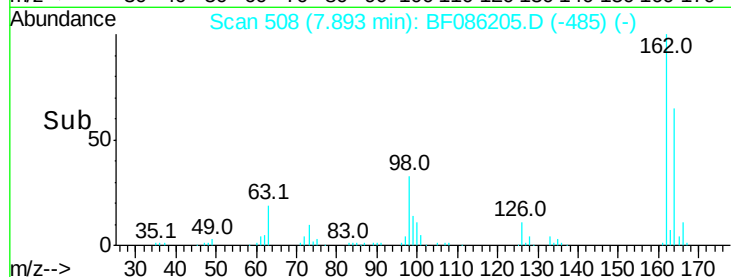
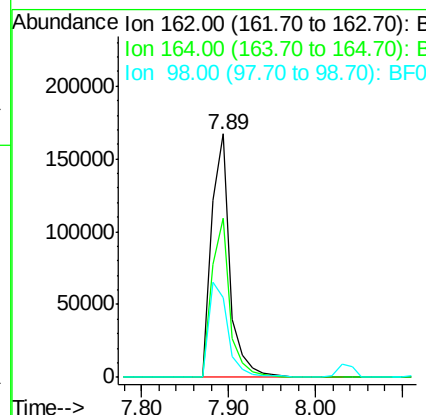
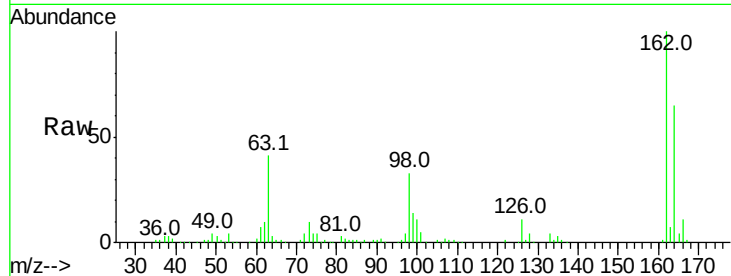
#29
 2,4-Dichlorophenol
 Concen: 38.40 ng
 RT: 7.89 min Scan# 508
 Delta R.T. -0.03 min
 Lab File: BF086205.D
 Acq: 9 Apr 2016 8:34

Instrument :
 BNA_F
 ClientSampleId :
 SUMPPUMP-5MSD

Tot Ion	Ratio	Resp	Lower	Upper
162	100	245976		
164	65.4	43.7	83.7	
98	32.5	20.4	60.4	

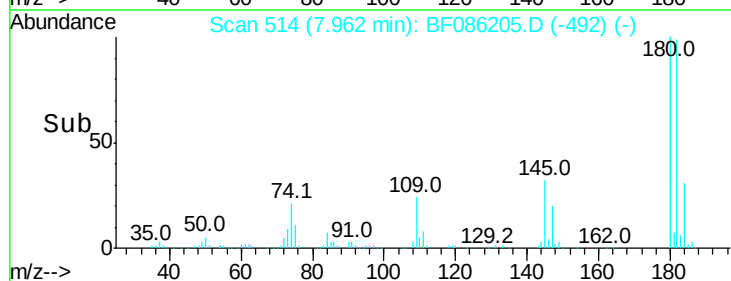
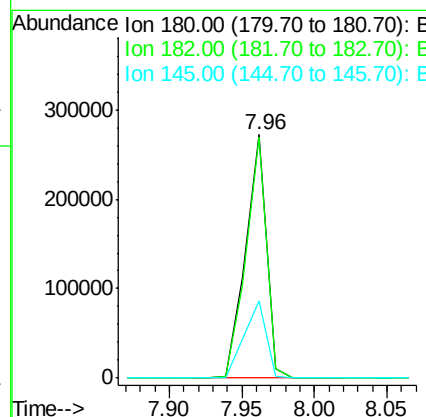
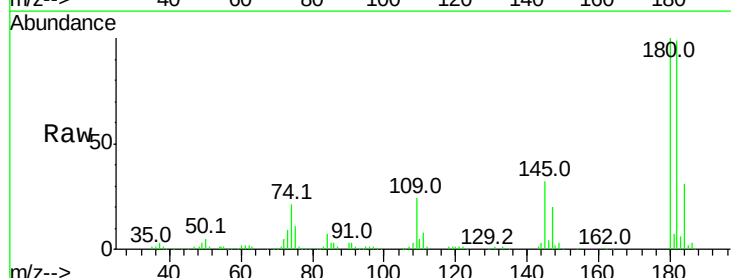
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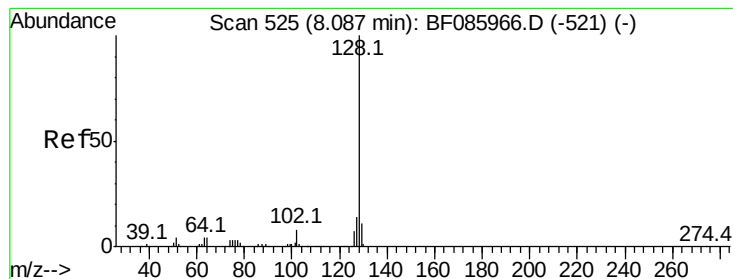
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#30
 1,2,4-Trichlorobenzene
 Concen: 38.09 ng
 RT: 7.96 min Scan# 514
 Delta R.T. -0.05 min
 Lab File: BF086205.D
 Acq: 9 Apr 2016 8:34

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	273913		
182	99.0	73.8	110.8	
145	31.6	28.4	42.6	





#31

Naphthalene

Concen: 38.56 ng

RT: 8.04 min Scan# 521

Delta R.T. -0.05 min

Lab File: BF086205.D

Acq: 9 Apr 2016 8:34

Instrument :

BNA_F

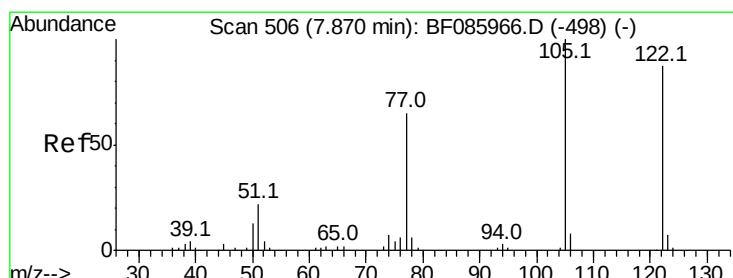
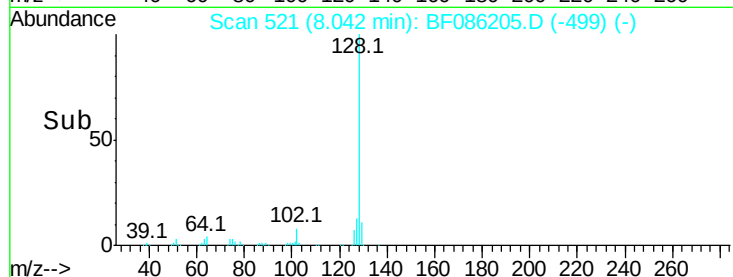
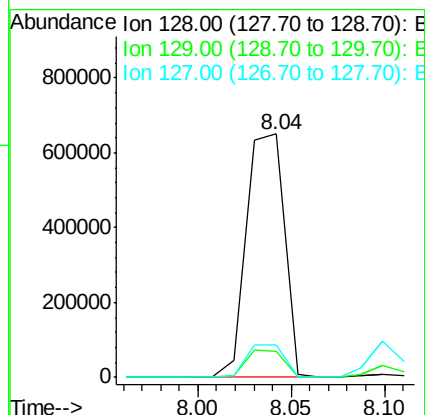
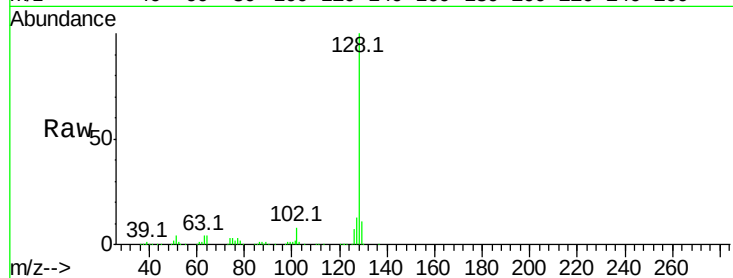
ClientSampleId :

SUMPPUMP-5MSD

Tot Ion:	128	Resp:	921944
Ion Ratio	Lower	Upper	
128	100		
129	10.8	9.4	14.0
127	13.2	11.0	16.6

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#32

Benzoic acid

Concen: 27.54 ng

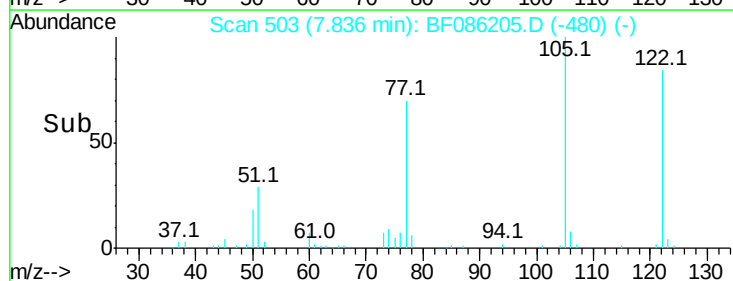
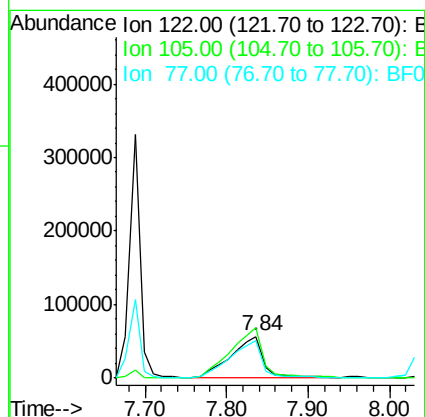
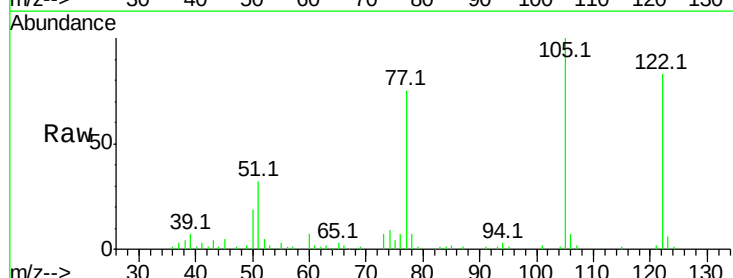
RT: 7.84 min Scan# 503

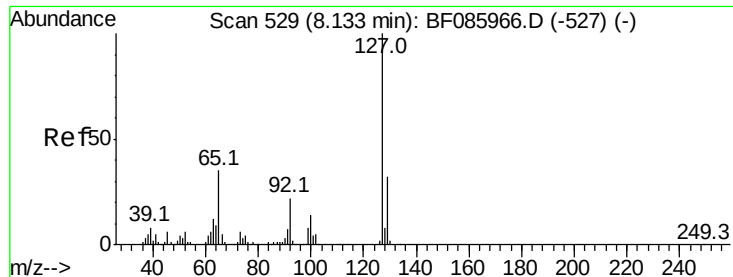
Delta R.T. -0.03 min

Lab File: BF086205.D

Acq: 9 Apr 2016 8:34

Tgt Ion:	122	Resp:	153118
Ion Ratio	Lower	Upper	
122	100		
105	119.8	102.9	142.9
77	90.0	71.8	111.8





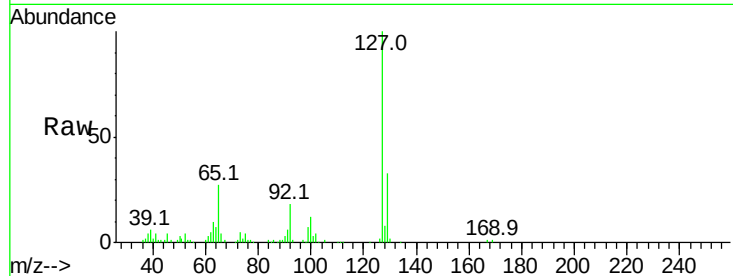
#33
4-Chloroaniline
Concen: 15.78 ng
RT: 8.10 min Scan# 526
Delta R.T. -0.03 min
Lab File: BF086205.D
Acq: 9 Apr 2016 8:34

Instrument :
BNA_F
ClientSampleId :
SUMPPUMP-5MSD

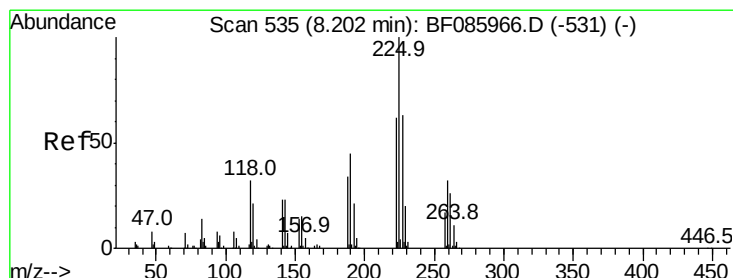
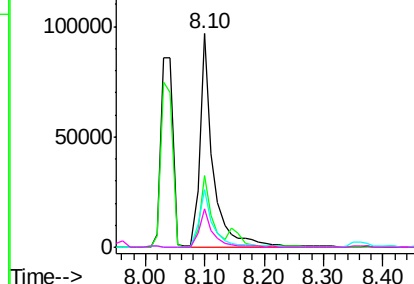
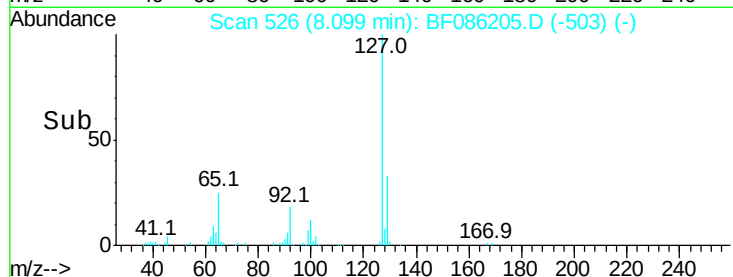
Tot Ion	Ratio	Resp	Lower	Upper
127	100			
129	33.4	26.1	39.1	
65	26.8	19.5	29.3	
92	18.1	14.6	22.0	

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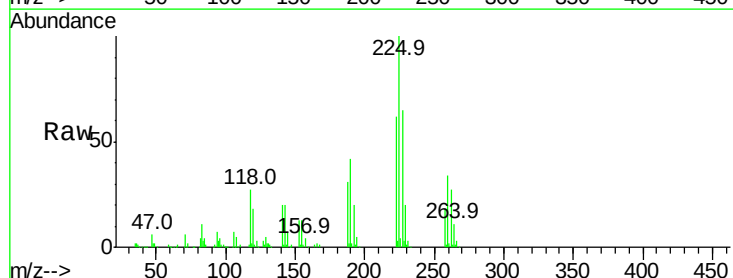


Abundance Ion 127.00 (126.70 to 127.70): E
150000
Ion 129.00 (128.70 to 129.70): E
Ion 65.00 (64.70 to 65.70): BF0
Ion 92.00 (91.70 to 92.70): BF0

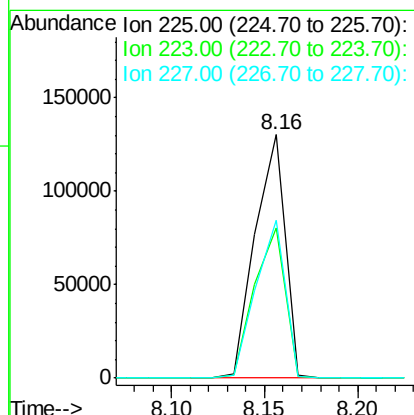
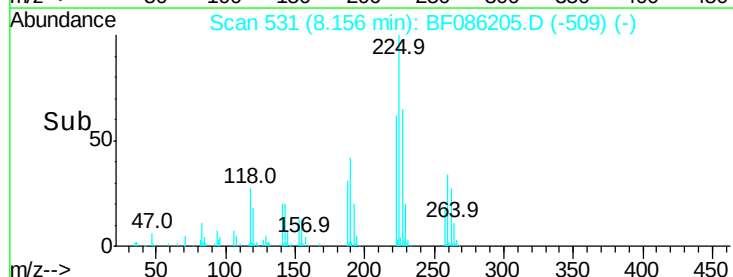


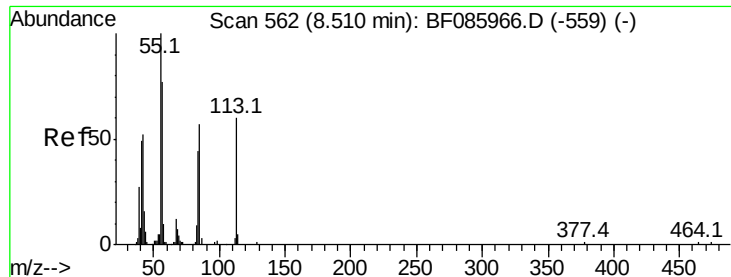
#34
Hexachlorobutadiene
Concen: 37.48 ng
RT: 8.16 min Scan# 531
Delta R.T. -0.05 min
Lab File: BF086205.D
Acq: 9 Apr 2016 8:34

Tgt Ion	Ratio	Resp	Lower	Upper
225	100			
223	61.6	50.4	75.6	
227	65.0	51.4	77.2	



Abundance Ion 225.00 (224.70 to 225.70): E
150000
Ion 223.00 (222.70 to 223.70): E
Ion 227.00 (226.70 to 227.70): E





#35

Caprolactam

Concen: 31.29 ng

RT: 8.48 min Scan# 559

Delta R.T. -0.03 min

Lab File: BF086205.D

Acq: 9 Apr 2016 8:34

Instrument :

BNA_F

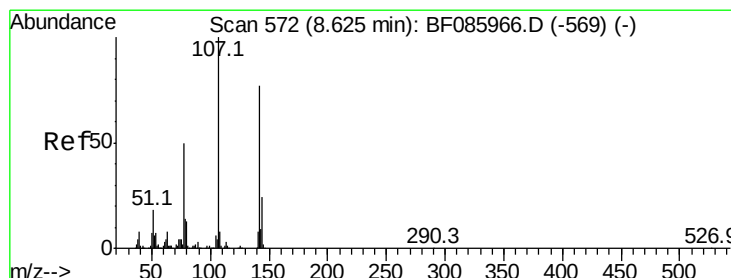
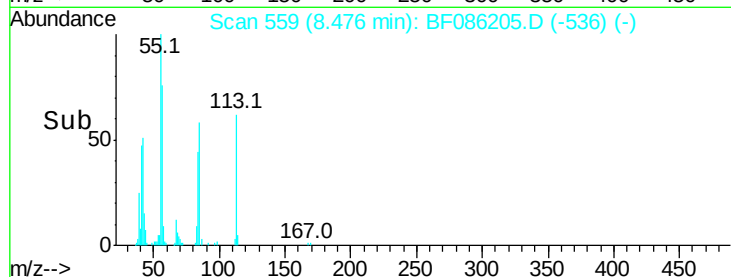
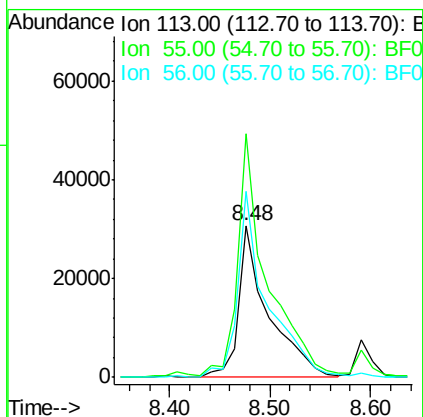
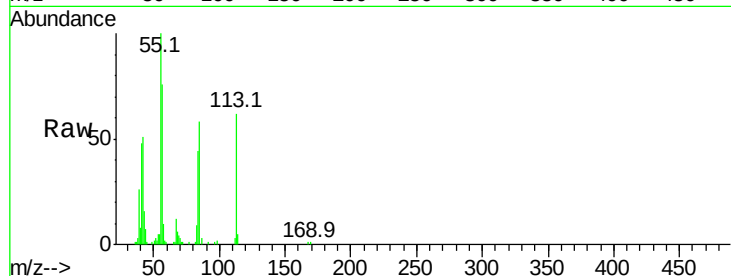
ClientSampleId :

SUMPPUMP-5MSD

Tot Ion:	113	Resp:	63582
Ion Ratio	Lower	Upper	
113	100		
55	160.5	139.4	179.4
56	122.4	100.4	140.4

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#36

4-Chloro-3-methylphenol

Concen: 35.55 ng

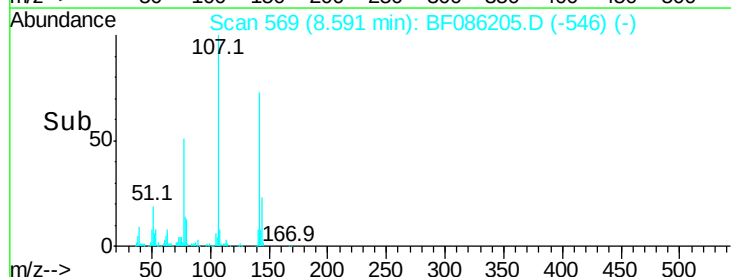
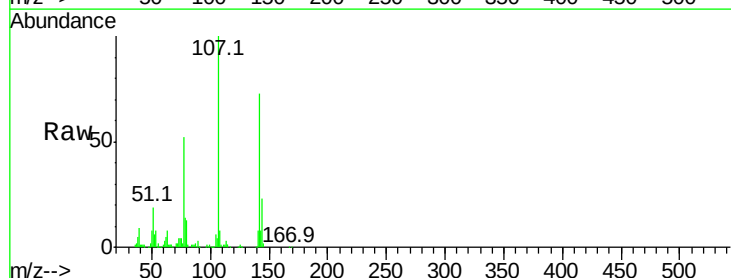
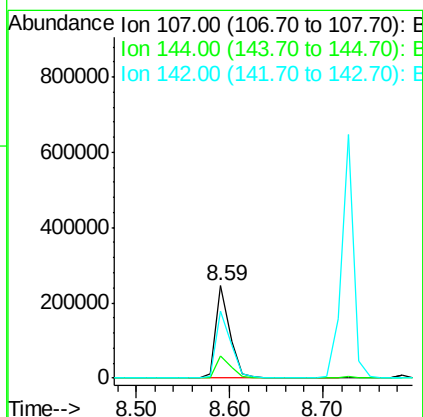
RT: 8.59 min Scan# 569

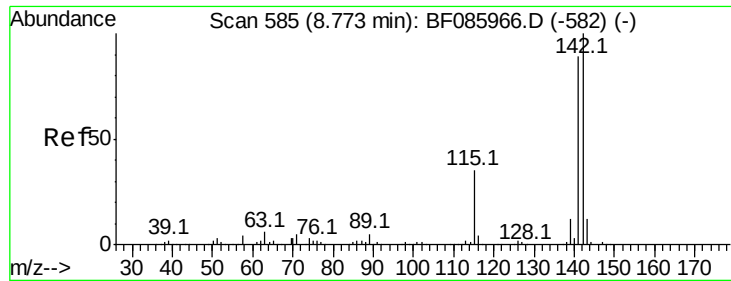
Delta R.T. -0.03 min

Lab File: BF086205.D

Acq: 9 Apr 2016 8:34

Tgt Ion:	107	Resp:	256000
Ion Ratio	Lower	Upper	
107	100		
144	23.4	19.3	28.9
142	73.0	61.4	92.0





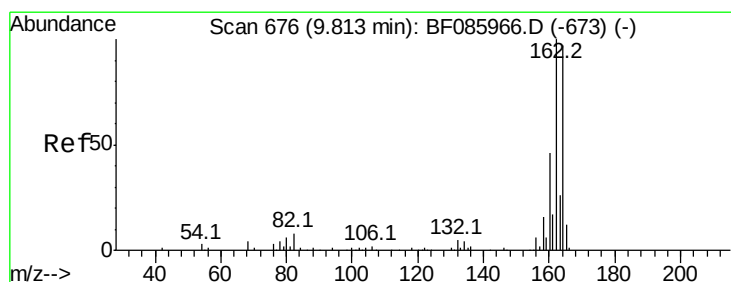
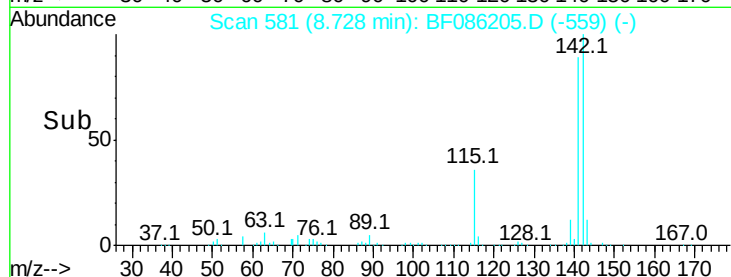
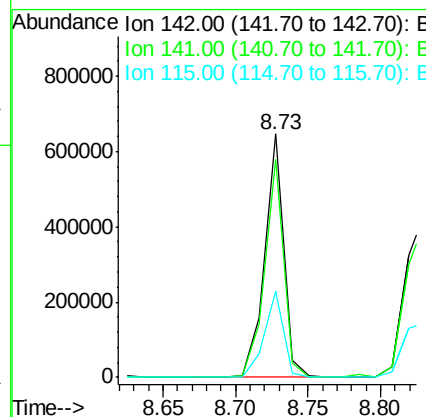
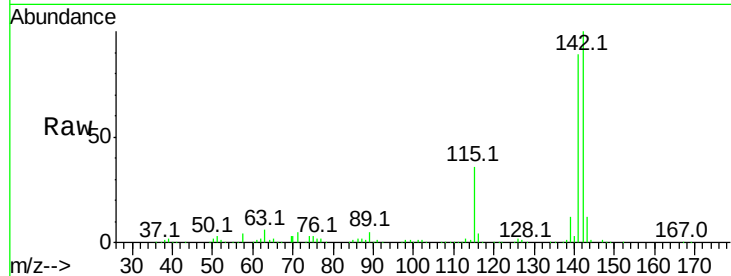
#37
2-Methylnaphthalene
Concen: 37.54 ng
RT: 8.73 min Scan# 581
Delta R.T. -0.05 min
Lab File: BF086205.D
Acq: 9 Apr 2016 8:34

Instrument :
BNA_F
ClientSampleId :
SUMPPUMP-5MSD

Tot Ion	Ratio	Lower	Upper
142	100		
141	89.5	71.6	107.4
115	35.6	26.8	40.2

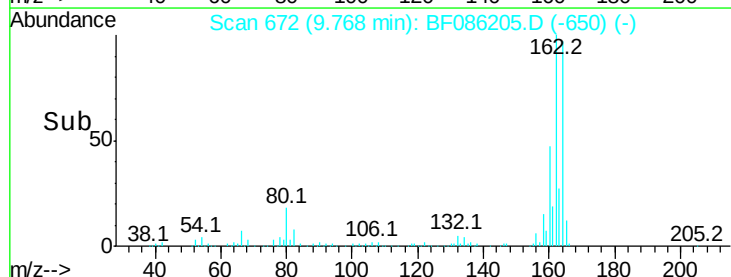
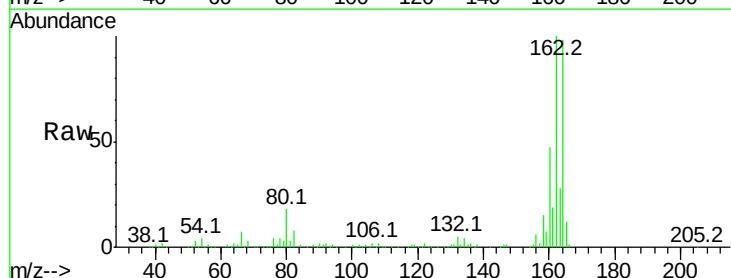
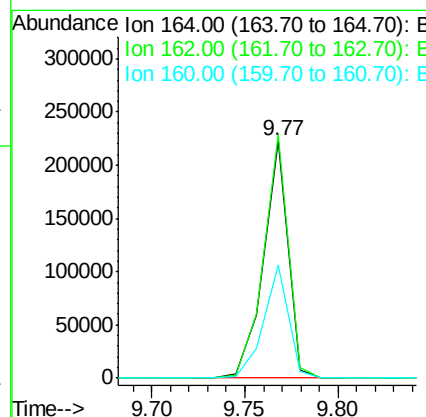
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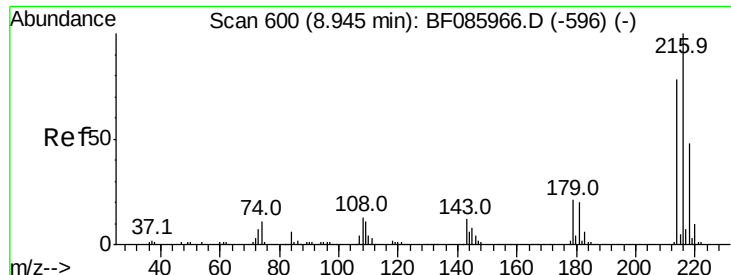
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#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.77 min Scan# 672
Delta R.T. -0.05 min
Lab File: BF086205.D
Acq: 9 Apr 2016 8:34

Tgt Ion	Ratio	Lower	Upper
164	100		
162	102.5	82.1	123.1
160	47.7	37.4	56.2





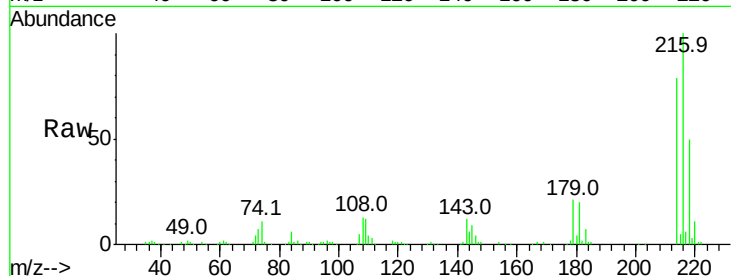
#39
 1,2,4,5-Tetrachlorobenzene
 Concen: 39.83 ng
 RT: 8.90 min Scan# 596
 Delta R.T. -0.05 min
 Lab File: BF086205.D
 Acq: 9 Apr 2016 8:34

Instrument :
 BNA_F
 ClientSampleId :
 SUMPPUMP-5MSD

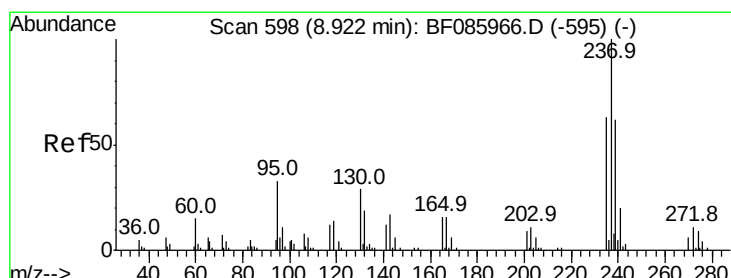
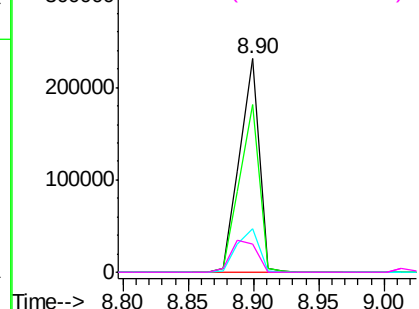
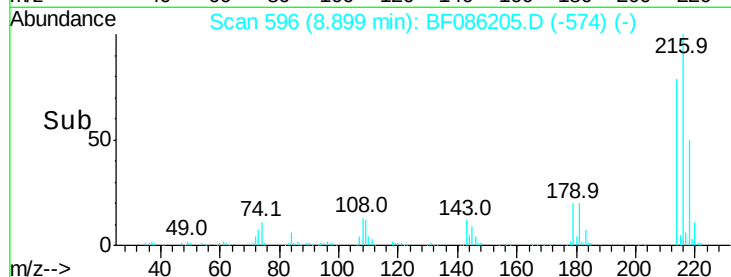
Tot Ion	Ratio	Resp	Lower	Upper
216	100	241063		
214	79.3	63.1	94.7	
179	22.8	18.2	27.2	
108	20.2	17.3	25.9	

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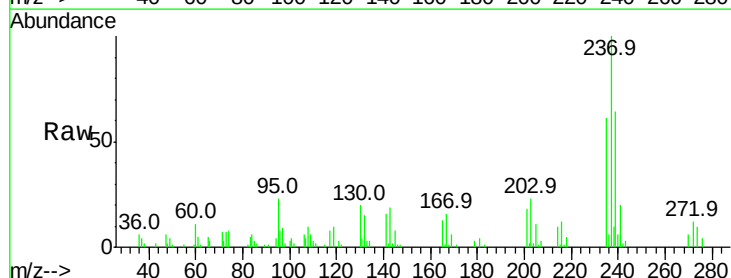


Abundance Ion 216.00 (215.70 to 216.70): E
 Ion 214.00 (213.70 to 214.70): E
 Ion 179.00 (178.70 to 179.70): E
 Ion 108.00 (107.70 to 108.70): E

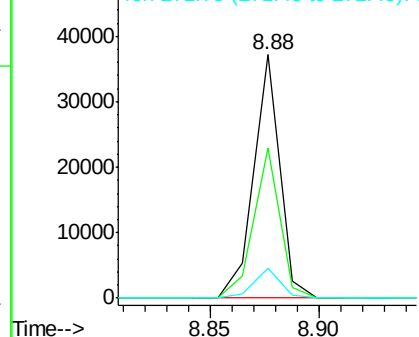
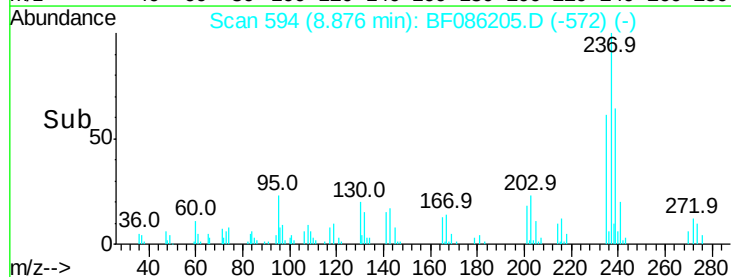


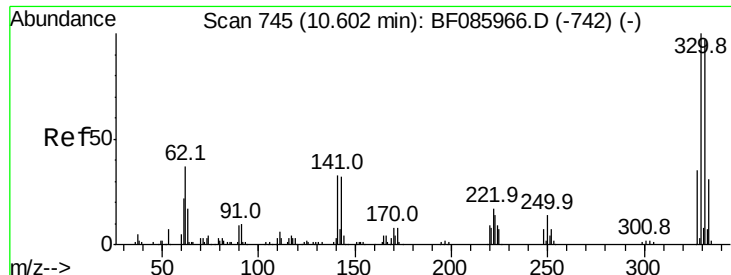
#40
 Hexachlorocyclopentadiene
 Concen: 22.81 ng
 RT: 8.88 min Scan# 594
 Delta R.T. -0.04 min
 Lab File: BF086205.D
 Acq: 9 Apr 2016 8:34

Tgt Ion	Ratio	Resp	Lower	Upper
237	100	30963		
235	61.4	43.7	83.7	
272	12.4	0.0	31.9	



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





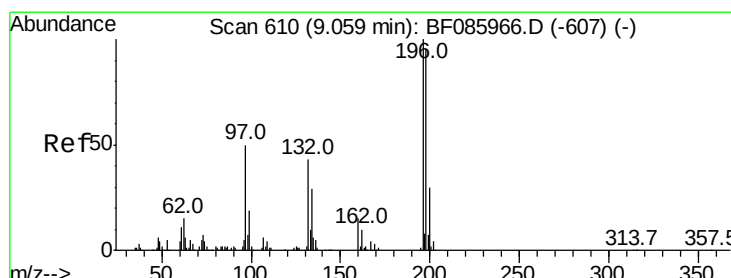
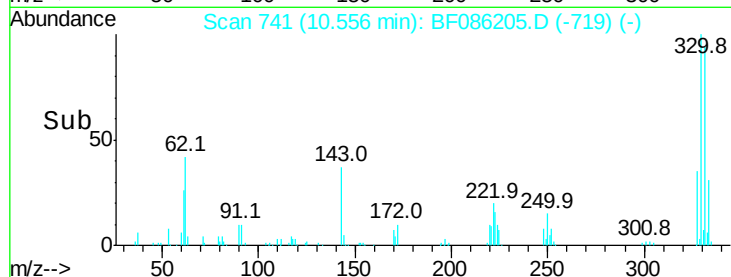
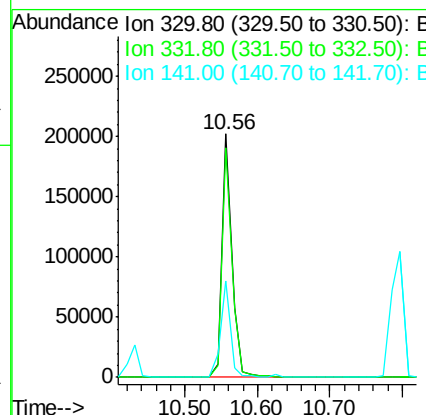
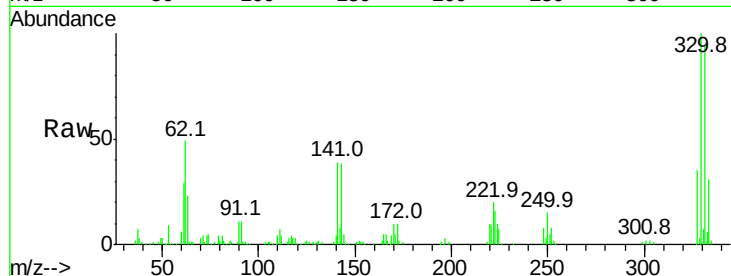
#41
 2,4,6-Tribromophenol
 Concen: 103.18 ng
 RT: 10.56 min Scan# 741
 Delta R.T. -0.05 min
 Lab File: BF086205.D
 Acq: 9 Apr 2016 8:34

Instrument :
 BNA_F
 ClientSampleId :
 SUMPPUMP-5MSD

Tot Ion	Ratio	Resp	Lower	Upper
330	100	195006		
332	94.8	78.2	117.2	
141	39.1	31.5	47.3	

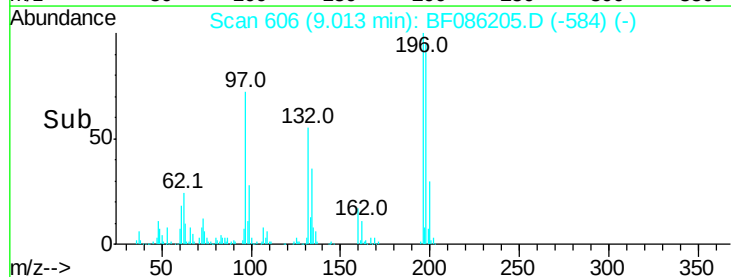
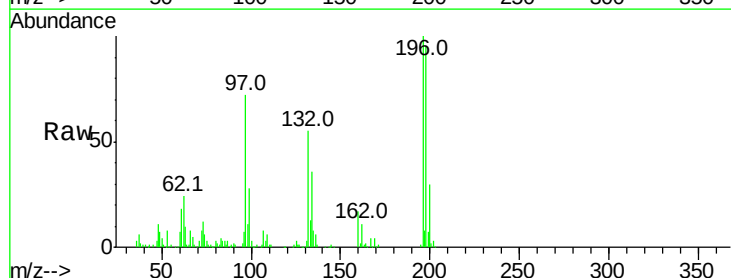
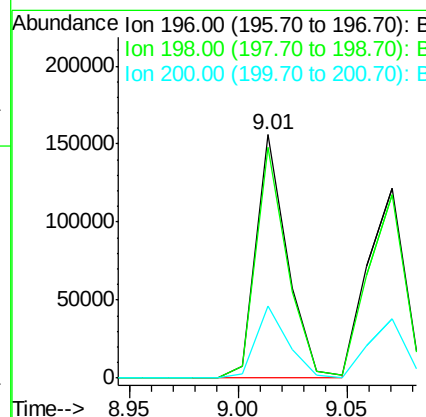
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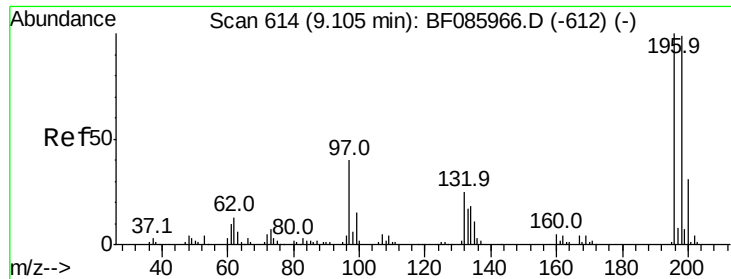
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#42
 2,4,6-Trichlorophenol
 Concen: 40.29 ng
 RT: 9.01 min Scan# 606
 Delta R.T. -0.05 min
 Lab File: BF086205.D
 Acq: 9 Apr 2016 8:34

Tgt Ion	Ratio	Resp	Lower	Upper
196	100	156576		
198	94.5	75.3	112.9	
200	29.5	23.7	35.5	





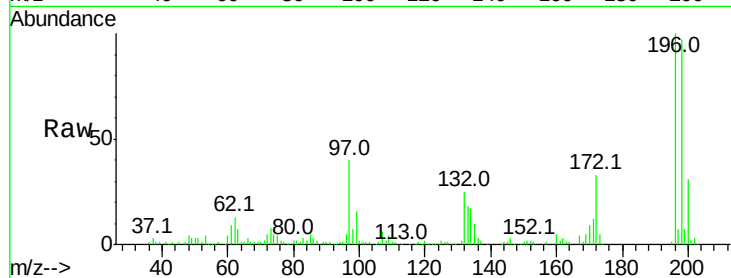
#43
 2,4,5-Trichlorophenol
 Concen: 38.06 ng
 RT: 9.07 min Scan# 611
 Delta R.T. -0.03 min
 Lab File: BF086205.D
 Acq: 9 Apr 2016 8:34

Instrument :
 BNA_F
 ClientSampleId :
 SUMPPUMP-5MSD

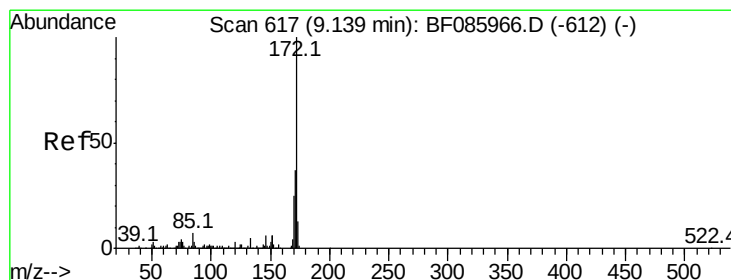
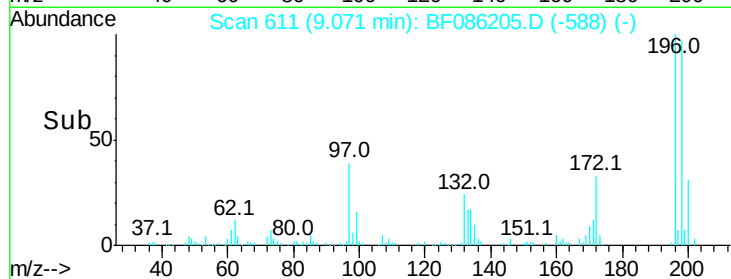
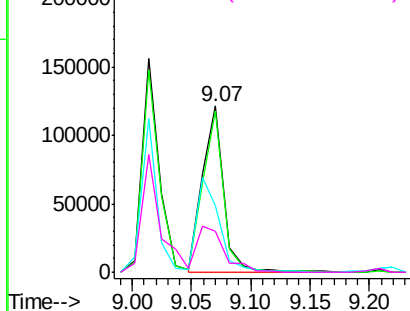
Tot Ion	Ratio	Resp	Lower	Upper
196	100	150194		
198	97.1	76.6	114.8	
97	39.9	30.5	45.7	
132	24.7	20.2	30.2	

Manual Integrations
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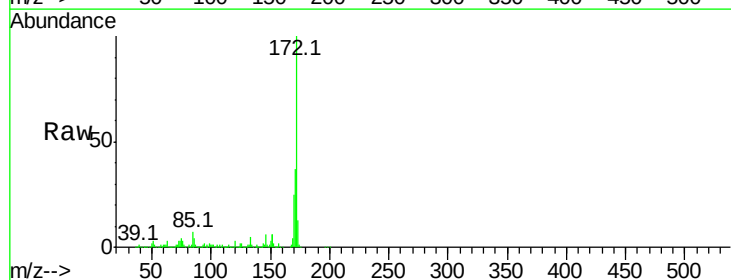


Abundance Ion 196.00 (195.70 to 196.70): E
 Ion 198.00 (197.70 to 198.70): E
 Ion 97.00 (96.70 to 97.70): BF0
 Ion 132.00 (131.70 to 132.70): E

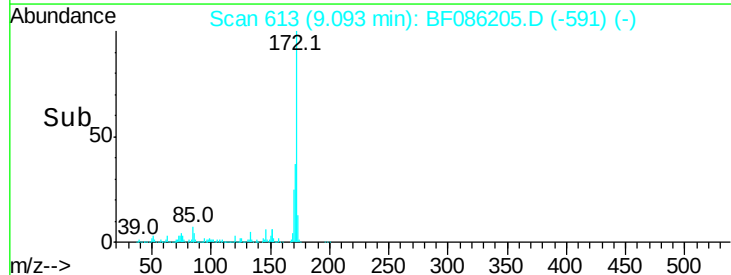
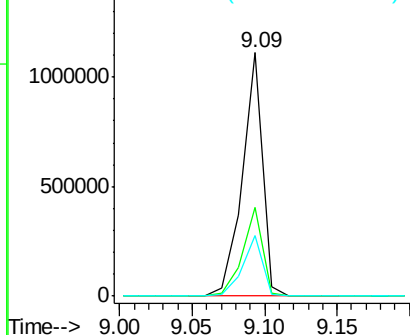


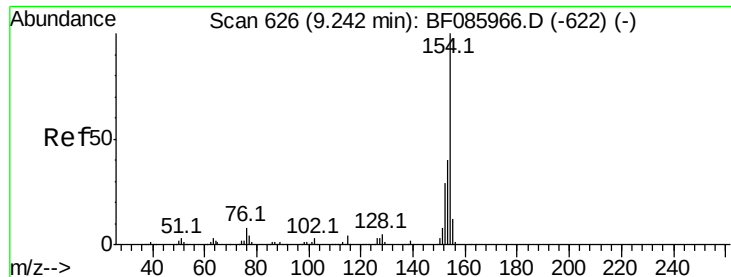
#44
 2-Fluorobiphenyl
 Concen: 88.68 ng
 RT: 9.09 min Scan# 613
 Delta R.T. -0.05 min
 Lab File: BF086205.D
 Acq: 9 Apr 2016 8:34

Tgt Ion	Ratio	Resp	Lower	Upper
172	100	1073990		
171	36.6	29.4	44.2	
170	24.7	19.8	29.6	



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: 40.46 ng

RT: 9.20 min Scan# 622

Delta R.T. -0.05 min

Lab File: BF086205.D

Acq: 9 Apr 2016 8:34

Instrument :

BNA_F

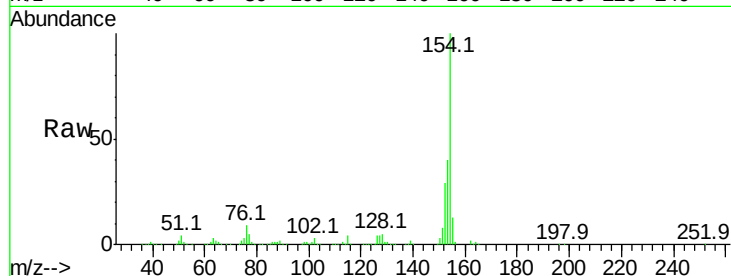
ClientSampleId :

SUMPPUMP-5MSD

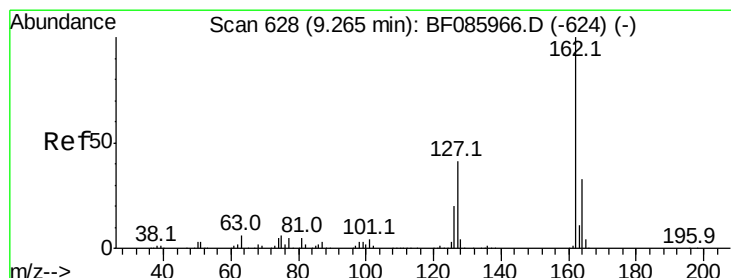
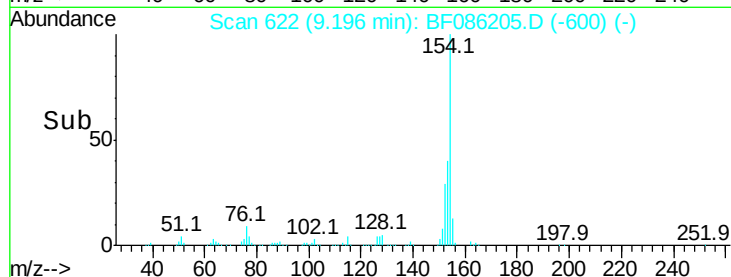
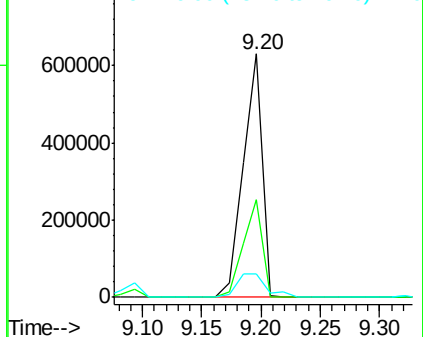
Tot Ion:	154	Resp:	702545
Ion Ratio	Lower	Upper	
154	100		
153	40.2	20.8	60.8
76	9.5	0.0	36.7

Manual Integrations
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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: 41.80 ng

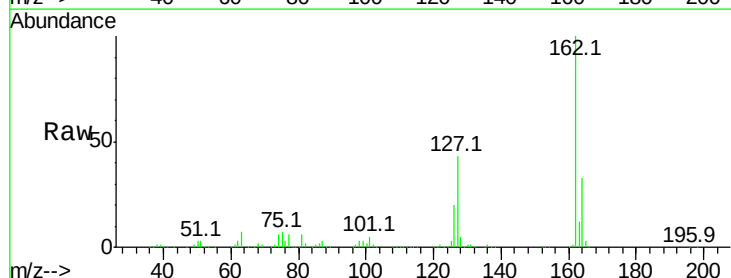
RT: 9.22 min Scan# 624

Delta R.T. -0.05 min

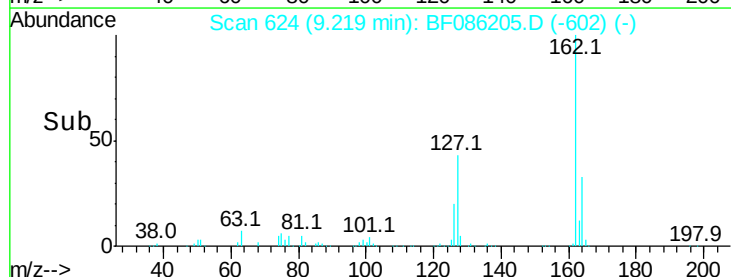
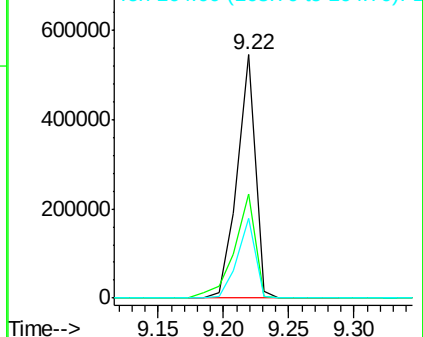
Lab File: BF086205.D

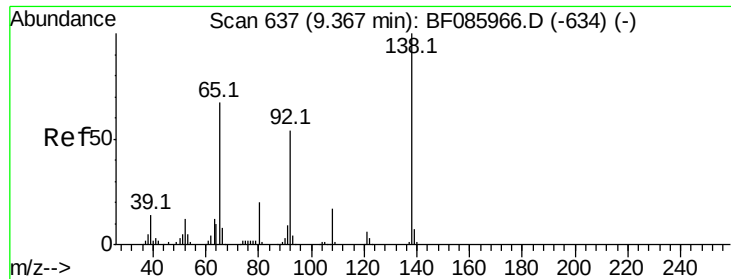
Acq: 9 Apr 2016 8:34

Tgt Ion:	162	Resp:	526107
Ion Ratio	Lower	Upper	
162	100		
127	42.9	31.7	47.5
164	32.9	27.3	40.9



Abundance Ion 162.00 (161.70 to 162.70): E
Ion 127.00 (126.70 to 127.70): E
Ion 164.00 (163.70 to 164.70): E





#47

2-Nitroaniline

Concen: 44.07 ng

RT: 9.32 min Scan# 633

Delta R.T. -0.05 min

Lab File: BF086205.D

Acq: 9 Apr 2016 8:34

Instrument :

BNA_F

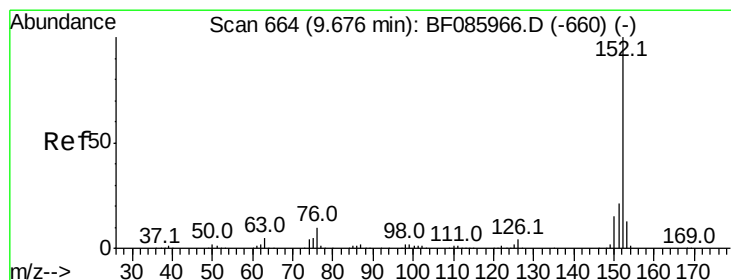
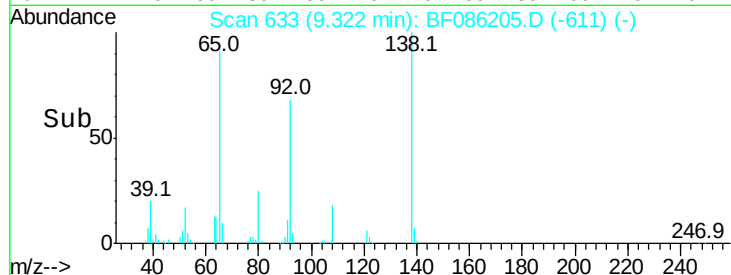
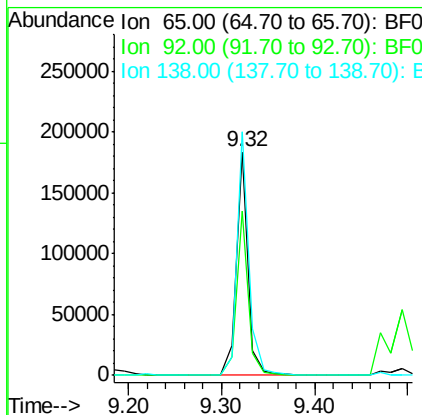
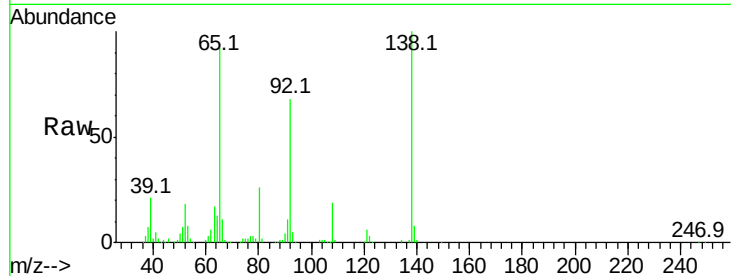
ClientSampleId :

SUMPPUMP-5MSD

Tot Ion:	65	Resp:	162307
Ion Ratio	Lower	Upper	
65	100		
92	73.8	59.7	89.5
138	109.1	91.4	137.0

Manual Integrations
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#48

Acenaphthylene

Concen: 39.69 ng

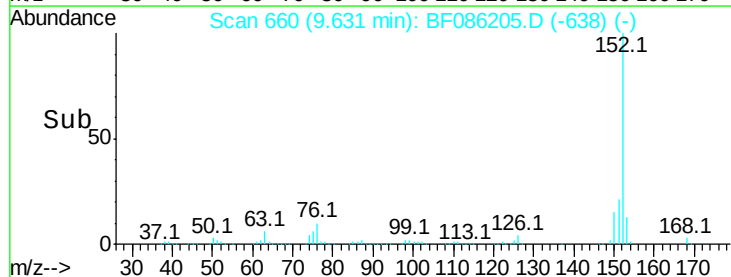
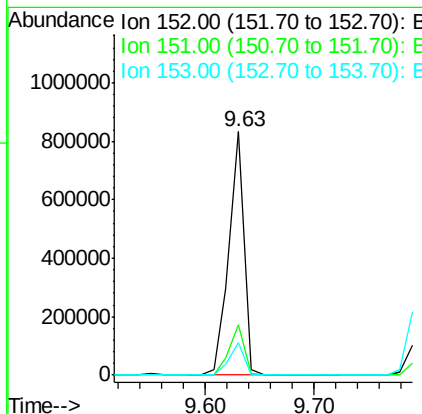
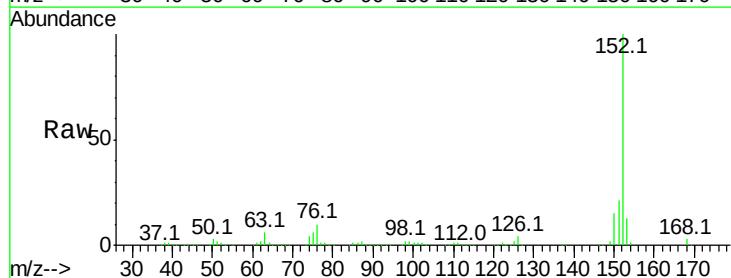
RT: 9.63 min Scan# 660

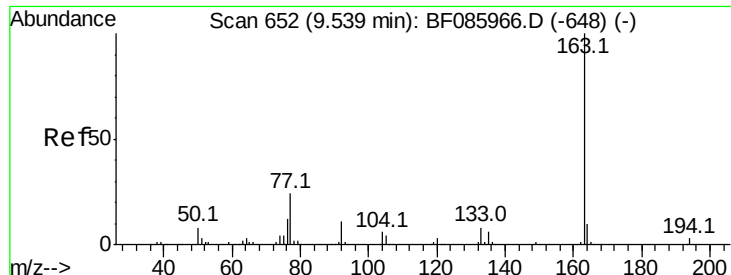
Delta R.T. -0.05 min

Lab File: BF086205.D

Acq: 9 Apr 2016 8:34

Tgt Ion:	152	Resp:	800278
Ion Ratio	Lower	Upper	
152	100		
151	20.5	16.8	25.2
153	13.2	10.9	16.3





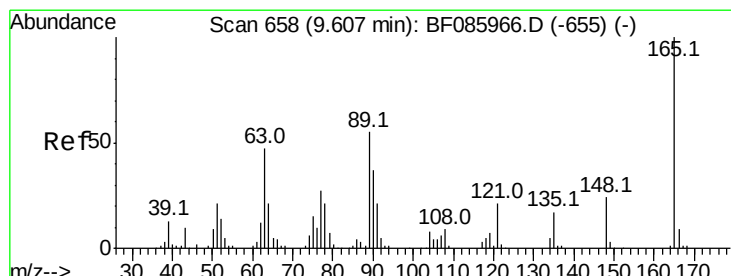
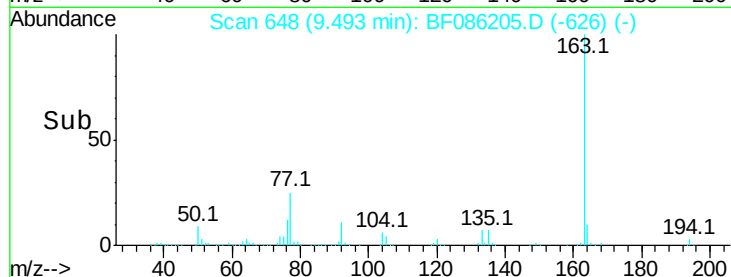
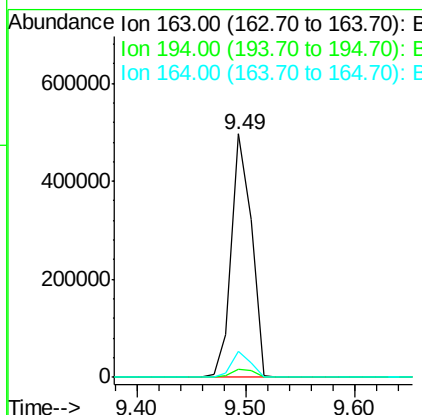
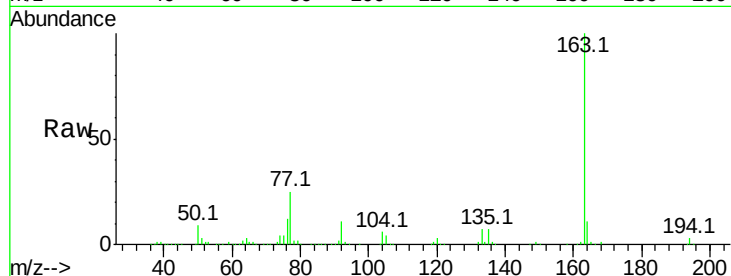
#49
Dimethylphthalate
Concen: 42.20 ng
RT: 9.49 min Scan# 648
Delta R.T. -0.05 min
Lab File: BF086205.D
Acq: 9 Apr 2016 8:34

Instrument :
BNA_F
ClientSampleId :
SUMPPUMP-5MSD

Tot Ion	Ratio	Resp Lower	Upper
163	100		
194	3.3	2.9	4.3
164	10.5	8.3	12.5

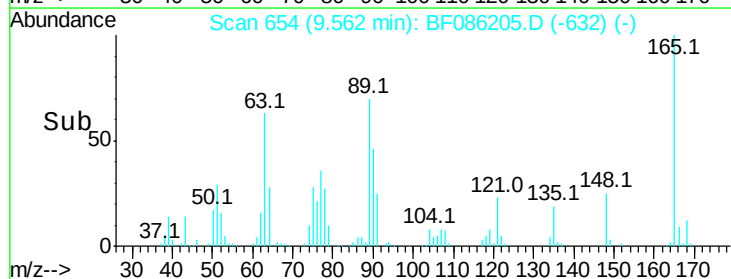
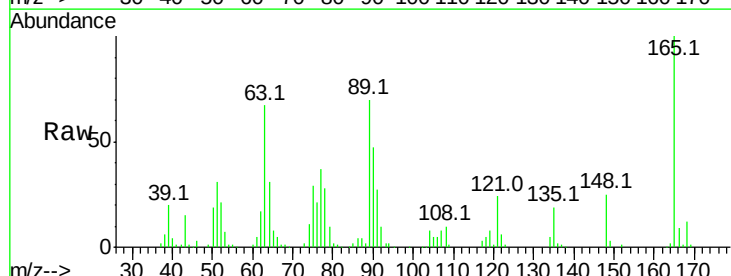
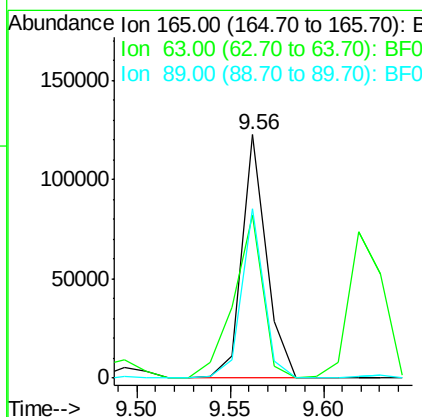
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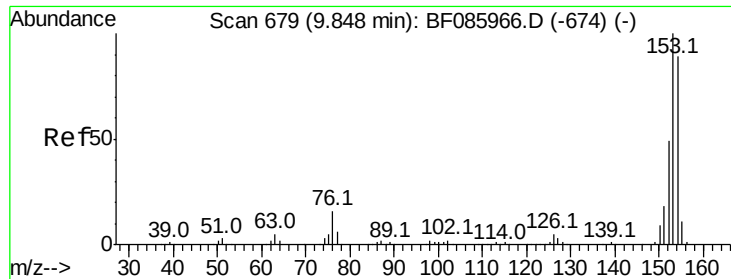
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#50
2,6-Dinitrotoluene
Concen: 35.60 ng
RT: 9.56 min Scan# 654
Delta R.T. -0.05 min
Lab File: BF086205.D
Acq: 9 Apr 2016 8:34

Tgt Ion	Ratio	Resp Lower	Upper
165	100		
63	66.9	51.8	77.8
89	69.5	53.7	80.5





#51

Acenaphthene

Concen: 40.13 ng

RT: 9.80 min Scan# 675

Delta R.T. -0.05 min

Lab File: BF086205.D

Acq: 9 Apr 2016 8:34

Instrument :

BNA_F

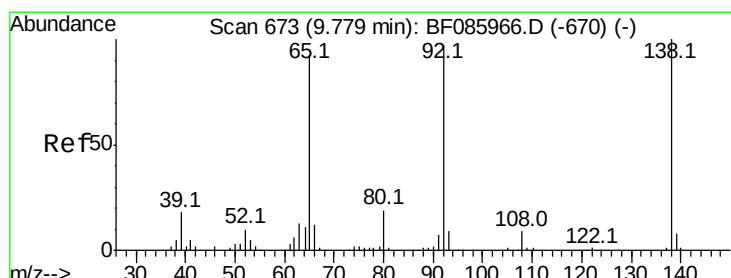
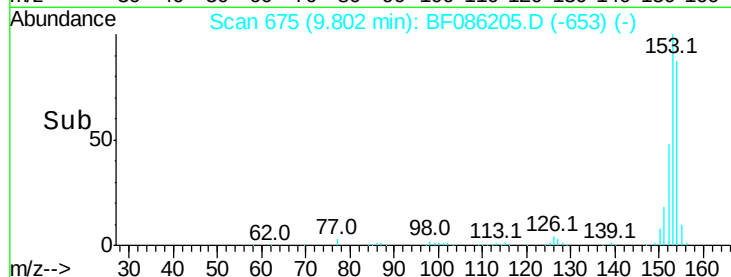
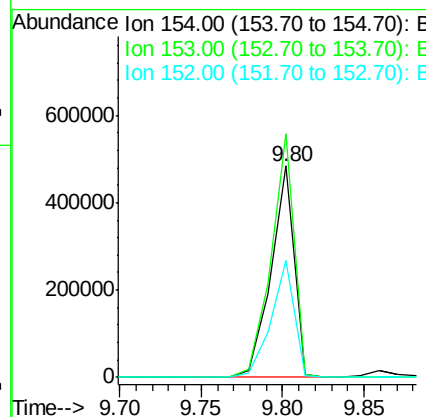
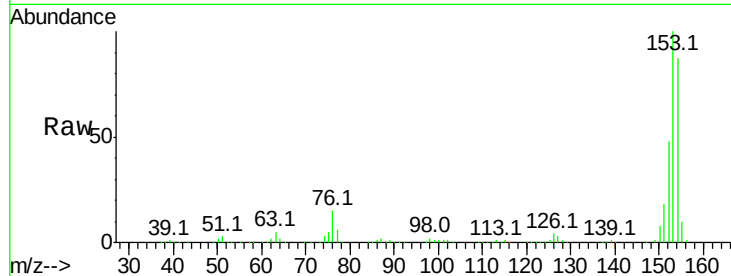
ClientSampleId :

SUMPPUMP-5MSD

Tot Ion:	154	Resp:	481155
Ion Ratio	Lower	Upper	
154	100		
153	115.1	90.1	135.1
152	55.6	44.2	66.2

Manual Integrations
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#52

3-Nitroaniline

Concen: 22.79 ng

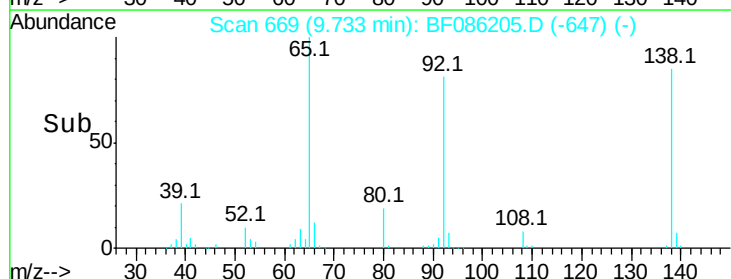
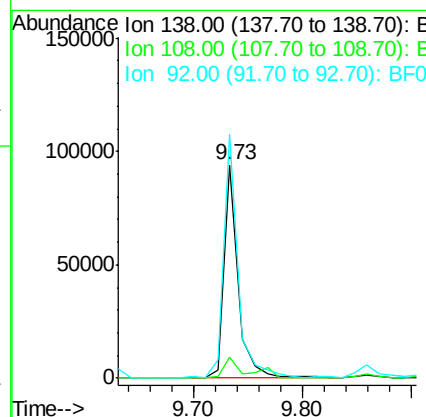
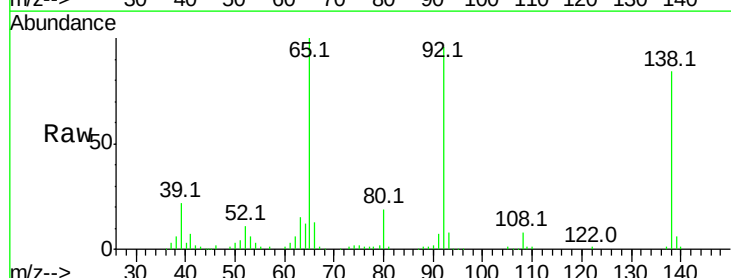
RT: 9.73 min Scan# 669

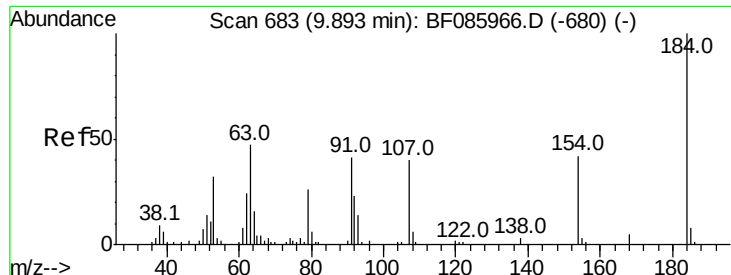
Delta R.T. -0.05 min

Lab File: BF086205.D

Acq: 9 Apr 2016 8:34

Tgt Ion:	138	Resp:	86738
Ion Ratio	Lower	Upper	
138	100		
108	10.0	8.7	13.1
92	114.1	93.3	139.9





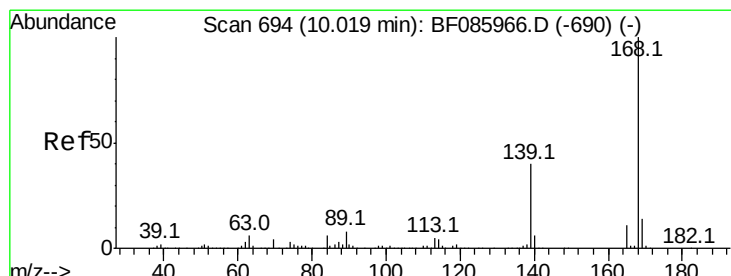
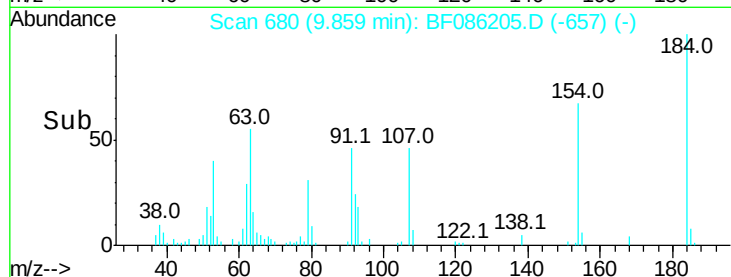
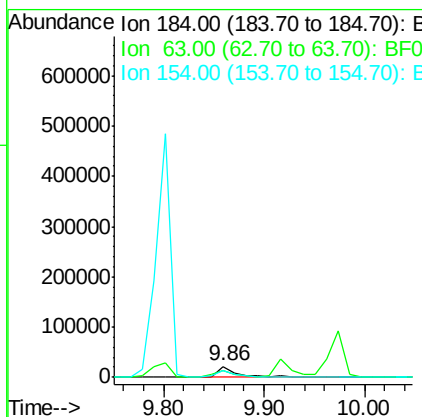
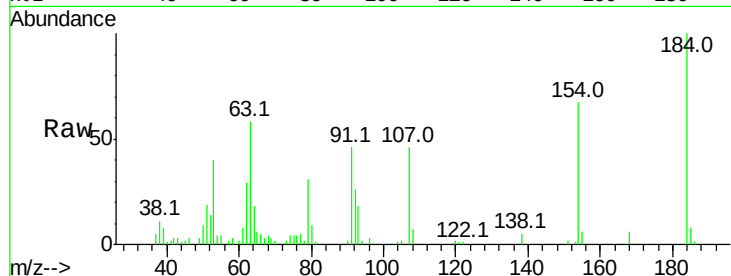
#53
 2,4-Dinitrophenol
 Concen: 24.11 ng
 RT: 9.86 min Scan# 680
 Delta R.T. -0.03 min
 Lab File: BF086205.D
 Acq: 9 Apr 2016 8:34

Instrument :
 BNA_F
 ClientSampleId :
 SUMPPUMP-5MSD

Tot Ion	Ratio	Resp	Lower	Upper
184	100			
63	58.1	69.5	104.3	
154	66.6	58.3	87.5	

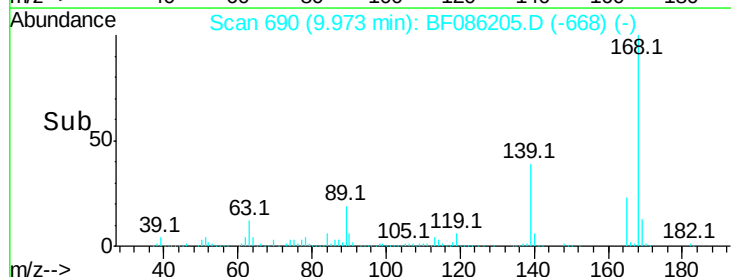
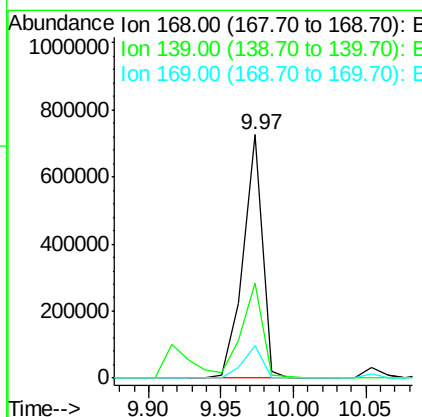
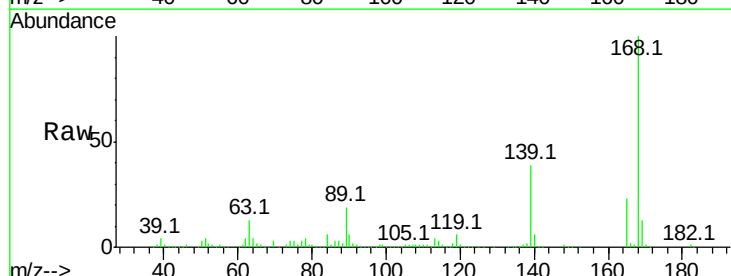
Manual Integrations
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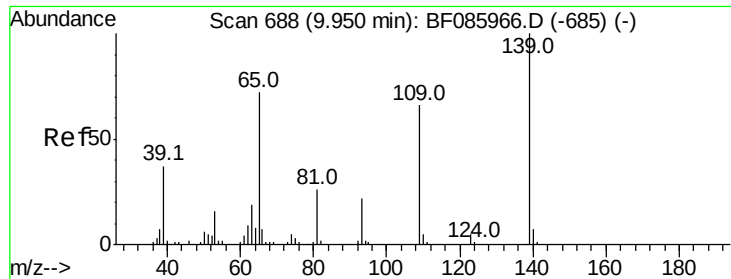
Sohil
 4/11/2016 5:45:32 PM



#54
 Dibenzofuran
 Concen: 42.51 ng
 RT: 9.97 min Scan# 690
 Delta R.T. -0.05 min
 Lab File: BF086205.D
 Acq: 9 Apr 2016 8:34

Tgt Ion	Ratio	Resp	Lower	Upper
168	100			
139	39.1	31.9	47.9	
169	13.2	11.0	16.6	





#55

4-Nitrophenol

Concen: 60.68 ng

RT: 9.92 min Scan# 685

Delta R.T. -0.03 min

Lab File: BF086205.D

Acq: 9 Apr 2016 8:34

Instrument :

BNA_F

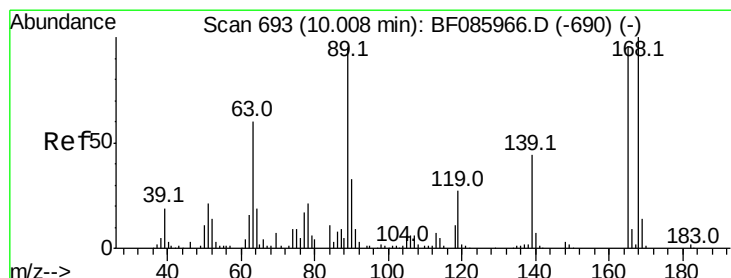
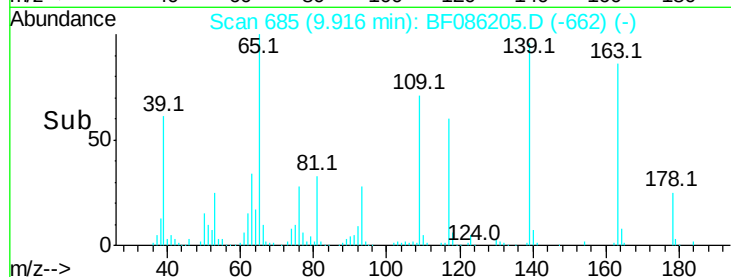
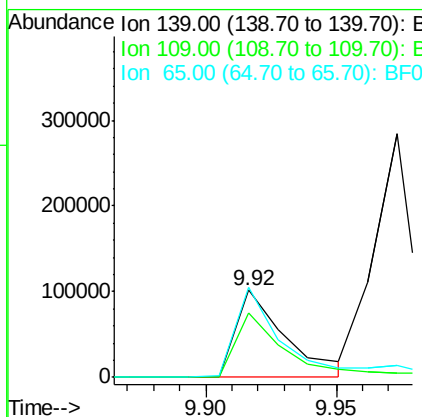
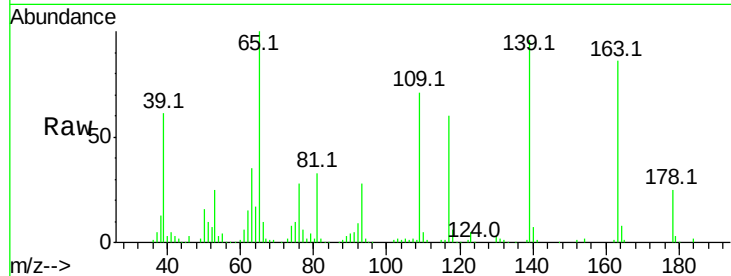
ClientSampleId :

SUMPPUMP-5MSD

Tot Ion:	139	Resp:	136151
Ion Ratio	Lower	Upper	
139	100		
109	73.8	49.2	89.2
65	104.3	66.9	106.9

Manual Integrations
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#56

2,4-Dinitrotoluene

Concen: 34.89 ng

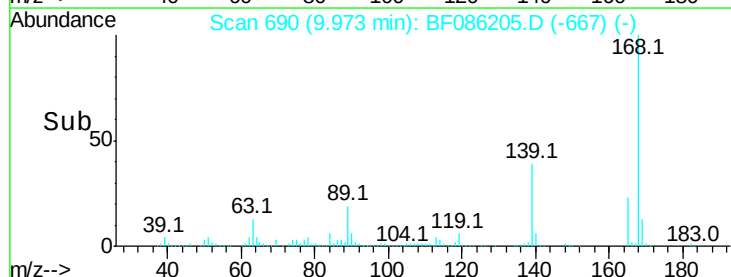
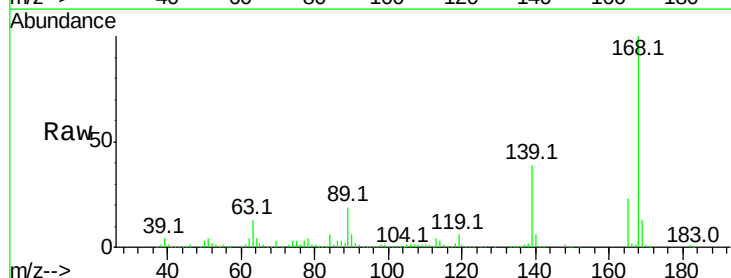
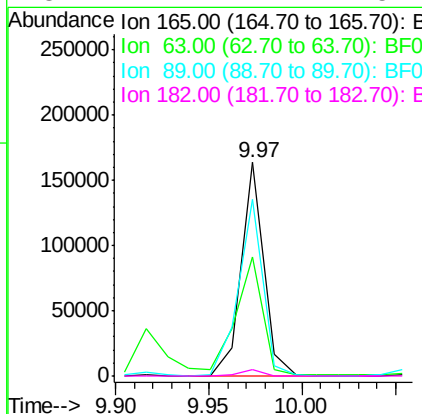
RT: 9.97 min Scan# 690

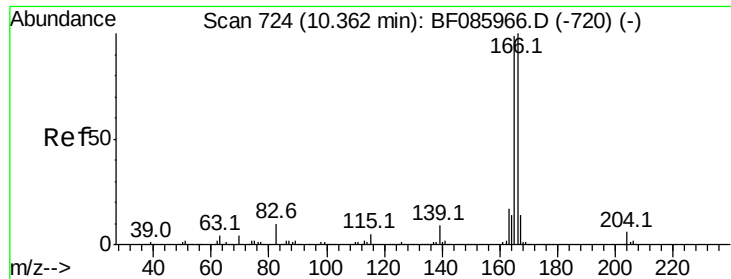
Delta R.T. -0.03 min

Lab File: BF086205.D

Acq: 9 Apr 2016 8:34

Tgt Ion:	165	Resp:	139201
Ion Ratio	Lower	Upper	
165	100		
63	56.0	24.9	37.3#
89	82.8	41.0	61.6#
182	2.7	2.1	3.1





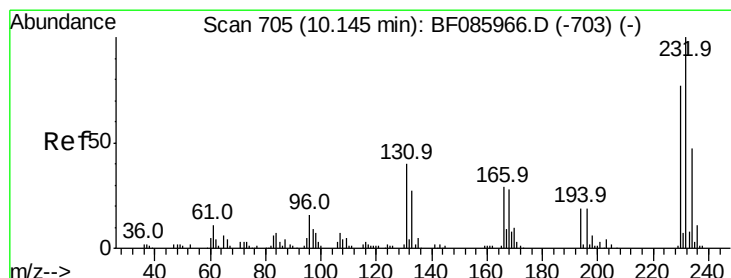
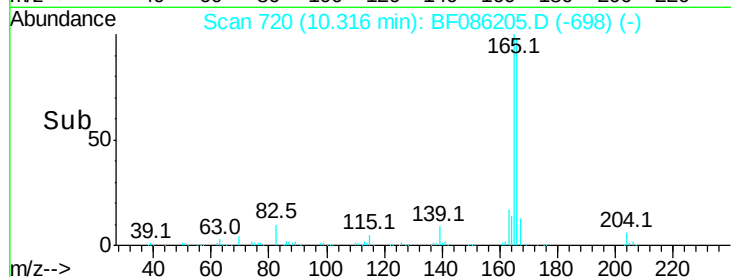
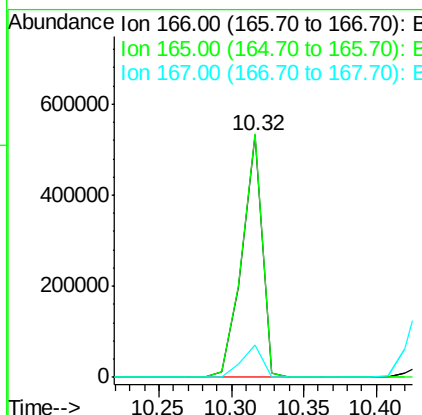
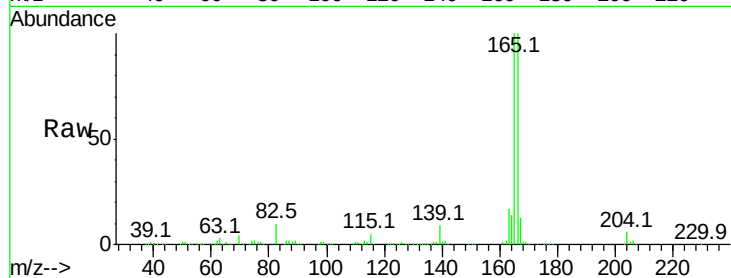
#57
 Fluorene
 Concen: 38.24 ng
 RT: 10.32 min Scan# 720
 Delta R.T. -0.05 min
 Lab File: BF086205.D
 Acq: 9 Apr 2016 8:34

Instrument :
 BNA_F
 ClientSampleId :
 SUMPPUMP-5MSD

Tot Ion	Ratio	Resp	Lower	Upper
166	100			
165	100.5	79.4	119.0	
167	13.4	11.0	16.4	

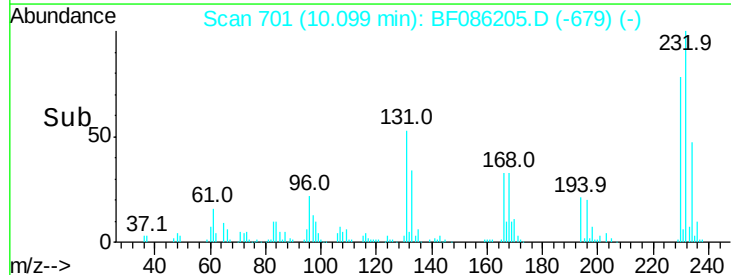
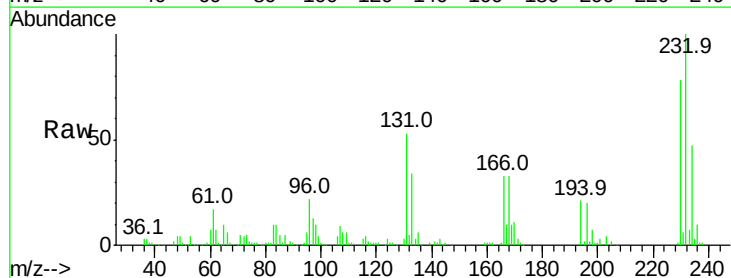
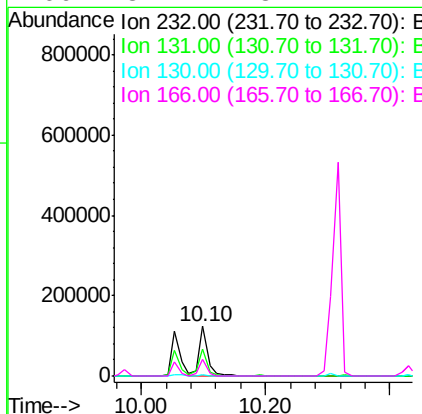
Manual Integrations
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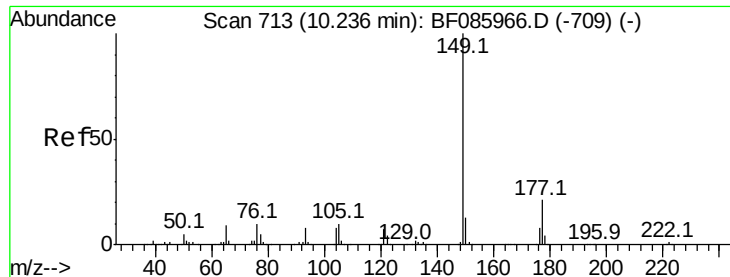
Sohil
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#58
 2,3,4,6-Tetrachlorophenol
 Concen: 42.14 ng
 RT: 10.10 min Scan# 701
 Delta R.T. -0.05 min
 Lab File: BF086205.D
 Acq: 9 Apr 2016 8:34

Tgt Ion	Ratio	Resp	Lower	Upper
232	100			
131	50.2	44.9	67.3	
130	2.6	2.3	3.5	
166	31.4	28.1	42.1	





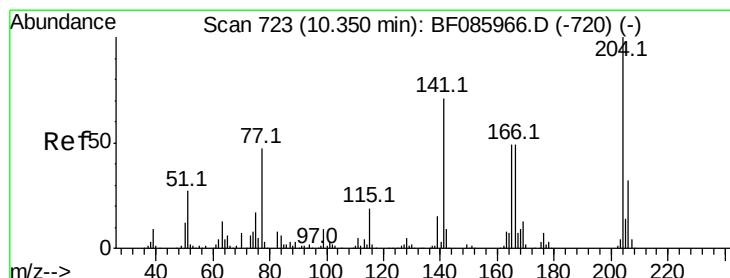
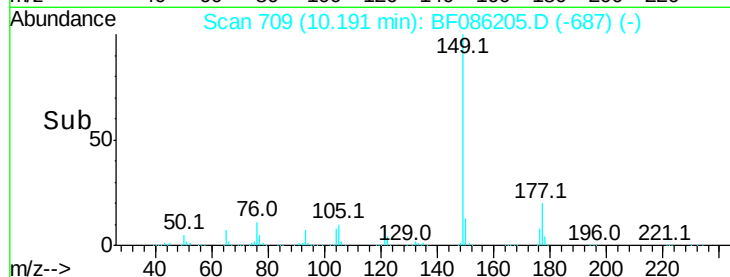
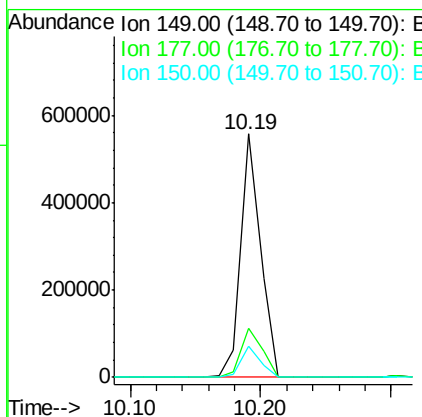
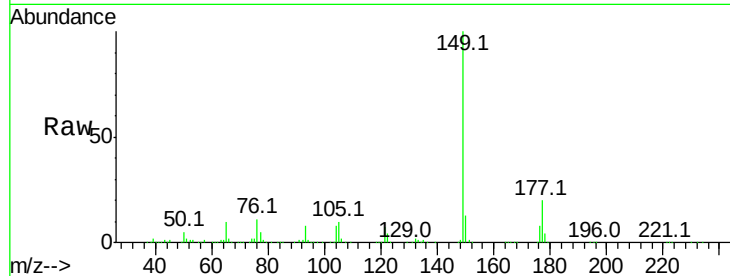
#59
Diethylphthalate
Concen: 38.93 ng
RT: 10.19 min Scan# 709
Delta R.T. -0.05 min
Lab File: BF086205.D
Acq: 9 Apr 2016 8:34

Instrument :
BNA_F
ClientSampleId :
SUMPPUMP-5MSD

Tot Ion	Ratio	Resp	Lower	Upper
149	100	586388		
177	20.4		17.9	26.9
150	12.8		10.2	15.2

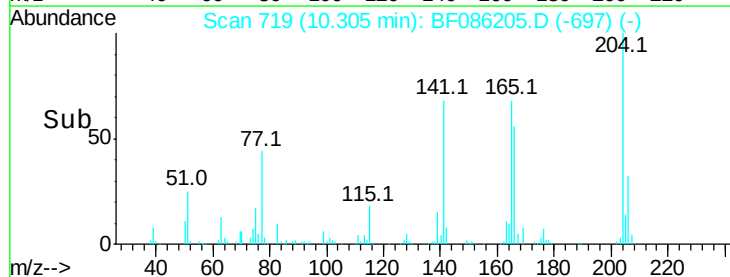
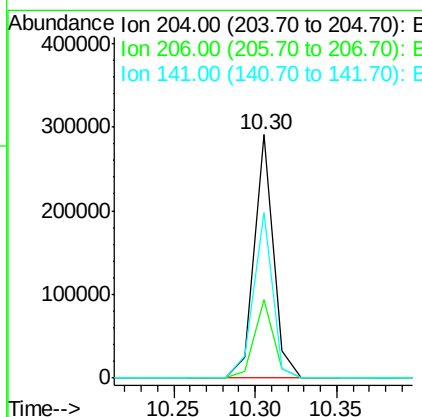
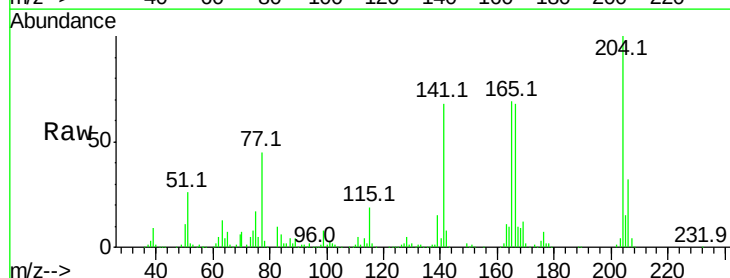
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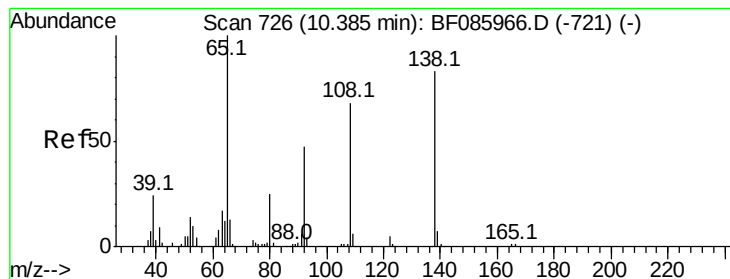
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#60
4-Chlorophenyl-phenylether
Concen: 38.05 ng
RT: 10.30 min Scan# 719
Delta R.T. -0.05 min
Lab File: BF086205.D
Acq: 9 Apr 2016 8:34

Tgt Ion	Ratio	Resp	Lower	Upper
204	100	239775		
206	32.4		26.6	39.8
141	68.2		57.4	86.0





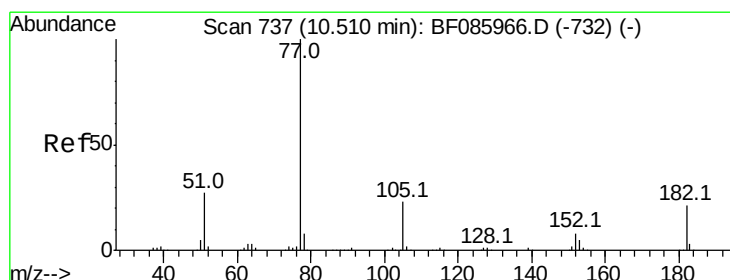
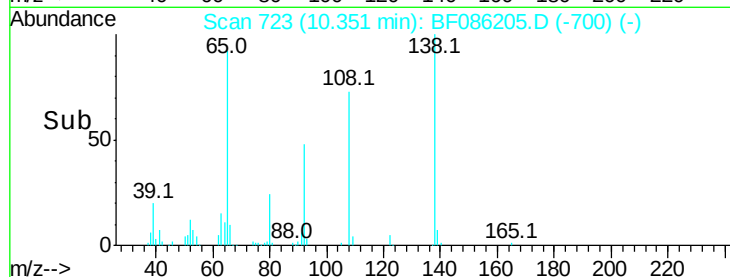
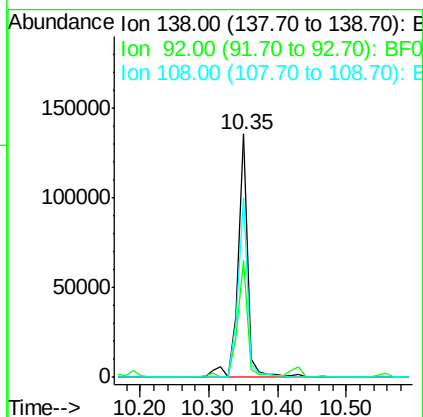
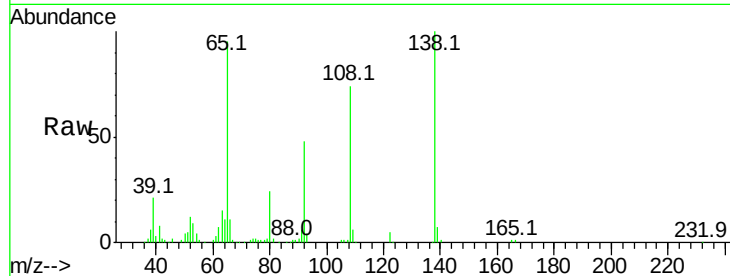
#61
4-Nitroaniline
Concen: 36.89 ng
RT: 10.35 min Scan# 723
Delta R.T. -0.03 min
Lab File: BF086205.D
Acq: 9 Apr 2016 8:34

Instrument :
BNA_F
ClientSampleId :
SUMPPUMP-5MSD

Tot Ion	Ratio	Resp	Lower	Upper
138	100			
92	48.2	26.4	66.4	
108	73.8	49.0	89.0	

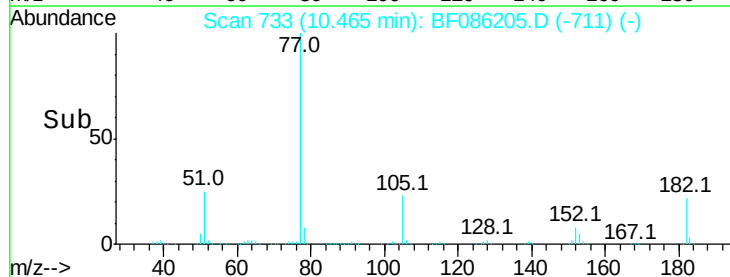
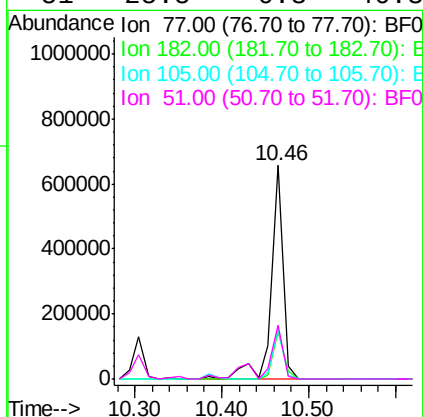
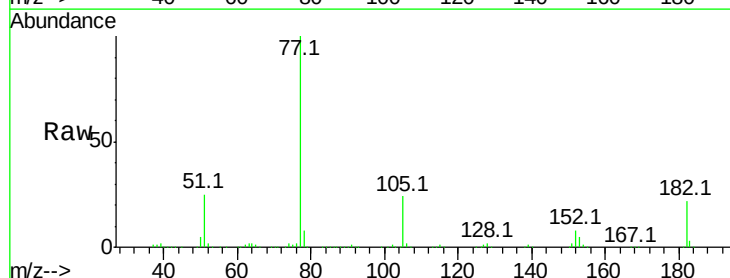
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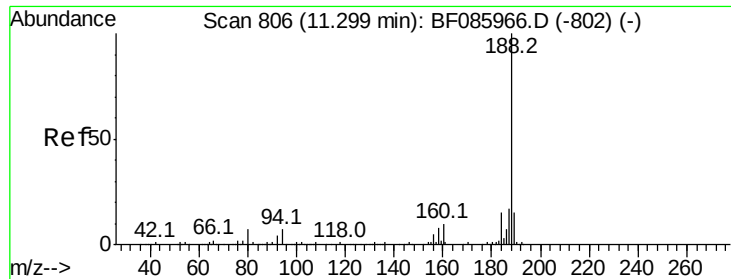
Sohil
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#62
Azobenzene
Concen: 42.71 ng
RT: 10.46 min Scan# 733
Delta R.T. -0.05 min
Lab File: BF086205.D
Acq: 9 Apr 2016 8:34

Tgt Ion	Ratio	Resp	Lower	Upper
77	100			
182	22.0	1.9	41.9	
105	23.6	3.5	43.5	
51	25.5	6.3	46.3	





#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 11.24 min Scan# 801

Delta R.T. -0.06 min

Lab File: BF086205.D

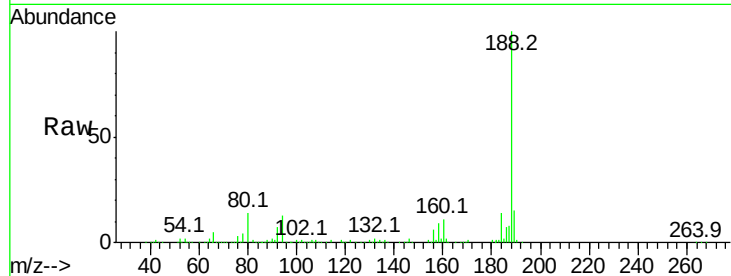
Acq: 9 Apr 2016 8:34

Instrument :
BNA_F
ClientSampleId :
SUMPPUMP-5MSD

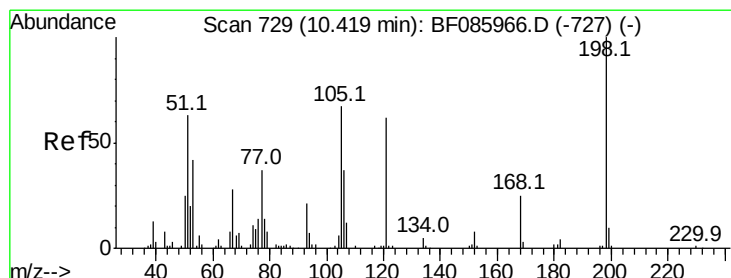
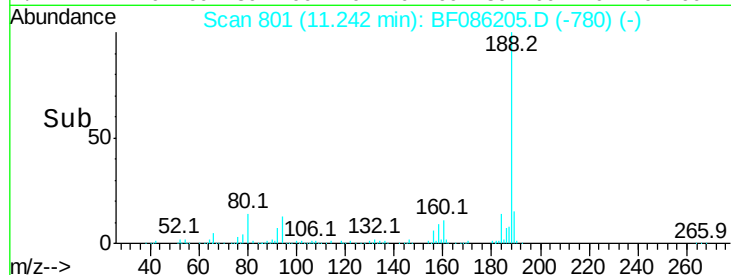
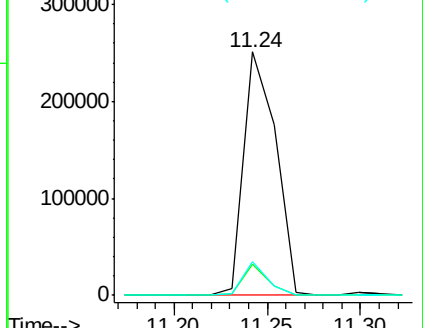
Tot Ion:	188	Resp:	300894
Ion Ratio	Lower	Upper	
188	100		
94	12.8	5.4	8.0#
80	13.9	5.5	8.3#

Manual Integrations
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Abundance Ion 188.00 (187.70 to 188.70): E



#64

4,6-Dinitro-2-methylphenol

Concen: 13.93 ng

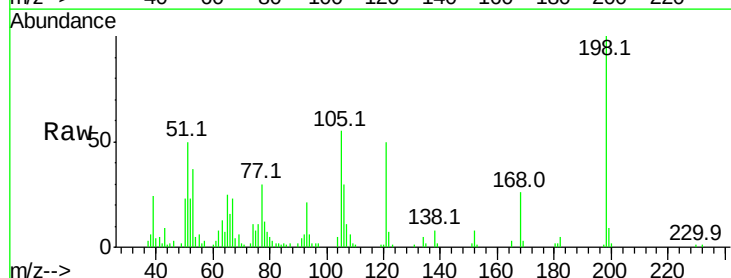
RT: 10.38 min Scan# 726

Delta R.T. -0.03 min

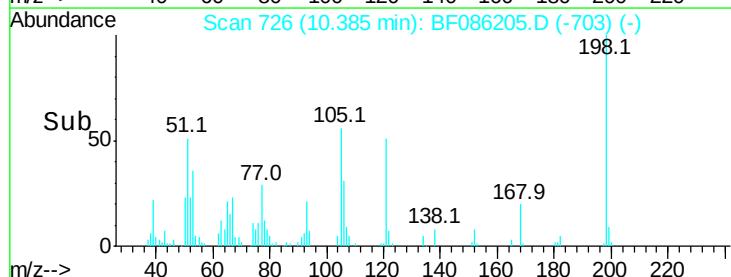
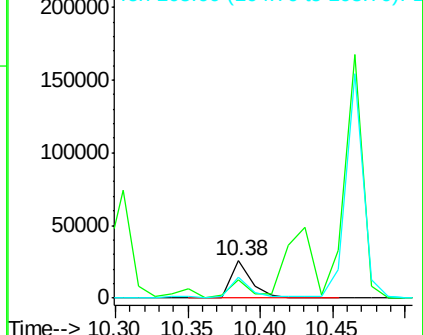
Lab File: BF086205.D

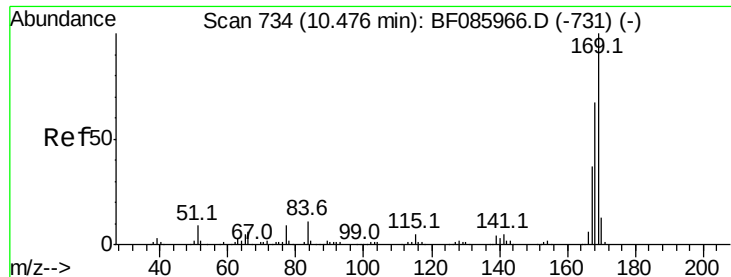
Acq: 9 Apr 2016 8:34

Tgt Ion:	198	Resp:	25405
Ion Ratio	Lower	Upper	
198	100		
51	49.7	45.4	85.4
105	55.5	45.9	85.9



Abundance Ion 198.00 (197.70 to 198.70): E





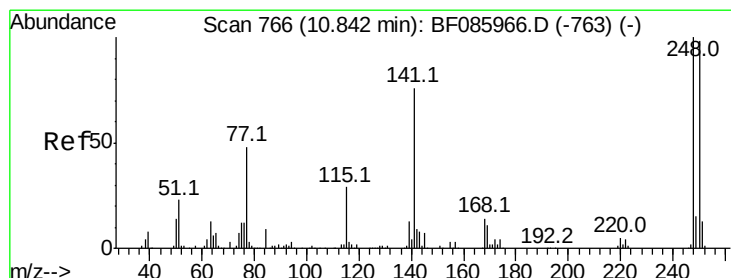
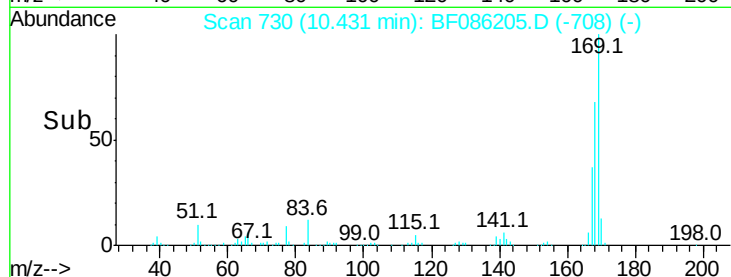
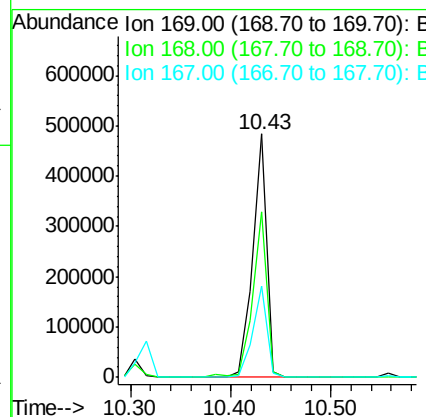
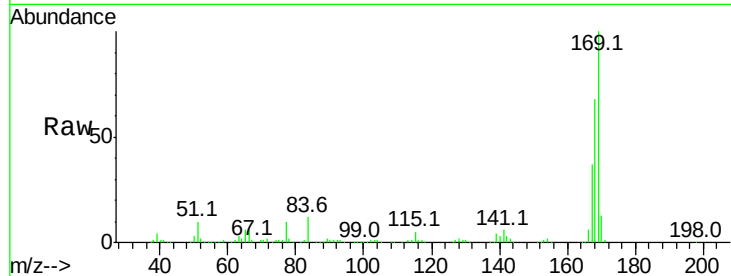
#65
 n-Nitrosodiphenylamine
 Concen: 49.46 ng
 RT: 10.43 min Scan# 730
 Delta R.T. -0.05 min
 Lab File: BF086205.D
 Acq: 9 Apr 2016 8:34

Instrument :
 BNA_F
 ClientSampleId :
 SUMPPUMP-5MSD

Tot Ion	Ratio	Resp	Lower	Upper
169	100	465428		
168	68.2		54.4	81.6
167	37.5		29.4	44.0

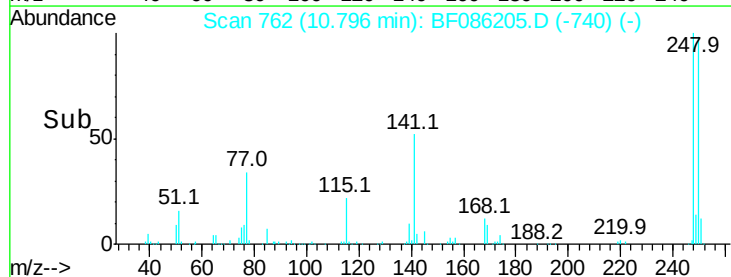
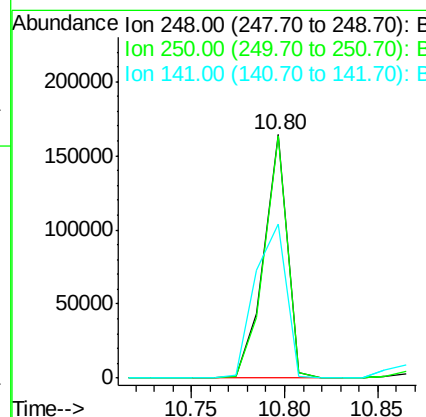
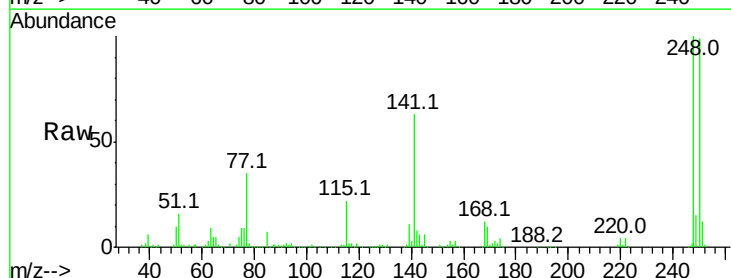
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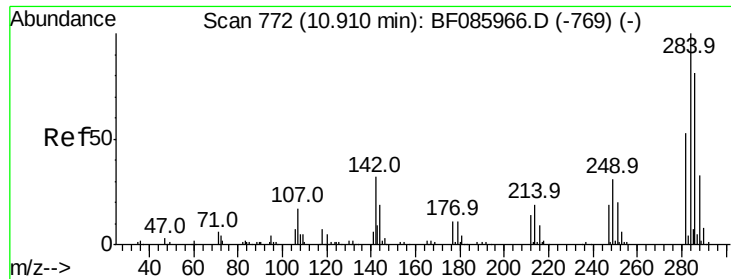
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#66
 4-Bromophenyl-phenylether
 Concen: 47.36 ng
 RT: 10.80 min Scan# 762
 Delta R.T. -0.05 min
 Lab File: BF086205.D
 Acq: 9 Apr 2016 8:34

Tgt Ion	Ratio	Resp	Lower	Upper
248	100	145480		
250	99.3		77.4	116.0
141	63.4		63.6	95.4





#67

Hexachlorobenzene

Concen: 46.14 ng

RT: 10.87 min Scan# 768

Delta R.T. -0.05 min

Lab File: BF086205.D

Acq: 9 Apr 2016 8:34

Instrument :

BNA_F

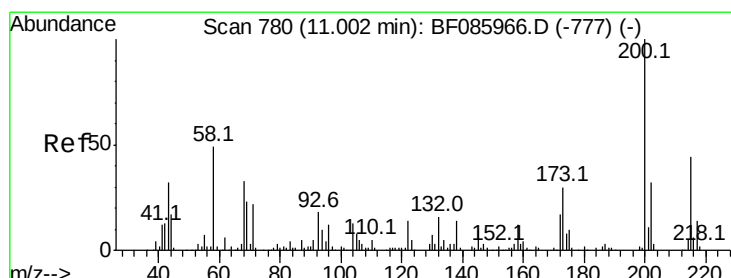
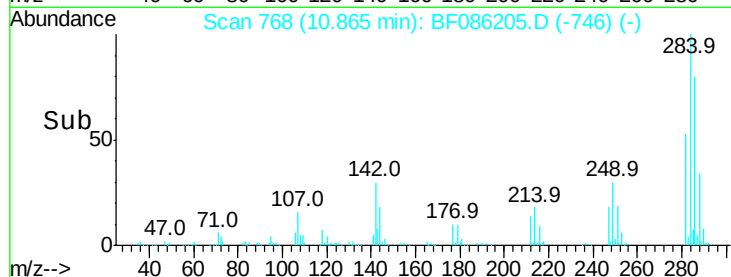
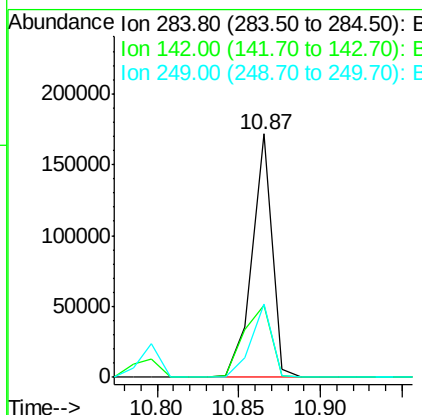
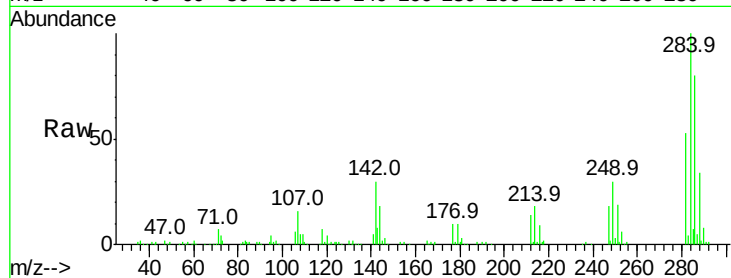
ClientSampleId :

SUMPPUMP-5MSD

Tot Ion:	284	Resp:	146569
Ion Ratio		Lower	Upper
284	100		
142	29.8	23.1	34.7
249	29.9	24.2	36.2

Manual Integrations
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#68

Atrazine

Concen: 36.31 ng

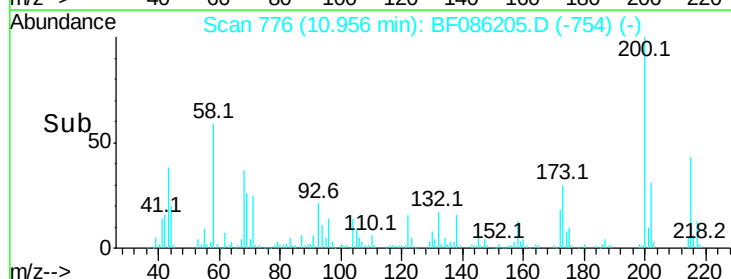
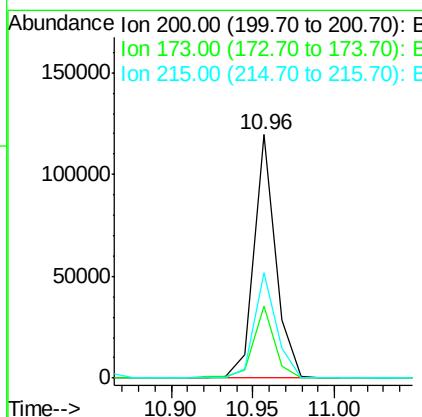
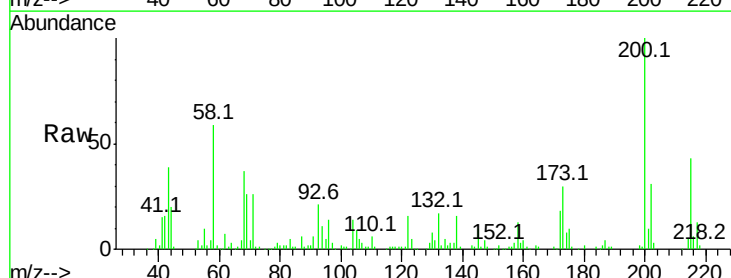
RT: 10.96 min Scan# 776

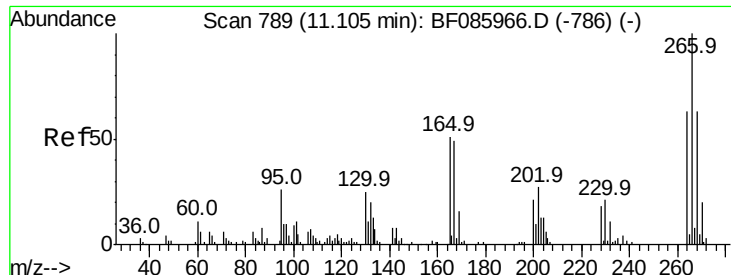
Delta R.T. -0.05 min

Lab File: BF086205.D

Acq: 9 Apr 2016 8:34

Tgt Ion:	200	Resp:	110391
Ion Ratio		Lower	Upper
200	100		
173	29.6	7.7	47.7
215	43.4	25.4	65.4





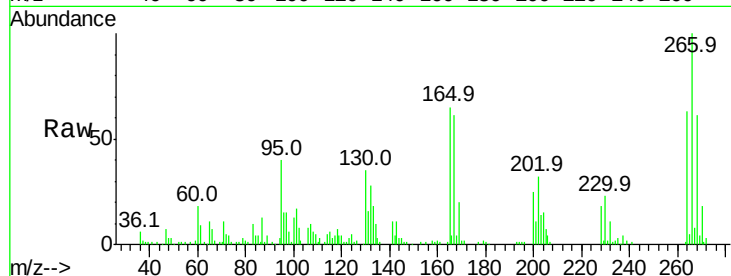
#69
 Pentachlorophenol
 Concen: 83.42 ng
 RT: 11.06 min Scan# 785
 Delta R.T. -0.05 min
 Lab File: BF086205.D
 Acq: 9 Apr 2016 8:34

Instrument :
 BNA_F
 ClientSampleId :
 SUMPPUMP-5MSD

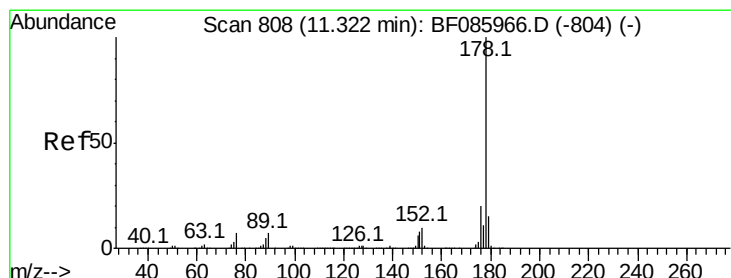
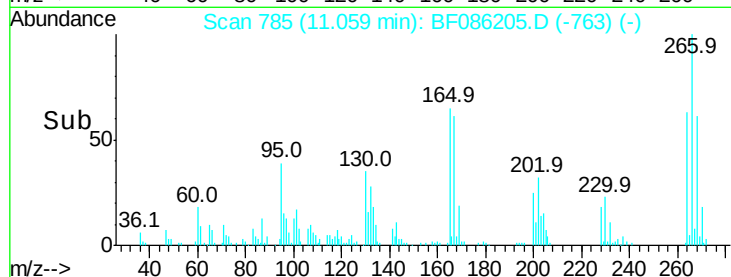
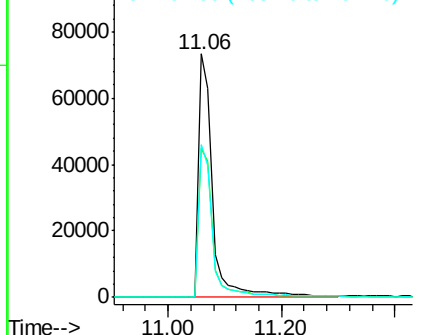
Tot Ion	Ratio	Resp	Lower	Upper
266	100	124199		
268	61.2	51.5	77.3	
264	63.0	50.6	76.0	

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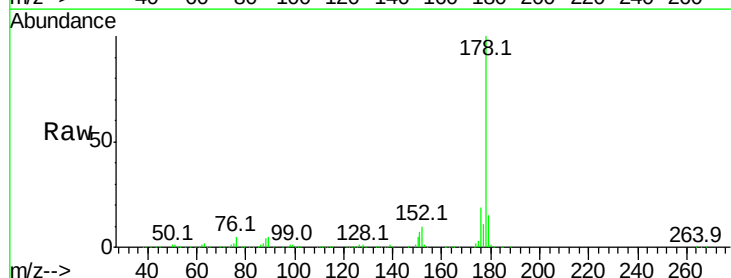


Abundance Ion 265.70 (265.40 to 266.40): E
 Ion 268.00 (267.70 to 268.70): E
 Ion 264.00 (263.70 to 264.70): E

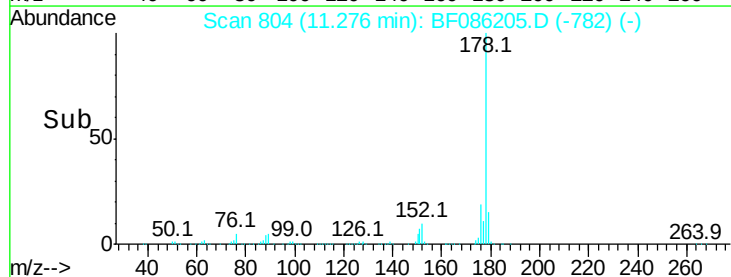
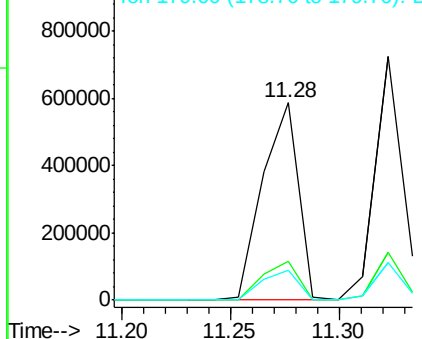


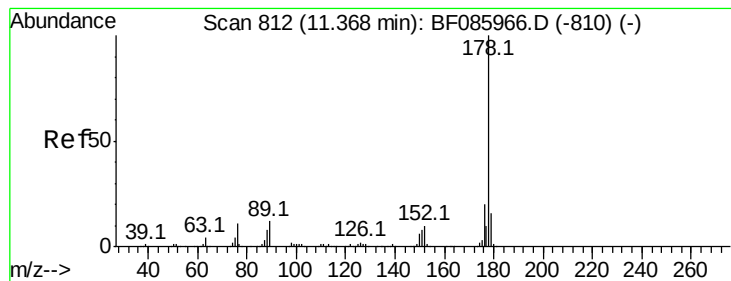
#70
 Phenanthrene
 Concen: 41.52 ng
 RT: 11.28 min Scan# 804
 Delta R.T. -0.05 min
 Lab File: BF086205.D
 Acq: 9 Apr 2016 8:34

Tgt Ion	Ratio	Resp	Lower	Upper
178	100	681572		
176	19.4	16.3	24.5	
179	15.0	12.6	18.8	



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





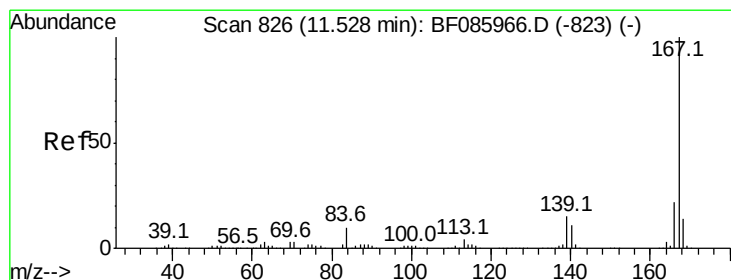
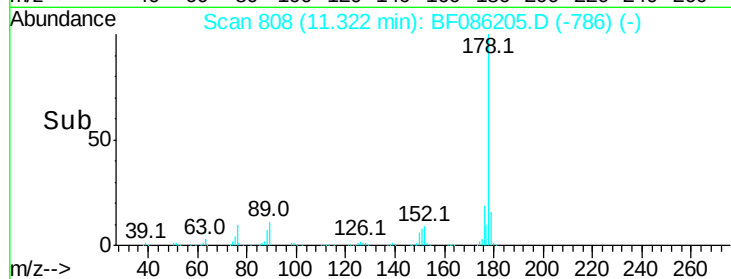
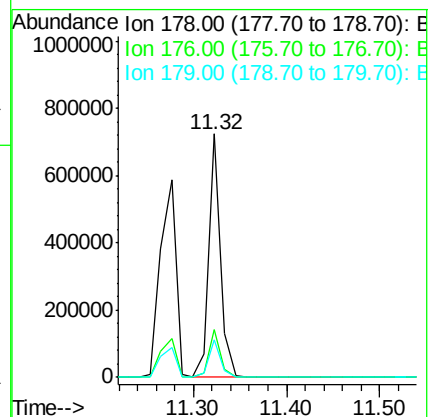
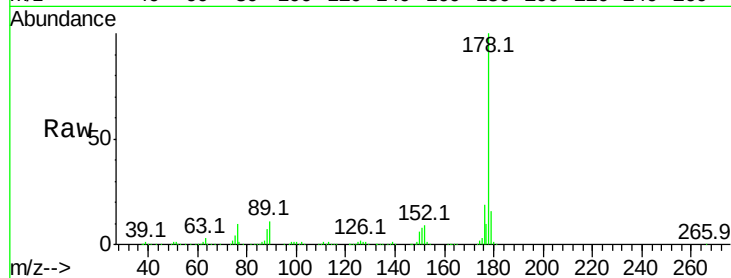
#71
 Anthracene
 Concen: 37.35 ng
 RT: 11.32 min Scan# 808
 Delta R.T. -0.05 min
 Lab File: BF086205.D
 Acq: 9 Apr 2016 8:34

Instrument :
 BNA_F
 ClientSampleId :
 SUMPPUMP-5MSD

Tot Ion	Ratio	Lower	Upper
178	100		
176	19.5	15.9	23.9
179	15.6	13.0	19.4

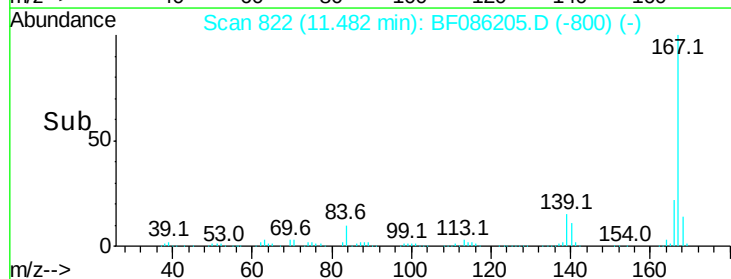
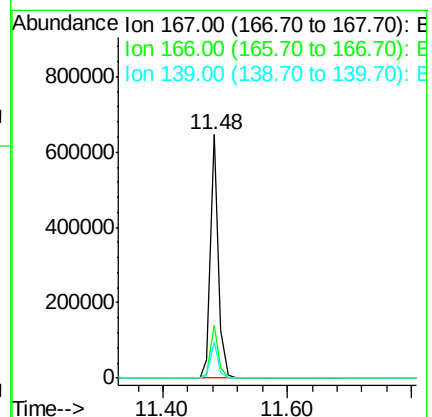
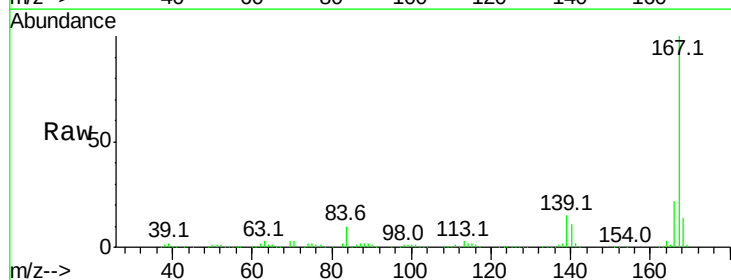
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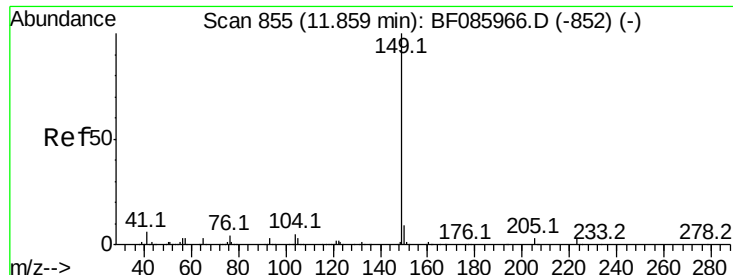
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 4/11/2016 5:45:32 PM



#72
 Carbazole
 Concen: 38.98 ng
 RT: 11.48 min Scan# 822
 Delta R.T. -0.05 min
 Lab File: BF086205.D
 Acq: 9 Apr 2016 8:34

Tgt Ion	Ratio	Lower	Upper
167	100		
166	21.9	17.8	26.8
139	14.8	11.6	17.4





#73

Di-n-butylphthalate

Concen: 47.48 ng

RT: 11.81 min Scan# 851

Delta R.T. -0.05 min

Lab File: BF086205.D

Acq: 9 Apr 2016 8:34

Instrument :

BNA_F

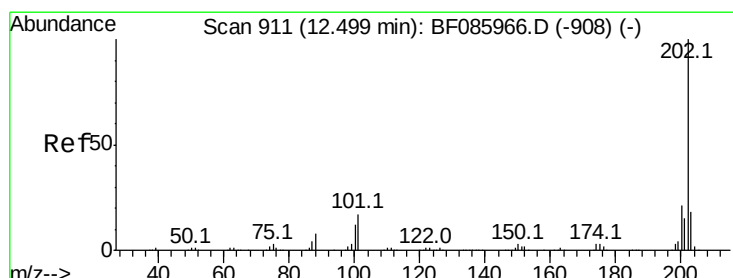
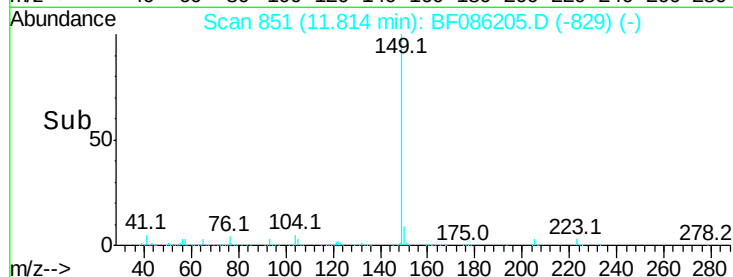
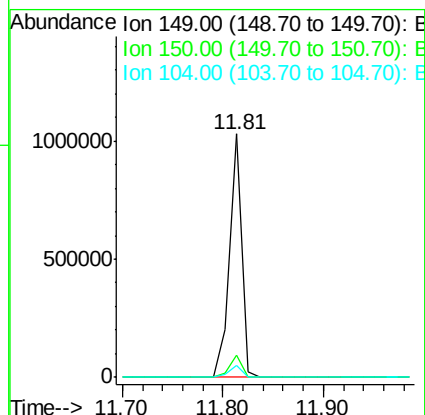
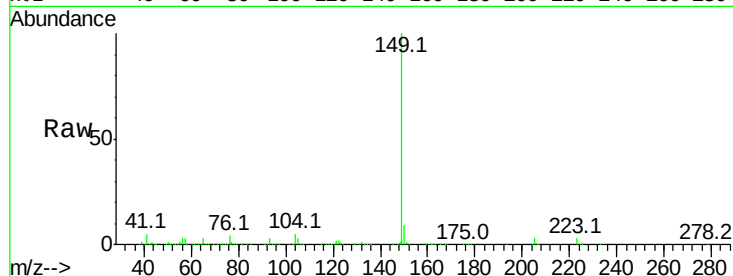
ClientSampleId :

SUMPPUMP-5MSD

Tot Ion:	149	Resp:	869621
Ion Ratio	Lower	Upper	
149	100		
150	9.3	7.6	11.4
104	4.8	3.8	5.8

Manual Integrations
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#74

Fluoranthene

Concen: 34.02 ng

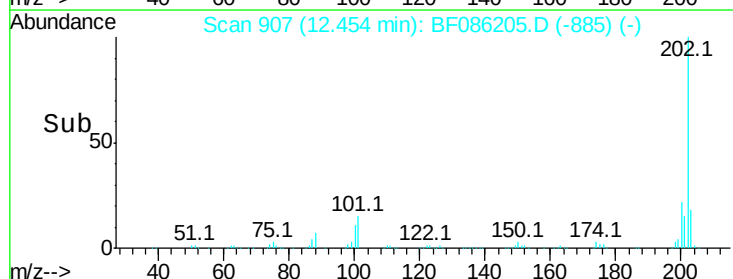
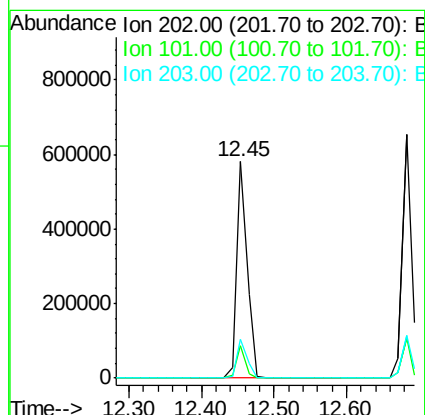
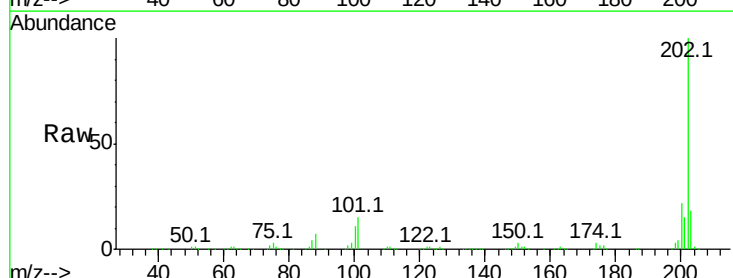
RT: 12.45 min Scan# 907

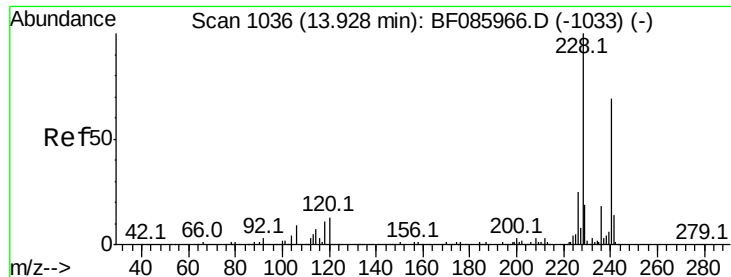
Delta R.T. -0.05 min

Lab File: BF086205.D

Acq: 9 Apr 2016 8:34

Tgt Ion:	202	Resp:	580755
Ion Ratio	Lower	Upper	
202	100		
101	14.9	0.0	36.6
203	18.2	0.0	38.1





#75

Chrysene-d12

Concen: 20.00 ng

RT: 13.88 min Scan# 1032

Delta R.T. -0.05 min

Lab File: BF086205.D

Acq: 9 Apr 2016 8:34

Instrument :

BNA_F

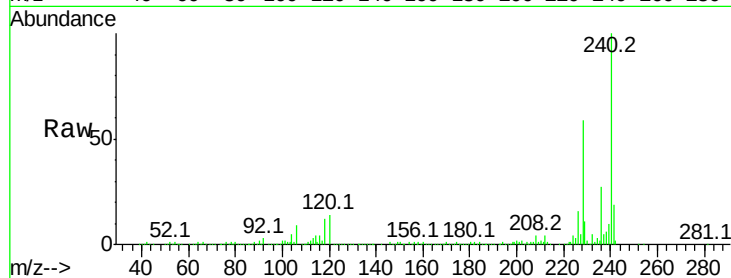
ClientSampleId :

SUMPPUMP-5MSD

Tot Ion	Ratio	Resp	Lower	Upper
240	100	238519		
120	13.6	13.8	20.8#	
236	26.7	20.6	30.8	

Manual Integrations
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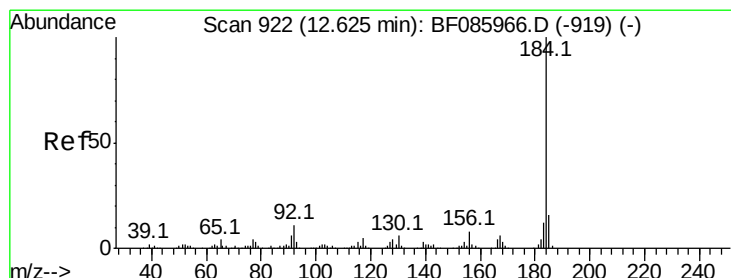
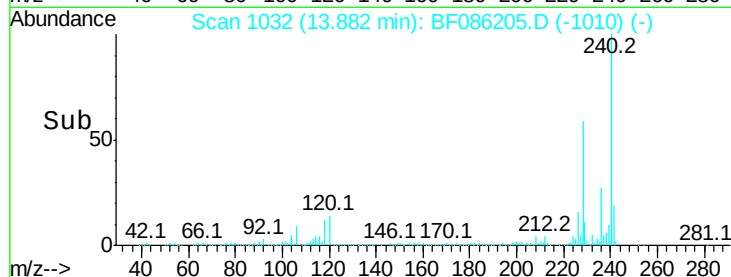
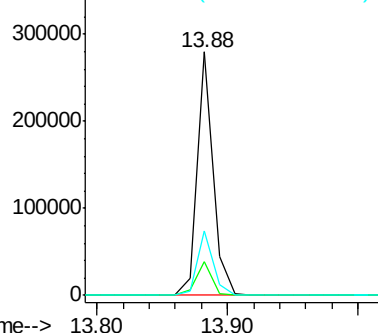
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Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E



#76

Benzidine

Concen: 28.82 ng

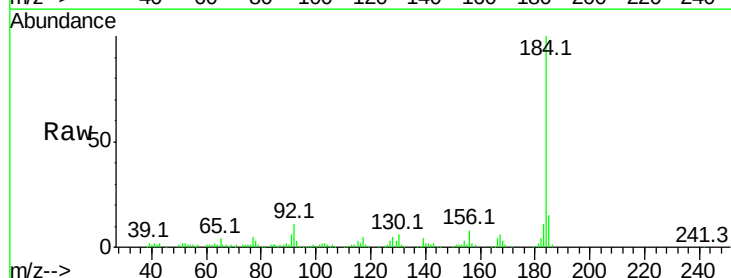
RT: 12.58 min Scan# 918

Delta R.T. -0.05 min

Lab File: BF086205.D

Acq: 9 Apr 2016 8:34

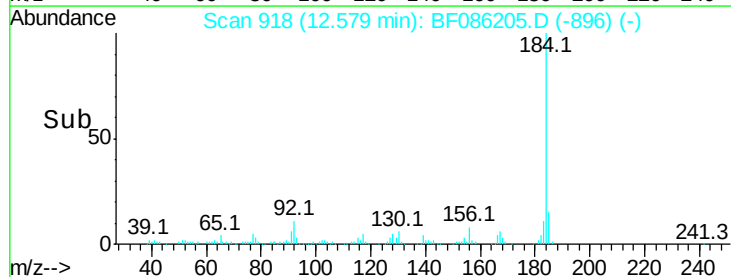
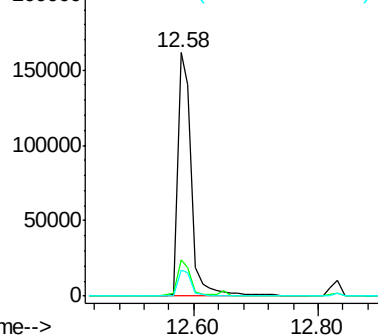
Tgt Ion	Ratio	Resp	Lower	Upper
184	100	242488		
185	14.7	12.4	18.6	
183	10.9	9.4	14.2	

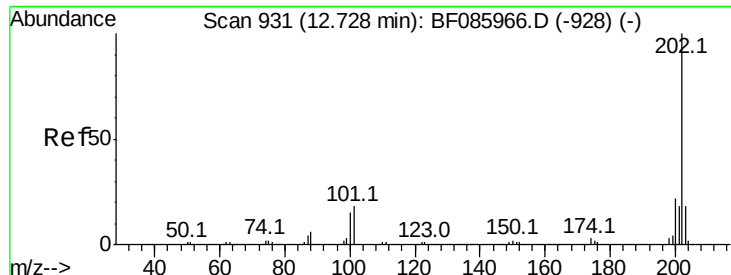


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E





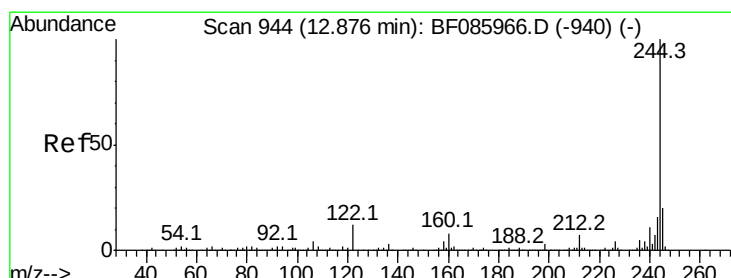
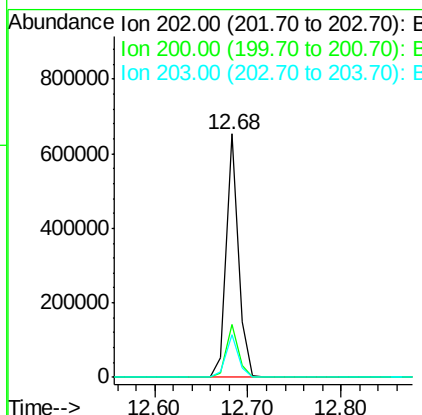
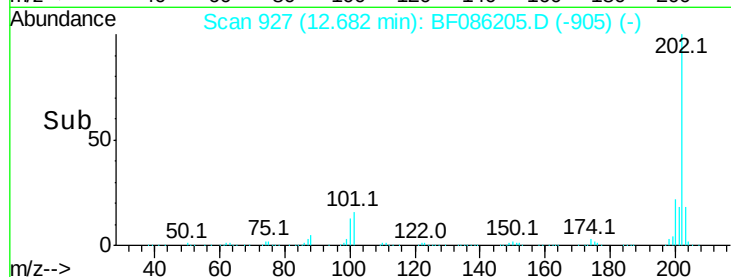
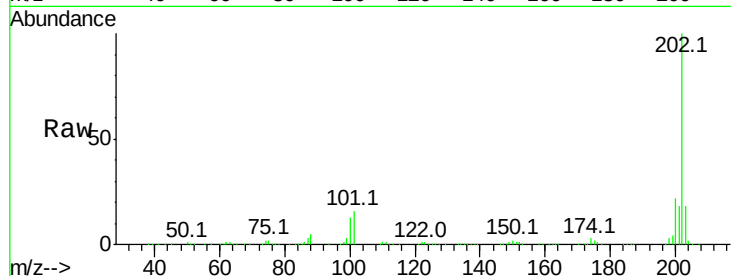
#77
 Pvrene
 Concen: 35.27 ng
 RT: 12.68 min Scan# 927
 Delta R.T. -0.05 min
 Lab File: BF086205.D
 Acq: 9 Apr 2016 8:34

Instrument :
 BNA_F
 ClientSampleId :
 SUMPPUMP-5MSD

Tot Ion	Ratio	Resp Lower	Upper
202	100		
200	21.8	17.6	26.4
203	17.7	14.0	21.0

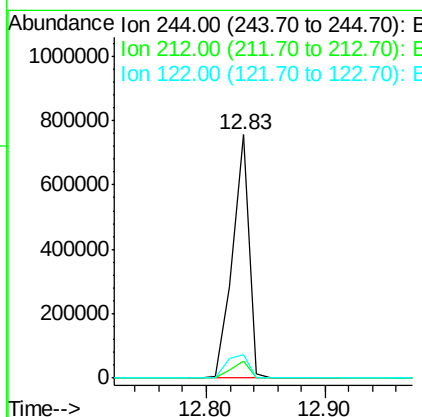
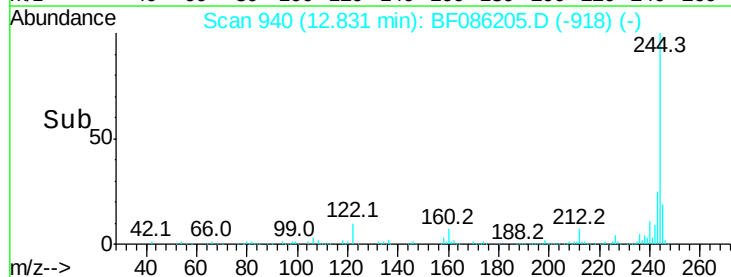
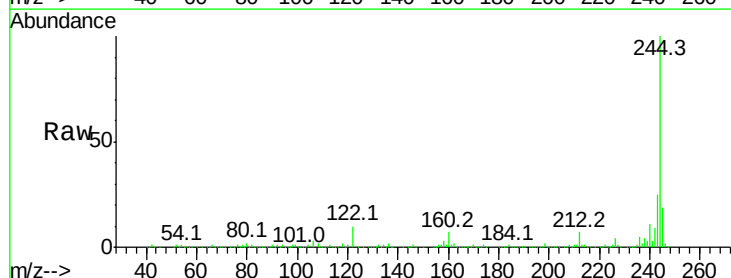
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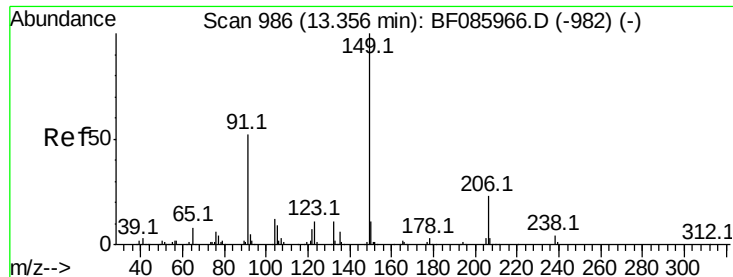
Sohil
 4/11/2016 5:45:32 PM



#78
 Terphenyl-d14
 Concen: 71.80 ng
 RT: 12.83 min Scan# 940
 Delta R.T. -0.05 min
 Lab File: BF086205.D
 Acq: 9 Apr 2016 8:34

Tgt Ion	Ratio	Resp Lower	Upper
244	100		
212	6.9	6.1	9.1
122	9.5	10.2	15.4#





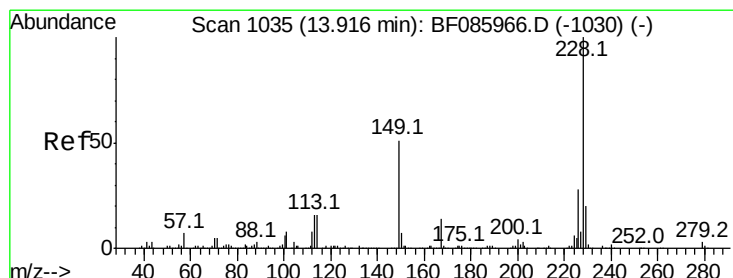
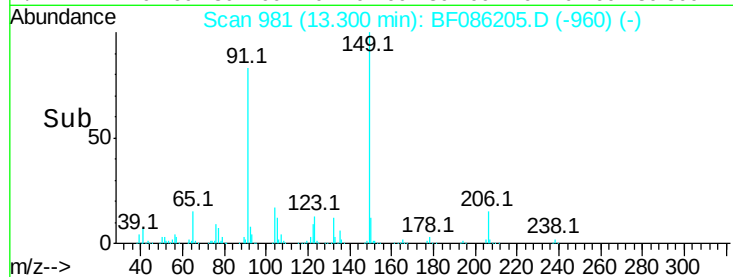
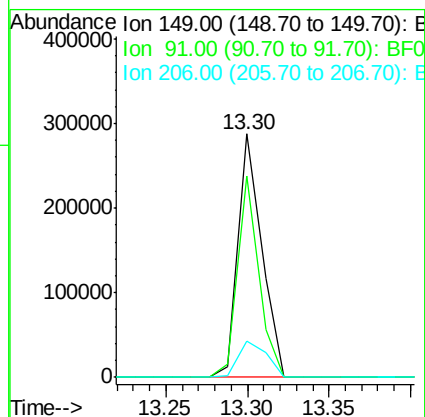
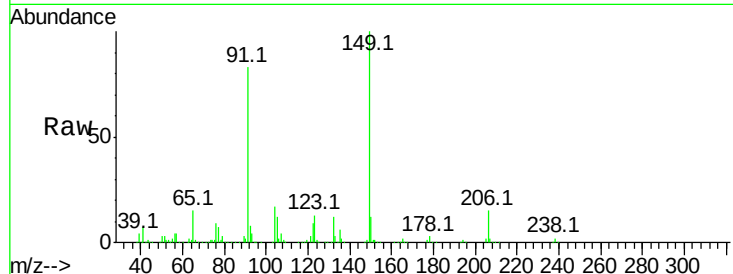
#79
Butylbenzylphthalate
Concen: 38.01 ng
RT: 13.30 min Scan# 981
Delta R.T. -0.06 min
Lab File: BF086205.D
Acq: 9 Apr 2016 8:34

Instrument :
BNA_F
ClientSampleId :
SUMPPUMP-5MSD

Tot Ion	Ratio	Resp Lower	Upper
149	100		
91	83.0	45.8	68.8#
206	14.9	17.8	26.8#

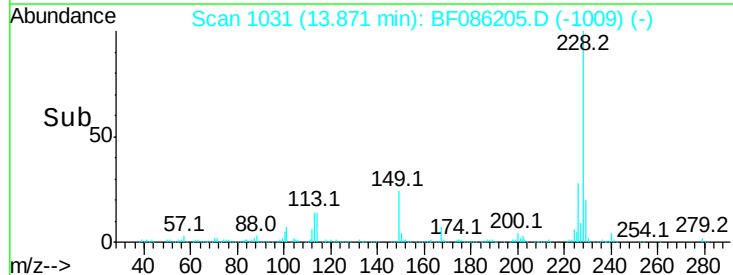
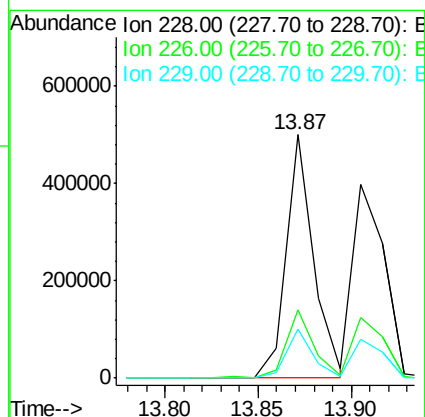
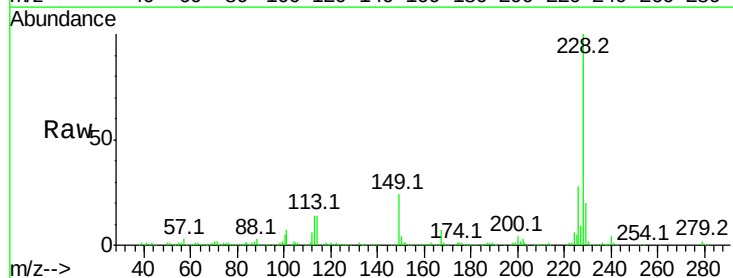
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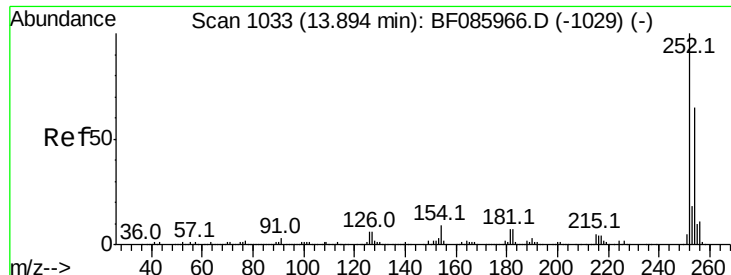
Sohil
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#80
Benzo(a)anthracene
Concen: 36.40 ng
RT: 13.87 min Scan# 1031
Delta R.T. -0.05 min
Lab File: BF086205.D
Acq: 9 Apr 2016 8:34

Tgt Ion	Ratio	Resp Lower	Upper
228	100		
226	27.8	22.1	33.1
229	20.0	16.2	24.4





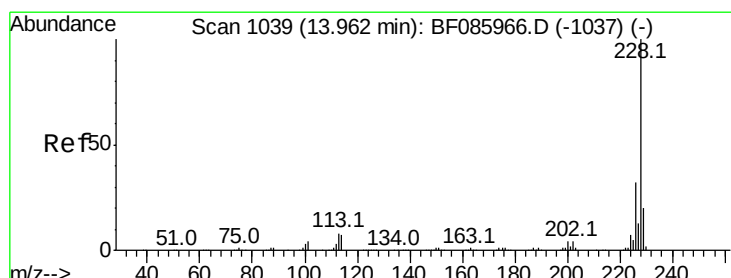
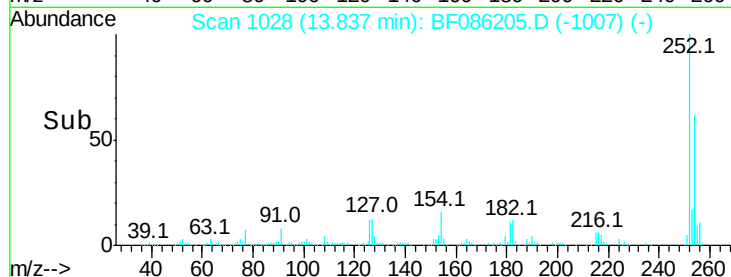
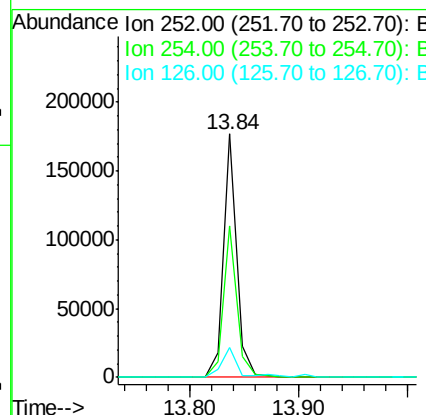
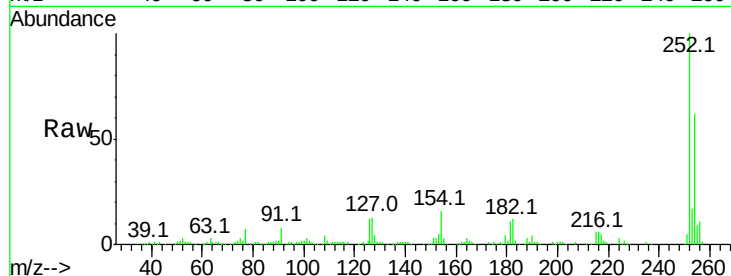
#81
 3,3'-Dichlorobenzidine
 Concen: 14.86 ng
 RT: 13.84 min Scan# 1028
 Delta R.T. -0.06 min
 Lab File: BF086205.D
 Acq: 9 Apr 2016 8:34

Instrument :
 BNA_F
 ClientSampleId :
 SUMPPUMP-5MSD

Tot Ion	Ratio	Resp	Lower	Upper
252	100	152603		
254	62.0	50.7	76.1	
126	12.4	11.8	17.6	

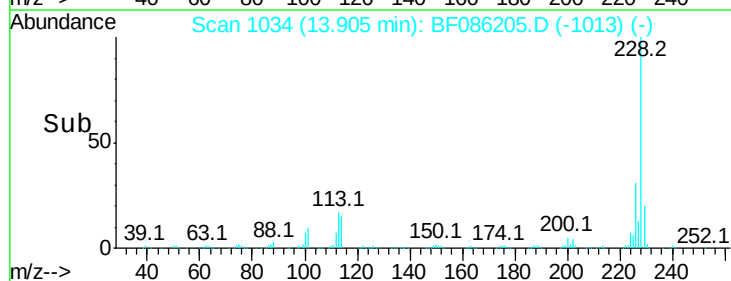
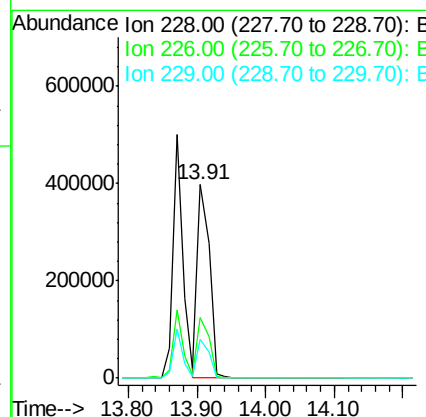
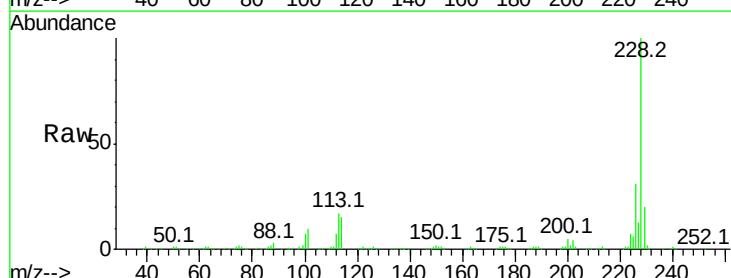
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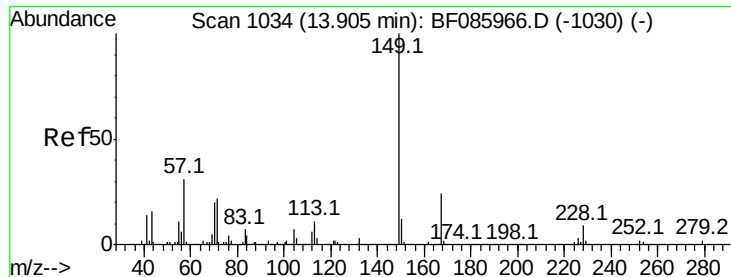
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#82
 Chrysene
 Concen: 35.15 ng
 RT: 13.91 min Scan# 1034
 Delta R.T. -0.06 min
 Lab File: BF086205.D
 Acq: 9 Apr 2016 8:34

Tgt Ion	Ratio	Resp	Lower	Upper
228	100	476029		
226	31.3	25.0	37.6	
229	20.0	15.7	23.5	





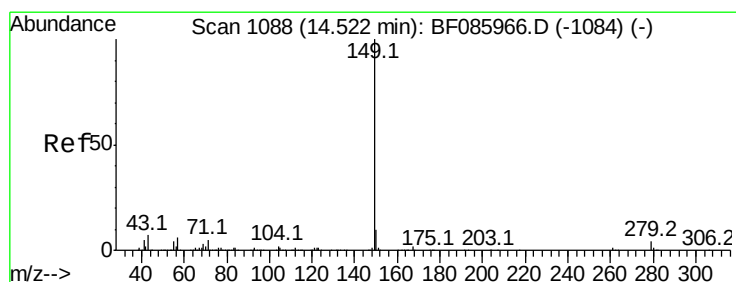
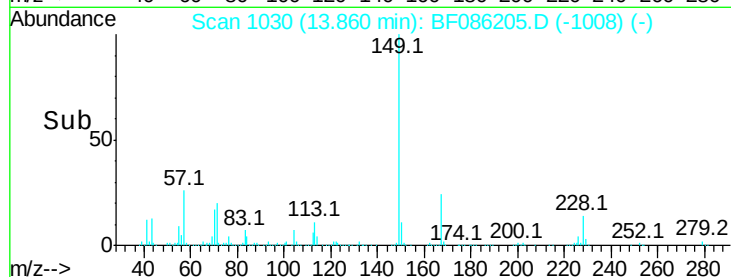
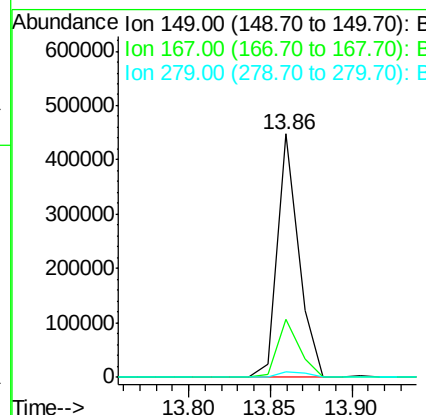
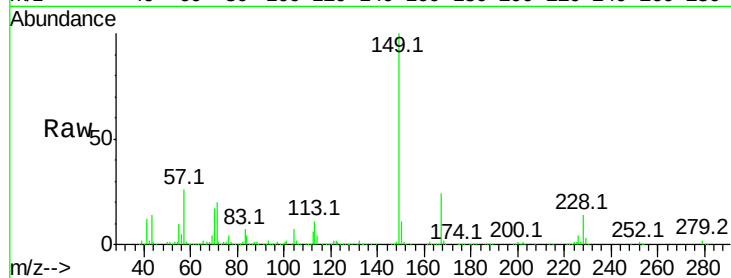
#83
 Bis(2-ethylhexyl)phthalate
 Concen: 40.92 ng
 RT: 13.86 min Scan# 1030
 Delta R.T. -0.05 min
 Lab File: BF086205.D
 Acq: 9 Apr 2016 8:34

Instrument :
 BNA_F
 ClientSampleId :
 SUMPPUMP-5MSD

Tot Ion	Ratio	Resp	Lower	Upper
149	100	410999		
167	24.0		19.4	29.2
279	2.1		1.5	2.3

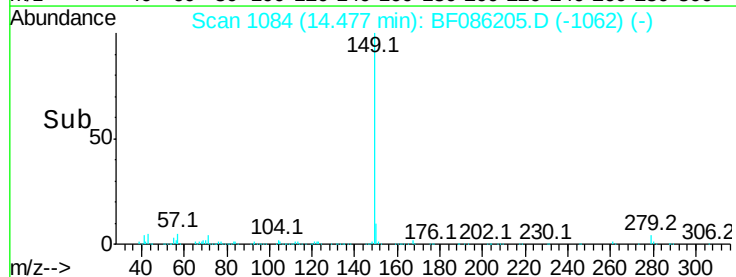
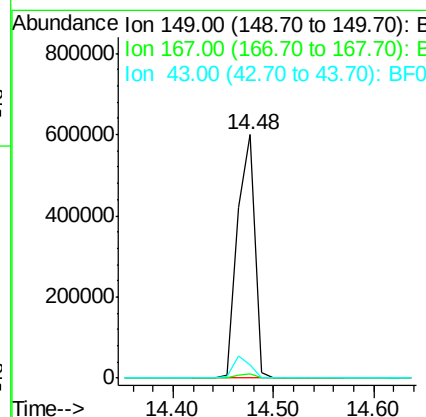
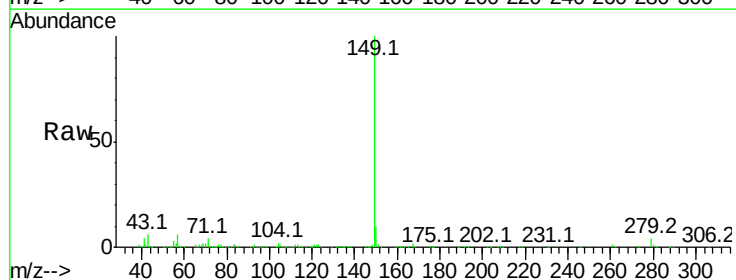
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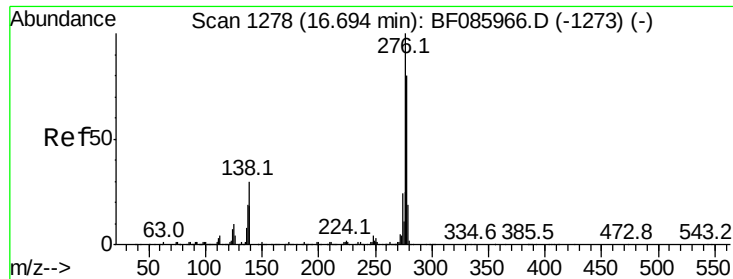
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#84
 Di-n-octyl phthalate
 Concen: 44.87 ng
 RT: 14.48 min Scan# 1084
 Delta R.T. -0.05 min
 Lab File: BF086205.D
 Acq: 9 Apr 2016 8:34

Tgt Ion	Ratio	Resp	Lower	Upper
149	100	719731		
167	1.6		1.2	1.8
43	8.5		7.1	10.7





#85

Indeno(1,2,3-cd)pyrene

Concen: 37.82 ng

RT: 16.61 min Scan# 1271

Delta R.T. -0.08 min

Lab File: BF086205.D

Acq: 9 Apr 2016 8:34

Instrument :

BNA_F

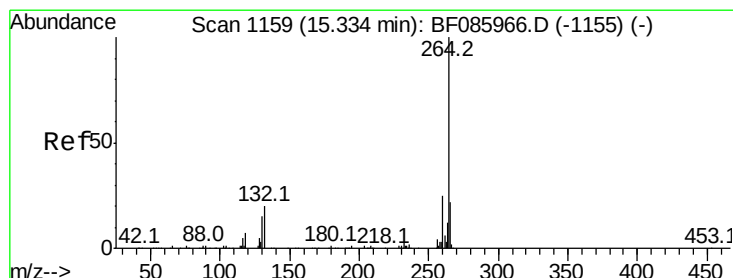
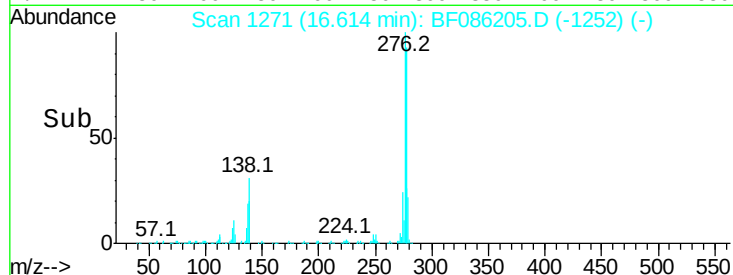
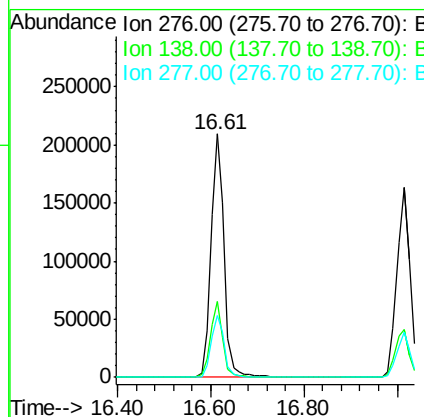
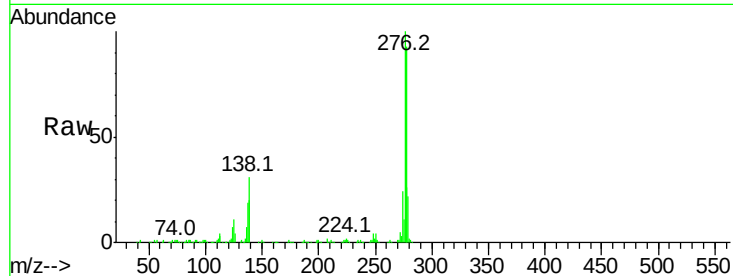
ClientSampleId :

SUMPPUMP-5MSD

Tot Ion:	276	Resp:	415613
Ion Ratio	Lower	Upper	
276	100		
138	29.0	24.2	36.4
277	25.4	20.0	30.0

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#86

Perylene-d12

Concen: 20.00 ng

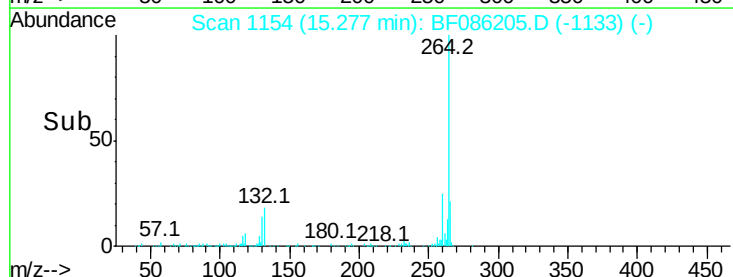
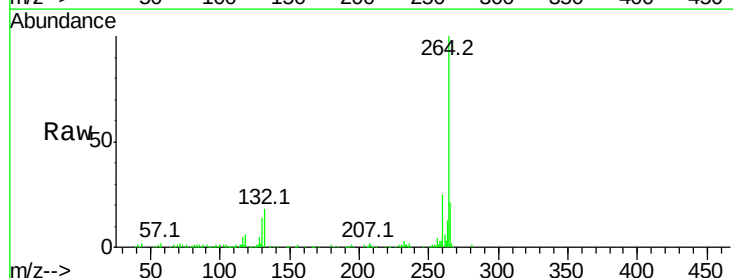
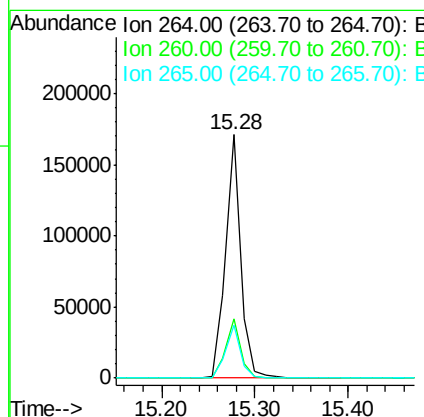
RT: 15.28 min Scan# 1154

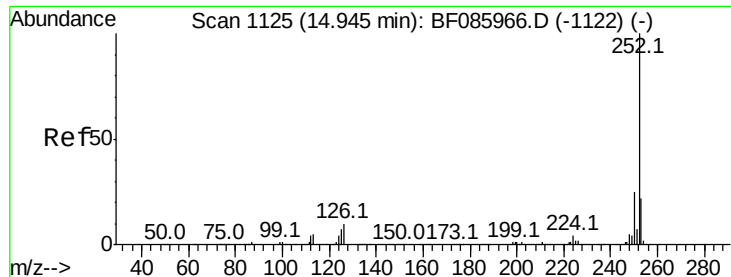
Delta R.T. -0.06 min

Lab File: BF086205.D

Acq: 9 Apr 2016 8:34

Tgt Ion:	264	Resp:	193167
Ion Ratio	Lower	Upper	
264	100		
260	24.6	19.4	29.2
265	21.5	17.2	25.8





#87

Benzo(b)fluoranthene

Concen: 39.11 ng m

RT: 14.89 min Scan# 1120

Delta R.T. -0.06 min

Lab File: BF086205.D

Acq: 9 Apr 2016 8:34

Instrument :

BNA_F

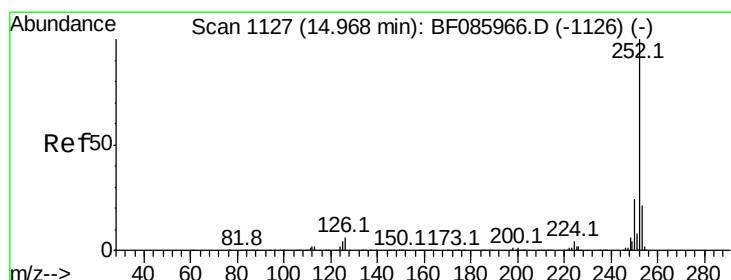
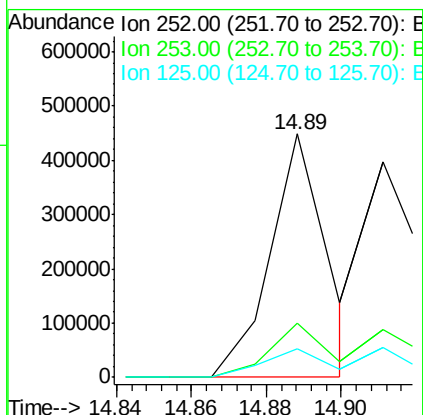
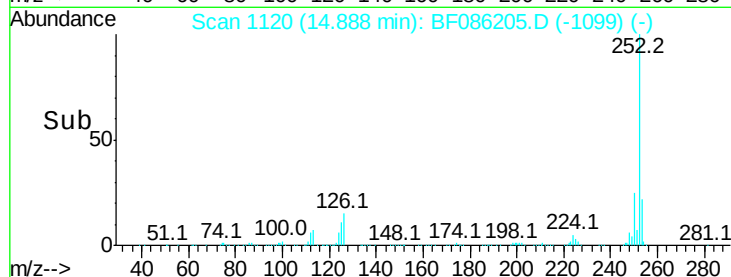
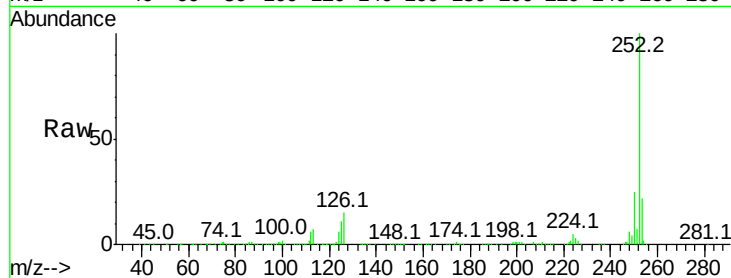
ClientSampleId :

SUMPPUMP-5MSD

Tot Ion:	252	Resp:	475240
Ion Ratio	Lower	Upper	
252	100		
253	22.1	17.6	26.4
125	11.5	10.3	15.5

Manual Integrations
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#88

Benzo(k)fluoranthene

Concen: 39.98 ng m

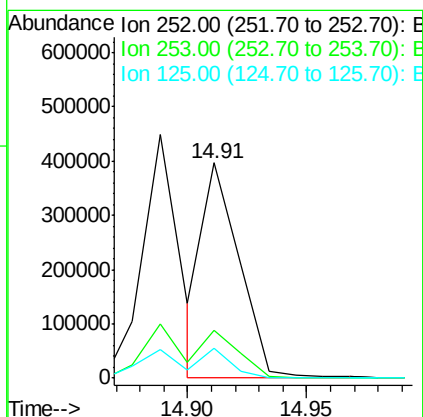
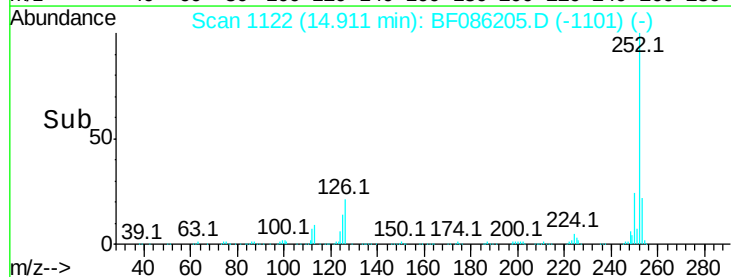
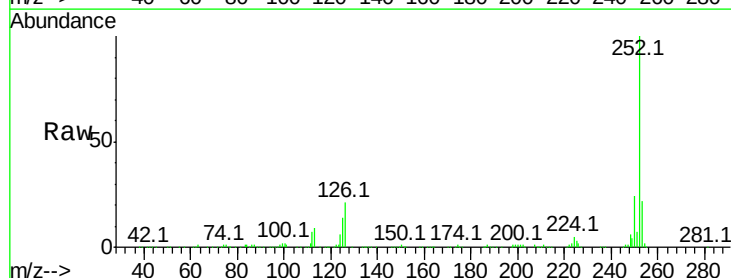
RT: 14.91 min Scan# 1122

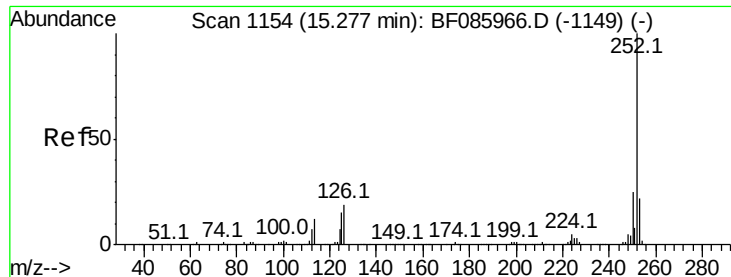
Delta R.T. -0.06 min

Lab File: BF086205.D

Acq: 9 Apr 2016 8:34

Tgt Ion:	252	Resp:	430224
Ion Ratio	Lower	Upper	
252	100		
253	22.3	17.8	26.6
125	13.9	7.7	11.5#





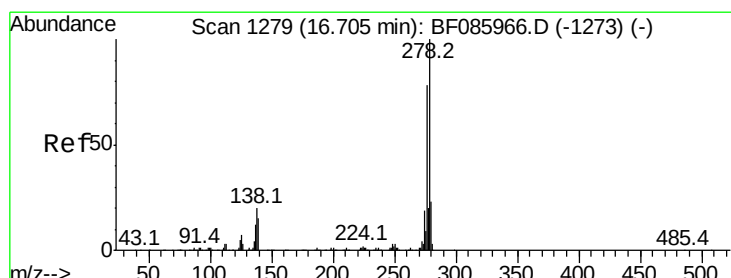
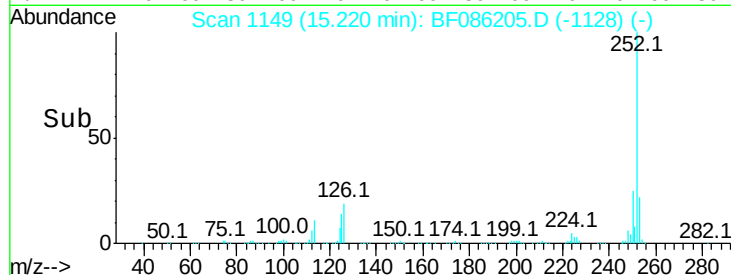
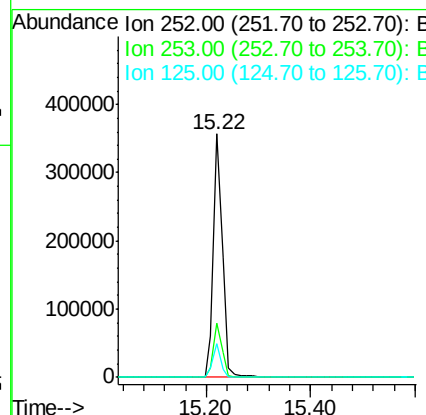
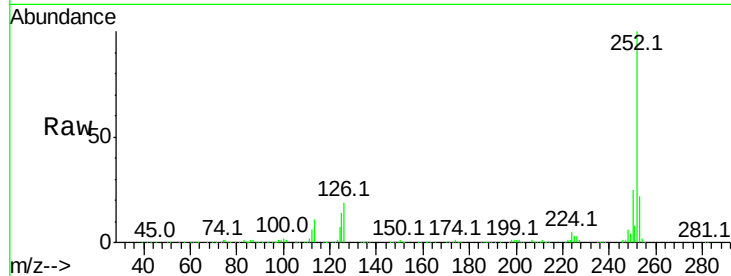
#89
Benzo(a)pyrene
Concen: 39.85 ng
RT: 15.22 min Scan# 1149
Delta R.T. -0.06 min
Lab File: BF086205.D
Acq: 9 Apr 2016 8:34

Instrument :
BNA_F
ClientSampleId :
SUMPPUMP-5MSD

Tot Ion	Ratio	Lower	Upper
252	100		
253	22.2	17.4	26.0
125	13.8	10.3	15.5

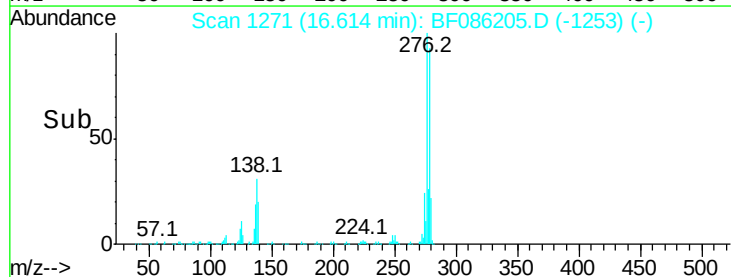
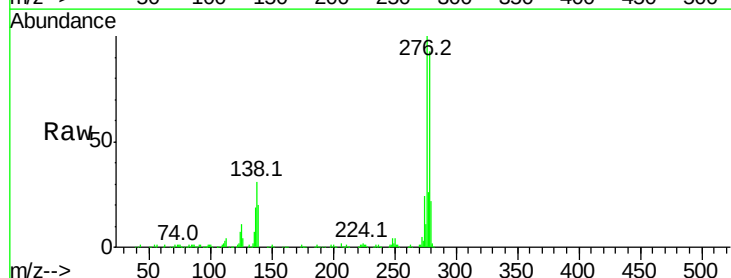
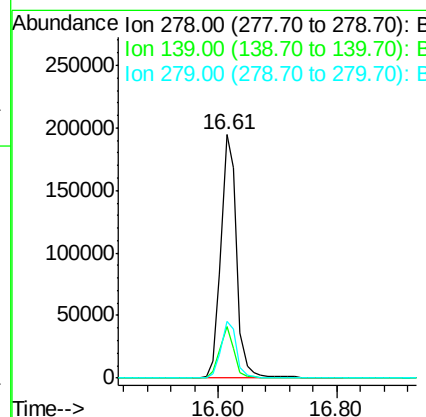
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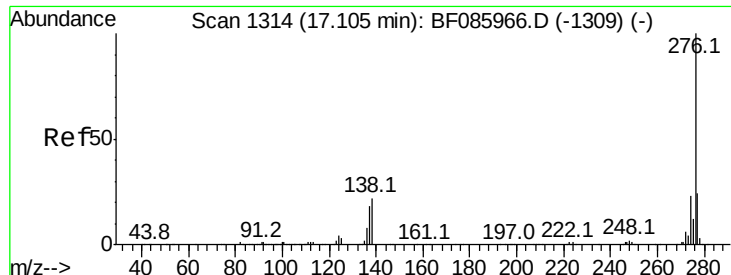
Sohil
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#90
Dibenzo(a,h)anthracene
Concen: 41.40 ng
RT: 16.61 min Scan# 1271
Delta R.T. -0.09 min
Lab File: BF086205.D
Acq: 9 Apr 2016 8:34

Tgt Ion	Ratio	Lower	Upper
278	100		
139	21.1	14.4	21.6
279	23.3	19.1	28.7





#91
 Benzo(a,h,i)perylene
 Concen: 39.62 ng
 RT: 17.01 min Scan# 1306
 Delta R.T. -0.09 min
 Lab File: BF086205.D
 Acq: 9 Apr 2016 8:34

Instrument :
 BNA_F
 ClientSampleId :
 SUMPPUMP-5MSD

Tot Ion:	276	Resp:	332104
Ion Ratio	Lower	Upper	
276	100		
277	23.8	18.8	28.2
138	25.1	22.6	34.0

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