

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF022719\
 Data File : BF112735.D
 Acq On : 27 Feb 2019 22:50
 Operator : JU/SJ
 Sample : K1627-02 5X
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SB-01-(6-2)

Manual Integrations
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 2/28/2019 12:47:24 PM

Quant Time: Feb 28 03:34:53 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF022719.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Feb 27 16:08:50 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.74	152	173812	20.00	ng	0.00
21) Naphthalene-d8	8.02	136	617376	20.00	ng	0.00
39) Acenaphthene-d10	9.77	164	252371	20.00	ng	0.00
64) Phenanthrene-d10	11.25	188	519807	20.00	ng	0.00
76) Chrysene-d12	13.87	240	474691	20.00	ng	0.00
87) Perylene-d12	15.28	264	351189	20.00	ng	0.00

System Monitoring Compounds						
5) 2-Fluorophenol	5.34	112	227292	20.34	ng	0.00
7) Phenol-d6	6.36	99	286413	20.41	ng	-0.01
23) Nitrobenzene-d5	7.29	82	140496	13.62	ng	-0.01
42) 2,4,6-Tribromophenol	10.55	330	55531	20.73	ng	0.00
45) 2-Fluorobiphenyl	9.09	172	235882	3.38	ng	0.00
79) Terphenyl-d14	12.83	244	262903	10.74	ng	0.00

Target Compounds				Qvalue		
31) Naphthalene	8.04	128	77289	2.522	ng	97
52) Acenaphthene	9.80	154	107366	6.728	ng	97
55) Dibenzofuran	9.97	168	65319	2.816	ng	96
58) Fluorene	10.31	166	89269	5.423	ng	99
71) Phenanthrene	11.27	178	965407	37.329	ng	99
72) Anthracene	11.32	178	272076	10.050	ng	97
73) Carbazole	11.47	167	177263	6.712	ng	99
75) Fluoranthene	12.46	202	1689597	60.977	ng	99
78) Pyrene	12.68	202	1603778	40.077	ng	98
81) Benzo(a)anthracene	13.86	228	1202517	36.551	ng	98
83) Chrysene	13.90	228	1136741	35.274	ng	98
86) Indeno(1,2,3-cd)pyrene	16.63	276	645093	23.481	ng	96
88) Benzo(b)fluoranthene	14.89	252	1512191m	66.570	ng	
89) Benzo(k)fluoranthene	14.91	252	382293m	18.579	ng	
90) Benzo(a)pyrene	15.23	252	1048036	52.160	ng	98
91) Dibenzo(a,h)anthracene	16.64	278	172133	10.040	ng	97
92) Benzo(a,h,i)perylene	17.04	276	595229	34.574	ng	98

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

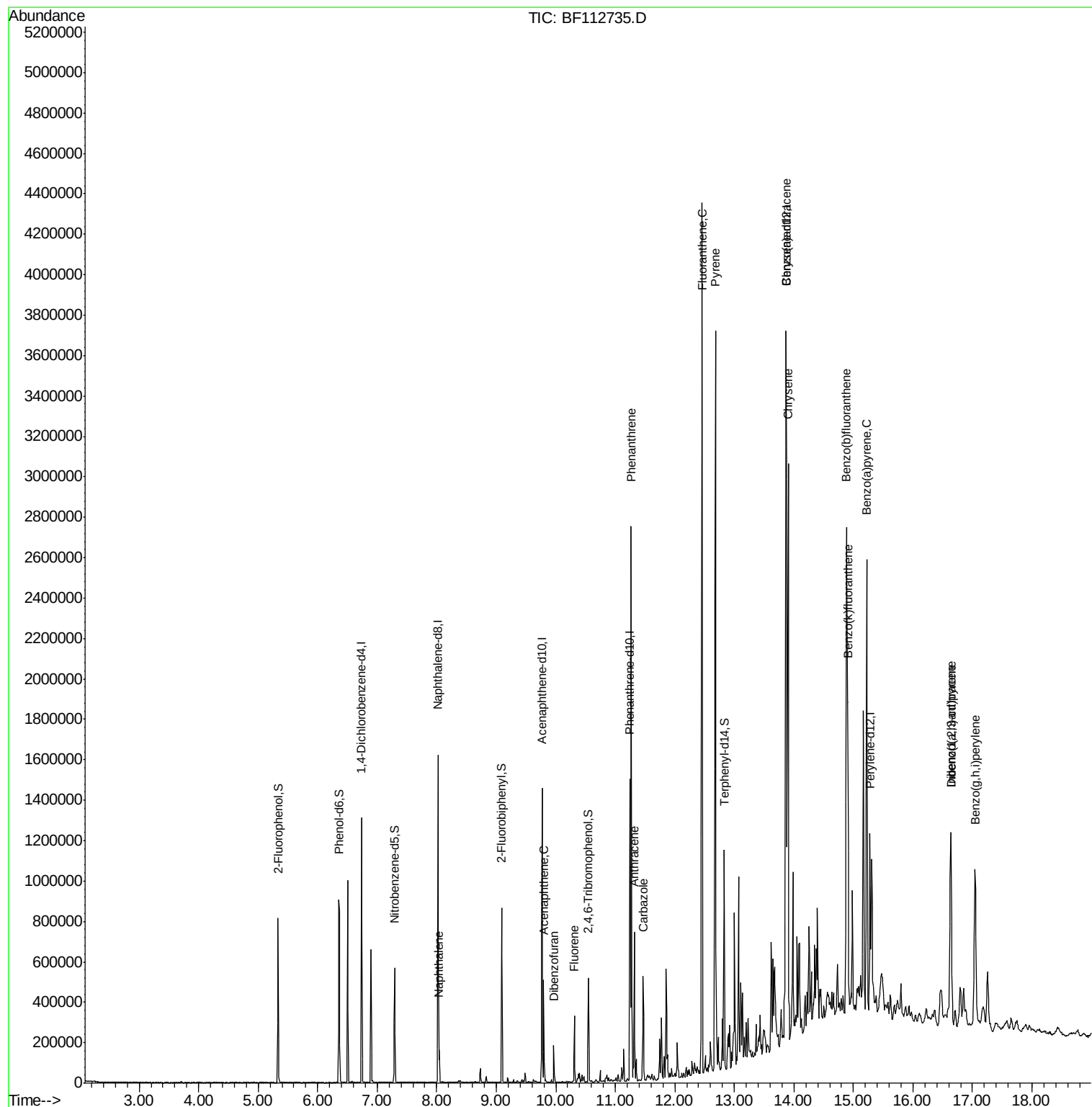
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF022719\
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ALS Vial : 18 Sample Multiplier: 1

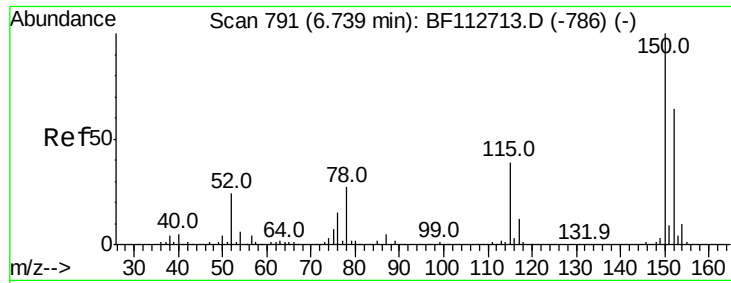
Instrument :
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Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF022719.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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#1

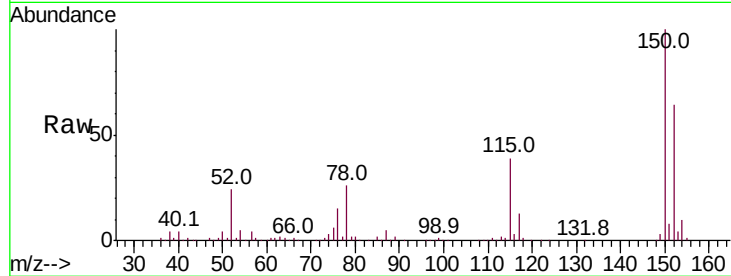
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.74 min Scan# 791
Delta R.T. 0.00 min
Lab File: BF112735.D
Acq: 27 Feb 2019 22:50

Instrument :
BNA_F
ClientSampleId :
SB-01-(6-2)

Tot Ion	Ratio	Lower	Upper
152	100		
150	155.9	124.2	186.2
115	61.4	48.2	72.4

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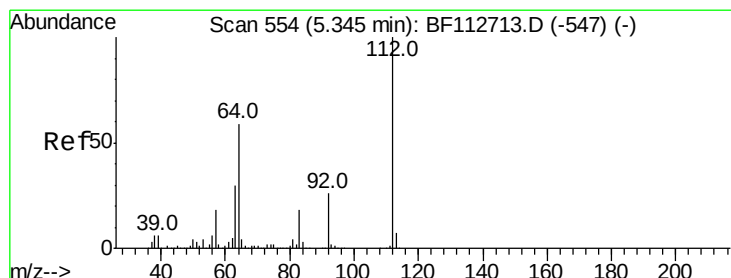
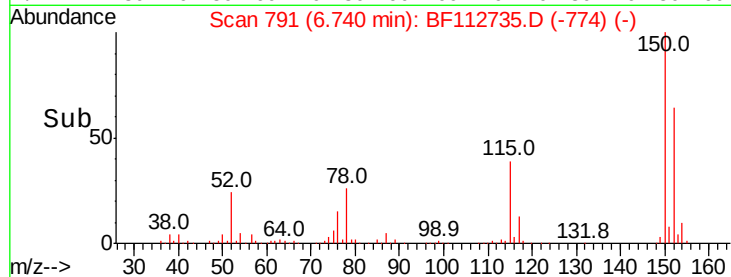
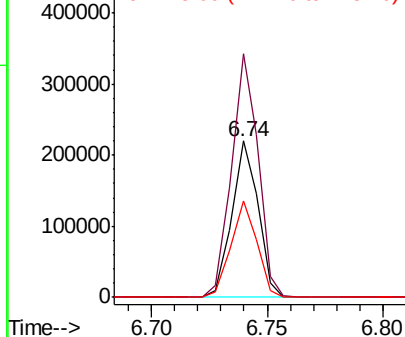


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

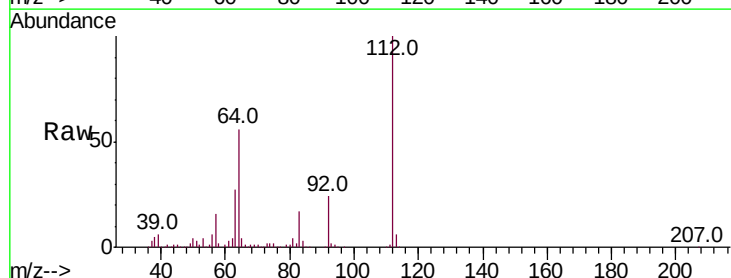
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 20.342 ng
RT: 5.34 min Scan# 553
Delta R.T. -0.01 min
Lab File: BF112735.D
Acq: 27 Feb 2019 22:50

Tgt Ion	Ratio	Lower	Upper
112	100		
64	55.8	47.6	71.4
63	27.1	24.4	36.6

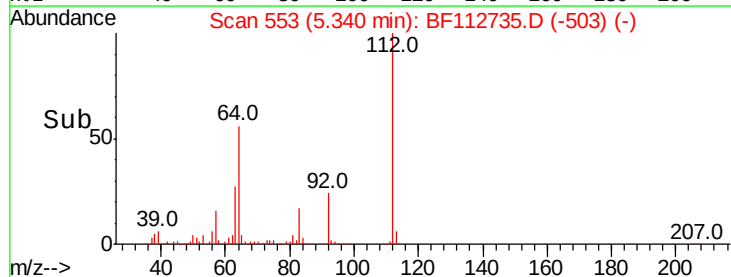
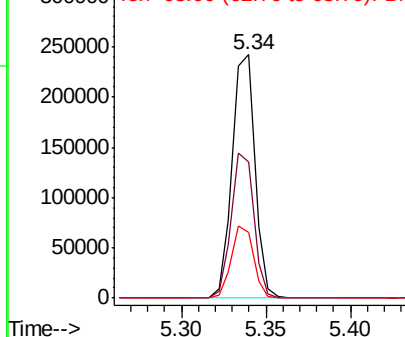


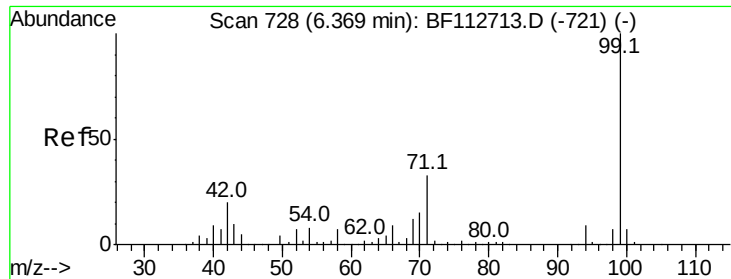
Abundance

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: 20.406 ng

RT: 6.36 min Scan# 726

Delta R.T. -0.01 min

Lab File: BF112735.D

Acq: 27 Feb 2019 22:50

Instrument :

BNA_F

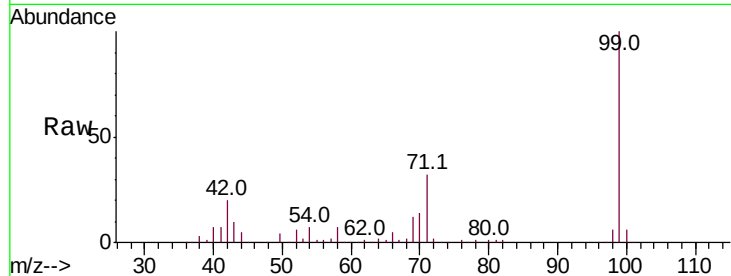
ClientSampled :

SB-01-(6-2)

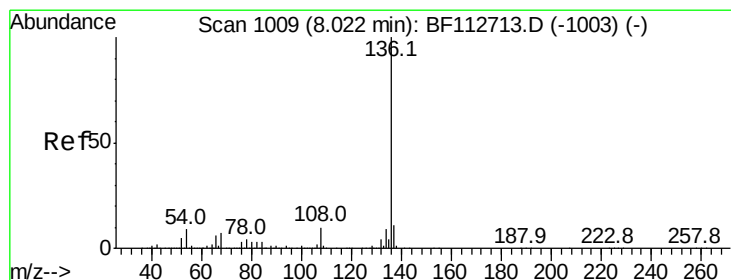
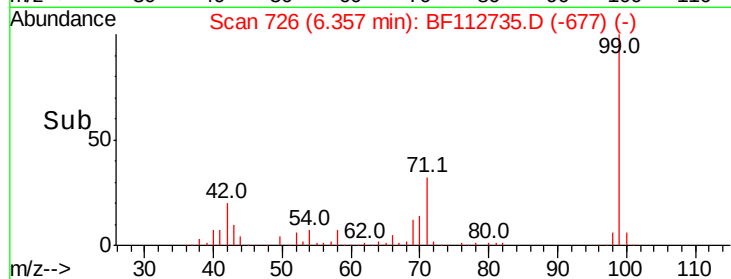
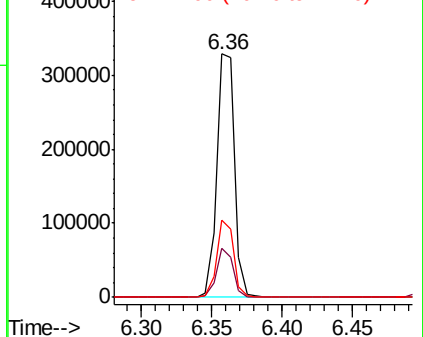
Tot Ion:	99	Resp:	286413
Ion Ratio	Lower	Upper	
99	100		
42	20.1	16.3	24.5
71	31.6	26.2	39.4

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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: 8.02 min Scan# 1009

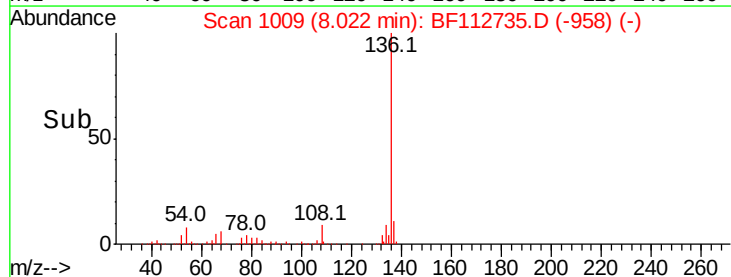
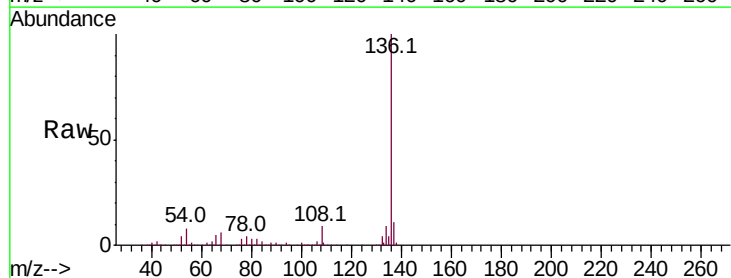
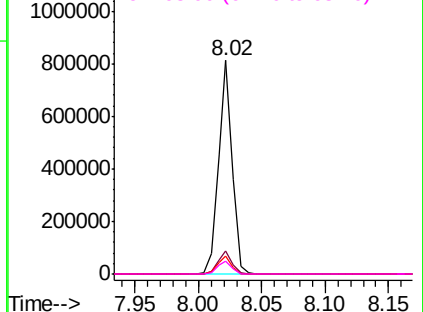
Delta R.T. 0.00 min

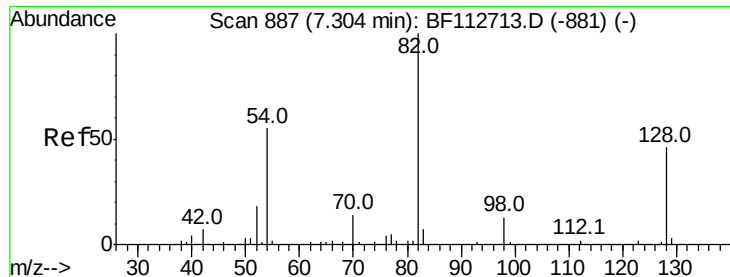
Lab File: BF112735.D

Acq: 27 Feb 2019 22:50

Tgt Ion:	136	Resp:	617376
Ion Ratio	Lower	Upper	
136	100		
137	11.0	8.9	13.3
54	8.2	7.3	10.9
68	6.3	5.4	8.2

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





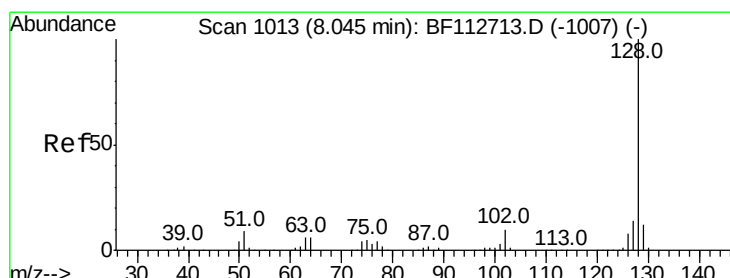
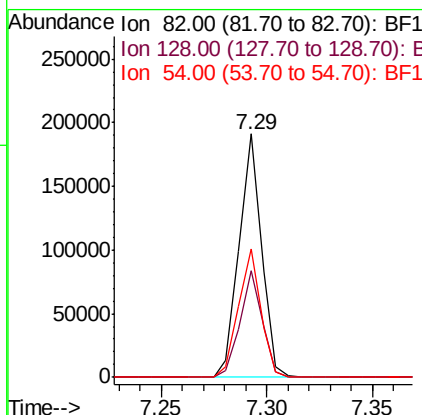
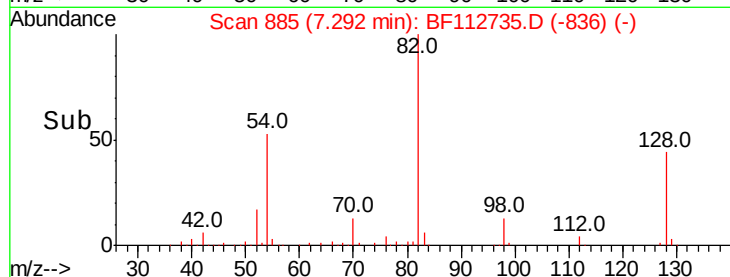
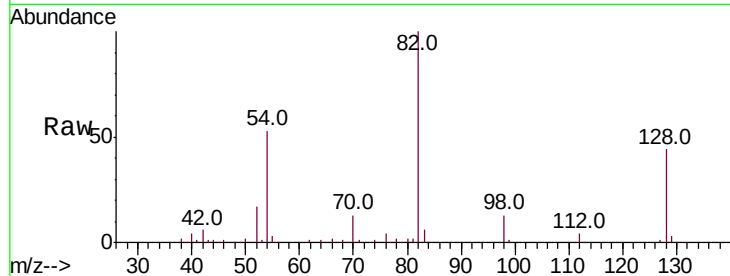
#23
Nitrobenzene-d5
Concen: 13.617 ng
RT: 7.29 min Scan# 885
Delta R.T. -0.01 min
Lab File: BF112735.D
Acq: 27 Feb 2019 22:50

Instrument :
BNA_F
ClientSampled :
SB-01-(6-2)

Tot Ion	Ratio	Resp	Lower	Upper
82	100	140496		
128	44.0	36.3	54.5	
54	53.0	43.7	65.5	

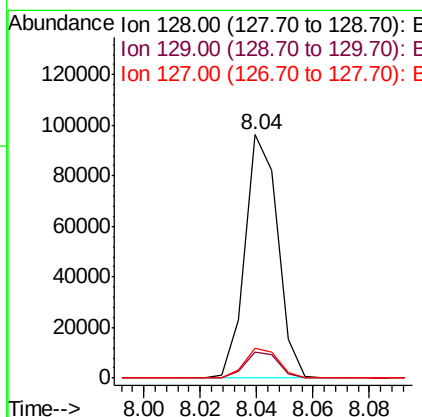
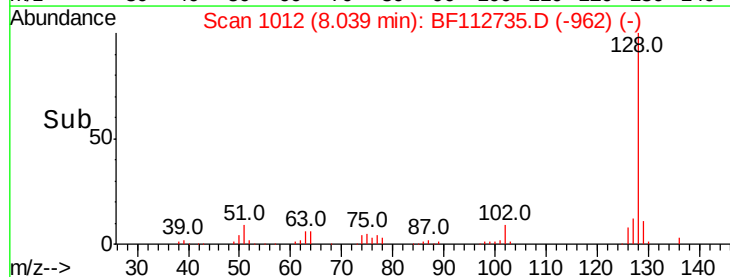
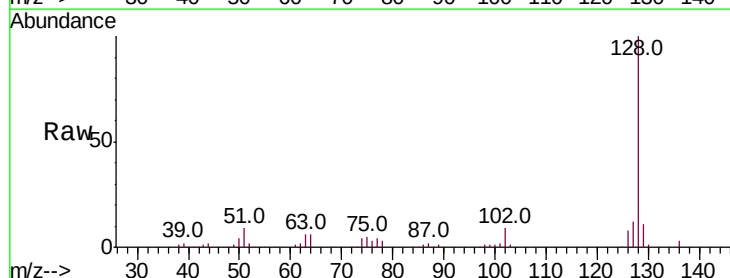
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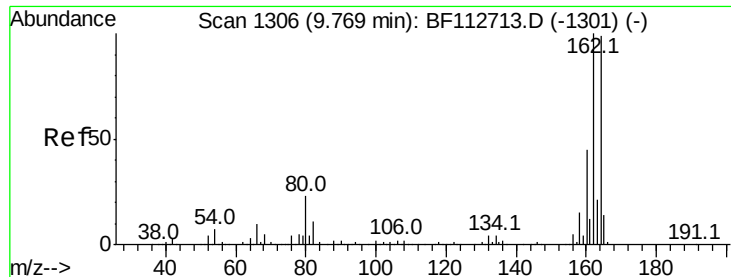
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#31
Naphthalene
Concen: 2.522 ng
RT: 8.04 min Scan# 1012
Delta R.T. -0.01 min
Lab File: BF112735.D
Acq: 27 Feb 2019 22:50

Tgt Ion	Ratio	Resp	Lower	Upper
128	100	77289		
129	10.7	9.3	13.9	
127	12.2	10.9	16.3	





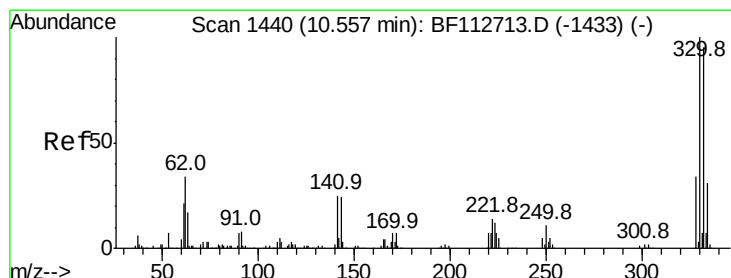
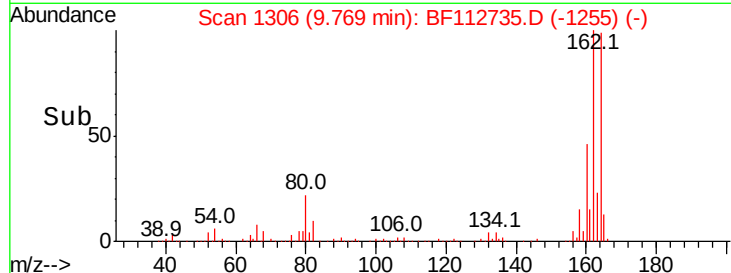
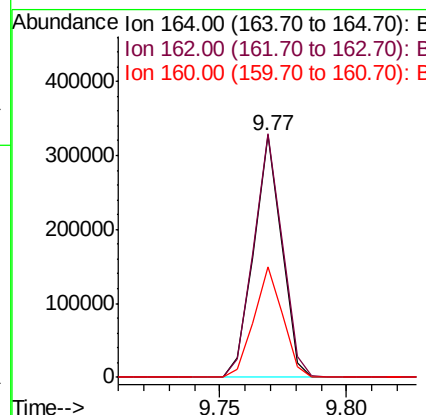
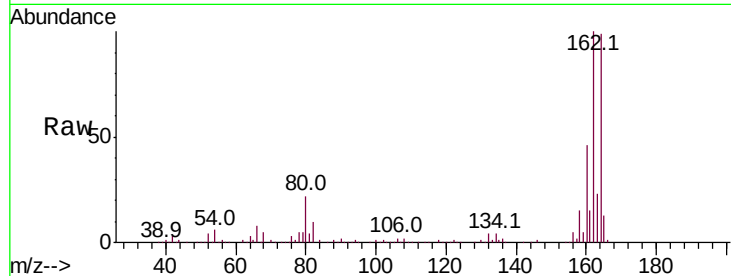
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.77 min Scan# 1306
Delta R.T. 0.00 min
Lab File: BF112735.D
Acq: 27 Feb 2019 22:50

Instrument :
BNA_F
ClientSampled :
SB-01-(6-2)

Tot Ion	Ratio	Resp	Lower	Upper
164	100	252371		
162	100.6	80.6	120.8	
160	45.8	36.0	54.0	

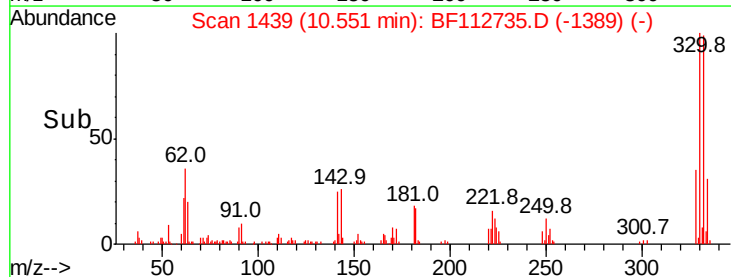
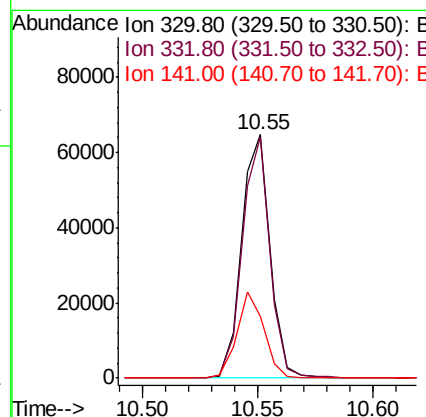
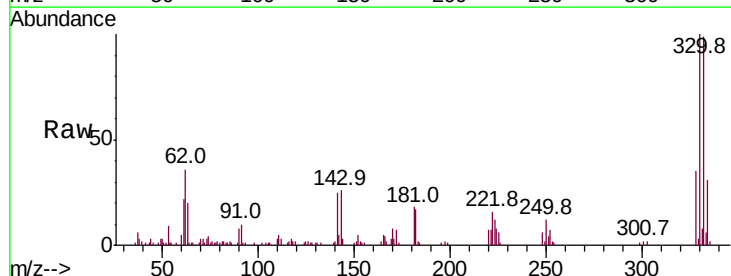
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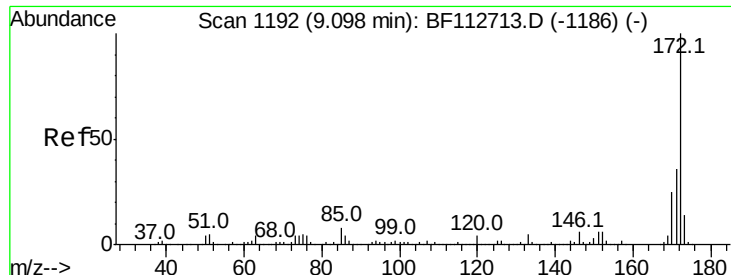
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#42
2,4,6-Tribromophenol
Concen: 20.726 ng
RT: 10.55 min Scan# 1439
Delta R.T. -0.01 min
Lab File: BF112735.D
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Tgt Ion	Ratio	Resp	Lower	Upper
330	100	55531		
332	96.3	76.2	114.4	
141	33.5	27.0	40.6	





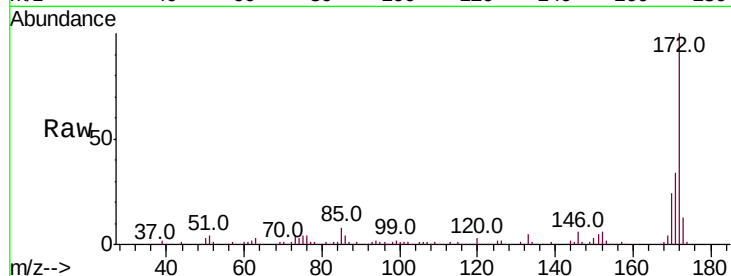
#45
2-Fluorobiphenyl
Concen: 3.379 ng
RT: 9.09 min Scan# 1191
Delta R.T. -0.01 min
Lab File: BF112735.D
Acq: 27 Feb 2019 22:50

Instrument :
BNA_F
ClientSampleId :
SB-01-(6-2)

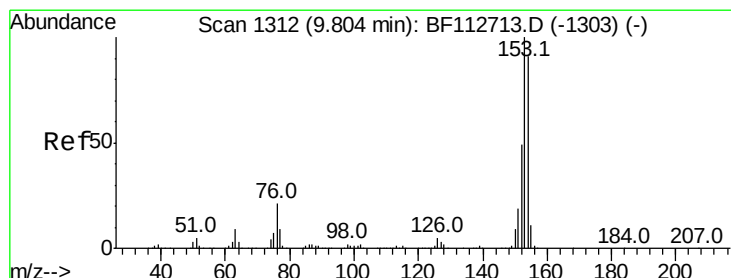
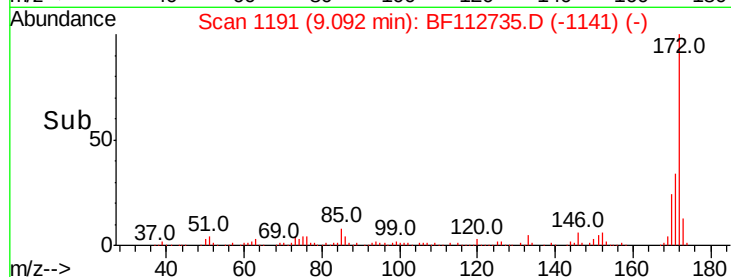
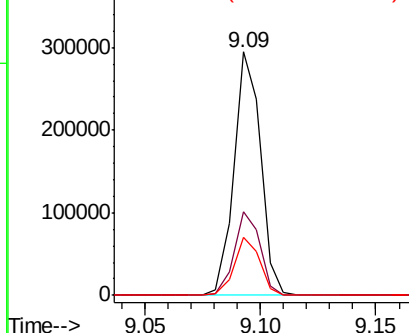
Tot Ion	Ratio	Resp	Lower	Upper
172	100			
171	34.1	29.0	43.4	
170	23.7	20.0	30.0	

Manual Integrations
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2/28/2019 12:47:24 PM

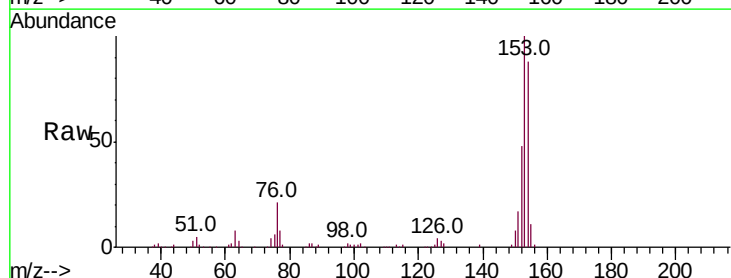


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

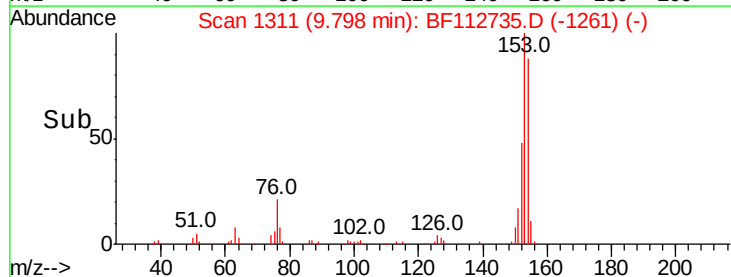
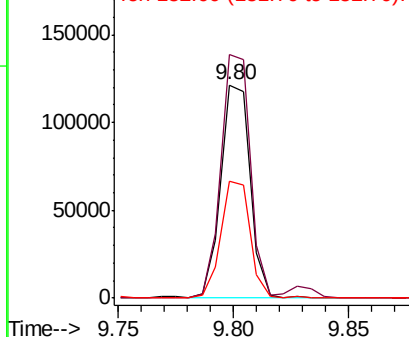


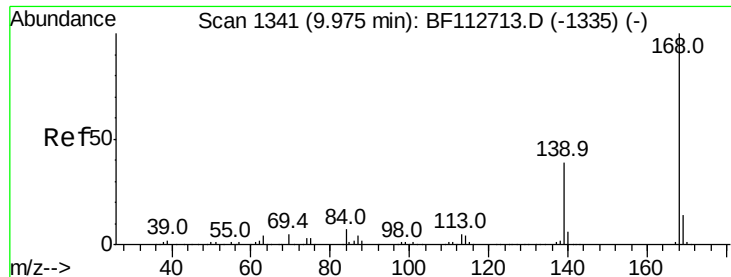
#52
Acenaphthene
Concen: 6.728 ng
RT: 9.80 min Scan# 1311
Delta R.T. -0.01 min
Lab File: BF112735.D
Acq: 27 Feb 2019 22:50

Tgt Ion	Ratio	Resp	Lower	Upper
154	100			
153	114.0	87.8	131.8	
152	54.5	43.0	64.6	



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





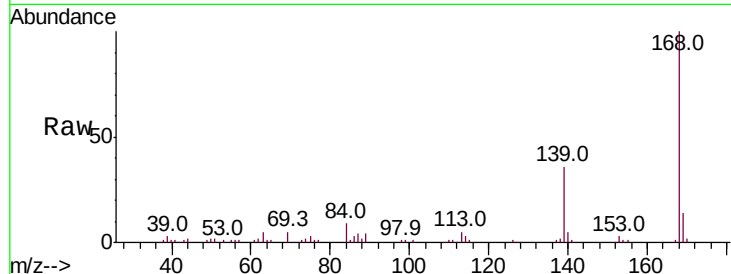
#55
Dibenzenofuran
Concen: 2.816 ng
RT: 9.97 min Scan# 1340
Delta R.T. -0.01 min
Lab File: BF112735.D
Acq: 27 Feb 2019 22:50

Instrument :
BNA_F
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SB-01-(6-2)

Tot Ion	Ratio	Lower	Upper
168	100		
139	36.1	31.3	46.9
169	13.7	11.3	16.9

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2/28/2019 12:47:24 PM

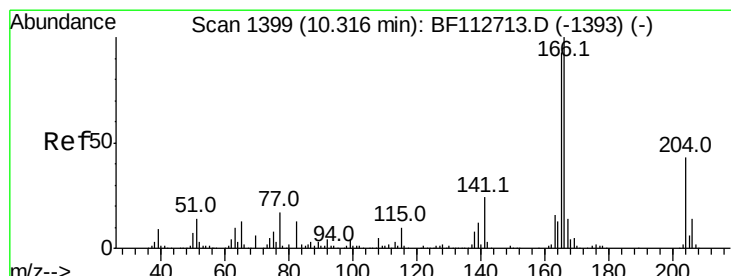
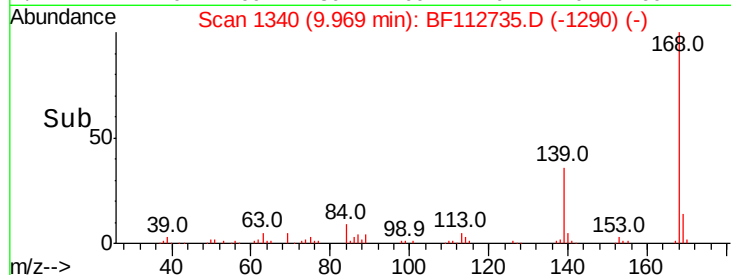
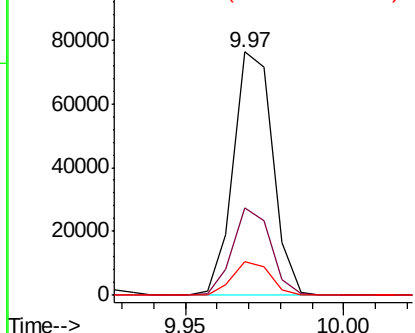


Abundance

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



#58
Fluorene
Concen: 5.423 ng
RT: 10.31 min Scan# 1398
Delta R.T. -0.01 min
Lab File: BF112735.D
Acq: 27 Feb 2019 22:50

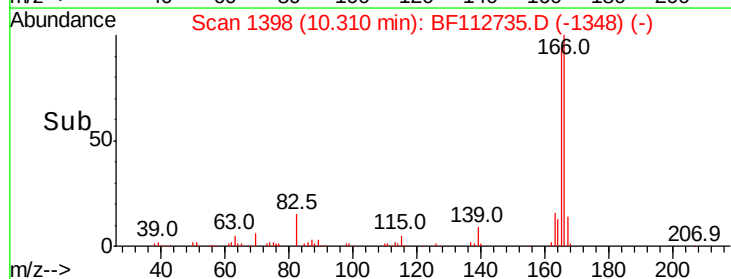
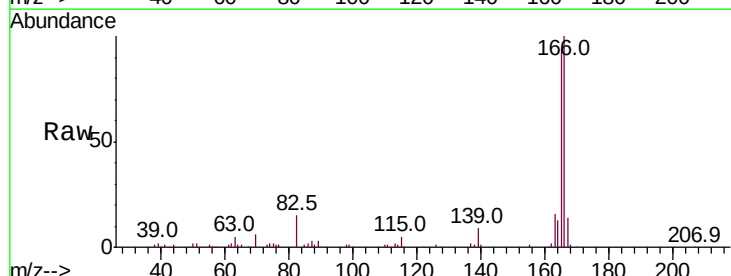
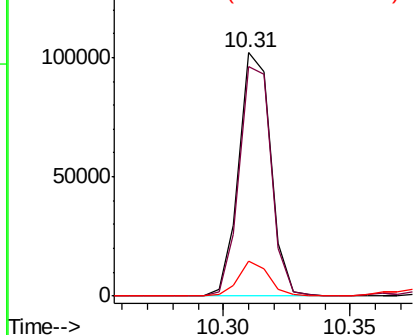
Tgt Ion	Ratio	Lower	Upper
166	100		
165	94.5	74.7	112.1
167	14.2	11.0	16.6

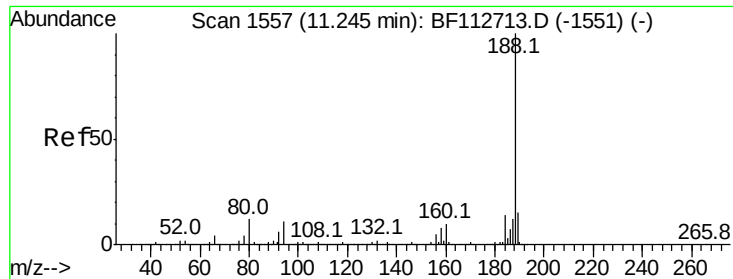
Abundance

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





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.25 min Scan# 1557

Delta R.T. 0.00 min

Lab File: BF112735.D

Acq: 27 Feb 2019 22:50

Instrument :

BNA_F

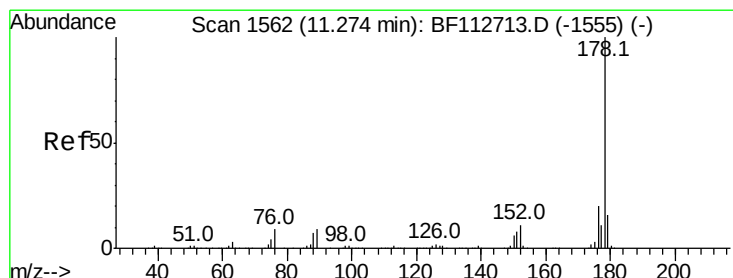
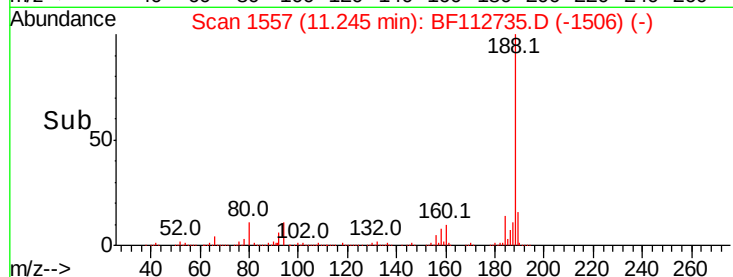
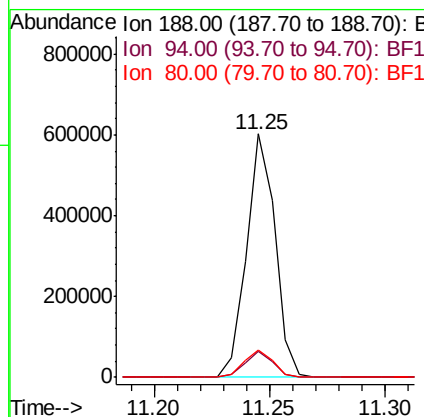
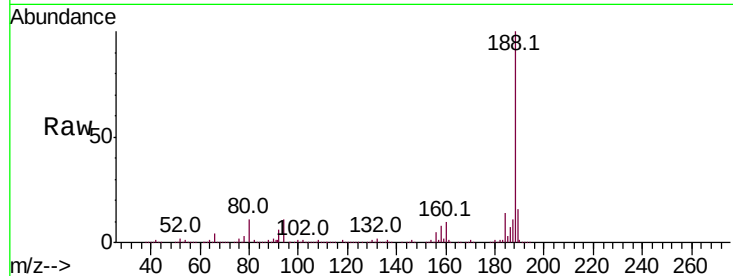
ClientSampled :

SB-01-(6-2)

Tot Ion:188	Resp: 519807
Ion Ratio	Lower Upper
188 100	
94 10.8	9.0 13.4
80 11.3	9.2 13.8

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2/28/2019 12:47:24 PM



#71

Phenanthrene

Concen: 37.329 ng

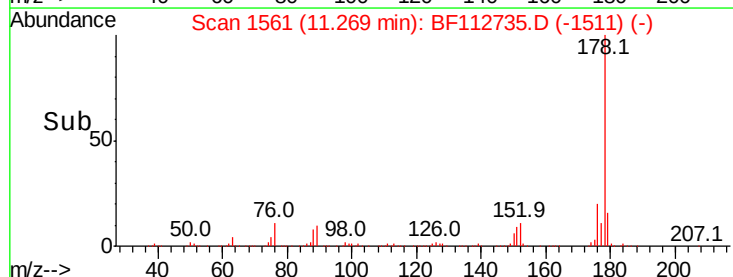
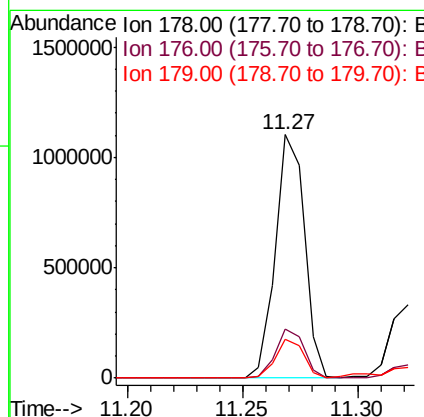
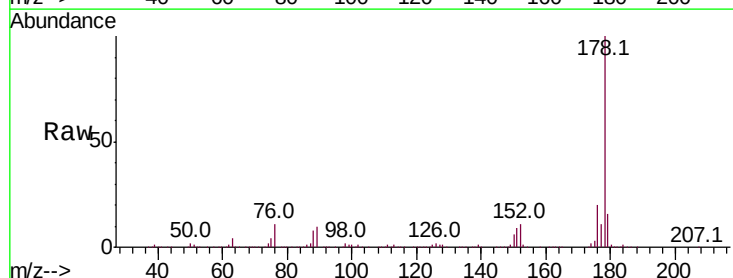
RT: 11.27 min Scan# 1561

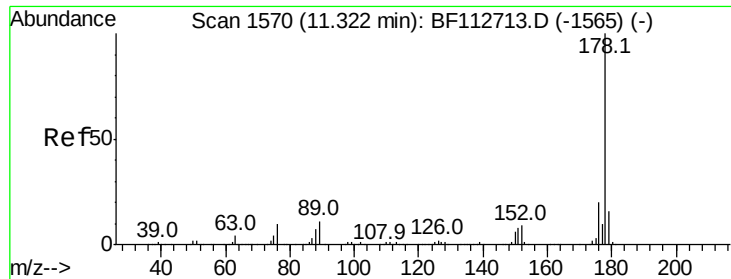
Delta R.T. -0.01 min

Lab File: BF112735.D

Acq: 27 Feb 2019 22:50

Tgt Ion:178	Resp: 965407
Ion Ratio	Lower Upper
178 100	
176 20.0	16.3 24.5
179 16.1	12.7 19.1





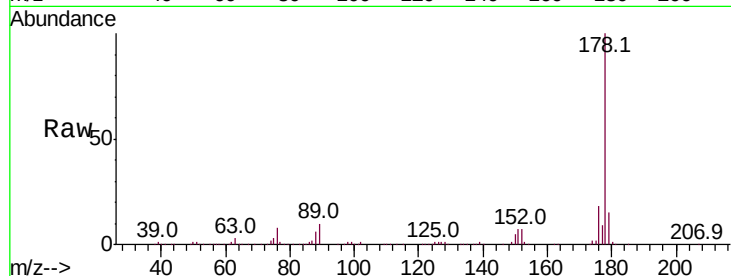
#72
 Anthracene
 Concen: 10.050 ng
 RT: 11.32 min Scan# 1570
 Delta R.T. 0.00 min
 Lab File: BF112735.D
 Acq: 27 Feb 2019 22:50

Instrument :
 BNA_F
 ClientSampled :
 SB-01-(6-2)

Tot Ion	Ratio	Lower	Upper
178	100		
176	18.1	15.8	23.6
179	15.4	13.0	19.6

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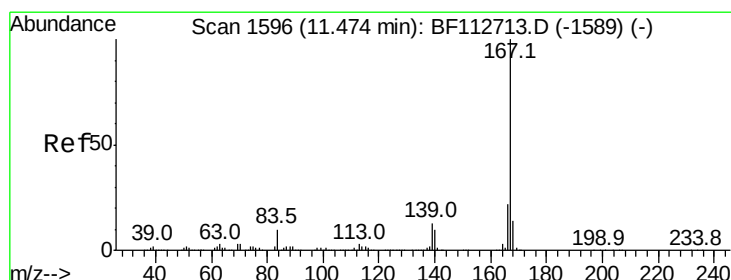
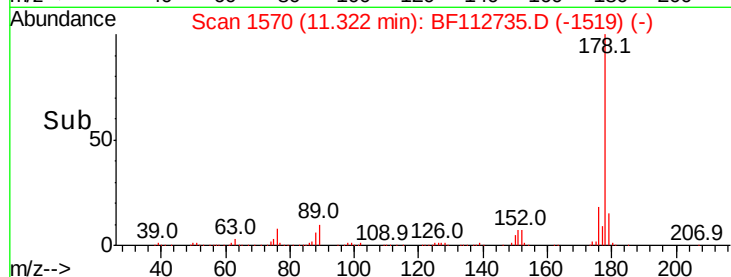
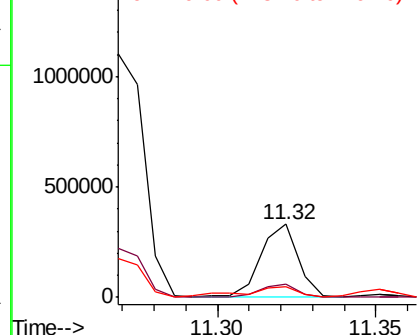


Abundance

Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



#73
 Carbazole
 Concen: 6.712 ng
 RT: 11.47 min Scan# 1595
 Delta R.T. -0.01 min
 Lab File: BF112735.D
 Acq: 27 Feb 2019 22:50

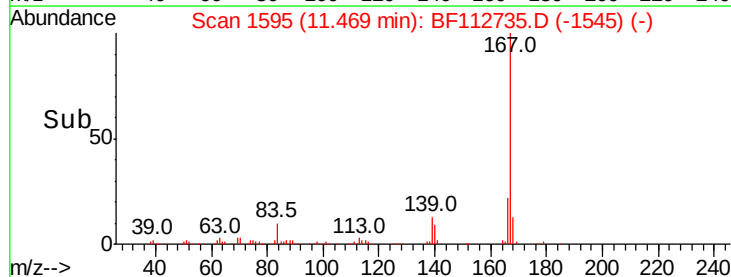
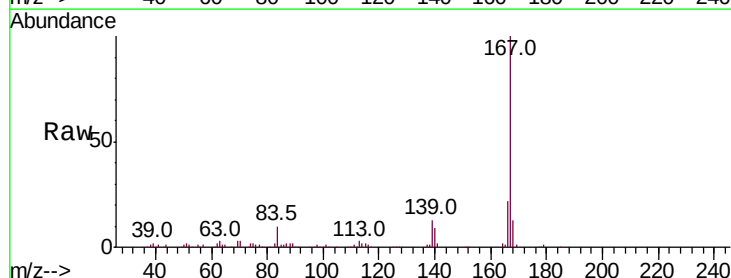
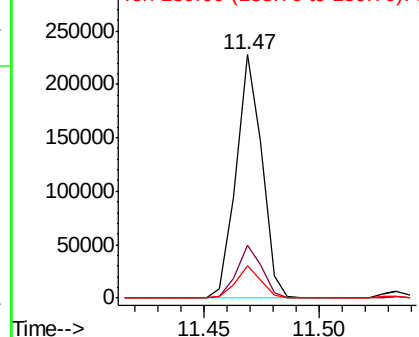
Tgt Ion	Ratio	Lower	Upper
167	100		
166	21.7	17.5	26.3
139	13.1	10.8	16.2

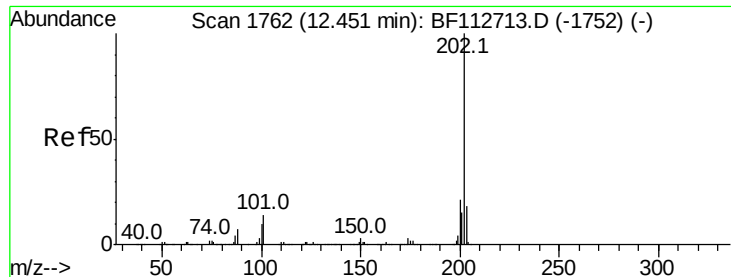
Abundance

Ion 167.00 (166.70 to 167.70): E

Ion 166.00 (165.70 to 166.70): E

Ion 139.00 (138.70 to 139.70): E





#75

Fluoranthene

Concen: 60.977 ng

RT: 12.46 min Scan# 1763

Delta R.T. 0.01 min

Lab File: BF112735.D

Acq: 27 Feb 2019 22:50

Instrument :

BNA_F

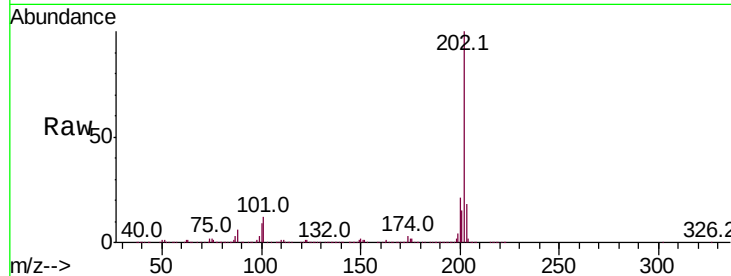
ClientSampled :

SB-01-(6-2)

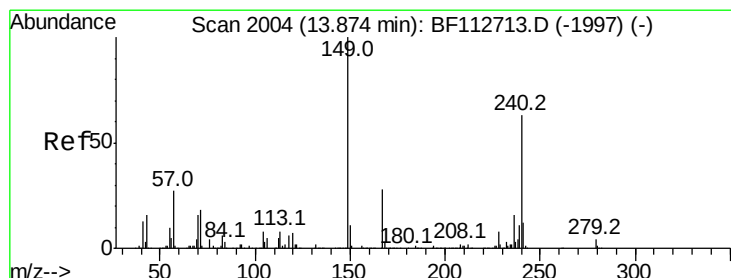
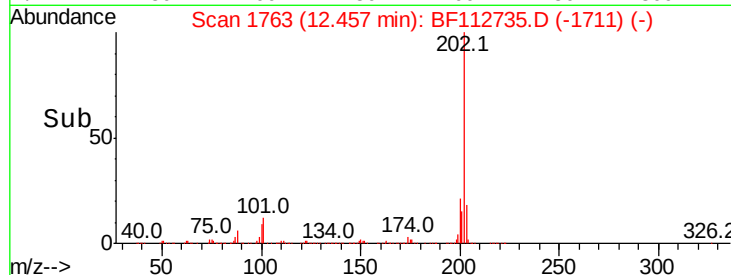
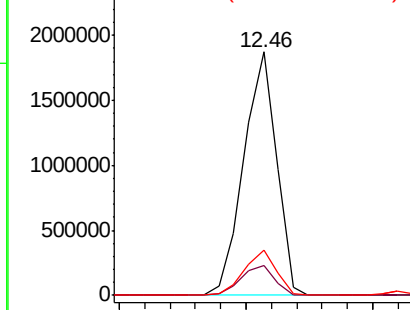
Tot Ion:	202	Resp:	1689597
Ion	Ratio	Lower	Upper
202	100		
101	12.4	0.0	33.8
203	18.4	0.0	38.4

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Abundance Ion 202.00 (201.70 to 202.70): E
Ion 101.00 (100.70 to 101.70): E
Ion 203.00 (202.70 to 203.70): E



#76

Chrysene-d12

Concen: 20.000 ng

RT: 13.87 min Scan# 2004

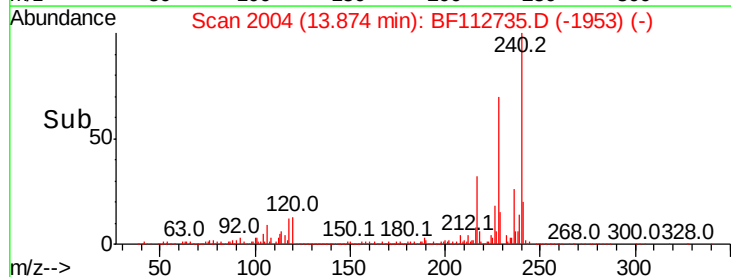
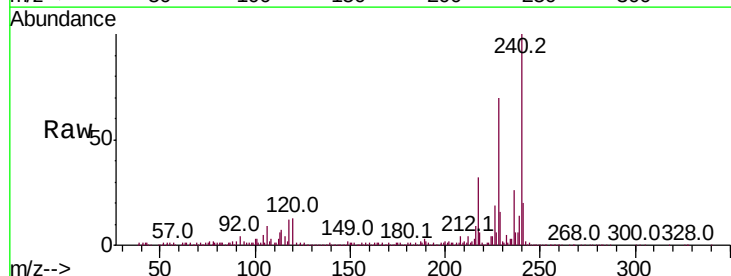
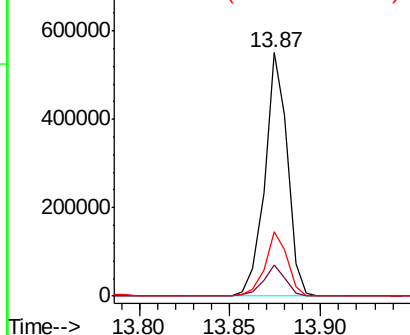
Delta R.T. 0.00 min

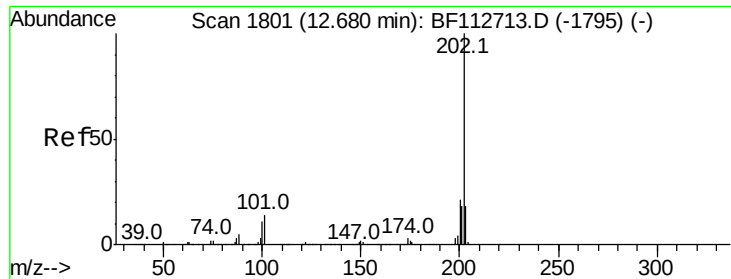
Lab File: BF112735.D

Acq: 27 Feb 2019 22:50

Tgt Ion:	240	Resp:	474691
Ion	Ratio	Lower	Upper
240	100		
120	13.0	8.9	13.3
236	26.5	20.7	31.1

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





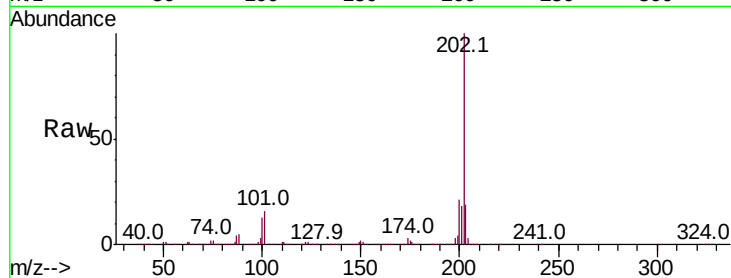
#78
Pvrene
Concen: 40.077 ng
RT: 12.68 min Scan# 1801
Delta R.T. 0.00 min
Lab File: BF112735.D
Acq: 27 Feb 2019 22:50

Instrument :
BNA_F
ClientSampled :
SB-01-(6-2)

Tot Ion	Ratio	Lower	Upper
202	100		
200	20.7	17.0	25.4
203	19.2	14.4	21.6

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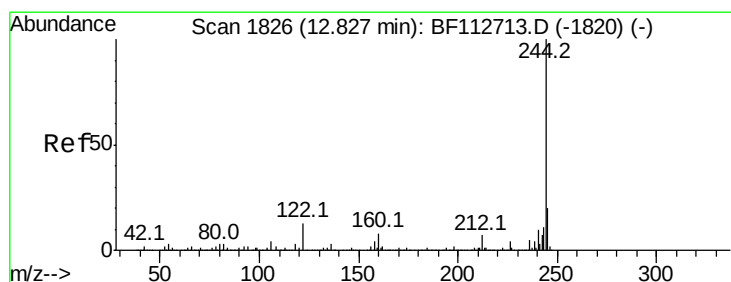
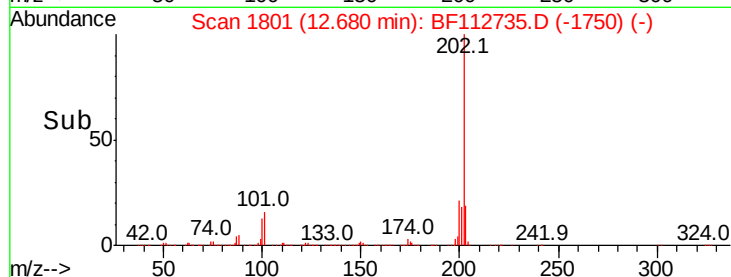
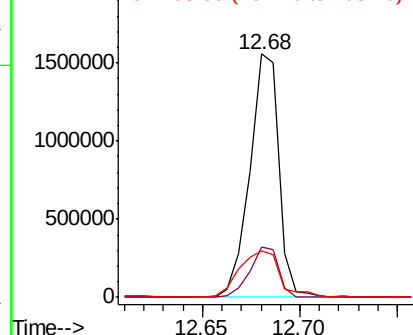


Abundance

Ion 202.00 (201.70 to 202.70): E

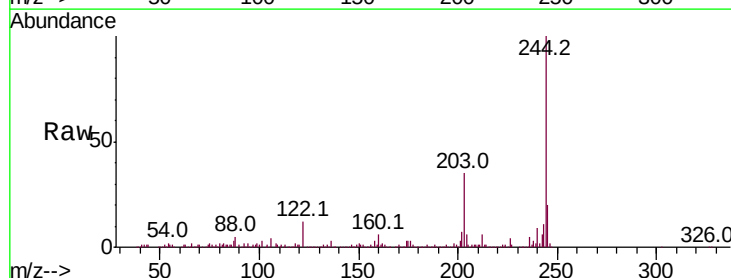
Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E



#79
Terphenyl-d14
Concen: 10.736 ng
RT: 12.83 min Scan# 1826
Delta R.T. 0.00 min
Lab File: BF112735.D
Acq: 27 Feb 2019 22:50

Tgt Ion	Ratio	Lower	Upper
244	100		
212	6.3	5.6	8.4
122	11.8	10.5	15.7

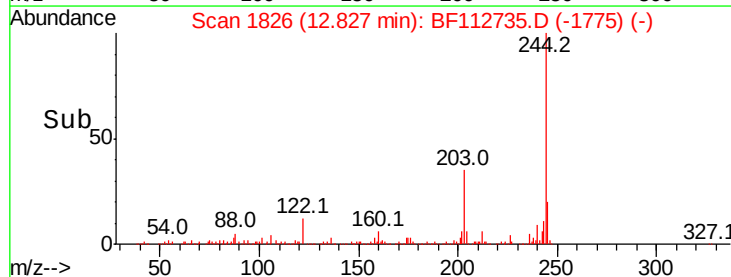
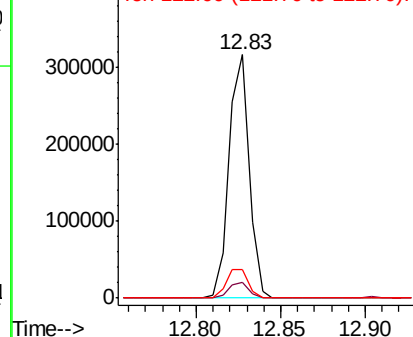


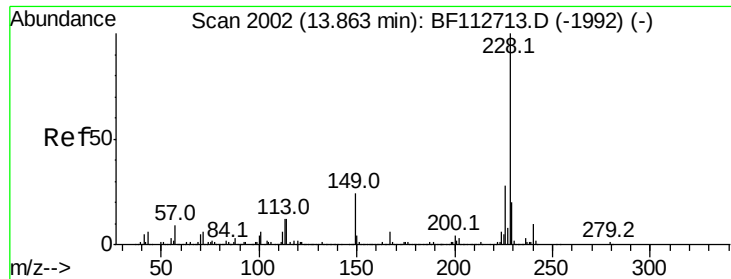
Abundance

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





#81

Benzo(a)anthracene

Concen: 36.551 ng

RT: 13.86 min Scan# 2002

Delta R.T. 0.00 min

Lab File: BF112735.D

Acq: 27 Feb 2019 22:50

Instrument :

BNA_F

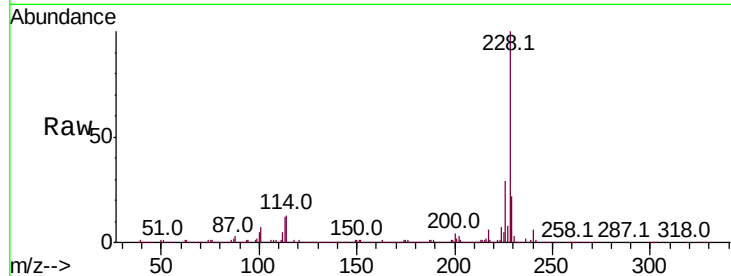
ClientSampled :

SB-01-(6-2)

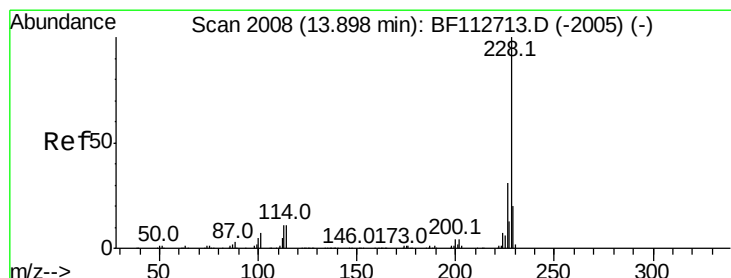
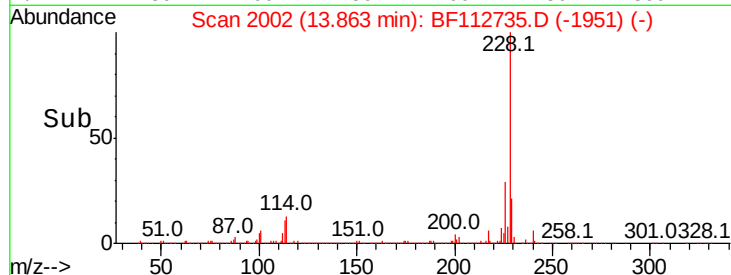
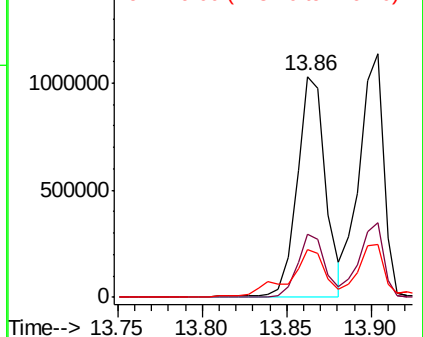
Tot	Ion:228	Resp: 1202517	
Ion	Ratio	Lower	Upper
228	100		
226	28.6	22.2	33.4
229	21.5	16.0	24.0

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



#83

Chrysene

Concen: 35.274 ng

RT: 13.90 min Scan# 2009

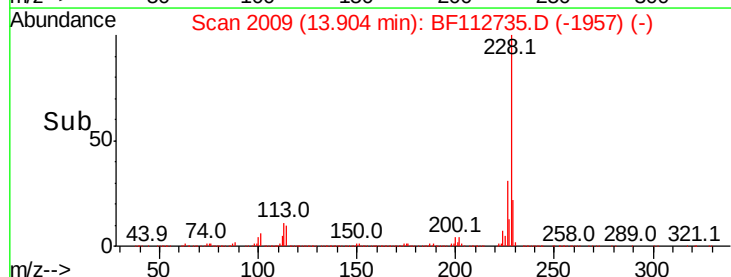
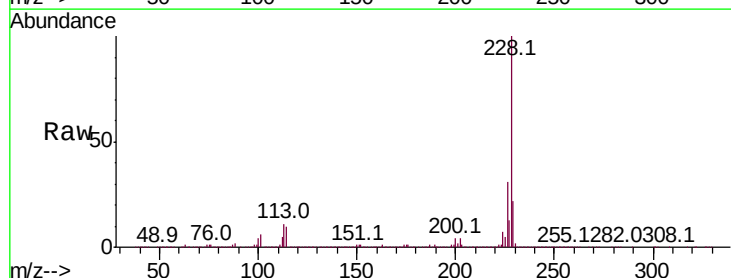
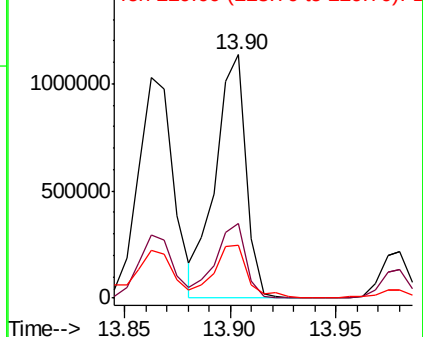
Delta R.T. 0.01 min

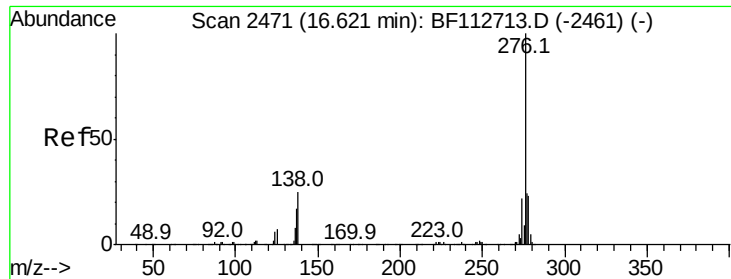
Lab File: BF112735.D

Acq: 27 Feb 2019 22:50

Tgt	Ion:228	Resp: 1136741	
Ion	Ratio	Lower	Upper
228	100		
226	30.6	24.9	37.3
229	21.9	16.3	24.5

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





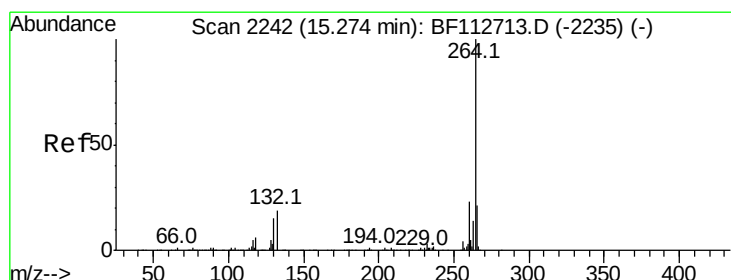
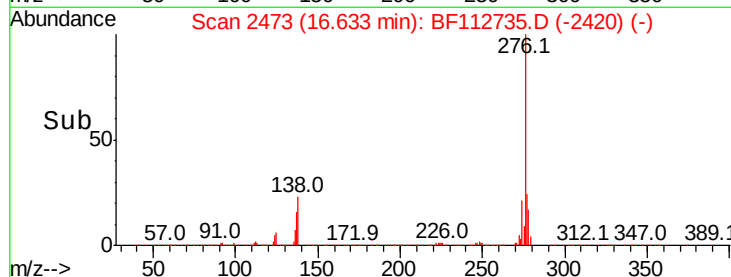
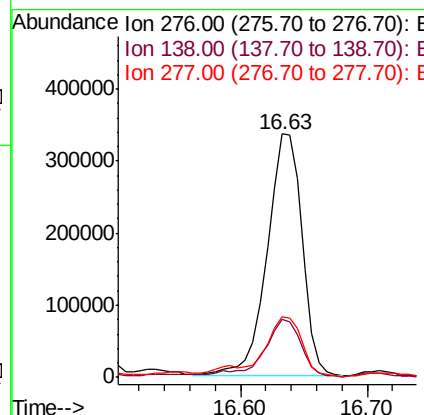
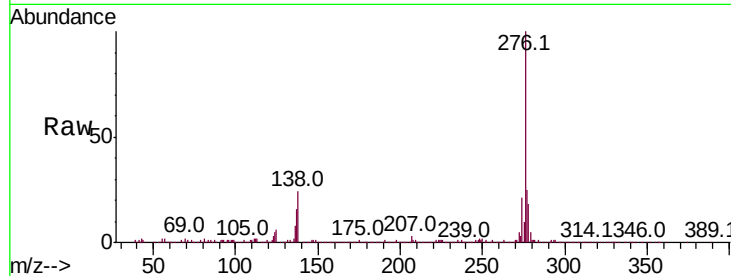
#86
Indeno(1,2,3-cd)pyrene
Concen: 23.481 ng
RT: 16.63 min Scan# 2473
Delta R.T. 0.01 min
Lab File: BF112735.D
Acq: 27 Feb 2019 22:50

Instrument :
BNA_F
ClientSampled :
SB-01-(6-2)

Tot Ion	Ratio	Lower	Upper
276	100		
138	24.7	23.2	34.8
277	24.8	19.9	29.9

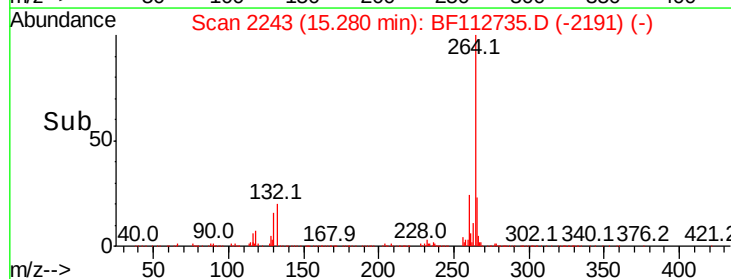
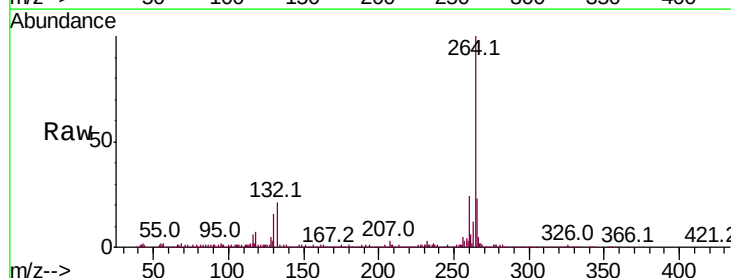
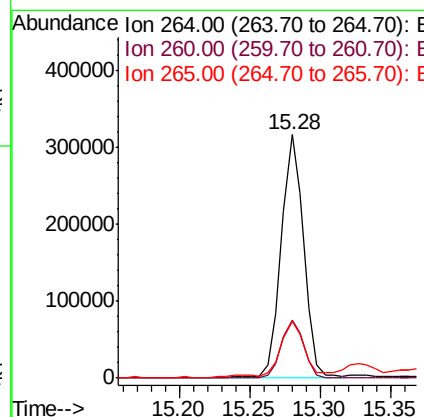
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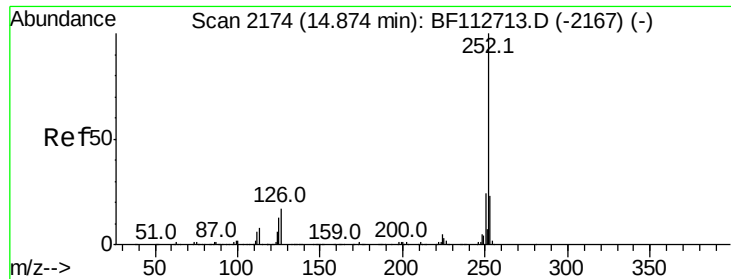
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#87
Perylene-d12
Concen: 20.000 ng
RT: 15.28 min Scan# 2243
Delta R.T. 0.01 min
Lab File: BF112735.D
Acq: 27 Feb 2019 22:50

Tgt Ion	Ratio	Lower	Upper
264	100		
260	23.9	18.7	28.1
265	23.5	17.2	25.8





#88

Benzo(b)fluoranthene

Concen: 66.570 ng m

RT: 14.89 min Scan# 2176

Delta R.T. 0.01 min

Lab File: BF112735.D

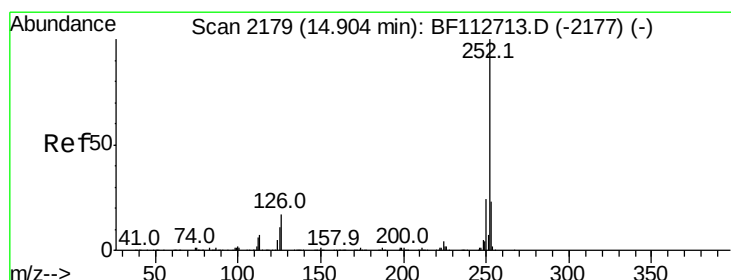
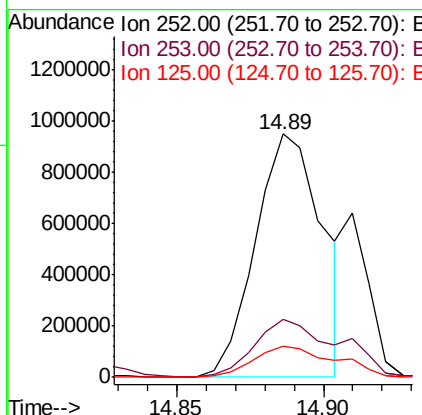
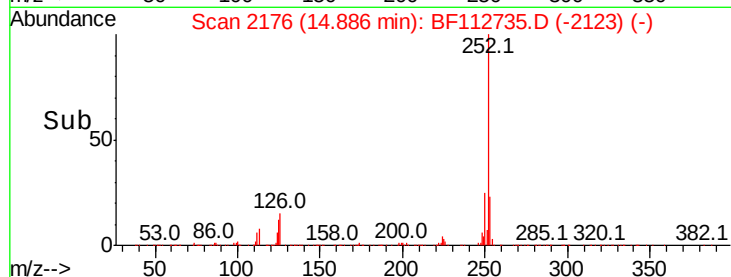
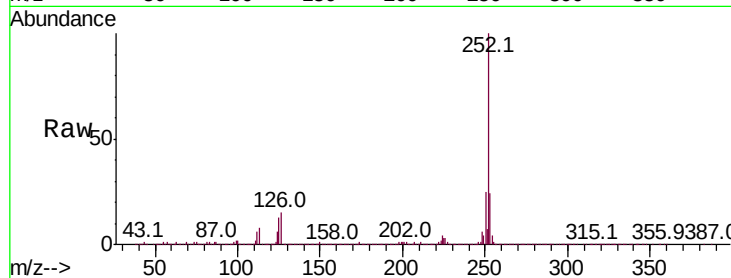
Acq: 27 Feb 2019 22:50

Instrument :
BNA_F
ClientSampleId :
SB-01-(6-2)

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.7	18.0	27.0
125	12.7	10.2	15.2

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#89

Benzo(k)fluoranthene

Concen: 18.579 ng m

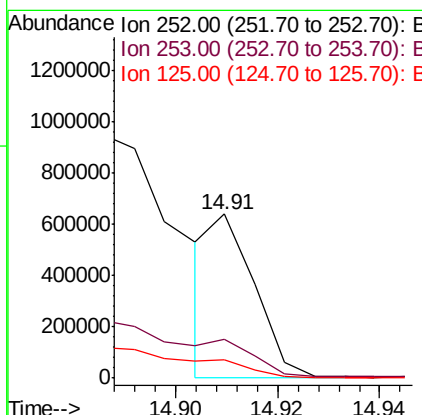
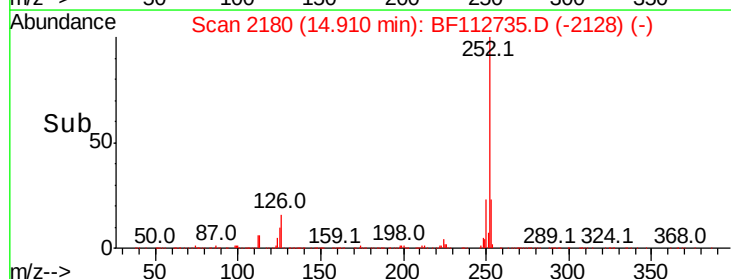
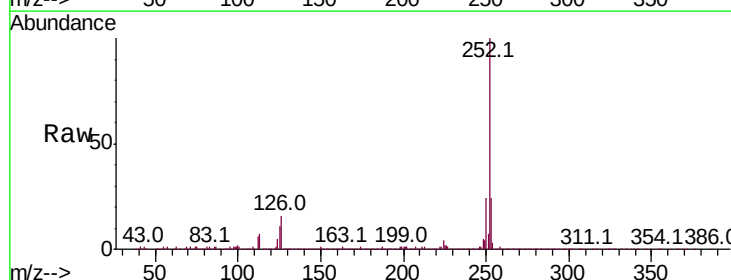
RT: 14.91 min Scan# 2180

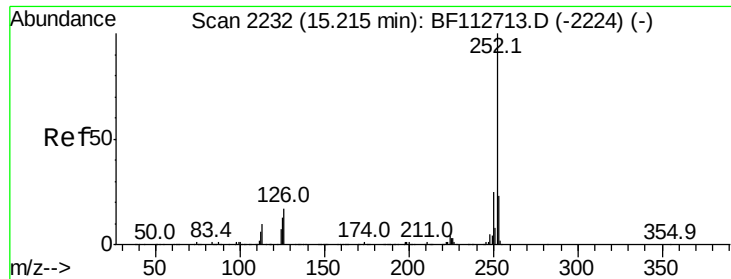
Delta R.T. 0.01 min

Lab File: BF112735.D

Acq: 27 Feb 2019 22:50

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.9	18.2	27.2
125	10.9	9.8	14.6





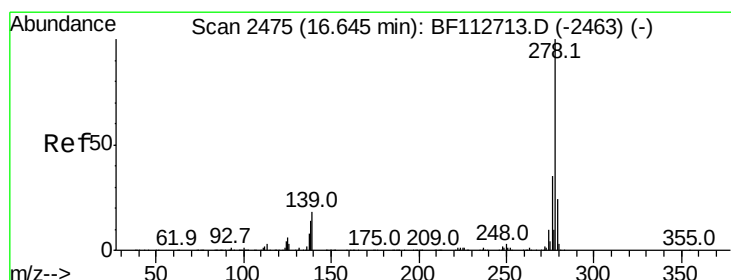
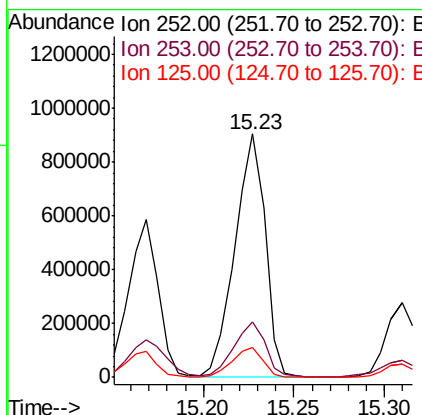
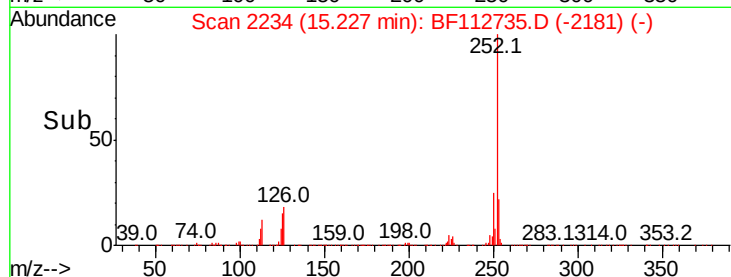
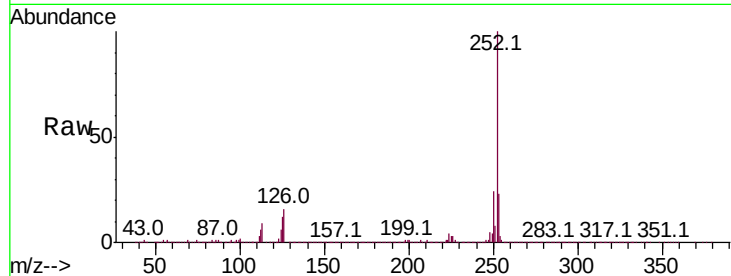
#90
Benzo(a)pyrene
Concen: 52.160 ng
RT: 15.23 min Scan# 2234
Delta R.T. 0.01 min
Lab File: BF112735.D
Acq: 27 Feb 2019 22:50

Instrument :
BNA_F
ClientSampleId :
SB-01-(6-2)

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.0	18.0	27.0
125	12.2	10.7	16.1

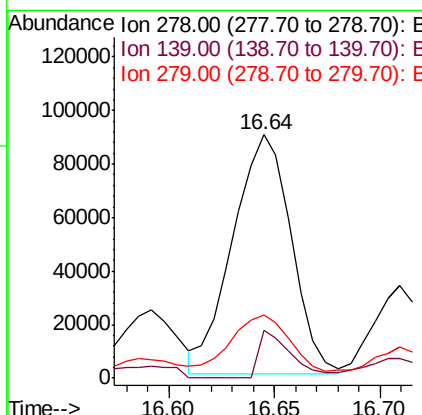
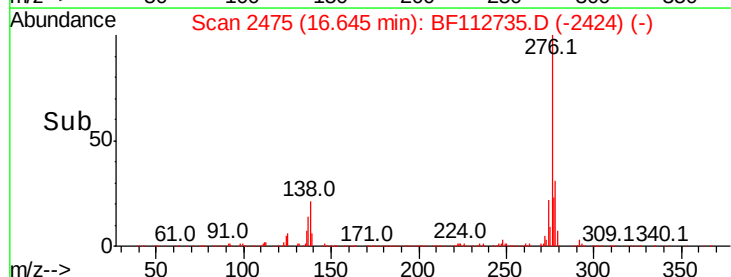
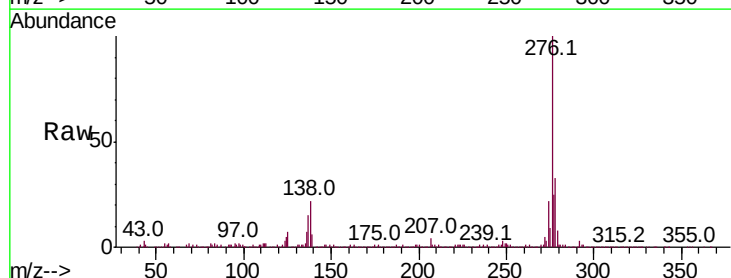
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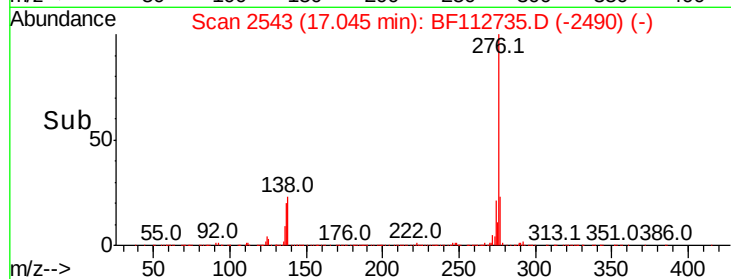
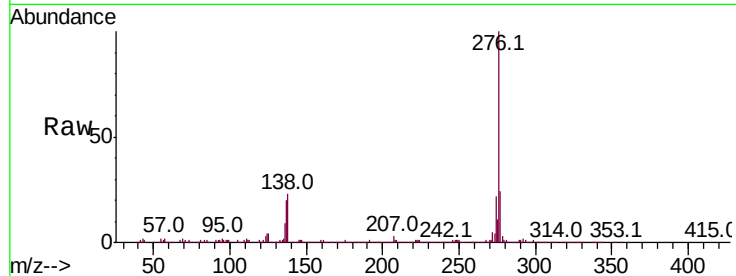
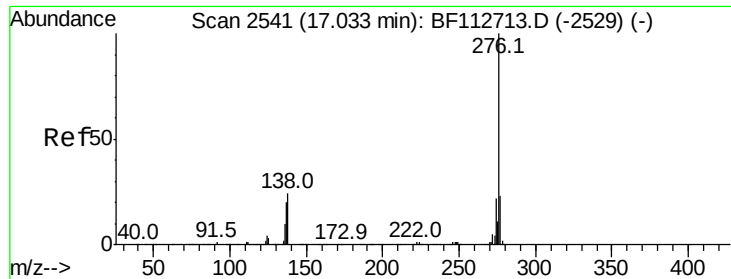
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#91
Dibenzo(a,h)anthracene
Concen: 10.040 ng
RT: 16.64 min Scan# 2475
Delta R.T. 0.00 min
Lab File: BF112735.D
Acq: 27 Feb 2019 22:50

Tgt Ion	Ratio	Lower	Upper
278	100		
139	19.6	14.3	21.5
279	25.7	19.4	29.0





#92

Benzo(a,h,i)perylene

Concen: 34.574 ng

RT: 17.04 min Scan# 2543

Delta R.T. 0.01 min

Lab File: BF112735.D

Acq: 27 Feb 2019 22:50

Instrument :

BNA_F

ClientSampleId :

SB-01-(6-2)

Tot Ion	Ratio	Lower	Upper
276	100		
277	24.0	18.6	27.8
138	23.3	19.4	29.0

Manual Integrations
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