

Data Path : \\74.0.250.170\SV0ASRV\HPCHEM1\BNA F\DATA\BF030618\
 Data File : BF103450.D
 Acq On : 6 Mar 2018 12:43
 Operator : SJ/JU
 Sample : J1723-17
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SP-39

Manual Integrations
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Sohil
 3/7/2018 12:14:45 PM

Quant Time: Mar 06 14:54:08 2018
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF022218.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Mar 06 11:52:59 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.87	152	121338	20.00	ng	0.00
21) Naphthalene-d8	8.16	136	514335	20.00	ng	0.00
38) Acenaphthene-d10	9.91	164	221024	20.00	ng	0.00
63) Phenanthrene-d10	11.41	188	331480	20.00	ng	0.00
75) Chrysene-d12	14.07	240	212875	20.00	ng	0.00
86) Perylene-d12	15.58	264	224117	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.50	112	790331	98.51	ng	0.00
7) Phenol-d6	6.51	99	978236	99.65	ng	0.00
23) Nitrobenzene-d5	7.44	82	609542	67.68	ng	0.00
41) 2,4,6-Tribromophenol	10.71	330	145494	77.77	ng	0.00
44) 2-Fluorobiphenyl	9.23	172	849755	62.01	ng	0.00
78) Terphenyl-d14	12.99	244	556120	62.80	ng	0.00
Target Compounds						Qvalue
31) Naphthalene	8.17	128	105511	4.190	ng	98
37) 2-Methylnaphthalene	8.87	142	51761	3.181	ng	100
51) Acenaphthene	9.95	154	82490	6.275	ng	99
54) Dibenzofuran	10.12	168	99382	5.507	ng	98
57) Fluorene	10.46	166	107725	7.008	ng	98
70) Phenanthrene	11.43	178	778977	42.702	ng	99
71) Anthracene	11.49	178	242953	12.988	ng	99
72) Carbazole	11.64	167	70247	3.771	ng	99
74) Fluoranthene	12.63	202	785799	42.866	ng	98
77) Pyrene	12.86	202	697022	41.997	ng	99
80) Benzo(a)anthracene	14.06	228	369059	26.720	ng	99
82) Chrysene	14.09	228	304345	22.693	ng	98
85) Indeno(1,2,3-cd)pyrene	17.13	276	129823	12.227	ng	97
87) Benzo(b)fluoranthene	15.14	252	408168m	27.700	ng	
88) Benzo(k)fluoranthene	15.16	252	107090m	7.718	ng	
89) Benzo(a)pyrene	15.52	252	274418	20.854	ng	# 91
90) Dibenzo(a,h)anthracene	17.12	278	35000	3.442	ng	# 82
91) Benzo(g,h,i)perylene	17.60	276	114496	11.522	ng	93

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

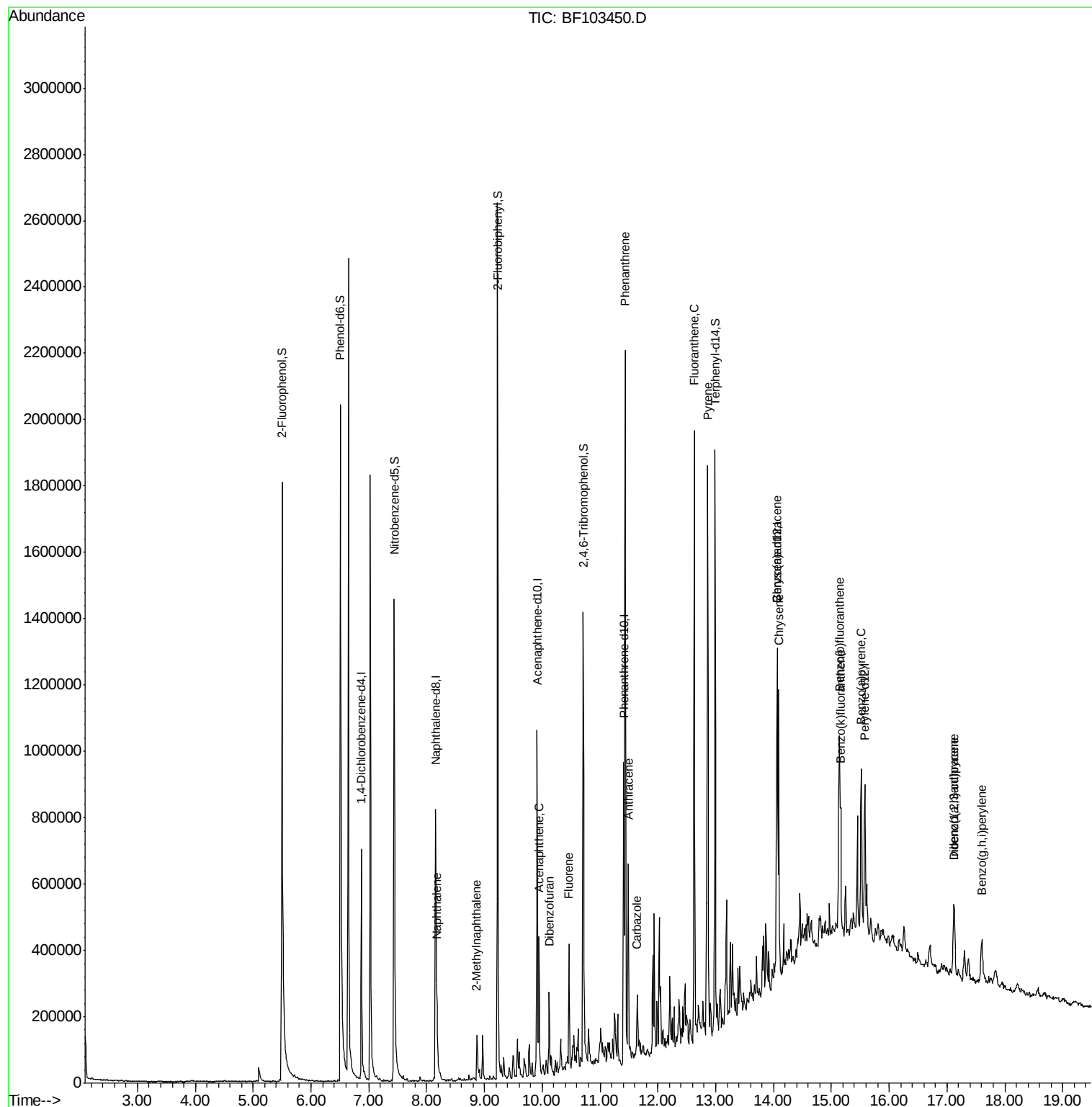
Data Path : \\74.0.250.170\SVOASRV\HPCHEM1\BNA F\DATA\BF030618\
Data File : BF103450.D
Acq On : 6 Mar 2018 12:43
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#1

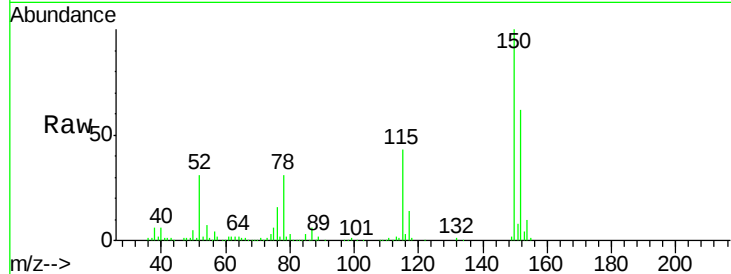
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.87 min Scan# 813
Delta R.T. -0.00 min
Lab File: BF103450.D
Acq: 6 Mar 2018 12:43

Instrument :
BNA_F
ClientSampled :
SP-39

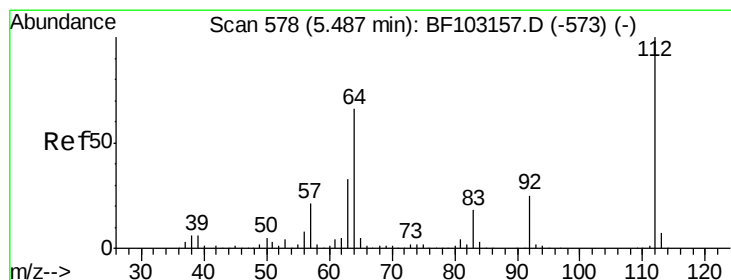
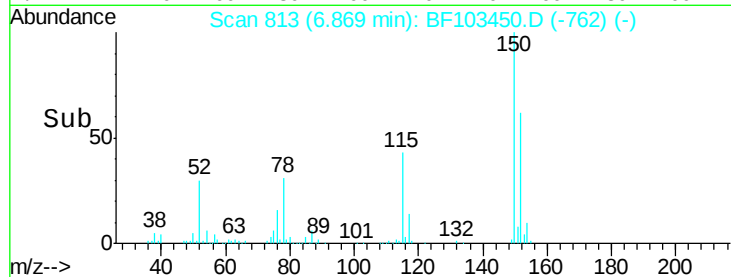
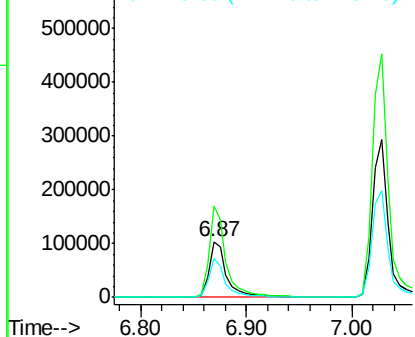
Tot Ion	Ratio	Lower	Upper
152	100		
150	162.4	124.6	186.8
115	69.4	50.1	75.1

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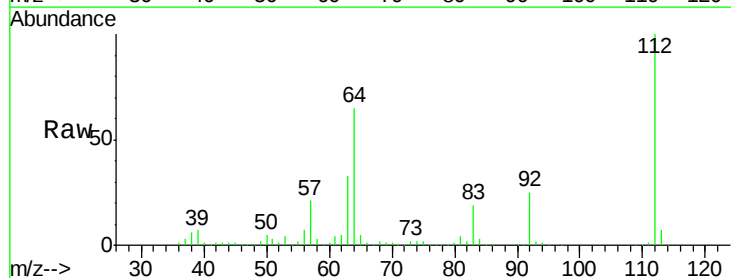
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



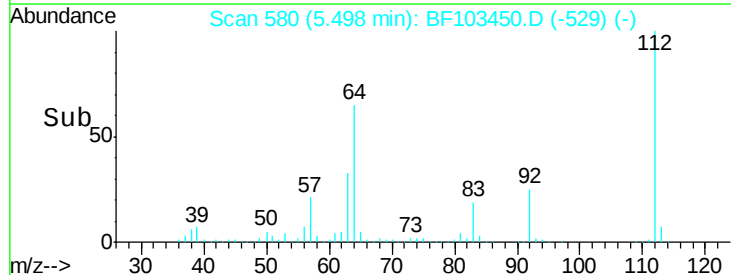
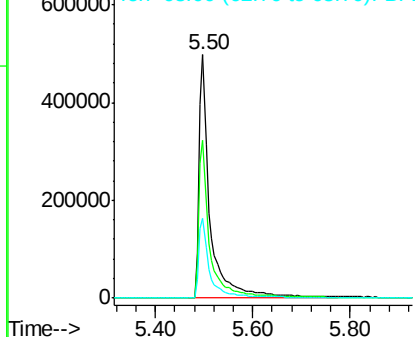
#5

2-Fluorophenol
Concen: 98.512 ng
RT: 5.50 min Scan# 580
Delta R.T. -0.00 min
Lab File: BF103450.D
Acq: 6 Mar 2018 12:43

Tgt Ion	Ratio	Lower	Upper
112	100		
64	65.0	47.9	71.9
63	33.0	23.7	35.5



Abundance Ion 112.00 (111.70 to 112.70): E
Ion 64.00 (63.70 to 64.70): BF1
Ion 63.00 (62.70 to 63.70): BF1





#7

Phenol-d6

Concen: 99.647 ng

RT: 6.51 min Scan# 752

Delta R.T. -0.01 min

Lab File: BF103450.D

Acq: 6 Mar 2018 12:43

Instrument :

BNA_F

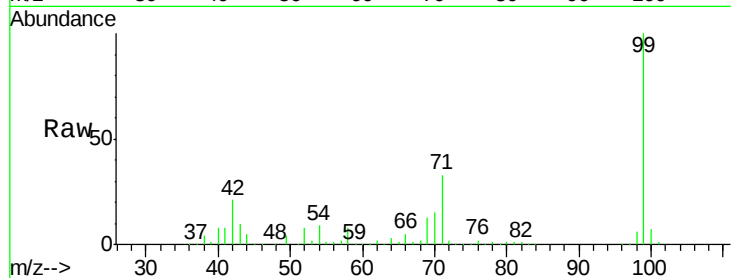
ClientSampled :

SP-39

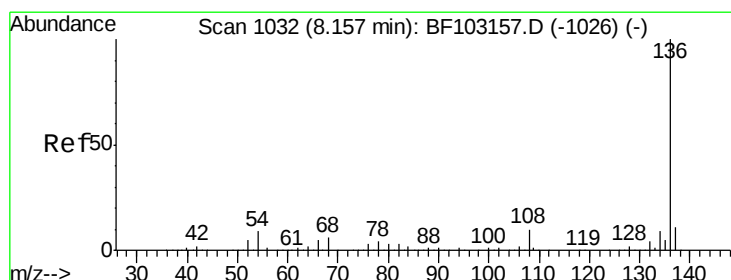
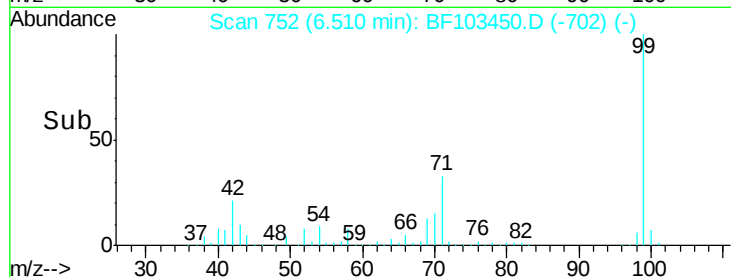
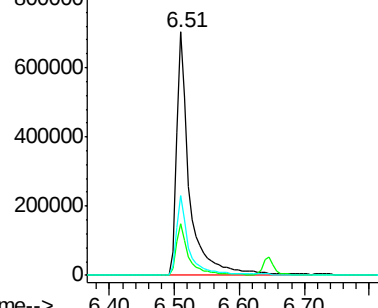
Tot Ion:	99	Resp:	978236
Ion Ratio	Lower	Upper	
99	100		
42	21.0	14.5	21.7
71	32.6	25.4	38.0

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Abundance Ion 99.00 (98.70 to 99.70): BF1
Ion 42.00 (41.70 to 42.70): BF1
Ion 71.00 (70.70 to 71.70): BF1



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.16 min Scan# 1032

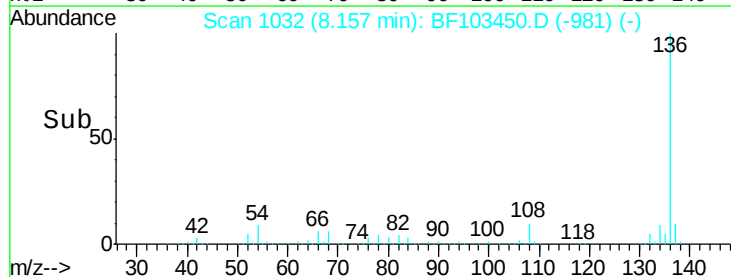
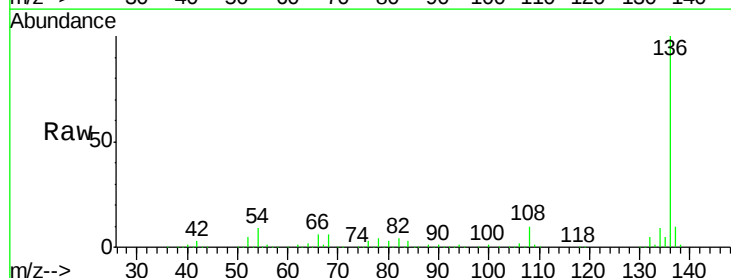
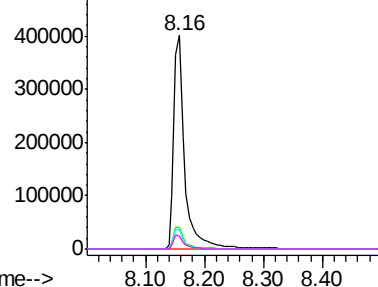
Delta R.T. -0.00 min

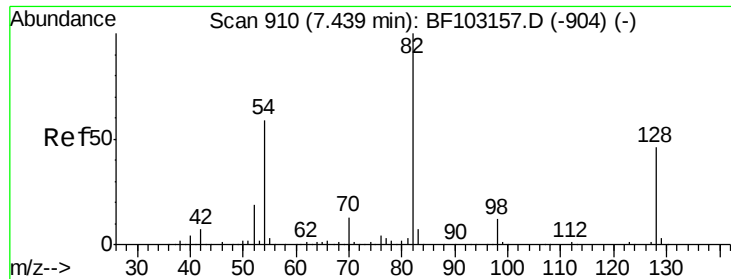
Lab File: BF103450.D

Acq: 6 Mar 2018 12:43

Tgt Ion:	136	Resp:	514335
Ion Ratio	Lower	Upper	
136	100		
137	10.4	8.9	13.3
54	8.9	6.6	9.8
68	6.0	5.0	7.4

Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF1
Ion 68.00 (67.70 to 68.70): BF1





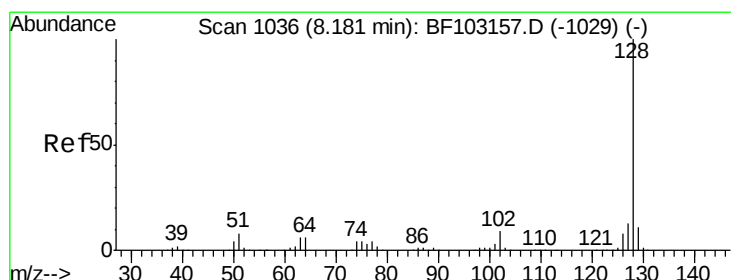
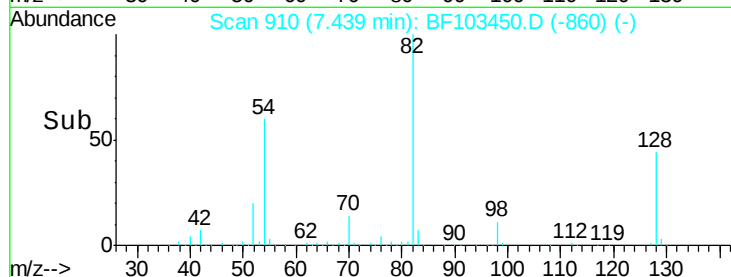
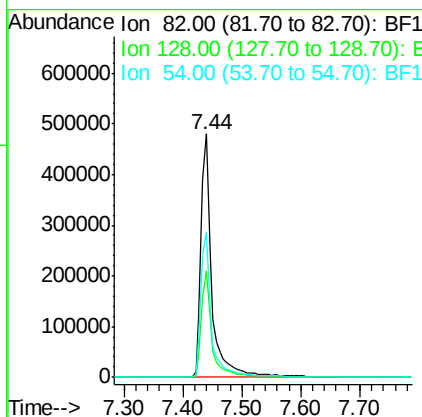
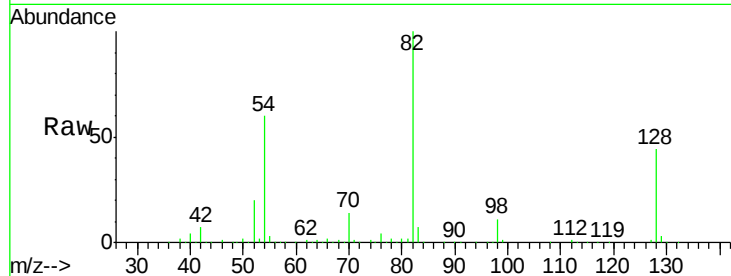
#23
Nitrobenzene-d5
Concen: 67.680 ng
RT: 7.44 min Scan# 910
Delta R.T. -0.01 min
Lab File: BF103450.D
Acq: 6 Mar 2018 12:43

Instrument :
BNA_F
ClientSampled :
SP-39

Tot Ion	Ratio	Lower	Upper
82	100		
128	43.6	36.1	54.1
54	59.5	41.4	62.2

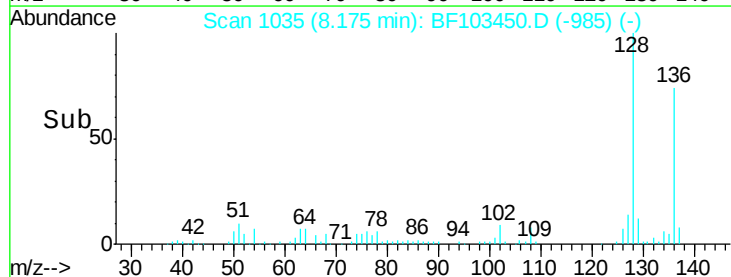
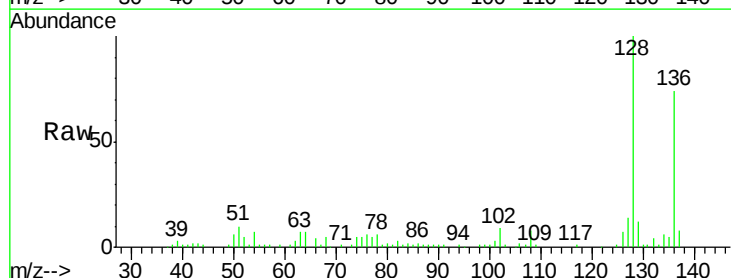
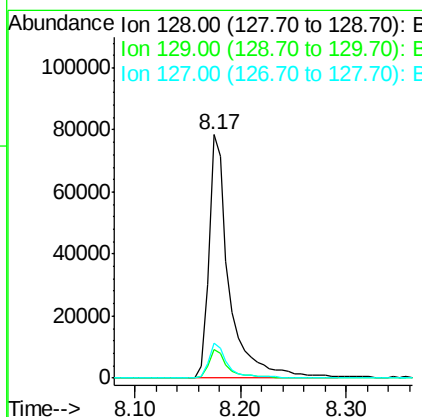
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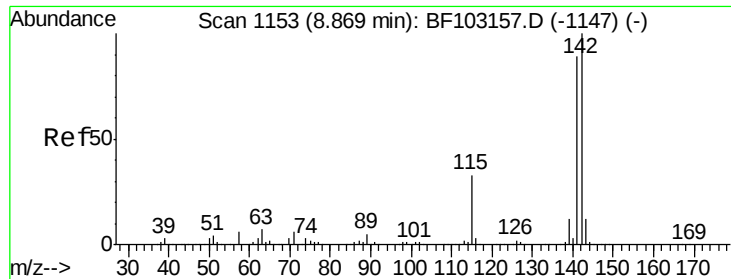
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#31
Naphthalene
Concen: 4.190 ng
RT: 8.17 min Scan# 1035
Delta R.T. -0.01 min
Lab File: BF103450.D
Acq: 6 Mar 2018 12:43

Tgt Ion	Ratio	Lower	Upper
128	100		
129	11.8	8.8	13.2
127	14.2	10.9	16.3





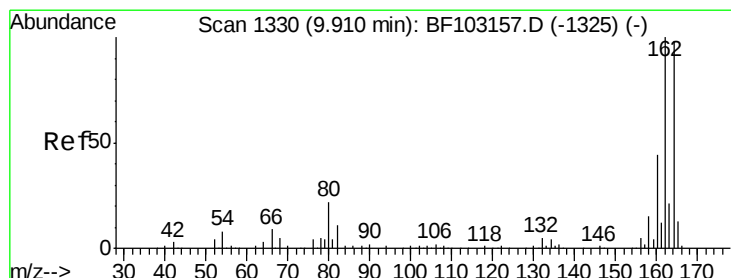
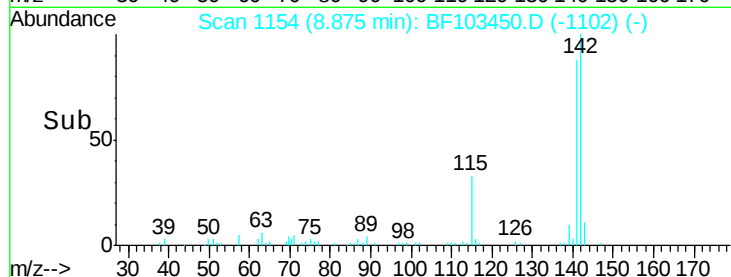
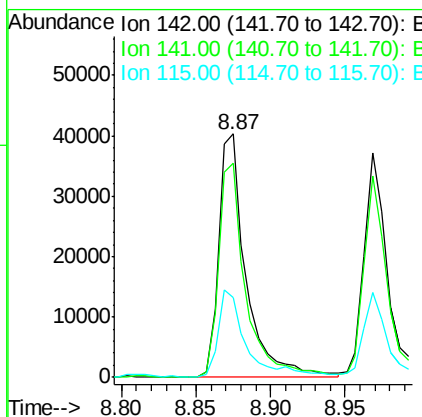
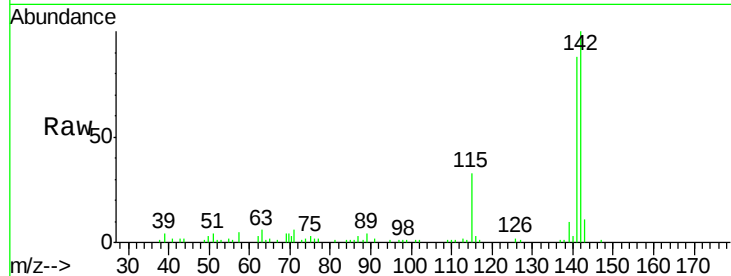
#37
2-Methylnaphthalene
Concen: 3.181 ng
RT: 8.87 min Scan# 1154
Delta R.T. 0.01 min
Lab File: BF103450.D
Acq: 6 Mar 2018 12:43

Instrument :
BNA_F
ClientSampled :
SP-39

Tot Ion	Ratio	Lower	Upper
142	100		
141	88.0	70.8	106.2
115	32.7	26.1	39.1

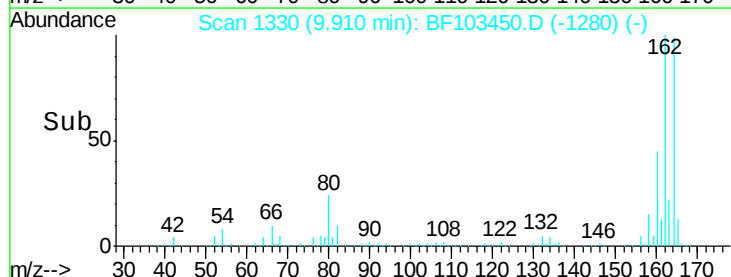
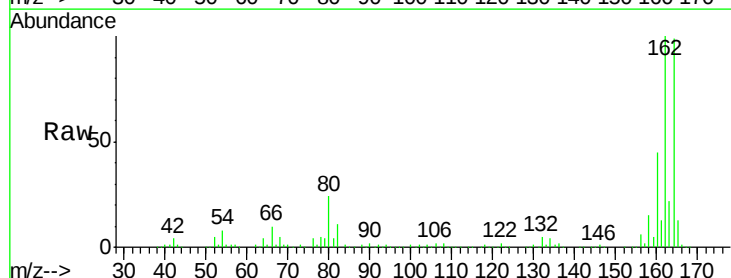
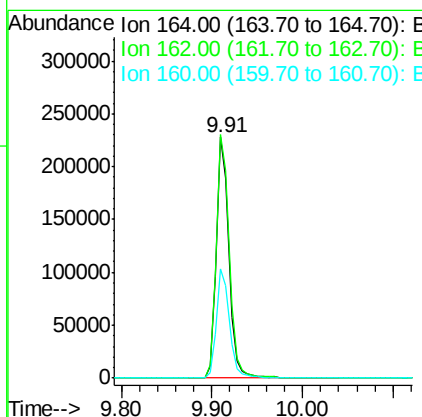
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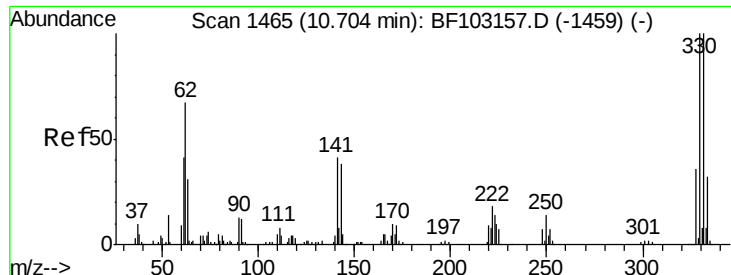
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#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.91 min Scan# 1330
Delta R.T. -0.01 min
Lab File: BF103450.D
Acq: 6 Mar 2018 12:43

Tgt Ion	Ratio	Lower	Upper
164	100		
162	101.1	86.1	129.1
160	45.1	38.3	57.5





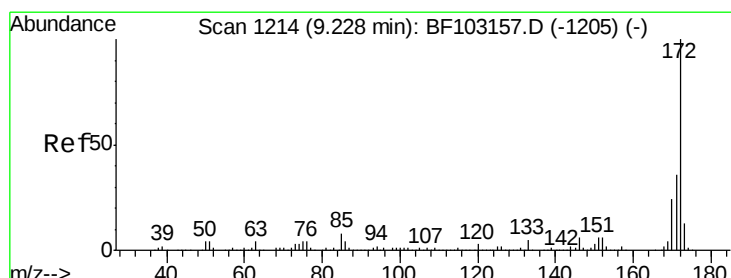
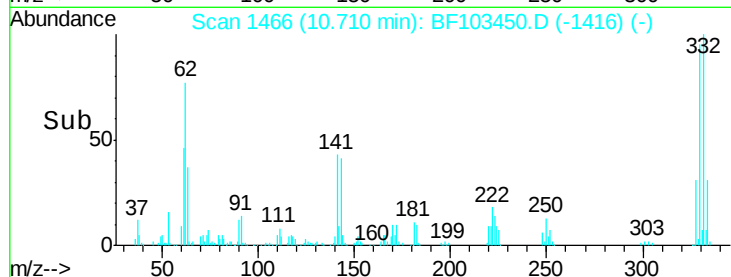
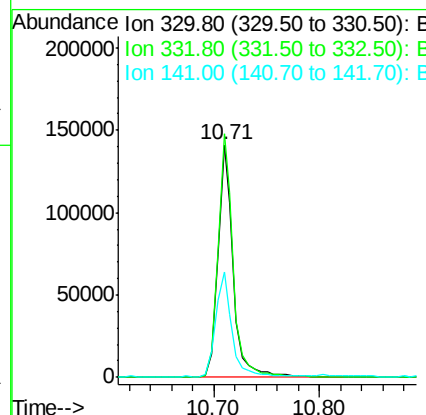
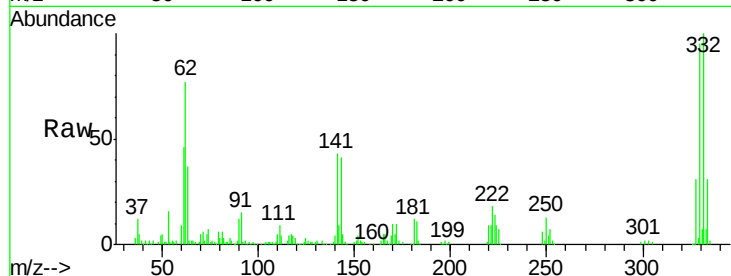
#41
 2,4,6-Tribromophenol
 Concen: 77.769 ng
 RT: 10.71 min Scan# 1466
 Delta R.T. -0.01 min
 Lab File: BF103450.D
 Acq: 6 Mar 2018 12:43

Instrument :
 BNA_F
 ClientSampled :
 SP-39

Tot Ion	Ratio	Lower	Upper
330	100		
332	104.9	77.0	115.6
141	47.6	29.9	44.9

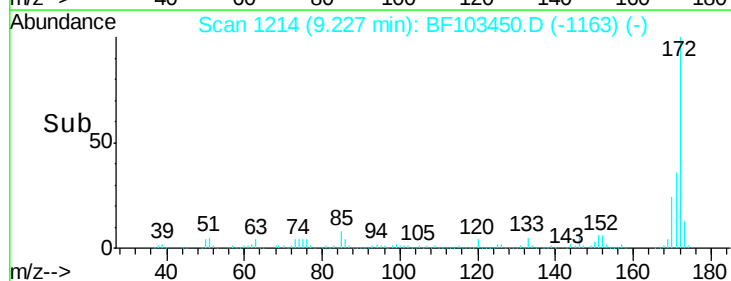
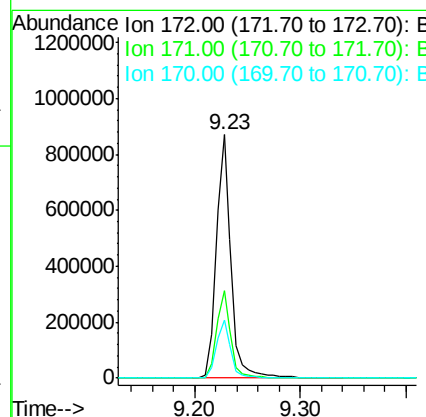
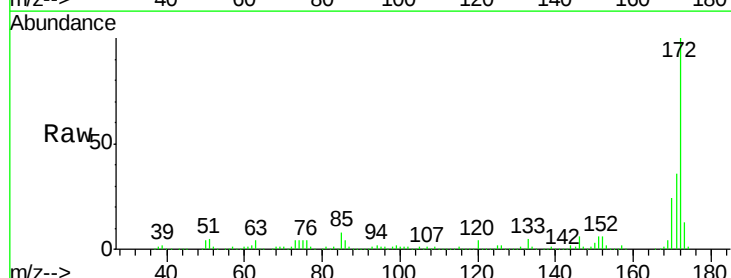
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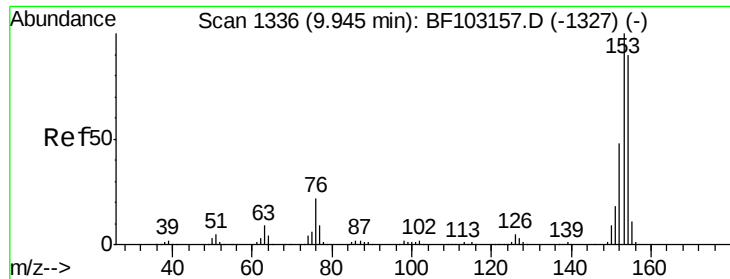
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#44
 2-Fluorobiphenyl
 Concen: 62.011 ng
 RT: 9.23 min Scan# 1214
 Delta R.T. -0.00 min
 Lab File: BF103450.D
 Acq: 6 Mar 2018 12:43

Tgt Ion	Ratio	Lower	Upper
172	100		
171	35.7	29.7	44.5
170	23.7	19.6	29.4





#51

Acenaphthene

Concen: 6.275 ng

RT: 9.95 min Scan# 1336

Delta R.T. -0.01 min

Lab File: BF103450.D

Acq: 6 Mar 2018 12:43

Instrument :

BNA_F

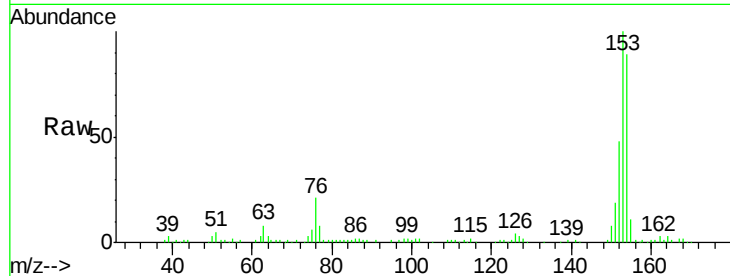
ClientSampled :

SP-39

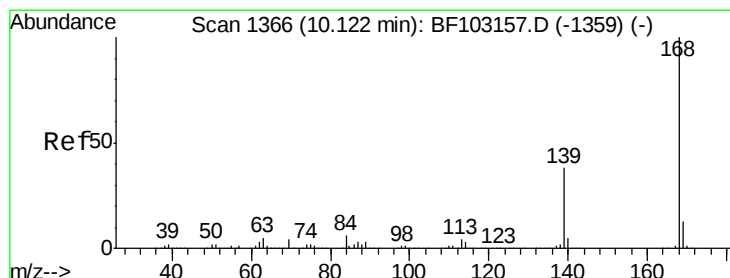
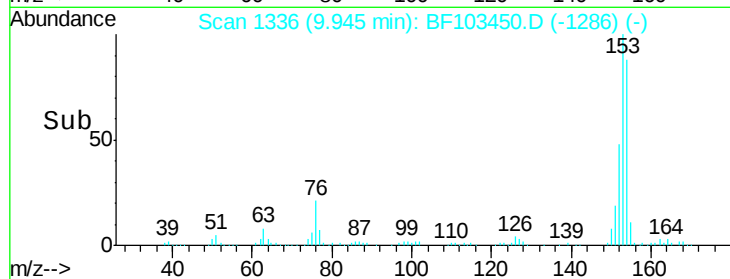
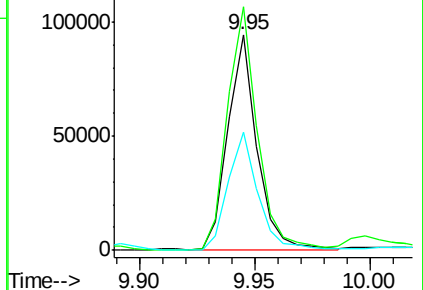
Tot Ion:	154	Resp:	82490
Ion Ratio	Lower	Upper	
154	100		
153	112.8	91.2	136.8
152	54.5	43.8	65.8

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



#54

Dibenzofuran

Concen: 5.507 ng

RT: 10.12 min Scan# 1366

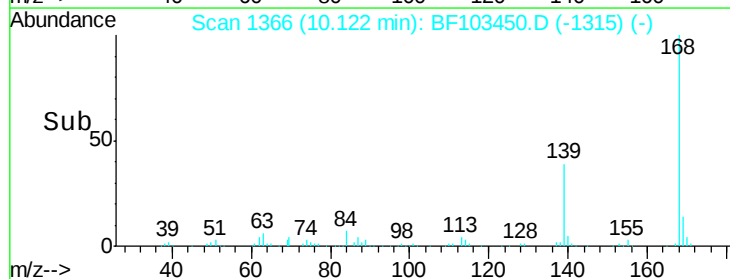
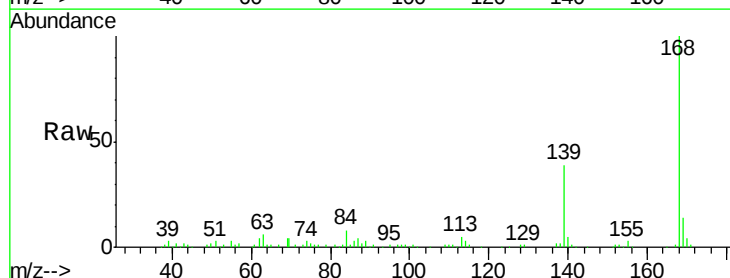
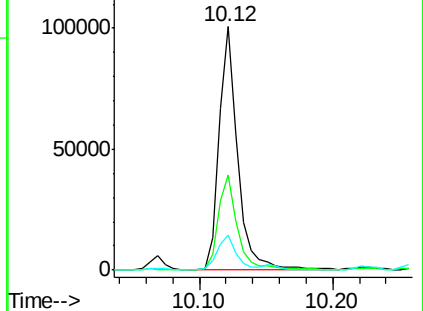
Delta R.T. -0.00 min

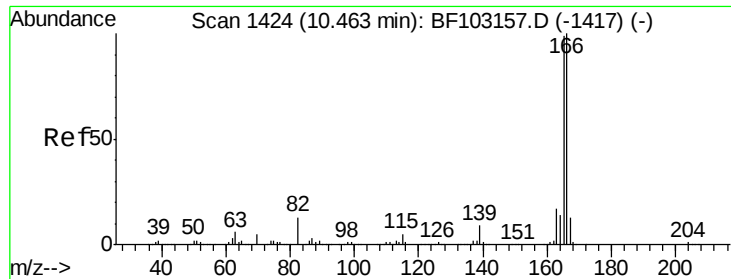
Lab File: BF103450.D

Acq: 6 Mar 2018 12:43

Tgt Ion:	168	Resp:	99382
Ion Ratio	Lower	Upper	
168	100		
139	39.2	30.1	45.1
169	14.1	10.9	16.3

Abundance Ion 168.00 (167.70 to 168.70): E
Ion 139.00 (138.70 to 139.70): E
Ion 169.00 (168.70 to 169.70): E





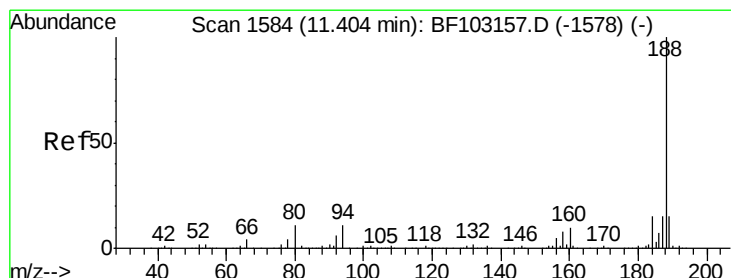
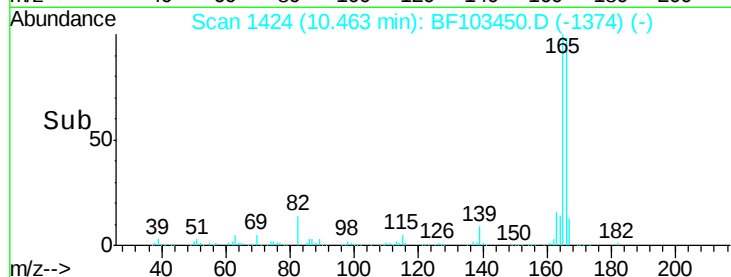
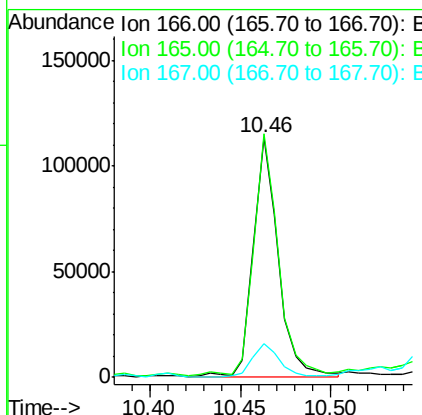
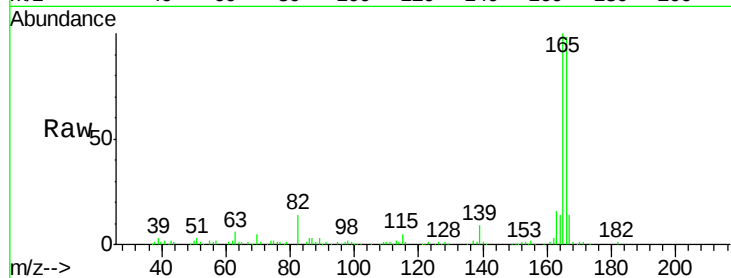
#57
Fluorene
 Concen: 7.008 ng
 RT: 10.46 min Scan# 1424
 Delta R.T. -0.01 min
 Lab File: BF103450.D
 Acq: 6 Mar 2018 12:43

Instrument :
 BNA_F
 ClientSampleId :
 SP-39

Tot Ion	Ion	Ratio	Resp	Lower	Upper
166	100				
165	101.7	79.8	119.8		
167	14.3	10.6	16.0		

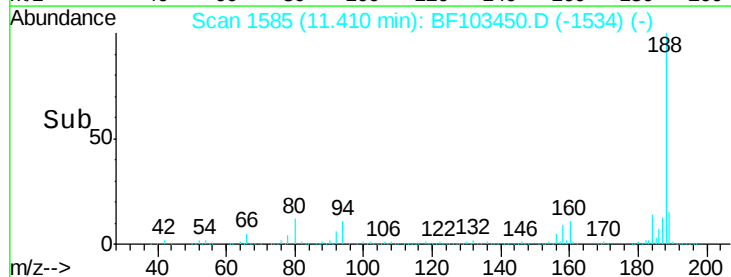
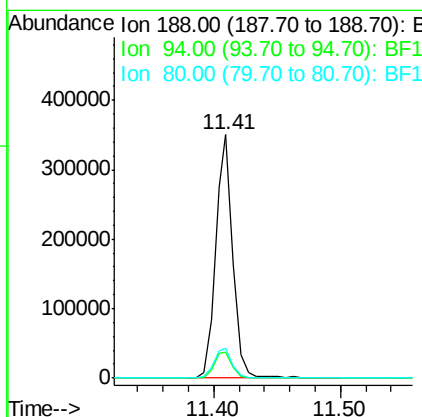
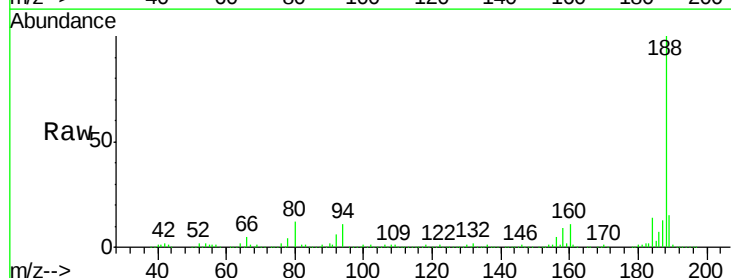
Manual Integrations
 APPROVED

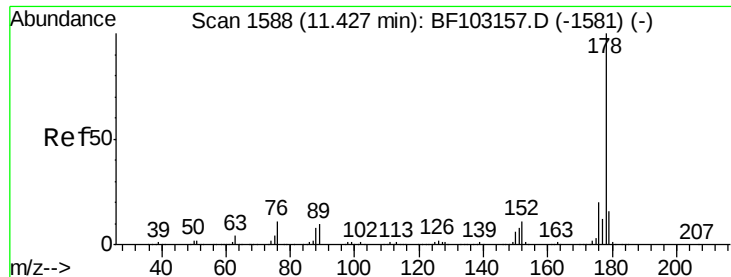
Sohil
 3/7/2018 12:14:45 PM



#63
Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.41 min Scan# 1585
 Delta R.T. -0.00 min
 Lab File: BF103450.D
 Acq: 6 Mar 2018 12:43

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
188	100				
94	10.7	8.5	12.7		
80	12.2	9.2	13.8		





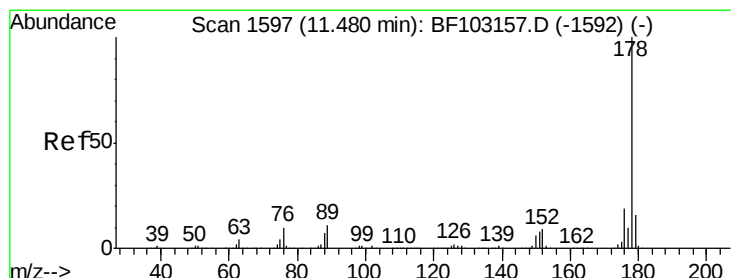
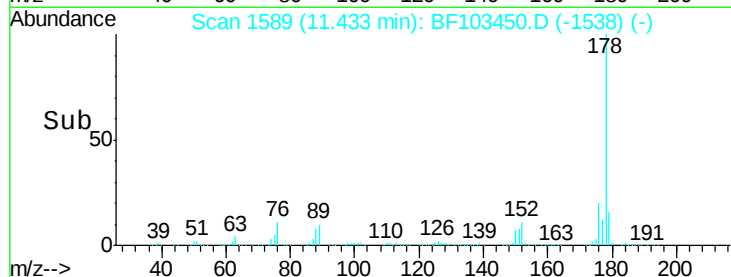
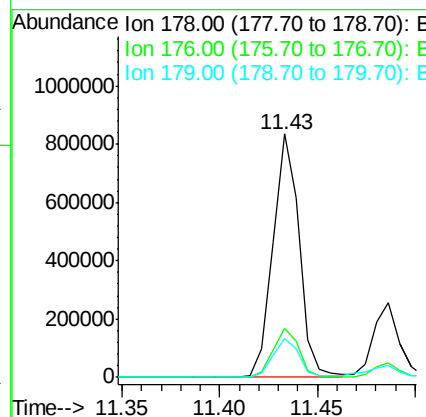
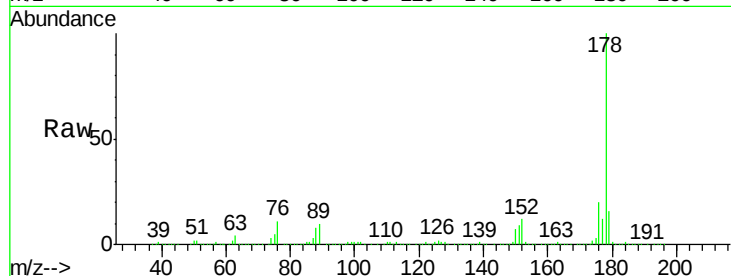
#70
Phenanthrene
Concen: 42.702 ng
RT: 11.43 min Scan# 1589
Delta R.T. -0.00 min
Lab File: BF103450.D
Acq: 6 Mar 2018 12:43

Instrument :
BNA_F
ClientSampled :
SP-39

Tot Ion	Ratio	Lower	Upper
178	100		
176	20.4	15.8	23.8
179	16.0	13.0	19.6

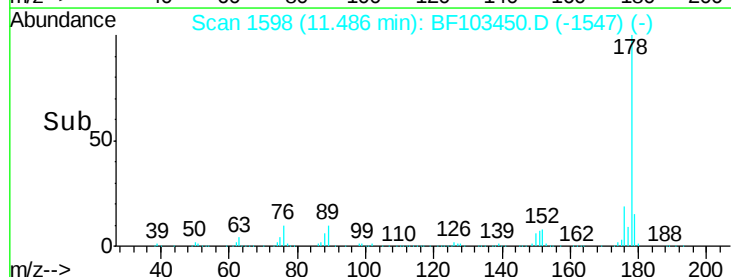
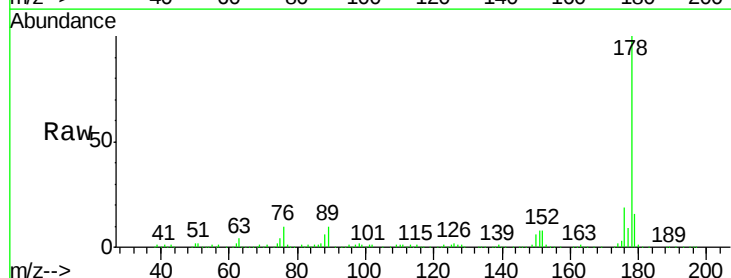
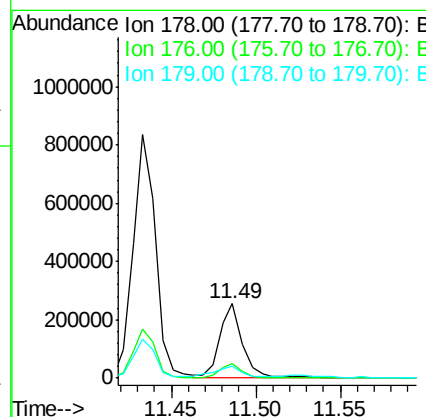
Manual Integrations
APPROVED

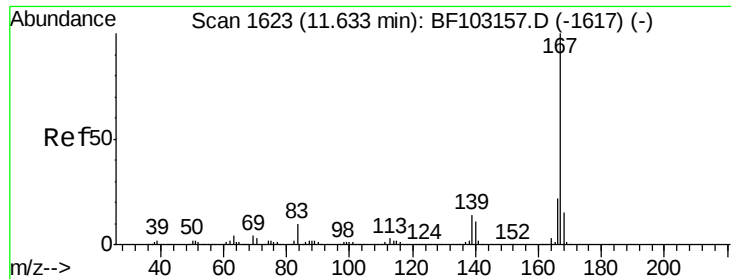
Sohil
3/7/2018 12:14:45 PM



#71
Anthracene
Concen: 12.988 ng
RT: 11.49 min Scan# 1598
Delta R.T. -0.00 min
Lab File: BF103450.D
Acq: 6 Mar 2018 12:43

Tgt Ion	Ratio	Lower	Upper
178	100		
176	18.7	15.4	23.2
179	15.6	12.6	19.0





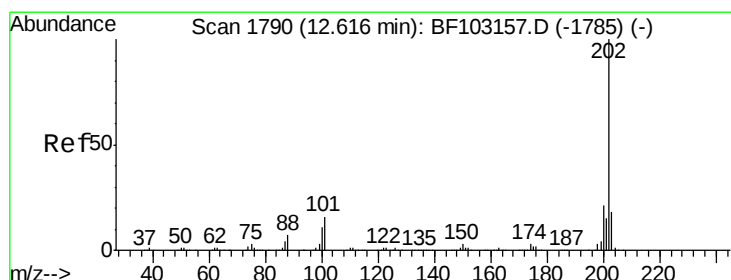
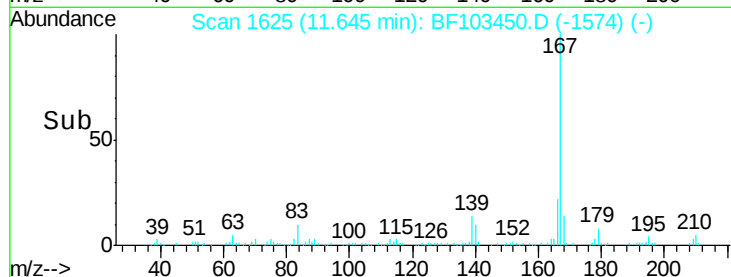
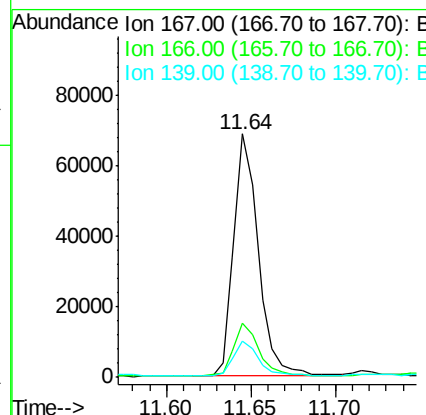
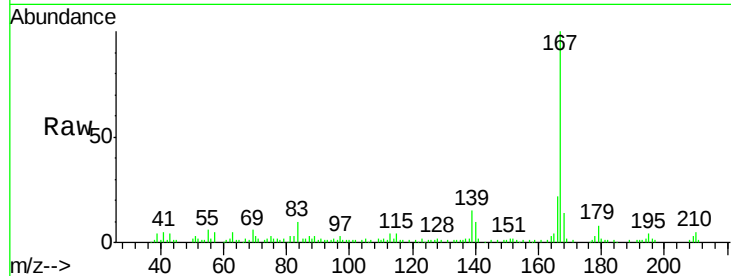
#72
 Carbazole
 Concen: 3.771 ng
 RT: 11.64 min Scan# 1625
 Delta R.T. -0.00 min
 Lab File: BF103450.D
 Acq: 6 Mar 2018 12:43

Instrument :
 BNA_F
 ClientSampleId :
 SP-39

Tot Ion	Ratio	Lower	Upper
167	100		
166	22.3	17.6	26.4
139	14.7	10.9	16.3

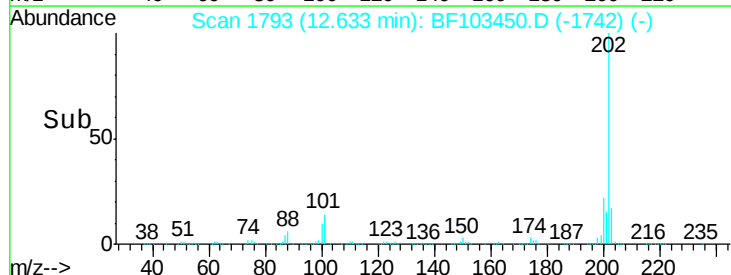
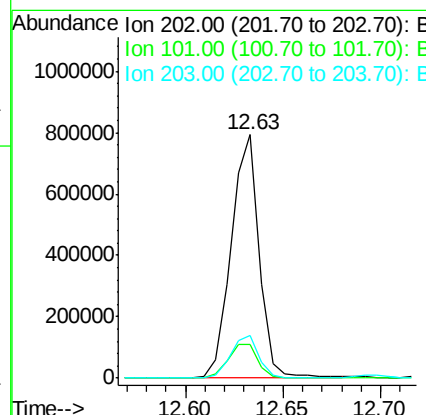
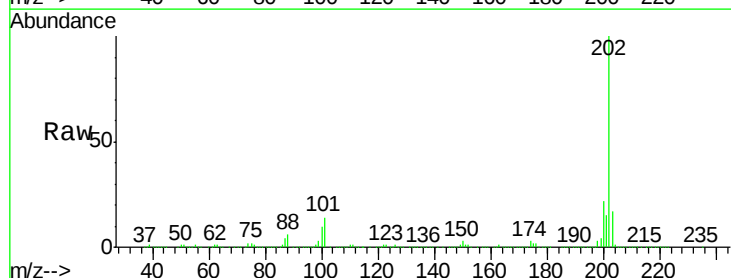
Manual Integrations
 APPROVED

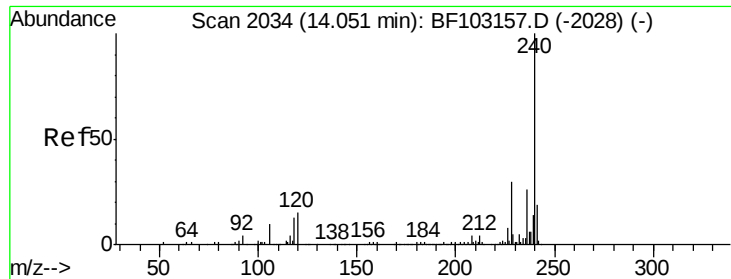
Sohil
 3/7/2018 12:14:45 PM



#74
 Fluoranthene
 Concen: 42.866 ng
 RT: 12.63 min Scan# 1793
 Delta R.T. -0.00 min
 Lab File: BF103450.D
 Acq: 6 Mar 2018 12:43

Tgt Ion	Ratio	Lower	Upper
202	100		
101	13.7	0.0	34.1
203	17.3	0.0	38.1





#75

Chrysene-d12

Concen: 20.000 ng

RT: 14.07 min Scan# 2037

Delta R.T. -0.00 min

Lab File: BF103450.D

Acq: 6 Mar 2018 12:43

Instrument :

BNA_F

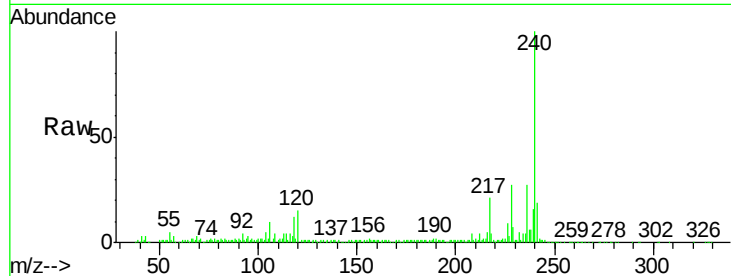
ClientSampleId :

SP-39

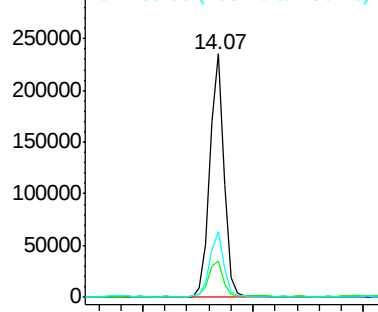
Tot Ion	Ratio	Lower	Upper
240	100		
120	14.9	9.5	14.3#
236	26.9	20.7	31.1

Manual Integrations
APPROVED

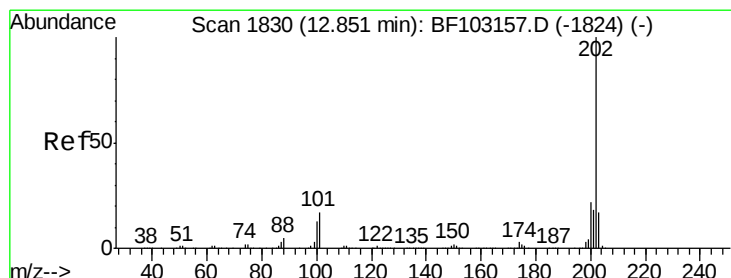
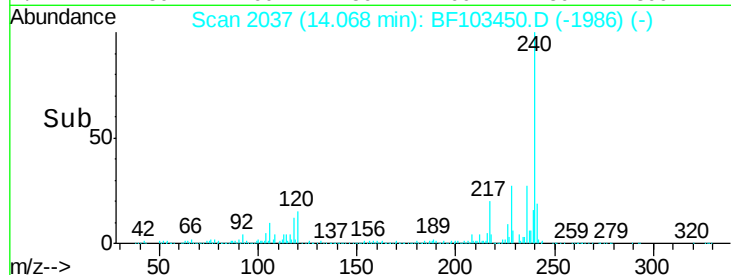
Sohil
3/7/2018 12:14:45 PM



Abundance Ion 240.00 (239.70 to 240.70): E
Ion 120.00 (119.70 to 120.70): E
Ion 236.00 (235.70 to 236.70): E



Time-->



#77

Pyrene

Concen: 41.997 ng

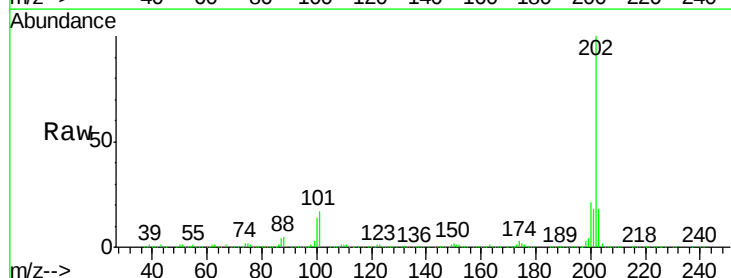
RT: 12.86 min Scan# 1832

Delta R.T. -0.00 min

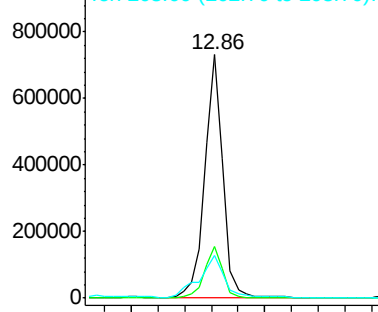
Lab File: BF103450.D

Acq: 6 Mar 2018 12:43

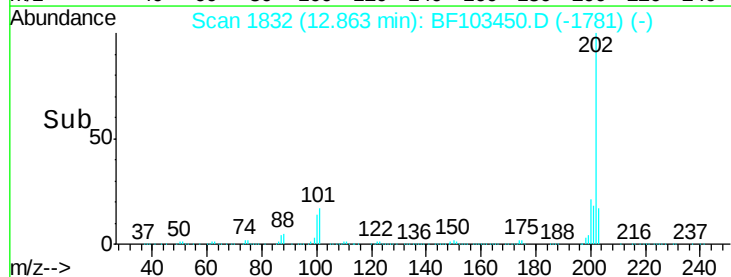
Tgt Ion	Ratio	Lower	Upper
202	100		
200	21.2	17.4	26.2
203	17.6	14.3	21.5

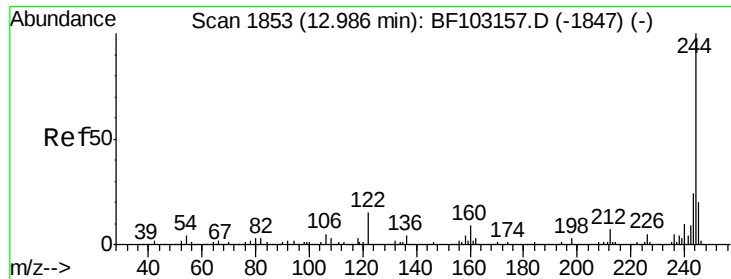


Abundance Ion 202.00 (201.70 to 202.70): E
Ion 200.00 (199.70 to 200.70): E
Ion 203.00 (202.70 to 203.70): E



Time-->





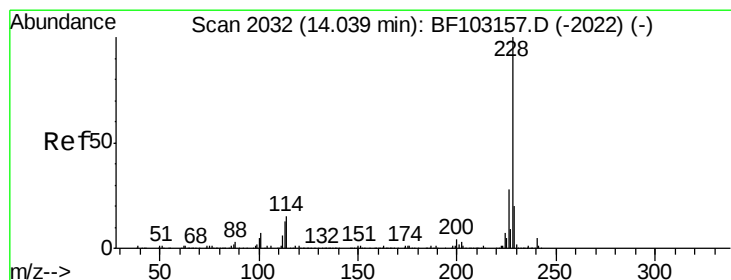
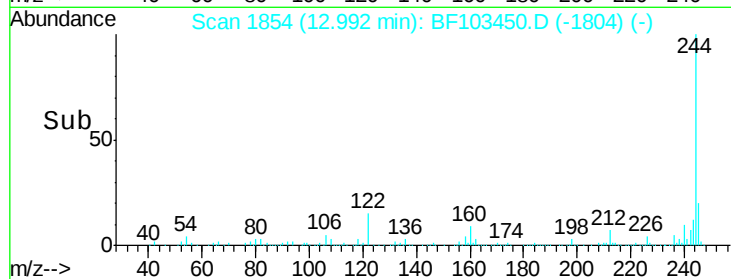
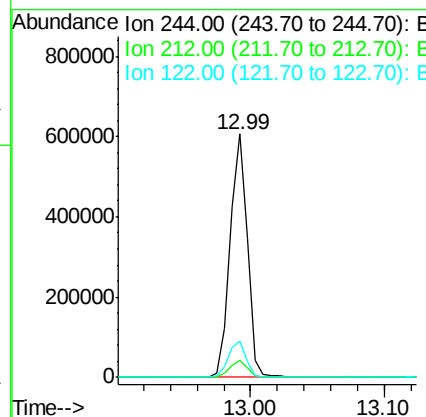
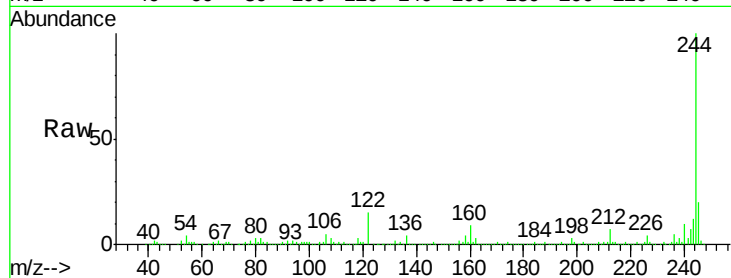
#78
 Terphenyl-d14
 Concen: 62.799 ng
 RT: 12.99 min Scan# 1854
 Delta R.T. -0.01 min
 Lab File: BF103450.D
 Acq: 6 Mar 2018 12:43

Instrument :
 BNA_F
 ClientSampleId :
 SP-39

Tot Ion	Ratio	Lower	Upper
244	100		
212	7.1	5.4	8.0
122	15.0	11.0	16.4

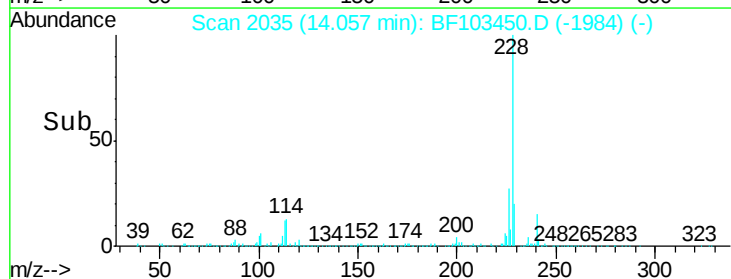
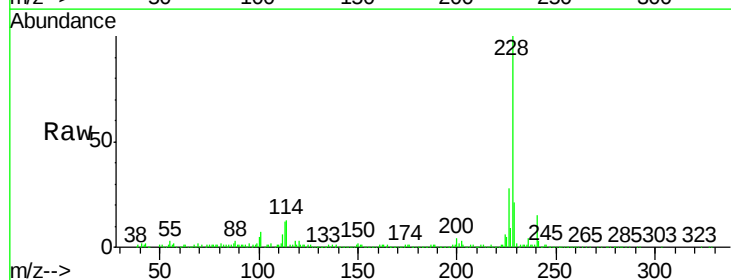
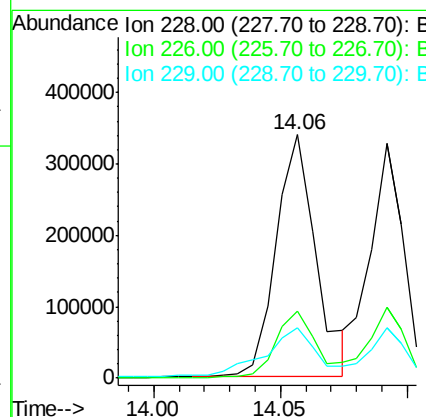
Manual Integrations
 APPROVED

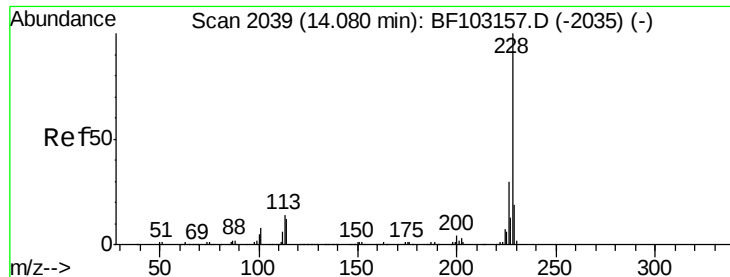
Sohil
 3/7/2018 12:14:45 PM



#80
 Benzo(a)anthracene
 Concen: 26.720 ng
 RT: 14.06 min Scan# 2035
 Delta R.T. -0.00 min
 Lab File: BF103450.D
 Acq: 6 Mar 2018 12:43

Tgt Ion	Ratio	Lower	Upper
228	100		
226	27.7	22.6	33.8
229	20.6	15.8	23.6





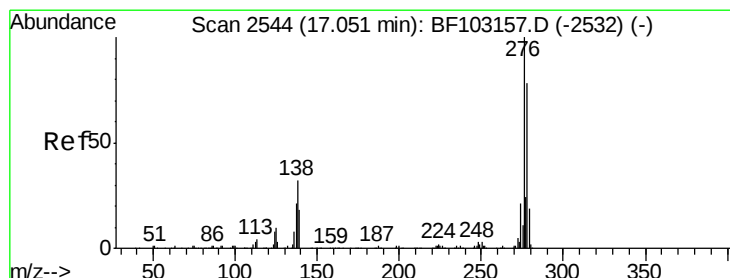
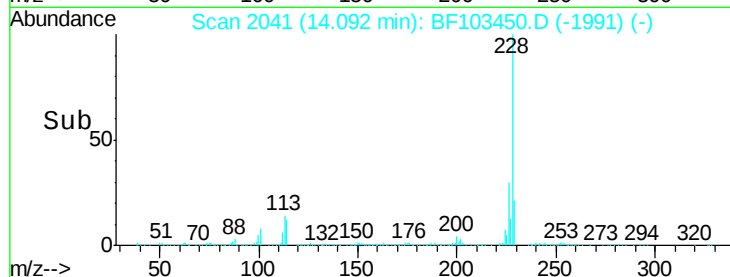
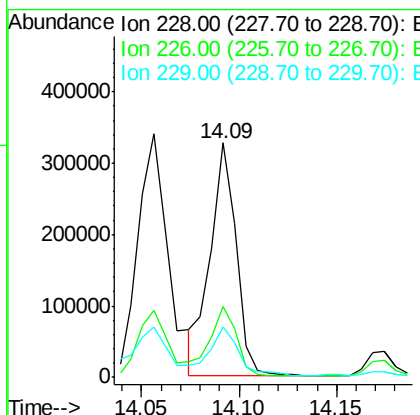
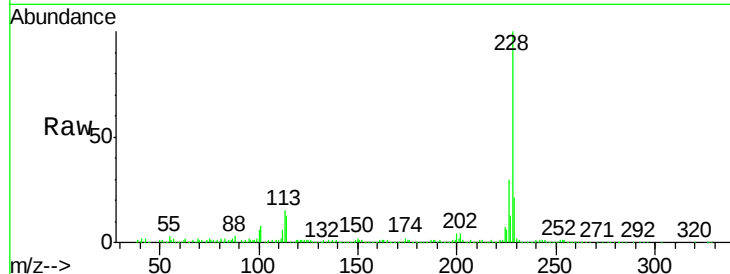
#82
Chrysene
Concen: 22.693 ng
RT: 14.09 min Scan# 2041
Delta R.T. -0.01 min
Lab File: BF103450.D
Acq: 6 Mar 2018 12:43

Instrument :
BNA_F
ClientSampled :
SP-39

Tot Ion	Ratio	Lower	Upper
228	100		
226	30.2	25.0	37.6
229	21.5	16.2	24.4

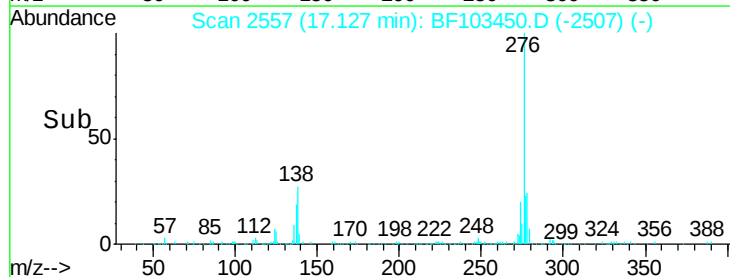
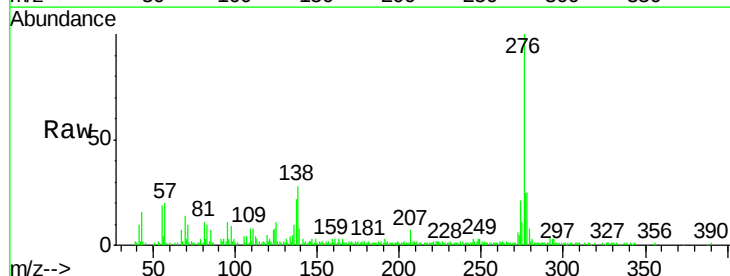
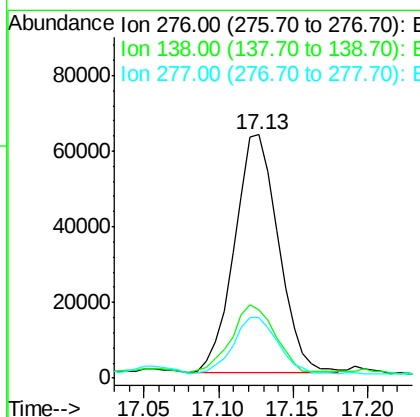
Manual Integrations
APPROVED

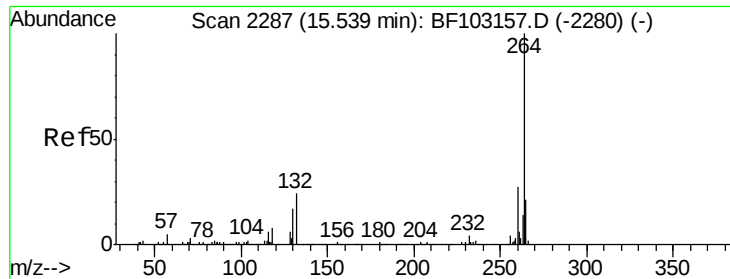
Sohil
3/7/2018 12:14:45 PM



#85
Indeno(1,2,3-cd)pyrene
Concen: 12.227 ng
RT: 17.13 min Scan# 2557
Delta R.T. -0.01 min
Lab File: BF103450.D
Acq: 6 Mar 2018 12:43

Tgt Ion	Ratio	Lower	Upper
276	100		
138	29.2	25.0	37.6
277	24.5	20.1	30.1





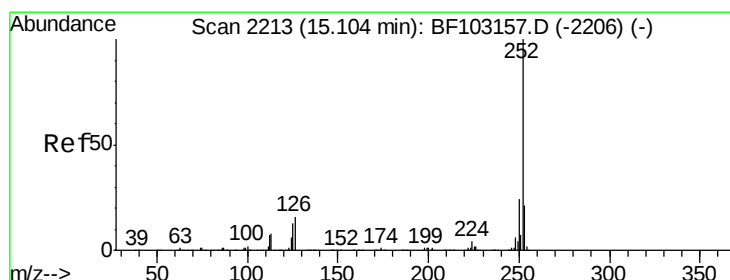
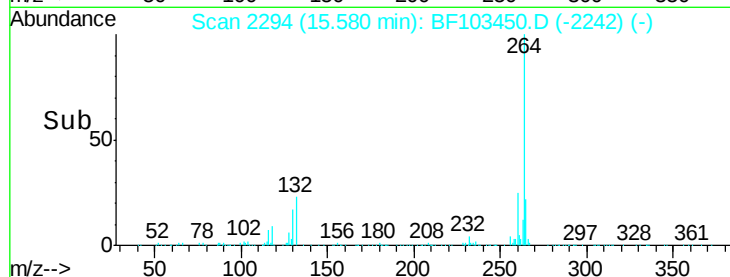
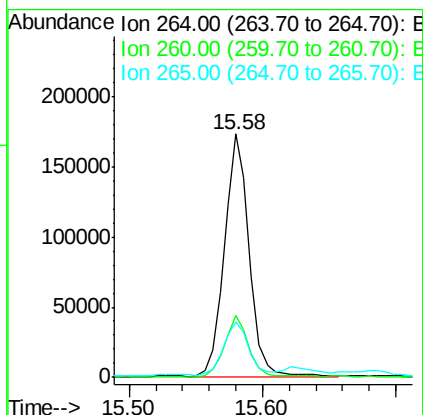
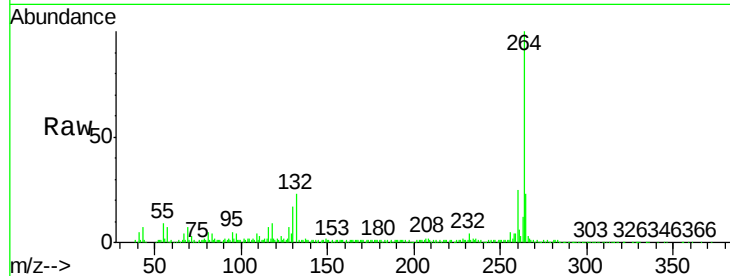
#86
Pervlene-d12
Concen: 20.000 ng
RT: 15.58 min Scan# 2294
Delta R.T. 0.01 min
Lab File: BF103450.D
Acq: 6 Mar 2018 12:43

Instrument :
BNA_F
ClientSampleId :
SP-39

Tot Ion	Ratio	Resp	Lower	Upper
264	100	224117		
260	25.2	19.2	28.8	
265	22.7	17.5	26.3	

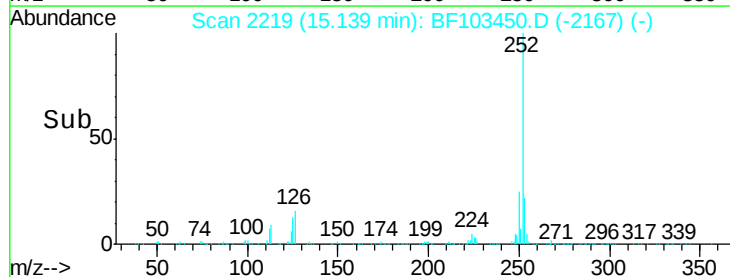
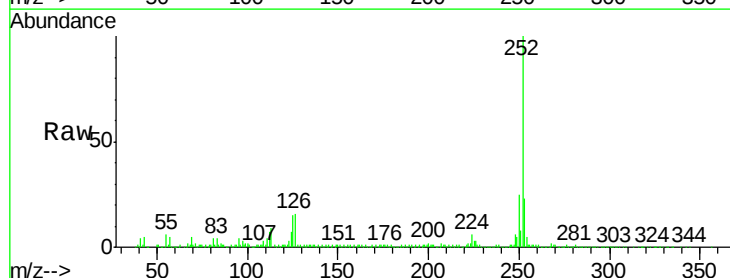
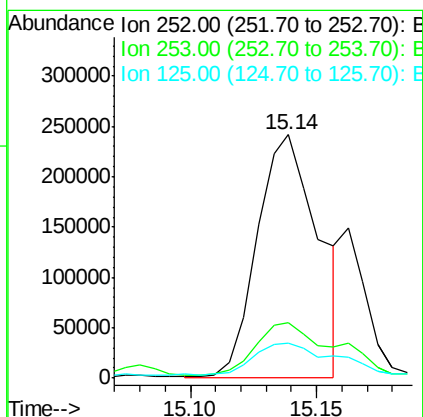
Manual Integrations
APPROVED

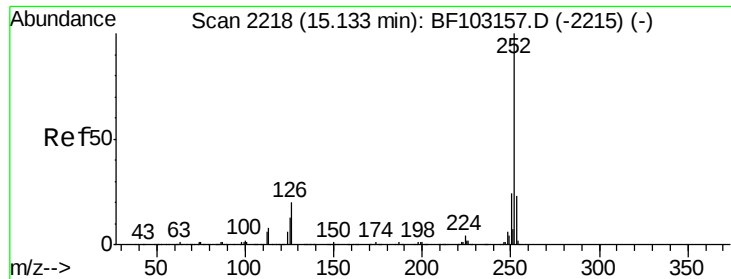
Sohil
3/7/2018 12:14:45 PM



#87
Benzo(b)fluoranthene
Concen: 27.700 ng m
RT: 15.14 min Scan# 2219
Delta R.T. 0.01 min
Lab File: BF103450.D
Acq: 6 Mar 2018 12:43

Tgt Ion	Ratio	Resp	Lower	Upper
252	100	408168		
253	22.7	17.0	25.6	
125	14.6	9.0	13.6	





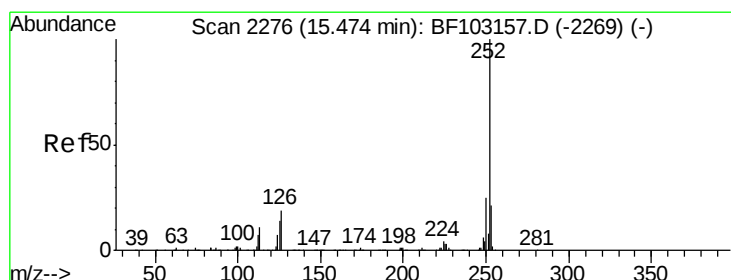
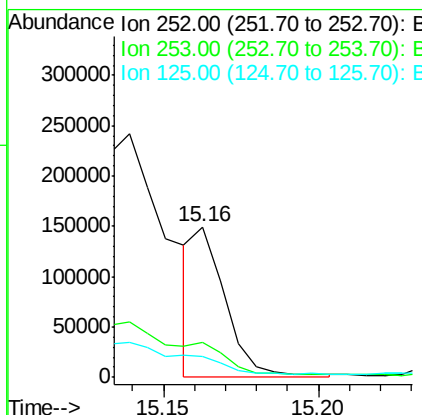
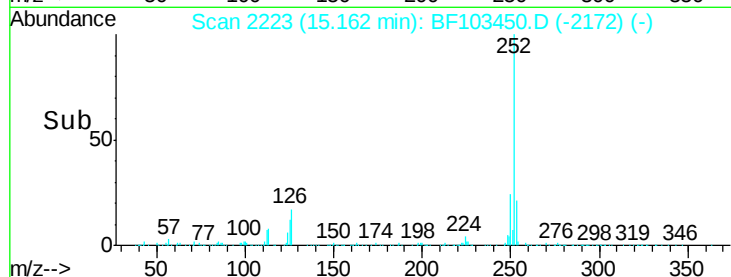
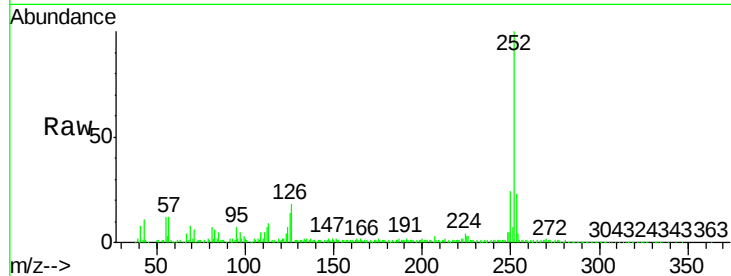
#88
Benzo(k)fluoranthene
Concen: 7.718 ng m
RT: 15.16 min Scan# 2223
Delta R.T. -0.00 min
Lab File: BF103450.D
Acq: 6 Mar 2018 12:43

Instrument :
BNA_F
ClientSampleId :
SP-39

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.3	17.9	26.9
125	14.1	10.2	15.2

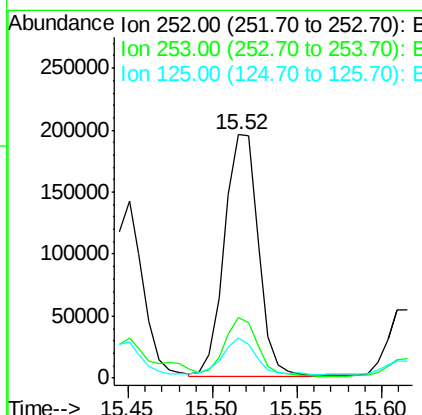
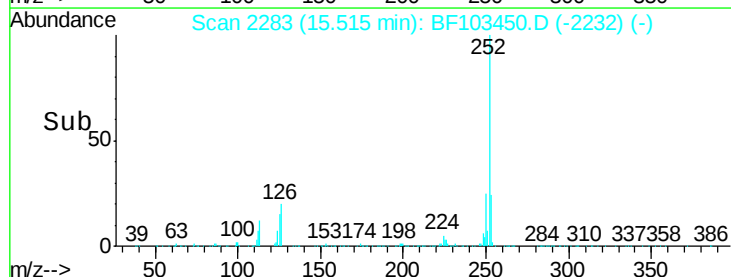
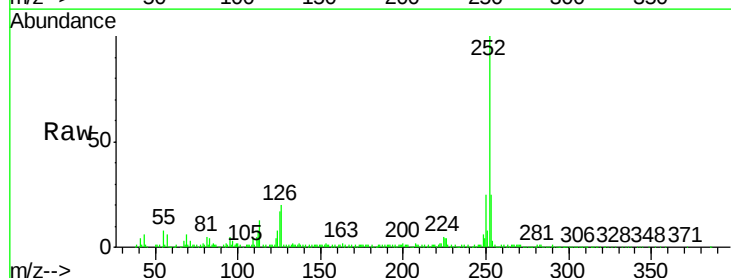
Manual Integrations
APPROVED

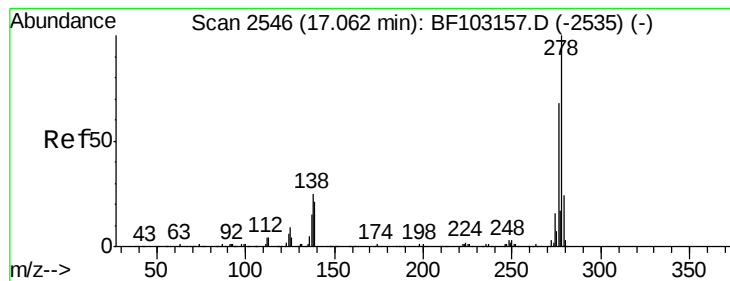
Sohil
3/7/2018 12:14:45 PM



#89
Benzo(a)pyrene
Concen: 20.854 ng
RT: 15.52 min Scan# 2283
Delta R.T. -0.00 min
Lab File: BF103450.D
Acq: 6 Mar 2018 12:43

Tgt Ion	Ratio	Lower	Upper
252	100		
253	24.7	17.1	25.7
125	16.7	9.8	14.6





#90

Dibenzo(a,h)anthracene

Concen: 3.442 ng

RT: 17.12 min Scan# 2556

Delta R.T. -0.01 min

Lab File: BF103450.D

Acq: 6 Mar 2018 12:43

Instrument :

BNA_F

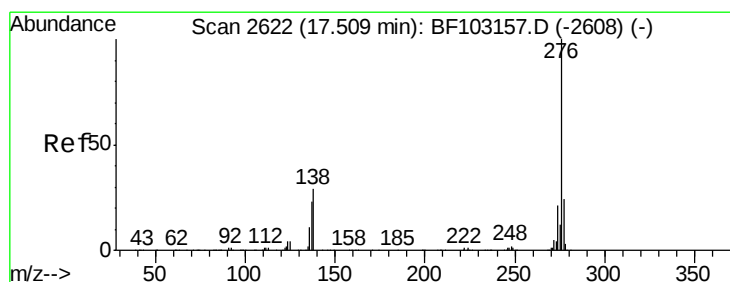
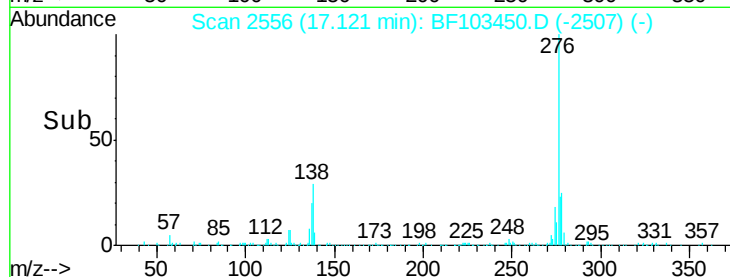
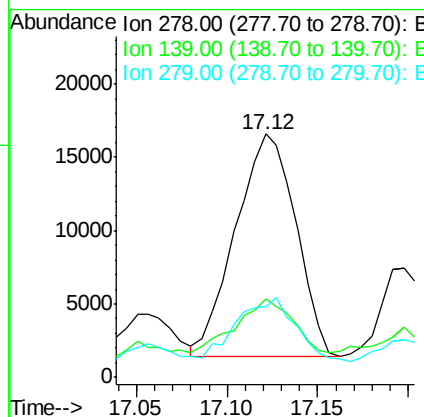
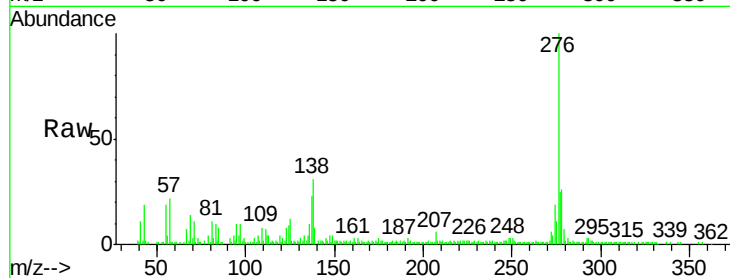
ClientSampled :

SP-39

Tot Ion:	278	Resp:	35000
Ion Ratio	Lower	Upper	
278	100		
139	32.2	15.9	23.9#
279	28.8	19.0	28.4#

Manual Integrations
APPROVED

Sohil
3/7/2018 12:14:45 PM



#91

Benzo(g,h,i)perylene

Concen: 11.522 ng

RT: 17.60 min Scan# 2637

Delta R.T. -0.00 min

Lab File: BF103450.D

Acq: 6 Mar 2018 12:43

Tgt Ion:	276	Resp:	114496
Ion Ratio	Lower	Upper	
276	100		
277	26.8	17.9	26.9
138	29.9	21.8	32.8

