

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF031116\
 Data File : BF085389.D
 Acq On : 11 Mar 2016 23:21
 Operator : UM/SJ
 Sample : H1758-05MSD
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 POST-EX-19-20160310MSD

Manual Integrations
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 3/14/2016 10:45:40 AM

Quant Time: Mar 14 03:53:06 2016
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF030316.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Mar 04 00:54:58 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.94	152	173427	20.00	ng	-0.05
21) Naphthalene-d8	8.23	136	651154	20.00	ng	-0.03
38) Acenaphthene-d10	9.98	164	279304	20.00	ng	-0.05
63) Phenanthrene-d10	11.46	188	461440	20.00	ng	-0.05
75) Chrysene-d12	14.12	240	277289	20.00	ng	-0.03
86) Perylene-d12	15.57	264	293290	20.00	ng	-0.05

System Monitoring Compounds

5) 2-Fluorophenol	5.54	112	1399605	135.37	ng	-0.03
7) Phenol-d6	6.57	99	1674140	123.59	ng	-0.03
23) Nitrobenzene-d5	7.51	82	1278600	105.08	ng	-0.03
41) 2,4,6-Tribromophenol	10.78	330	424083	177.45	ng	-0.03
44) 2-Fluorobiphenyl	9.30	172	1579981	86.03	ng	-0.05
78) Terphenyl-d14	13.05	244	1186594	99.34	ng	-0.03

Target Compounds

						Qvalue
2) 1,4-Dioxane	2.65	88	196231	37.11	ng	99
3) Pyridine	3.41	79	565808	42.76	ng	97
4) n-Nitrosodimethylamine	3.36	42	251838	44.47	ng	93
6) Aniline	6.60	93	721835	38.02	ng	92
8) 2-Chlorophenol	6.72	128	555606	44.64	ng	96
9) Benzaldehyde	6.48	77	141192	18.88	ng	95
10) Phenol	6.58	94	569823m	39.28	ng	
11) bis(2-Chloroethyl)ether	6.68	93	583666m	48.44	ng	
12) 1,3-Dichlorobenzene	6.88	146	615730	46.08	ng	99
13) 1,4-Dichlorobenzene	6.95	146	584765	43.66	ng	99
14) 1,2-Dichlorobenzene	7.11	146	559692	46.06	ng	99
15) Benzyl Alcohol	7.08	79	521566	52.45	ng	99
16) 2,2'-oxybis(1-Chloropropan	7.21	45	709379	40.84	ng	98
17) 2-Methylphenol	7.19	107	481135	47.37	ng	96
18) Hexachloroethane	7.45	117	220159	44.56	ng	100
19) n-Nitroso-di-n-propylamine	7.36	70	426258	48.28	ng	96
20) 3+4-Methylphenols	7.35	107	574387	47.74	ng	# 86
22) Acetophenone	7.35	105	701924	44.16	ng	# 91
24) Nitrobenzene	7.52	77	548863	44.40	ng	97
25) Isophorone	7.76	82	1143477	50.71	ng	100
26) 2-Nitrophenol	7.84	139	328177	54.56	ng	# 80
27) 2,4-Dimethylphenol	7.88	122	504486	45.89	ng	94
28) bis(2-Chloroethoxy)methane	7.98	93	734675	58.50	ng	98
29) 2,4-Dichlorophenol	8.08	162	451275	50.90	ng	90
30) 1,2,4-Trichlorobenzene	8.16	180	479327	50.00	ng	100
31) Naphthalene	8.25	128	1626765	50.81	ng	98
32) Benzoic acid	7.96	122	64382	8.82	ng	91
33) 4-Chloroaniline	8.30	127	461948	35.67	ng	# 88
34) Hexachlorobutadiene	8.37	225	258271	51.78	ng	99
35) Caprolactam	8.68	113	165664m	57.21	ng	
36) 4-Chloro-3-methylphenol	8.78	107	488400	48.56	ng	99
37) 2-Methylnaphthalene	8.94	142	959217	46.68	ng	98
39) 1,2,4,5-Tetrachlorobenzene	9.11	216	446092	55.85	ng	98
40) Hexachlorocyclopentadiene	9.10	237	272934	63.35	ng	97

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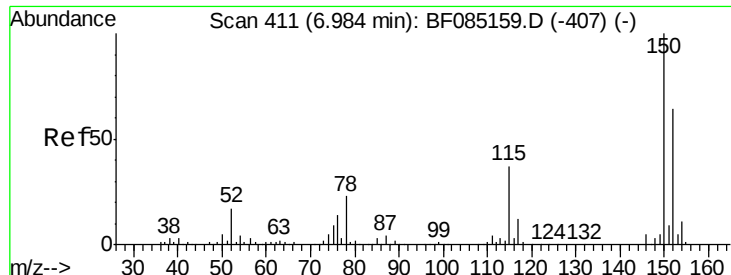
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) 2,4,6-Trichlorophenol	9.21	196	307307	51.68	ng	98
43) 2,4,5-Trichlorophenol	9.26	196	314418	55.77	ng	95
45) 1,1'-Biphenyl	9.41	154	1203997	50.46	ng	96
46) 2-Chloronaphthalene	9.43	162	871084	47.89	ng	94
47) 2-Nitroaniline	9.52	65	272505	48.35	ng	92
48) Acenaphthylene	9.84	152	1429043	50.48	ng	99
49) Dimethylphthalate	9.70	163	1273205	59.39	ng	99
50) 2,6-Dinitrotoluene	9.77	165	270411	58.96	ng	# 72
51) Acenaphthene	10.02	154	887158	51.61	ng	99
52) 3-Nitroaniline	9.93	138	205903	37.53	ng	83
53) 2,4-Dinitrophenol	10.04	184	56140	29.73	ng	# 64
54) Dibenzofuran	10.18	168	1222868	54.30	ng	97
55) 4-Nitrophenol	10.10	139	455518	105.64	ng	91
56) 2,4-Dinitrotoluene	10.17	165	320684	54.64	ng	99
57) Fluorene	10.54	166	884941	50.03	ng	99
58) 2,3,4,6-Tetrachlorophenol	10.31	232	249783	63.07	ng	93
59) Diethylphthalate	10.40	149	1037650	49.88	ng	95
60) 4-Chlorophenyl-phenylether	10.53	204	463164	53.81	ng	# 84
61) 4-Nitroaniline	10.55	138	226151	44.07	ng	98
62) Azobenzene	10.69	77	1150131	56.12	ng	89
64) 4,6-Dinitro-2-methylphenol	10.58	198	84232	30.49	ng	81
65) n-Nitrosodiphenylamine	10.64	169	768987	53.58	ng	99
66) 4-Bromophenyl-phenylether	11.02	248	266120	59.39	ng	# 83
67) Hexachlorobenzene	11.09	284	268280	56.13	ng	# 86
68) Atrazine	11.17	200	240885	60.35	ng	99
69) Pentachlorophenol	11.27	266	264004	99.50	ng	99
70) Phenanthrene	11.50	178	1345402	55.63	ng	99
71) Anthracene	11.54	178	1184613	46.14	ng	99
72) Carbazole	11.71	167	1175928	52.24	ng	98
73) Di-n-butylphthalate	12.03	149	1477968	51.94	ng	99
74) Fluoranthene	12.69	202	1129457	46.54	ng	93
76) Benzidine	12.80	184	803529	97.37	ng	99
77) Pyrene	12.92	202	1178583	56.47	ng	99
79) Butylbenzylphthalate	13.52	149	545934	57.65	ng	99
80) Benzo(a)anthracene	14.11	228	872569	52.57	ng	99
81) 3,3'-Dichlorobenzidine	14.06	252	261956	50.02	ng	99
82) Chrysene	14.14	228	846474	55.20	ng	100
83) Bis(2-ethylhexyl)phthalate	14.08	149	731111	58.67	ng	# 98
84) Di-n-octyl phthalate	14.70	149	1178525	62.10	ng	99
85) Indeno(1,2,3-cd)pyrene	17.04	276	872135	72.88	ng	98
87) Benzo(b)fluoranthene	15.15	252	1019458	52.15	ng	99
88) Benzo(k)fluoranthene	15.18	252	693657m	43.99	ng	
89) Benzo(a)pyrene	15.51	252	857390	52.93	ng	# 95
90) Dibenzo(a,h)anthracene	17.07	278	740636	53.56	ng	96
91) Benzo(g,h,i)perylene	17.49	276	685600	49.31	ng	97

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



#1

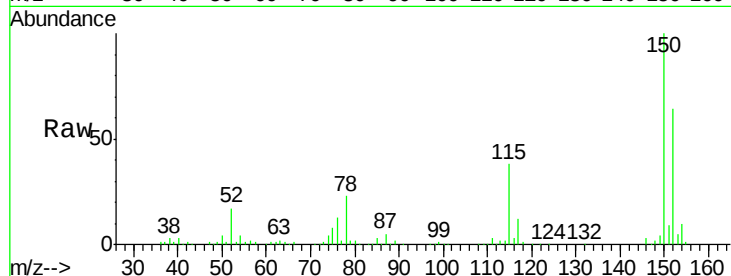
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.94 min Scan# 407
Delta R.T. -0.05 min
Lab File: BF085389.D
Acq: 11 Mar 2016 23:21

Instrument :
BNA_F
ClientSampleId :
POST-EX-19-20160310MSD

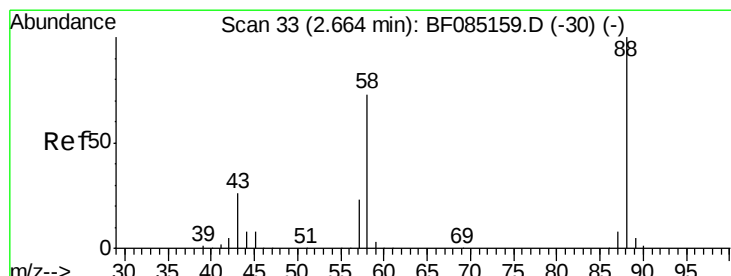
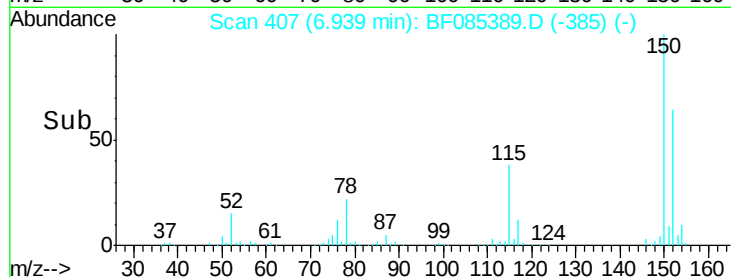
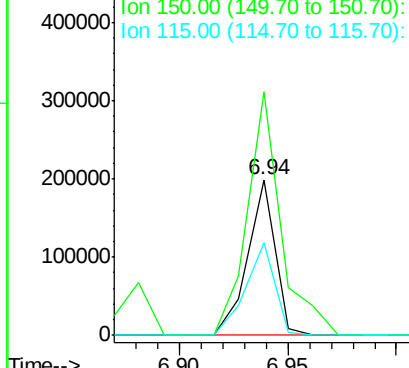
Tgt Ion	Ratio	Resp	Lower	Upper
152	100	173427		
150	156.6	124.6	186.8	
115	59.2	46.6	70.0	

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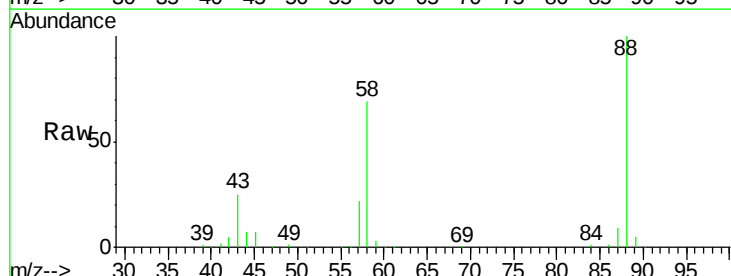
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



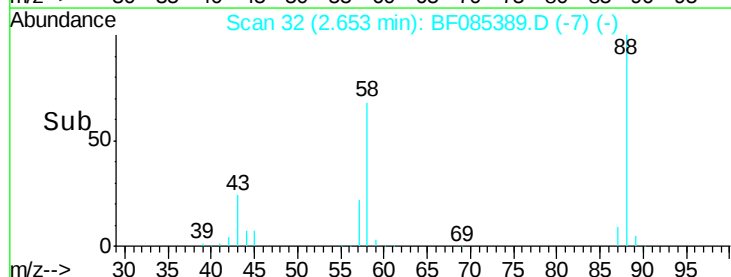
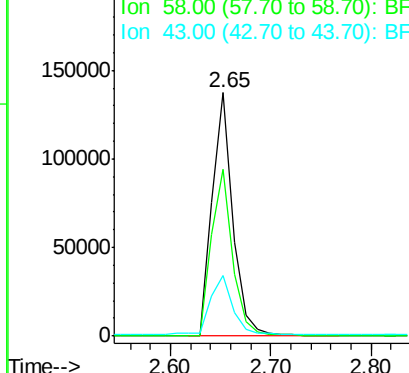
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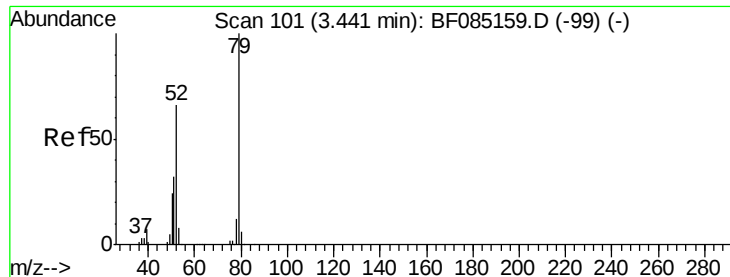
1,4-Dioxane
Concen: 37.11 ng
RT: 2.65 min Scan# 32
Delta R.T. -0.01 min
Lab File: BF085389.D
Acq: 11 Mar 2016 23:21

Tgt Ion	Ratio	Resp	Lower	Upper
88	100	196231		
58	70.6	57.0	85.6	
43	25.6	20.5	30.7	



Abundance Ion 88.00 (87.70 to 88.70): BF0
Ion 58.00 (57.70 to 58.70): BF0
Ion 43.00 (42.70 to 43.70): BF0





#3

Pyridine

Concen: 42.76 ng

RT: 3.41 min Scan# 98

Delta R.T. -0.03 min

Lab File: BF085389.D

Acq: 11 Mar 2016 23:21

Instrument :

BNA_F

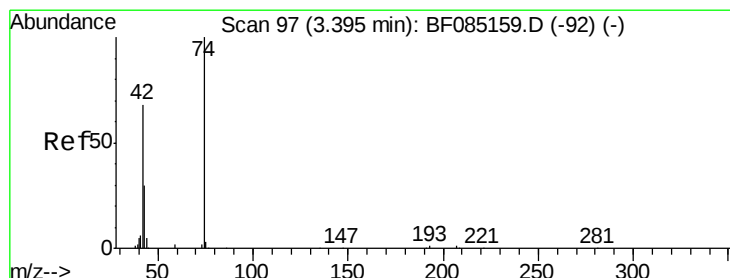
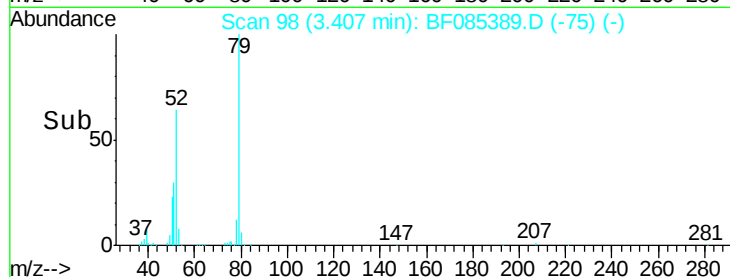
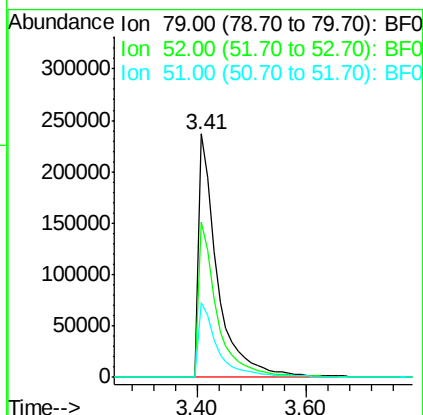
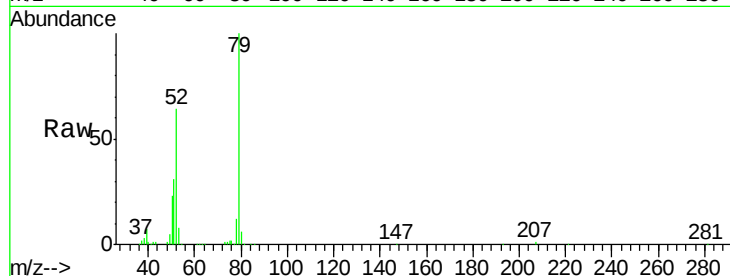
ClientSampleId :

POST-EX-19-20160310MSD

Tgt Ion:	79	Resp:	565808
Ion Ratio	Lower	Upper	
79	100		
52	63.5	52.6	79.0
51	30.6	25.8	38.8

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#4

n-Nitrosodimethylamine

Concen: 44.47 ng

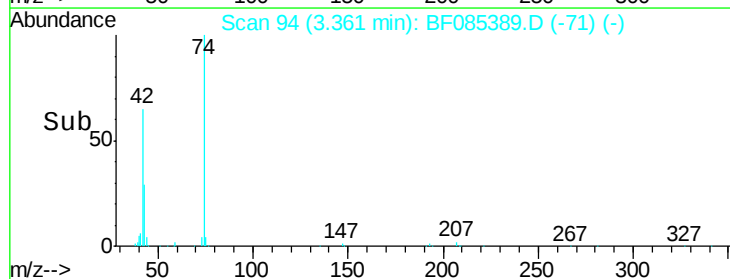
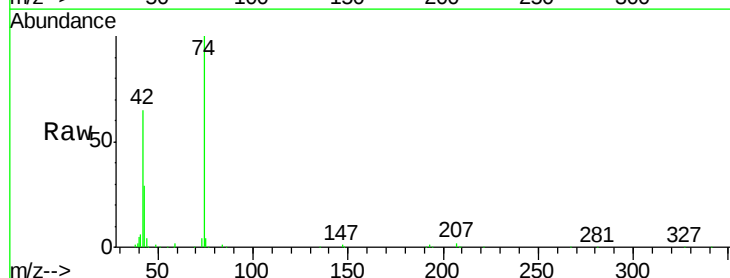
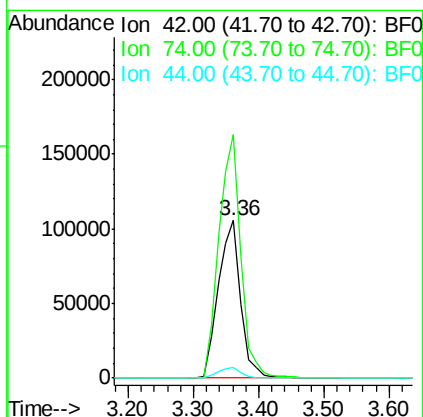
RT: 3.36 min Scan# 94

Delta R.T. -0.03 min

Lab File: BF085389.D

Acq: 11 Mar 2016 23:21

Tgt Ion:	42	Resp:	251838
Ion Ratio	Lower	Upper	
42	100		
74	154.6	116.8	175.2
44	6.7	5.5	8.3





#5

2-Fluorophenol

Concen: 135.37 ng

RT: 5.54 min Scan# 285

Delta R.T. -0.03 min

Lab File: BF085389.D

Acq: 11 Mar 2016 23:21

Instrument :

BNA_F

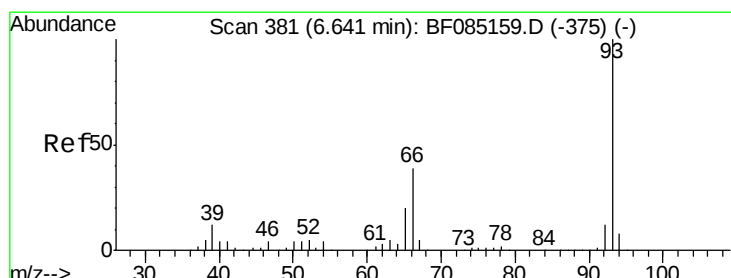
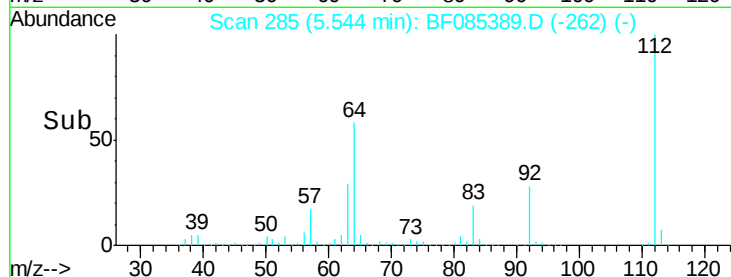
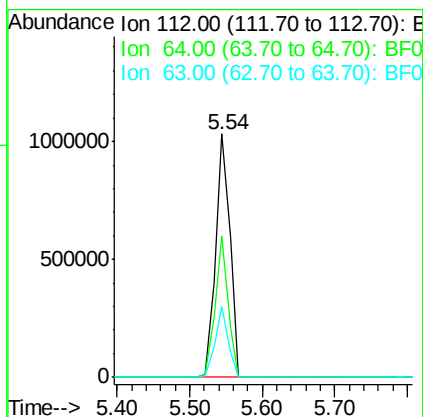
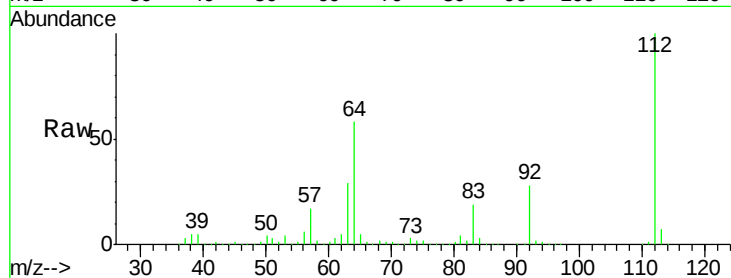
ClientSampleId :

POST-EX-19-20160310MSD

Tgt Ion:	112	Resp:	1399605
Ion	Ratio	Lower	Upper
112	100		
64	57.8	49.0	73.4
63	29.3	24.8	37.2

Manual Integrations
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#6

Aniline

Concen: 38.02 ng

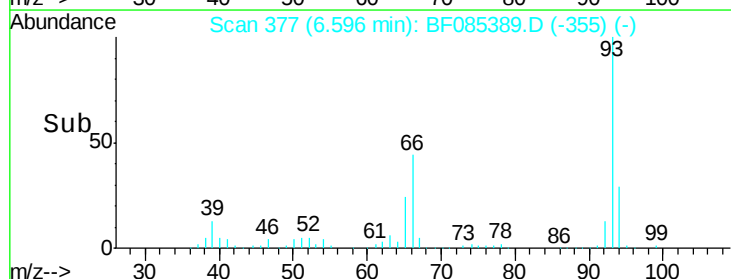
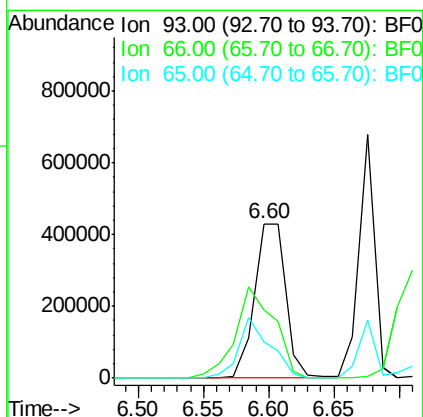
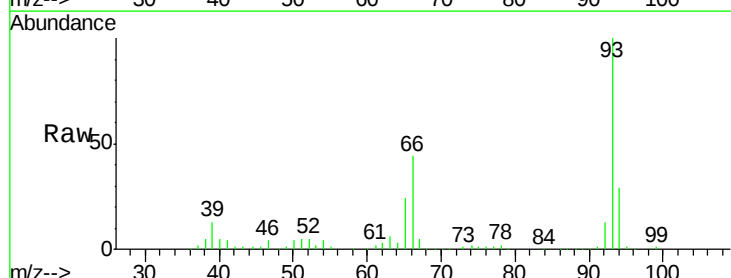
RT: 6.60 min Scan# 377

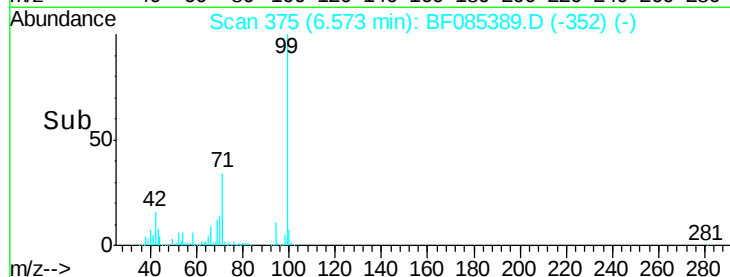
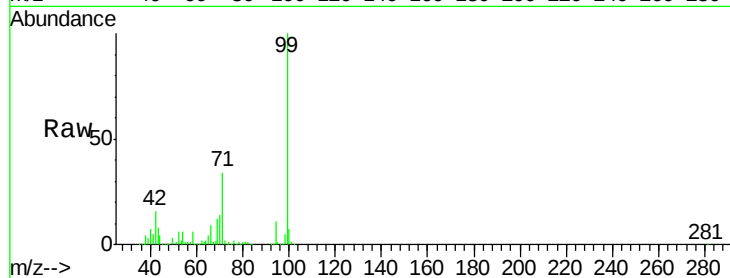
Delta R.T. -0.05 min

Lab File: BF085389.D

Acq: 11 Mar 2016 23:21

Tgt Ion:	93	Resp:	721835
Ion	Ratio	Lower	Upper
93	100		
66	44.3	31.6	47.4
65	23.6	15.8	23.8





#7

Phenol-d6

Concen: 123.59 ng

RT: 6.57 min Scan# 375

Delta R.T. -0.03 min

Lab File: BF085389.D

Acq: 11 Mar 2016 23:21

Tgt Ion:	99	Resp:	1674140
Ion	Ratio	Lower	Upper
99	100		
42	15.5	13.6	20.4
71	33.6	26.7	40.1

Instrument :

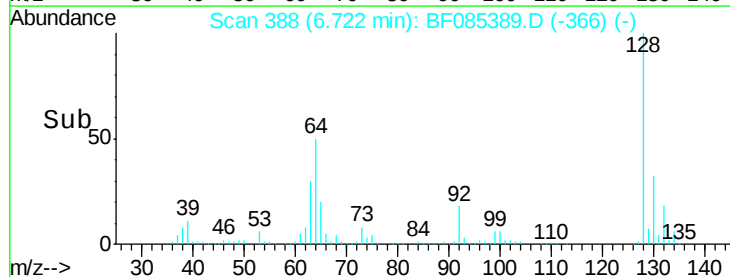
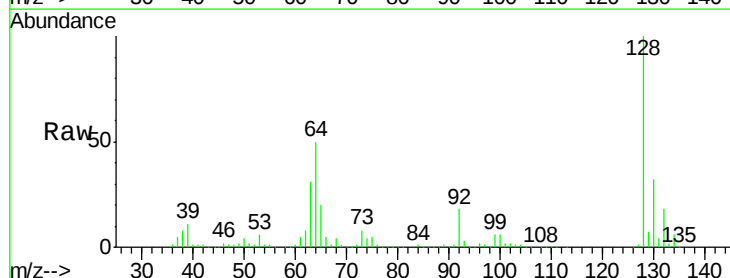
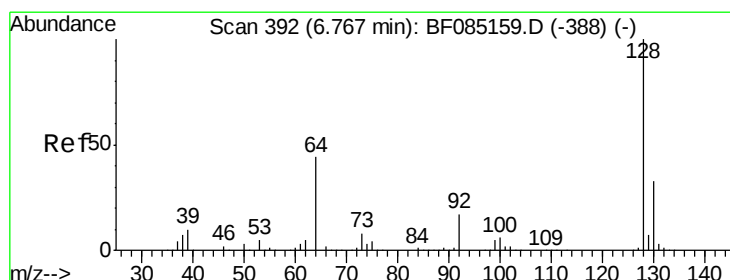
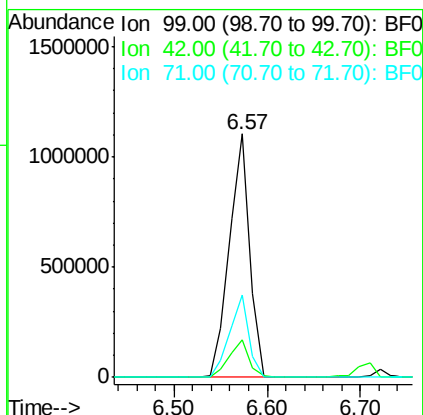
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#8

2-Chlorophenol

Concen: 44.64 ng

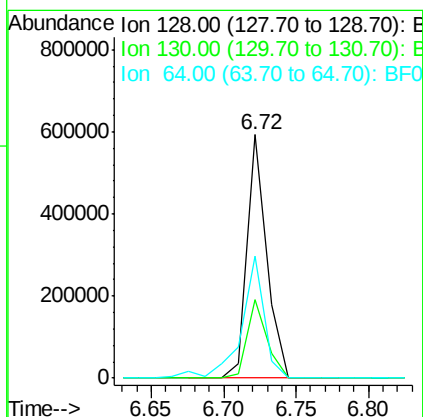
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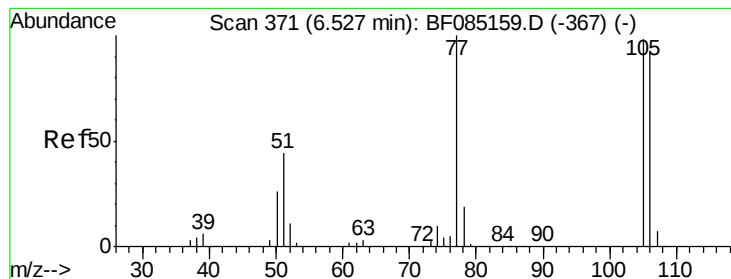
Delta R.T. -0.05 min

Lab File: BF085389.D

Acq: 11 Mar 2016 23:21

Tgt Ion:	128	Resp:	555606
Ion	Ratio	Lower	Upper
128	100		
130	32.5	13.3	53.3
64	50.1	25.7	65.7





#9

Benzaldehyde

Concen: 18.88 ng

RT: 6.48 min Scan# 367

Delta R.T. -0.05 min

Lab File: BF085389.D

Acq: 11 Mar 2016 23:21

Instrument :

BNA_F

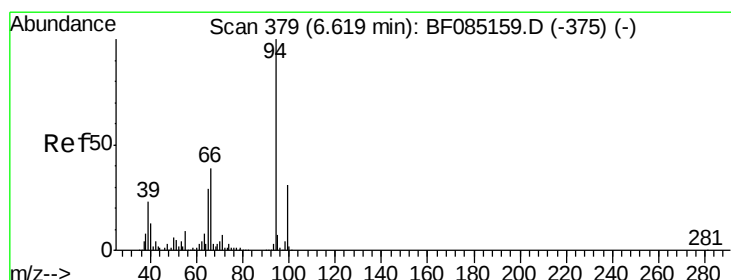
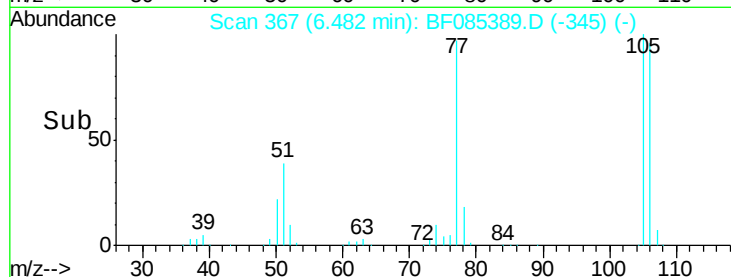
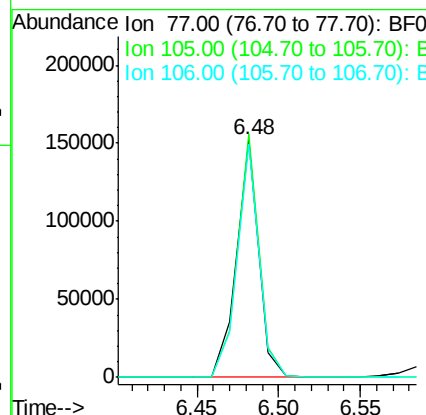
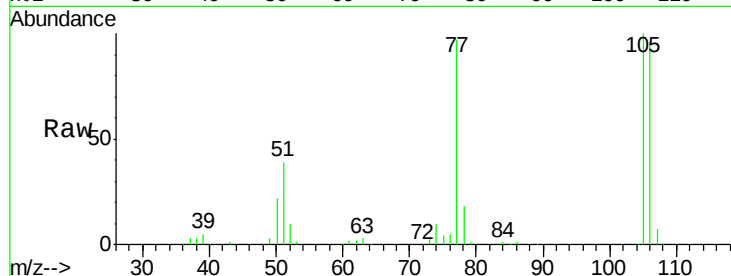
ClientSampleId :

POST-EX-19-20160310MSD

Tgt Ion:	77	Resp:	141192
Ion Ratio	Lower	Upper	
77	100		
105	102.6	78.2	118.2
106	98.2	72.9	112.9

Manual Integrations
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#10

Phenol

Concen: 39.28 ng m

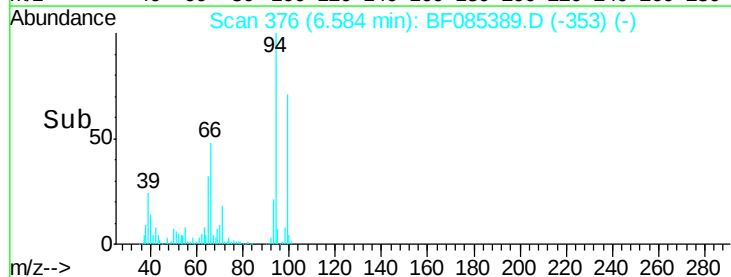
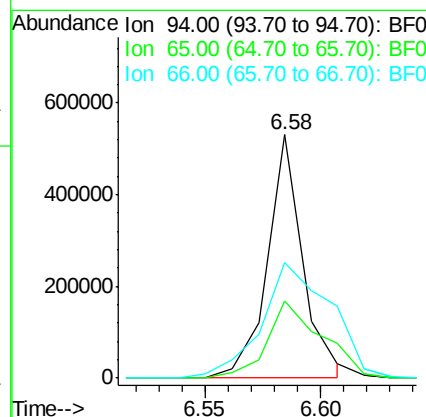
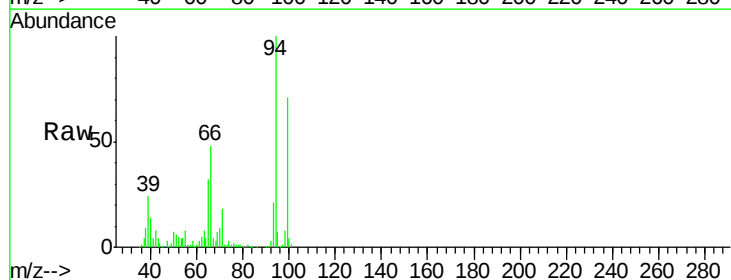
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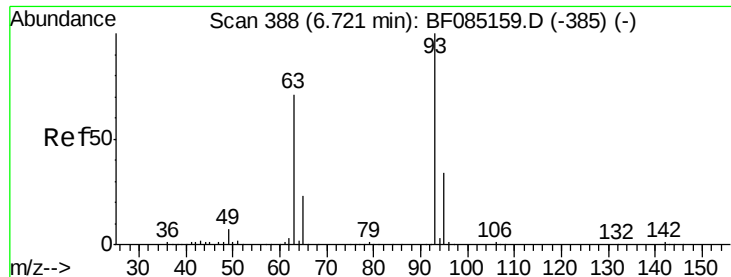
Delta R.T. -0.03 min

Lab File: BF085389.D

Acq: 11 Mar 2016 23:21

Tgt Ion:	94	Resp:	569823
Ion Ratio	Lower	Upper	
94	100		
65	32.0	9.1	49.1
66	47.7	19.3	59.3





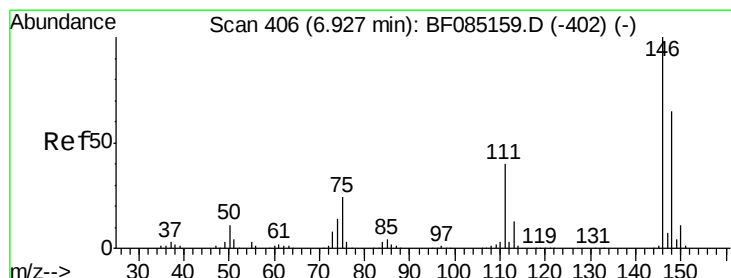
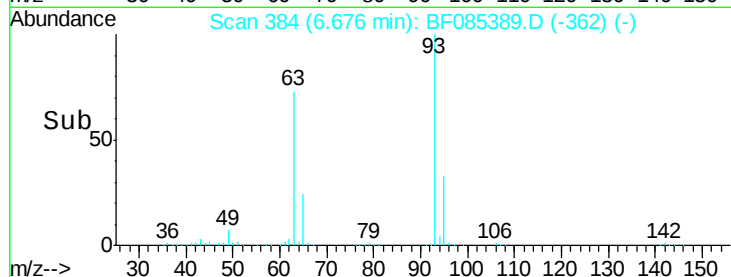
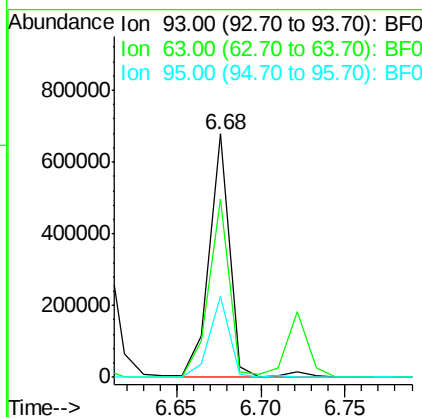
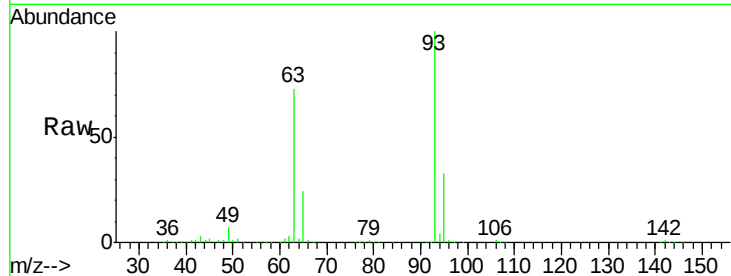
#11
bis(2-Chloroethyl)ether
Concen: 48.44 ng m
RT: 6.68 min Scan# 384
Delta R.T. -0.05 min
Lab File: BF085389.D
Acq: 11 Mar 2016 23:21

Instrument :
BNA_F
ClientSampleId :
POST-EX-19-20160310MSD

Tgt Ion:	93	Resp:	583666
Ion Ratio	Lower	Upper	
93	100		
63	73.3	50.9	90.9
95	33.4	13.7	53.7

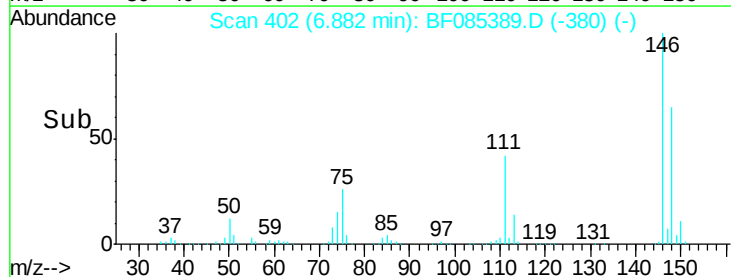
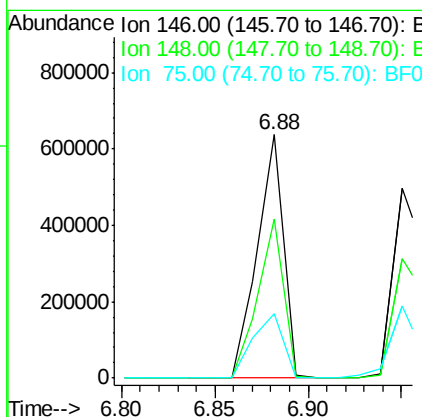
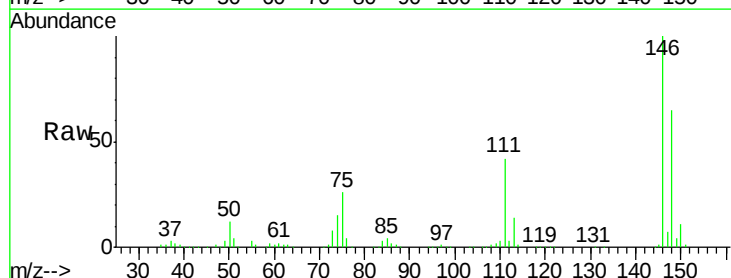
Manual Integrations
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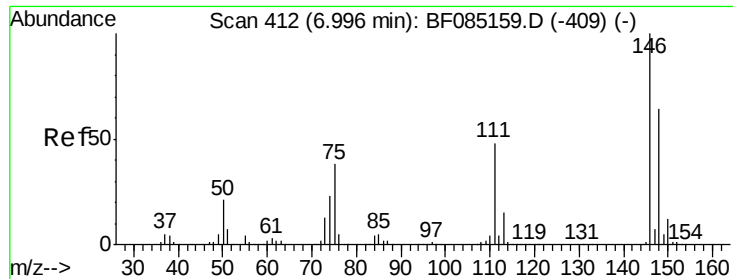
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#12
1,3-Dichlorobenzene
Concen: 46.08 ng
RT: 6.88 min Scan# 402
Delta R.T. -0.05 min
Lab File: BF085389.D
Acq: 11 Mar 2016 23:21

Tgt Ion:	146	Resp:	615730
Ion Ratio	Lower	Upper	
146	100		
148	65.4	52.1	78.1
75	26.3	19.5	29.3





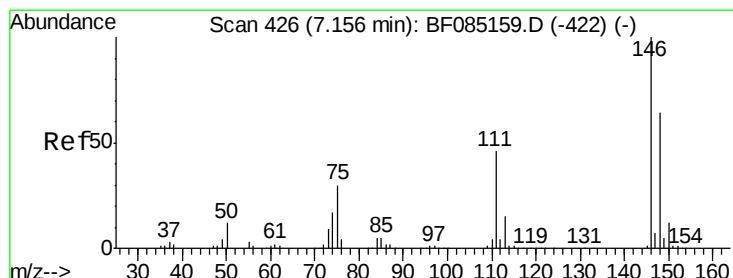
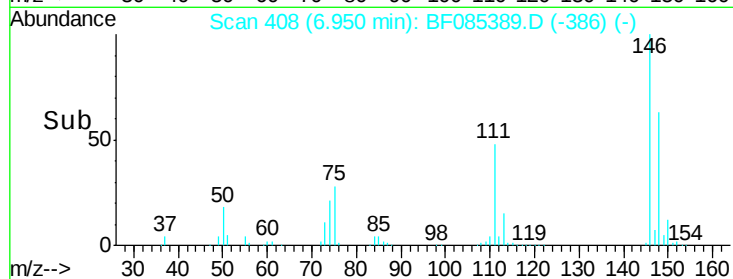
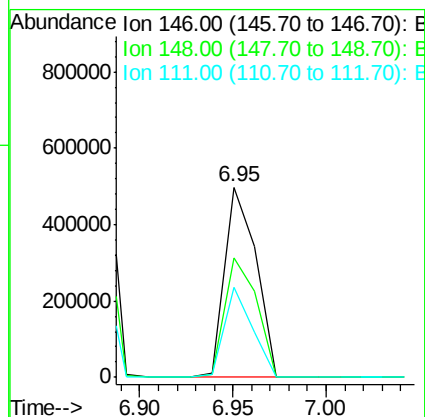
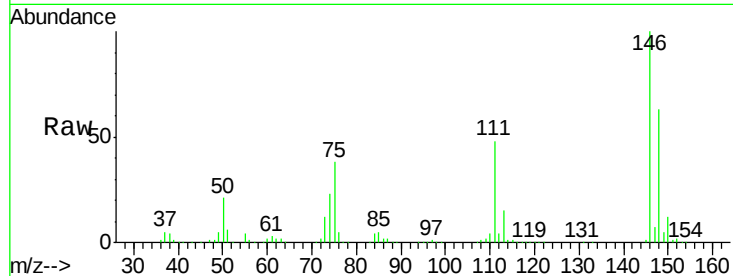
#13
 1,4-Dichlorobenzene
 Concen: 43.66 ng
 RT: 6.95 min Scan# 408
 Delta R.T. -0.05 min
 Lab File: BF085389.D
 Acq: 11 Mar 2016 23:21

Instrument :
 BNA_F
 ClientSampleId :
 POST-EX-19-20160310MSD

Tgt Ion	Ratio	Lower	Upper
146	100		
148	62.9	51.3	76.9
111	47.6	38.4	57.6

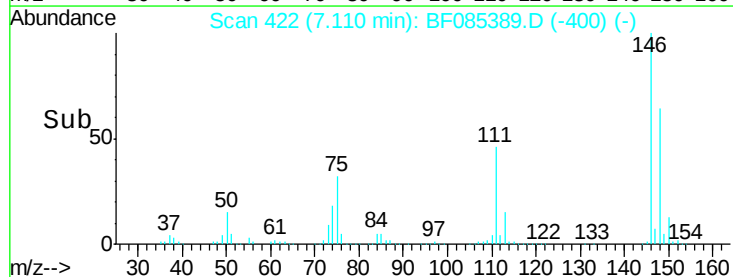
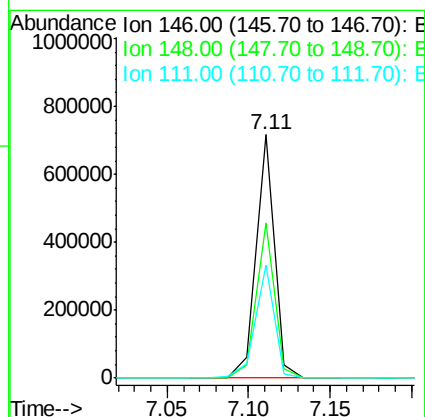
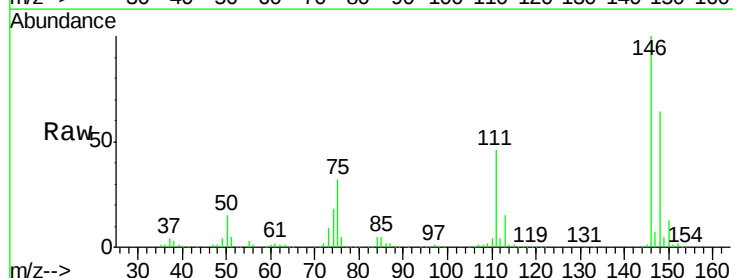
Manual Integrations
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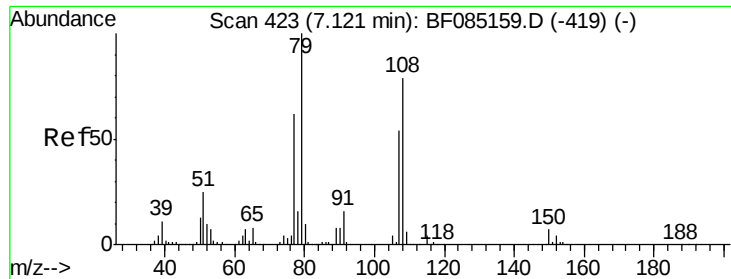
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#14
 1,2-Dichlorobenzene
 Concen: 46.06 ng
 RT: 7.11 min Scan# 422
 Delta R.T. -0.05 min
 Lab File: BF085389.D
 Acq: 11 Mar 2016 23:21

Tgt Ion	Ratio	Lower	Upper
146	100		
148	63.7	51.4	77.2
111	46.4	36.7	55.1





#15

Benzyl Alcohol

Concen: 52.45 ng

RT: 7.08 min Scan# 419

Delta R.T. -0.05 min

Lab File: BF085389.D

Acq: 11 Mar 2016 23:21

Instrument :

BNA_F

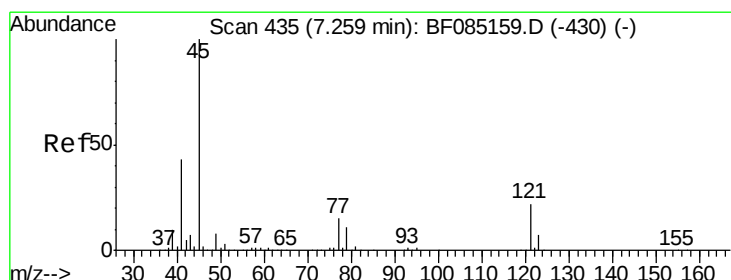
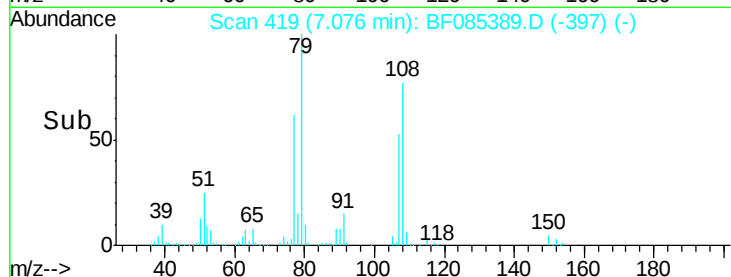
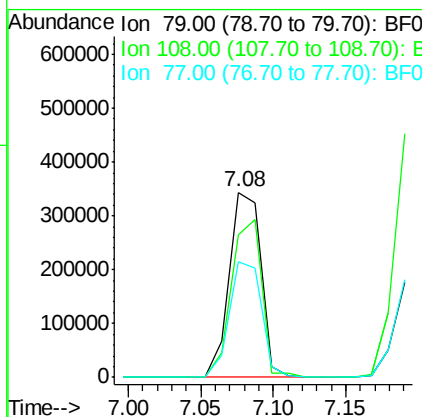
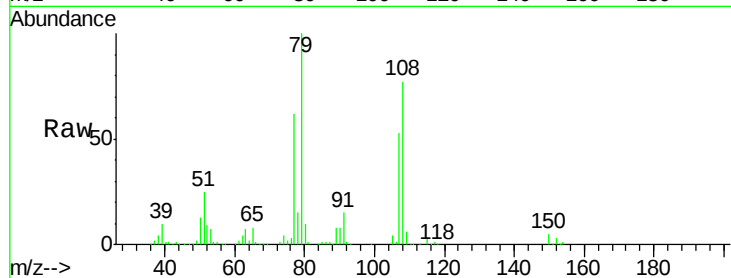
ClientSampleId :

POST-EX-19-20160310MSD

Tgt Ion:	79	Resp:	521566
Ion Ratio	Lower	Upper	
79	100		
108	77.2	62.9	94.3
77	62.4	49.5	74.3

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#16

2,2'-oxybis(1-Chloropropane)

Concen: 40.84 ng

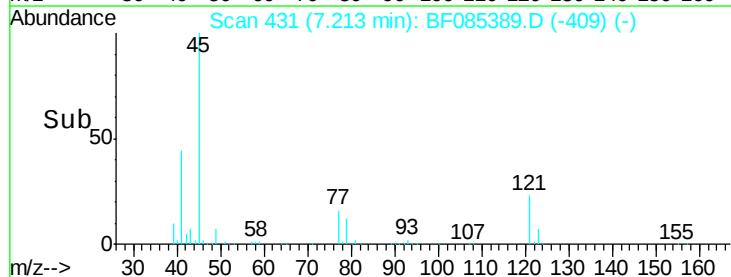
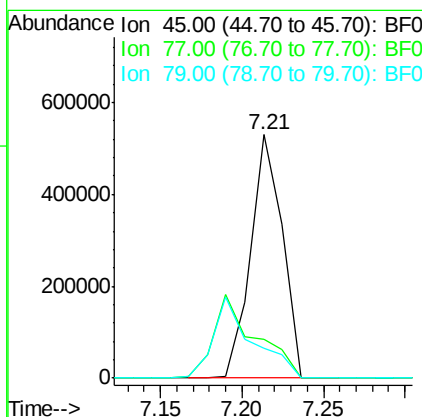
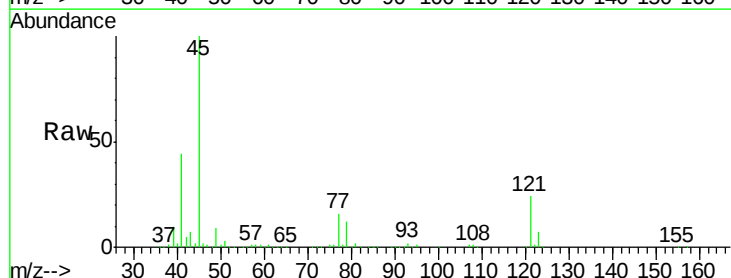
RT: 7.21 min Scan# 431

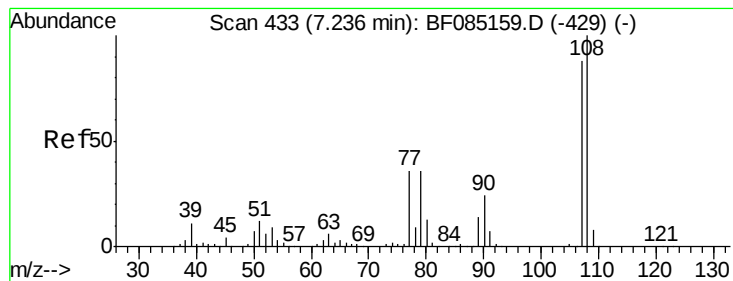
Delta R.T. -0.05 min

Lab File: BF085389.D

Acq: 11 Mar 2016 23:21

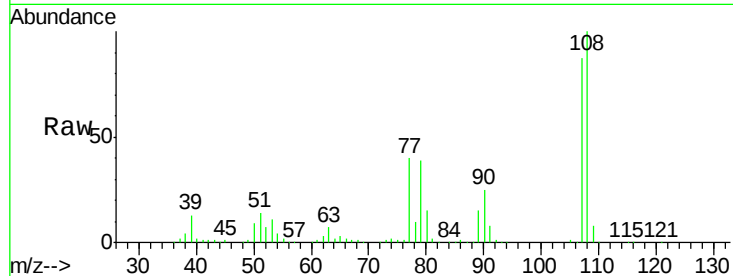
Tgt Ion:	45	Resp:	709379
Ion Ratio	Lower	Upper	
45	100		
77	15.7	0.0	35.1
79	12.0	0.0	31.3





#17
2-Methylphenol
Concen: 47.37 ng
RT: 7.19 min Scan# 429
Delta R.T. -0.05 min
Lab File: BF085389.D
Acq: 11 Mar 2016 23:21

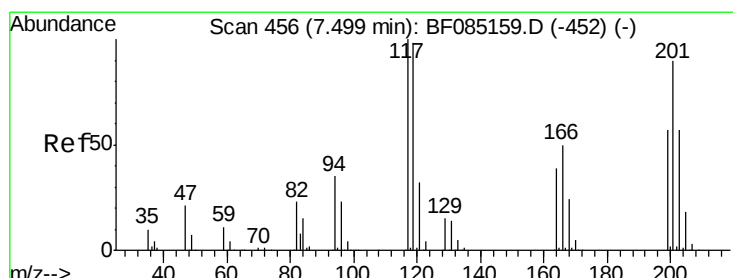
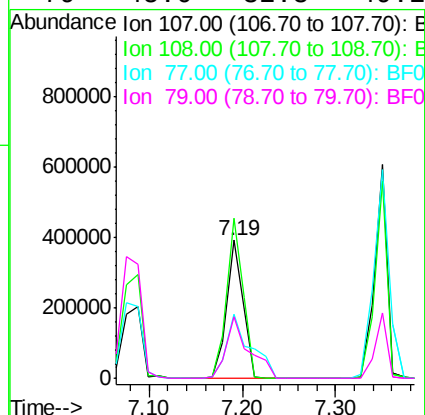
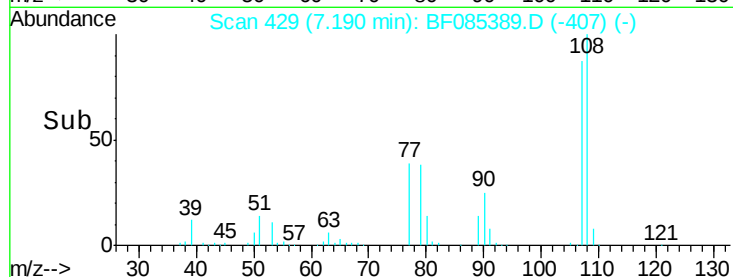
Instrument :
BNA_F
ClientSampleId :
POST-EX-19-20160310MSD



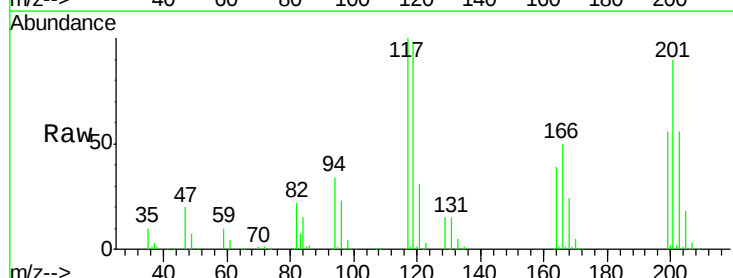
Tgt Ion	Ratio	Resp Lower	Resp Upper
107	100		
108	115.6	90.9	136.3
77	46.3	32.6	48.8
79	45.0	32.8	49.2

Manual Integrations
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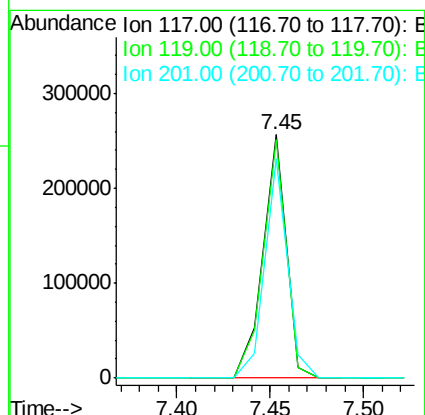
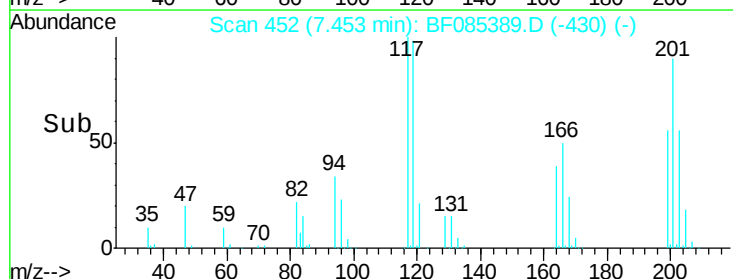
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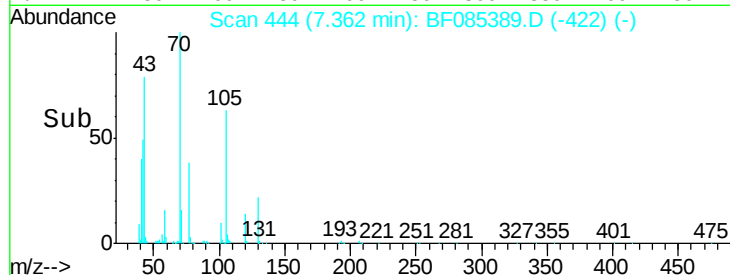
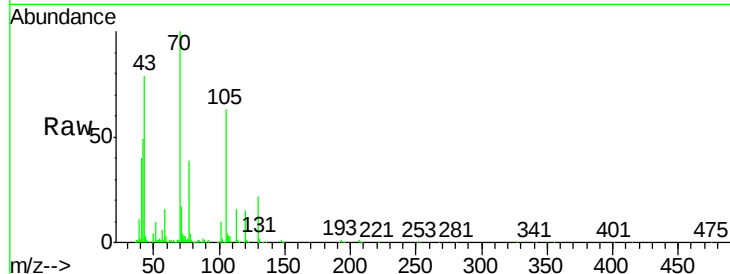
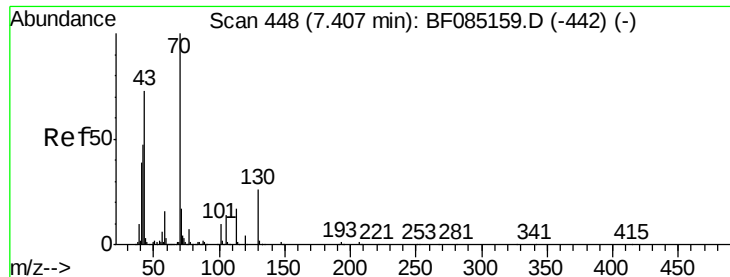


#18
Hexachloroethane
Concen: 44.56 ng
RT: 7.45 min Scan# 452
Delta R.T. -0.05 min
Lab File: BF085389.D
Acq: 11 Mar 2016 23:21



Tgt Ion	Ratio	Resp Lower	Resp Upper
117	100		
119	97.7	78.2	117.4
201	90.0	72.0	108.0





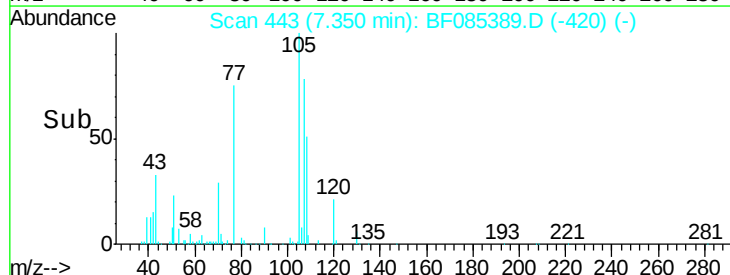
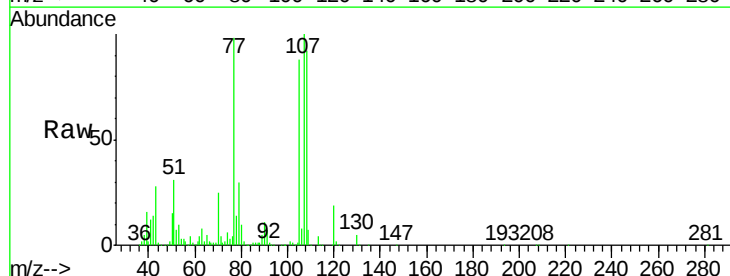
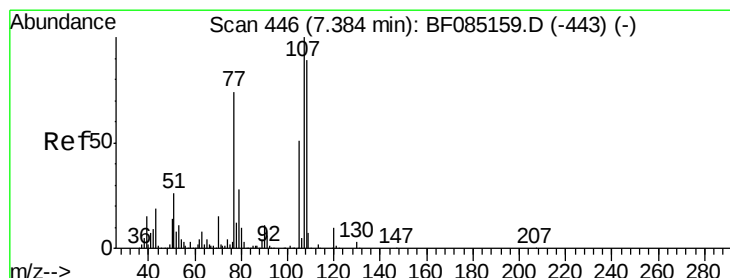
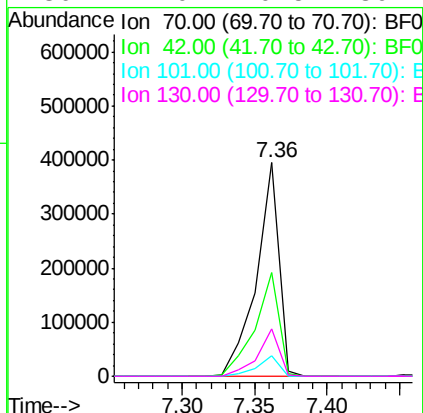
#19
n-Nitroso-di-n-propylamine
Concen: 48.28 ng
RT: 7.36 min Scan# 444
Delta R.T. -0.05 min
Lab File: BF085389.D
Acq: 11 Mar 2016 23:21

Instrument :
BNA_F
ClientSampleId :
POST-EX-19-20160310MSD

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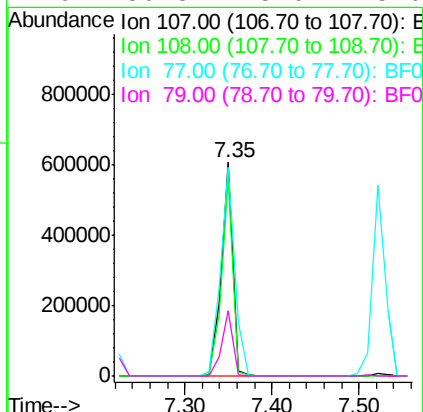
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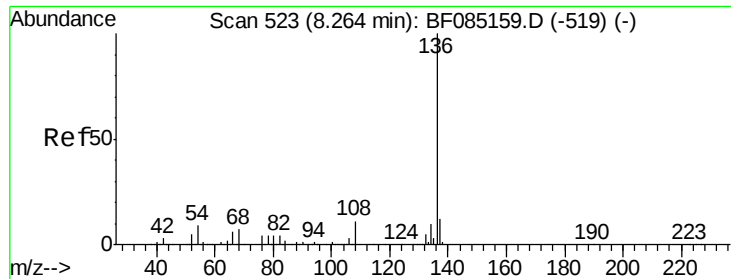
Tgt Ion	Ratio	Lower	Upper
70	100		
42	48.6	37.7	56.5
101	9.8	8.2	12.4
130	22.0	20.5	30.7



#20
3+4-Methylphenols
Concen: 47.74 ng
RT: 7.35 min Scan# 443
Delta R.T. -0.03 min
Lab File: BF085389.D
Acq: 11 Mar 2016 23:21

Tgt Ion	Ratio	Lower	Upper
107	100		
108	92.4	68.8	108.8
77	97.8	53.6	93.6#
79	30.3	8.0	48.0





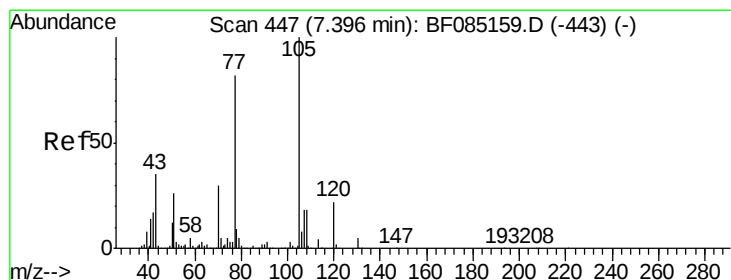
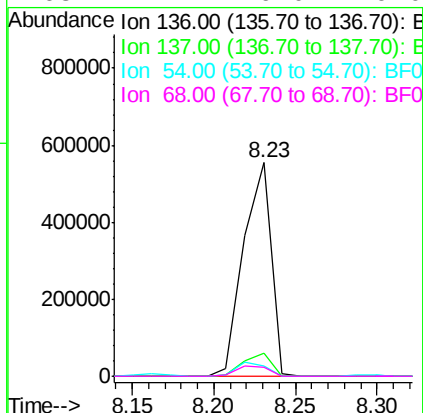
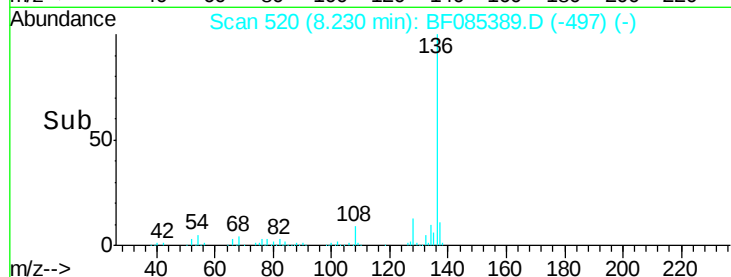
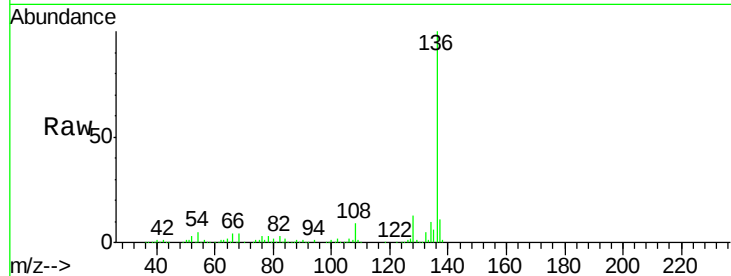
#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.23 min Scan# 520
Delta R.T. -0.03 min
Lab File: BF085389.D
Acq: 11 Mar 2016 23:21

Instrument :
BNA_F
ClientSampleId :
POST-EX-19-20160310MSD

Tgt Ion	Ratio	Resp Lower	Resp Upper
136	100		
137	10.6	9.3	13.9
54	5.1	7.4	11.2#
68	4.4	6.0	9.0#

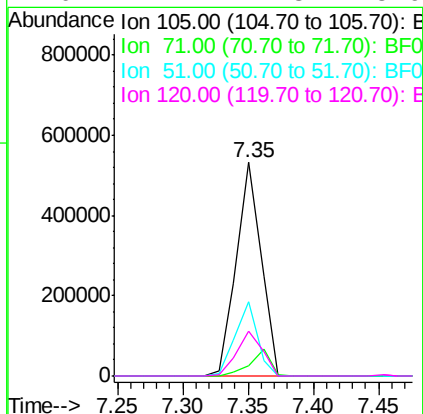
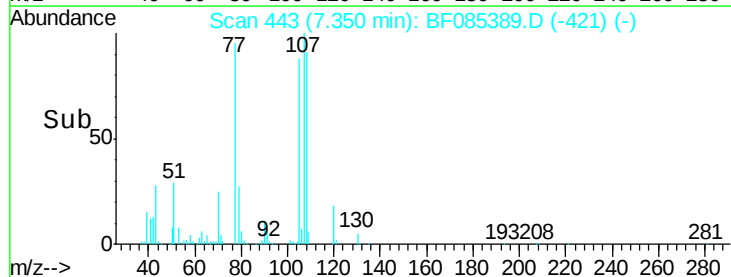
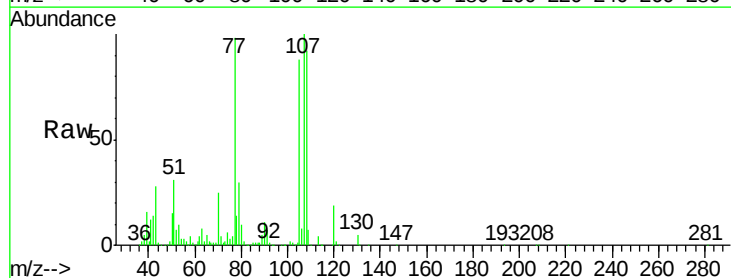
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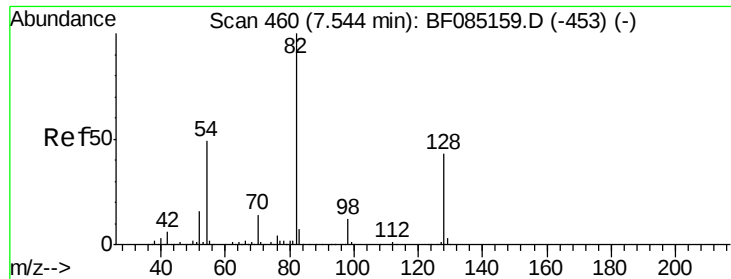
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#22
Acetophenone
Concen: 44.16 ng
RT: 7.35 min Scan# 443
Delta R.T. -0.05 min
Lab File: BF085389.D
Acq: 11 Mar 2016 23:21

Tgt Ion	Ratio	Resp Lower	Resp Upper
105	100		
71	4.9	4.1	6.1
51	35.0	21.1	31.7#
120	21.1	17.3	25.9





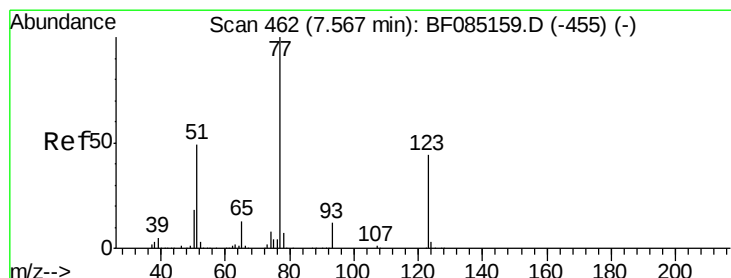
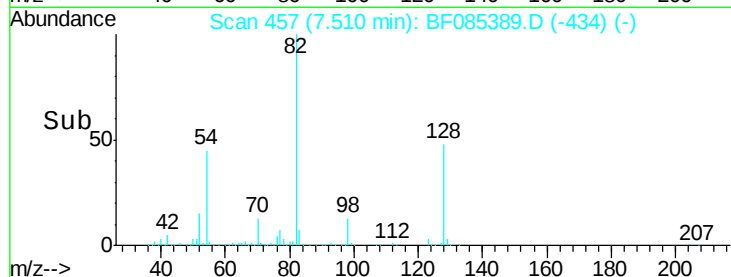
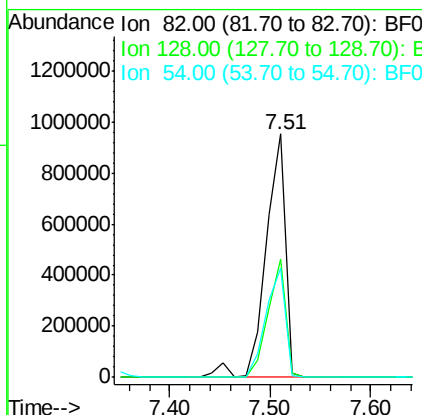
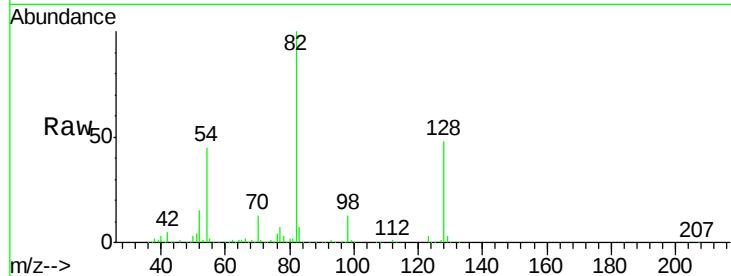
#23
Nitrobenzene-d5
Concen: 105.08 ng
RT: 7.51 min Scan# 457
Delta R.T. -0.03 min
Lab File: BF085389.D
Acq: 11 Mar 2016 23:21

Instrument :
BNA_F
ClientSampleId :
POST-EX-19-20160310MSD

Tgt Ion	Ratio	Lower	Upper
82	100		
128	48.3	34.5	51.7
54	44.8	39.3	58.9

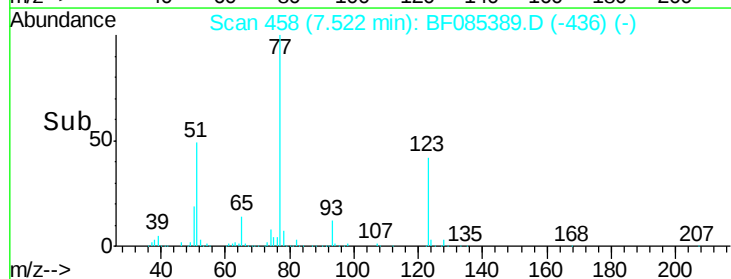
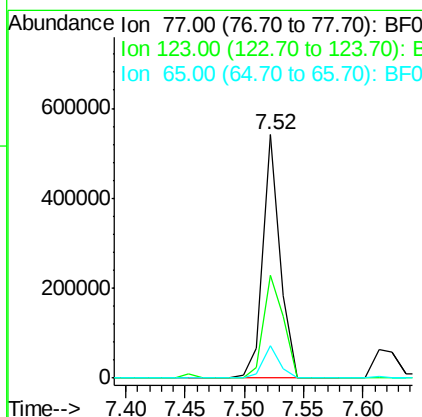
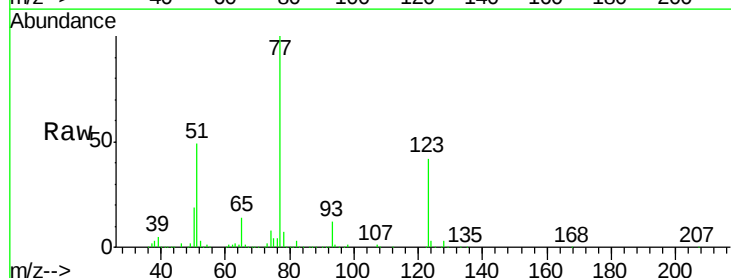
Manual Integrations
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#24
Nitrobenzene
Concen: 44.40 ng
RT: 7.52 min Scan# 458
Delta R.T. -0.05 min
Lab File: BF085389.D
Acq: 11 Mar 2016 23:21

Tgt Ion	Ratio	Lower	Upper
77	100		
123	42.2	35.4	53.2
65	13.5	10.6	16.0





#25

Isophorone

Concen: 50.71 ng

RT: 7.76 min Scan# 479

Delta R.T. -0.05 min

Lab File: BF085389.D

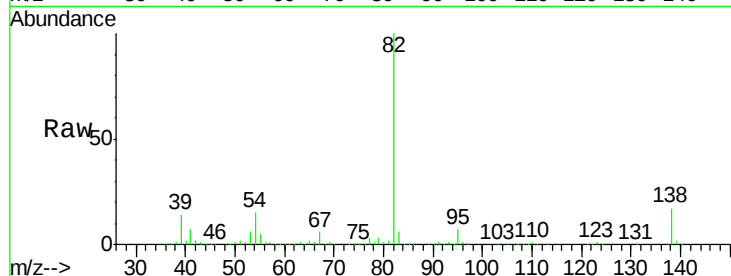
Acq: 11 Mar 2016 23:21

Instrument :

BNA_F

ClientSampleId :

POST-EX-19-20160310MSD



Tgt Ion: 82 Resp: 1143477

Ion Ratio Lower Upper

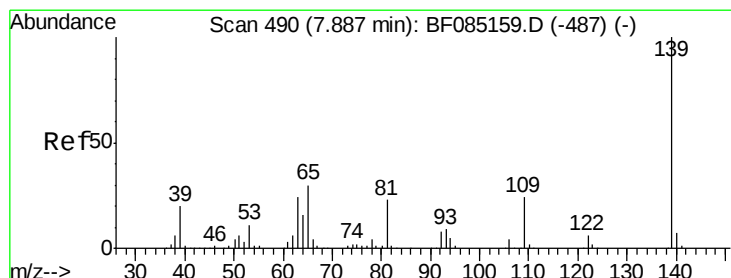
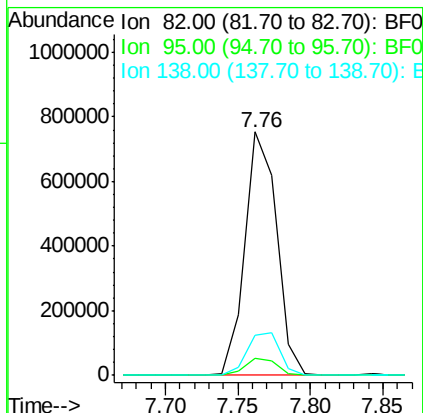
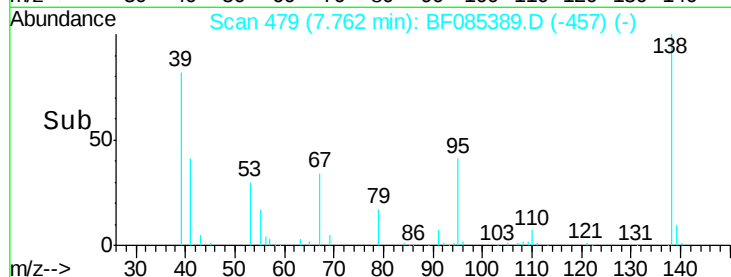
82 100

95 6.8 5.4 8.2

138 16.7 13.3 19.9

Manual Integrations
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#26

2-Nitrophenol

Concen: 54.56 ng

RT: 7.84 min Scan# 486

Delta R.T. -0.05 min

Lab File: BF085389.D

Acq: 11 Mar 2016 23:21

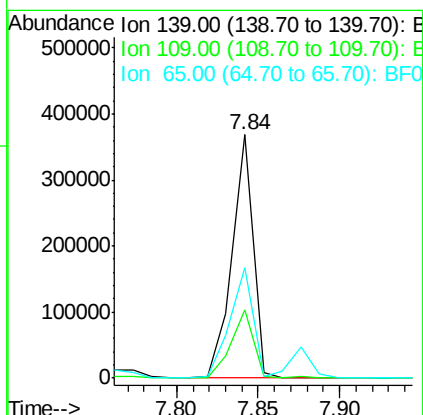
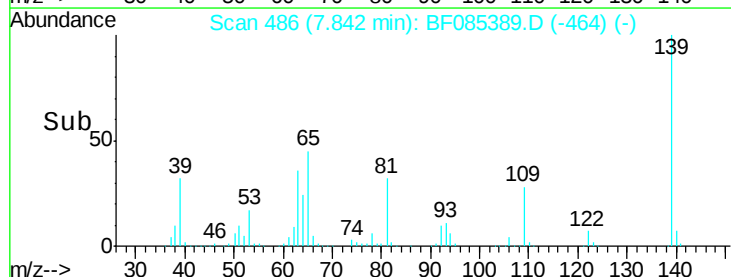
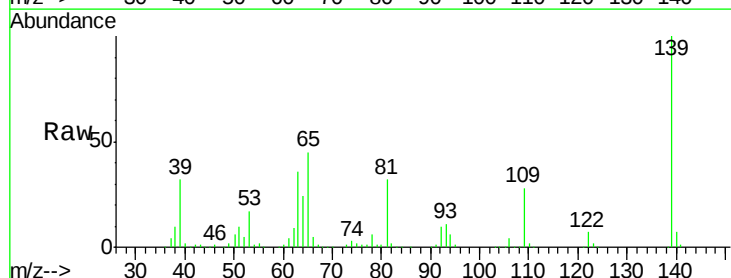
Tgt Ion: 139 Resp: 328177

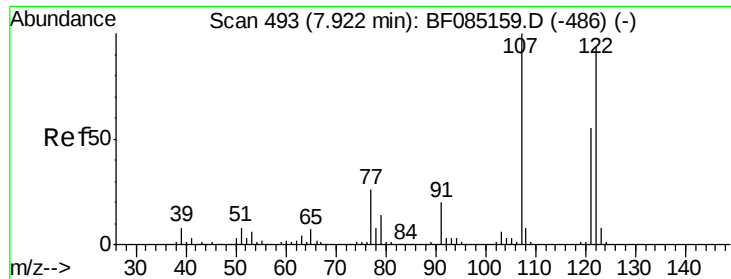
Ion Ratio Lower Upper

139 100

109 27.9 19.1 28.7

65 45.5 23.9 35.9





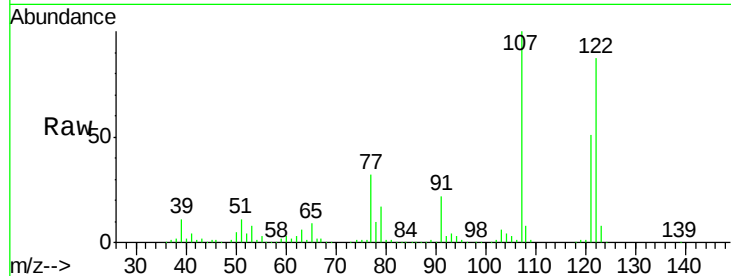
#27
2,4-Dimethylphenol
Concen: 45.89 ng
RT: 7.88 min Scan# 489
Delta R.T. -0.05 min
Lab File: BF085389.D
Acq: 11 Mar 2016 23:21

Instrument :
BNA_F
ClientSampleId :
POST-EX-19-20160310MSD

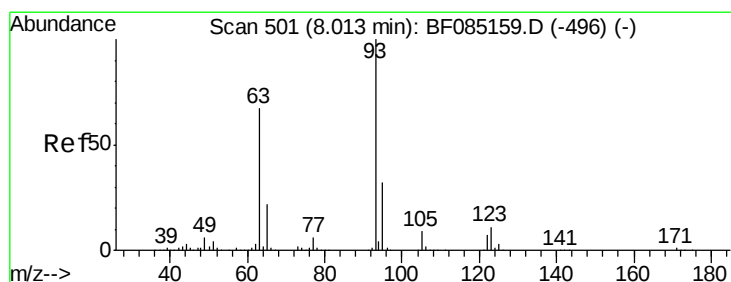
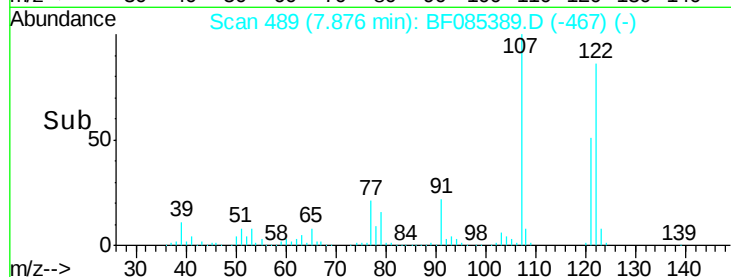
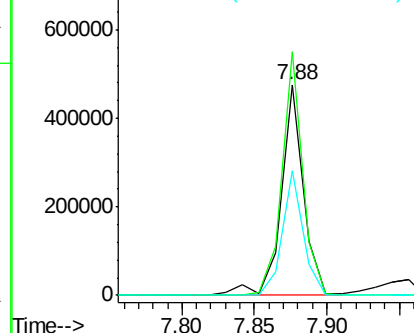
Tgt Ion	Ratio	Resp	Lower	Upper
122	100	504486		
107	115.6	84.8	127.2	
121	59.1	47.0	70.6	

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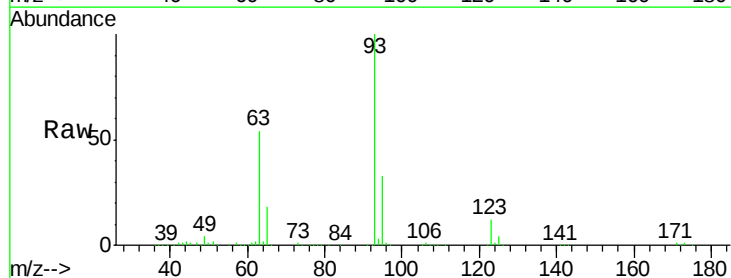


Abundance Ion 122.00 (121.70 to 122.70): E
Ion 107.00 (106.70 to 107.70): E
Ion 121.00 (120.70 to 121.70): E

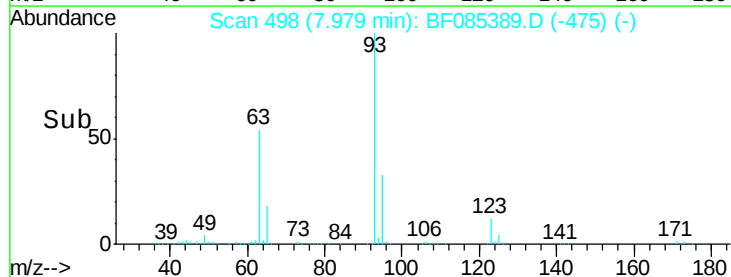
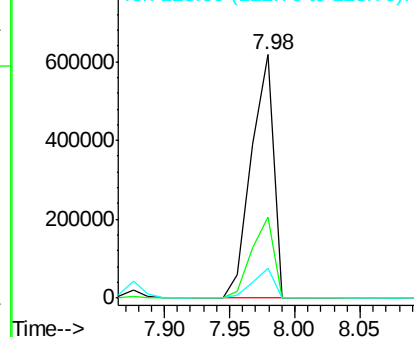


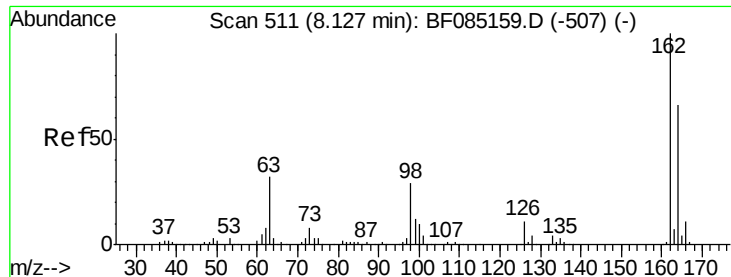
#28
bis(2-Chloroethoxy)methane
Concen: 58.50 ng
RT: 7.98 min Scan# 498
Delta R.T. -0.03 min
Lab File: BF085389.D
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Tgt Ion	Ratio	Resp	Lower	Upper
93	100	734675		
95	33.3	25.9	38.9	
123	12.3	8.8	13.2	



Abundance Ion 93.00 (92.70 to 93.70): BF0
Ion 95.00 (94.70 to 95.70): BF0
Ion 123.00 (122.70 to 123.70): E





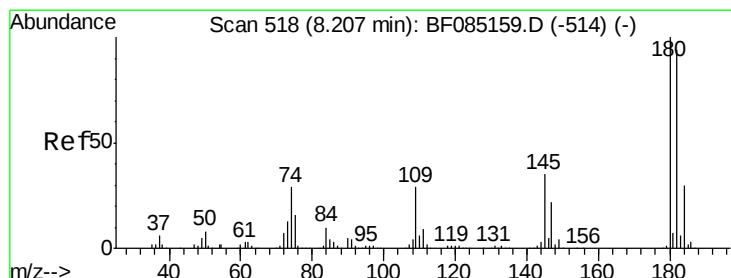
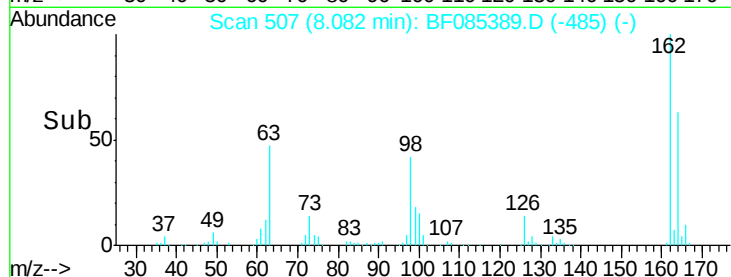
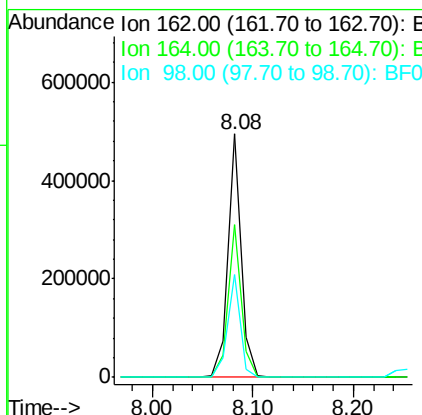
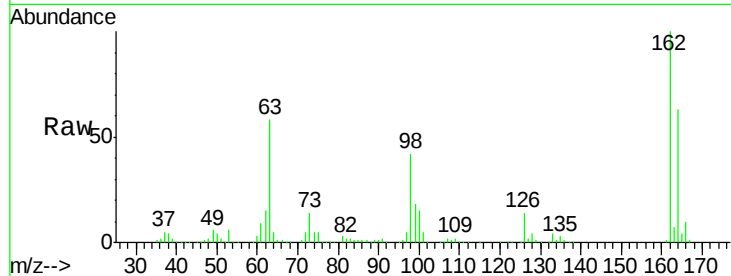
#29
2,4-Dichlorophenol
Concen: 50.90 ng
RT: 8.08 min Scan# 507
Delta R.T. -0.05 min
Lab File: BF085389.D
Acq: 11 Mar 2016 23:21

Instrument :
BNA_F
ClientSampleId :
POST-EX-19-20160310MSD

Tgt Ion	Ratio	Resp	Lower	Upper
162	100	451275		
164	62.6	45.7	85.7	
98	42.4	9.4	49.4	

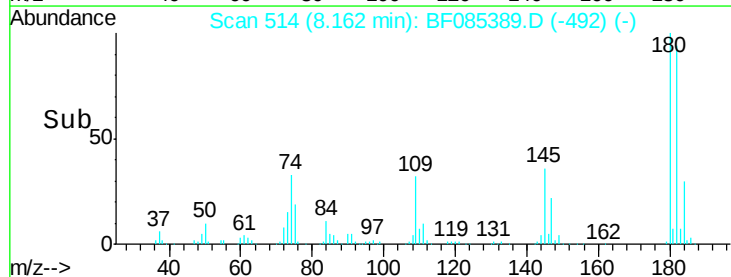
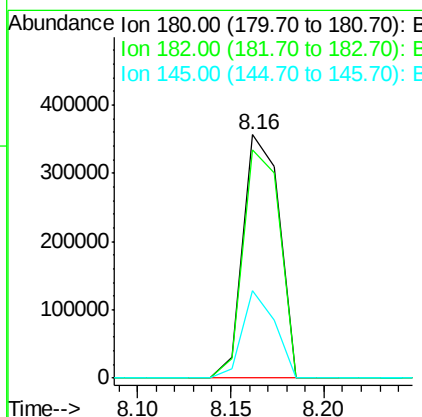
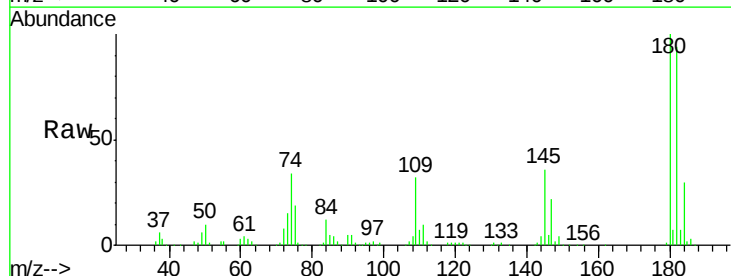
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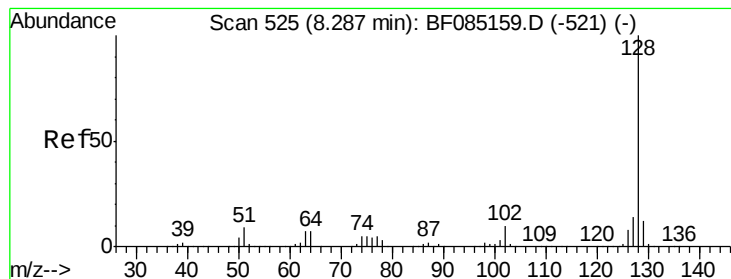
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#30
1,2,4-Trichlorobenzene
Concen: 50.00 ng
RT: 8.16 min Scan# 514
Delta R.T. -0.05 min
Lab File: BF085389.D
Acq: 11 Mar 2016 23:21

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	479327		
182	93.7	74.9	112.3	
145	35.7	27.9	41.9	





#31

Naphthalene

Concen: 50.81 ng

RT: 8.25 min Scan# 522

Delta R.T. -0.03 min

Lab File: BF085389.D

Acq: 11 Mar 2016 23:21

Instrument :

BNA_F

ClientSampleId :

POST-EX-19-20160310MSD

Tgt Ion:128 Resp: 1626765

Ion Ratio Lower Upper

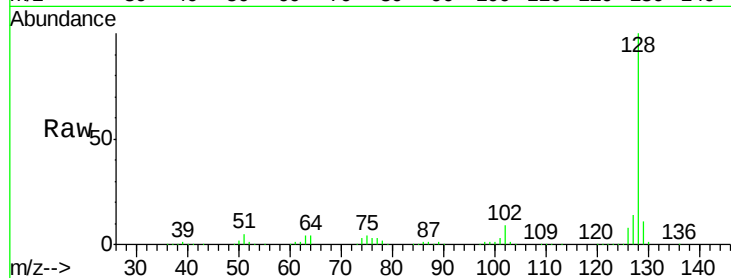
128 100

129 11.0 9.7 14.5

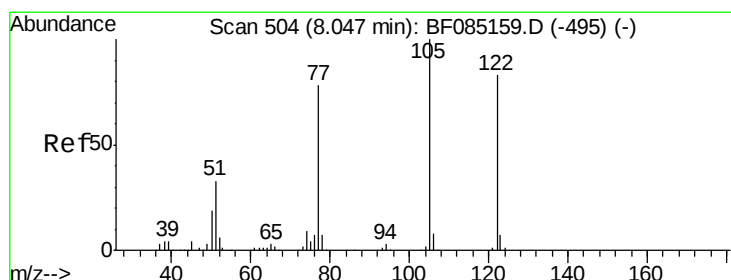
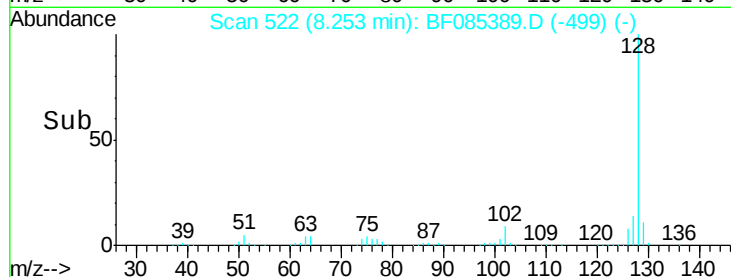
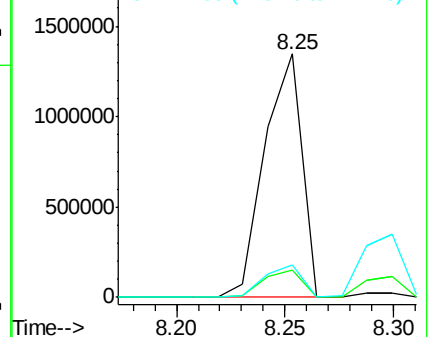
127 13.6 11.2 16.8

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Abundance Ion 128.00 (127.70 to 128.70): E
Ion 129.00 (128.70 to 129.70): E
Ion 127.00 (126.70 to 127.70): E



#32

Benzoic acid

Concen: 8.82 ng

RT: 7.96 min Scan# 496

Delta R.T. -0.09 min

Lab File: BF085389.D

Acq: 11 Mar 2016 23:21

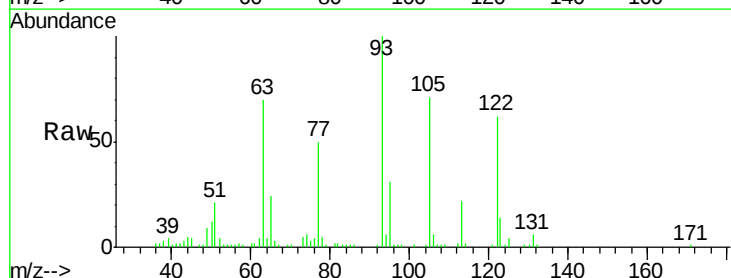
Tgt Ion:122 Resp: 64382

Ion Ratio Lower Upper

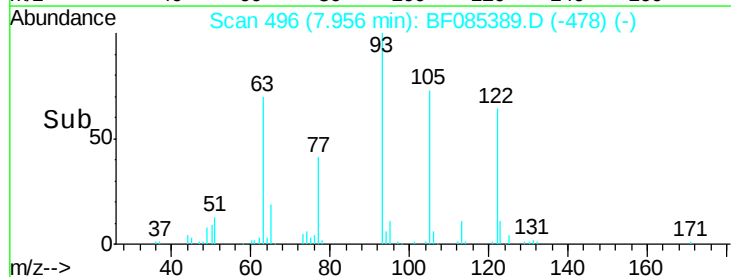
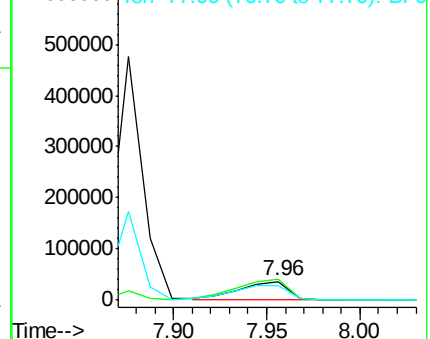
122 100

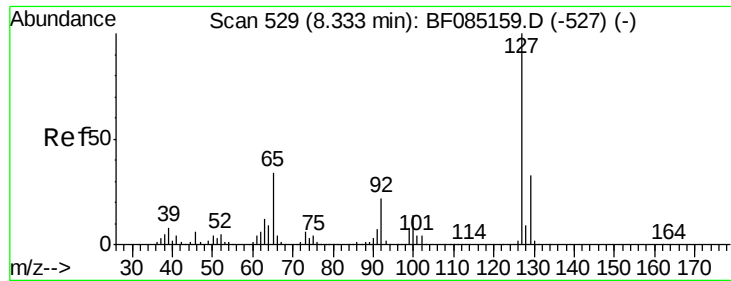
105 115.1 101.3 141.3

77 81.1 74.7 114.7



Abundance Ion 122.00 (121.70 to 122.70): E
Ion 105.00 (104.70 to 105.70): E
Ion 77.00 (76.70 to 77.70): BF0





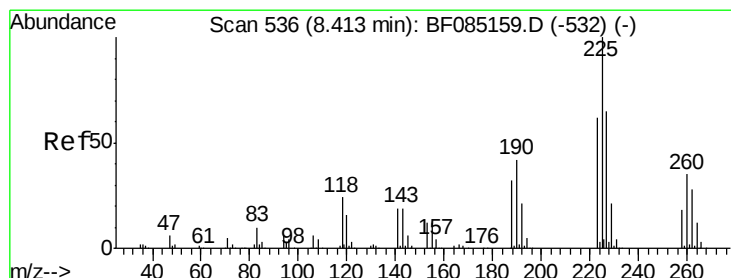
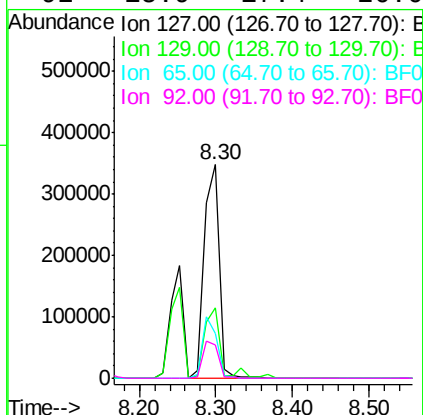
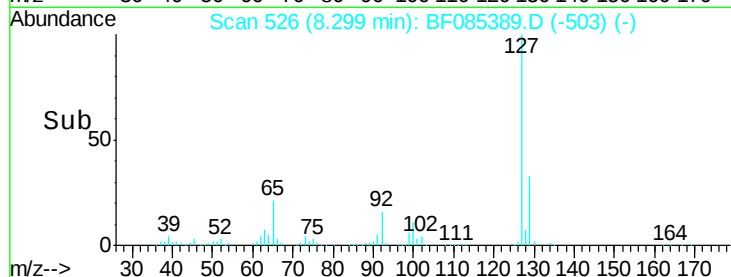
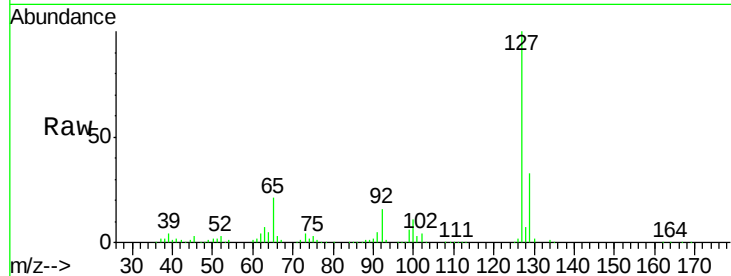
#33
4-Chloroaniline
Concen: 35.67 ng
RT: 8.30 min Scan# 526
Delta R.T. -0.03 min
Lab File: BF085389.D
Acq: 11 Mar 2016 23:21

Instrument :
BNA_F
ClientSampleId :
POST-EX-19-20160310MSD

Tgt Ion	Ratio	Resp	Lower	Upper
127	100			
129	33.2	26.1	39.1	
65	21.0	27.0	40.6	
92	15.9	17.4	26.0	

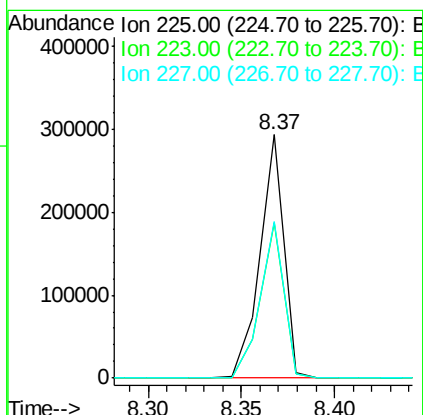
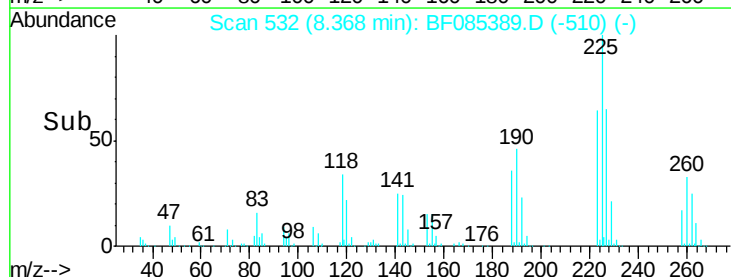
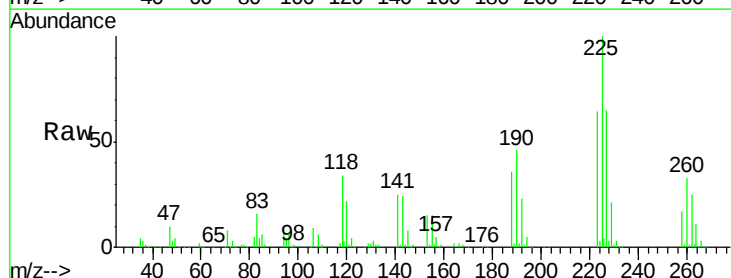
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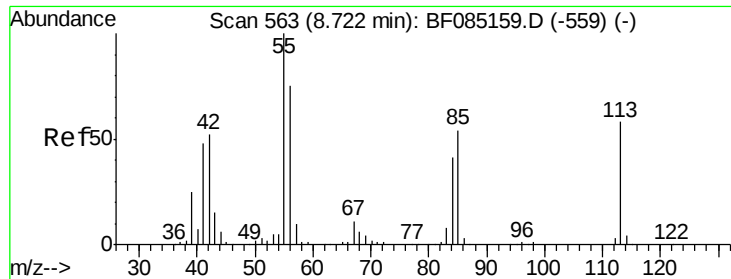
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#34
Hexachlorobutadiene
Concen: 51.78 ng
RT: 8.37 min Scan# 532
Delta R.T. -0.05 min
Lab File: BF085389.D
Acq: 11 Mar 2016 23:21

Tgt Ion	Ratio	Resp	Lower	Upper
225	100			
223	63.7	49.7	74.5	
227	64.5	52.2	78.4	





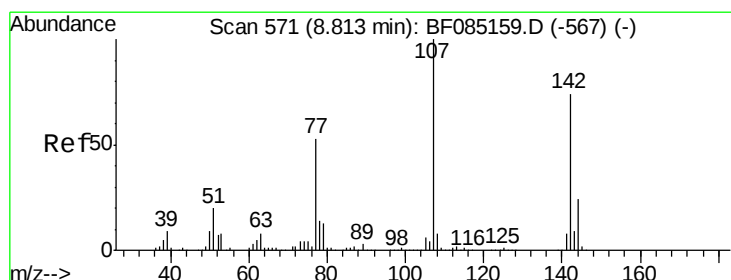
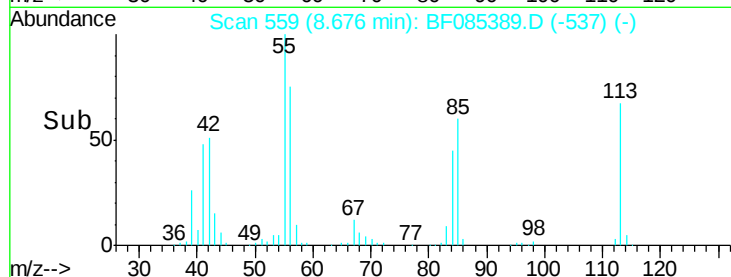
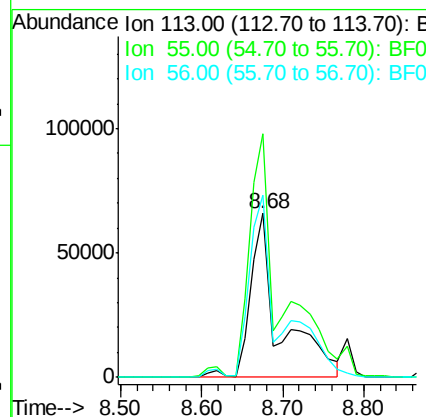
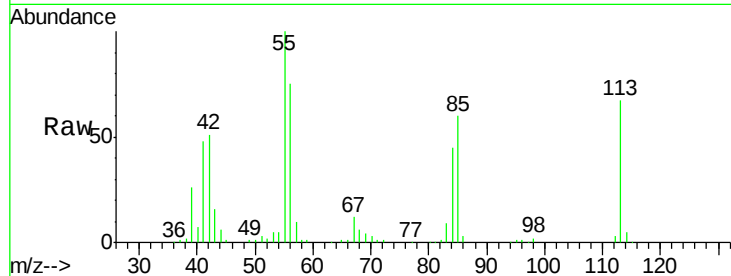
#35
 Caprolactam
 Concen: 57.21 ng m
 RT: 8.68 min Scan# 559
 Delta R.T. -0.05 min
 Lab File: BF085389.D
 Acq: 11 Mar 2016 23:21

Instrument :
 BNA_F
 ClientSampleId :
 POST-EX-19-20160310MSD

Tgt Ion	Ratio	Lower	Upper
113	100		
55	148.3	152.7	192.7#
56	111.4	109.0	149.0

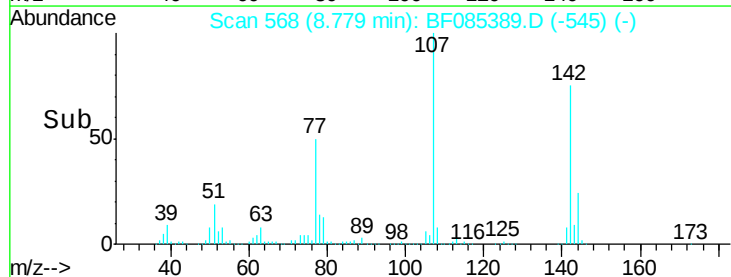
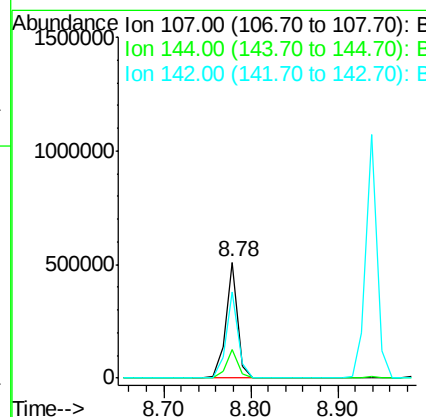
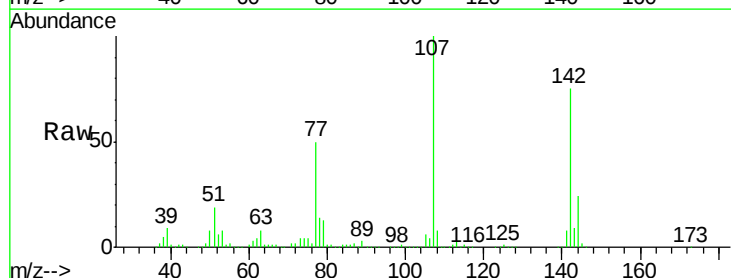
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#36
 4-Chloro-3-methylphenol
 Concen: 48.56 ng
 RT: 8.78 min Scan# 568
 Delta R.T. -0.03 min
 Lab File: BF085389.D
 Acq: 11 Mar 2016 23:21

Tgt Ion	Ratio	Lower	Upper
107	100		
144	24.4	19.4	29.2
142	74.9	59.4	89.2





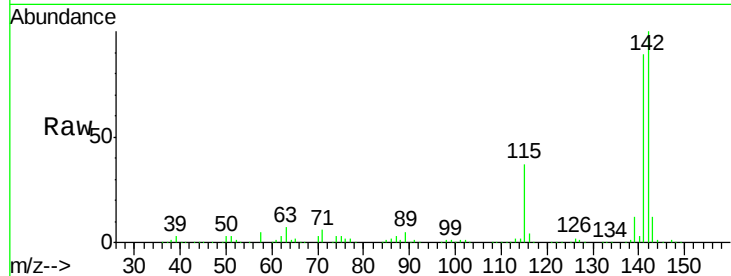
#37
2-Methylnaphthalene
Concen: 46.68 ng
RT: 8.94 min Scan# 582
Delta R.T. -0.05 min
Lab File: BF085389.D
Acq: 11 Mar 2016 23:21

Instrument :
BNA_F
ClientSampleId :
POST-EX-19-20160310MSD

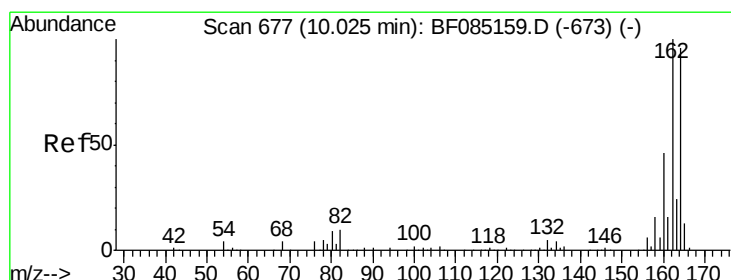
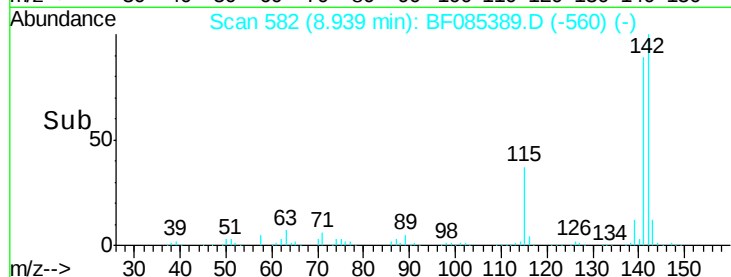
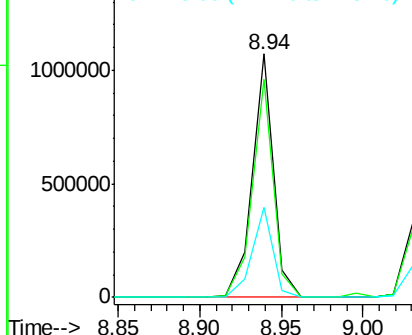
Tgt Ion	Ratio	Resp	Lower	Upper
142	100	959217		
141	89.3	71.7	107.5	
115	37.1	26.2	39.4	

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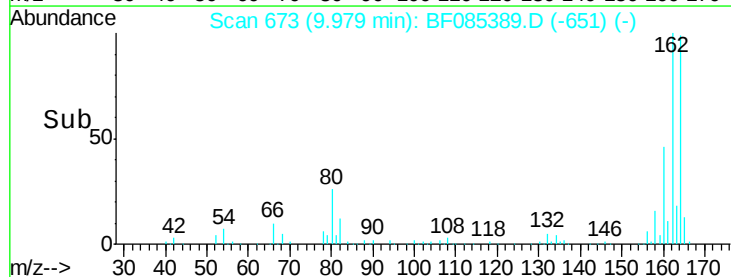
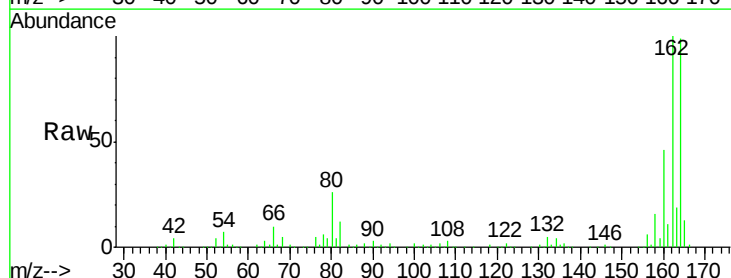
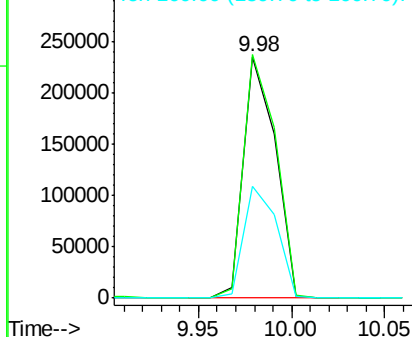
Abundance Ion 142.00 (141.70 to 142.70): E
Ion 141.00 (140.70 to 141.70): E
Ion 115.00 (114.70 to 115.70): E

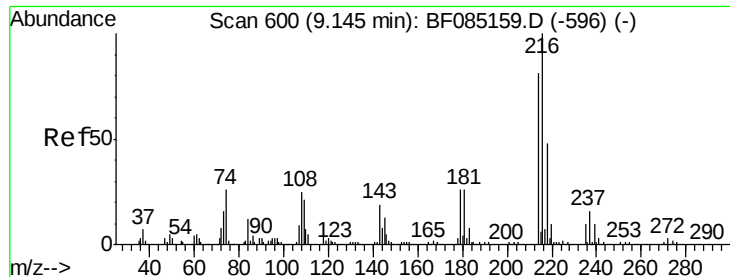


#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.98 min Scan# 673
Delta R.T. -0.05 min
Lab File: BF085389.D
Acq: 11 Mar 2016 23:21

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	279304		
162	100.8	83.3	124.9	
160	46.2	37.9	56.9	

Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E





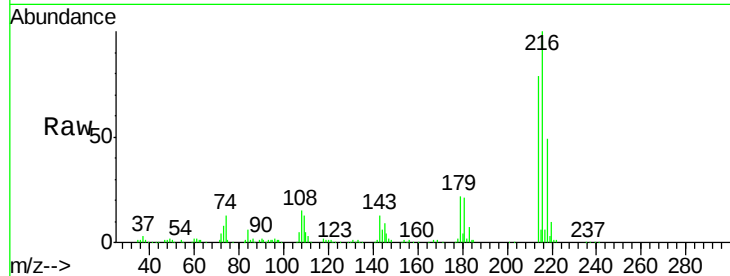
#39
 1,2,4,5-Tetrachlorobenzene
 Concen: 55.85 ng
 RT: 9.11 min Scan# 597
 Delta R.T. -0.03 min
 Lab File: BF085389.D
 Acq: 11 Mar 2016 23:21

Instrument :
 BNA_F
 ClientSampleId :
 POST-EX-19-20160310MSD

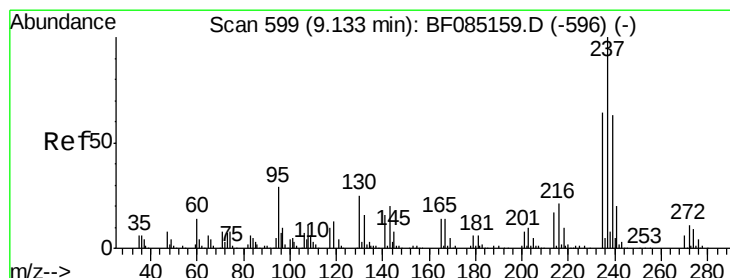
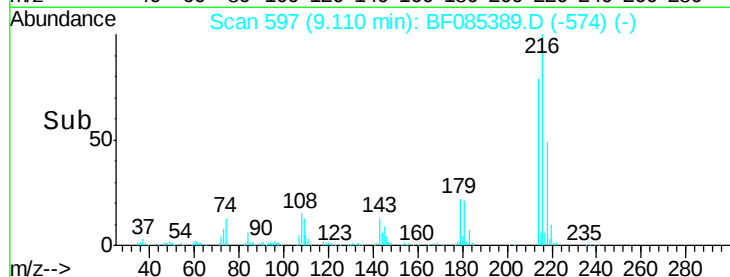
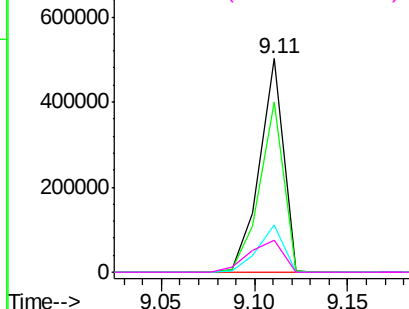
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Tgt Ion	Ratio	Resp	Lower	Upper
216	100	446092		
214	79.6	63.8	95.6	
179	23.3	19.6	29.4	
108	21.4	19.6	29.4	

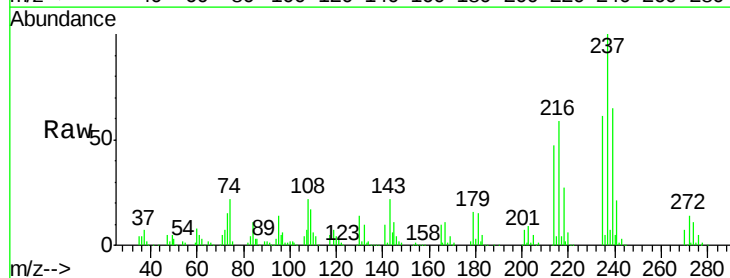


Abundance Ion 216.00 (215.70 to 216.70): E
 Ion 214.00 (213.70 to 214.70): E
 Ion 179.00 (178.70 to 179.70): E
 Ion 108.00 (107.70 to 108.70): E

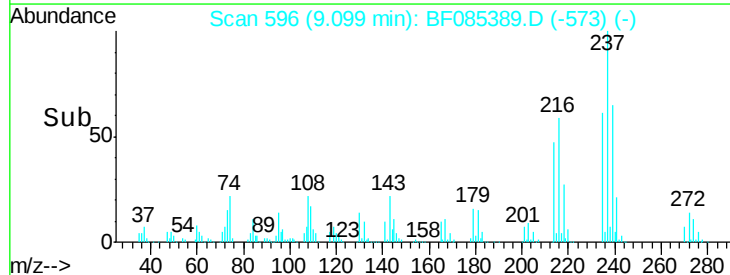
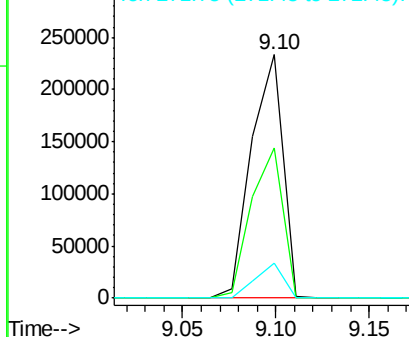


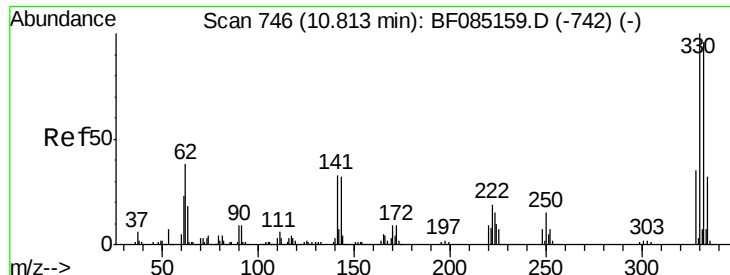
#40
 Hexachlorocyclopentadiene
 Concen: 63.35 ng
 RT: 9.10 min Scan# 596
 Delta R.T. -0.03 min
 Lab File: BF085389.D
 Acq: 11 Mar 2016 23:21

Tgt Ion	Ratio	Resp	Lower	Upper
237	100	272934		
235	61.5	43.7	83.7	
272	14.2	0.0	31.5	



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





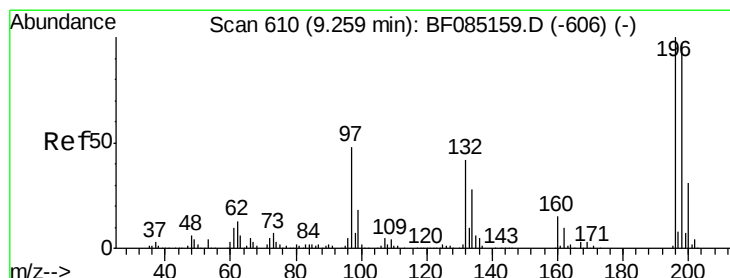
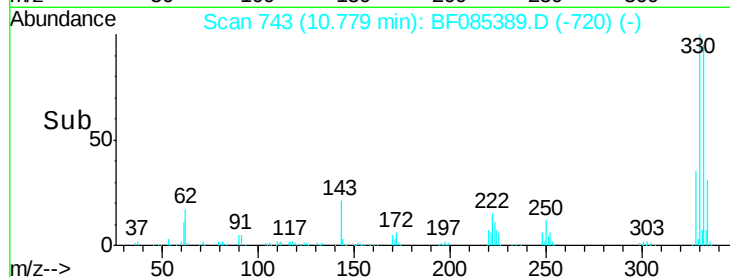
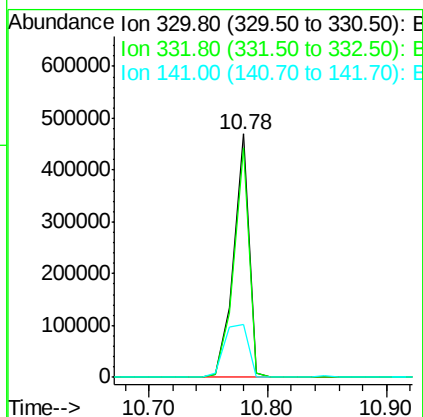
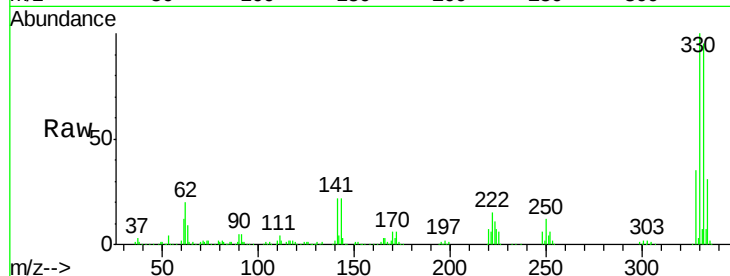
#41
 2,4,6-Tribromophenol
 Concen: 177.45 ng
 RT: 10.78 min Scan# 743
 Delta R.T. -0.03 min
 Lab File: BF085389.D
 Acq: 11 Mar 2016 23:21

Instrument :
 BNA_F
 ClientSampleId :
 POST-EX-19-20160310MSD

Tgt Ion	Ratio	Resp	Lower	Upper
330	100	424083		
332	94.4	77.1	115.7	
141	34.1	35.0	52.6#	

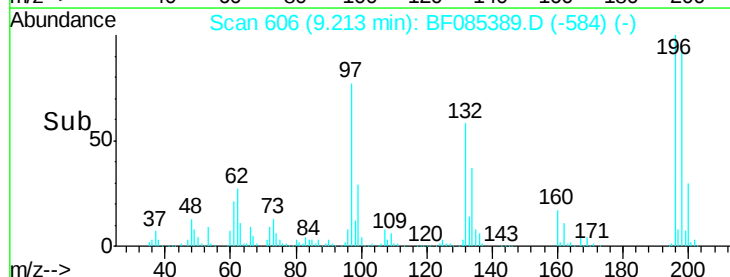
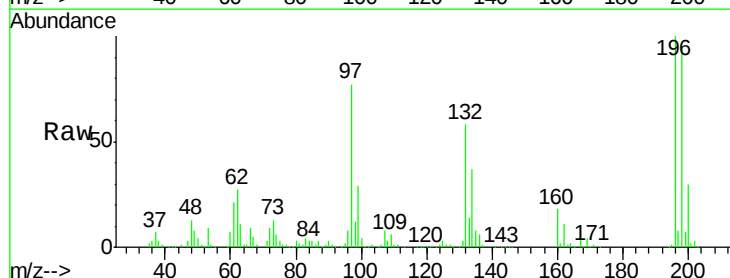
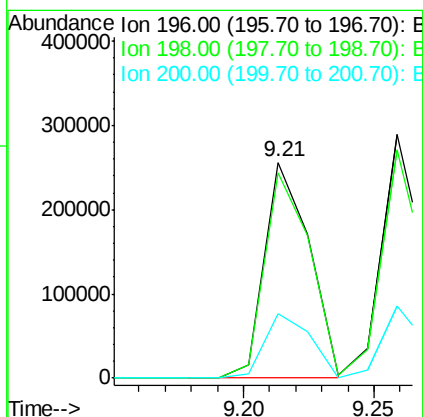
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#42
 2,4,6-Trichlorophenol
 Concen: 51.68 ng
 RT: 9.21 min Scan# 606
 Delta R.T. -0.05 min
 Lab File: BF085389.D
 Acq: 11 Mar 2016 23:21

Tgt Ion	Ratio	Resp	Lower	Upper
196	100	307307		
198	95.1	77.8	116.6	
200	29.7	25.0	37.6	





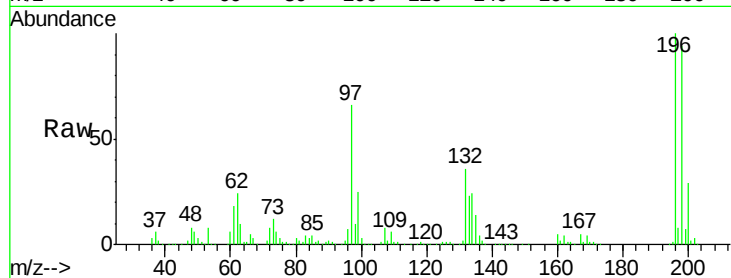
#43
 2,4,5-Trichlorophenol
 Concen: 55.77 ng
 RT: 9.26 min Scan# 610
 Delta R.T. -0.03 min
 Lab File: BF085389.D
 Acq: 11 Mar 2016 23:21

Instrument :
 BNA_F
 ClientSampleId :
 POST-EX-19-20160310MSD

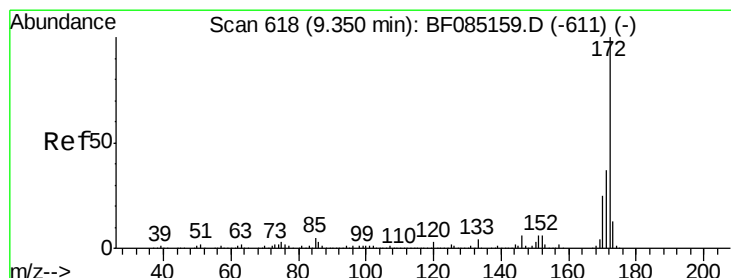
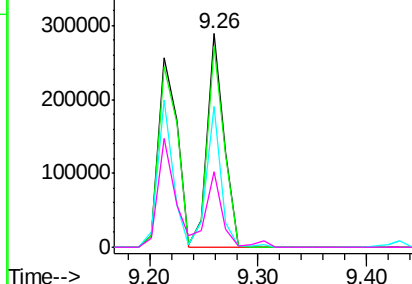
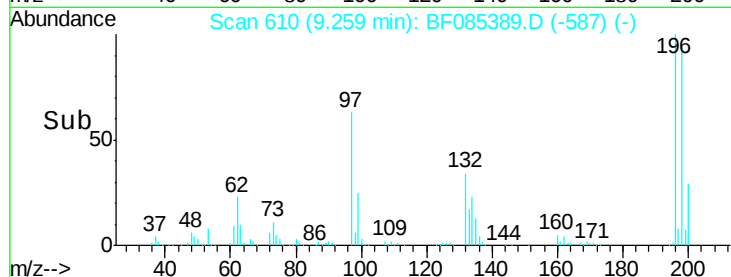
Tgt Ion:	196	Resp:	314418
Ion Ratio	Lower	Upper	
196	100		
198	93.8	75.7	113.5
97	65.8	46.4	69.6
132	35.5	26.2	39.4

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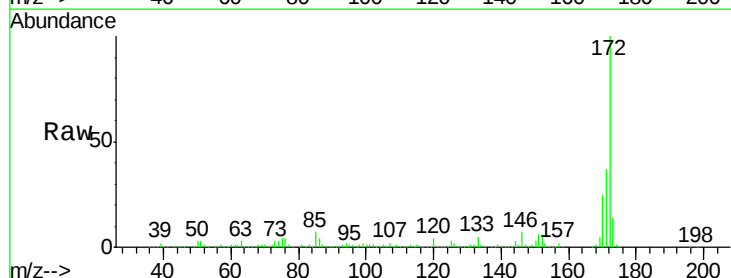


Abundance Ion 196.00 (195.70 to 196.70): E
 Ion 198.00 (197.70 to 198.70): E
 Ion 97.00 (96.70 to 97.70): BF0
 Ion 132.00 (131.70 to 132.70): E

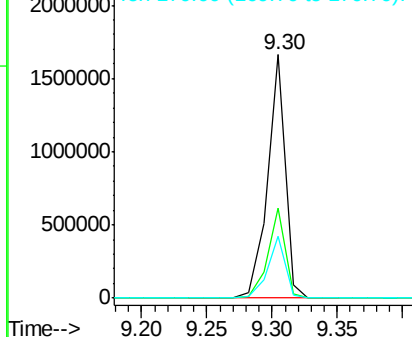
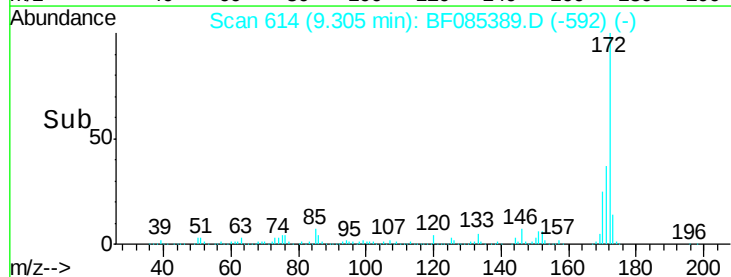


#44
 2-Fluorobiphenyl
 Concen: 86.03 ng
 RT: 9.30 min Scan# 614
 Delta R.T. -0.05 min
 Lab File: BF085389.D
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Tgt Ion:	172	Resp:	1579981
Ion Ratio	Lower	Upper	
172	100		
171	37.0	29.3	43.9
170	25.2	20.0	30.0



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





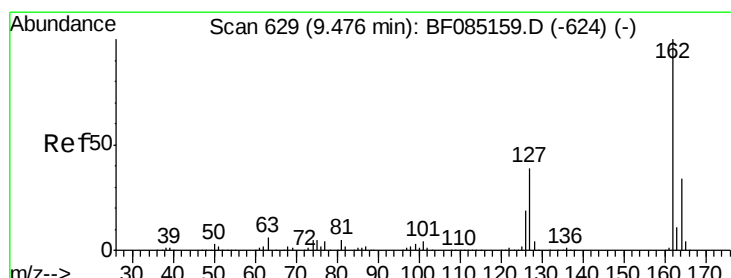
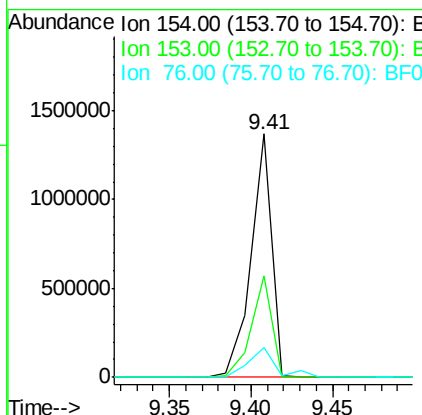
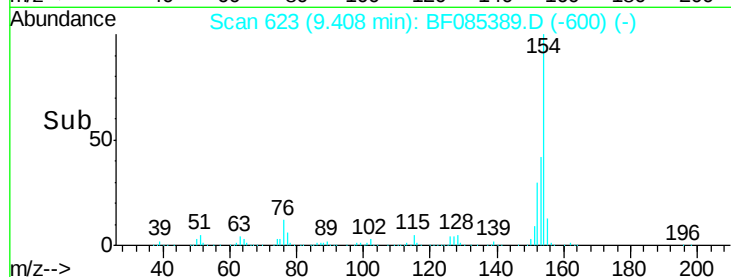
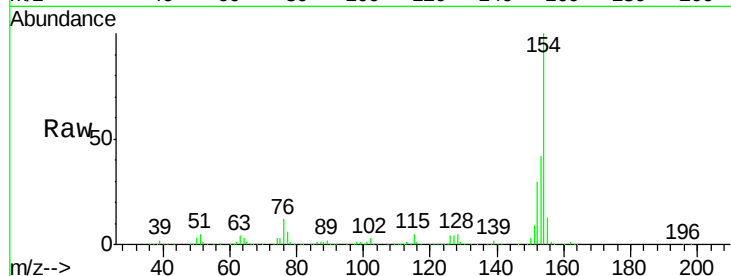
#45
1,1'-Biphenyl
Concen: 50.46 ng
RT: 9.41 min Scan# 623
Delta R.T. -0.03 min
Lab File: BF085389.D
Acq: 11 Mar 2016 23:21

Instrument :
BNA_F
ClientSampleId :
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Tgt Ion	Ratio	Lower	Upper
154	100		
153	41.8	21.4	61.4
76	12.4	0.0	37.5

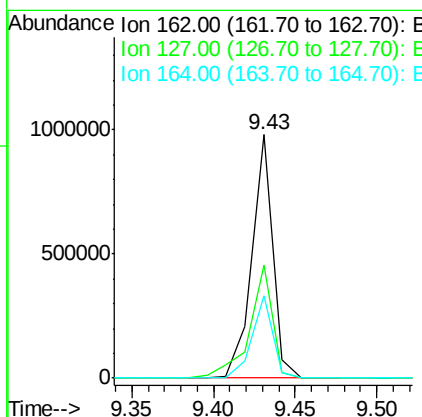
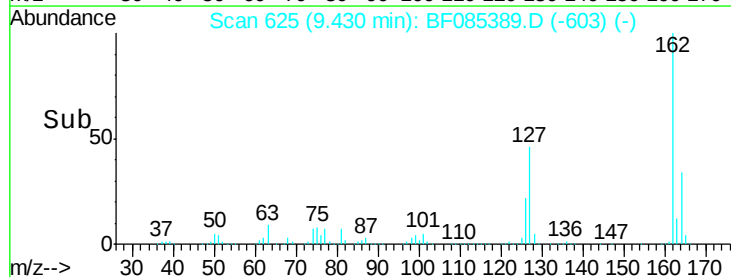
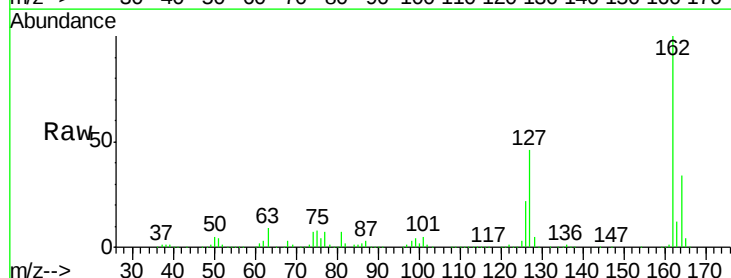
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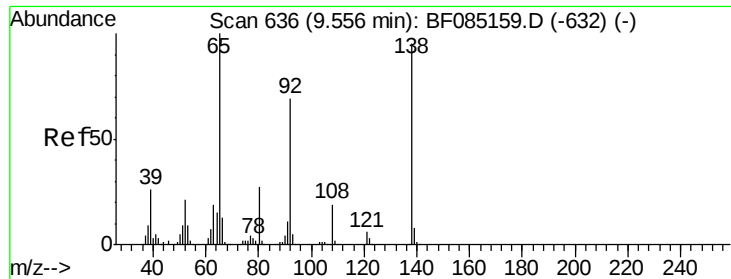
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#46
2-Chloronaphthalene
Concen: 47.89 ng
RT: 9.43 min Scan# 625
Delta R.T. -0.05 min
Lab File: BF085389.D
Acq: 11 Mar 2016 23:21

Tgt Ion	Ratio	Lower	Upper
162	100		
127	46.5	31.6	47.4
164	33.8	27.1	40.7





#47

2-Nitroaniline

Concen: 48.35 ng

RT: 9.52 min Scan# 633

Delta R.T. -0.03 min

Lab File: BF085389.D

Acq: 11 Mar 2016 23:21

Instrument :

BNA_F

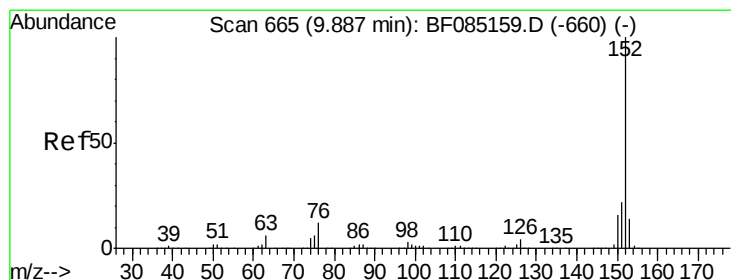
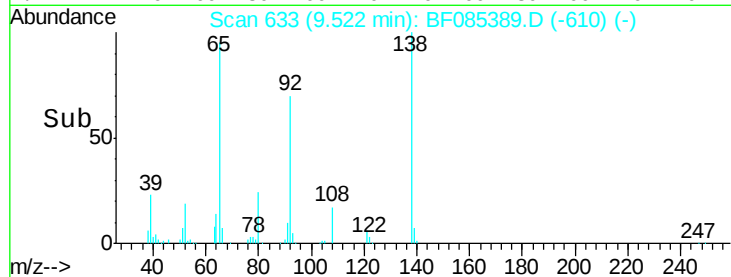
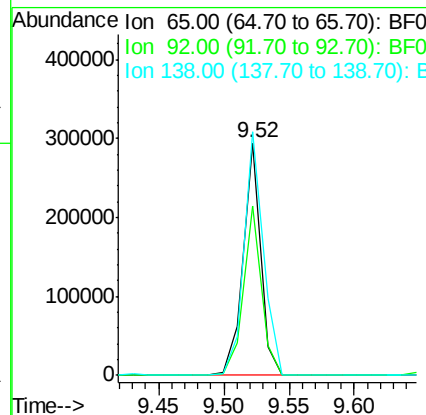
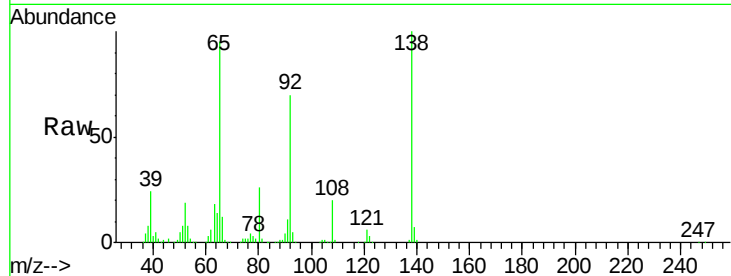
ClientSampleId :

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Tgt Ion:	65	Resp:	272505
Ion Ratio	Lower	Upper	
65	100		
92	72.9	55.4	83.2
138	104.8	75.7	113.5

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#48

Acenaphthylene

Concen: 50.48 ng

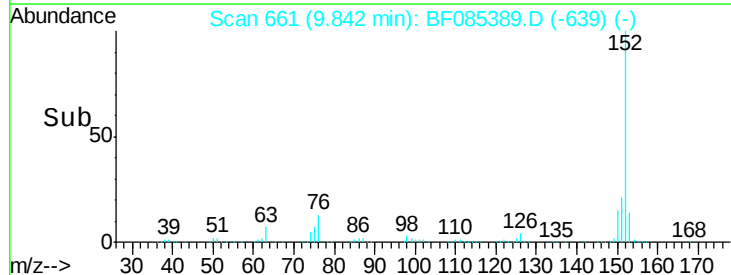
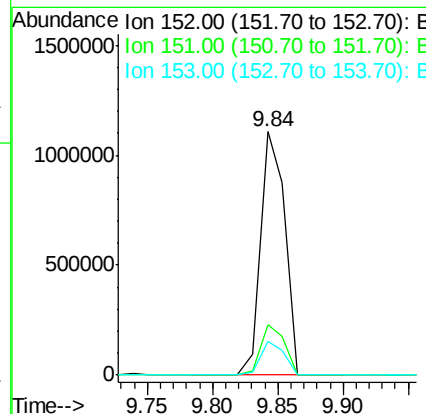
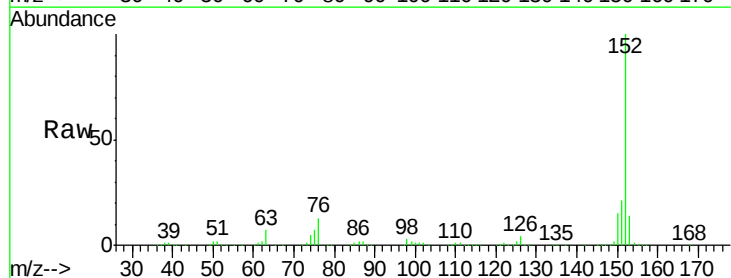
RT: 9.84 min Scan# 661

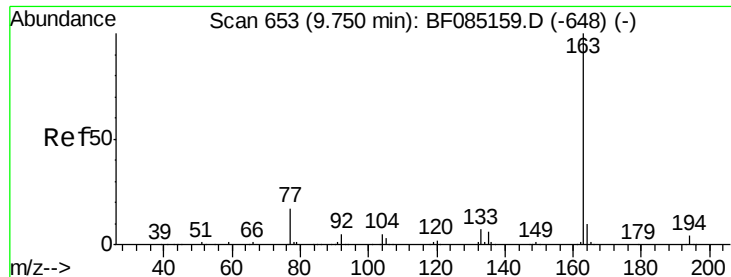
Delta R.T. -0.05 min

Lab File: BF085389.D

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Tgt Ion:	152	Resp:	1429043
Ion Ratio	Lower	Upper	
152	100		
151	20.8	17.5	26.3
153	14.0	11.3	16.9





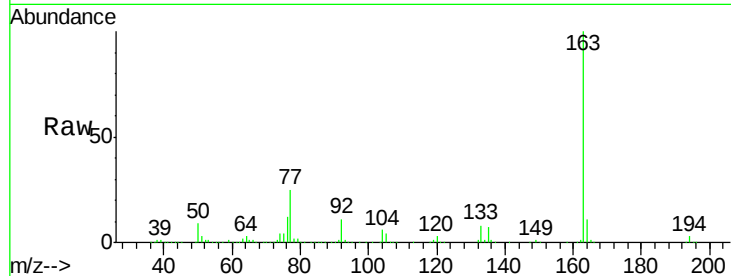
#49
Dimethylphthalate
Concen: 59.39 ng
RT: 9.70 min Scan# 649
Delta R.T. -0.05 min
Lab File: BF085389.D
Acq: 11 Mar 2016 23:21

Instrument :
BNA_F
ClientSampleId :
POST-EX-19-20160310MSD

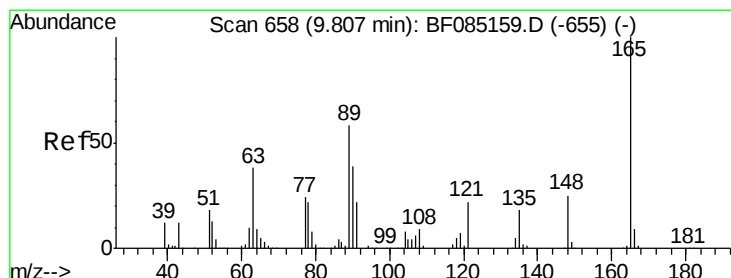
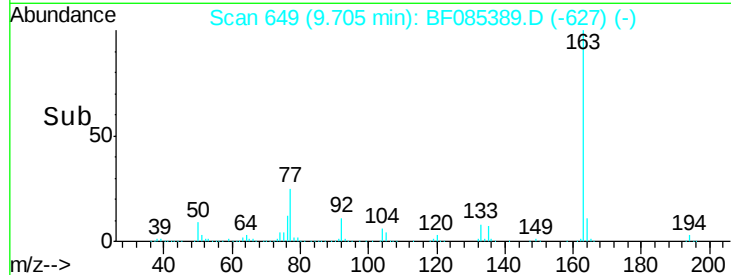
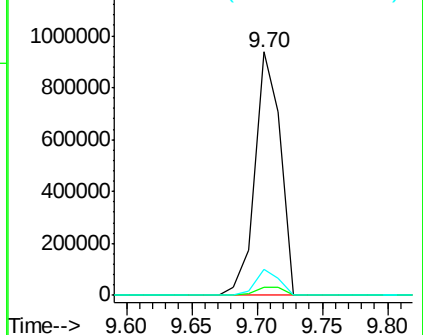
Tgt Ion:163 Resp: 1273205
Ion Ratio Lower Upper
163 100
194 3.4 3.1 4.7
164 10.9 8.2 12.4

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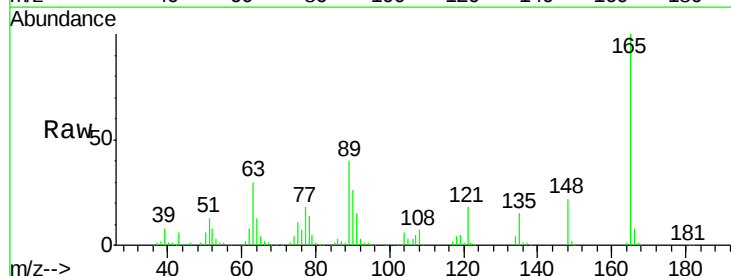


Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

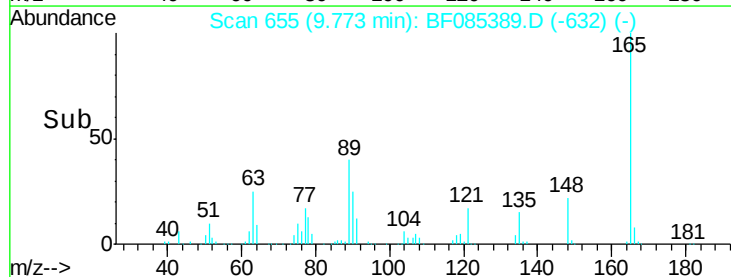
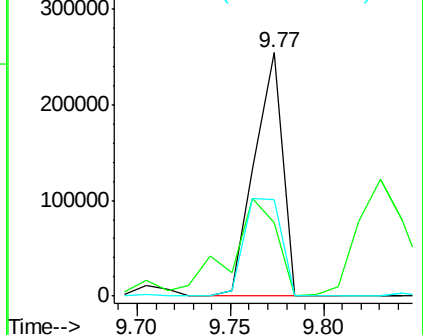


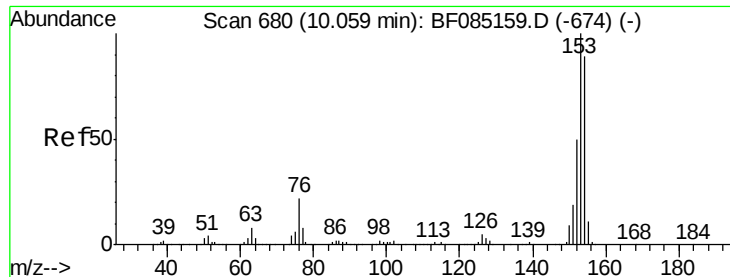
#50
2,6-Dinitrotoluene
Concen: 58.96 ng
RT: 9.77 min Scan# 655
Delta R.T. -0.03 min
Lab File: BF085389.D
Acq: 11 Mar 2016 23:21

Tgt Ion:165 Resp: 270411
Ion Ratio Lower Upper
165 100
63 29.9 41.8 62.8#
89 39.8 46.7 70.1#



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





#51

Acenaphthene

Concen: 51.61 ng

RT: 10.02 min Scan# 677

Delta R.T. -0.03 min

Lab File: BF085389.D

Acq: 11 Mar 2016 23:21

Instrument :

BNA_F

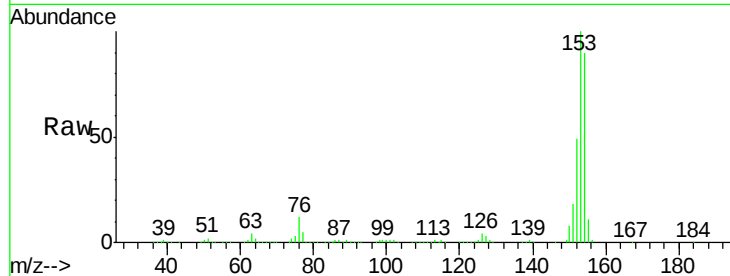
ClientSampleId :

POST-EX-19-20160310MSD

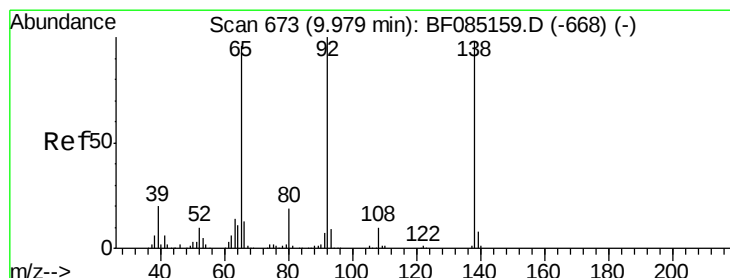
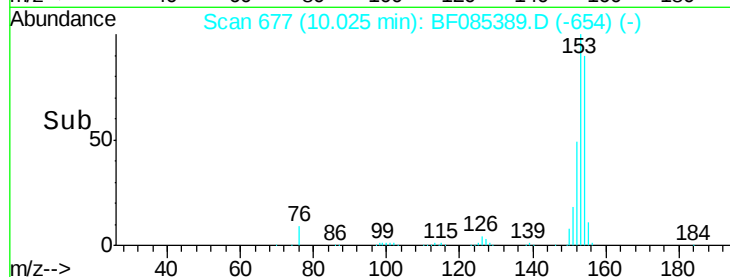
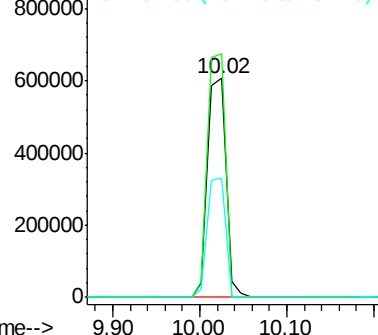
Tgt Ion:	154	Resp:	887158
Ion Ratio	Lower	Upper	
154	100		
153	111.2	89.8	134.8
152	54.4	44.6	66.8

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Abundance Ion 154.00 (153.70 to 154.70): E
Ion 153.00 (152.70 to 153.70): E
Ion 152.00 (151.70 to 152.70): E



#52

3-Nitroaniline

Concen: 37.53 ng

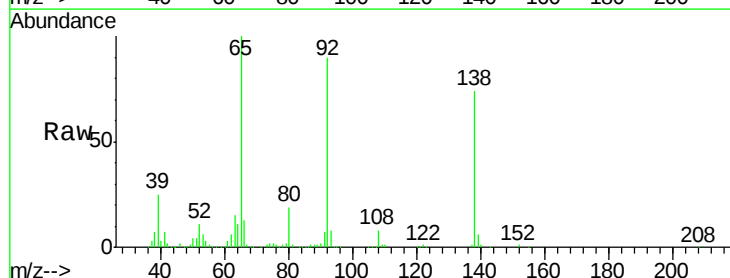
RT: 9.93 min Scan# 669

Delta R.T. -0.05 min

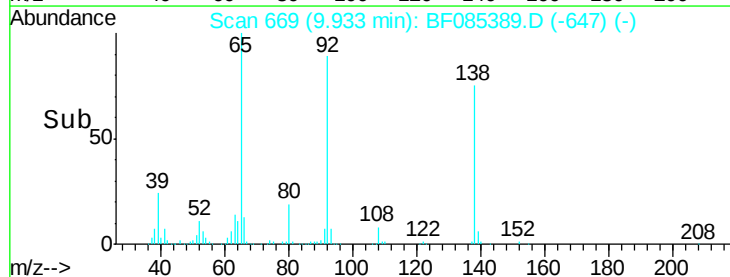
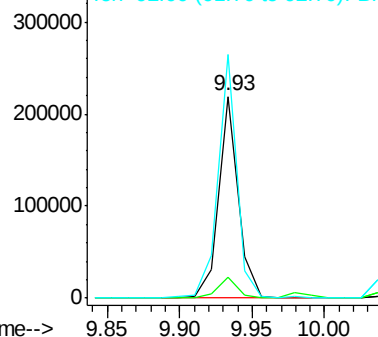
Lab File: BF085389.D

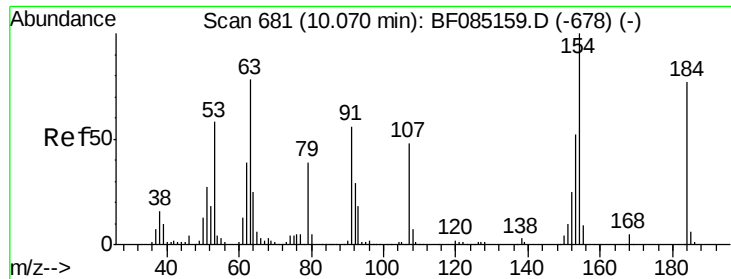
Acq: 11 Mar 2016 23:21

Tgt Ion:	138	Resp:	205903
Ion Ratio	Lower	Upper	
138	100		
108	10.6	7.8	11.6
92	120.6	81.3	121.9



Abundance Ion 138.00 (137.70 to 138.70): E
Ion 108.00 (107.70 to 108.70): E
Ion 92.00 (91.70 to 92.70): BF0





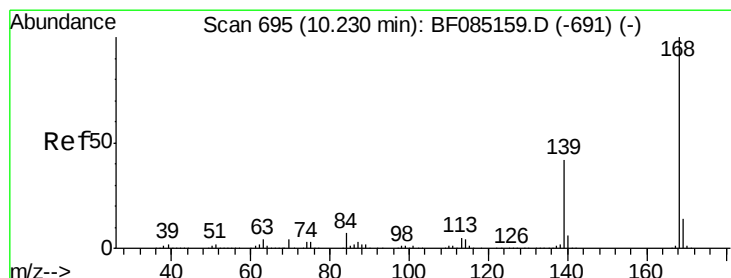
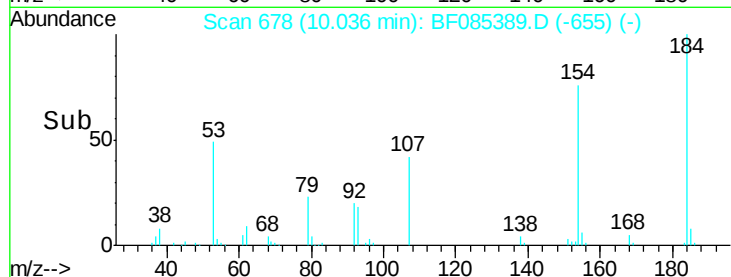
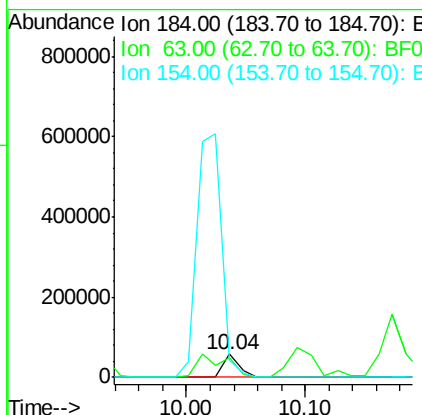
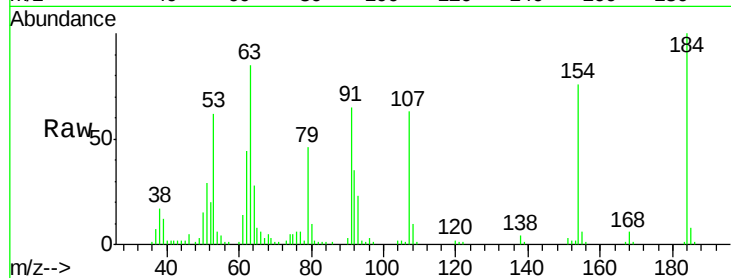
#53
 2,4-Dinitrophenol
 Concen: 29.73 ng
 RT: 10.04 min Scan# 678
 Delta R.T. -0.03 min
 Lab File: BF085389.D
 Acq: 11 Mar 2016 23:21

Instrument :
 BNA_F
 ClientSampleId :
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Tgt Ion:184 Resp: 56140
 Ion Ratio Lower Upper
 184 100
 63 85.1 82.2 123.4
 154 75.9 108.9 163.3#

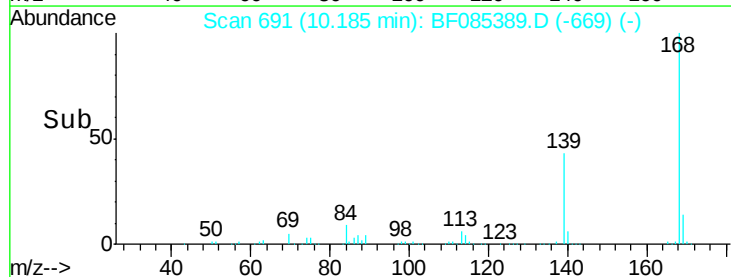
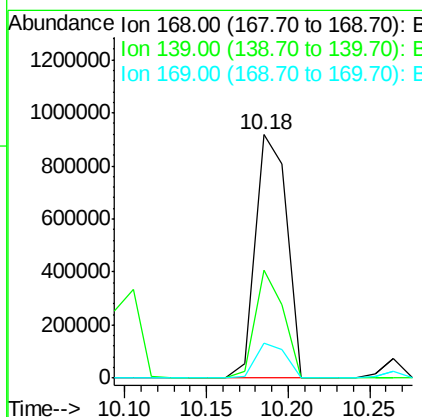
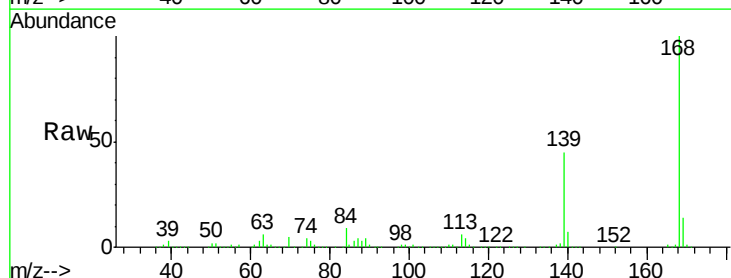
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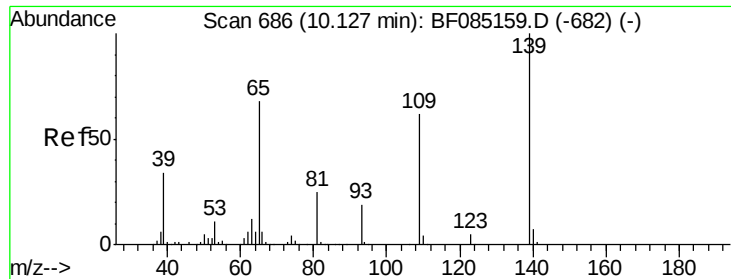
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#54
 Dibenzofuran
 Concen: 54.30 ng
 RT: 10.18 min Scan# 691
 Delta R.T. -0.05 min
 Lab File: BF085389.D
 Acq: 11 Mar 2016 23:21

Tgt Ion:168 Resp: 1222868
 Ion Ratio Lower Upper
 168 100
 139 44.5 33.6 50.4
 169 14.3 11.2 16.8





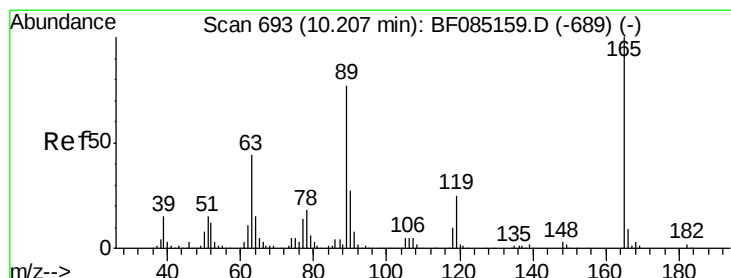
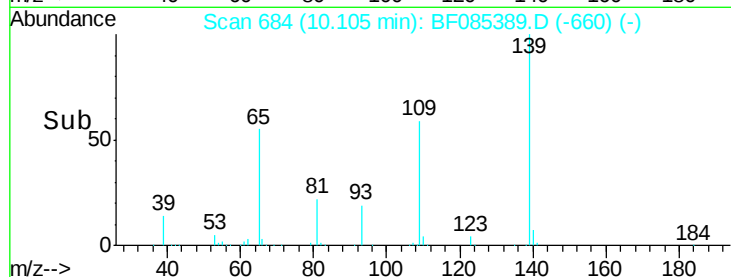
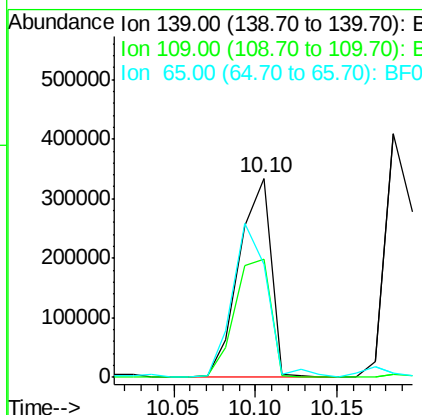
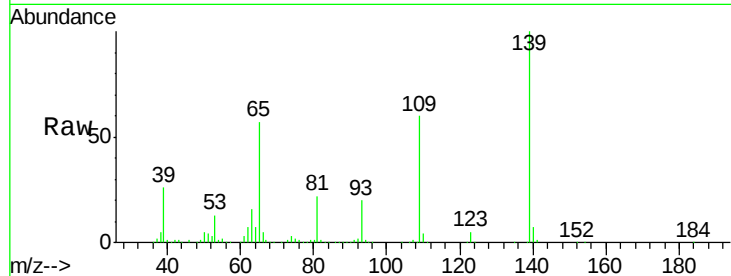
#55
4-Nitrophenol
Concen: 105.64 ng
RT: 10.10 min Scan# 684
Delta R.T. -0.02 min
Lab File: BF085389.D
Acq: 11 Mar 2016 23:21

Instrument :
BNA_F
ClientSampleId :
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Tgt Ion	Ratio	Resp	Lower	Upper
139	100	455518		
109	59.5	41.9	81.9	
65	57.0	48.3	88.3	

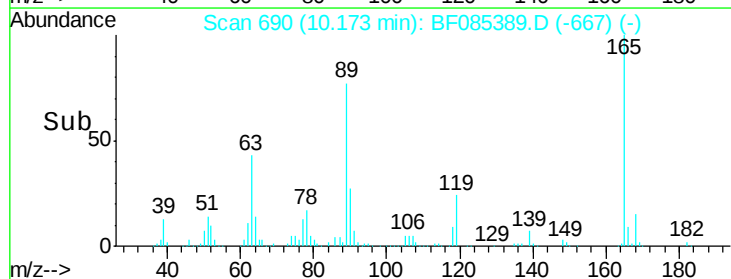
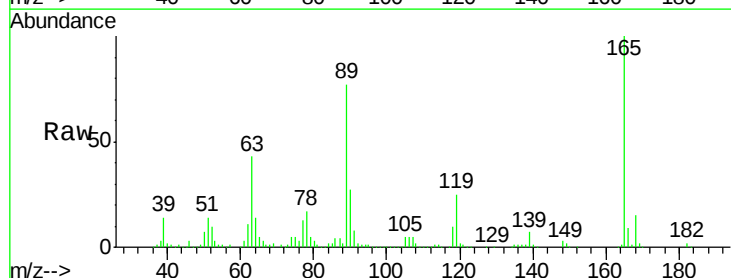
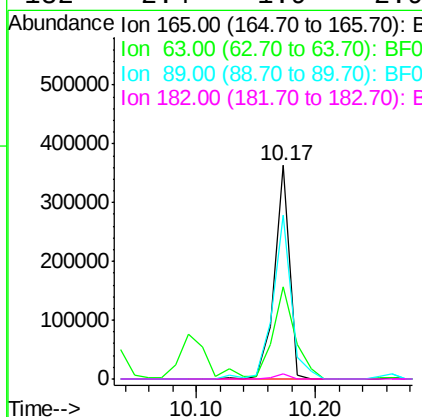
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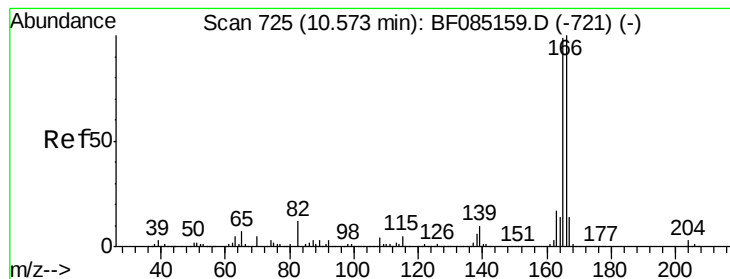
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#56
2,4-Dinitrotoluene
Concen: 54.64 ng
RT: 10.17 min Scan# 690
Delta R.T. -0.03 min
Lab File: BF085389.D
Acq: 11 Mar 2016 23:21

Tgt Ion	Ratio	Resp	Lower	Upper
165	100	320684		
63	43.0	35.4	53.0	
89	76.7	61.9	92.9	
182	2.4	1.9	2.9	





#57

Fluorene

Concen: 50.03 ng

RT: 10.54 min Scan# 722

Delta R.T. -0.03 min

Lab File: BF085389.D

Acq: 11 Mar 2016 23:21

Instrument :

BNA_F

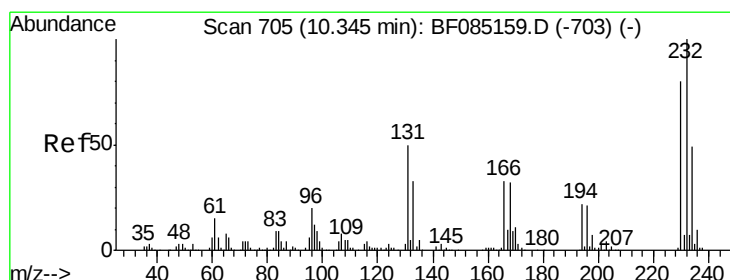
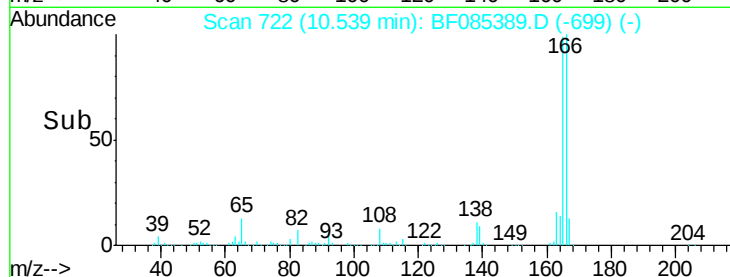
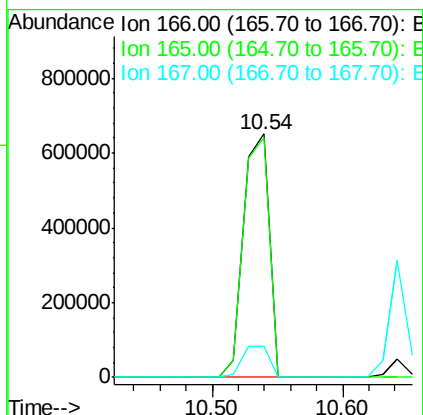
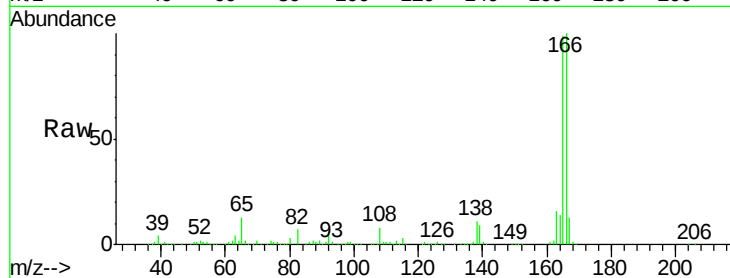
ClientSampleId :

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Tgt Ion:	166	Resp:	884941
Ion Ratio	Lower	Upper	
166	100		
165	98.6	79.4	119.0
167	12.8	11.0	16.6

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#58

2,3,4,6-Tetrachlorophenol

Concen: 63.07 ng

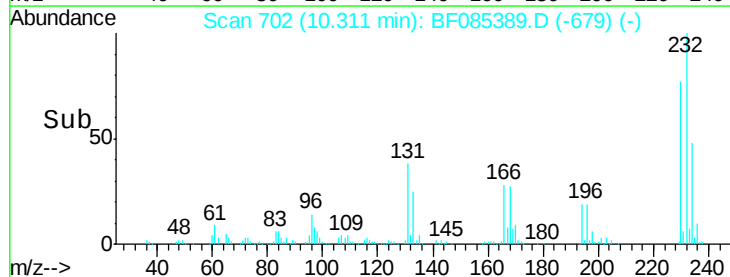
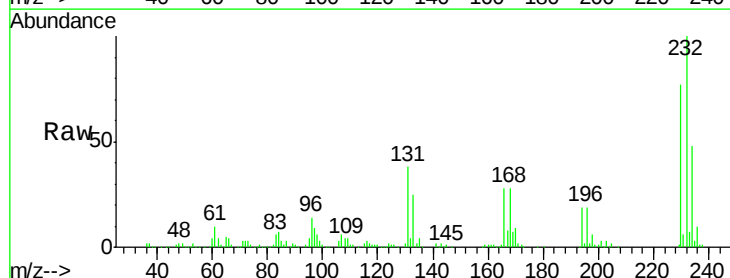
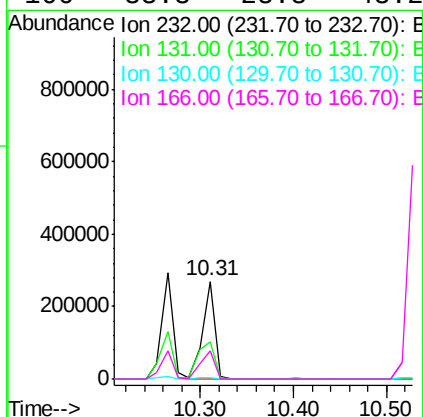
RT: 10.31 min Scan# 702

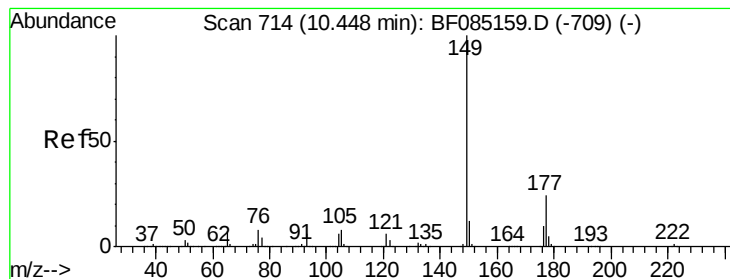
Delta R.T. -0.03 min

Lab File: BF085389.D

Acq: 11 Mar 2016 23:21

Tgt Ion:	232	Resp:	249783
Ion Ratio	Lower	Upper	
232	100		
131	51.4	46.0	69.0
130	2.5	2.2	3.4
166	33.3	28.8	43.2





#59

Diethylphthalate

Concen: 49.88 ng

RT: 10.40 min Scan# 710

Delta R.T. -0.05 min

Lab File: BF085389.D

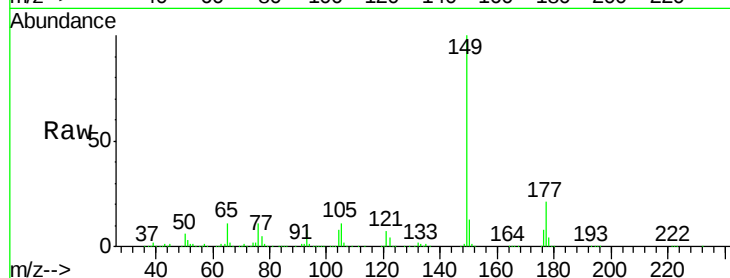
Acq: 11 Mar 2016 23:21

Instrument :

BNA_F

ClientSampleId :

POST-EX-19-20160310MSD



Tgt Ion:149 Resp: 1037650

Ion Ratio Lower Upper

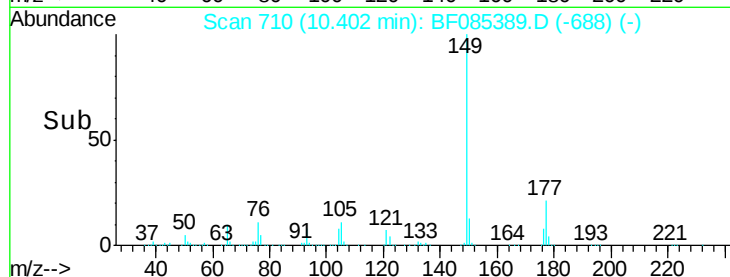
149 100

177 20.6 19.2 28.8

150 13.4 9.9 14.9

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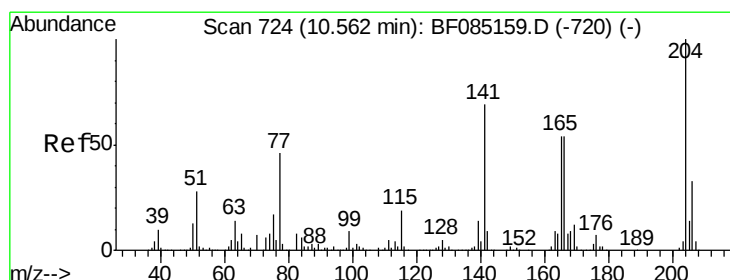
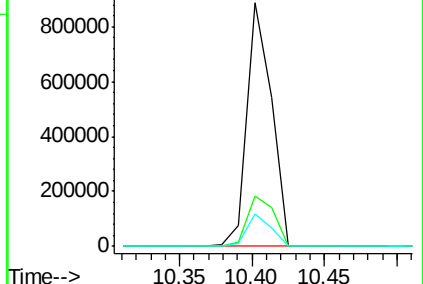
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Abundance Ion 149.00 (148.70 to 149.70): E

Ion 177.00 (176.70 to 177.70): E

Ion 150.00 (149.70 to 150.70): E



#60

4-Chlorophenyl-phenylether

Concen: 53.81 ng

RT: 10.53 min Scan# 721

Delta R.T. -0.03 min

Lab File: BF085389.D

Acq: 11 Mar 2016 23:21

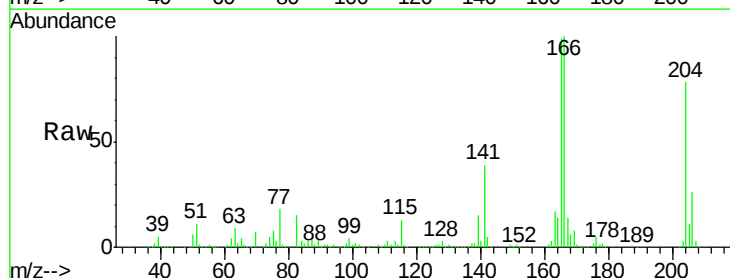
Tgt Ion:204 Resp: 463164

Ion Ratio Lower Upper

204 100

206 33.5 26.5 39.7

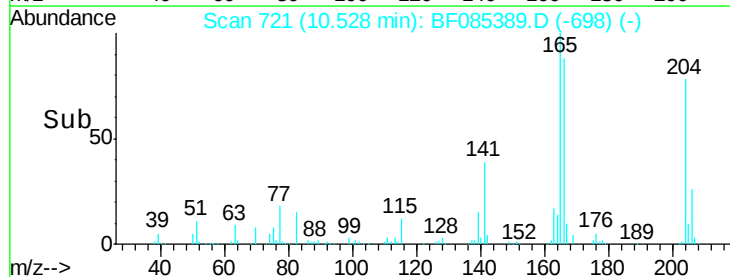
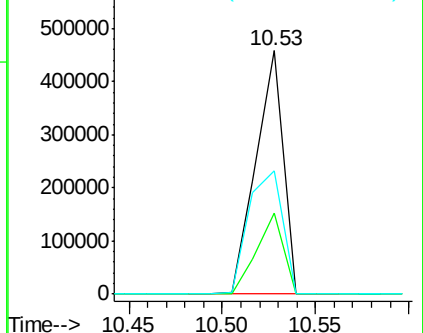
141 50.7 55.4 83.2#

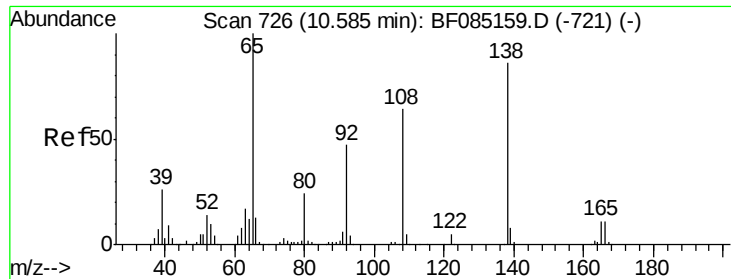


Abundance Ion 204.00 (203.70 to 204.70): E

Ion 206.00 (205.70 to 206.70): E

Ion 141.00 (140.70 to 141.70): E





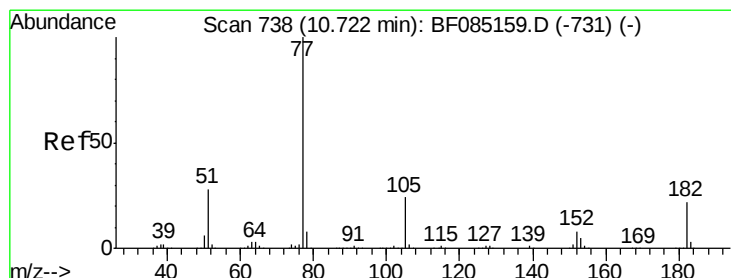
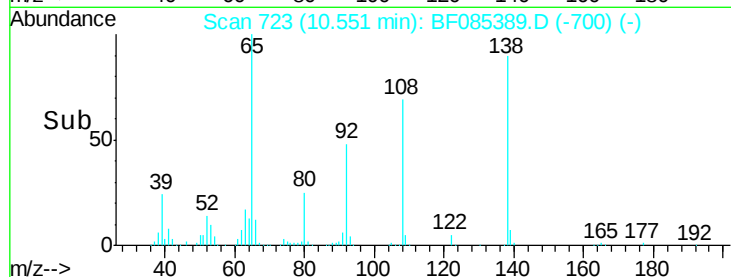
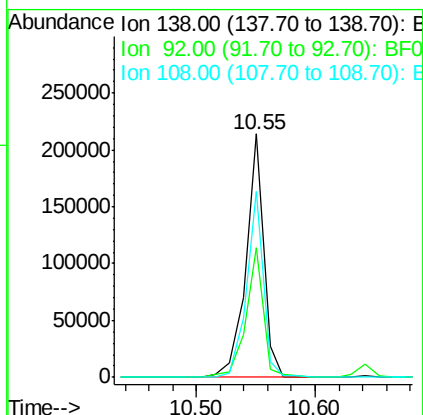
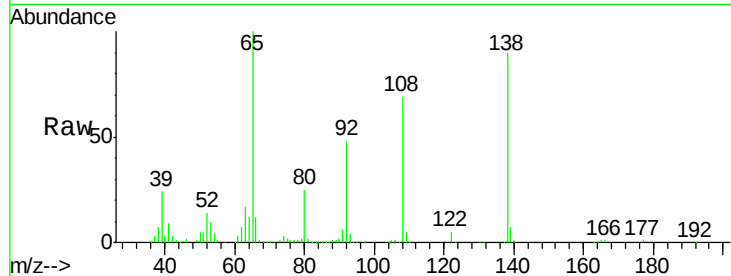
#61
4-Nitroaniline
Concen: 44.07 ng
RT: 10.55 min Scan# 723
Delta R.T. -0.03 min
Lab File: BF085389.D
Acq: 11 Mar 2016 23:21

Instrument :
BNA_F
ClientSampleId :
POST-EX-19-20160310MSD

Tgt Ion	Ratio	Resp	Lower	Upper
138	100	226151		
92	53.2	34.2	74.2	
108	76.5	53.9	93.9	

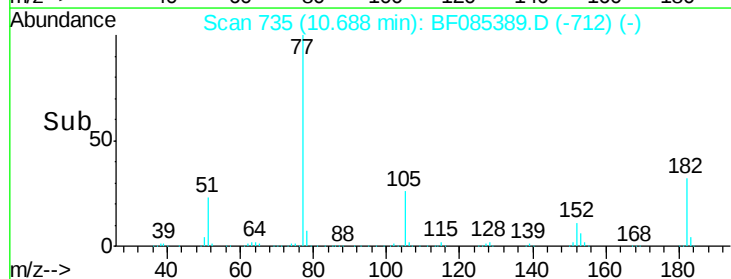
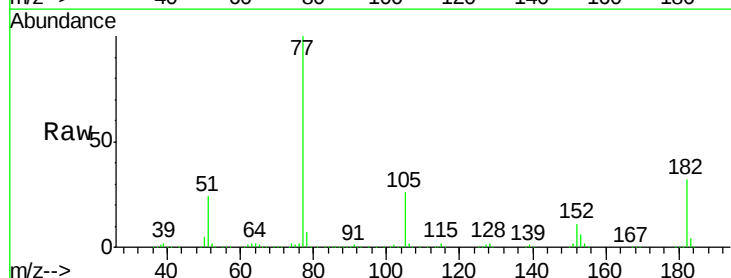
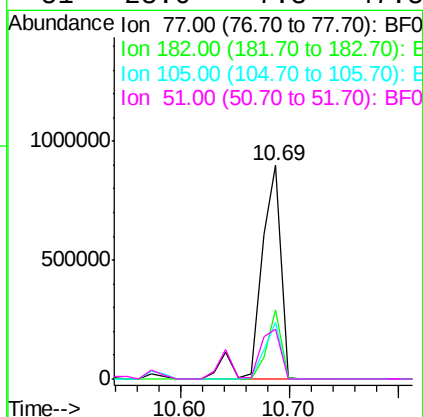
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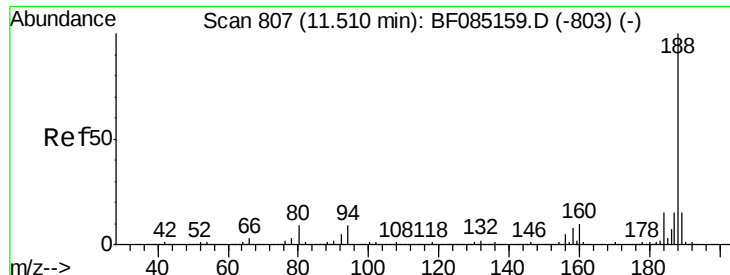
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#62
Azobenzene
Concen: 56.12 ng
RT: 10.69 min Scan# 735
Delta R.T. -0.03 min
Lab File: BF085389.D
Acq: 11 Mar 2016 23:21

Tgt Ion	Ratio	Resp	Lower	Upper
77	100	1150131		
182	32.4	2.1	42.1	
105	26.3	3.8	43.8	
51	23.6	7.8	47.8	





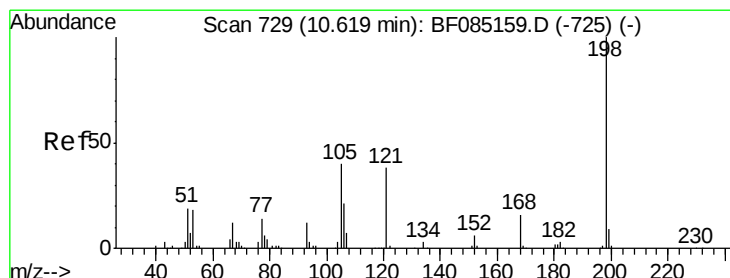
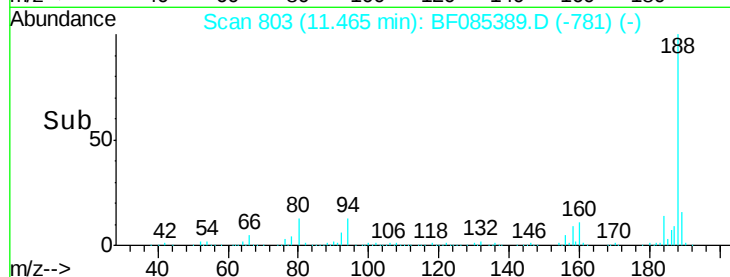
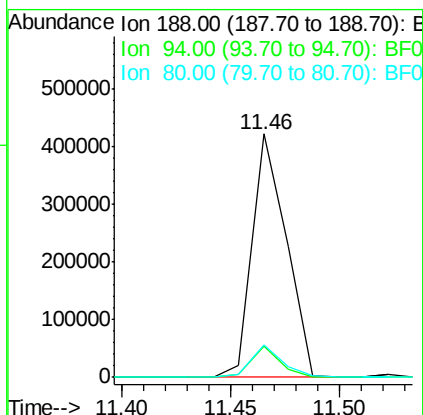
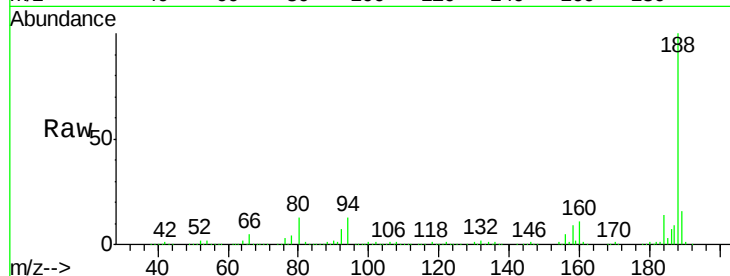
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.46 min Scan# 803
Delta R.T. -0.05 min
Lab File: BF085389.D
Acq: 11 Mar 2016 23:21

Instrument :
BNA_F
ClientSampleId :
POST-EX-19-20160310MSD

Tgt Ion	Ratio	Resp Lower	Resp Upper
188	100		
94	12.5	7.0	10.6#
80	13.3	7.4	11.0#

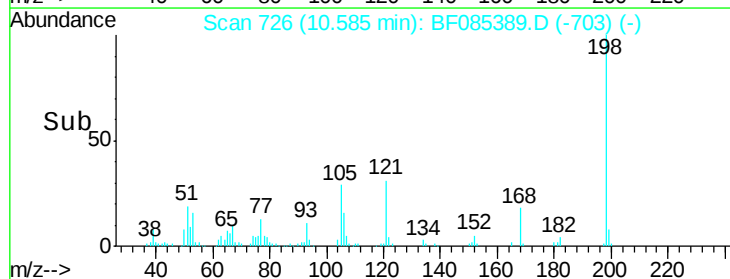
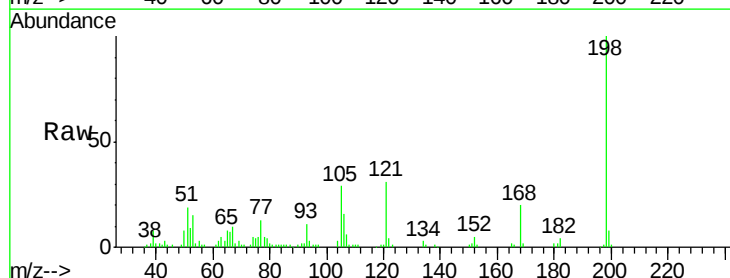
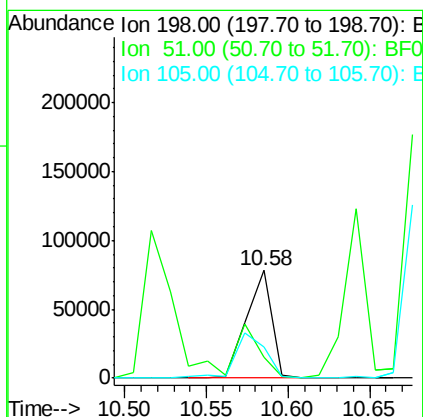
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#64
4,6-Dinitro-2-methylphenol
Concen: 30.49 ng
RT: 10.58 min Scan# 726
Delta R.T. -0.03 min
Lab File: BF085389.D
Acq: 11 Mar 2016 23:21

Tgt Ion	Ratio	Resp Lower	Resp Upper
198	100		
51	19.3	9.5	49.5
105	28.7	20.5	60.5





#65

n-Nitrosodiphenylamine

Concen: 53.58 ng

RT: 10.64 min Scan# 731

Delta R.T. -0.03 min

Lab File: BF085389.D

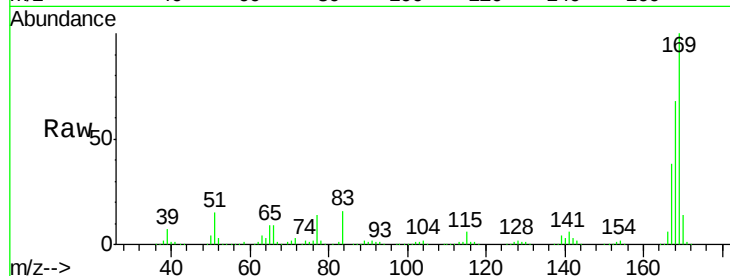
Acq: 11 Mar 2016 23:21

Instrument :

BNA_F

ClientSampleId :

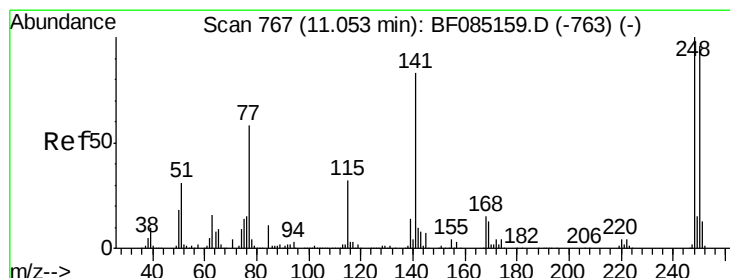
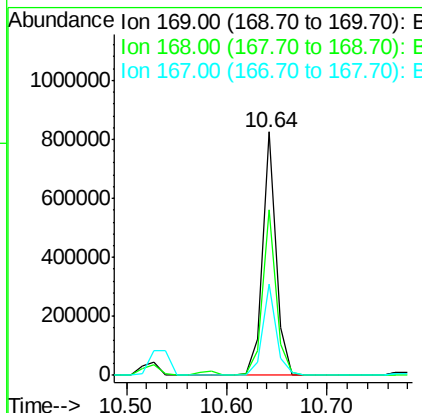
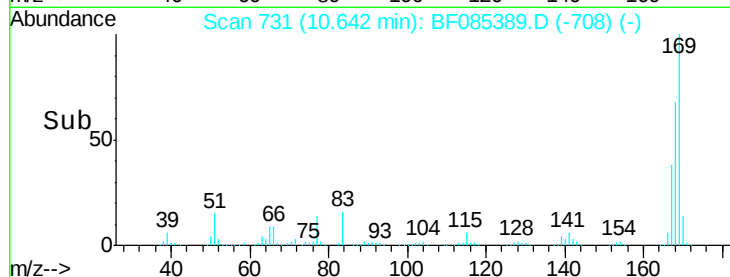
POST-EX-19-20160310MSD



Tgt Ion:	169	Resp:	768987
Ion Ratio	Lower	Upper	
169	100		
168	67.9	54.8	82.2
167	37.7	30.3	45.5

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#66

4-Bromophenyl-phenylether

Concen: 59.39 ng

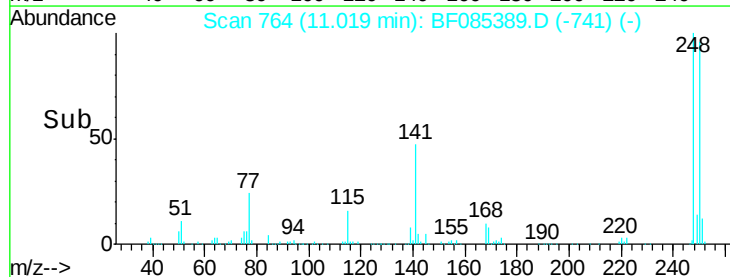
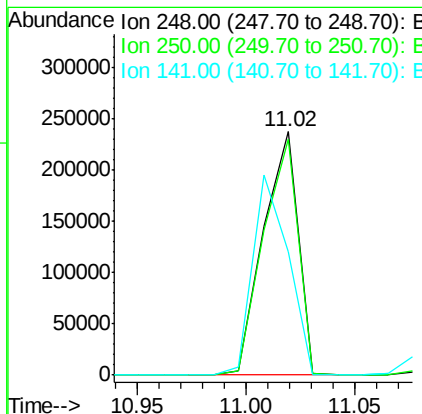
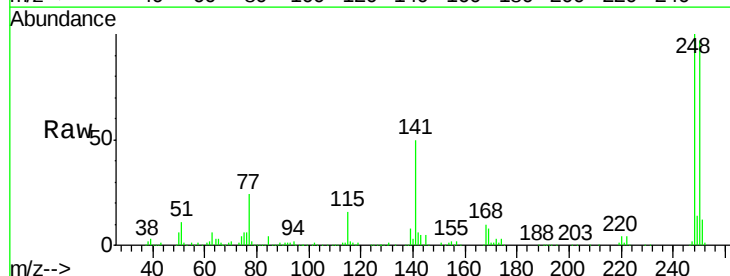
RT: 11.02 min Scan# 764

Delta R.T. -0.03 min

Lab File: BF085389.D

Acq: 11 Mar 2016 23:21

Tgt Ion:	248	Resp:	266120
Ion Ratio	Lower	Upper	
248	100		
250	96.8	77.1	115.7
141	50.4	66.2	99.2#





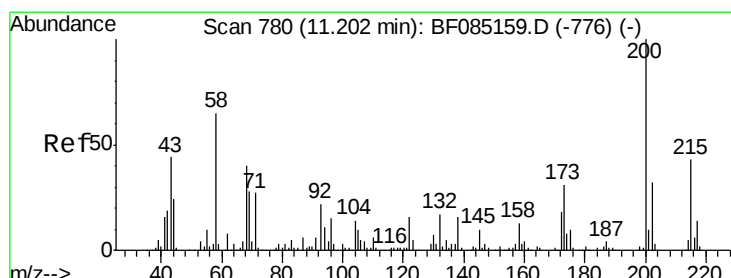
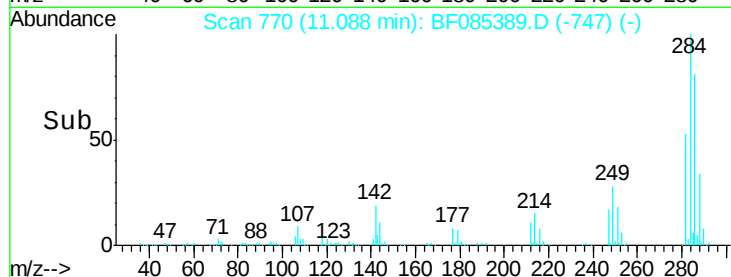
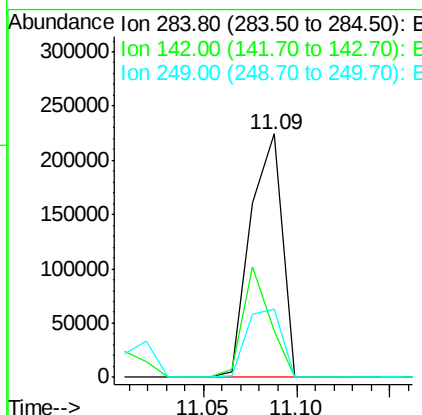
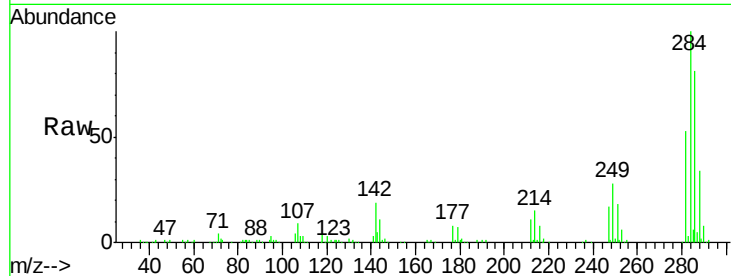
#67
Hexachlorobenzene
Concen: 56.13 ng
RT: 11.09 min Scan# 770
Delta R.T. -0.03 min
Lab File: BF085389.D
Acq: 11 Mar 2016 23:21

Instrument :
BNA_F
ClientSampleId :
POST-EX-19-20160310MSD

Tgt Ion	Ratio	Resp Lower	Resp Upper
284	100		
142	19.2	24.9	37.3#
249	27.9	25.0	37.4

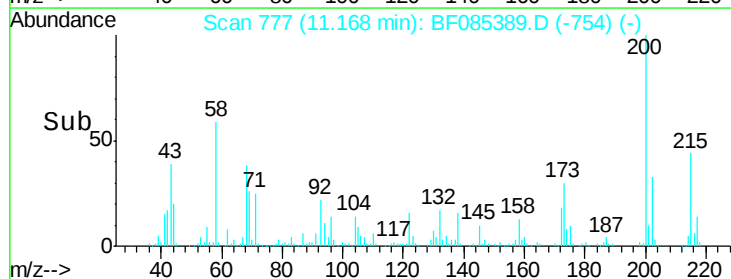
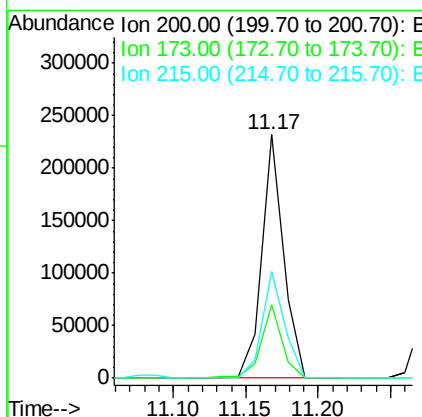
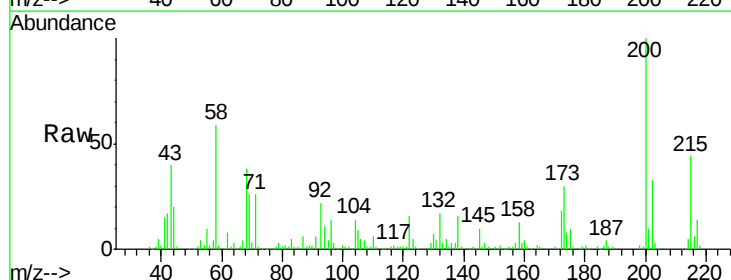
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#68
Atrazine
Concen: 60.35 ng
RT: 11.17 min Scan# 777
Delta R.T. -0.03 min
Lab File: BF085389.D
Acq: 11 Mar 2016 23:21

Tgt Ion	Ratio	Resp Lower	Resp Upper
200	100		
173	29.9	10.5	50.5
215	43.9	23.4	63.4





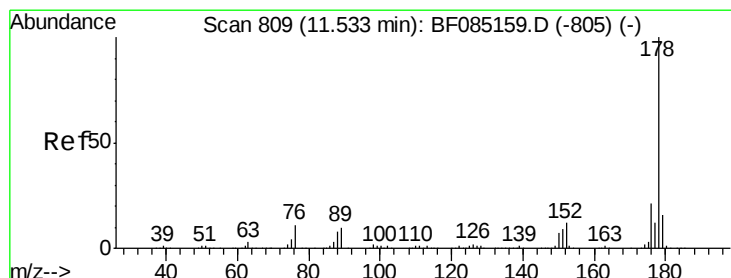
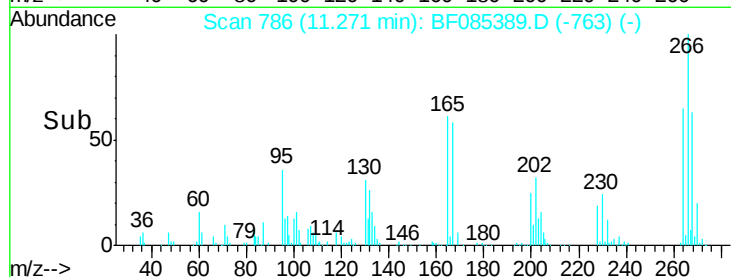
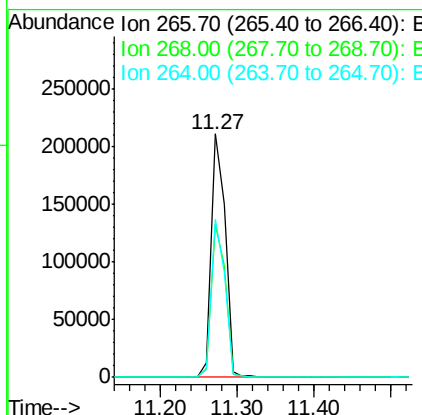
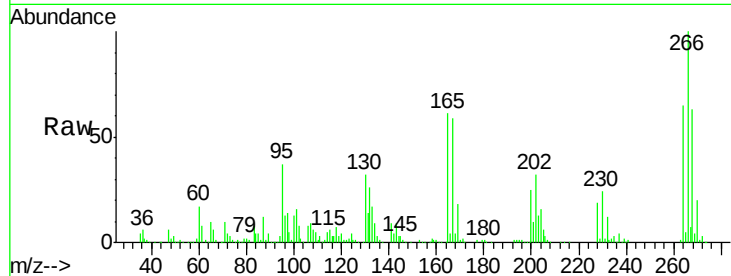
#69
 Pentachlorophenol
 Concen: 99.50 ng
 RT: 11.27 min Scan# 786
 Delta R.T. -0.03 min
 Lab File: BF085389.D
 Acq: 11 Mar 2016 23:21

Instrument :
 BNA_F
 ClientSampleId :
 POST-EX-19-20160310MSD

Tgt Ion	Ratio	Lower	Upper
266	100		
268	62.9	50.0	75.0
264	64.8	51.4	77.2

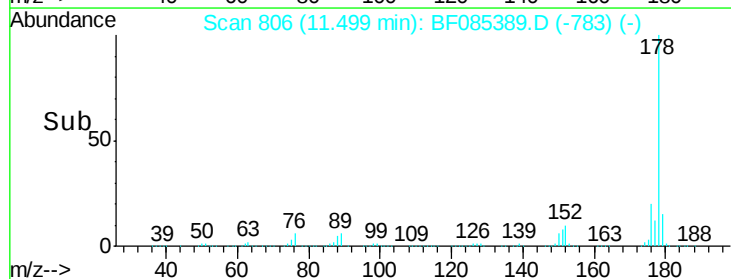
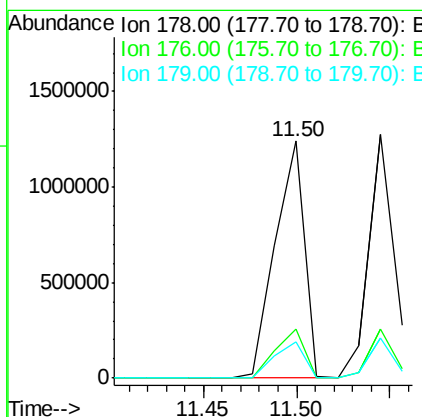
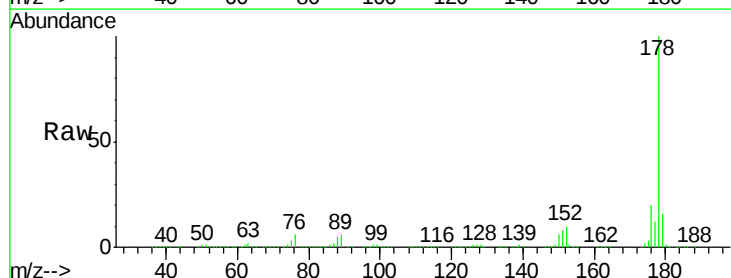
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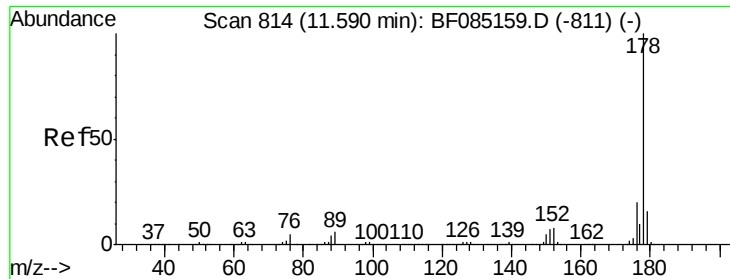
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#70
 Phenanthrene
 Concen: 55.63 ng
 RT: 11.50 min Scan# 806
 Delta R.T. -0.03 min
 Lab File: BF085389.D
 Acq: 11 Mar 2016 23:21

Tgt Ion	Ratio	Lower	Upper
178	100		
176	20.5	16.8	25.2
179	15.6	13.1	19.7





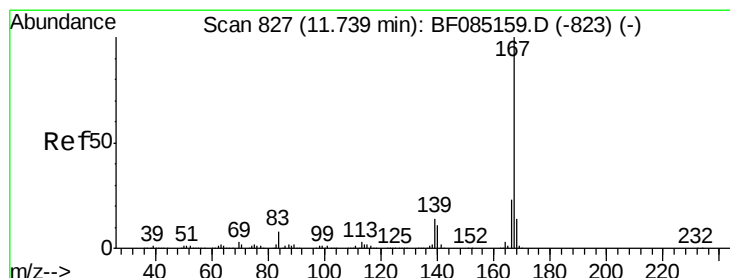
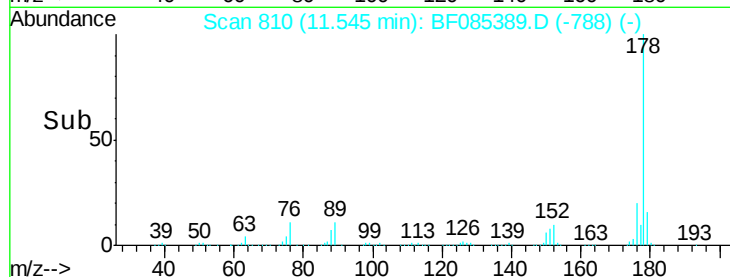
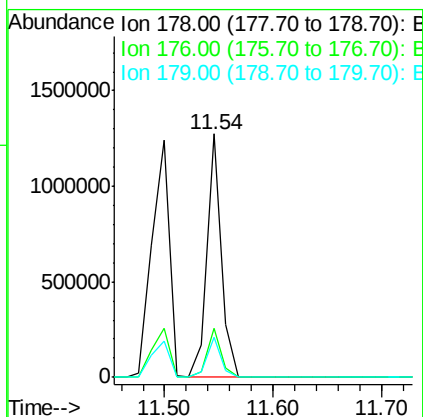
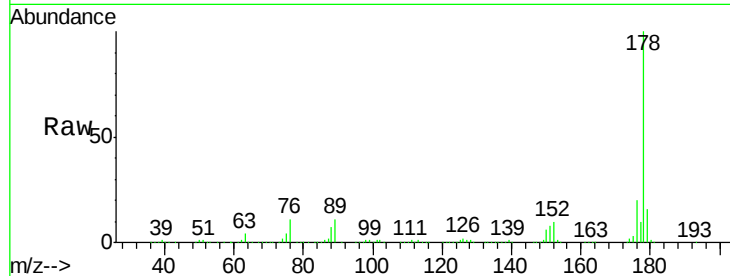
#71
 Anthracene
 Concen: 46.14 ng
 RT: 11.54 min Scan# 810
 Delta R.T. -0.05 min
 Lab File: BF085389.D
 Acq: 11 Mar 2016 23:21

Instrument :
 BNA_F
 ClientSampleId :
 POST-EX-19-20160310MSD

Tgt Ion:178 Resp: 1184613
 Ion Ratio Lower Upper
 178 100
 176 20.0 15.9 23.9
 179 16.2 12.5 18.7

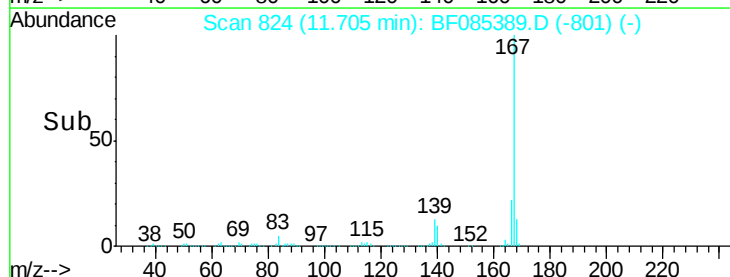
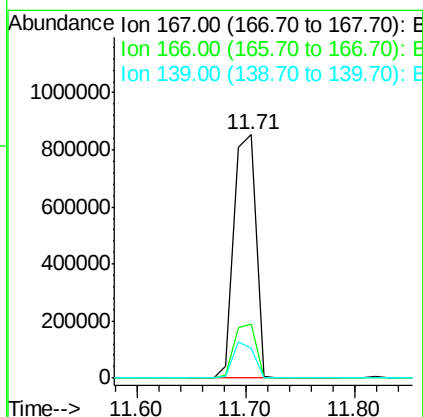
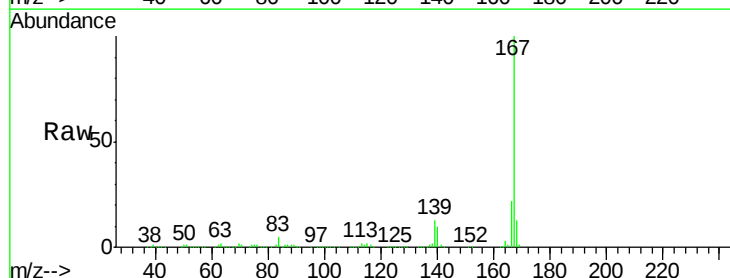
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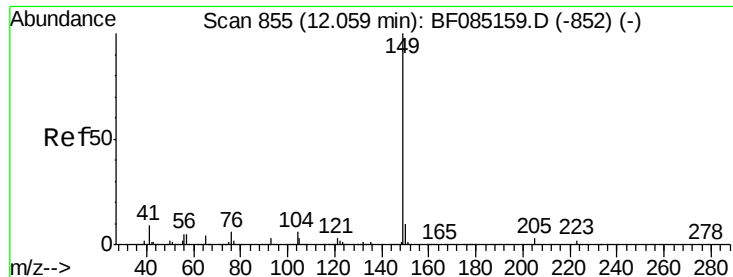
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#72
 Carbazole
 Concen: 52.24 ng
 RT: 11.71 min Scan# 824
 Delta R.T. -0.03 min
 Lab File: BF085389.D
 Acq: 11 Mar 2016 23:21

Tgt Ion:167 Resp: 1175928
 Ion Ratio Lower Upper
 167 100
 166 22.2 18.2 27.2
 139 12.5 11.4 17.0





#73

Di-n-butylphthalate

Concen: 51.94 ng

RT: 12.03 min Scan# 852

Delta R.T. -0.03 min

Lab File: BF085389.D

Acq: 11 Mar 2016 23:21

Instrument :

BNA_F

ClientSampleId :

POST-EX-19-20160310MSD

Tgt Ion:149 Resp: 1477968

Ion Ratio Lower Upper

149 100

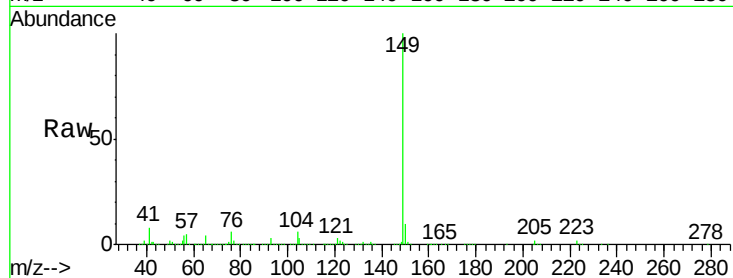
150 10.0 7.8 11.6

104 5.6 4.7 7.1

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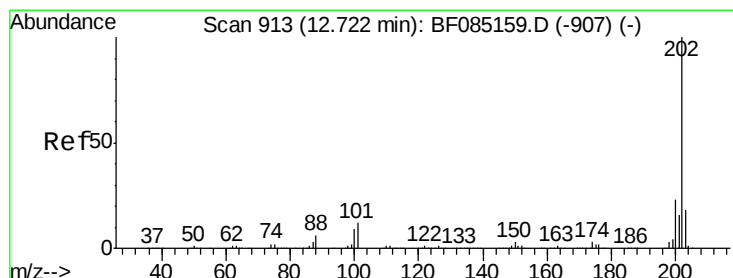
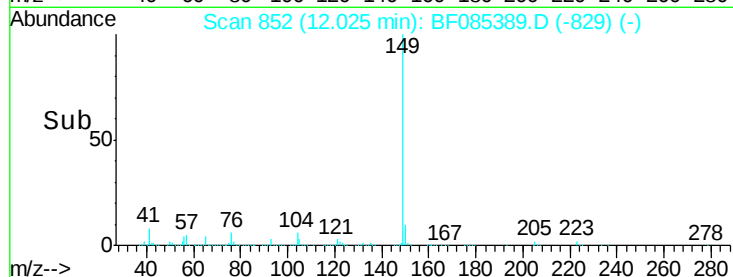
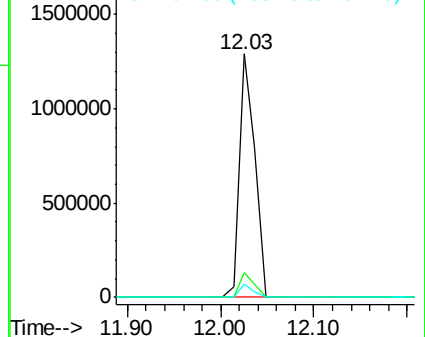
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Abundance Ion 149.00 (148.70 to 149.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 104.00 (103.70 to 104.70): E



#74

Fluoranthene

Concen: 46.54 ng

RT: 12.69 min Scan# 910

Delta R.T. -0.03 min

Lab File: BF085389.D

Acq: 11 Mar 2016 23:21

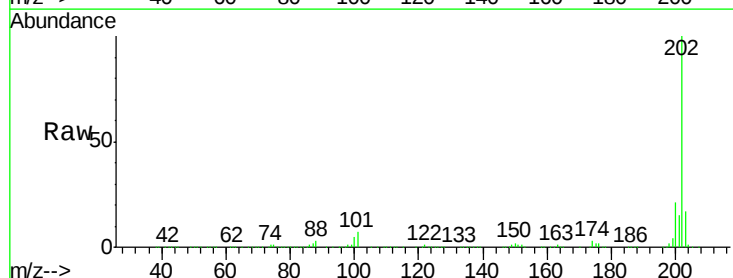
Tgt Ion:202 Resp: 1129457

Ion Ratio Lower Upper

202 100

101 6.6 0.0 31.8

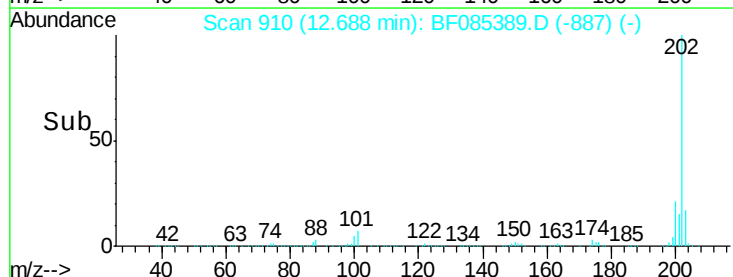
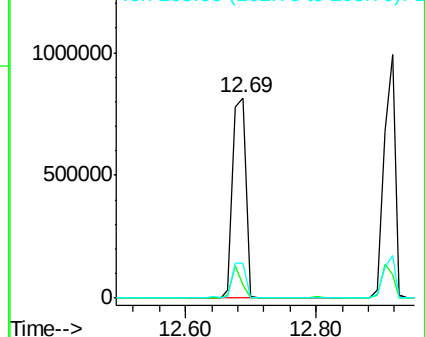
203 17.5 0.0 38.4

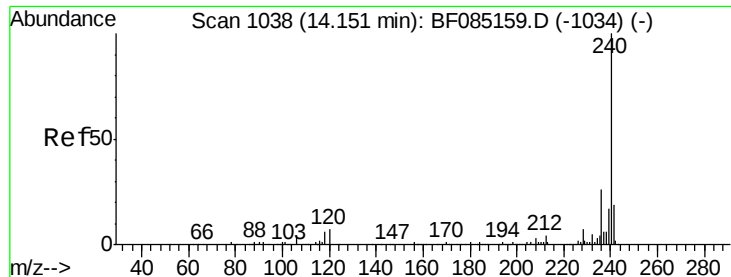


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E





#75

Chrysene-d12

Concen: 20.00 ng

RT: 14.12 min Scan# 1035

Delta R.T. -0.03 min

Lab File: BF085389.D

Acq: 11 Mar 2016 23:21

Instrument :

BNA_F

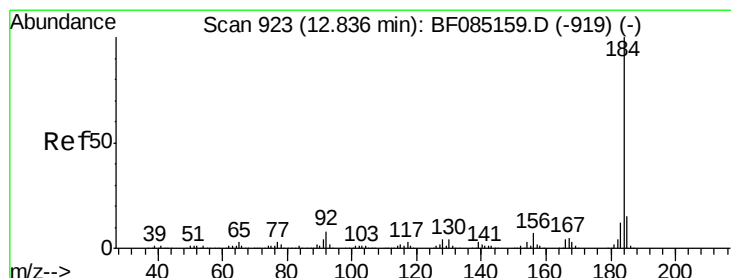
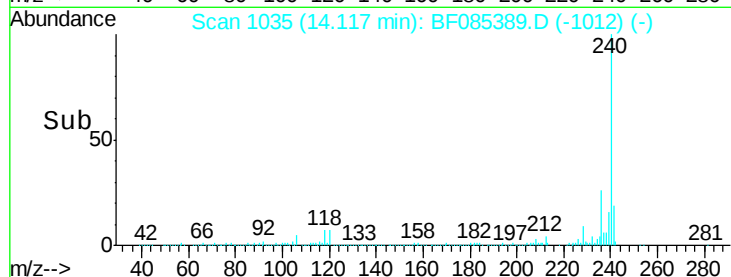
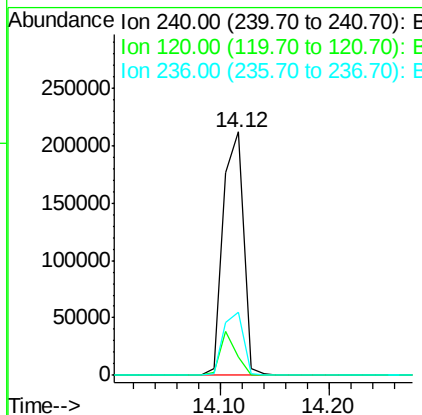
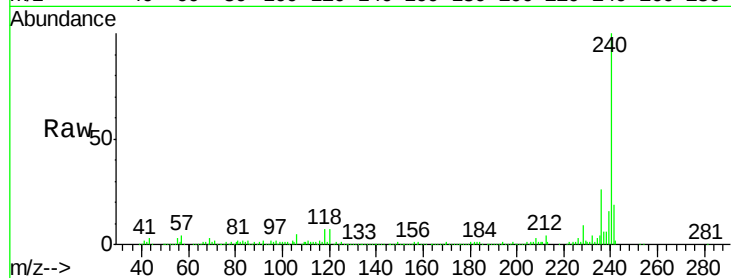
ClientSampleId :

POST-EX-19-20160310MSD

Tgt Ion:	240	Resp:	277289
Ion Ratio	Lower	Upper	
240	100		
120	7.5	5.3	7.9
236	25.9	20.7	31.1

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#76

Benzidine

Concen: 97.37 ng

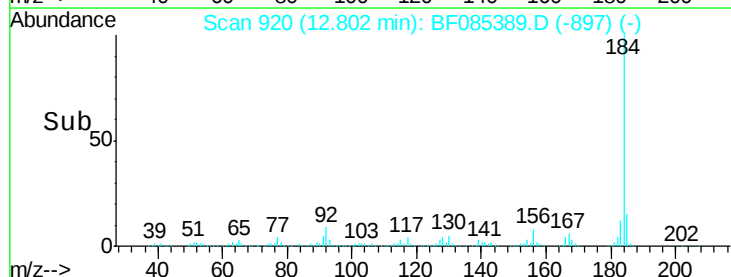
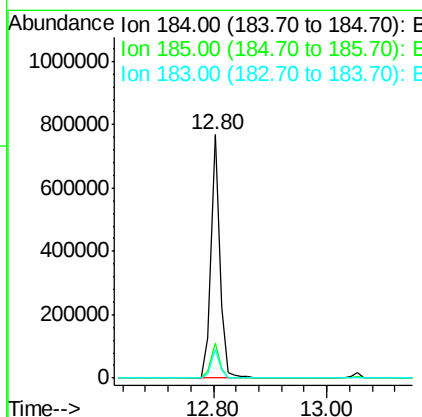
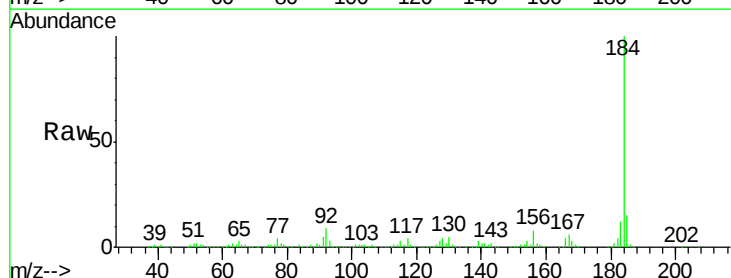
RT: 12.80 min Scan# 920

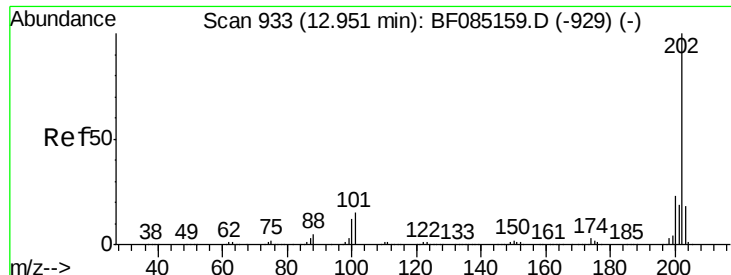
Delta R.T. -0.03 min

Lab File: BF085389.D

Acq: 11 Mar 2016 23:21

Tgt Ion:	184	Resp:	803529
Ion Ratio	Lower	Upper	
184	100		
185	14.6	12.4	18.6
183	12.0	9.4	14.2





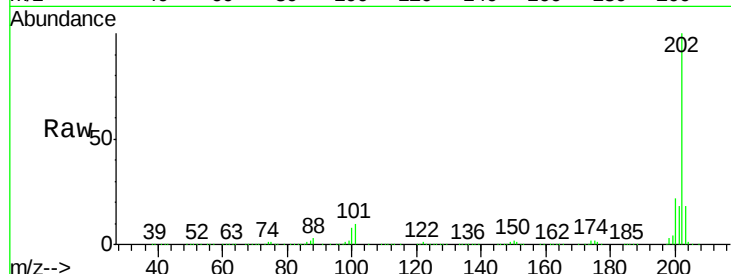
#77
 Pyrene
 Concen: 56.47 ng
 RT: 12.92 min Scan# 930
 Delta R.T. -0.03 min
 Lab File: BF085389.D
 Acq: 11 Mar 2016 23:21

Instrument :
 BNA_F
 ClientSampleId :
 POST-EX-19-20160310MSD

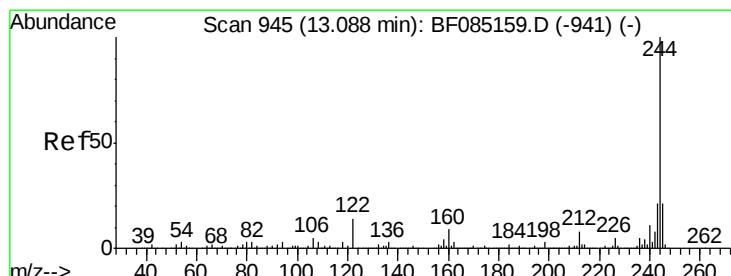
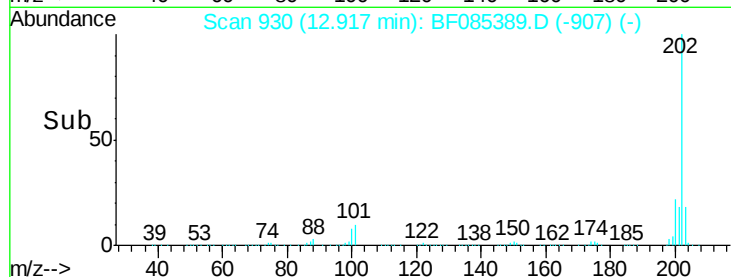
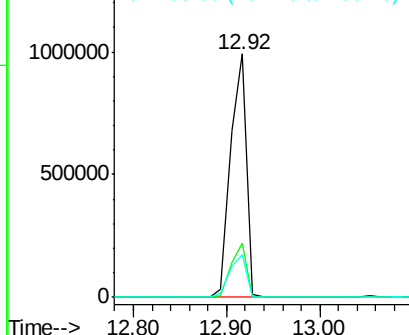
Tgt Ion	Ratio	Lower	Upper
202	100		
200	22.2	18.2	27.4
203	17.7	14.7	22.1

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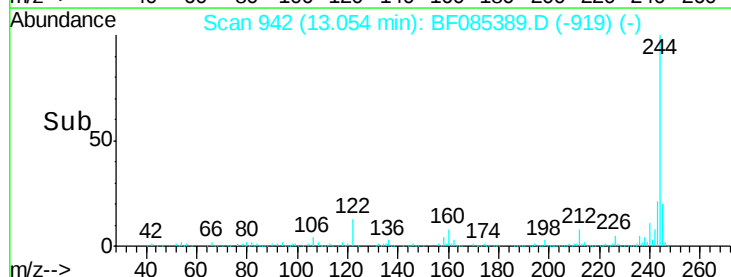
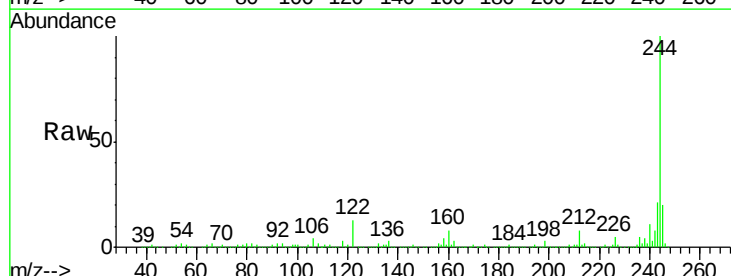
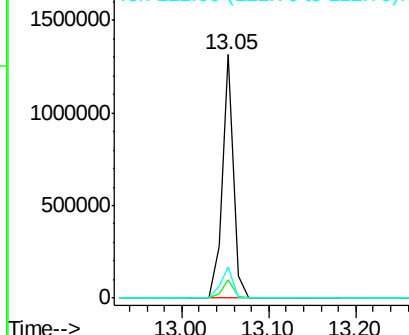
Abundance Ion 202.00 (201.70 to 202.70): E
 Ion 200.00 (199.70 to 200.70): E
 Ion 203.00 (202.70 to 203.70): E

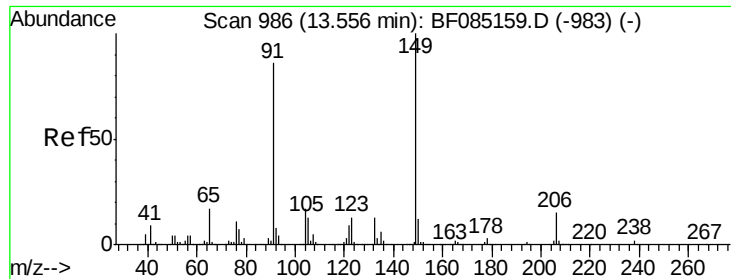


#78
 Terphenyl-d14
 Concen: 99.34 ng
 RT: 13.05 min Scan# 942
 Delta R.T. -0.03 min
 Lab File: BF085389.D
 Acq: 11 Mar 2016 23:21

Tgt Ion	Ratio	Lower	Upper
244	100		
212	7.6	6.4	9.6
122	12.7	11.4	17.2

Abundance Ion 244.00 (243.70 to 244.70): E
 Ion 212.00 (211.70 to 212.70): E
 Ion 122.00 (121.70 to 122.70): E





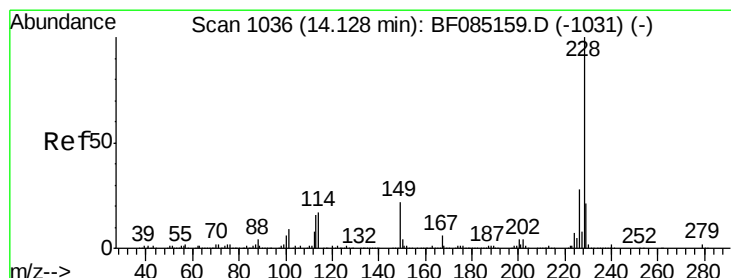
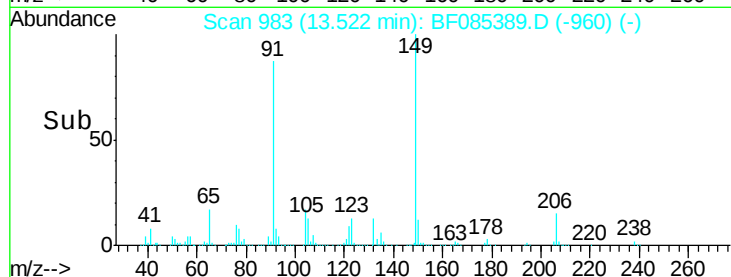
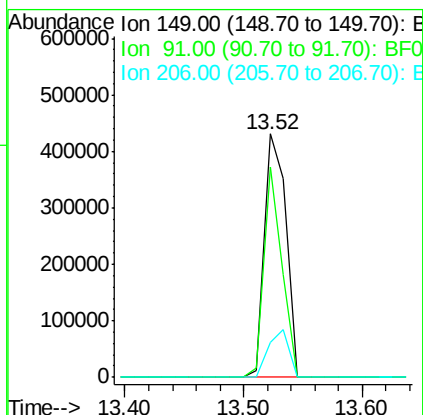
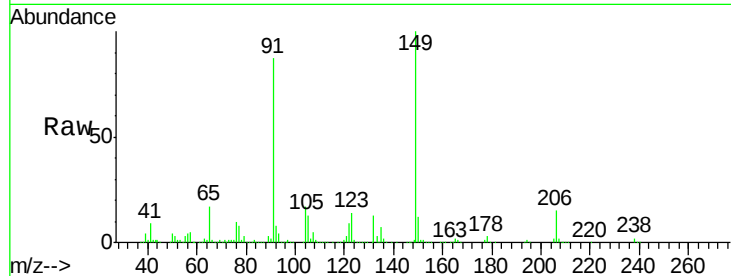
#79
Butylbenzylphthalate
Concen: 57.65 ng
RT: 13.52 min Scan# 983
Delta R.T. -0.03 min
Lab File: BF085389.D
Acq: 11 Mar 2016 23:21

Instrument :
BNA_F
ClientSampleId :
POST-EX-19-20160310MSD

Tgt Ion	Ratio	Resp Lower	Resp Upper
149	100		
91	86.6	69.0	103.4
206	14.6	12.3	18.5

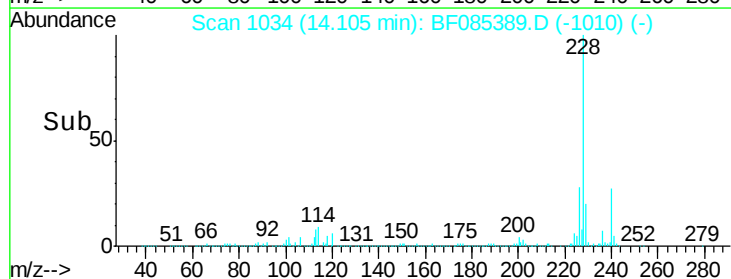
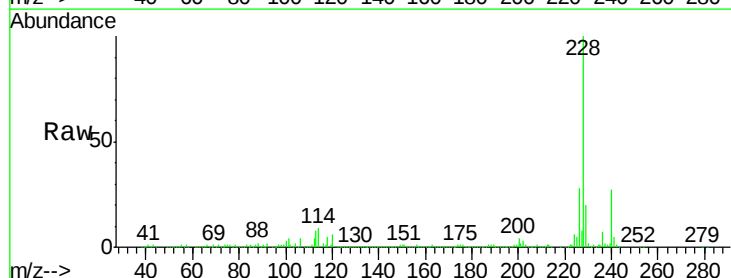
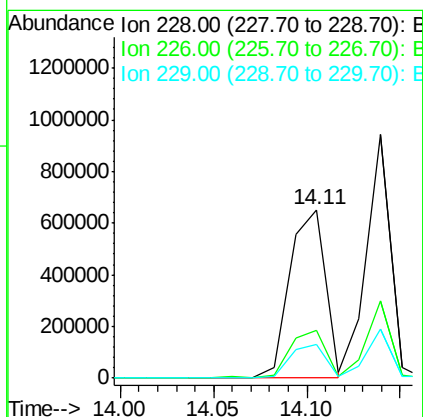
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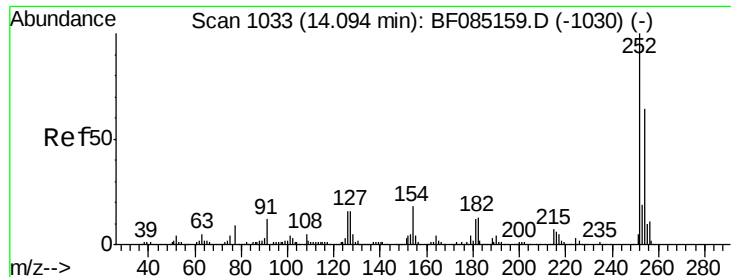
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#80
Benzo(a)anthracene
Concen: 52.57 ng
RT: 14.11 min Scan# 1034
Delta R.T. -0.02 min
Lab File: BF085389.D
Acq: 11 Mar 2016 23:21

Tgt Ion	Ratio	Resp Lower	Resp Upper
228	100		
226	28.0	22.8	34.2
229	19.8	16.6	24.8





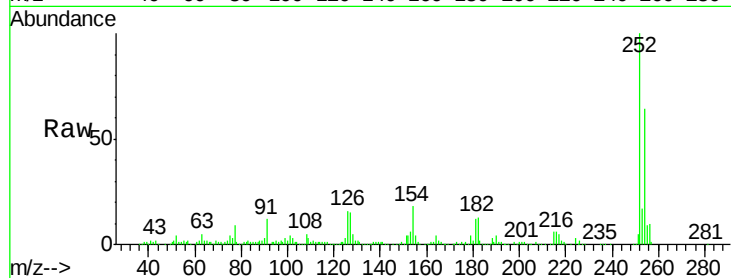
#81
 3,3'-Dichlorobenzidine
 Concen: 50.02 ng
 RT: 14.06 min Scan# 1030
 Delta R.T. -0.03 min
 Lab File: BF085389.D
 Acq: 11 Mar 2016 23:21

Instrument :
 BNA_F
 ClientSampleId :
 POST-EX-19-20160310MSD

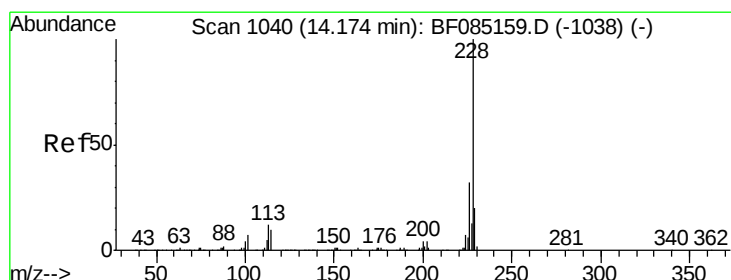
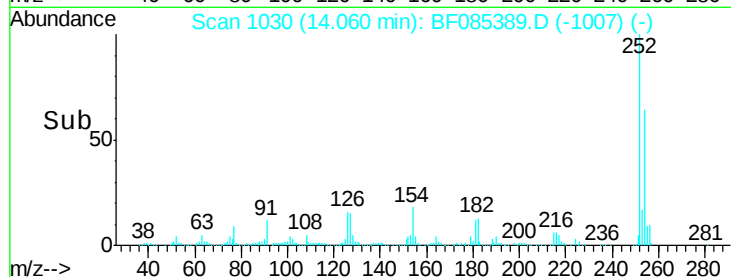
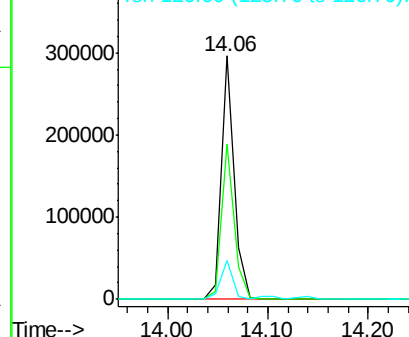
Tgt Ion	Ratio	Resp Lower	Resp Upper
252	100		
254	63.7	51.4	77.0
126	16.2	12.9	19.3

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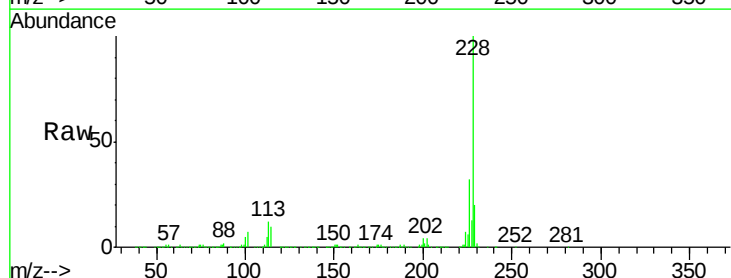


Abundance Ion 252.00 (251.70 to 252.70): E
 Ion 254.00 (253.70 to 254.70): E
 Ion 126.00 (125.70 to 126.70): E

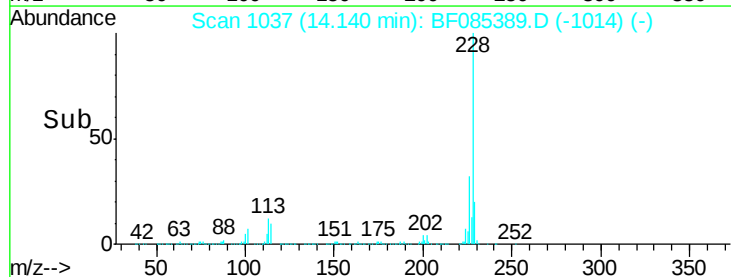
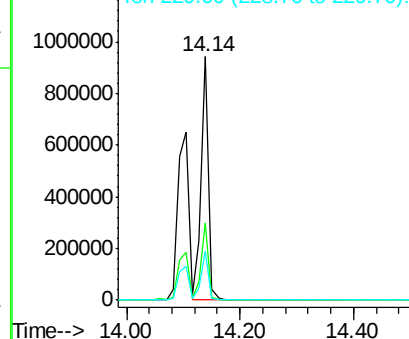


#82
 Chrysene
 Concen: 55.20 ng
 RT: 14.14 min Scan# 1037
 Delta R.T. -0.03 min
 Lab File: BF085389.D
 Acq: 11 Mar 2016 23:21

Tgt Ion	Ratio	Resp Lower	Resp Upper
228	100		
226	31.7	25.2	37.8
229	20.2	16.0	24.0



Abundance Ion 228.00 (227.70 to 228.70): E
 Ion 226.00 (225.70 to 226.70): E
 Ion 229.00 (228.70 to 229.70): E





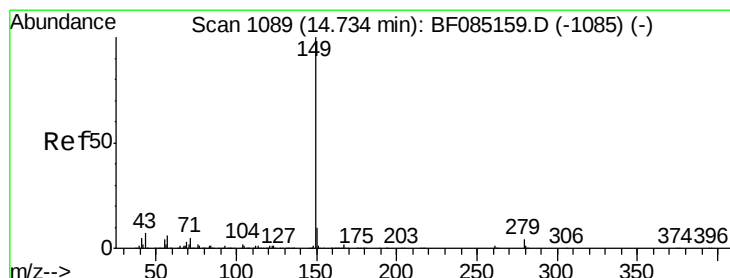
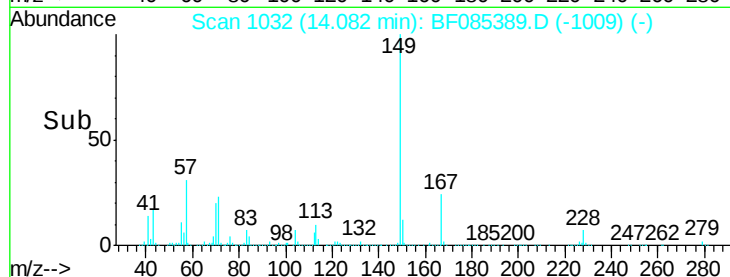
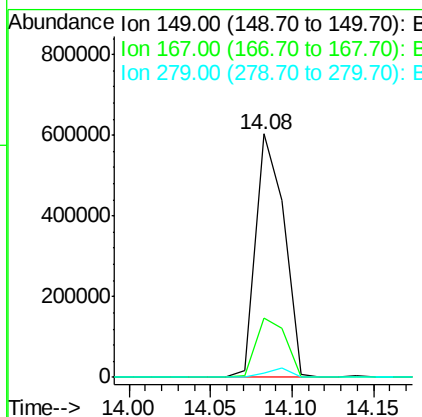
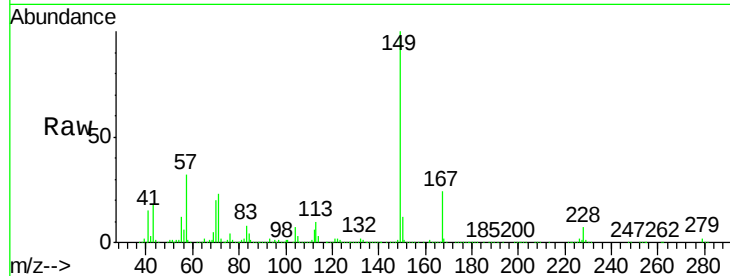
#83
 Bis(2-ethylhexyl)phthalate
 Concen: 58.67 ng
 RT: 14.08 min Scan# 1032
 Delta R.T. -0.03 min
 Lab File: BF085389.D
 Acq: 11 Mar 2016 23:21

Instrument :
 BNA_F
 ClientSampleId :
 POST-EX-19-20160310MSD

Tgt Ion	Ratio	Lower	Upper
149	100		
167	24.3	20.3	30.5
279	1.8	1.9	2.9

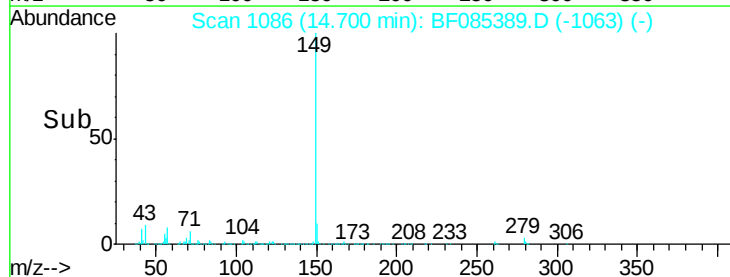
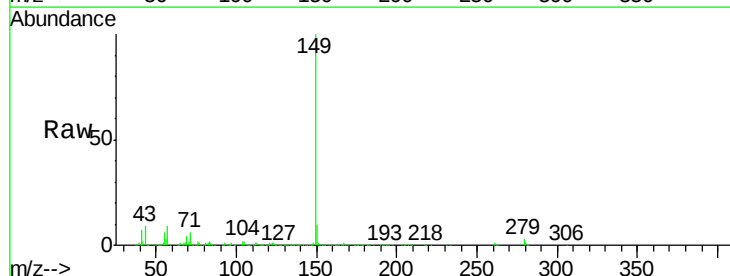
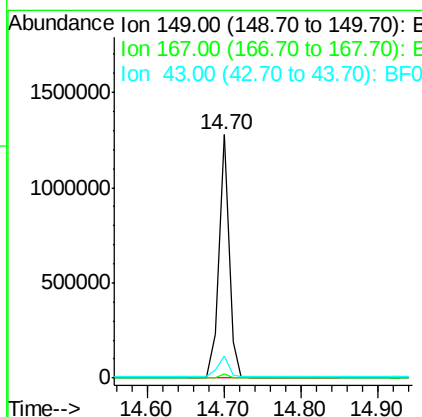
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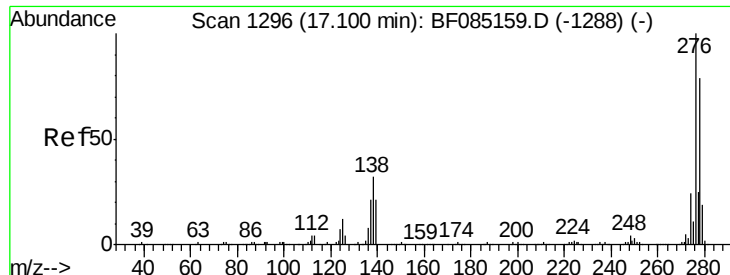
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#84
 Di-n-octyl phthalate
 Concen: 62.10 ng
 RT: 14.70 min Scan# 1086
 Delta R.T. -0.03 min
 Lab File: BF085389.D
 Acq: 11 Mar 2016 23:21

Tgt Ion	Ratio	Lower	Upper
149	100		
167	1.5	1.1	1.7
43	9.5	7.8	11.8





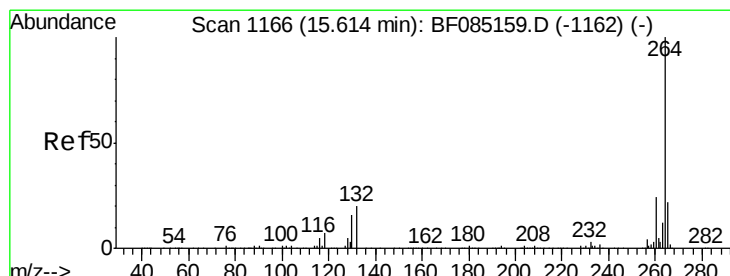
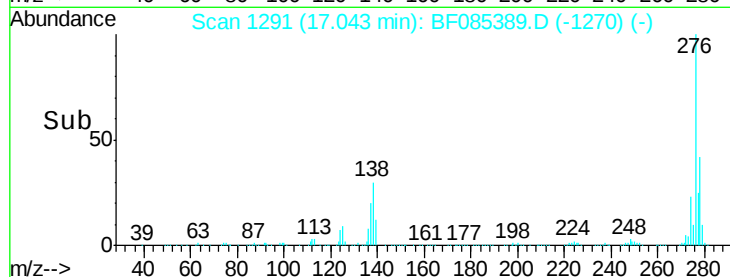
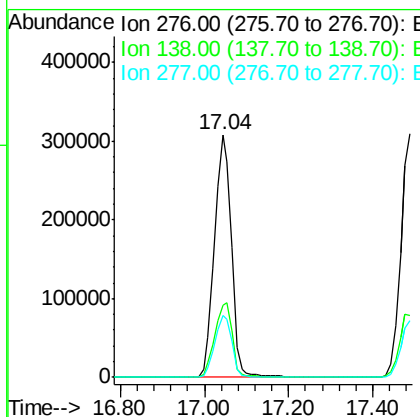
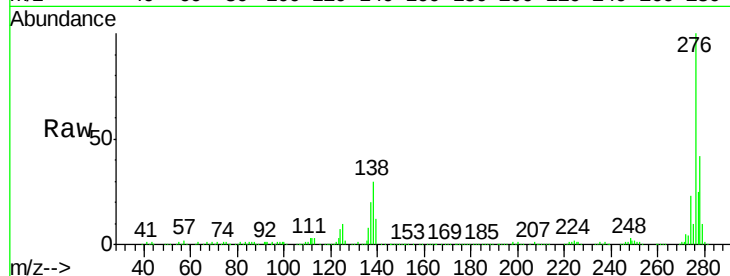
#85
 Indeno(1,2,3-cd)pyrene
 Concen: 72.88 ng
 RT: 17.04 min Scan# 1291
 Delta R.T. -0.06 min
 Lab File: BF085389.D
 Acq: 11 Mar 2016 23:21

Instrument :
 BNA_F
 ClientSampleId :
 POST-EX-19-20160310MSD

Tgt Ion	Ratio	Resp	Lower	Upper
276	100	872135		
138	31.9	26.4	39.6	
277	25.7	20.2	30.2	

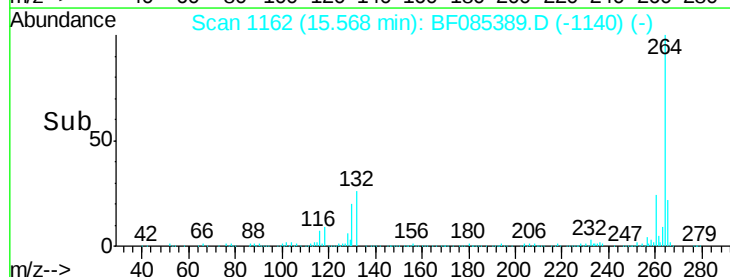
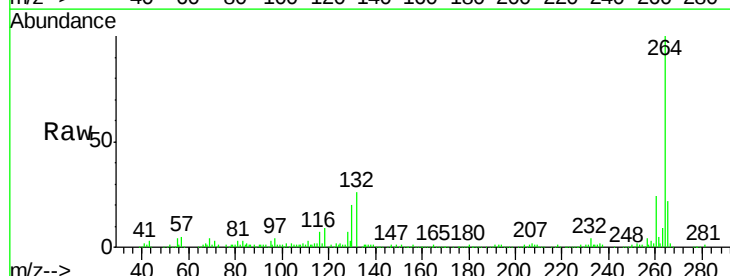
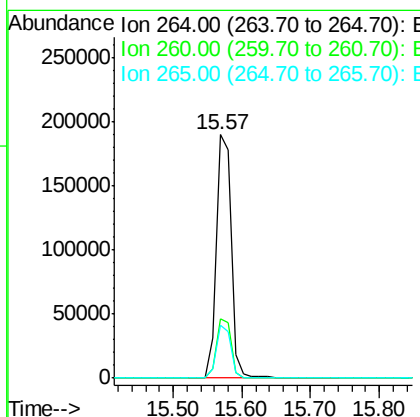
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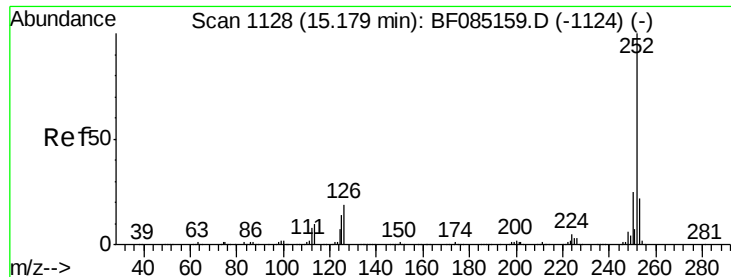
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#86
 Perylene-d12
 Concen: 20.00 ng
 RT: 15.57 min Scan# 1162
 Delta R.T. -0.05 min
 Lab File: BF085389.D
 Acq: 11 Mar 2016 23:21

Tgt Ion	Ratio	Resp	Lower	Upper
264	100	293290		
260	24.4	19.2	28.8	
265	21.7	17.3	25.9	





#87

Benzo(b)fluoranthene

Concen: 52.15 ng

RT: 15.15 min Scan# 1125

Delta R.T. -0.03 min

Lab File: BF085389.D

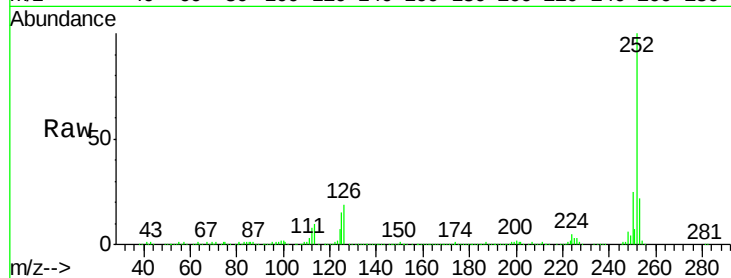
Acq: 11 Mar 2016 23:21

Instrument :

BNA_F

ClientSampleId :

POST-EX-19-20160310MSD



Tgt Ion:252 Resp: 1019458

Ion Ratio Lower Upper

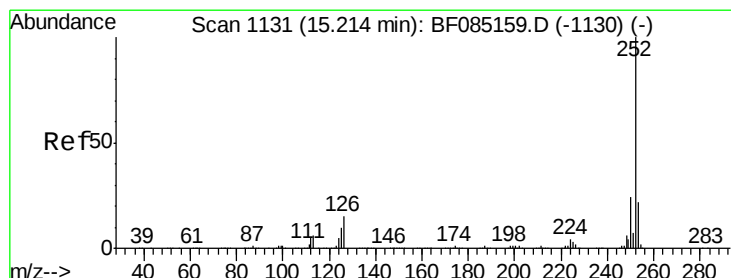
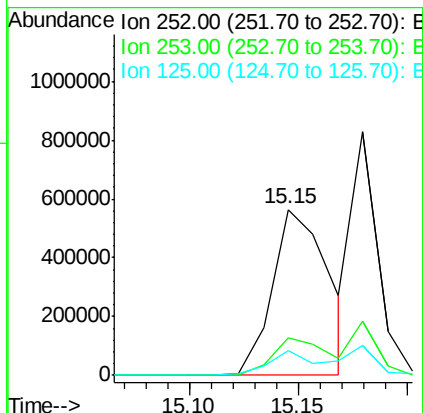
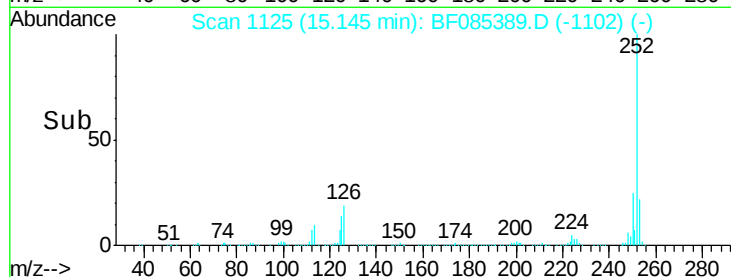
252 100

253 22.5 17.8 26.6

125 14.8 11.3 16.9

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#88

Benzo(k)fluoranthene

Concen: 43.99 ng m

RT: 15.18 min Scan# 1128

Delta R.T. -0.03 min

Lab File: BF085389.D

Acq: 11 Mar 2016 23:21

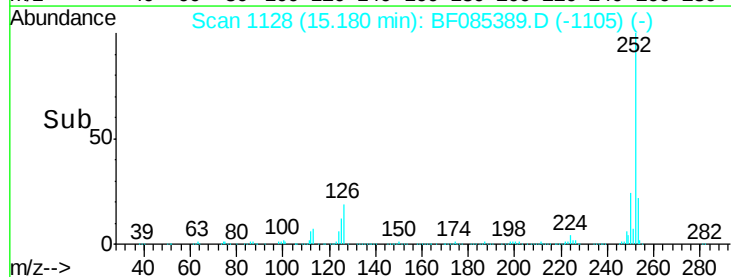
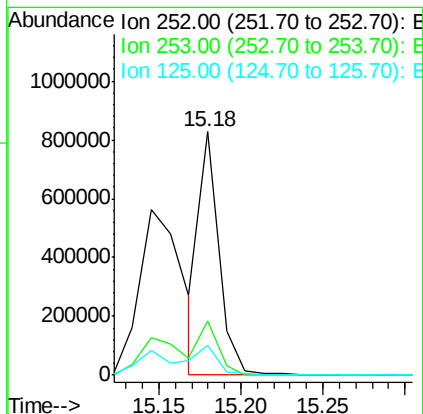
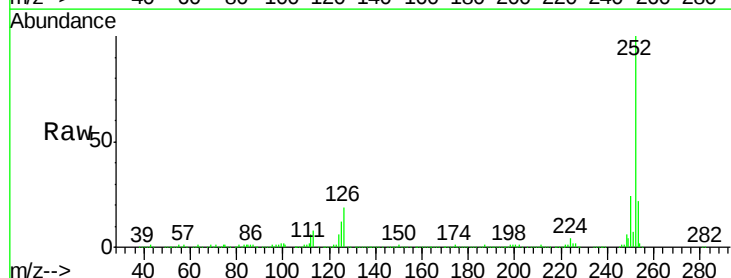
Tgt Ion:252 Resp: 693657

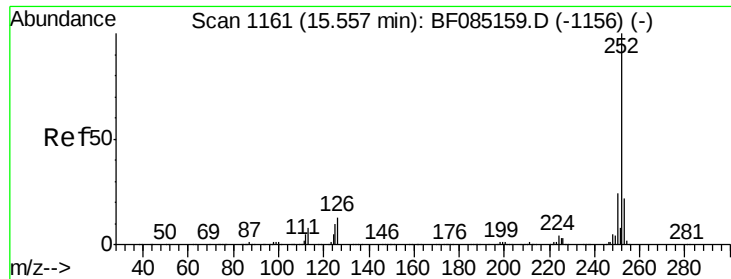
Ion Ratio Lower Upper

252 100

253 22.1 17.8 26.6

125 12.4 10.4 15.6





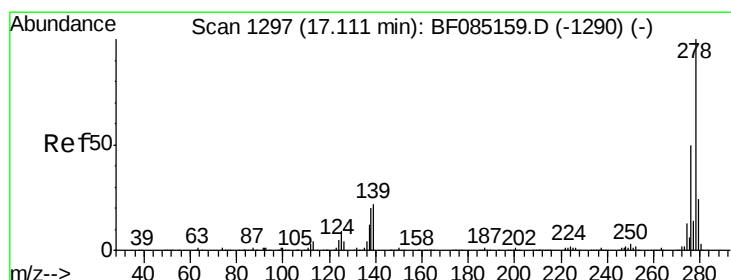
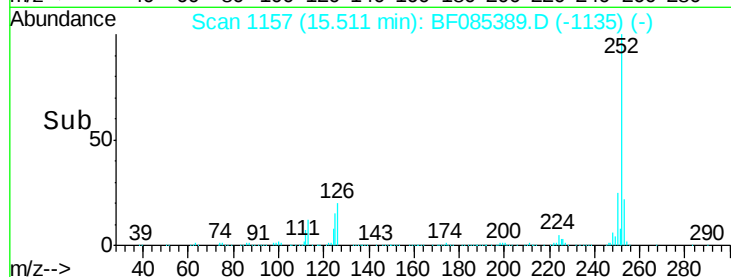
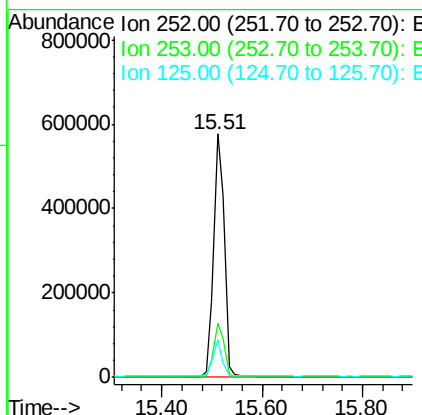
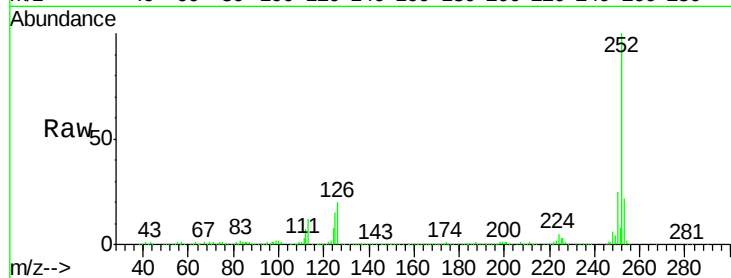
#89
Benzo(a)pyrene
Concen: 52.93 ng
RT: 15.51 min Scan# 1157
Delta R.T. -0.05 min
Lab File: BF085389.D
Acq: 11 Mar 2016 23:21

Instrument :
BNA_F
ClientSampleId :
POST-EX-19-20160310MSD

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.1	17.4	26.0
125	15.4	8.2	12.4

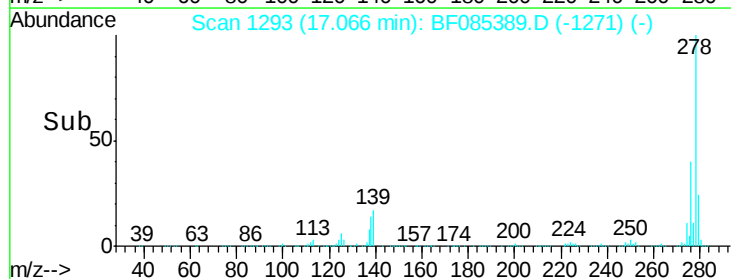
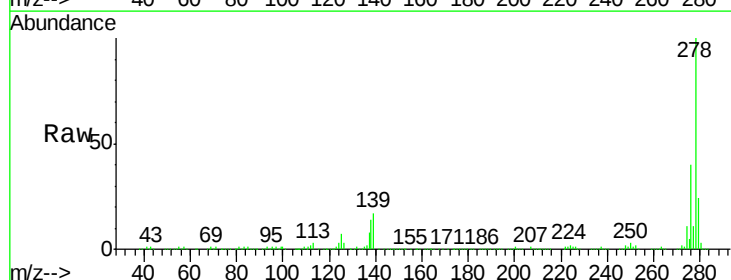
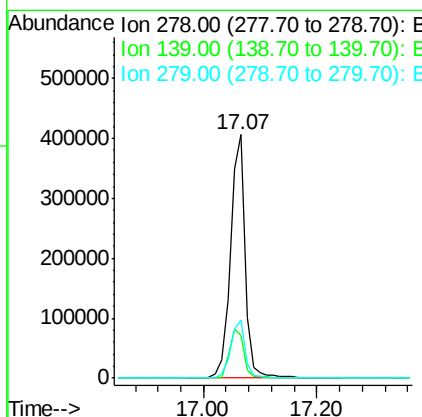
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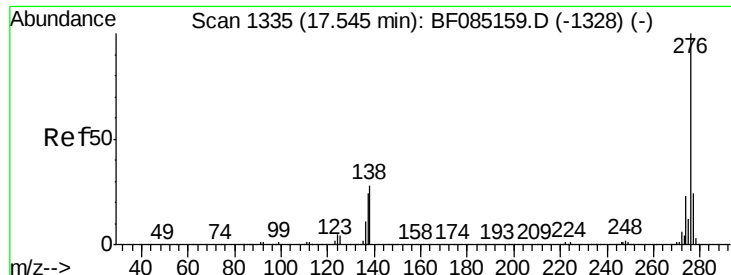
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#90
Dibenzo(a,h)anthracene
Concen: 53.56 ng
RT: 17.07 min Scan# 1293
Delta R.T. -0.05 min
Lab File: BF085389.D
Acq: 11 Mar 2016 23:21

Tgt Ion	Ratio	Lower	Upper
278	100		
139	17.4	17.3	25.9
279	24.0	19.2	28.8





#91
 Benzo(g,h,i)perylene
 Concen: 49.31 ng
 RT: 17.49 min Scan# 1330
 Delta R.T. -0.06 min
 Lab File: BF085389.D
 Acq: 11 Mar 2016 23:21

Instrument :
 BNA_F
 ClientSampleId :
 POST-EX-19-20160310MSD

Tgt	Ion	276	Resp:	685600
	Ratio	Lower	Upper	
276	100			
277	23.3	19.0	28.4	
138	25.3	22.5	33.7	

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