

Data Path : \\74.0.250.170\SV0ASRV\HPCHEM1\BNA F\DATA\BF030518\
 Data File : BF103438.D
 Acq On : 6 Mar 2018 4:24
 Operator : SJ/JU
 Sample : J1723-19
 Misc :
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SP-45

Manual Integrations
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Sohil
 3/6/2018 4:24:14 PM

Quant Time: Mar 06 06:26:40 2018
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF022218.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Mar 05 13:40:47 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.87	152	117986	20.00	ng	0.00
21) Naphthalene-d8	8.16	136	486413	20.00	ng	0.00
38) Acenaphthene-d10	9.92	164	204254	20.00	ng	0.00
63) Phenanthrene-d10	11.41	188	306426	20.00	ng	0.00
75) Chrysene-d12	14.07	240	173045	20.00	ng	0.00
86) Perylene-d12	15.59	264	134442	20.00	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.50	112	779706	99.95	ng	0.00
7) Phenol-d6	6.52	99	953887	99.93	ng	0.00
23) Nitrobenzene-d5	7.44	82	565999	66.45	ng	0.00
41) 2,4,6-Tribromophenol	10.71	330	112375	65.00	ng	0.00
44) 2-Fluorobiphenyl	9.23	172	779990	61.50	ng	0.00
78) Terphenyl-d14	12.99	244	494631	68.71	ng	0.00
Target Compounds						Qvalue
51) Acenaphthene	9.95	154	27917	2.298	ng	97
57) Fluorene	10.47	166	28879	2.033	ng	98
70) Phenanthrene	11.43	178	267617	15.870	ng	99
71) Anthracene	11.49	178	94329	5.455	ng	99
72) Carbazole	11.65	167	35651	2.070	ng	99
74) Fluoranthene	12.63	202	367060	21.661	ng	99
77) Pyrene	12.86	202	348649	25.842	ng	99
80) Benzo(a)anthracene	14.06	228	154371	13.749	ng	96
82) Chrysene	14.09	228	130420	11.963	ng	97
85) Indeno(1,2,3-cd)pyrene	17.13	276	48029	5.565	ng	97
87) Benzo(b)fluoranthene	15.14	252	135320m	15.309	ng	
88) Benzo(k)fluoranthene	15.16	252	45681m	5.488	ng	
89) Benzo(a)pyrene	15.52	252	91407	11.580	ng	# 89
90) Dibenzo(a,h)anthracene	17.13	278	13012	2.133	ng	# 64
91) Benzo(a,h,i)perylene	17.61	276	46950	7.876	ng	# 89

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

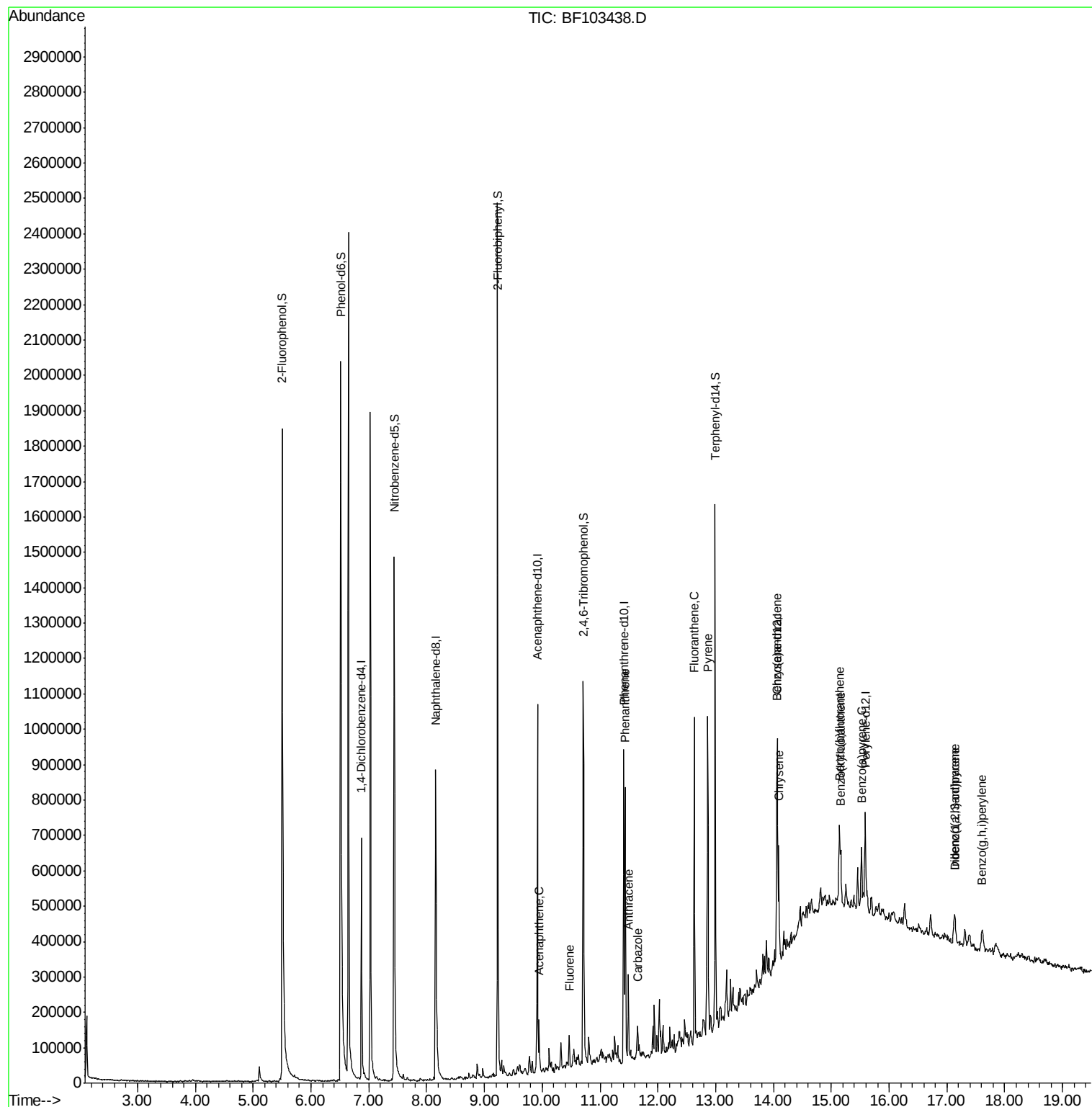
Data Path : \\74.0.250.170\SVOASRV\HPCHEM1\BNA F\DATA\BF030518\
Data File : BF103438.D
Acq On : 6 Mar 2018 4:24
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Quant Time: Mar 06 06:26:40 2018
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF022218.M
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#1

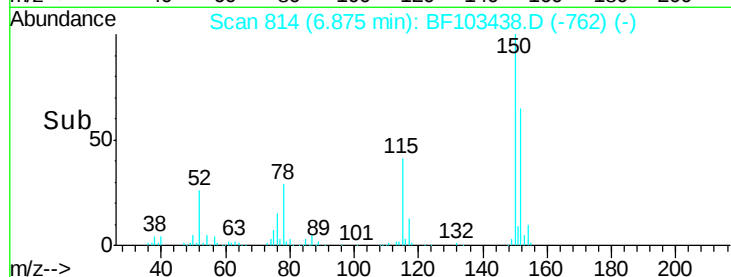
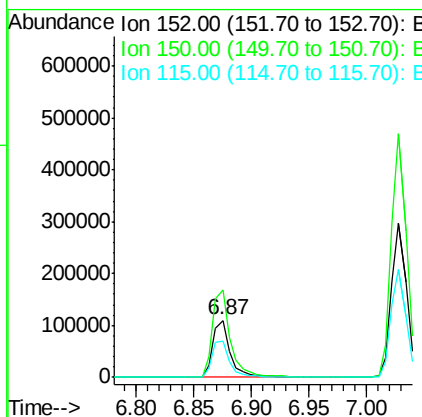
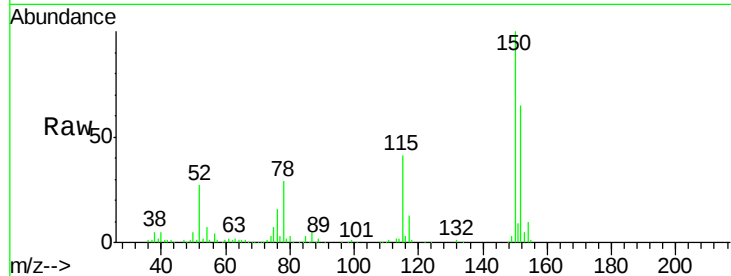
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.87 min Scan# 814
Delta R.T. 0.01 min
Lab File: BF103438.D
Acq: 6 Mar 2018 4:24

Instrument :
BNA_F
ClientSampleId :
SP-45

Tot Ion	Ratio	Lower	Upper
152	100		
150	153.3	124.6	186.8
115	63.5	50.1	75.1

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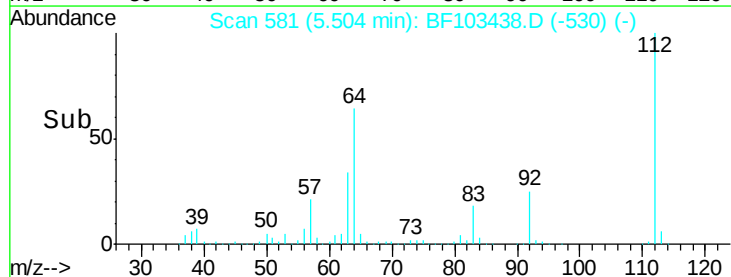
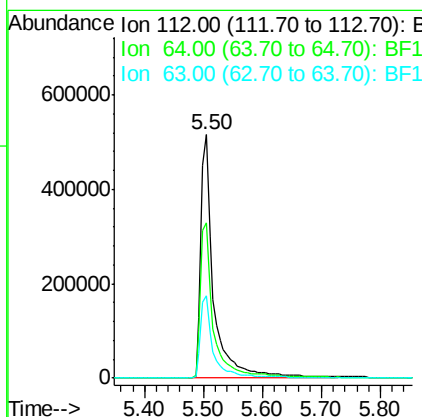
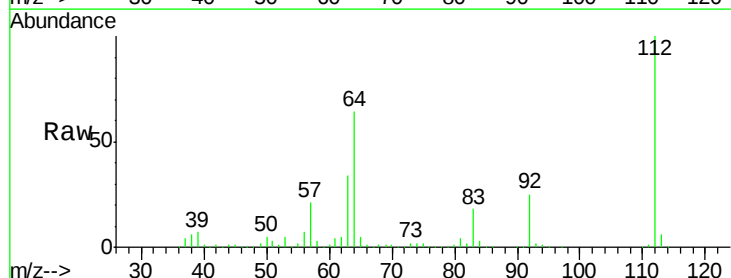
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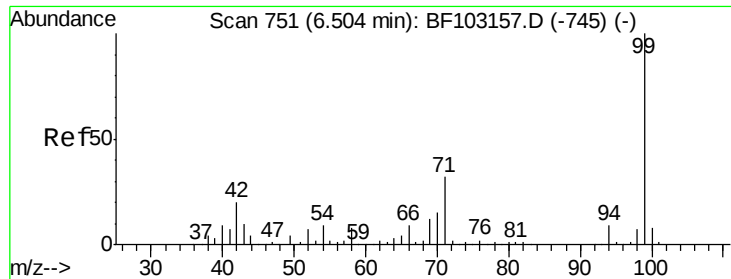


#5

2-Fluorophenol
Concen: 99.948 ng
RT: 5.50 min Scan# 581
Delta R.T. 0.00 min
Lab File: BF103438.D
Acq: 6 Mar 2018 4:24

Tgt Ion	Ratio	Lower	Upper
112	100		
64	63.8	47.9	71.9
63	33.7	23.7	35.5





#7

Phenol-d6

Concen: 99.927 ng

RT: 6.52 min Scan# 753

Delta R.T. -0.01 min

Lab File: BF103438.D

Acq: 6 Mar 2018 4:24

Instrument :

BNA_F

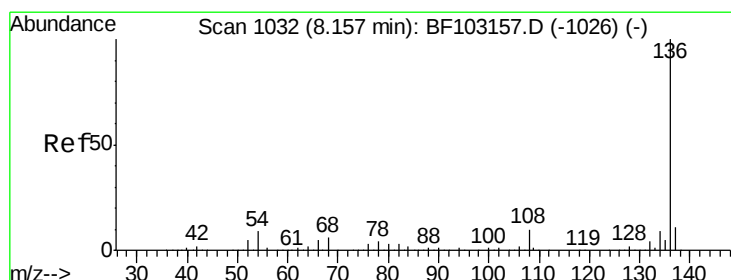
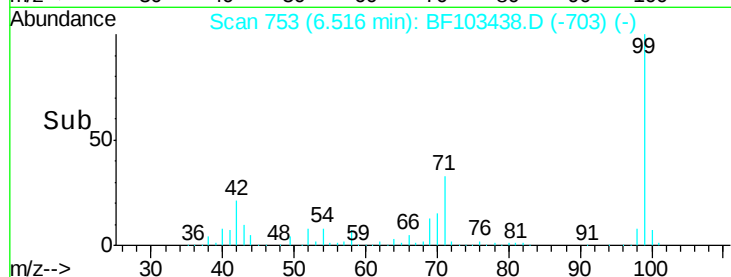
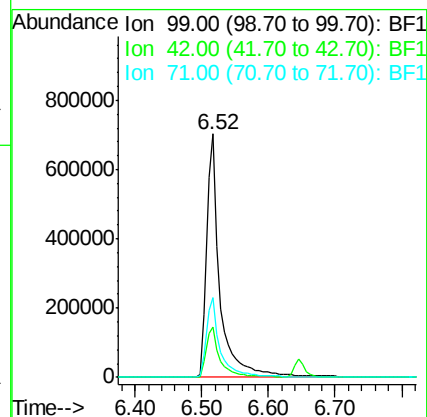
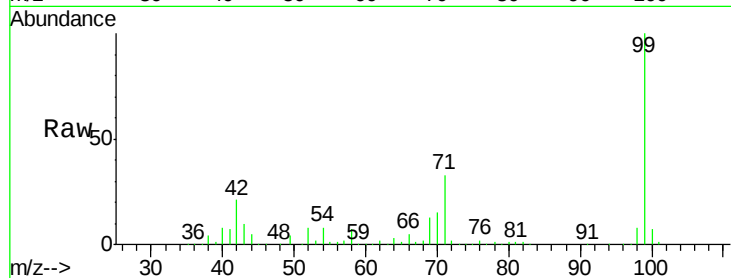
ClientSampled :

SP-45

Tot Ion:	99	Resp:	953887
Ion Ratio	Lower	Upper	
99	100		
42	20.8	14.5	21.7
71	32.8	25.4	38.0

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#21

Naphthalene-d8

Concen: 20.000 ng

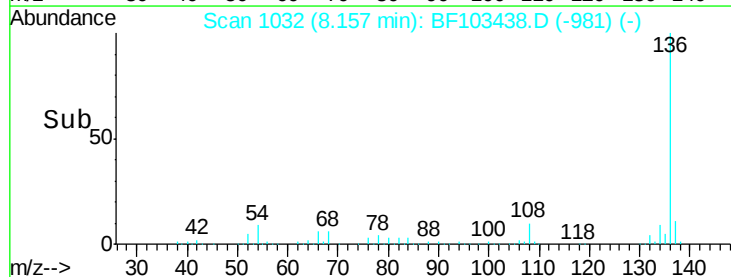
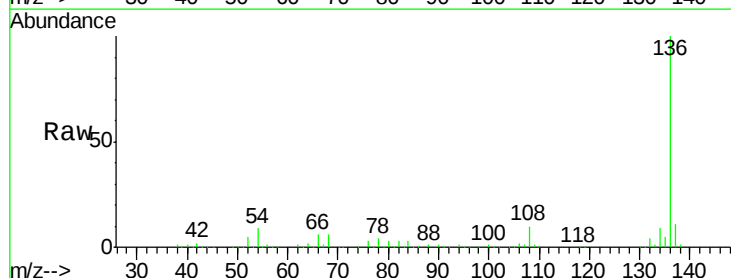
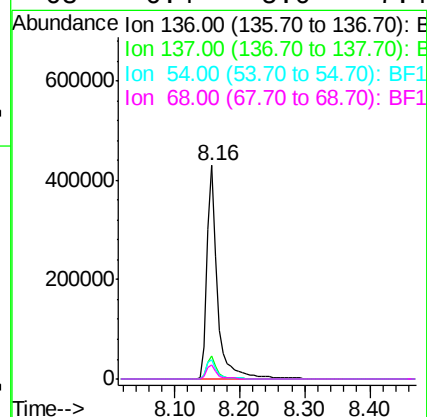
RT: 8.16 min Scan# 1032

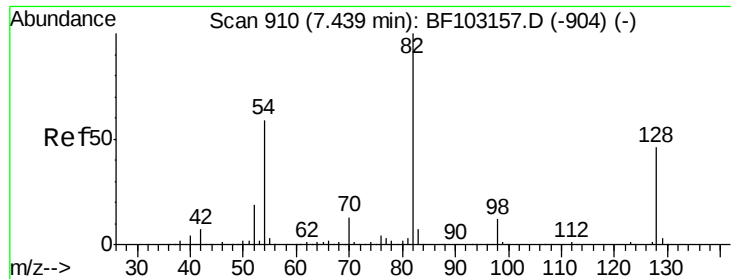
Delta R.T. 0.00 min

Lab File: BF103438.D

Acq: 6 Mar 2018 4:24

Tgt Ion:	136	Resp:	486413
Ion Ratio	Lower	Upper	
136	100		
137	10.6	8.9	13.3
54	9.3	6.6	9.8
68	6.4	5.0	7.4





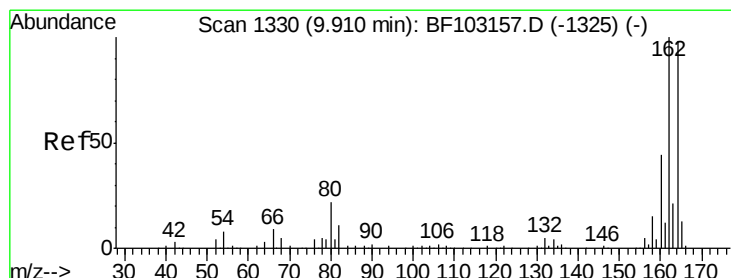
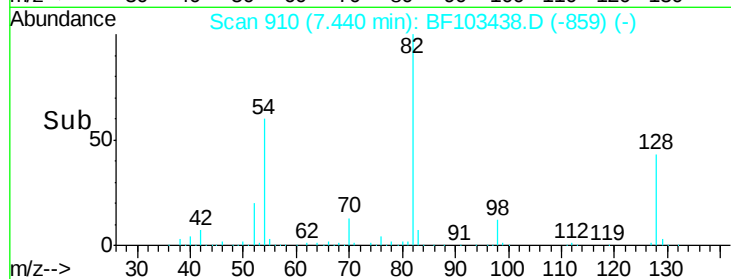
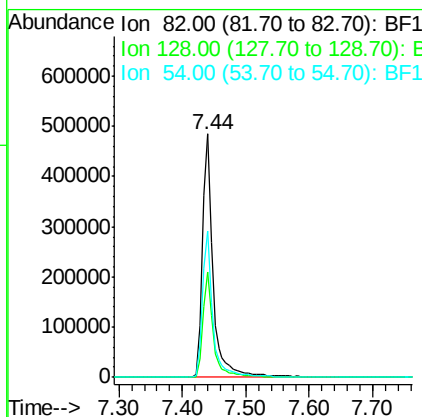
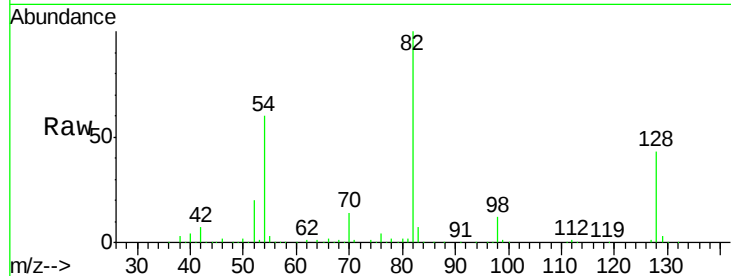
#23
 Nitrobenzene-d5
 Concen: 66.452 ng
 RT: 7.44 min Scan# 910
 Delta R.T. 0.00 min
 Lab File: BF103438.D
 Acq: 6 Mar 2018 4:24

Instrument :
 BNA_F
 ClientSampled :
 SP-45

Tot Ion	Ratio	Lower	Upper
82	100		
128	43.5	36.1	54.1
54	60.4	41.4	62.2

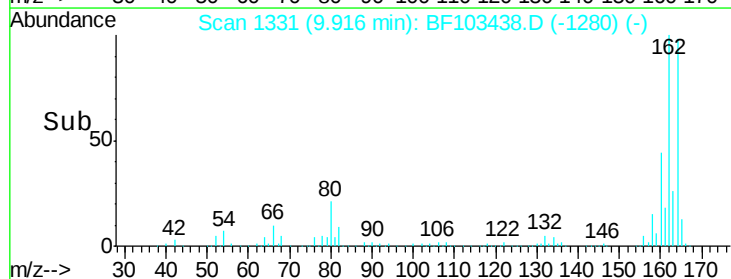
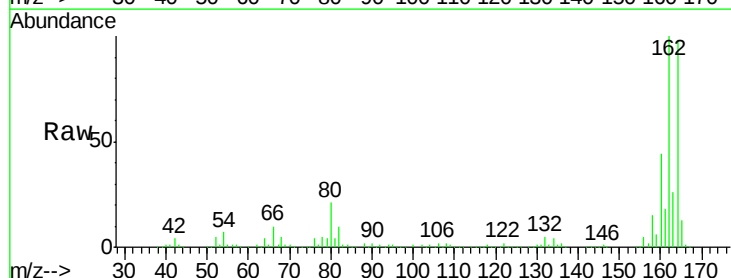
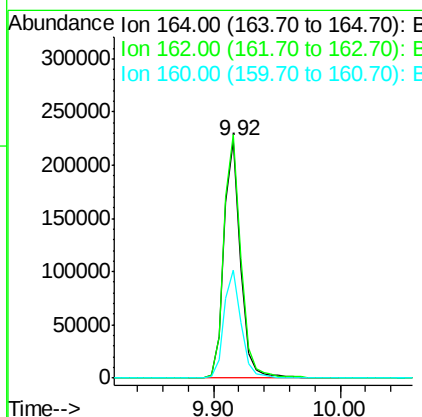
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#38
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.92 min Scan# 1331
 Delta R.T. 0.00 min
 Lab File: BF103438.D
 Acq: 6 Mar 2018 4:24

Tgt Ion	Ratio	Lower	Upper
164	100		
162	102.5	86.1	129.1
160	45.5	38.3	57.5





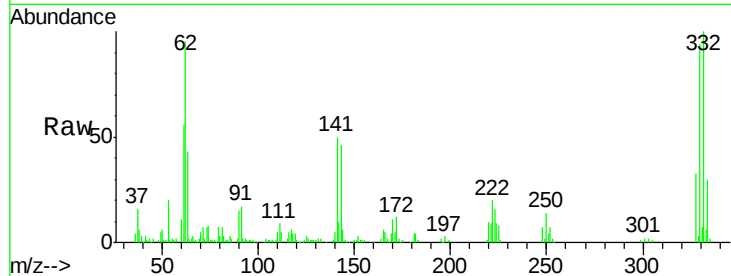
#41
 2,4,6-Tribromophenol
 Concen: 64.998 ng
 RT: 10.71 min Scan# 1466
 Delta R.T. -0.01 min
 Lab File: BF103438.D
 Acq: 6 Mar 2018 4:24

Instrument :
 BNA_F
 ClientSampled :
 SP-45

Tot Ion	Ratio	Resp	Lower	Upper
330	100			
332	104.9	77.0	115.6	
141	50.5	29.9	44.9	

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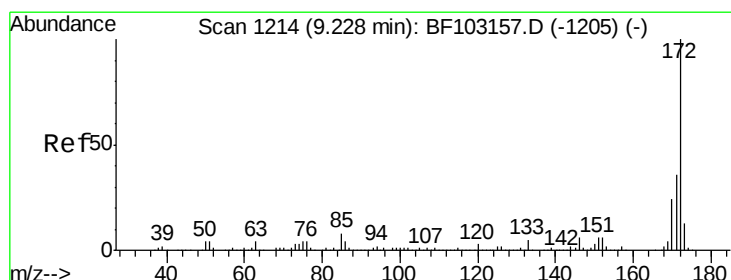
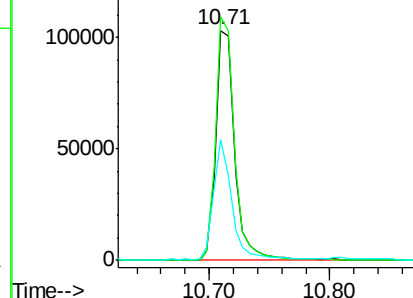
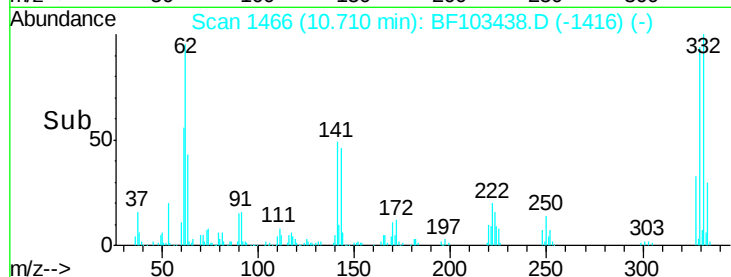


Abundance

Ion 329.80 (329.50 to 330.50): E

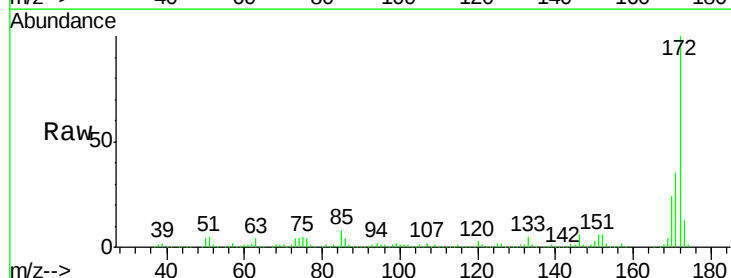
Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E



#44
 2-Fluorobiphenyl
 Concen: 61.499 ng
 RT: 9.23 min Scan# 1214
 Delta R.T. -0.01 min
 Lab File: BF103438.D
 Acq: 6 Mar 2018 4:24

Tgt Ion	Ratio	Resp	Lower	Upper
172	100			
171	35.3	29.7	44.5	
170	24.3	19.6	29.4	

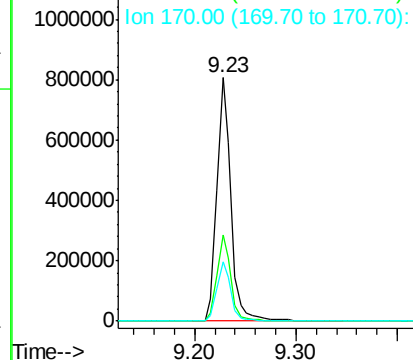
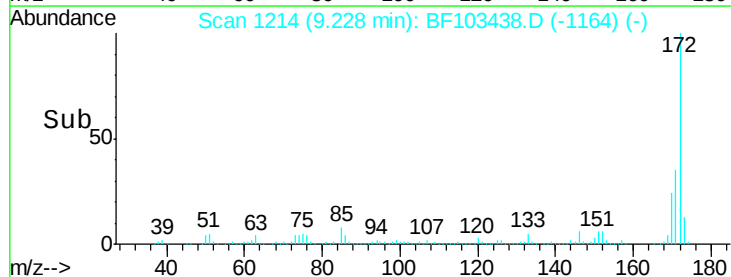


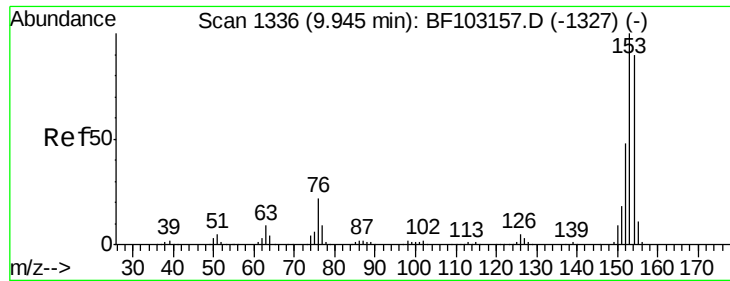
Abundance

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





#51

Acenaphthene

Concen: 2.298 ng

RT: 9.95 min Scan# 1336

Delta R.T. -0.01 min

Lab File: BF103438.D

Acq: 6 Mar 2018 4:24

Instrument :

BNA_F

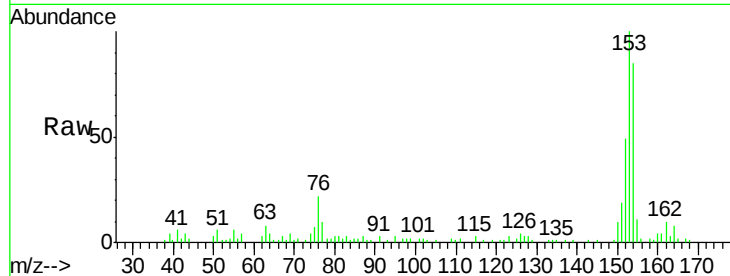
ClientSampleId :

SP-45

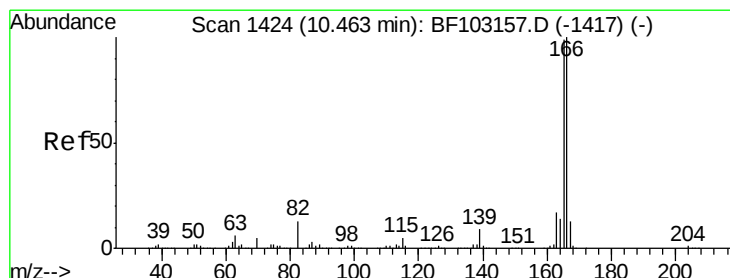
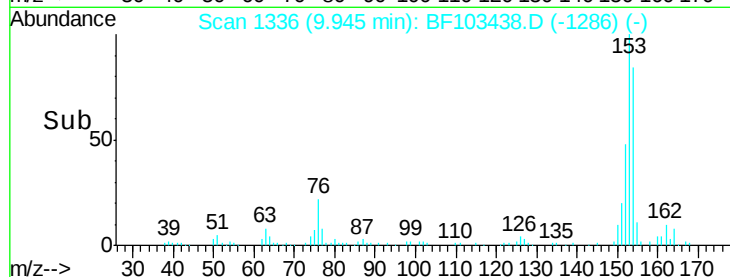
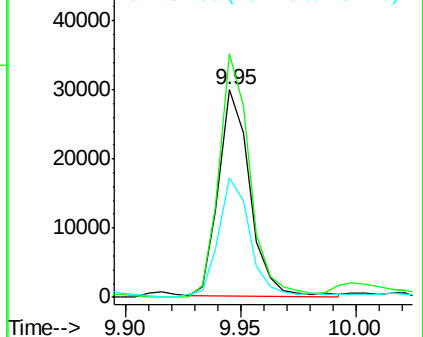
Tot Ion:	154	Resp:	27917
Ion Ratio	Lower	Upper	
154	100		
153	117.3	91.2	136.8
152	57.4	43.8	65.8

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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



#57

Fluorene

Concen: 2.033 ng

RT: 10.47 min Scan# 1425

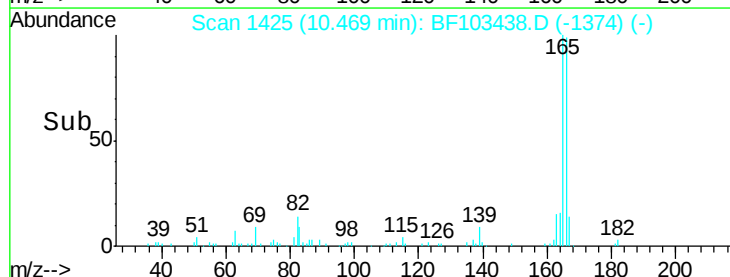
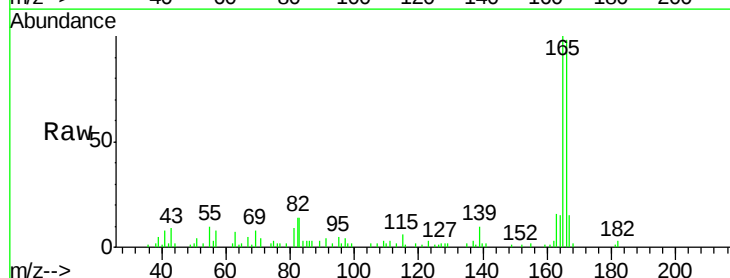
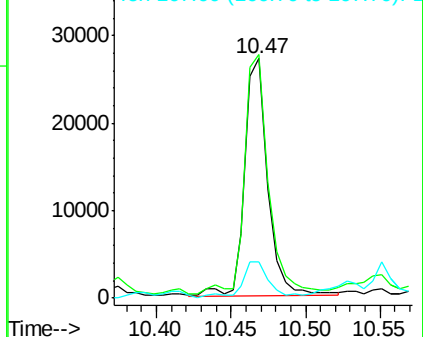
Delta R.T. 0.00 min

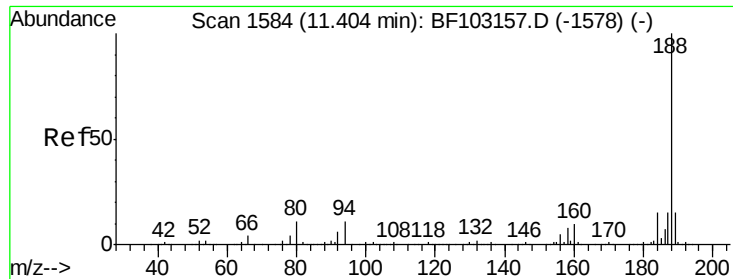
Lab File: BF103438.D

Acq: 6 Mar 2018 4:24

Tgt Ion:	166	Resp:	28879
Ion Ratio	Lower	Upper	
166	100		
165	101.8	79.8	119.8
167	15.0	10.6	16.0

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





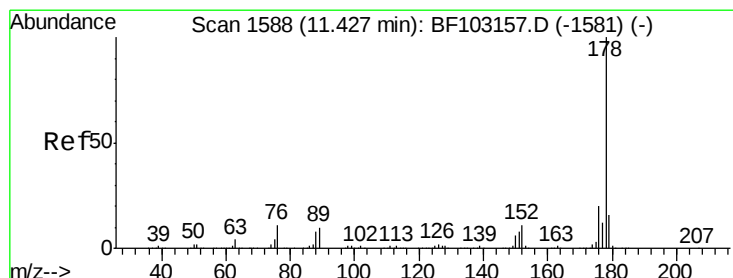
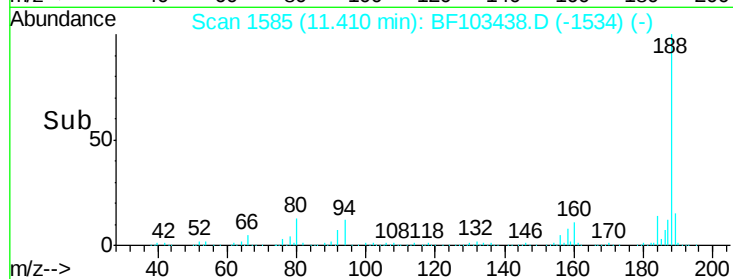
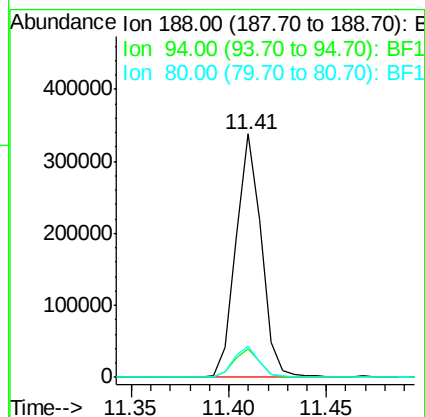
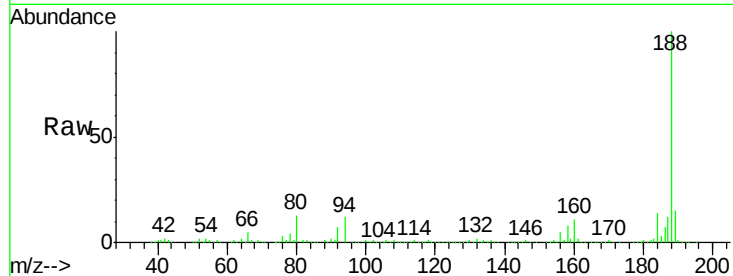
#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.41 min Scan# 1585
Delta R.T. 0.00 min
Lab File: BF103438.D
Acq: 6 Mar 2018 4:24

Instrument :
BNA_F
ClientSampleId :
SP-45

Tot Ion	Ratio	Resp	Lower	Upper
188	100	306426		
94	11.7		8.5	12.7
80	12.8		9.2	13.8

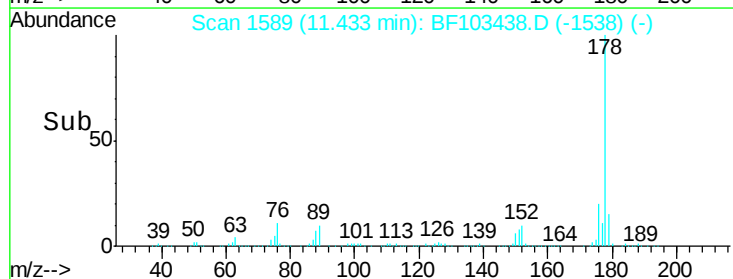
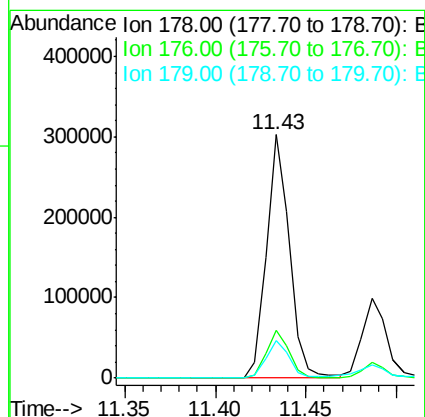
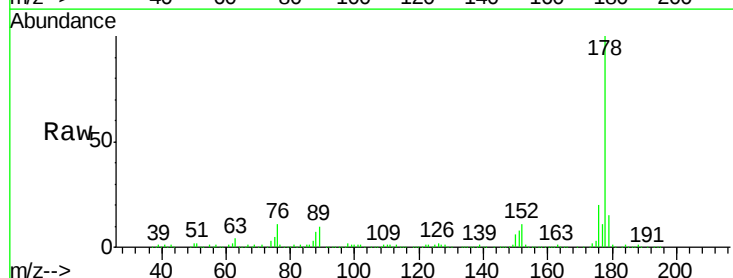
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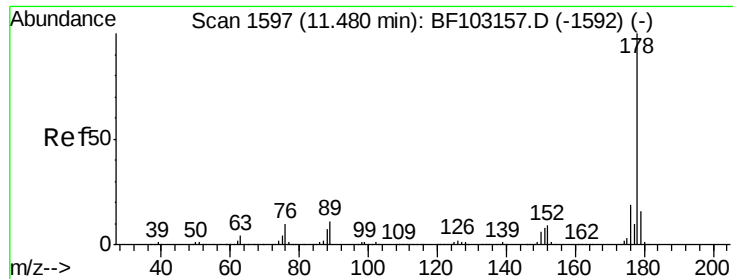
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#70
Phenanthrene
Concen: 15.870 ng
RT: 11.43 min Scan# 1589
Delta R.T. 0.00 min
Lab File: BF103438.D
Acq: 6 Mar 2018 4:24

Tgt Ion	Ratio	Resp	Lower	Upper
178	100	267617		
176	19.5		15.8	23.8
179	15.3		13.0	19.6





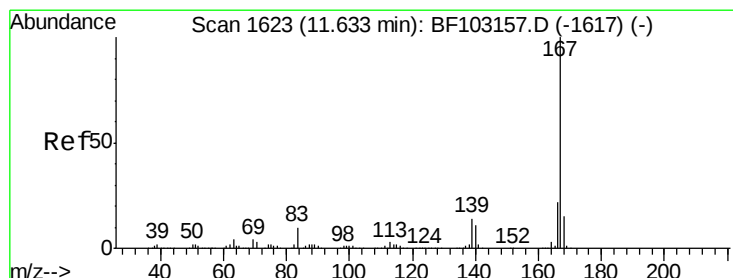
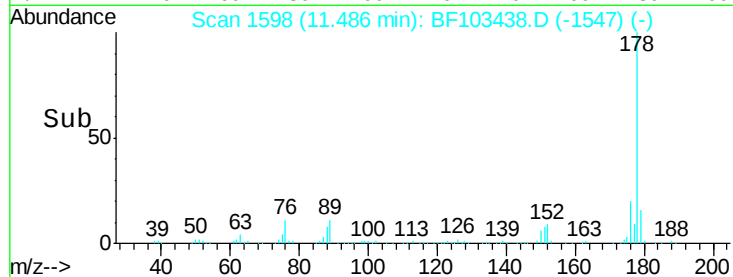
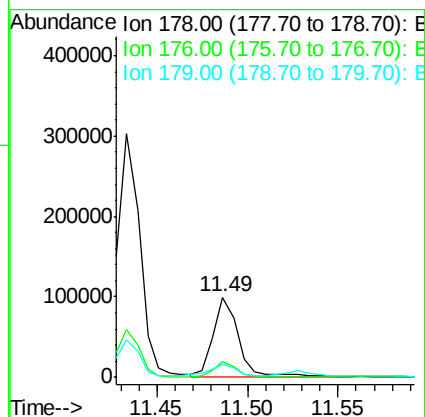
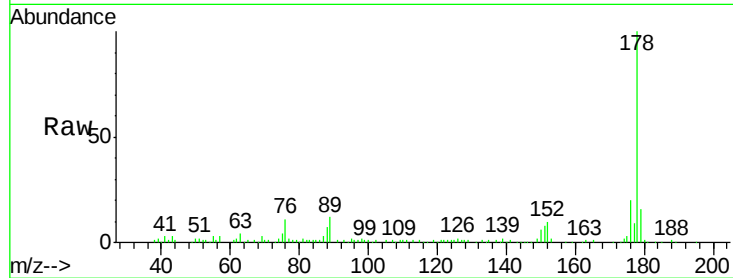
#71
 Anthracene
 Concen: 5.455 ng
 RT: 11.49 min Scan# 1598
 Delta R.T. 0.00 min
 Lab File: BF103438.D
 Acq: 6 Mar 2018 4:24

Instrument :
 BNA_F
 ClientSampleId :
 SP-45

Tot Ion	Ratio	Lower	Upper
178	100		
176	19.6	15.4	23.2
179	16.3	12.6	19.0

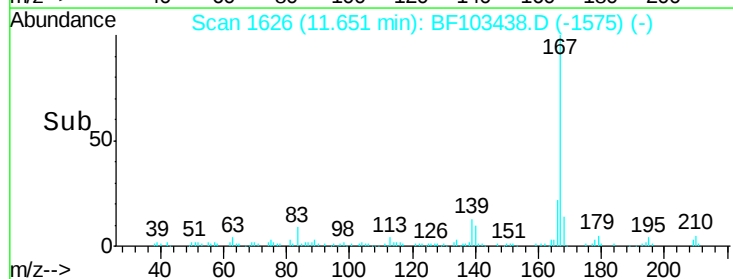
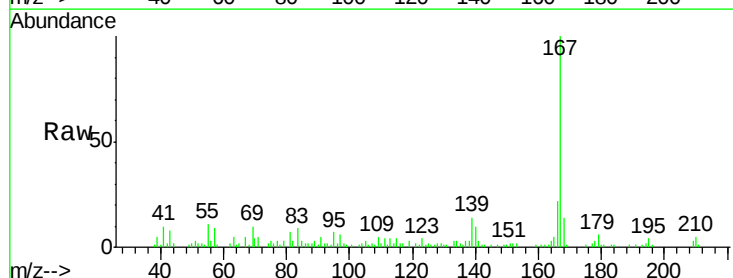
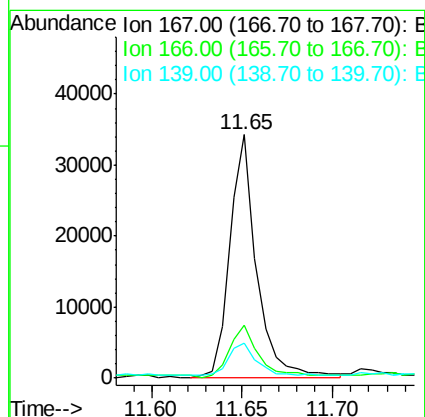
Manual Integrations
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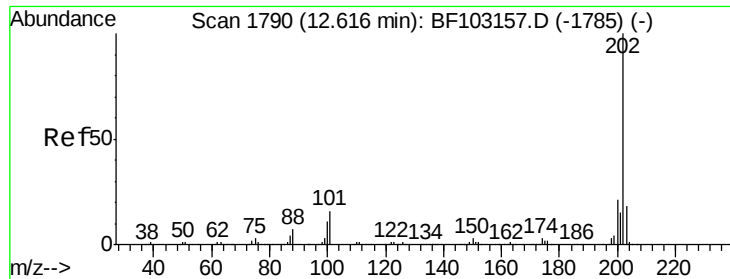
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#72
 Carbazole
 Concen: 2.070 ng
 RT: 11.65 min Scan# 1626
 Delta R.T. 0.00 min
 Lab File: BF103438.D
 Acq: 6 Mar 2018 4:24

Tgt Ion	Ratio	Lower	Upper
167	100		
166	21.6	17.6	26.4
139	14.1	10.9	16.3





#74

Fluoranthene

Concen: 21.661 ng

RT: 12.63 min Scan# 1793

Delta R.T. 0.00 min

Lab File: BF103438.D

Acq: 6 Mar 2018 4:24

Instrument :

BNA_F

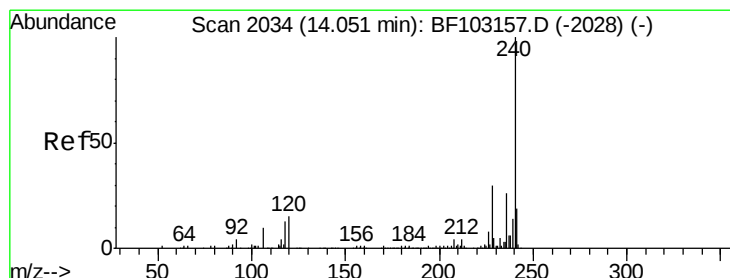
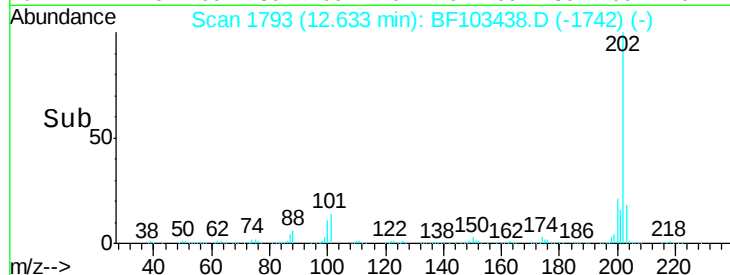
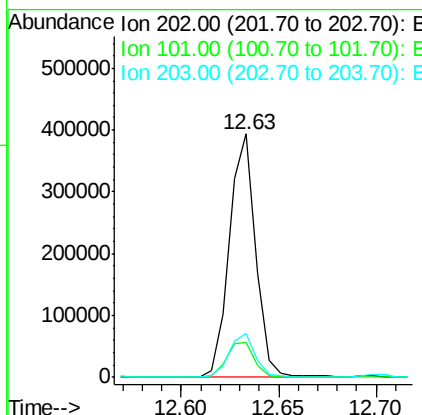
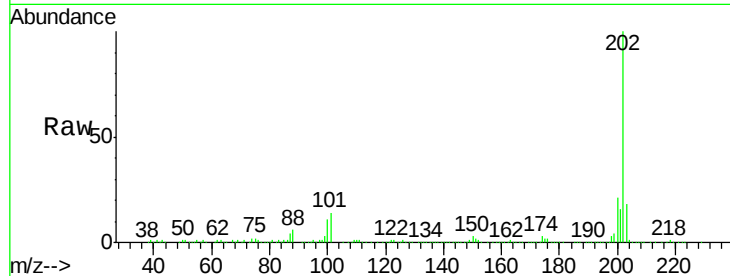
ClientSampled :

SP-45

Tot Ion	Ion	Ratio	Resp	Lower	Upper
202	100		367060		
101	14.3	0.0	34.1		
203	17.8	0.0	38.1		

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#75

Chrysene-d12

Concen: 20.000 ng

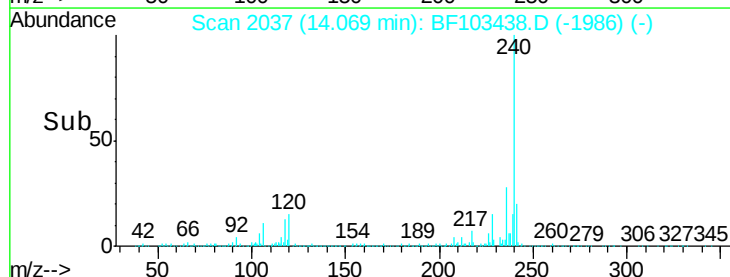
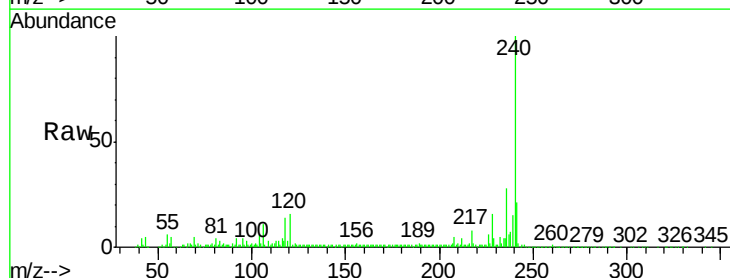
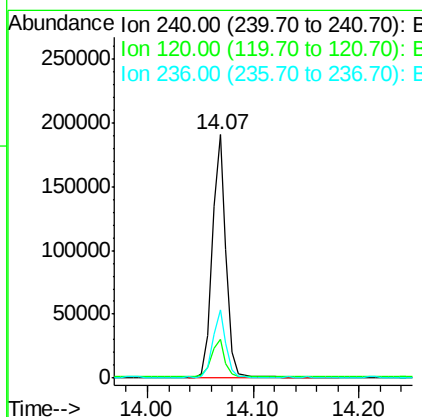
RT: 14.07 min Scan# 2037

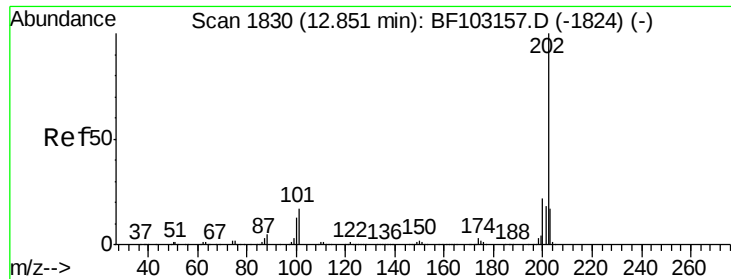
Delta R.T. 0.00 min

Lab File: BF103438.D

Acq: 6 Mar 2018 4:24

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
240	100		173045		
120	15.8	9.5	14.3#		
236	27.8	20.7	31.1		





#77

Pvrene

Concen: 25.842 ng

RT: 12.86 min Scan# 1832

Delta R.T. 0.00 min

Lab File: BF103438.D

Acq: 6 Mar 2018 4:24

Instrument :

BNA_F

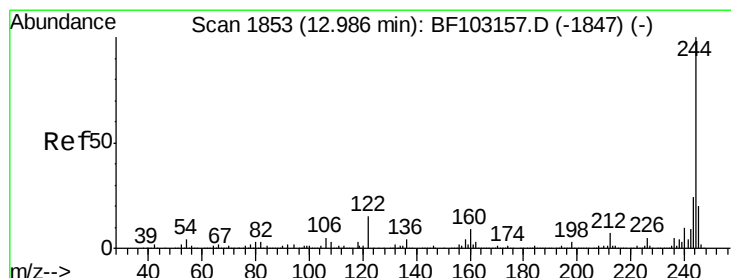
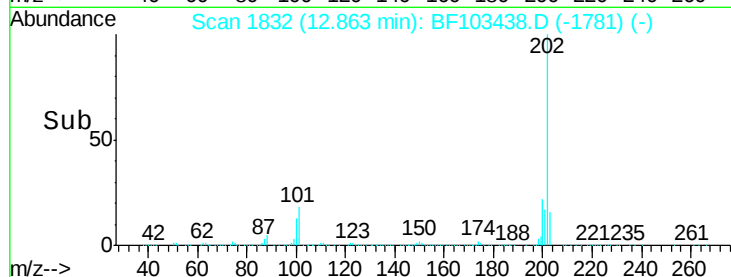
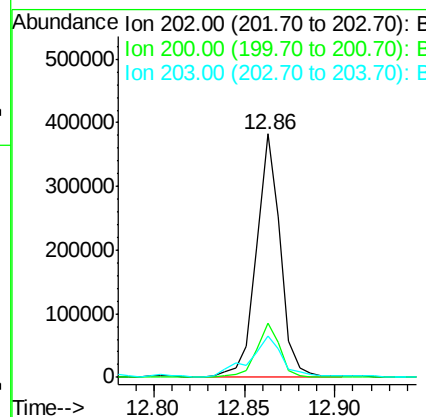
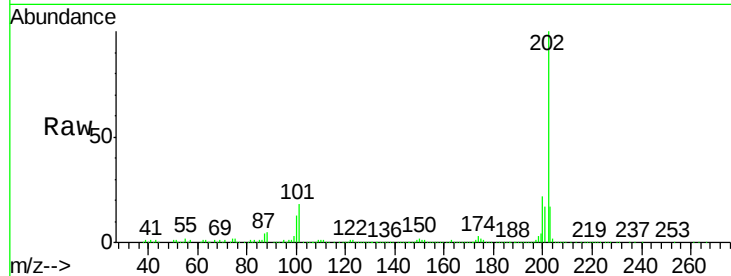
ClientSampled :

SP-45

Tot Ion:	202	Resp:	348649
Ion Ratio		Lower	Upper
202	100		
200	22.1	17.4	26.2
203	17.0	14.3	21.5

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#78

Terphenyl-d14

Concen: 68.712 ng

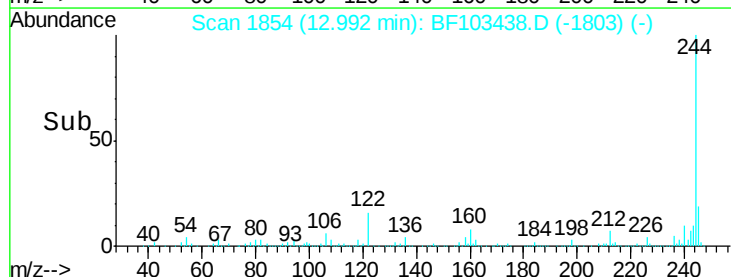
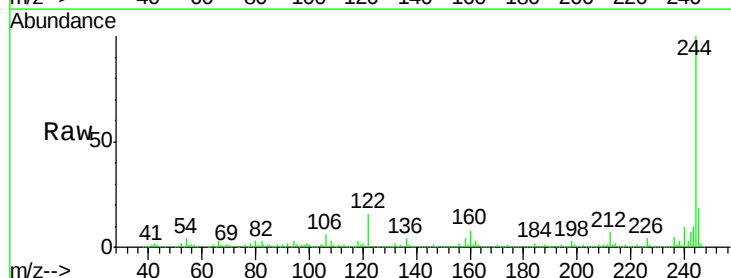
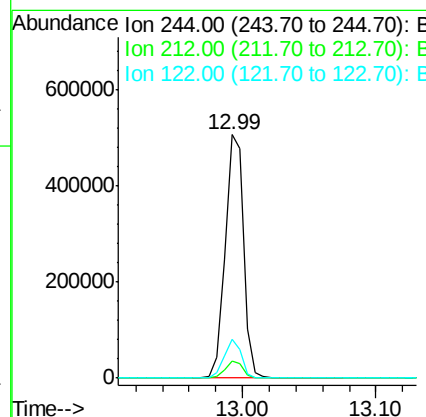
RT: 12.99 min Scan# 1854

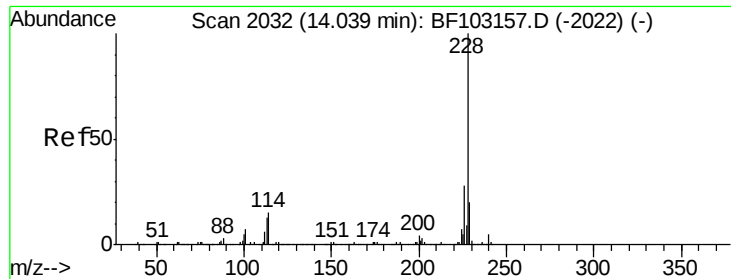
Delta R.T. 0.00 min

Lab File: BF103438.D

Acq: 6 Mar 2018 4:24

Tgt Ion:	244	Resp:	494631
Ion Ratio		Lower	Upper
244	100		
212	7.2	5.4	8.0
122	16.2	11.0	16.4





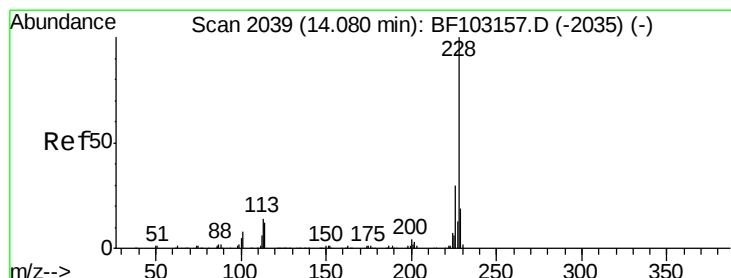
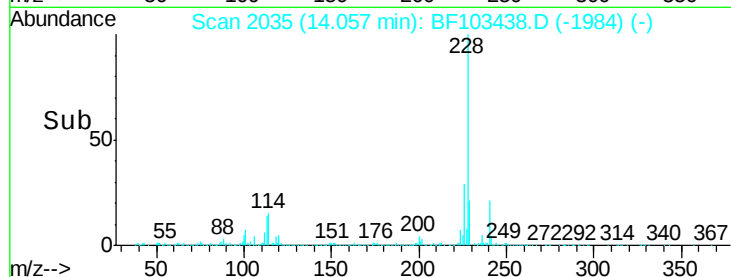
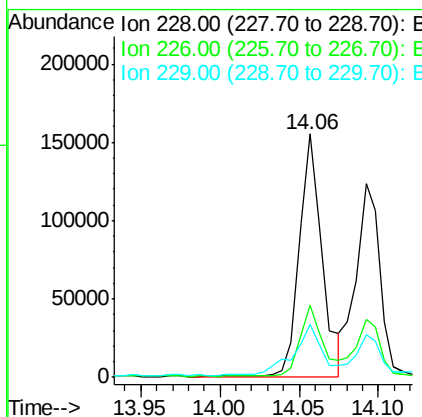
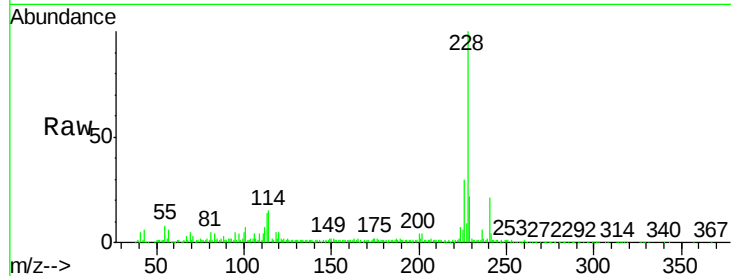
#80
Benzo(a)anthracene
Concen: 13.749 ng
RT: 14.06 min Scan# 2035
Delta R.T. 0.00 min
Lab File: BF103438.D
Acq: 6 Mar 2018 4:24

Instrument :
BNA_F
ClientSampleId :
SP-45

Tot Ion	Ratio	Lower	Upper
228	100		
226	29.8	22.6	33.8
229	21.7	15.8	23.6

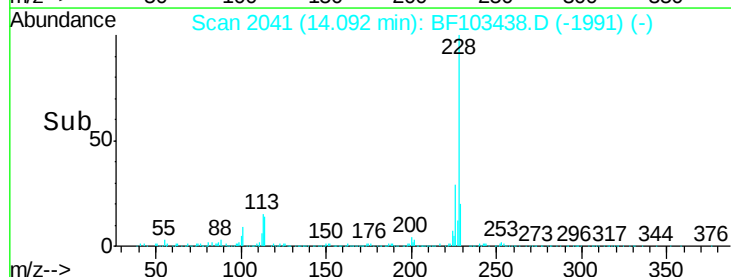
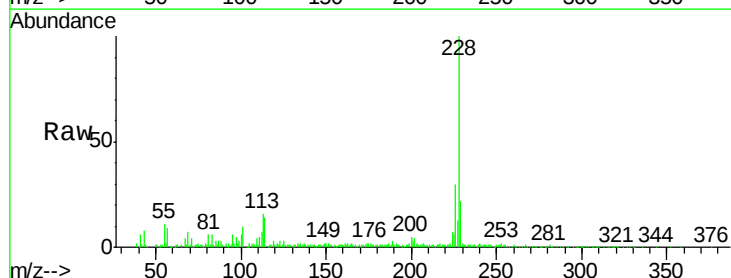
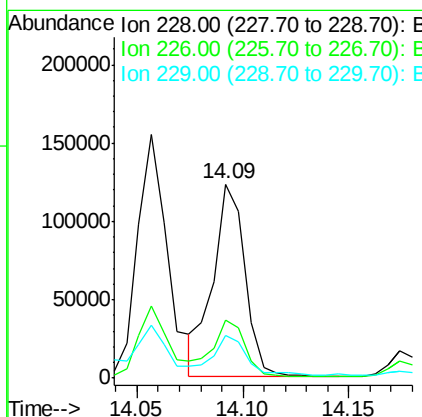
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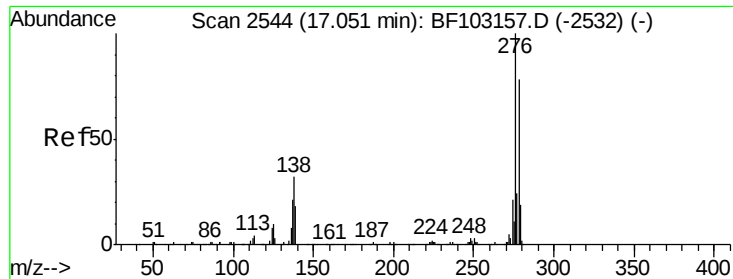
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#82
Chrysene
Concen: 11.963 ng
RT: 14.09 min Scan# 2041
Delta R.T. -0.01 min
Lab File: BF103438.D
Acq: 6 Mar 2018 4:24

Tgt Ion	Ratio	Lower	Upper
228	100		
226	30.1	25.0	37.6
229	21.9	16.2	24.4





#85

Indeno(1,2,3-cd)pyrene

Concen: 5.565 ng

RT: 17.13 min Scan# 2558

Delta R.T. 0.00 min

Lab File: BF103438.D

Acq: 6 Mar 2018 4:24

Instrument :

BNA_F

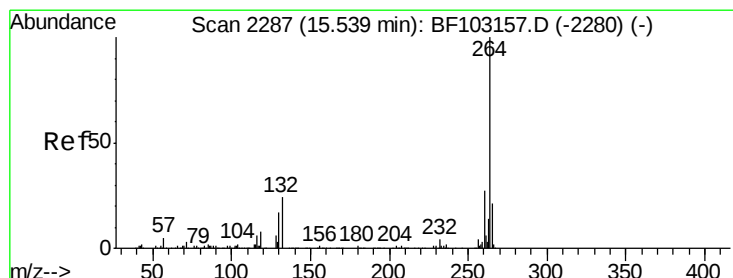
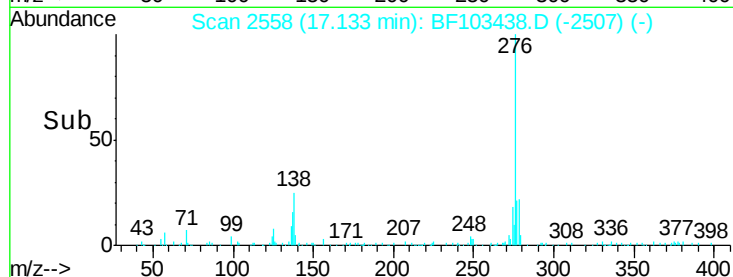
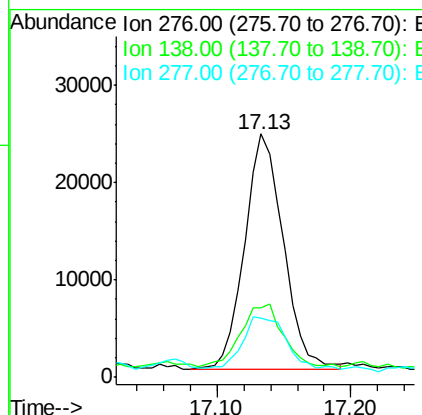
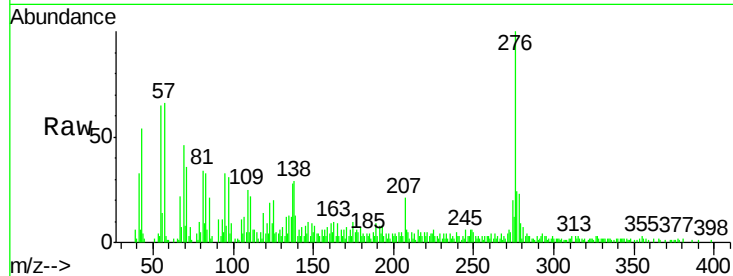
ClientSampleId :

SP-45

Tot Ion:	276	Resp:	48029
Ion Ratio	Lower	Upper	
276	100		
138	29.5	25.0	37.6
277	26.2	20.1	30.1

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#86

Perylene-d12

Concen: 20.000 ng

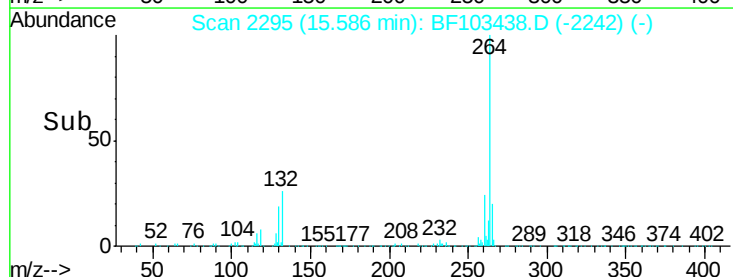
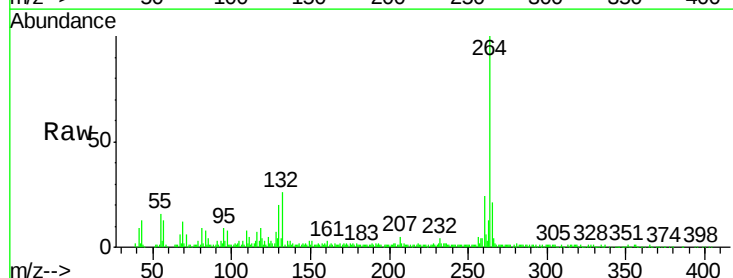
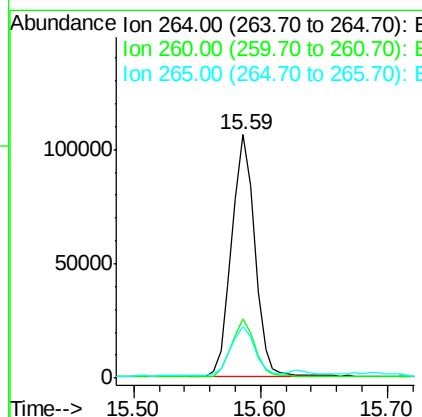
RT: 15.59 min Scan# 2295

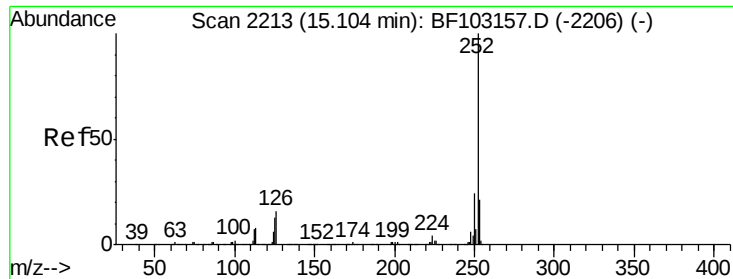
Delta R.T. 0.01 min

Lab File: BF103438.D

Acq: 6 Mar 2018 4:24

Tgt Ion:	264	Resp:	134442
Ion Ratio	Lower	Upper	
264	100		
260	24.5	19.2	28.8
265	21.2	17.5	26.3





#87

Benzo(b)fluoranthene

Concen: 15.309 ng m

RT: 15.14 min Scan# 2219

Delta R.T. 0.01 min

Lab File: BF103438.D

Acq: 6 Mar 2018 4:24

Instrument :

BNA_F

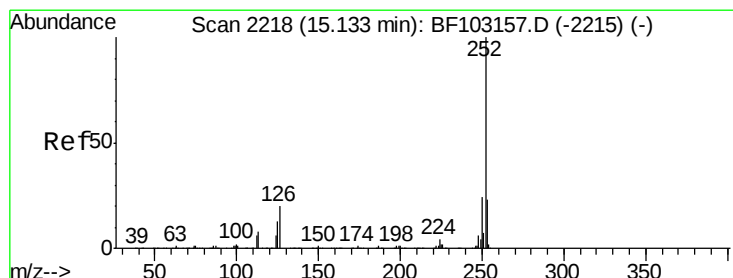
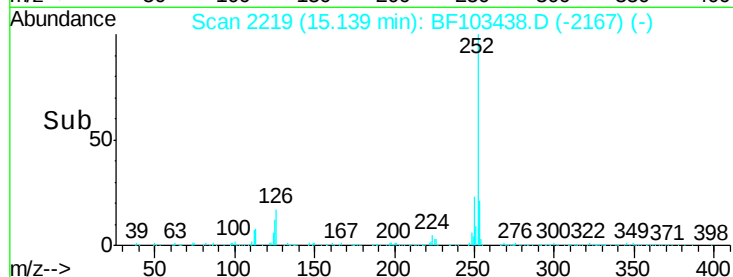
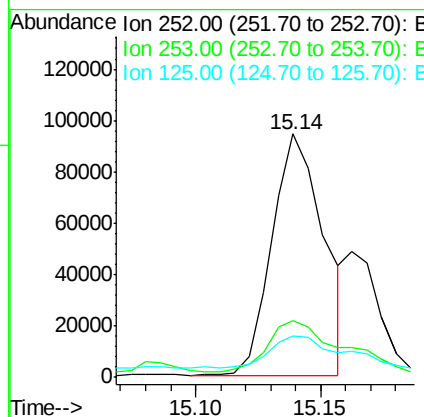
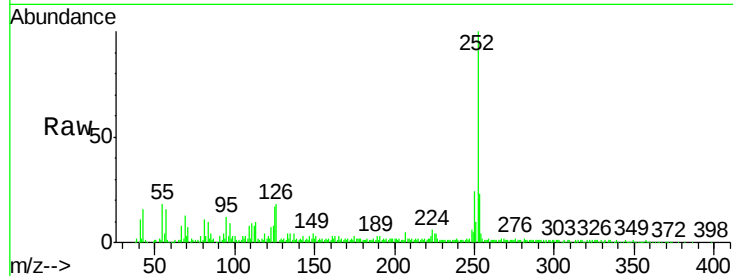
ClientSampleId :

SP-45

Tot Ion:	252	Resp:	135320
Ion Ratio	Lower	Upper	
252	100		
253	23.2	17.0	25.6
125	16.8	9.0	13.6#

Manual Integrations
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#88

Benzo(k)fluoranthene

Concen: 5.488 ng m

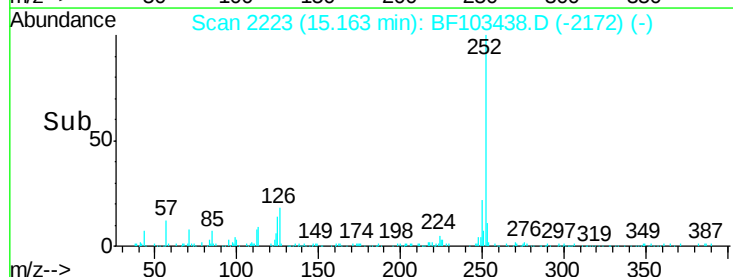
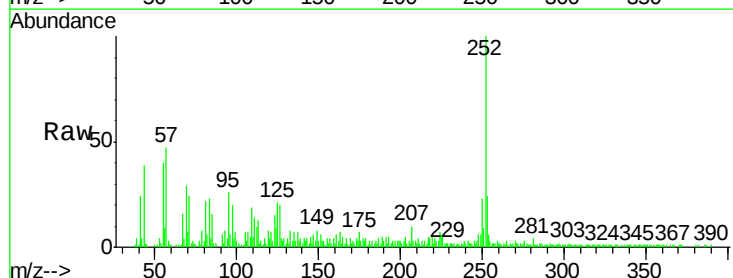
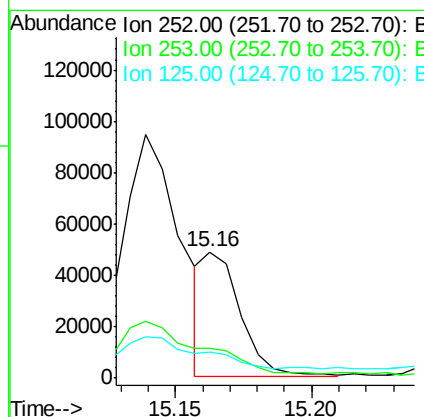
RT: 15.16 min Scan# 2223

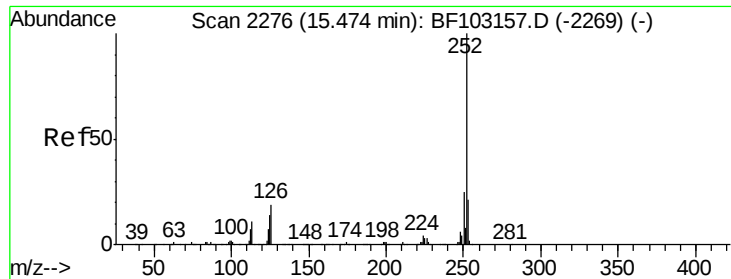
Delta R.T. 0.00 min

Lab File: BF103438.D

Acq: 6 Mar 2018 4:24

Tgt Ion:	252	Resp:	45681
Ion Ratio	Lower	Upper	
252	100		
253	23.8	17.9	26.9
125	20.7	10.2	15.2#





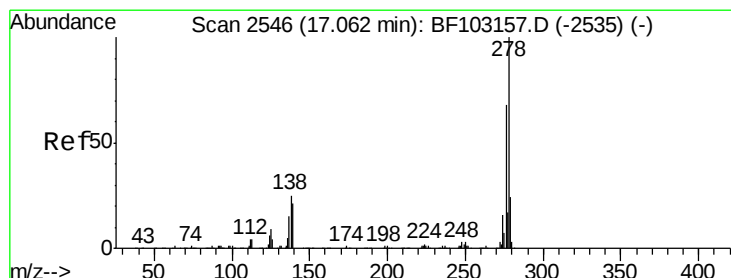
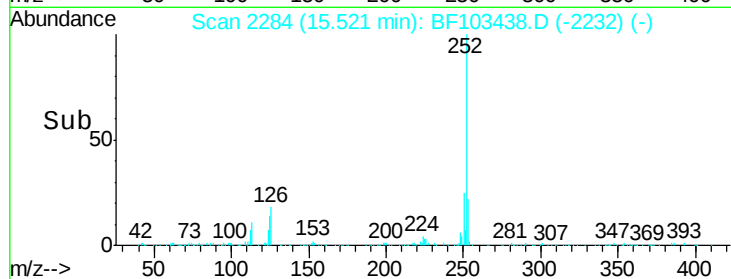
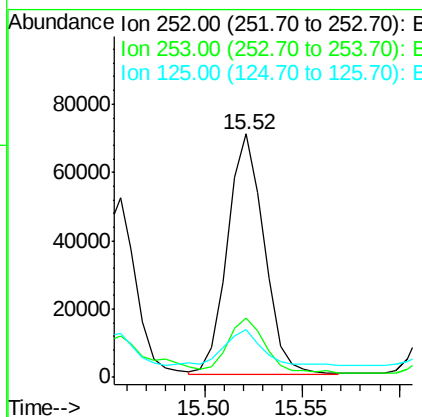
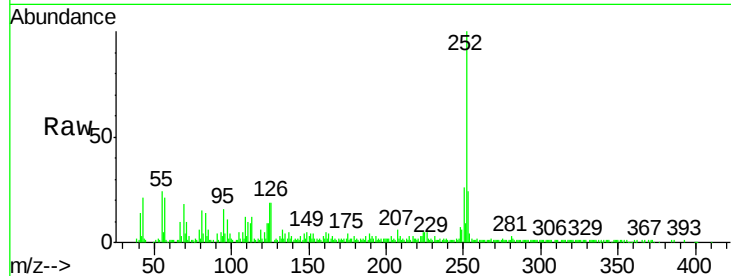
#89
Benzo(a)pyrene
Concen: 11.580 ng
RT: 15.52 min Scan# 2284
Delta R.T. 0.01 min
Lab File: BF103438.D
Acq: 6 Mar 2018 4:24

Instrument :
BNA_F
ClientSampled :
SP-45

Tot Ion	Ratio	Lower	Upper
252	100		
253	24.5	17.1	25.7
125	19.4	9.8	14.6

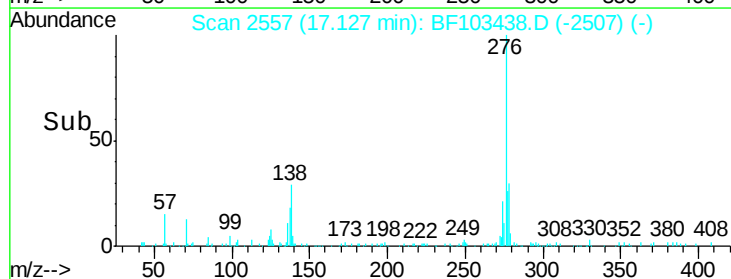
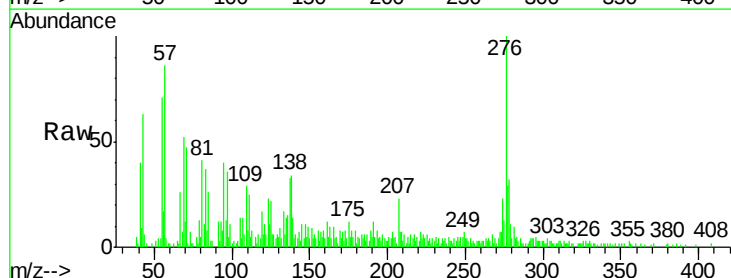
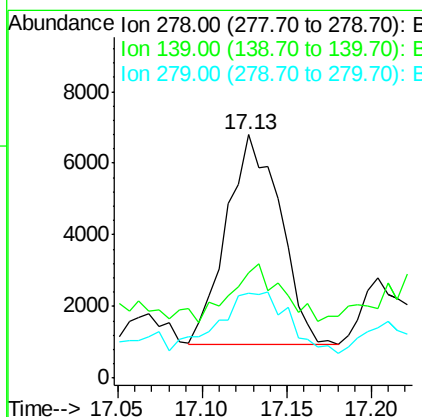
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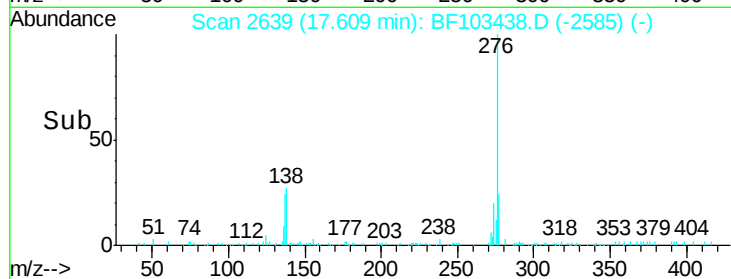
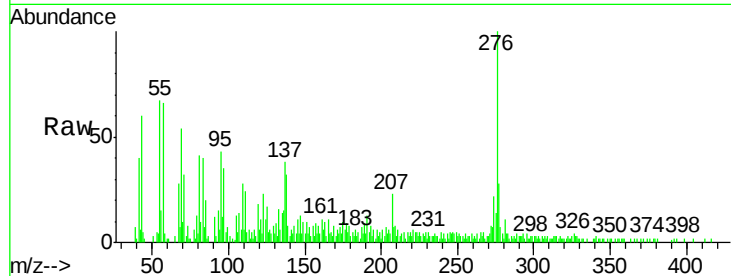
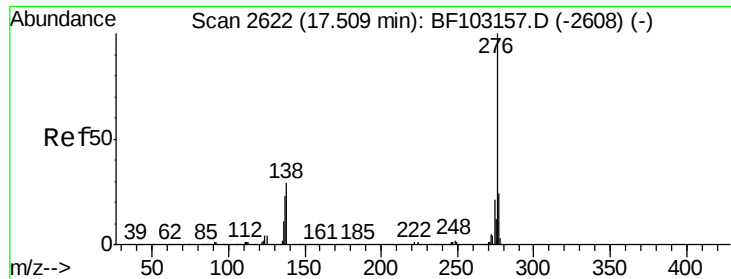
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#90
Dibenzo(a,h)anthracene
Concen: 2.133 ng
RT: 17.13 min Scan# 2557
Delta R.T. -0.01 min
Lab File: BF103438.D
Acq: 6 Mar 2018 4:24

Tgt Ion	Ratio	Lower	Upper
278	100		
139	43.3	15.9	23.9
279	35.1	19.0	28.4





#91
 Benzo(a,h,i)perylene
 Concen: 7.876 ng
 RT: 17.61 min Scan# 2639
 Delta R.T. 0.02 min
 Lab File: BF103438.D
 Acq: 6 Mar 2018 4:24

Instrument :
 BNA_F
 ClientSampleId :
 SP-45

Tot Ion	Ratio	Lower	Upper
276	100		
277	28.2	17.9	26.9#
138	32.1	21.8	32.8

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