

Data Path : \\74.0.250.170\SV0ASRV\HPCHEM1\BNA F\DATA\BF030518\
 Data File : BF103427.D
 Acq On : 5 Mar 2018 23:35
 Operator : SJ/JU
 Sample : J1723-17
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SP-39

Manual Integrations
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 3/6/2018 4:23:43 PM

Quant Time: Mar 06 01:22:58 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	126709	20.00	ng	0.00
21) Naphthalene-d8	8.16	136	506023	20.00	ng	0.00
38) Acenaphthene-d10	9.92	164	201386	20.00	ng	0.00
63) Phenanthrene-d10	11.41	188	296763	20.00	ng	0.00
75) Chrysene-d12	14.07	240	176899	20.00	ng	0.00
86) Perylene-d12	15.59	264	131745	20.00	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.50	112	827122	98.73	ng	0.00
7) Phenol-d6	6.52	99	993578	96.92	ng	0.00
23) Nitrobenzene-d5	7.44	82	586868	66.23	ng	0.00
41) 2,4,6-Tribromophenol	10.72	330	119154	69.90	ng	0.00
44) 2-Fluorobiphenyl	9.23	172	802046	64.76	ng	0.00
78) Terphenyl-d14	13.00	244	548528	74.54	ng	0.00
Target Compounds						Qvalue
31) Naphthalene	8.18	128	111582	4.504	ng	99
37) 2-Methylnaphthalene	8.87	142	50077	3.128	ng	96
51) Acenaphthene	9.95	154	75937	6.340	ng	98
54) Dibenzofuran	10.12	168	90352	5.495	ng	96
57) Fluorene	10.47	166	93173	6.652	ng	98
70) Phenanthrene	11.44	178	677789	41.501	ng	99
71) Anthracene	11.49	178	221651	13.235	ng	99
72) Carbazole	11.65	167	65763	3.943	ng	98
74) Fluoranthene	12.63	202	760497	46.339	ng	99
77) Pyrene	12.87	202	695218	50.407	ng	100
80) Benzo(a)anthracene	14.06	228	300696	26.198	ng	99
82) Chrysene	14.10	228	266538	23.916	ng	98
85) Indeno(1,2,3-cd)pyrene	17.13	276	83405	9.453	ng	99
87) Benzo(b)fluoranthene	15.14	252	240295m	27.741	ng	
88) Benzo(k)fluoranthene	15.16	252	80913m	9.920	ng	
89) Benzo(a)pyrene	15.52	252	165525	21.399	ng	# 92
90) Dibenzo(a,h)anthracene	17.13	278	24422	4.086	ng	# 78
91) Benzo(g,h,i)perylene	17.60	276	77665	13.295	ng	# 89

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

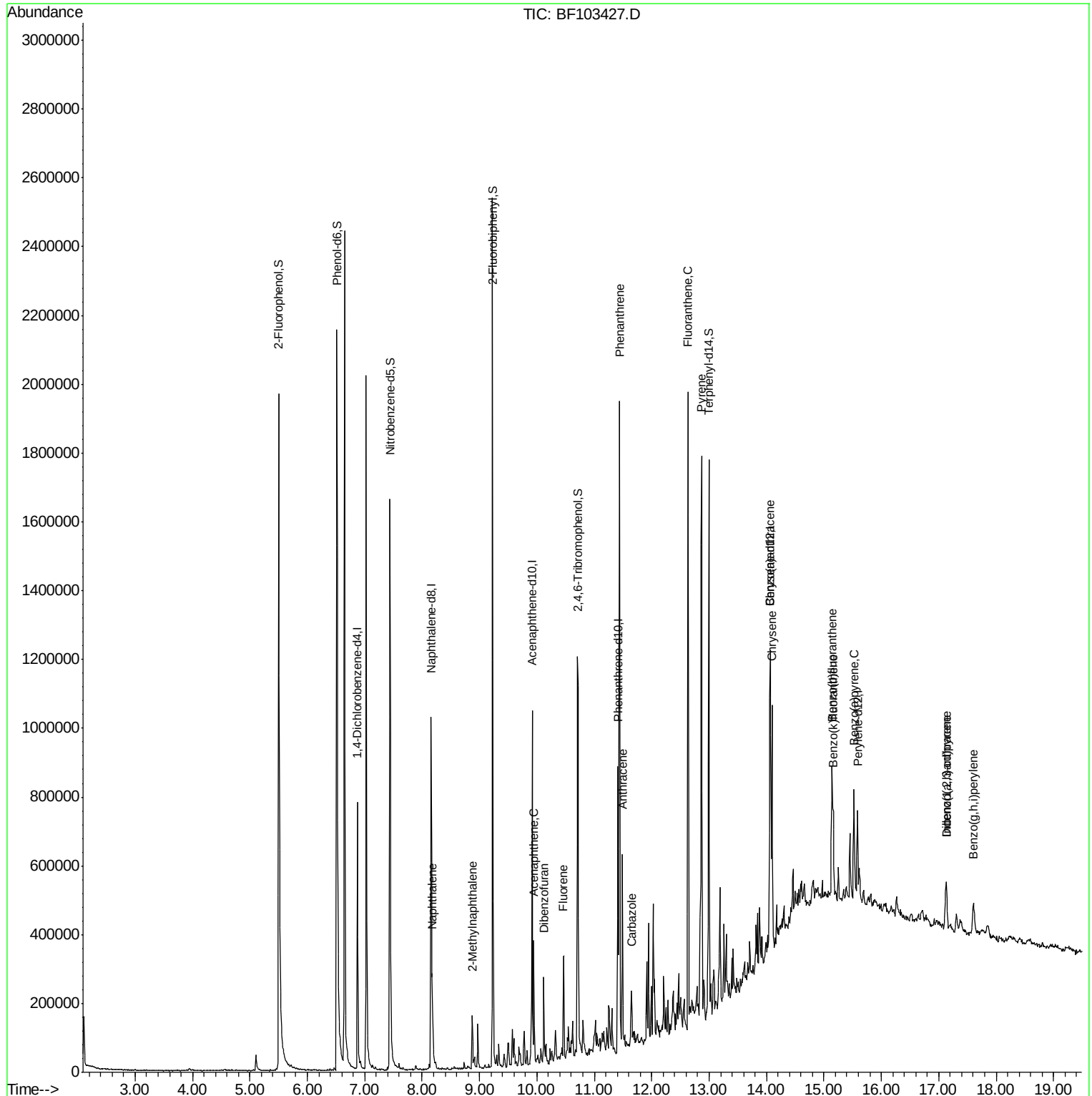
Data Path : \\74.0.250.170\SVOASRV\HPCHEM1\BNA F\DATA\BF030518\
Data File : BF103427.D
Acq On : 5 Mar 2018 23:35
Operator : SJ/JU
Sample : J1723-17
Misc :
ALS Vial : 15 Sample Multiplier: 1

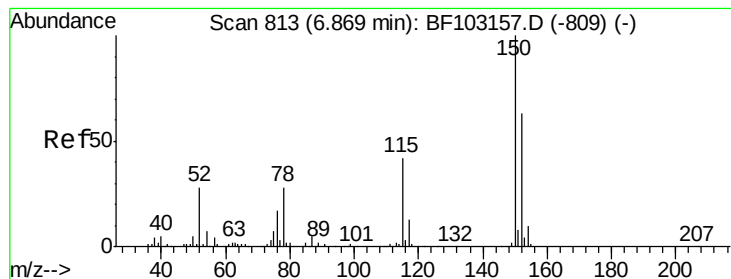
Instrument :
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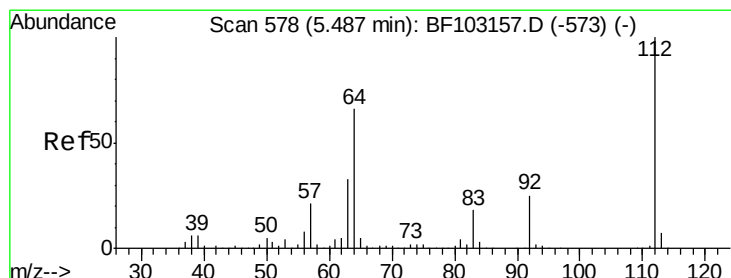
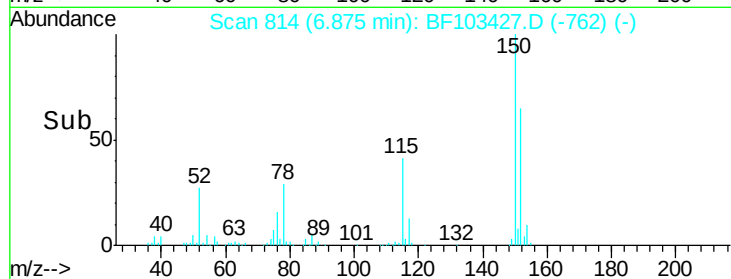
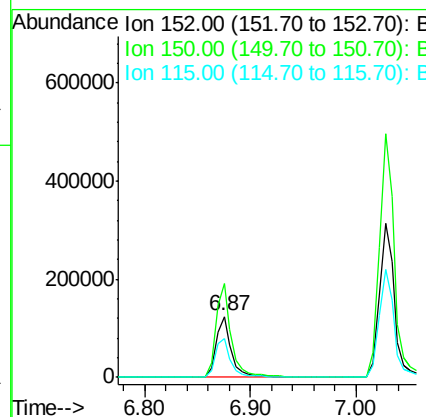
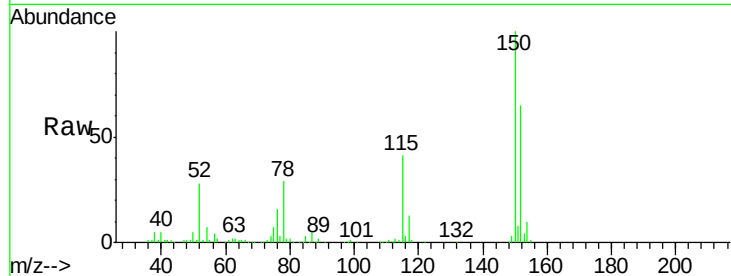
#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.87 min Scan# 814
 Delta R.T. 0.01 min
 Lab File: BF103427.D
 Acq: 5 Mar 2018 23:35

Instrument :
 BNA_F
 ClientSampled :
 SP-39

Tot Ion	Ratio	Lower	Upper
152	100		
150	153.8	124.6	186.8
115	63.0	50.1	75.1

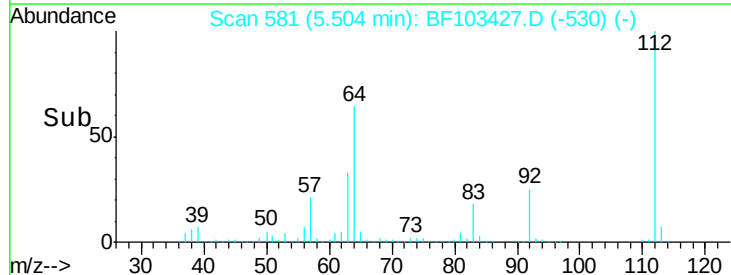
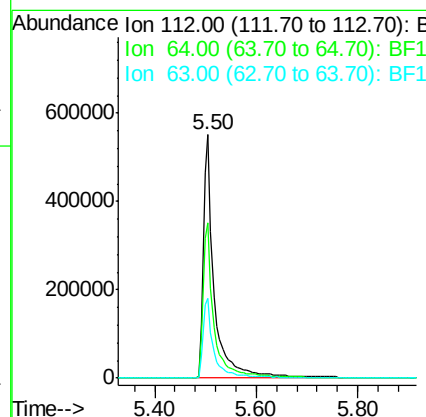
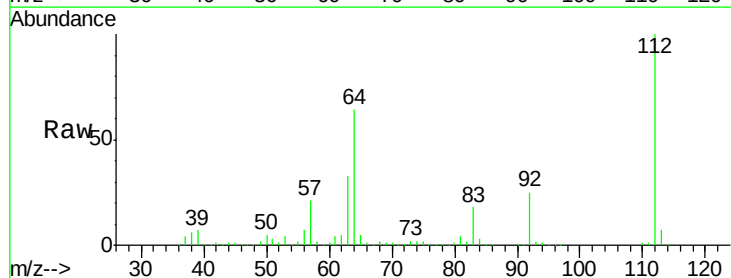
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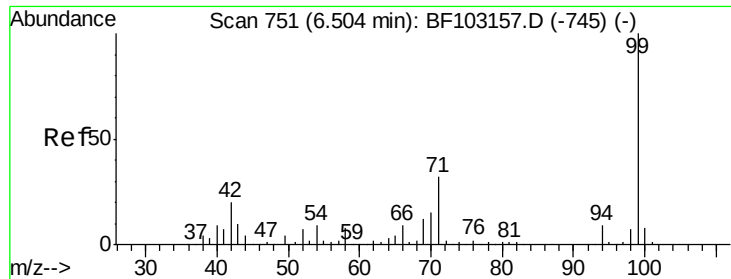
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#5
 2-Fluorophenol
 Concen: 98.727 ng
 RT: 5.50 min Scan# 581
 Delta R.T. 0.00 min
 Lab File: BF103427.D
 Acq: 5 Mar 2018 23:35

Tgt Ion	Ratio	Lower	Upper
112	100		
64	63.5	47.9	71.9
63	32.9	23.7	35.5





#7

Phenol-d6

Concen: 96.920 ng

RT: 6.52 min Scan# 753

Delta R.T. -0.01 min

Lab File: BF103427.D

Acq: 5 Mar 2018 23:35

Instrument :

BNA_F

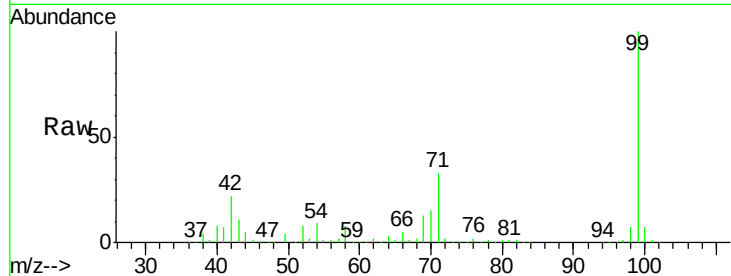
ClientSampled :

SP-39

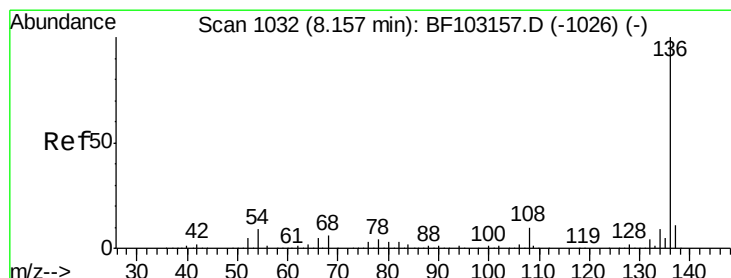
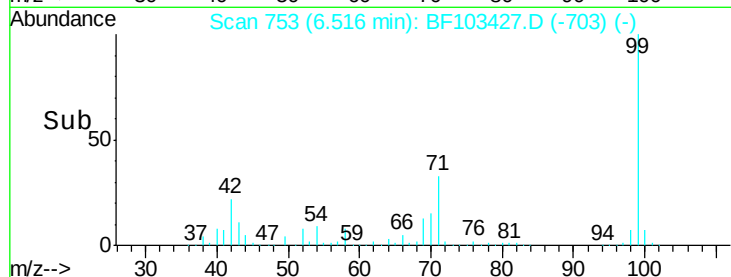
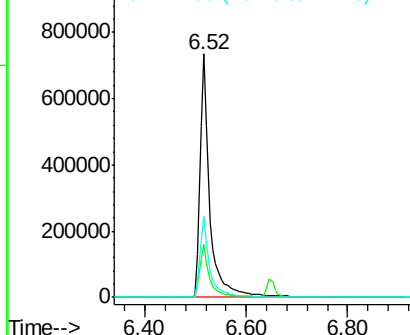
Tot Ion:	99	Resp:	993578
Ion Ratio	Lower	Upper	
99	100		
42	21.7	14.5	21.7
71	33.4	25.4	38.0

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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

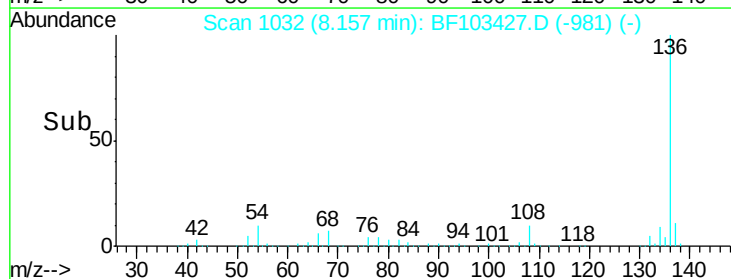
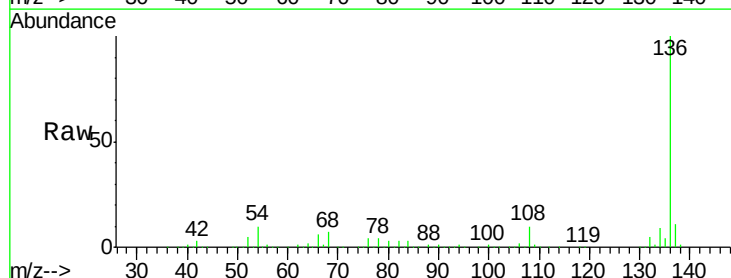
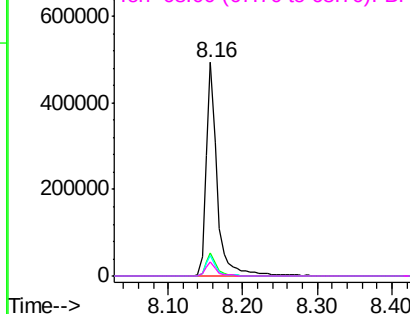
Delta R.T. 0.00 min

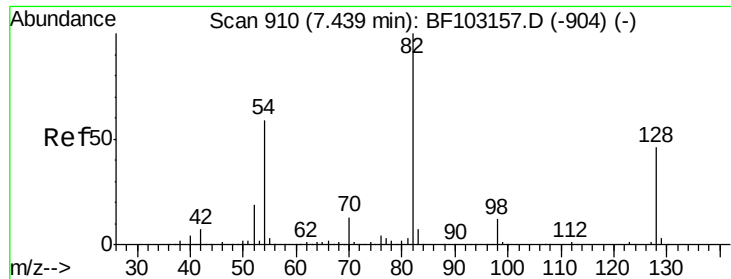
Lab File: BF103427.D

Acq: 5 Mar 2018 23:35

Tgt Ion:	136	Resp:	506023
Ion Ratio	Lower	Upper	
136	100		
137	10.8	8.9	13.3
54	9.6	6.6	9.8
68	6.7	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





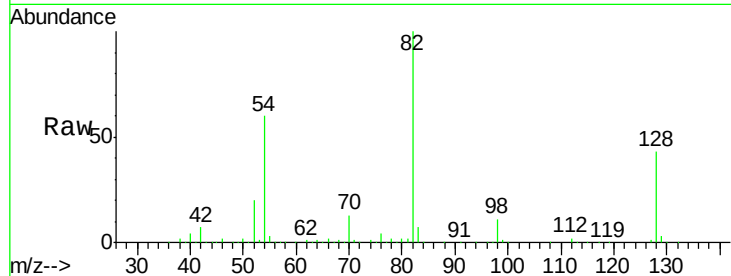
#23
Nitrobenzene-d5
Concen: 66.232 ng
RT: 7.44 min Scan# 910
Delta R.T. 0.00 min
Lab File: BF103427.D
Acq: 5 Mar 2018 23:35

Instrument :
BNA_F
ClientSampled :
SP-39

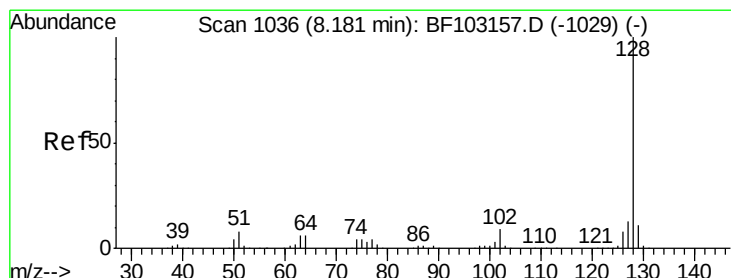
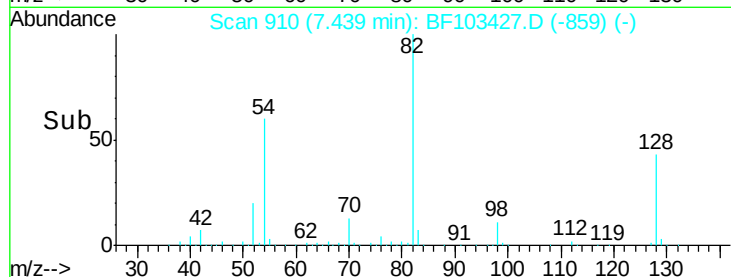
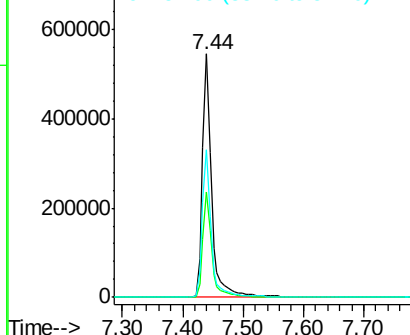
Tot Ion	Ratio	Resp	Lower	Upper
82	100			
128	43.3	36.1	54.1	
54	60.4	41.4	62.2	

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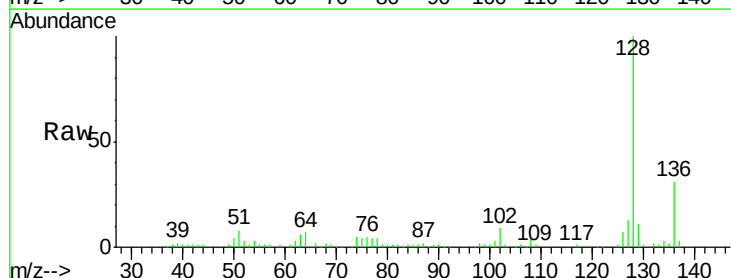


Abundance Ion 82.00 (81.70 to 82.70): BF1
Ion 128.00 (127.70 to 128.70): E
Ion 54.00 (53.70 to 54.70): BF1

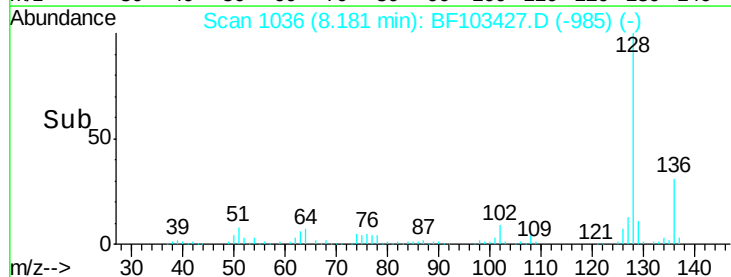
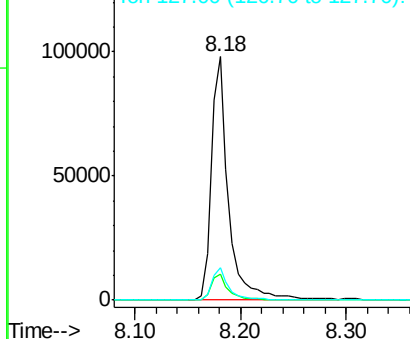


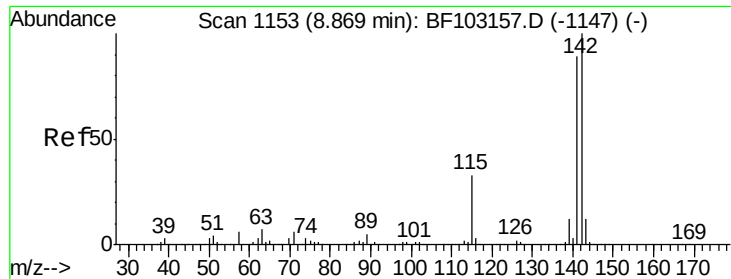
#31
Naphthalene
Concen: 4.504 ng
RT: 8.18 min Scan# 1036
Delta R.T. 0.00 min
Lab File: BF103427.D
Acq: 5 Mar 2018 23:35

Tgt Ion	Ratio	Resp	Lower	Upper
128	100			
129	10.9	8.8	13.2	
127	13.1	10.9	16.3	



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





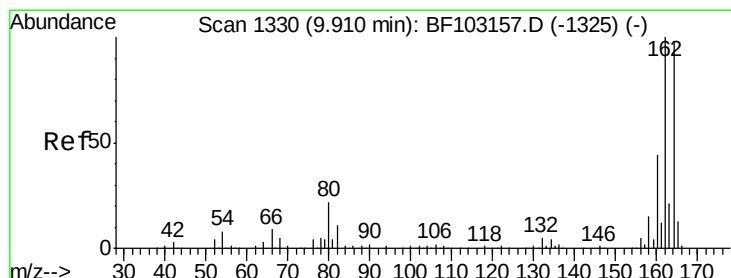
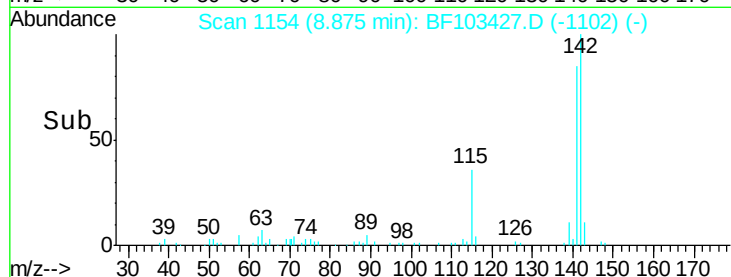
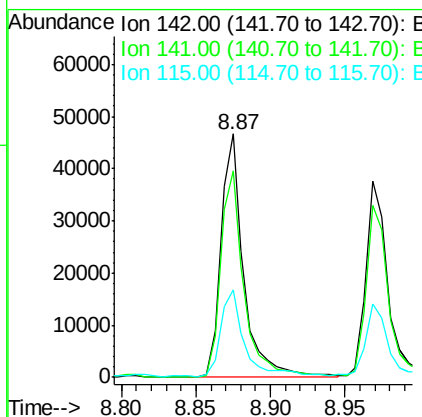
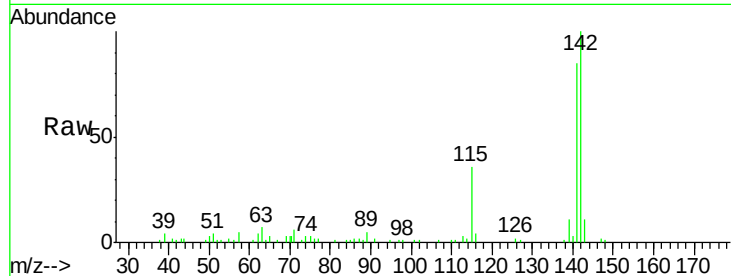
#37
2-Methylnaphthalene
Concen: 3.128 ng
RT: 8.87 min Scan# 1154
Delta R.T. 0.01 min
Lab File: BF103427.D
Acq: 5 Mar 2018 23:35

Instrument :
BNA_F
ClientSampled :
SP-39

Tot Ion	Ratio	Lower	Upper
142	100		
141	85.0	70.8	106.2
115	35.9	26.1	39.1

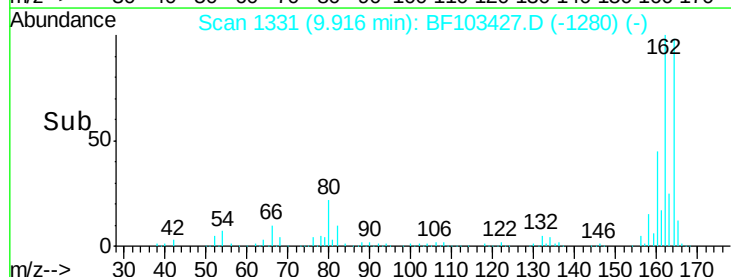
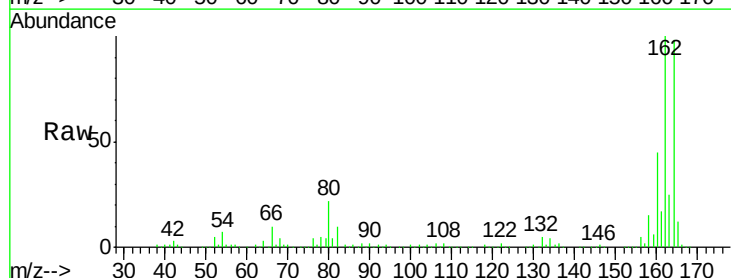
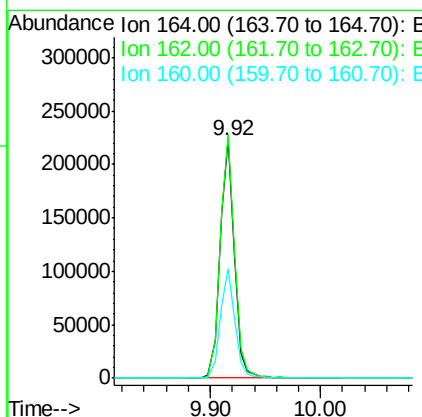
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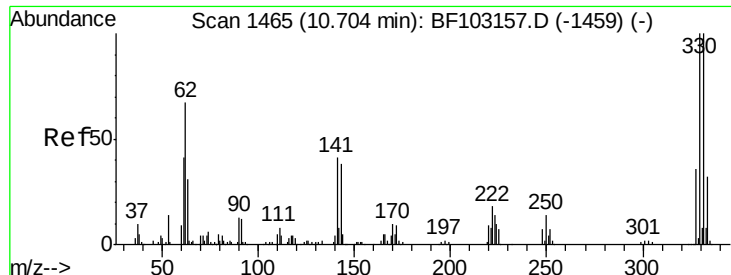
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#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.92 min Scan# 1331
Delta R.T. 0.00 min
Lab File: BF103427.D
Acq: 5 Mar 2018 23:35

Tgt Ion	Ratio	Lower	Upper
164	100		
162	102.3	86.1	129.1
160	45.8	38.3	57.5





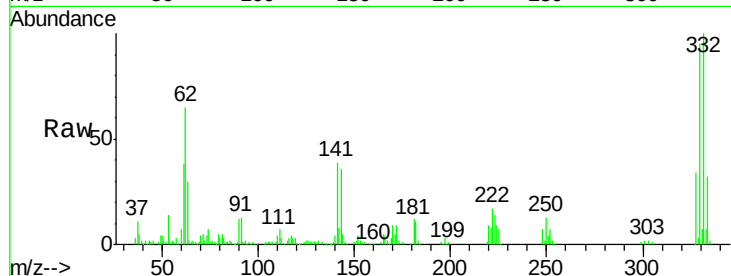
#41
 2,4,6-Tribromophenol
 Concen: 69.901 ng
 RT: 10.72 min Scan# 1467
 Delta R.T. 0.00 min
 Lab File: BF103427.D
 Acq: 5 Mar 2018 23:35

Instrument :
 BNA_F
 ClientSampled :
 SP-39

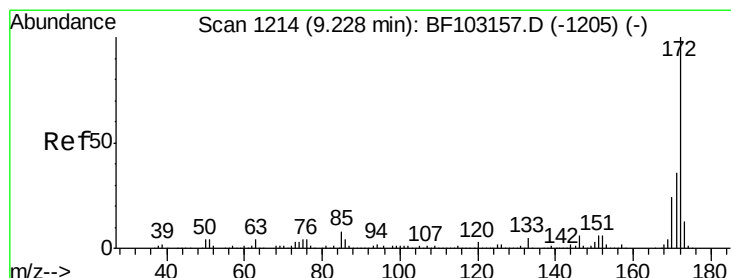
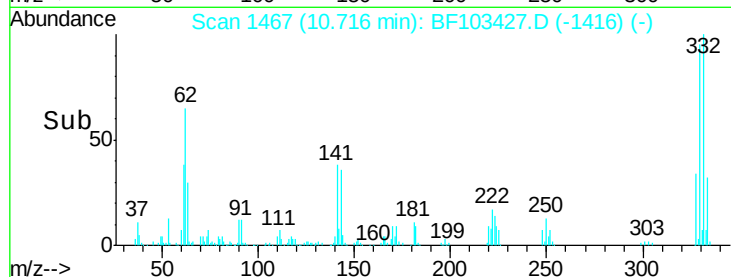
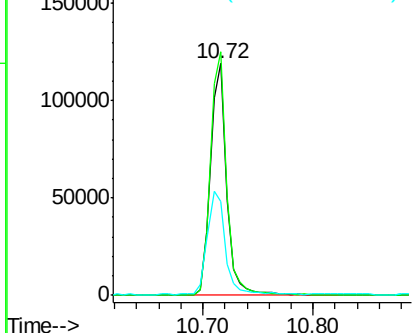
Tot Ion	Ratio	Resp	Lower	Upper
330	100	119154		
332	104.3	77.0	115.6	
141	48.8	29.9	44.9	

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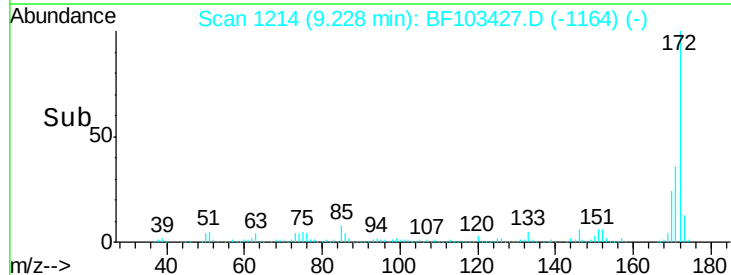
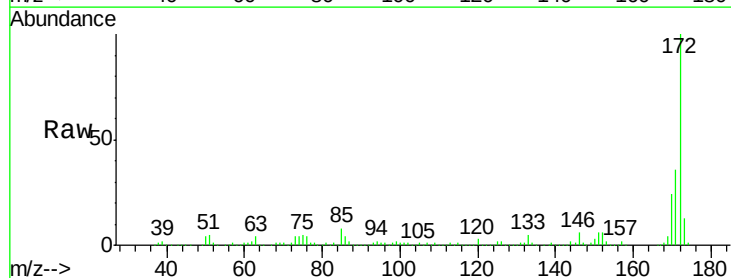
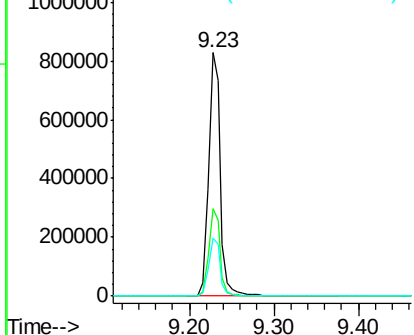
Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

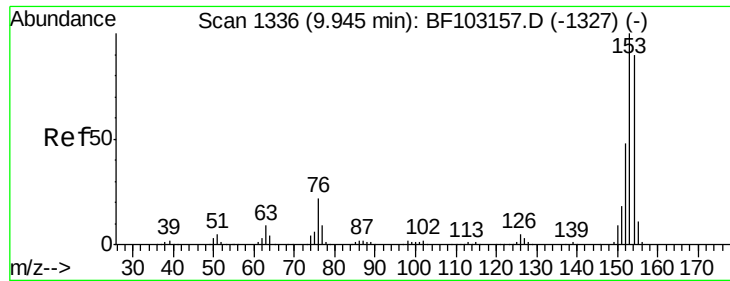


#44
 2-Fluorobiphenyl
 Concen: 64.760 ng
 RT: 9.23 min Scan# 1214
 Delta R.T. -0.01 min
 Lab File: BF103427.D
 Acq: 5 Mar 2018 23:35

Tgt Ion	Ratio	Resp	Lower	Upper
172	100	802046		
171	36.1	29.7	44.5	
170	23.8	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: 6.340 ng

RT: 9.95 min Scan# 1336

Delta R.T. -0.01 min

Lab File: BF103427.D

Acq: 5 Mar 2018 23:35

Instrument :

BNA_F

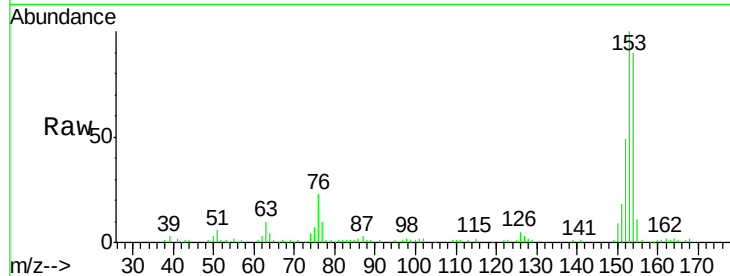
ClientSampleId :

SP-39

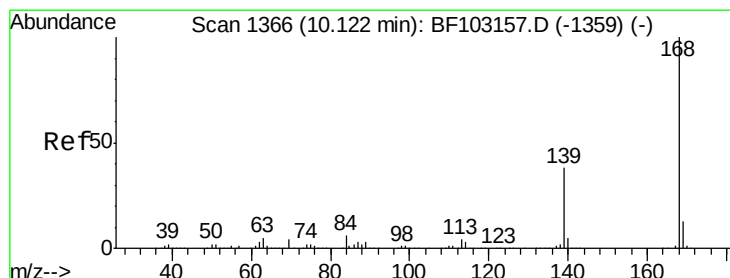
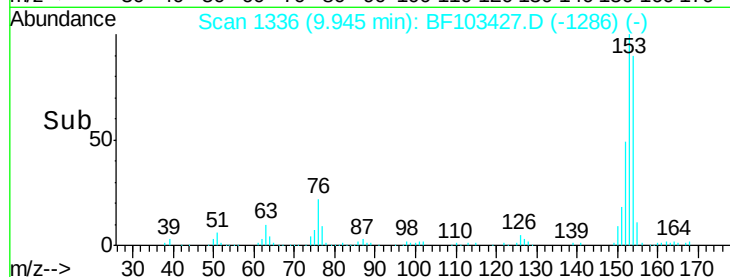
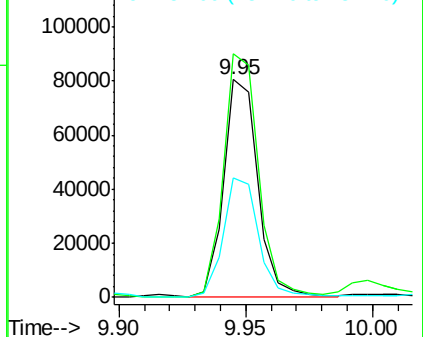
Tot Ion:	154	Resp:	75937
Ion	Ratio	Lower	Upper
154	100		
153	111.7	91.2	136.8
152	55.0	43.8	65.8

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3/6/2018 4:23:43 PM



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: 5.495 ng

RT: 10.12 min Scan# 1366

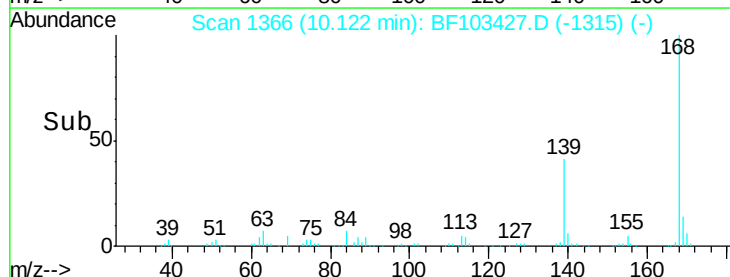
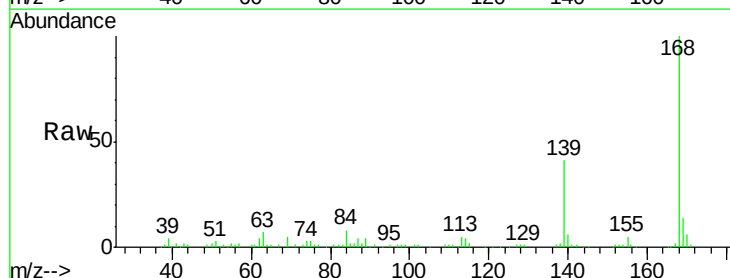
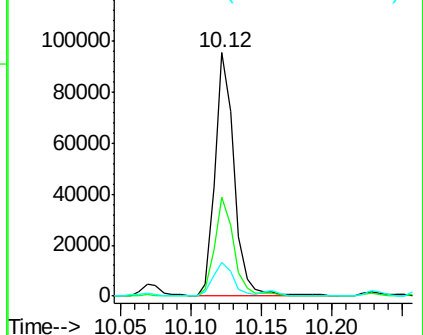
Delta R.T. 0.00 min

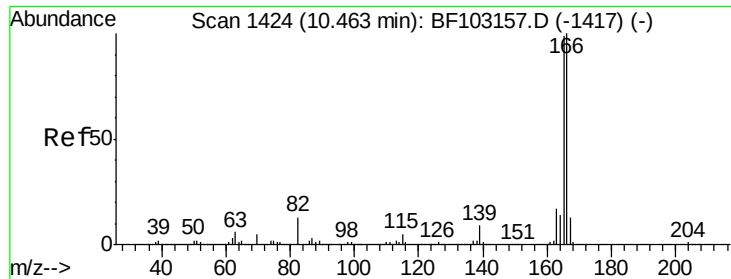
Lab File: BF103427.D

Acq: 5 Mar 2018 23:35

Tgt Ion:	168	Resp:	90352
Ion	Ratio	Lower	Upper
168	100		
139	40.6	30.1	45.1
169	14.0	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





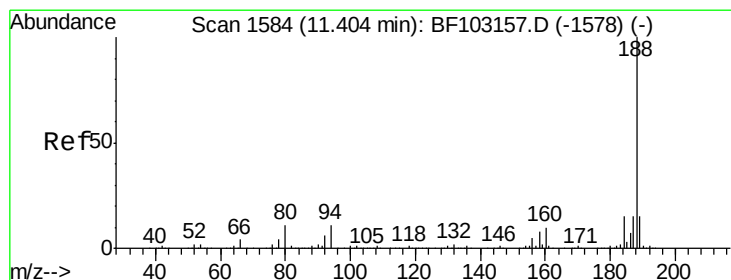
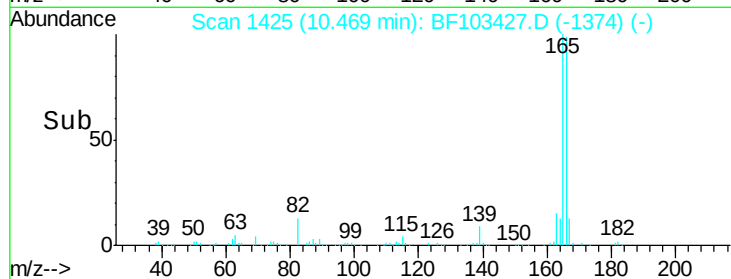
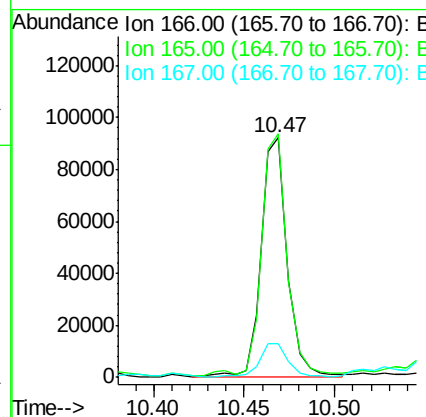
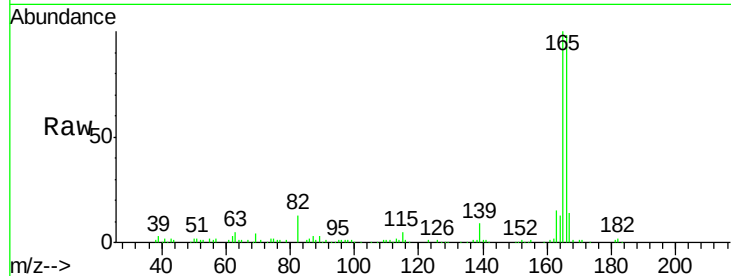
#57
 Fluorene
 Concen: 6.652 ng
 RT: 10.47 min Scan# 1425
 Delta R.T. 0.00 min
 Lab File: BF103427.D
 Acq: 5 Mar 2018 23:35

Instrument :
 BNA_F
 ClientSampleId :
 SP-39

Tot Ion	Ion	Ratio	Resp	Lower	Upper
166	100				
165	101.7	79.8	119.8		
167	13.9	10.6	16.0		

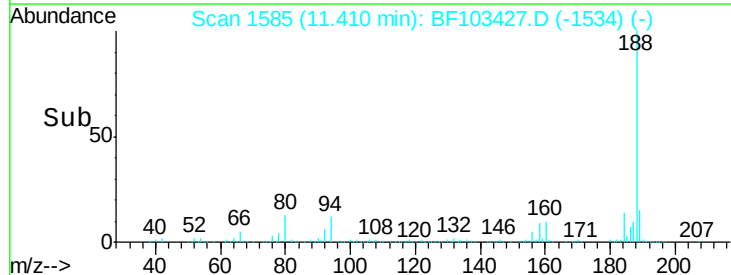
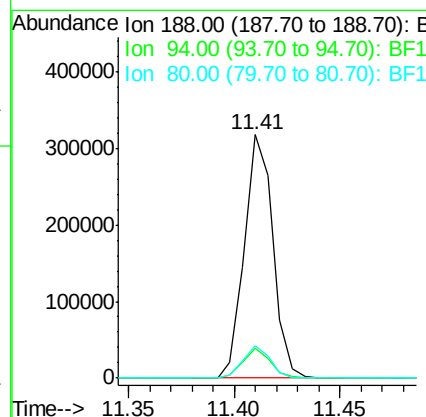
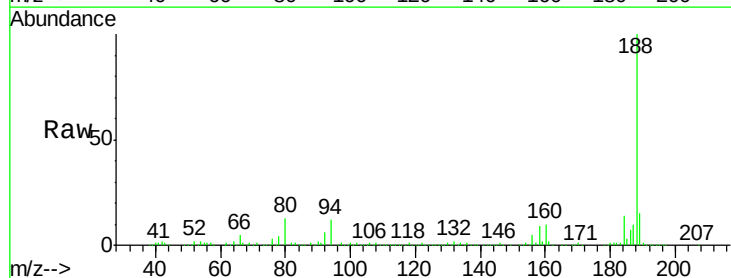
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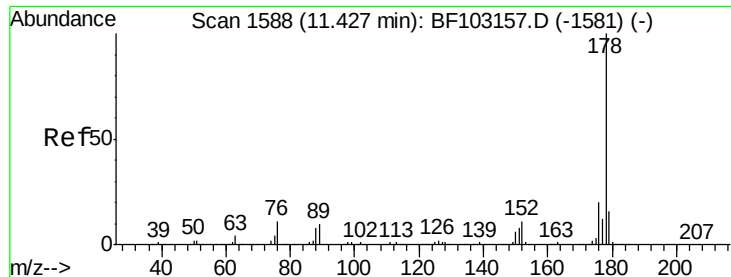
Sohil
 3/6/2018 4:23:43 PM



#63
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.41 min Scan# 1585
 Delta R.T. 0.00 min
 Lab File: BF103427.D
 Acq: 5 Mar 2018 23:35

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
188	100				
94	12.3	8.5	12.7		
80	13.1	9.2	13.8		





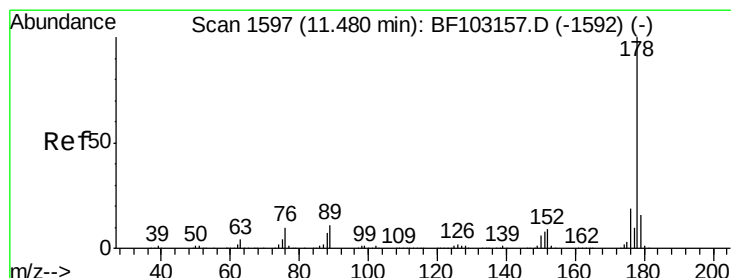
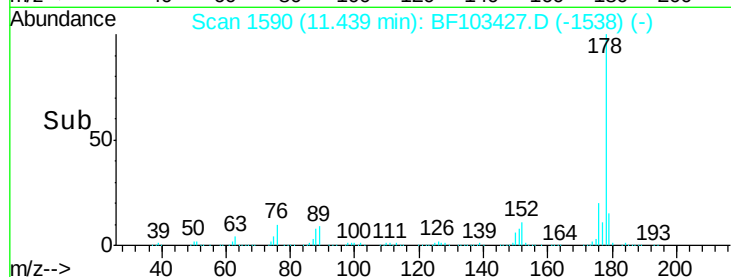
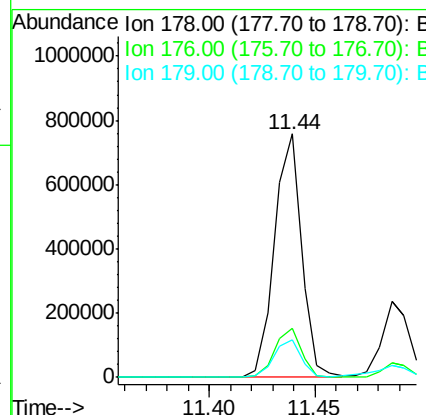
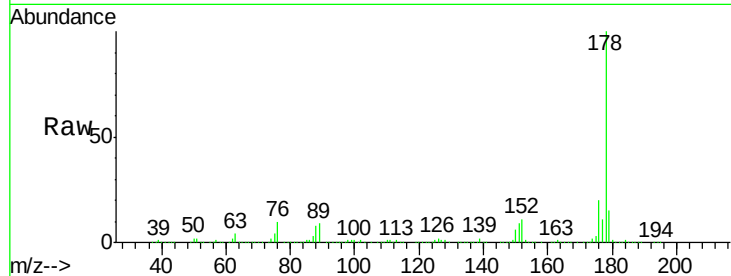
#70
 Phenanthrene
 Concen: 41.501 ng
 RT: 11.44 min Scan# 1590
 Delta R.T. 0.01 min
 Lab File: BF103427.D
 Acq: 5 Mar 2018 23:35

Instrument :
 BNA_F
 ClientSampled :
 SP-39

Tot Ion	Ratio	Lower	Upper
178	100		
176	20.1	15.8	23.8
179	15.5	13.0	19.6

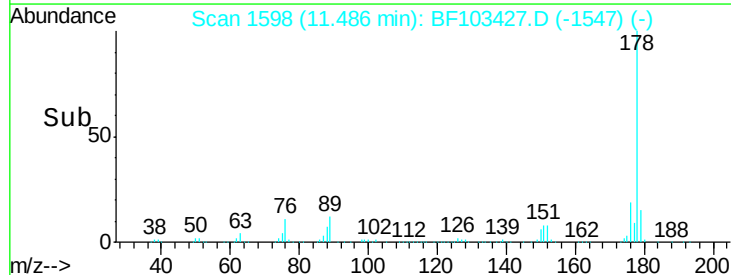
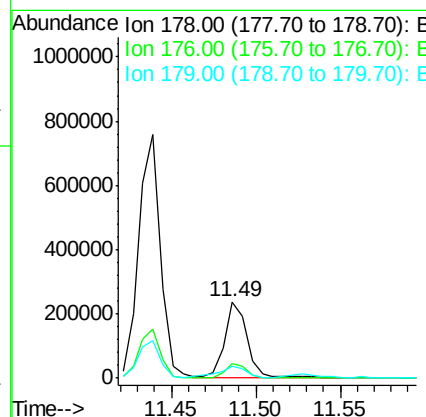
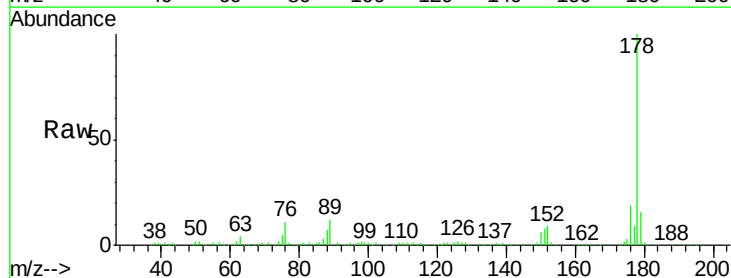
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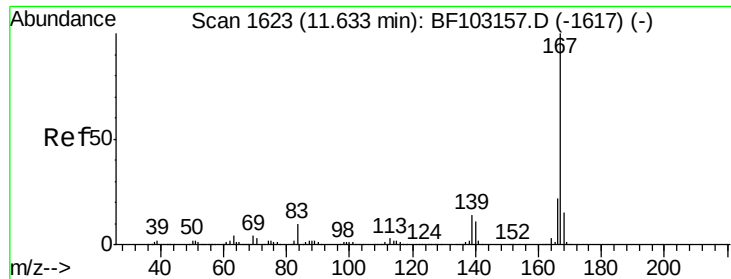
Sohil
 3/6/2018 4:23:43 PM



#71
 Anthracene
 Concen: 13.235 ng
 RT: 11.49 min Scan# 1598
 Delta R.T. 0.00 min
 Lab File: BF103427.D
 Acq: 5 Mar 2018 23:35

Tgt Ion	Ratio	Lower	Upper
178	100		
176	18.7	15.4	23.2
179	15.5	12.6	19.0





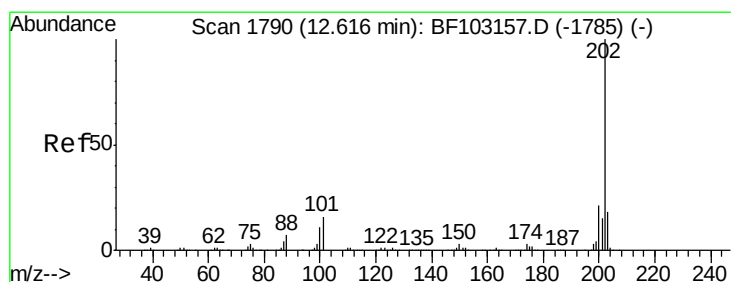
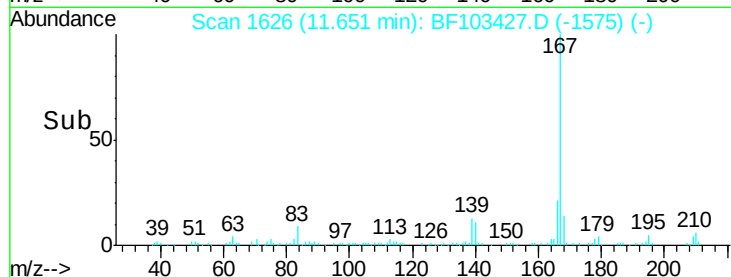
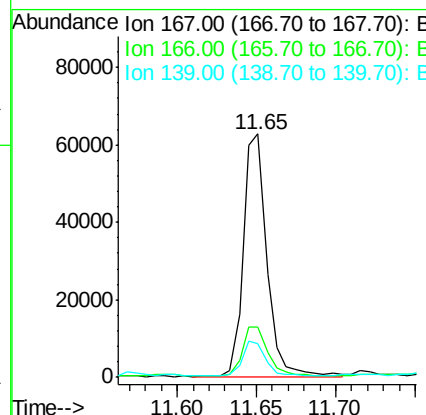
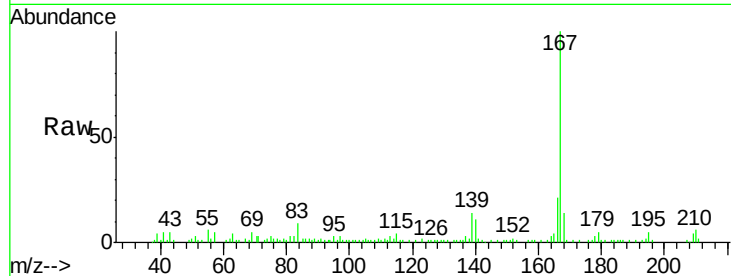
#72
 Carbazole
 Concen: 3.943 ng
 RT: 11.65 min Scan# 1626
 Delta R.T. 0.00 min
 Lab File: BF103427.D
 Acq: 5 Mar 2018 23:35

Instrument :
 BNA_F
 ClientSampleId :
 SP-39

Tot Ion	Ion	Ratio	Resp	Lower	Upper
167	100		65763		
166	20.7	17.6	26.4		
139	13.9	10.9	16.3		

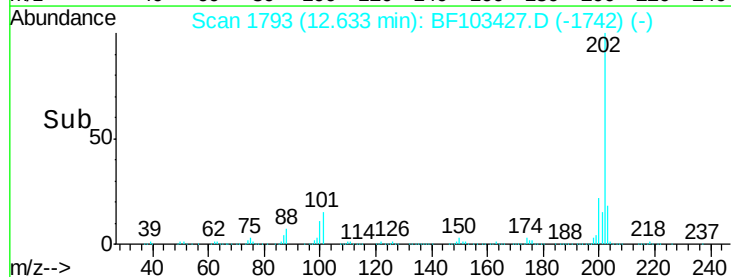
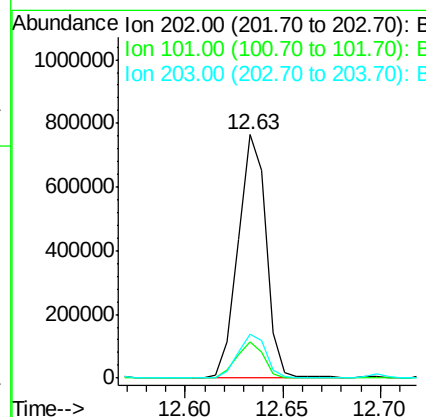
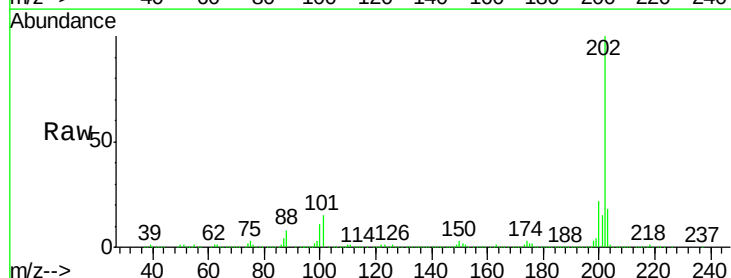
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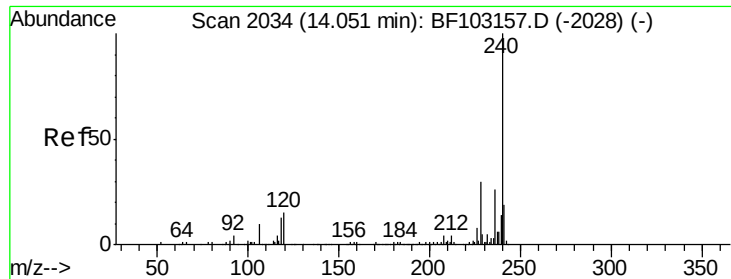
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 3/6/2018 4:23:43 PM



#74
 Fluoranthene
 Concen: 46.339 ng
 RT: 12.63 min Scan# 1793
 Delta R.T. 0.00 min
 Lab File: BF103427.D
 Acq: 5 Mar 2018 23:35

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
202	100		760497		
101	15.1	0.0	34.1		
203	17.9	0.0	38.1		





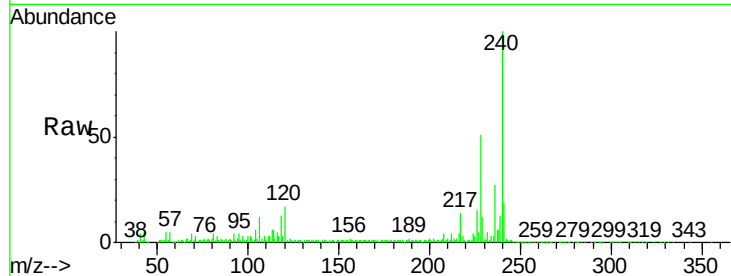
#75
Chrysene-d12
Concen: 20.000 ng
RT: 14.07 min Scan# 2037
Delta R.T. 0.00 min
Lab File: BF103427.D
Acq: 5 Mar 2018 23:35

Instrument :
BNA_F
ClientSampled :
SP-39

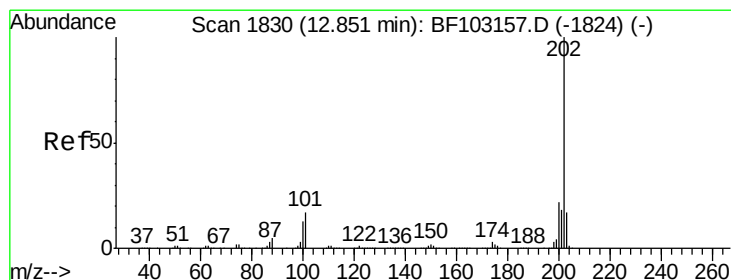
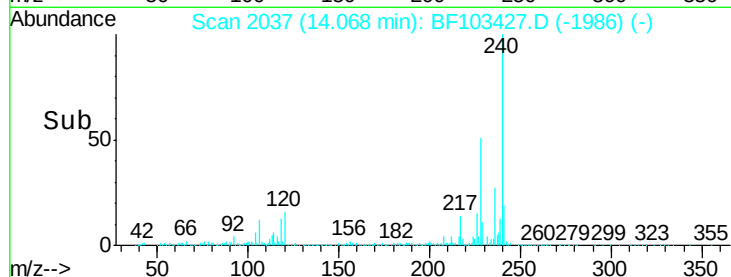
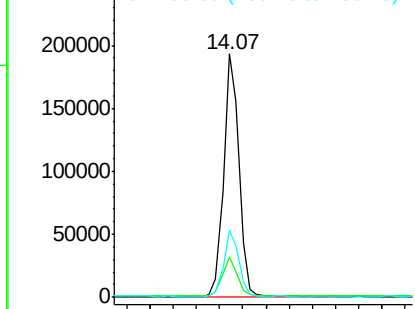
Tot Ion	Ratio	Lower	Upper
240	100		
120	16.6	9.5	14.3
236	27.3	20.7	31.1

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3/6/2018 4:23:43 PM

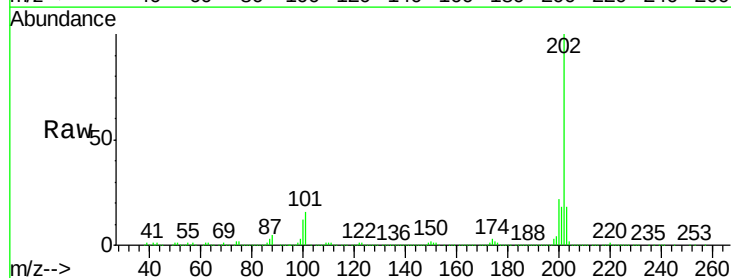


Abundance Ion 240.00 (239.70 to 240.70): E
Ion 120.00 (119.70 to 120.70): E
Ion 236.00 (235.70 to 236.70): E

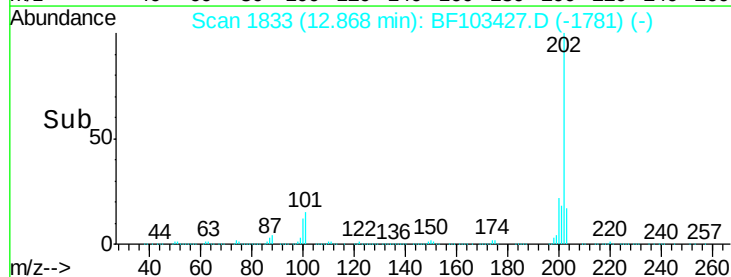
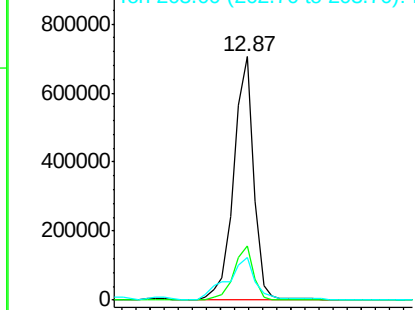


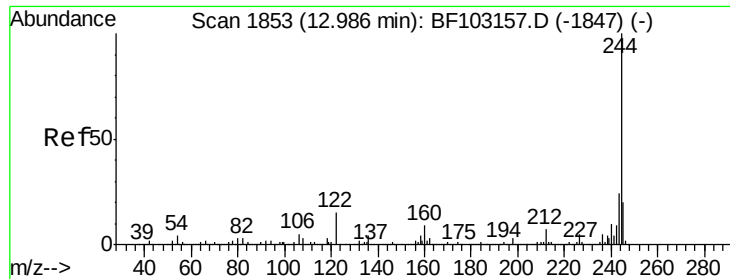
#77
Pyrene
Concen: 50.407 ng
RT: 12.87 min Scan# 1833
Delta R.T. 0.01 min
Lab File: BF103427.D
Acq: 5 Mar 2018 23:35

Tgt Ion	Ratio	Lower	Upper
202	100		
200	22.1	17.4	26.2
203	17.7	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





#78

Terphenyl-d14

Concen: 74.539 ng

RT: 13.00 min Scan# 1855

Delta R.T. 0.01 min

Lab File: BF103427.D

Acq: 5 Mar 2018 23:35

Instrument :

BNA_F

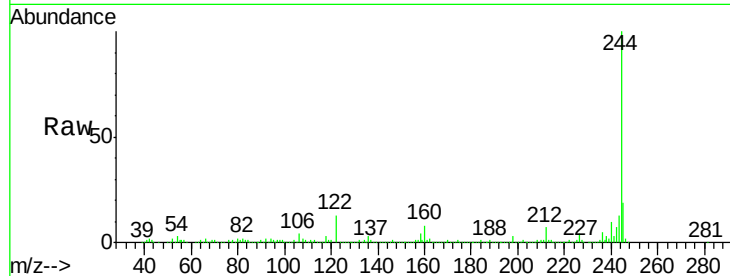
ClientSampled :

SP-39

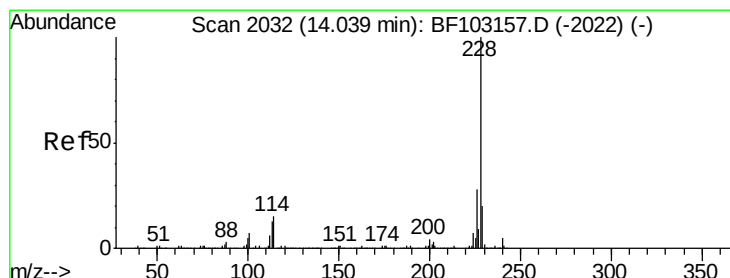
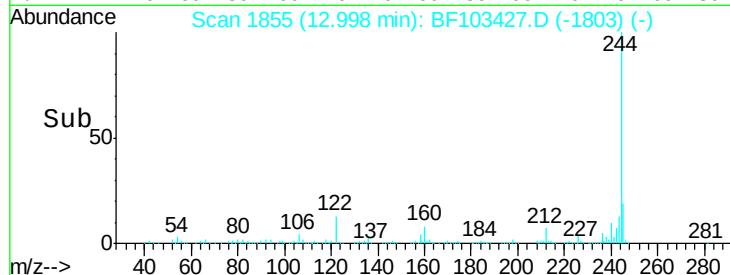
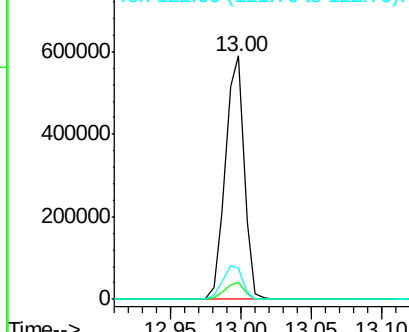
Tot Ion:	244	Resp:	548528
Ion Ratio	Lower	Upper	
244	100		
212	6.8	5.4	8.0
122	12.8	11.0	16.4

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3/6/2018 4:23:43 PM



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



#80

Benzo(a)anthracene

Concen: 26.198 ng

RT: 14.06 min Scan# 2035

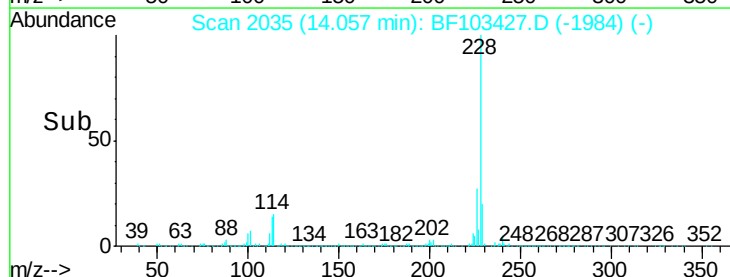
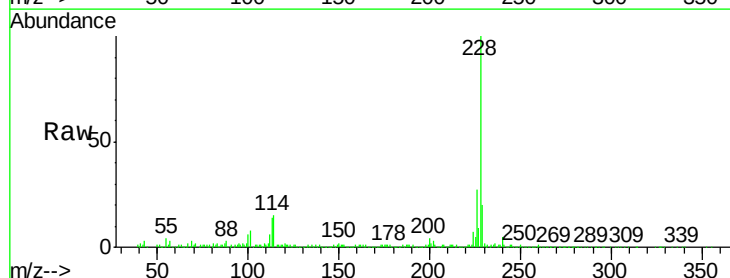
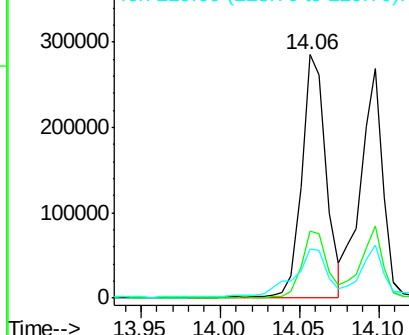
Delta R.T. 0.00 min

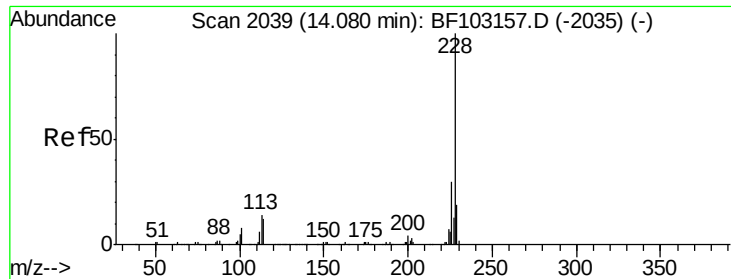
Lab File: BF103427.D

Acq: 5 Mar 2018 23:35

Tgt Ion:	228	Resp:	300696
Ion Ratio	Lower	Upper	
228	100		
226	27.5	22.6	33.8
229	20.4	15.8	23.6

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





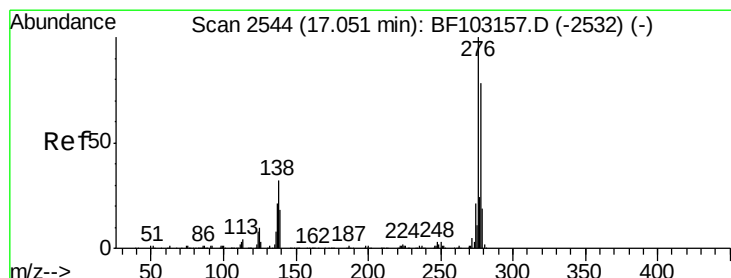
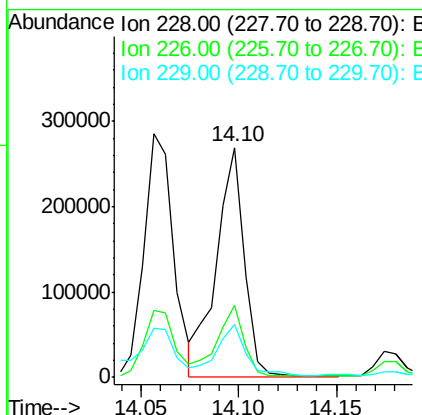
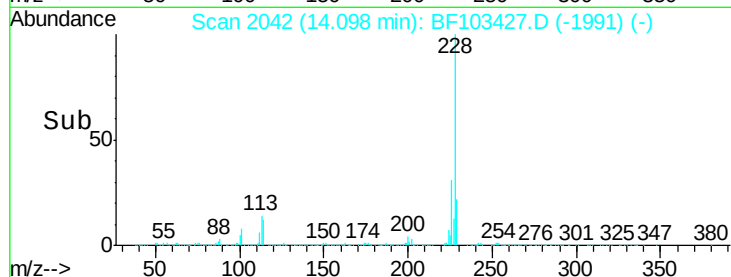
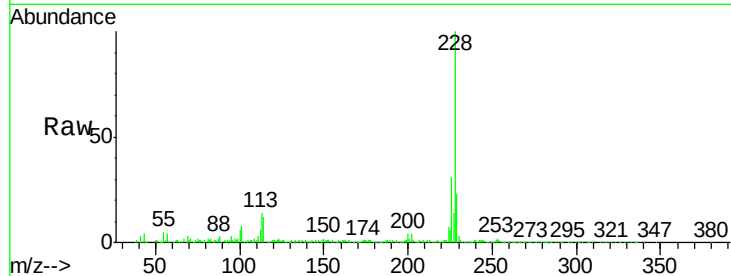
#82
Chrysene
Concen: 23.916 ng
RT: 14.10 min Scan# 2042
Delta R.T. 0.00 min
Lab File: BF103427.D
Acq: 5 Mar 2018 23:35

Instrument :
BNA_F
ClientSampleId :
SP-39

Tot Ion:	228	Resp:	266538
Ion Ratio	Lower	Upper	
228	100		
226	31.3	25.0	37.6
229	22.8	16.2	24.4

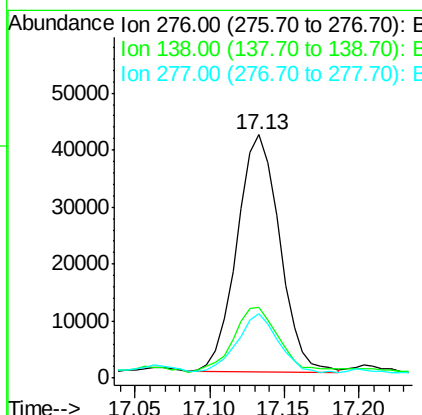
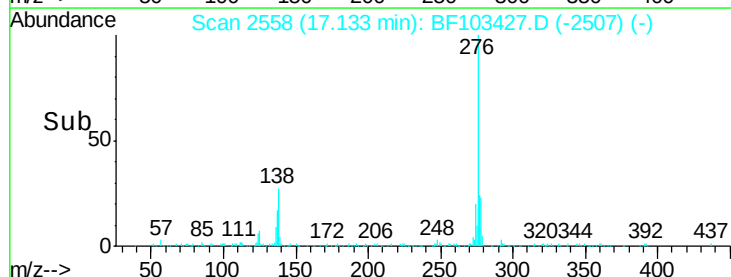
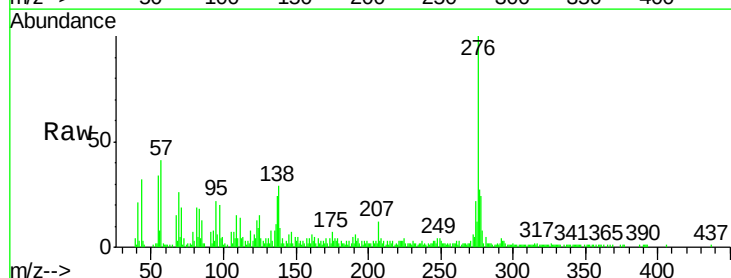
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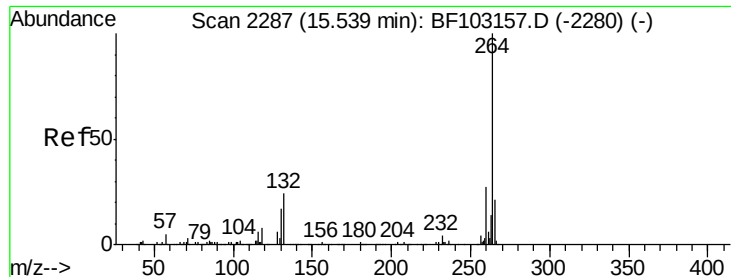
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3/6/2018 4:23:43 PM



#85
Indeno(1,2,3-cd)pyrene
Concen: 9.453 ng
RT: 17.13 min Scan# 2558
Delta R.T. 0.00 min
Lab File: BF103427.D
Acq: 5 Mar 2018 23:35

Tgt Ion:	276	Resp:	83405
Ion Ratio	Lower	Upper	
276	100		
138	30.9	25.0	37.6
277	24.3	20.1	30.1





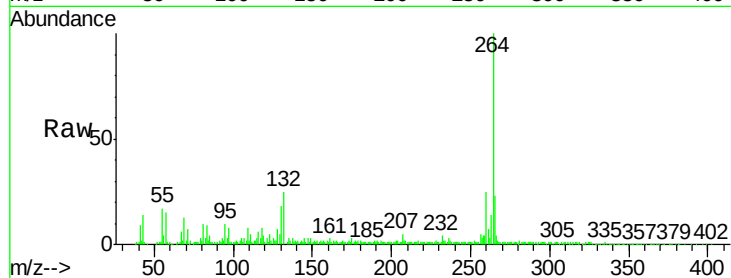
#86
Pervlene-d12
Concen: 20.000 ng
RT: 15.59 min Scan# 2295
Delta R.T. 0.01 min
Lab File: BF103427.D
Acq: 5 Mar 2018 23:35

Instrument :
BNA_F
ClientSampled :
SP-39

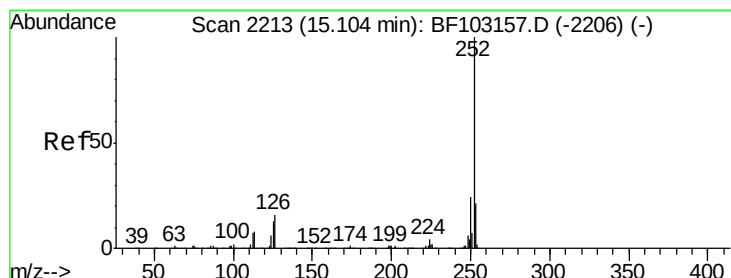
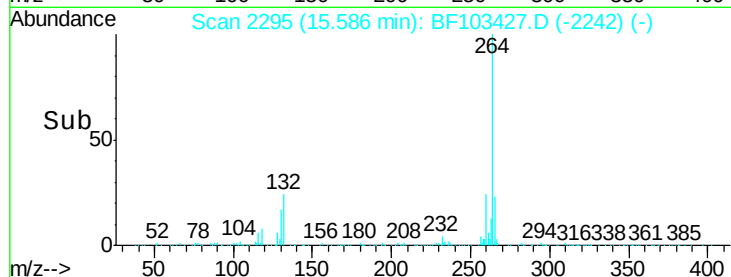
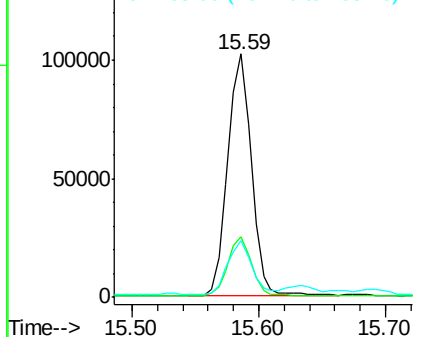
Tot Ion	Ratio	Lower	Upper
264	100		
260	24.7	19.2	28.8
265	23.5	17.5	26.3

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3/6/2018 4:23:43 PM

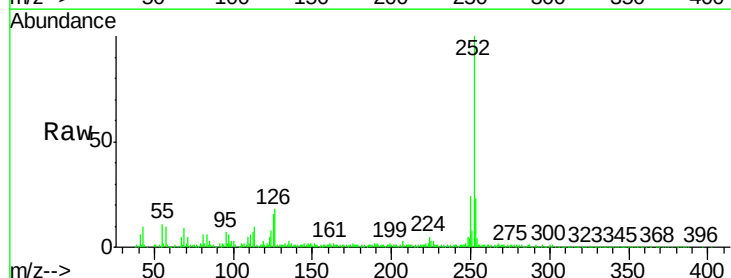


Abundance Ion 264.00 (263.70 to 264.70): E
Ion 260.00 (259.70 to 260.70): E
Ion 265.00 (264.70 to 265.70): E

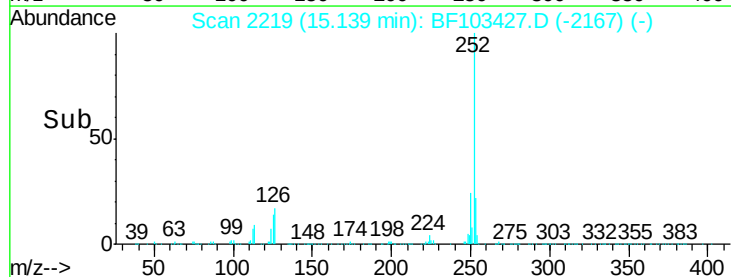
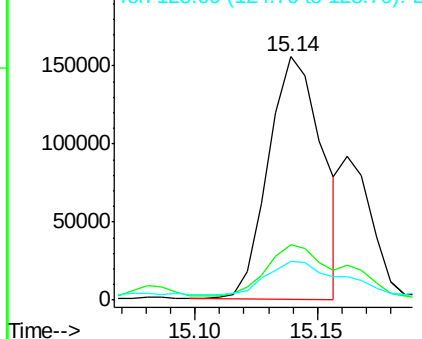


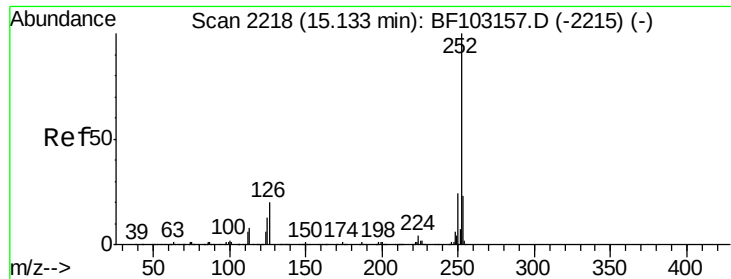
#87
Benzo(b)fluoranthene
Concen: 27.741 ng m
RT: 15.14 min Scan# 2219
Delta R.T. 0.01 min
Lab File: BF103427.D
Acq: 5 Mar 2018 23:35

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.8	17.0	25.6
125	16.1	9.0	13.6



Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E





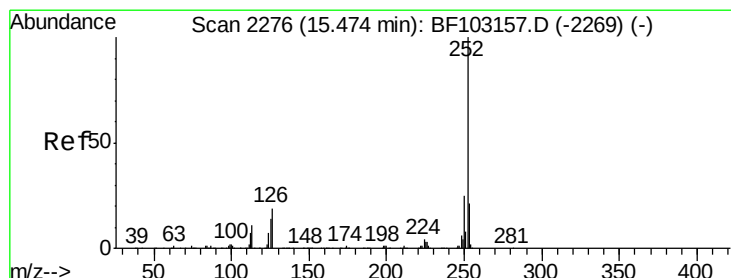
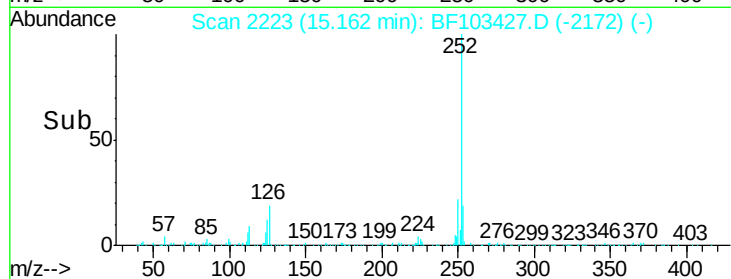
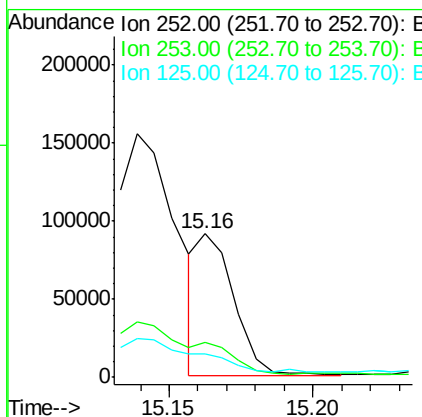
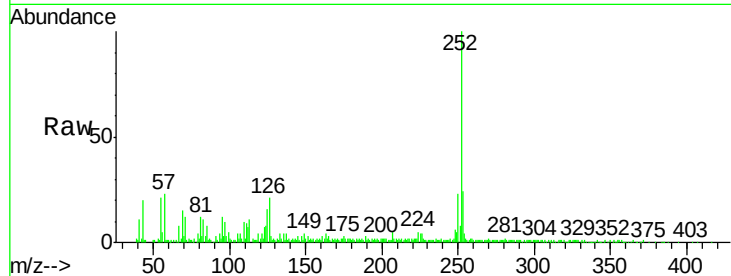
#88
Benzo(k)fluoranthene
Concen: 9.920 ng m
RT: 15.16 min Scan# 2223
Delta R.T. 0.00 min
Lab File: BF103427.D
Acq: 5 Mar 2018 23:35

Instrument :
BNA_F
ClientSampleId :
SP-39

Tot Ion	Ratio	Lower	Upper
252	100		
253	24.1	17.9	26.9
125	16.3	10.2	15.2

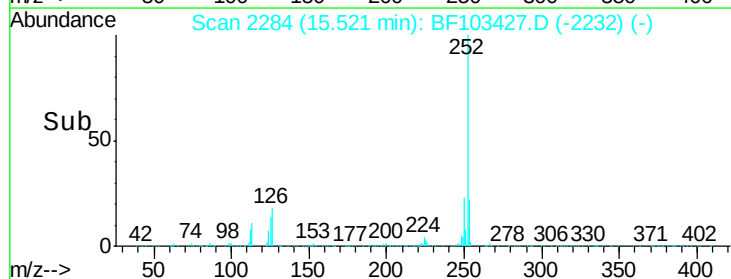
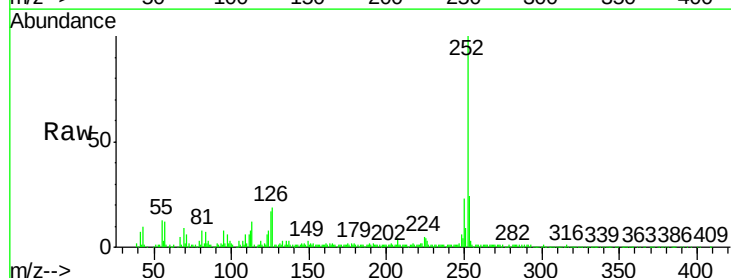
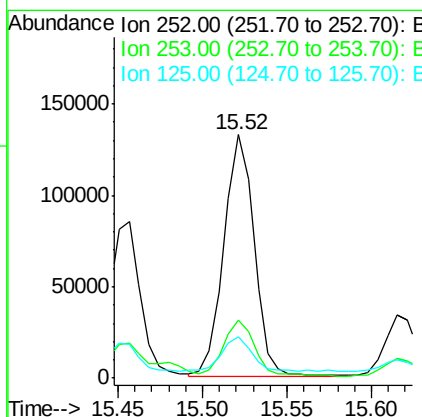
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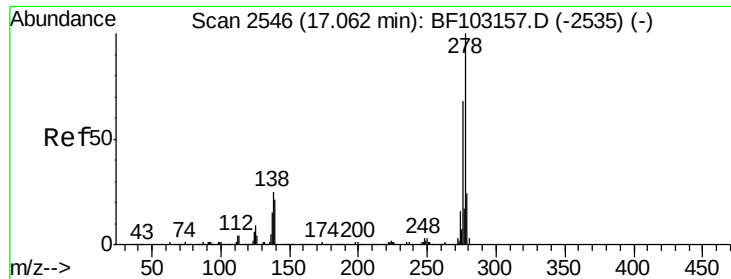
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3/6/2018 4:23:43 PM



#89
Benzo(a)pyrene
Concen: 21.399 ng
RT: 15.52 min Scan# 2284
Delta R.T. 0.01 min
Lab File: BF103427.D
Acq: 5 Mar 2018 23:35

Tgt Ion	Ratio	Lower	Upper
252	100		
253	24.0	17.1	25.7
125	16.8	9.8	14.6





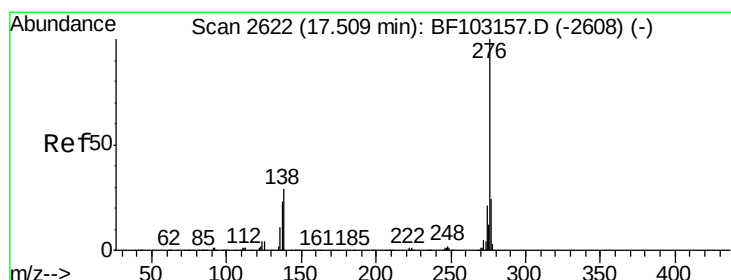
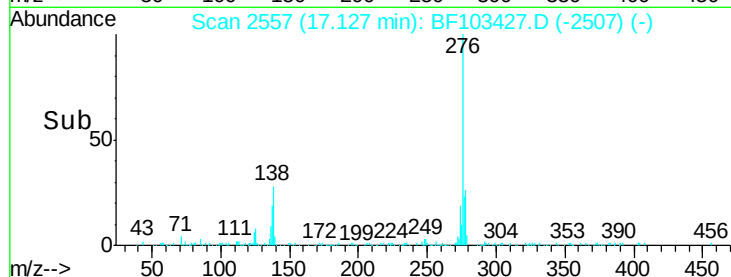
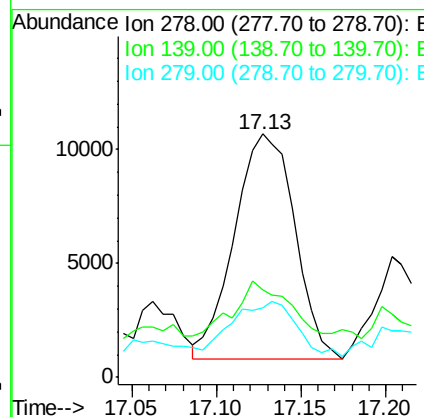
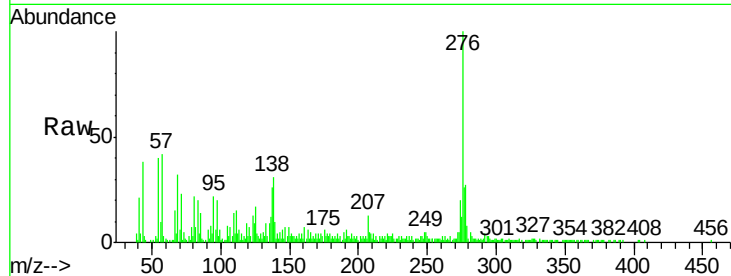
#90
Dibenzo(a,h)anthracene
Concen: 4.086 ng
RT: 17.13 min Scan# 2557
Delta R.T. -0.01 min
Lab File: BF103427.D
Acq: 5 Mar 2018 23:35

Instrument :
BNA_F
ClientSampleId :
SP-39

Tot Ion	Ratio	Lower	Upper
278	100		
139	36.1	15.9	23.9#
279	28.7	19.0	28.4#

Manual Integrations
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3/6/2018 4:23:43 PM



#91
Benzo(g,h,i)perylene
Concen: 13.295 ng
RT: 17.60 min Scan# 2638
Delta R.T. 0.01 min
Lab File: BF103427.D
Acq: 5 Mar 2018 23:35

Tgt Ion	Ratio	Lower	Upper
276	100		
277	26.5	17.9	26.9
138	34.2	21.8	32.8#

