

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF103018\
 Data File : BF110319.D
 Acq On : 30 Oct 2018 22:33
 Operator : JU/SJ
 Sample : J5711-05
 Misc :
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SB-6

Manual Integrations
 APPROVED

Sohil
 10/31/2018 11:15:08 AM

Quant Time: Oct 31 07:27:41 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF102318.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Oct 29 17:29:00 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.97	152	95880	20.00	ng	0.00
21) Naphthalene-d8	8.26	136	382712	20.00	ng	0.00
39) Acenaphthene-d10	10.02	164	160667	20.00	ng	0.00
64) Phenanthrene-d10	11.51	188	233519	20.00	ng	0.00
76) Chrysene-d12	14.16	240	176208	20.00	ng	0.00
87) Perylene-d12	15.70	264	122785	20.00	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.59	112	516669	87.75	ng	0.00
7) Phenol-d6	6.59	99	656837	87.22	ng	0.00
23) Nitrobenzene-d5	7.53	82	398422	61.75	ng	0.00
42) 2,4,6-Tribromophenol	10.81	330	109009	68.49	ng	0.00
45) 2-Fluorobiphenyl	9.33	172	675173	65.99	ng	0.00
79) Terphenyl-d14	13.09	244	434270	51.26	ng	0.00
Target Compounds						
10) Phenol	6.60	94	34501	4.286	ng	Qvalue # 71
31) Naphthalene	8.27	128	151734	8.602	ng	99
37) 2-Methylnaphthalene	8.97	142	42701	3.659	ng	97
38) 1-Methylnaphthalene	9.07	142	40331m	3.576	ng	
50) Dimethylphthalate	9.72	163	109806	9.258	ng	99
52) Acenaphthene	10.05	154	148594	14.592	ng	96
55) Dibenzofuran	10.22	168	117295	8.227	ng	95
58) Fluorene	10.56	166	115694	10.903	ng	99
71) Phenanthrene	11.54	178	1359970	111.301	ng	99
72) Anthracene	11.59	178	360544	29.438	ng	99
73) Carbazole	11.74	167	114222	9.552	ng	98
75) Fluoranthene	12.74	202	1400432	112.932	ng	100
78) Pvrene	12.97	202	1278346	101.194	ng	99
81) Benzo(a)anthracene	14.16	228	563369	53.914	ng	99
83) Chrysene	14.19	228	493890	49.762	ng	97
86) Indeno(1,2,3-cd)pyrene	17.28	276	212894	25.856	ng	98
88) Benzo(b)fluoranthene	15.24	252	495744m	69.918	ng	
89) Benzo(k)fluoranthene	15.27	252	168592m	24.186	ng	
90) Benzo(a)pvrene	15.64	252	355687	54.517	ng	99
91) Dibenzo(a,h)anthracene	17.29	278	50159m	8.910	ng	
92) Benzo(g,h,i)perylene	17.77	276	221590	39.945	ng	97

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

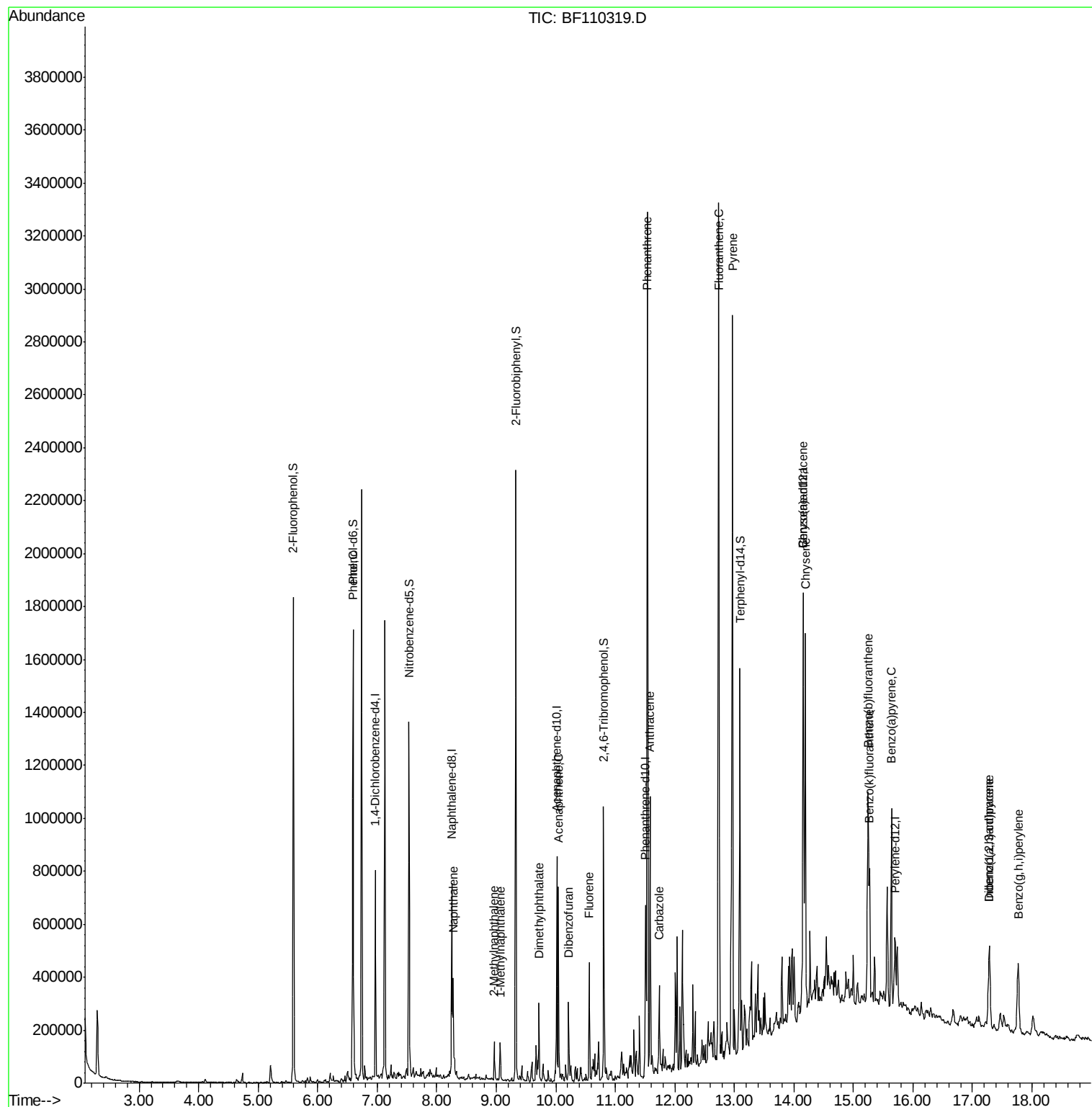
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF103018\
Data File : BF110319.D
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Operator : JU/SJ
Sample : J5711-05
Misc :
ALS Vial : 23 Sample Multiplier: 1

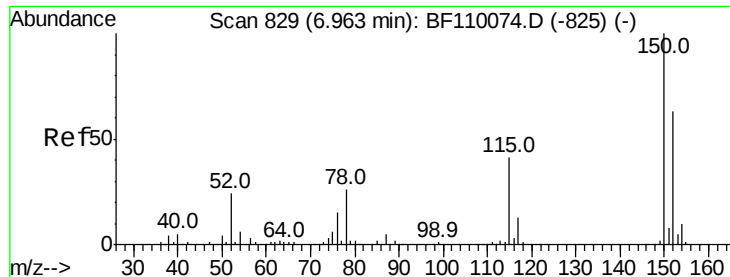
Instrument :
BNA_F
ClientSampleId :
SB-6

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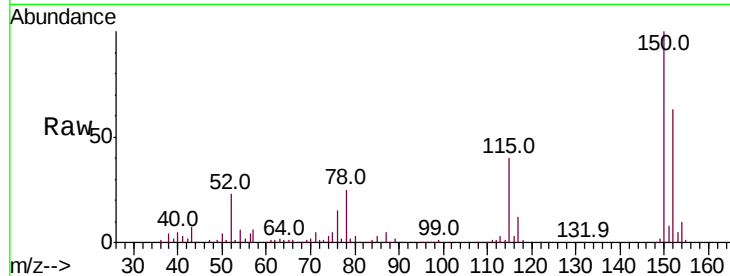
#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.97 min Scan# 830
 Delta R.T. -0.00 min
 Lab File: BF110319.D
 Acq: 30 Oct 2018 22:33

Instrument :
 BNA_F
 ClientSampled :
 SB-6

Tot Ion	Ratio	Lower	Upper
152	100		
150	158.9	122.7	184.1
115	64.2	49.1	73.7

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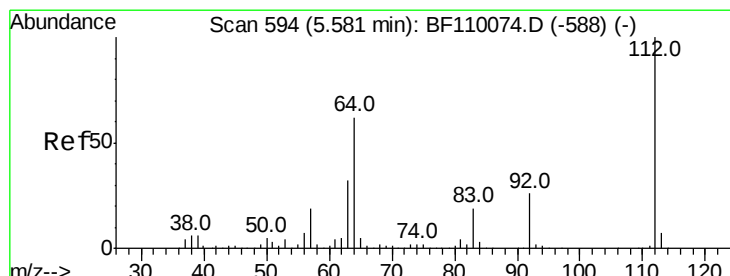
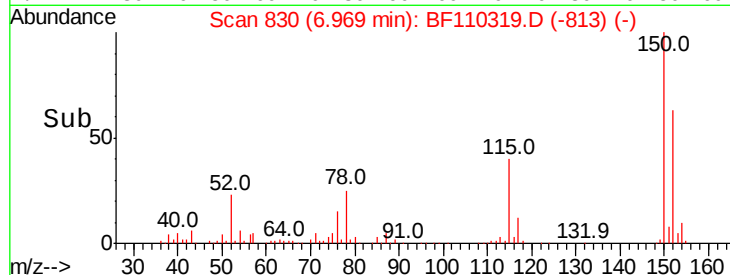
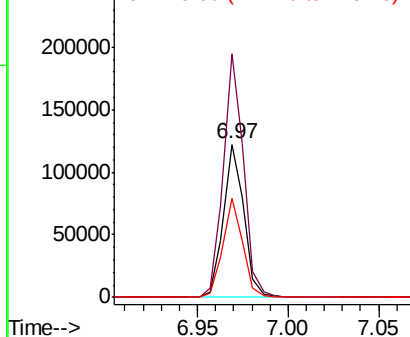


Abundance

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: 87.752 ng
 RT: 5.59 min Scan# 596
 Delta R.T. 0.01 min
 Lab File: BF110319.D
 Acq: 30 Oct 2018 22:33

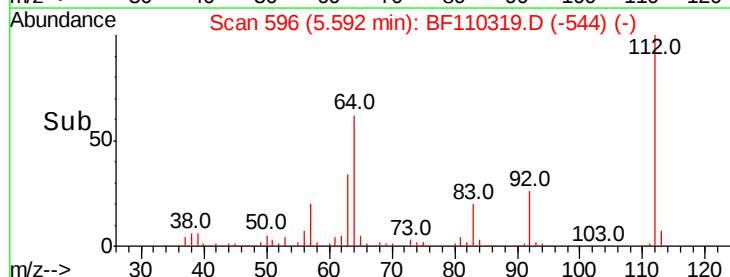
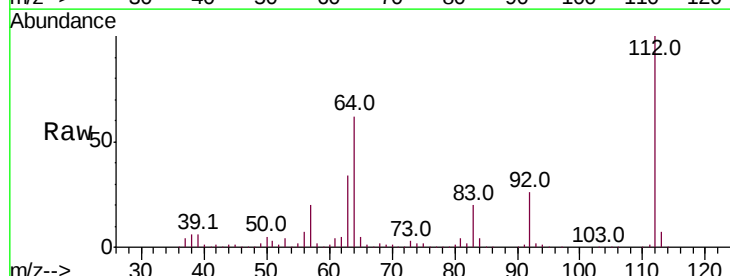
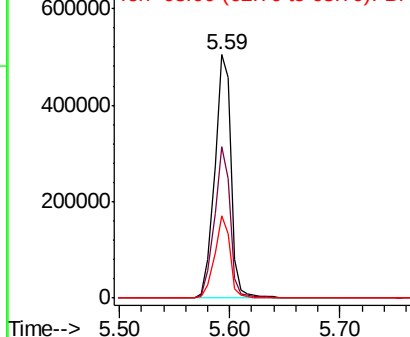
Tgt Ion	Ratio	Lower	Upper
112	100		
64	62.0	44.1	66.1
63	33.7	23.7	35.5

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: 87.218 ng

RT: 6.59 min Scan# 766

Delta R.T. -0.00 min

Lab File: BF110319.D

Acq: 30 Oct 2018 22:33

Instrument :

BNA_F

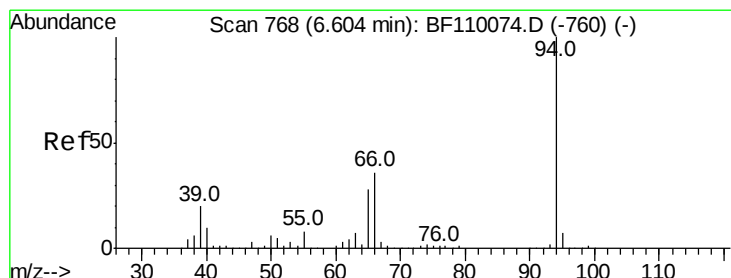
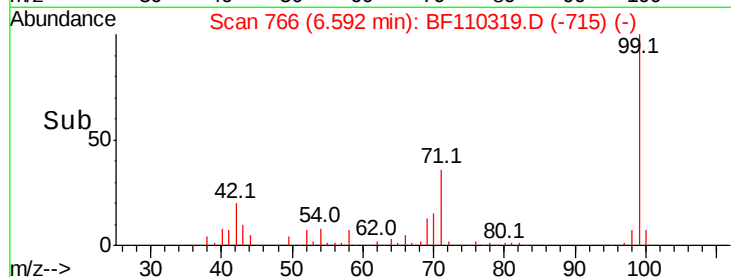
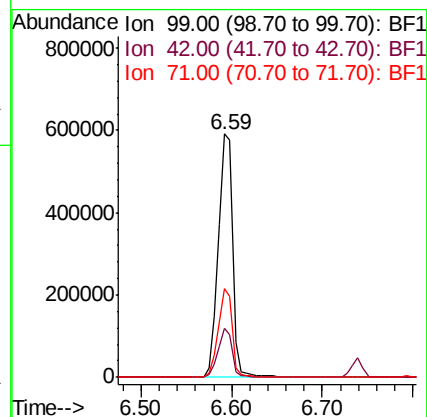
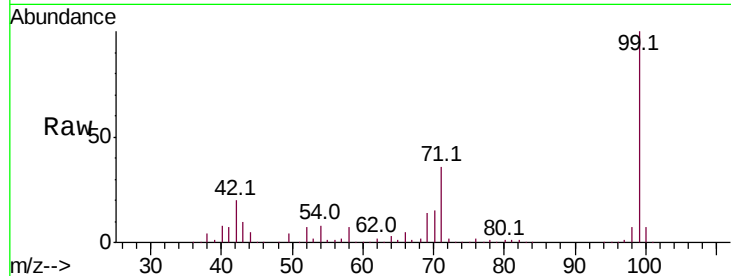
ClientSampled :

SB-6

Tot Ion:	99	Resp:	656837
Ion Ratio	Lower	Upper	
99	100		
42	20.0	15.8	23.6
71	36.3	28.0	42.0

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#10

Phenol

Concen: 4.286 ng

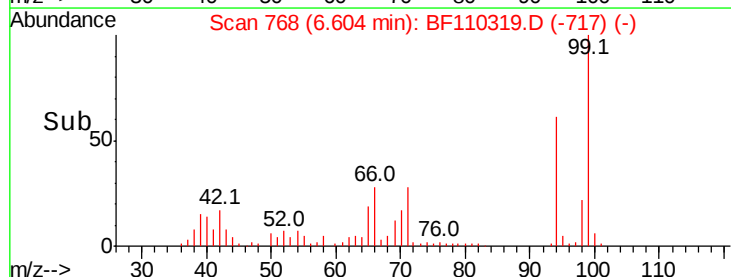
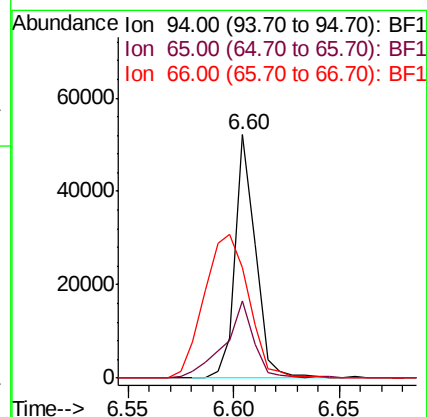
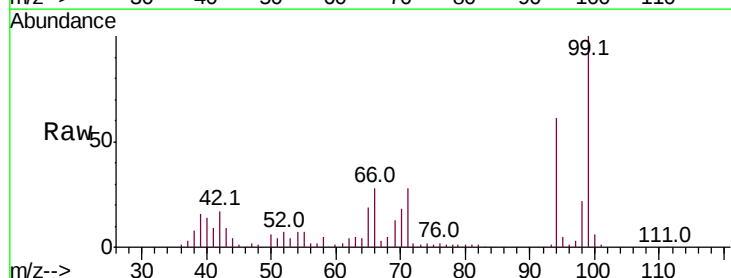
RT: 6.60 min Scan# 768

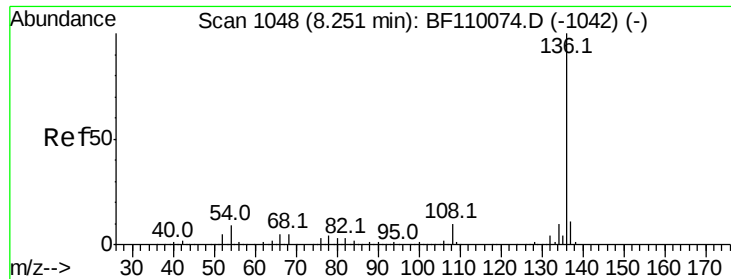
Delta R.T. -0.00 min

Lab File: BF110319.D

Acq: 30 Oct 2018 22:33

Tgt Ion:	94	Resp:	34501
Ion Ratio	Lower	Upper	
94	100		
65	31.7	25.3	65.3
66	45.2	54.5	94.5#





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.26 min Scan# 1049

Delta R.T. 0.01 min

Lab File: BF110319.D

Acq: 30 Oct 2018 22:33

Instrument :

BNA_F

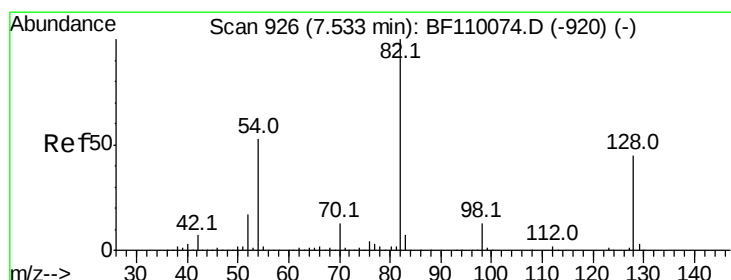
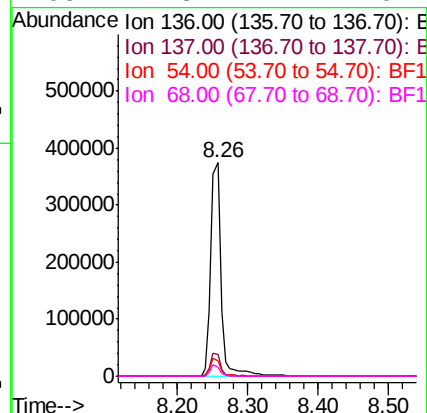
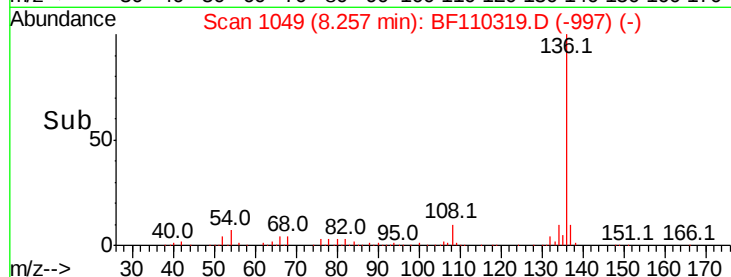
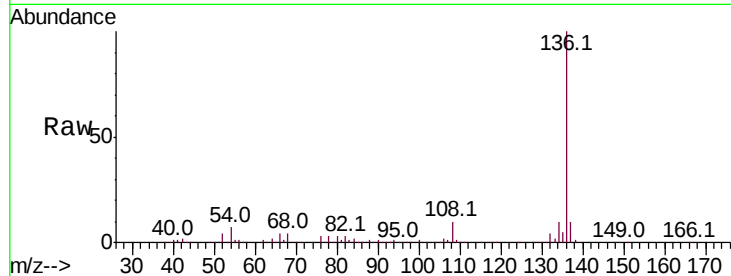
ClientSampled :

SB-6

Tot Ion	Ratio	Resp Lower	Upper
136	100		
137	10.3	8.8	13.2
54	7.0	5.4	8.2
68	4.3	4.2	6.2

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#23

Nitrobenzene-d5

Concen: 61.748 ng

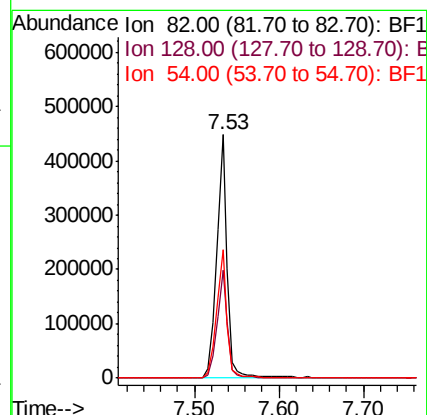
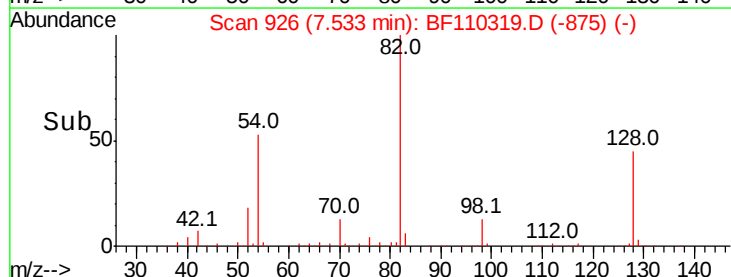
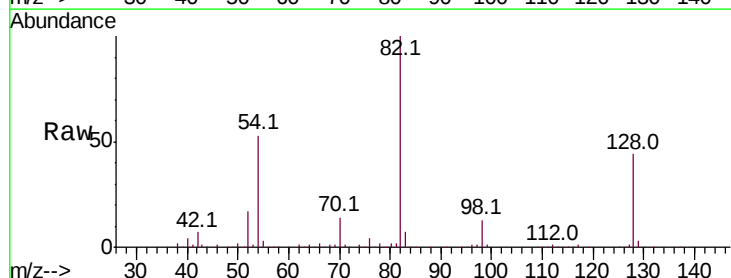
RT: 7.53 min Scan# 926

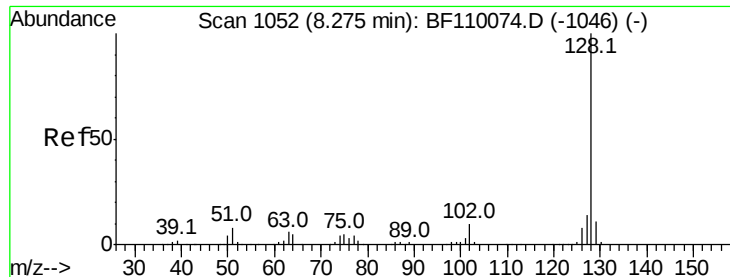
Delta R.T. -0.00 min

Lab File: BF110319.D

Acq: 30 Oct 2018 22:33

Tgt Ion	Ratio	Resp Lower	Upper
82	100		
128	44.5	34.2	51.2
54	53.0	38.6	58.0





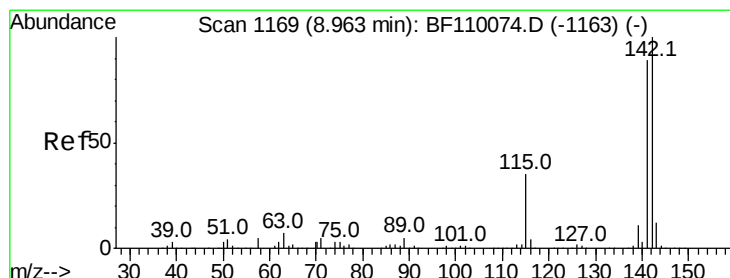
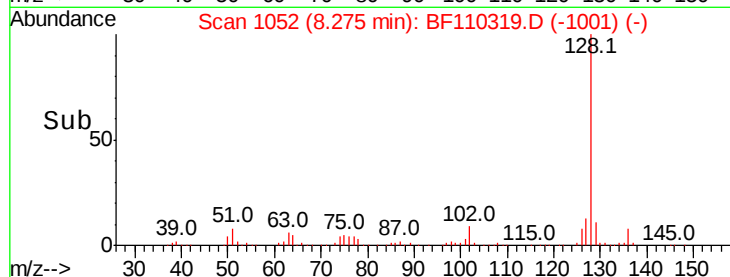
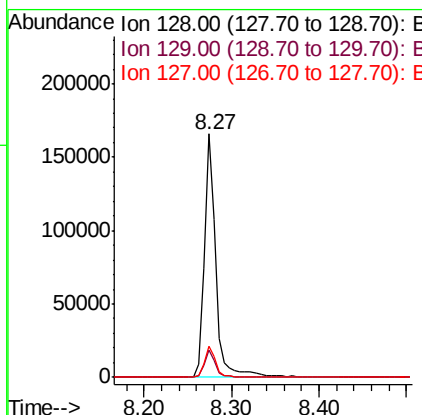
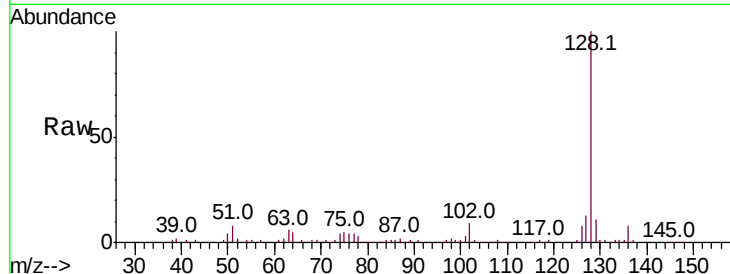
#31
Naphthalene
Concen: 8.602 ng
RT: 8.27 min Scan# 1052
Delta R.T. -0.00 min
Lab File: BF110319.D
Acq: 30 Oct 2018 22:33

Instrument :
BNA_F
ClientSampled :
SB-6

Tot Ion	Ratio	Resp	Lower	Upper
128	100	151734		
129	11.4		8.8	13.2
127	12.8		10.8	16.2

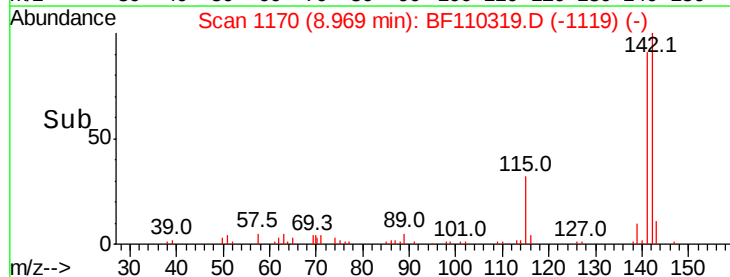
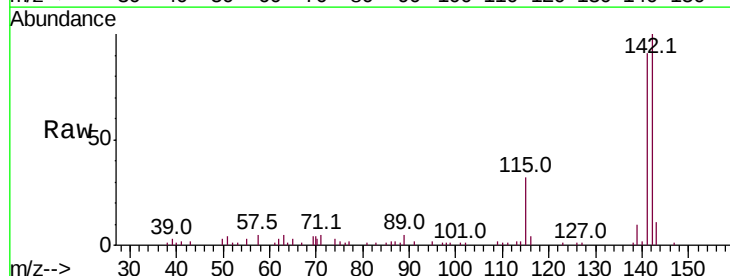
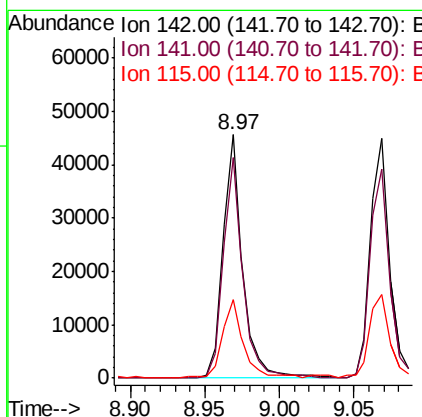
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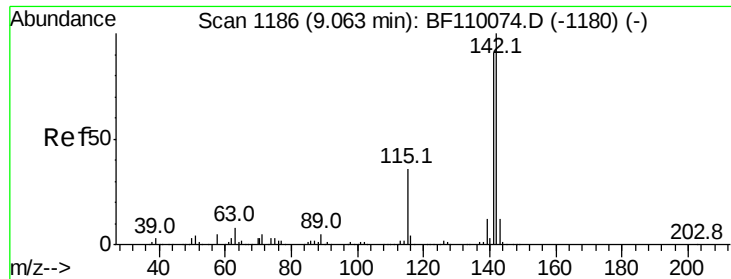
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#37
2-Methylnaphthalene
Concen: 3.659 ng
RT: 8.97 min Scan# 1170
Delta R.T. -0.00 min
Lab File: BF110319.D
Acq: 30 Oct 2018 22:33

Tgt Ion	Ratio	Resp	Lower	Upper
142	100	42701		
141	90.8		71.4	107.2
115	32.1		28.7	43.1





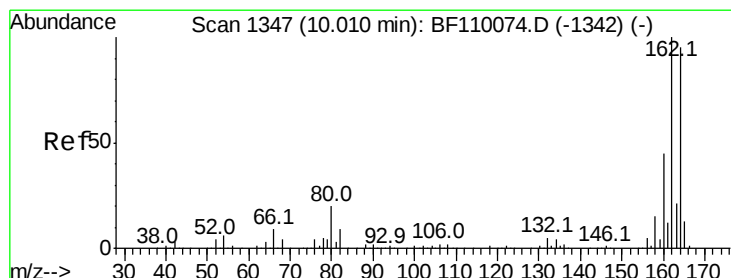
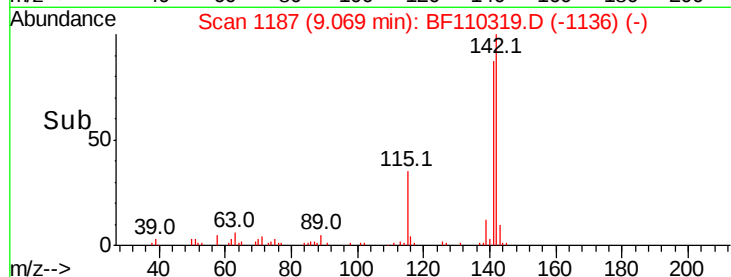
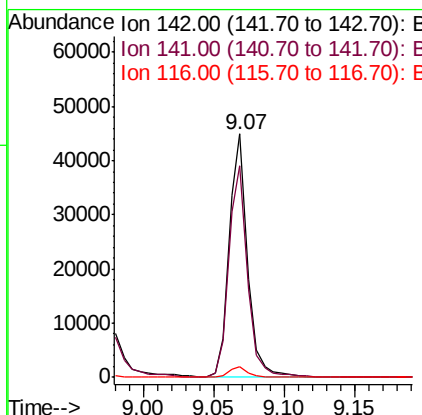
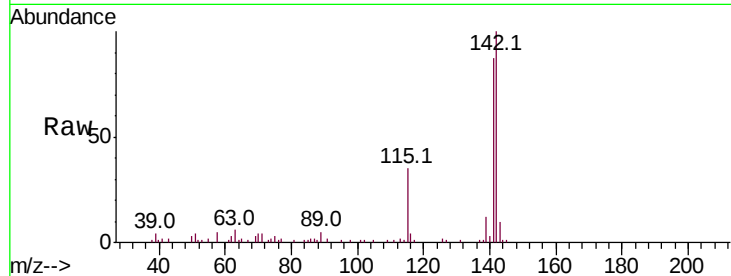
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1-Methylnaphthalene
Concen: 3.576 ng m
RT: 9.07 min Scan# 1187
Delta R.T. -0.00 min
Lab File: BF110319.D
Acq: 30 Oct 2018 22:33

Instrument :
BNA_F
ClientSampled :
SB-6

Tot Ion	Ratio	Resp	Lower	Upper
142	100	40331		
141	87.1	74.2	111.4	
116	4.4	2.6	4.0#	

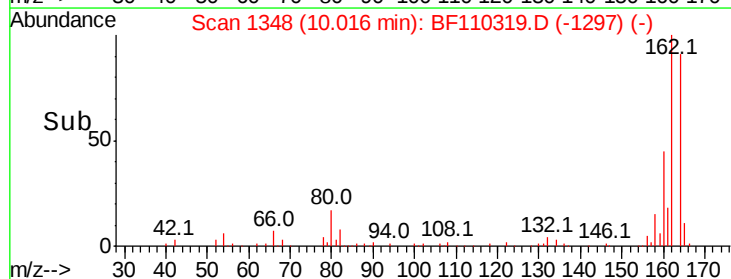
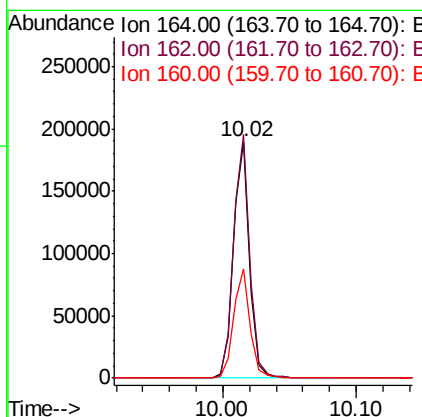
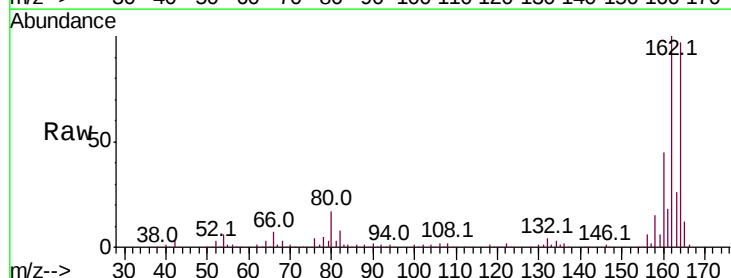
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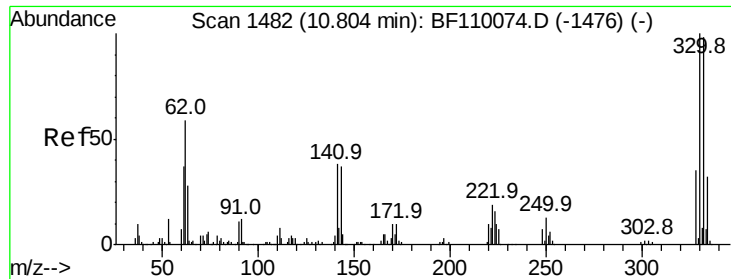
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#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 10.02 min Scan# 1348
Delta R.T. -0.00 min
Lab File: BF110319.D
Acq: 30 Oct 2018 22:33

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	160667		
162	103.2	83.0	124.6	
160	46.1	37.0	55.6	





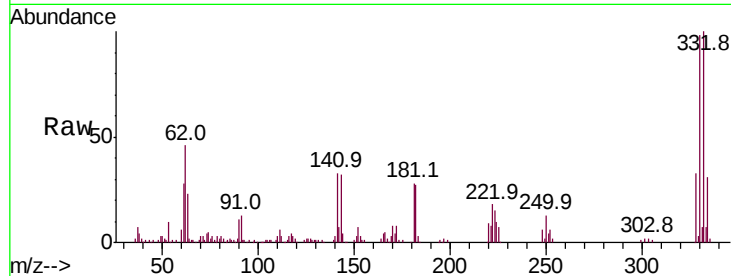
#42
 2,4,6-Tribromophenol
 Concen: 68.494 ng
 RT: 10.81 min Scan# 1483
 Delta R.T. -0.00 min
 Lab File: BF110319.D
 Acq: 30 Oct 2018 22:33

Instrument :
 BNA_F
 ClientSampled :
 SB-6

Tot Ion	Ratio	Resp	Lower	Upper
330	100	109009		
332	98.5	77.1	115.7	
141	41.4	27.0	40.4#	

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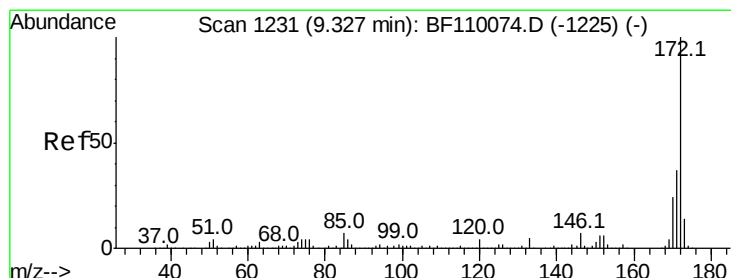
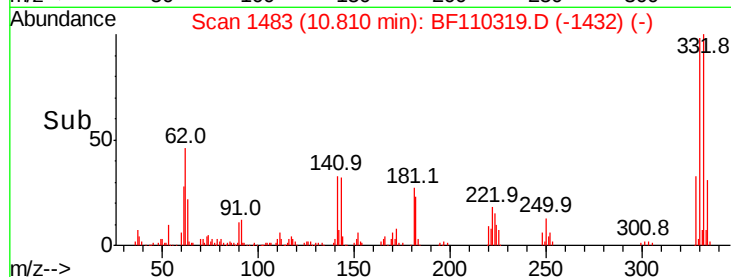
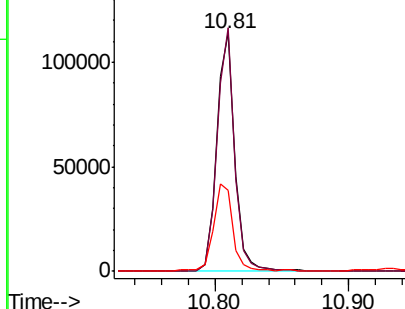


Abundance

Ion 329.80 (329.50 to 330.50): E

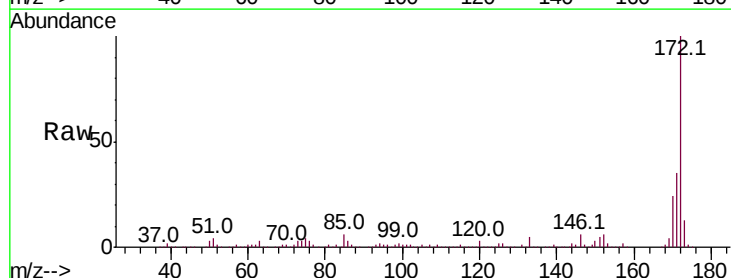
Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E



#45
 2-Fluorobiphenyl
 Concen: 65.987 ng
 RT: 9.33 min Scan# 1231
 Delta R.T. -0.00 min
 Lab File: BF110319.D
 Acq: 30 Oct 2018 22:33

Tgt Ion	Ratio	Resp	Lower	Upper
172	100	675173		
171	34.8	28.6	43.0	
170	23.6	19.7	29.5	

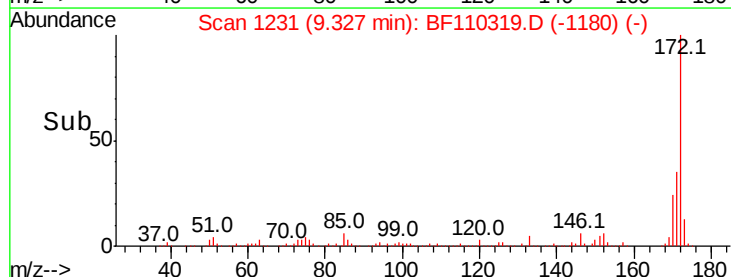
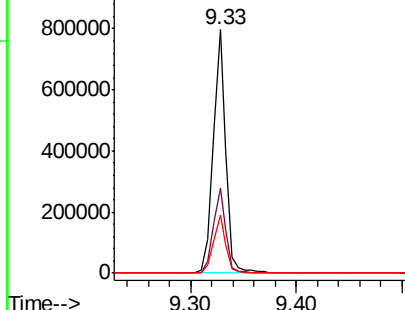


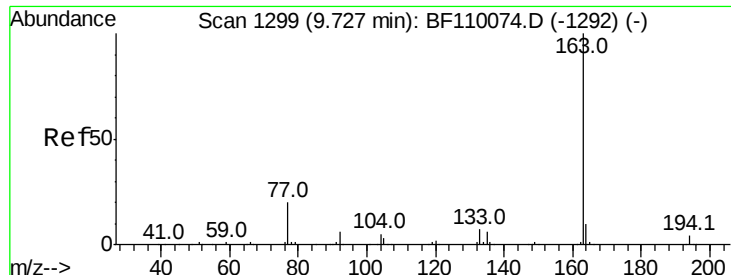
Abundance

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





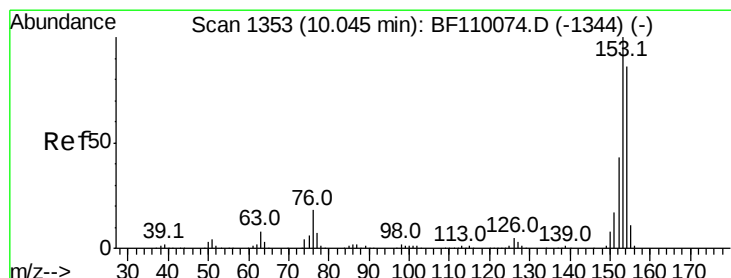
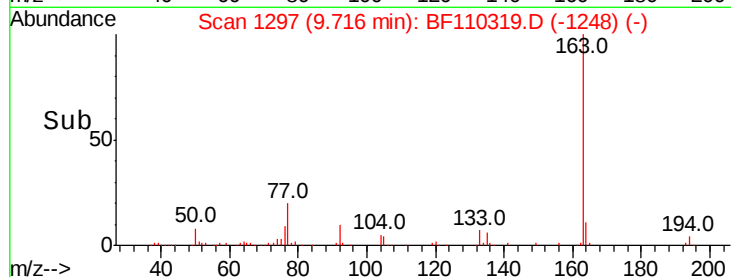
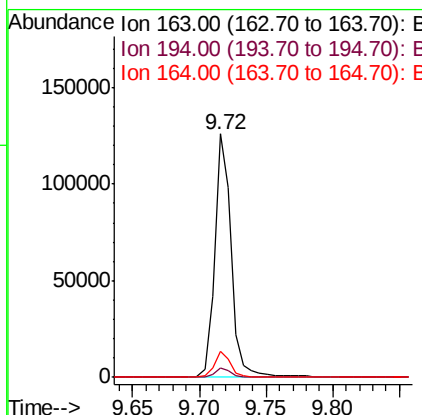
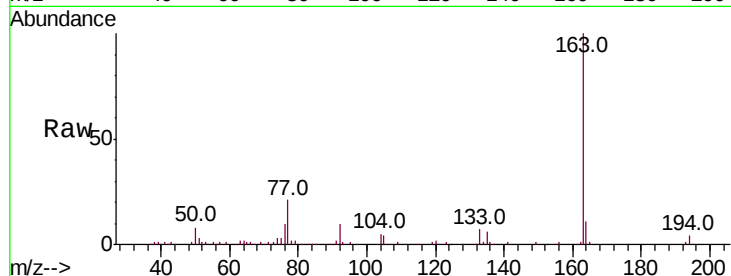
#50
Dimethylphthalate
Concen: 9.258 ng
RT: 9.72 min Scan# 1297
Delta R.T. -0.01 min
Lab File: BF110319.D
Acq: 30 Oct 2018 22:33

Instrument :
BNA_F
ClientSampleId :
SB-6

Tot Ion	Ratio	Resp	Lower	Upper
163	100	109806		
194	3.9		3.2	4.8
164	10.6		8.1	12.1

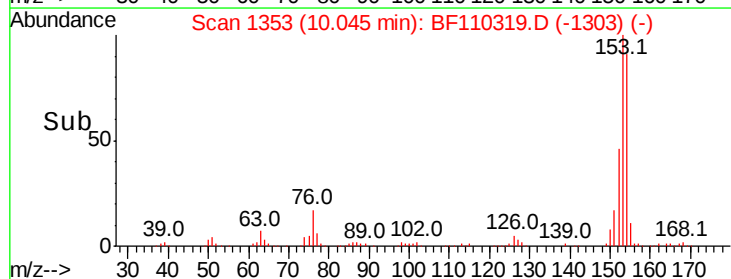
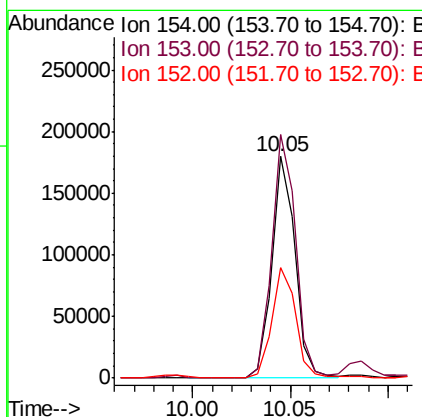
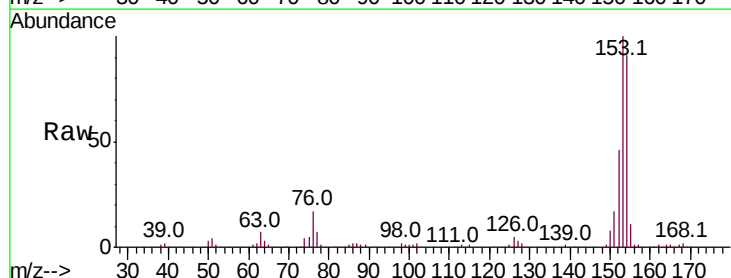
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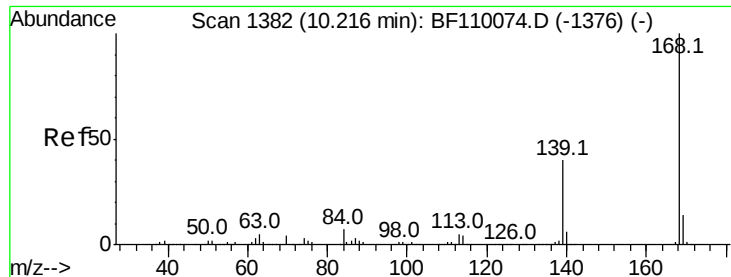
Sohil
10/31/2018 11:15:08 AM



#52
Acenaphthene
Concen: 14.592 ng
RT: 10.05 min Scan# 1353
Delta R.T. -0.01 min
Lab File: BF110319.D
Acq: 30 Oct 2018 22:33

Tgt Ion	Ratio	Resp	Lower	Upper
154	100	148594		
153	110.0		90.1	135.1
152	50.2		43.4	65.2





#55

Dibenzofuran

Concen: 8.227 ng

RT: 10.22 min Scan# 1383

Delta R.T. -0.00 min

Lab File: BF110319.D

Acq: 30 Oct 2018 22:33

Instrument :

BNA_F

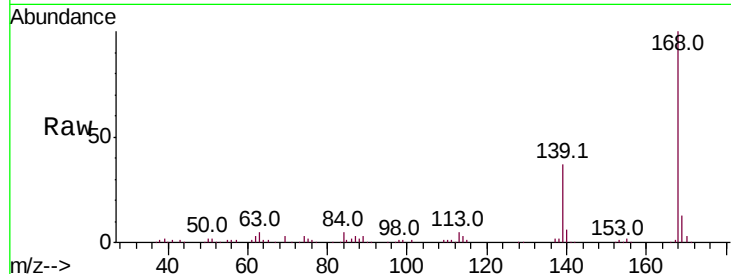
ClientSampled :

SB-6

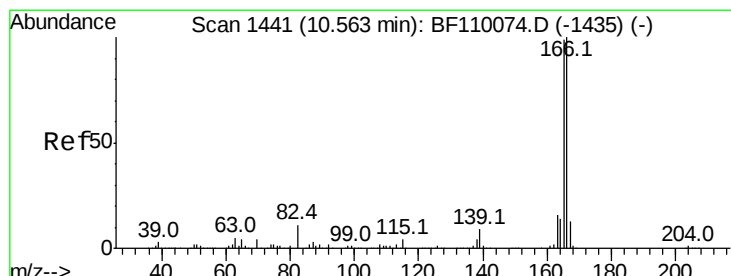
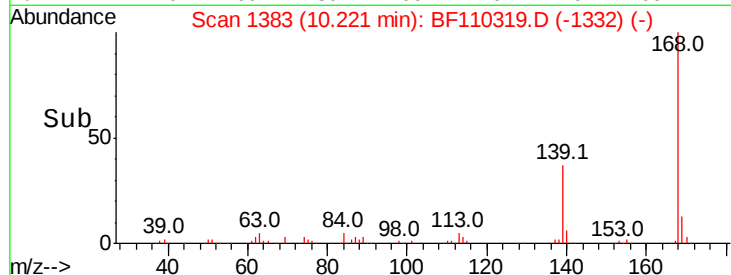
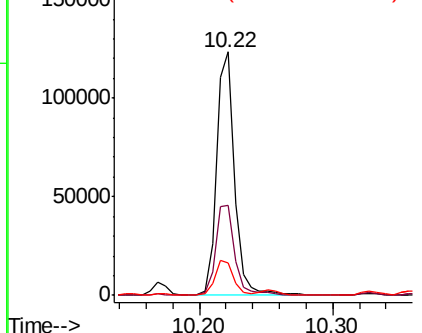
Tot Ion:	168	Resp:	117295
Ion Ratio	Lower	Upper	
168	100		
139	37.2	33.0	49.6
169	13.4	11.3	16.9

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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: 10.903 ng

RT: 10.56 min Scan# 1441

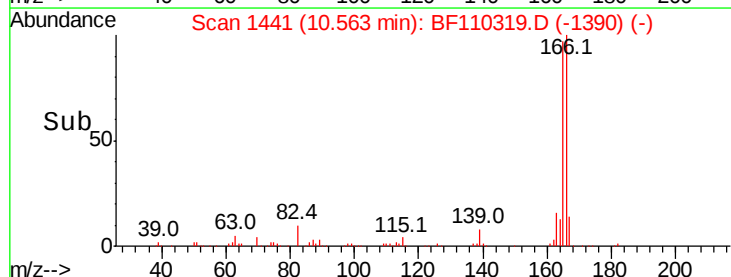
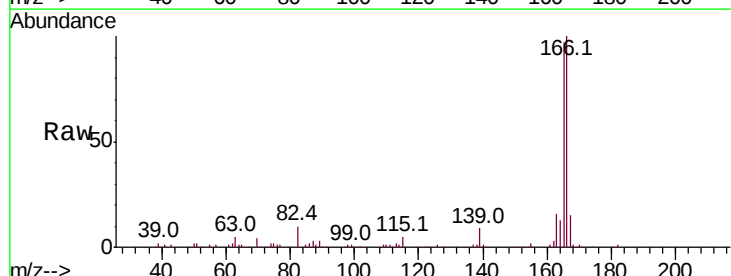
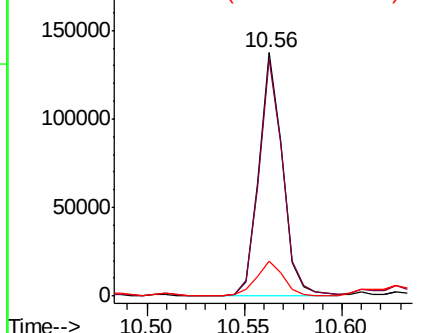
Delta R.T. -0.00 min

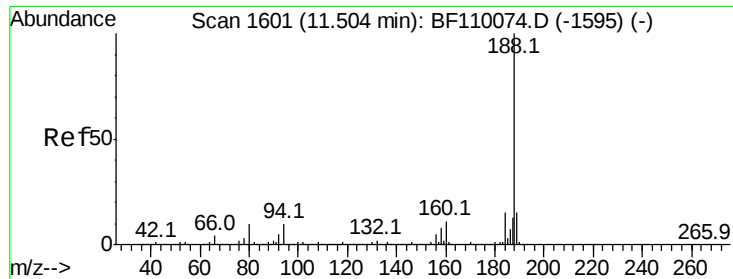
Lab File: BF110319.D

Acq: 30 Oct 2018 22:33

Tgt Ion:	166	Resp:	115694
Ion Ratio	Lower	Upper	
166	100		
165	97.3	78.6	117.8
167	14.6	10.8	16.2

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: 11.51 min Scan# 1602

Delta R.T. -0.00 min

Lab File: BF110319.D

Acq: 30 Oct 2018 22:33

Instrument :

BNA_F

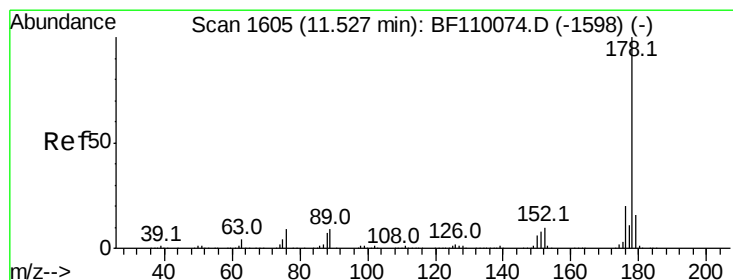
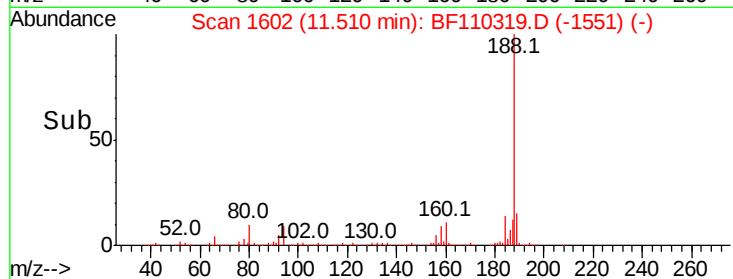
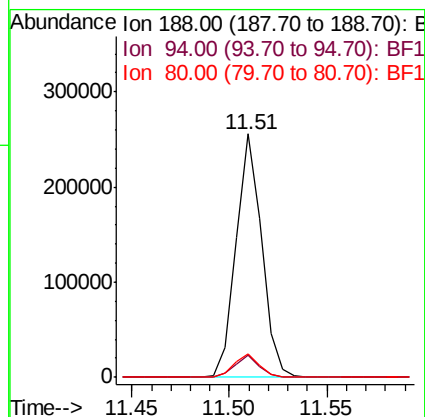
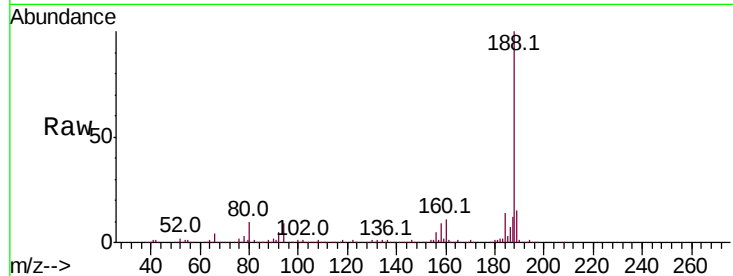
ClientSampled :

SB-6

Tot Ion:188	Resp:	233519
Ion Ratio	Lower	Upper
188 100		
94 9.1	7.2	10.8
80 9.7	7.9	11.9

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#71

Phenanthrene

Concen: 111.301 ng

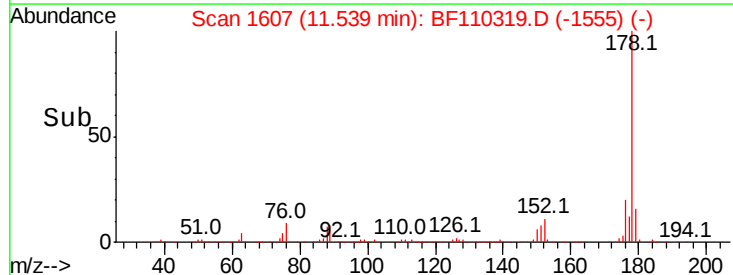
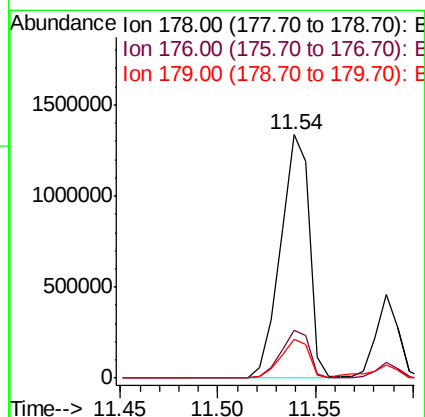
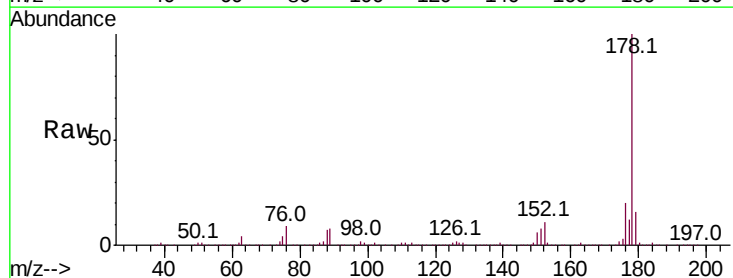
RT: 11.54 min Scan# 1607

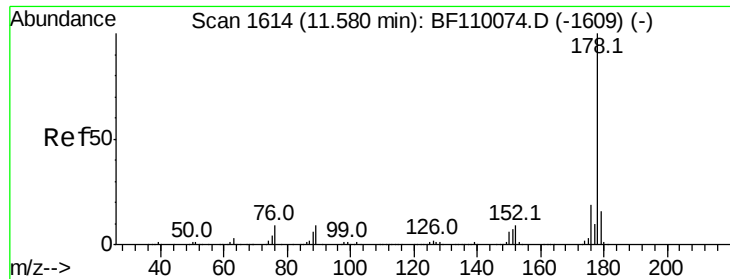
Delta R.T. 0.01 min

Lab File: BF110319.D

Acq: 30 Oct 2018 22:33

Tgt Ion:178	Resp:	1359970
Ion Ratio	Lower	Upper
178 100		
176 19.8	15.5	23.3
179 16.2	12.5	18.7





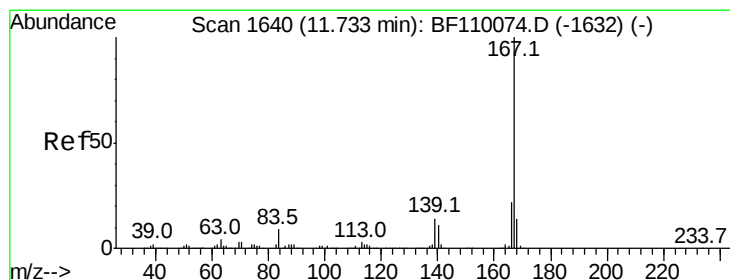
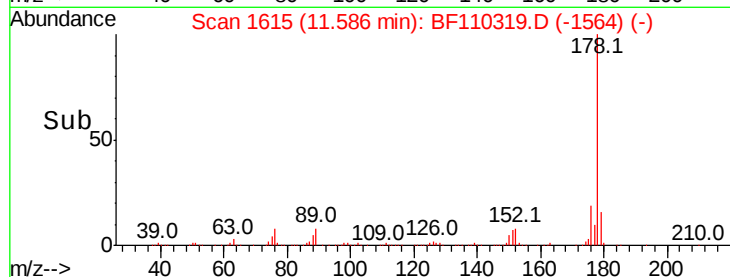
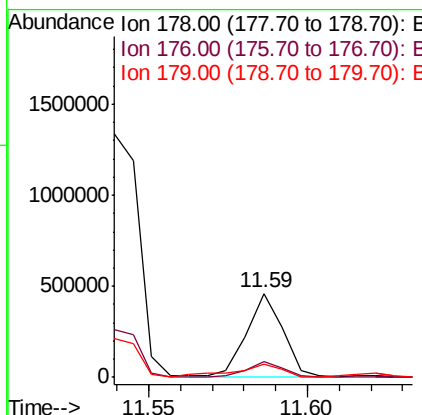
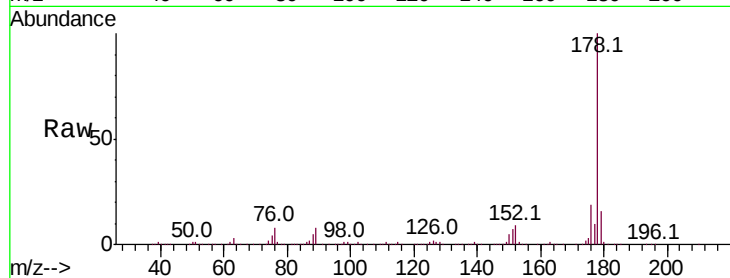
#72
 Anthracene
 Concen: 29.438 ng
 RT: 11.59 min Scan# 1615
 Delta R.T. -0.00 min
 Lab File: BF110319.D
 Acq: 30 Oct 2018 22:33

Instrument :
 BNA_F
 ClientSampleId :
 SB-6

Tot Ion	Ratio	Lower	Upper
178	100		
176	18.7	15.4	23.2
179	15.8	12.6	18.8

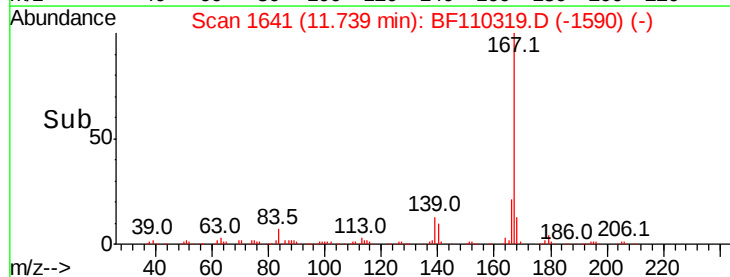
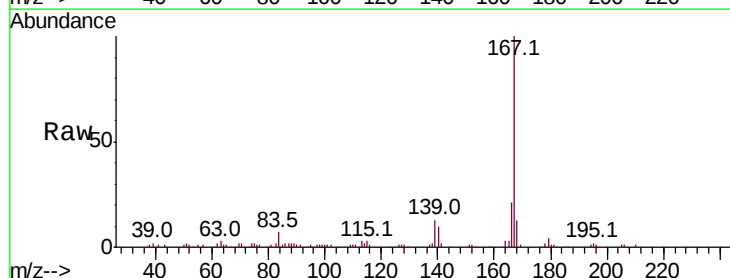
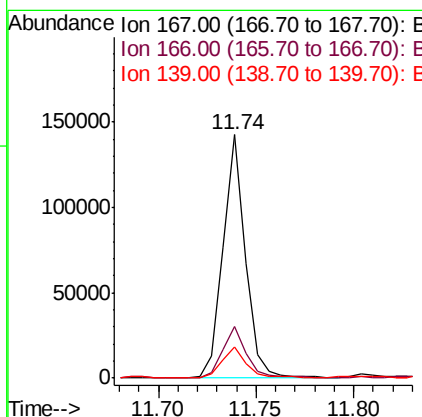
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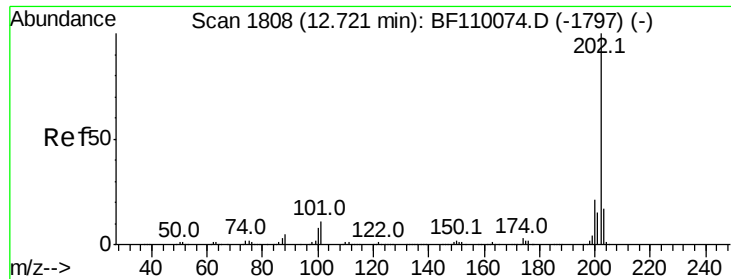
Sohil
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#73
 Carbazole
 Concen: 9.552 ng
 RT: 11.74 min Scan# 1641
 Delta R.T. -0.00 min
 Lab File: BF110319.D
 Acq: 30 Oct 2018 22:33

Tgt Ion	Ratio	Lower	Upper
167	100		
166	21.1	17.4	26.0
139	12.8	10.9	16.3





#75

Fluoranthene

Concen: 112.932 ng

RT: 12.74 min Scan# 1811

Delta R.T. 0.01 min

Lab File: BF110319.D

Acq: 30 Oct 2018 22:33

Instrument :

BNA_F

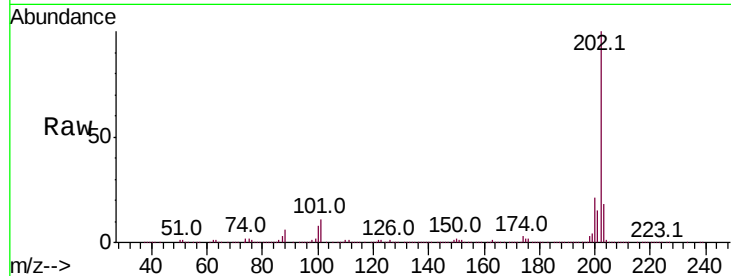
ClientSampleId :

SB-6

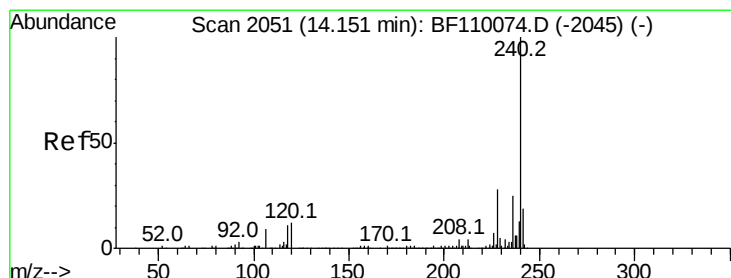
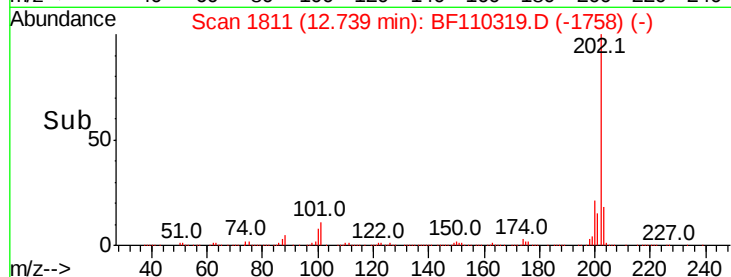
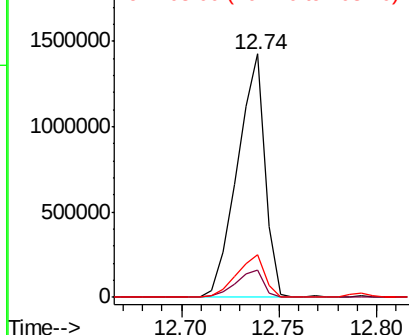
Tot Ion:	202	Resp:	1400432
Ion Ratio	Lower	Upper	
202	100		
101	11.2	0.0	31.4
203	17.6	0.0	37.7

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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

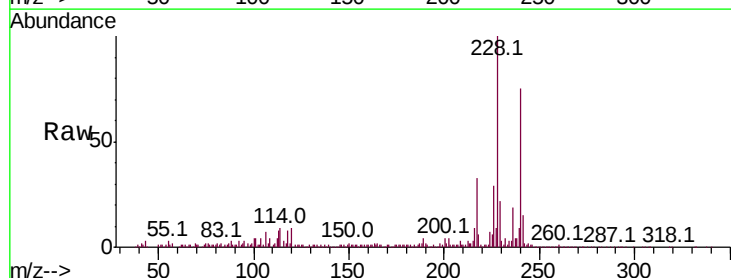
RT: 14.16 min Scan# 2053

Delta R.T. 0.01 min

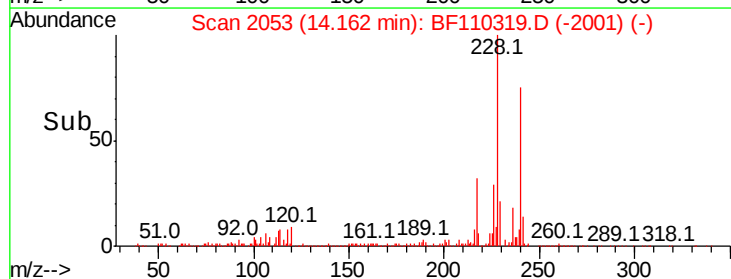
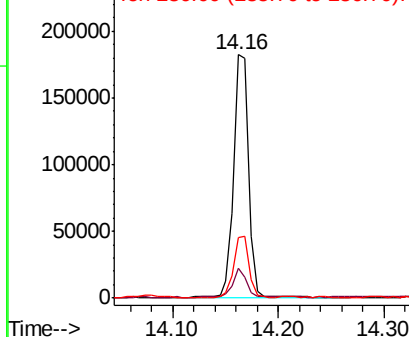
Lab File: BF110319.D

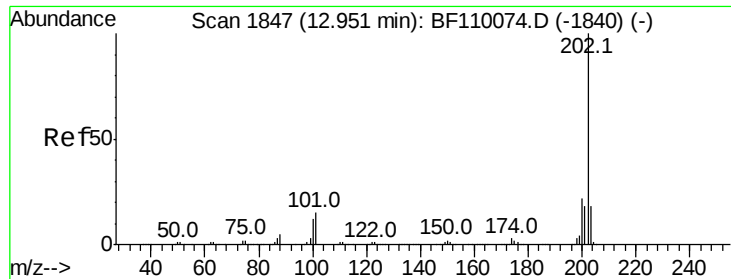
Acq: 30 Oct 2018 22:33

Tgt Ion:	240	Resp:	176208
Ion Ratio	Lower	Upper	
240	100		
120	12.4	8.3	12.5
236	24.8	21.2	31.8



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





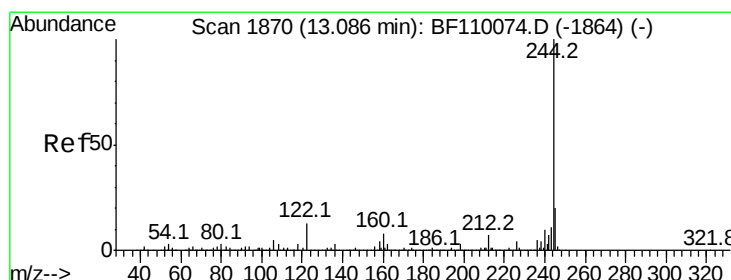
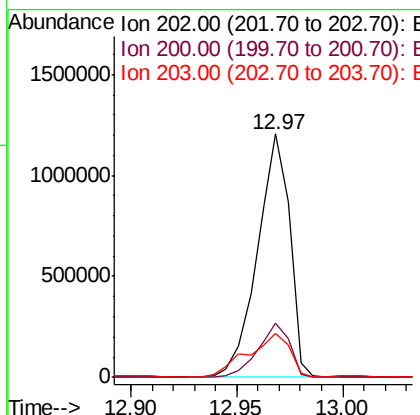
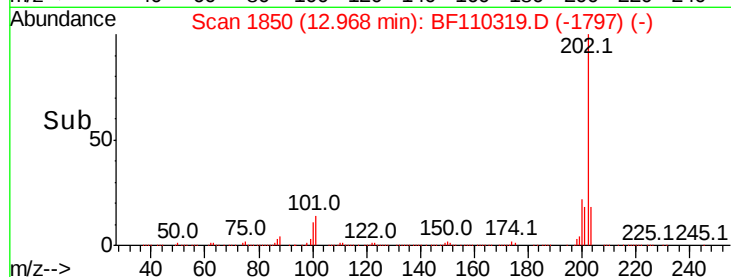
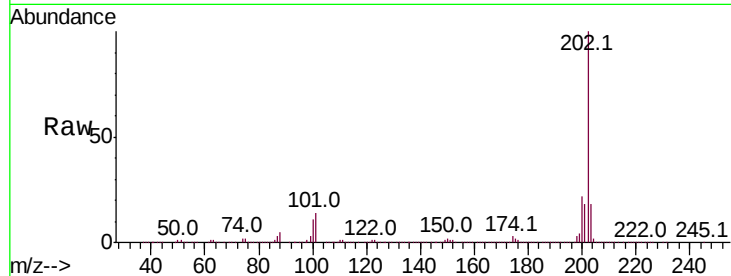
#78
Pvrene
Concen: 101.194 ng
RT: 12.97 min Scan# 1850
Delta R.T. 0.01 min
Lab File: BF110319.D
Acq: 30 Oct 2018 22:33

Instrument :
BNA_F
ClientSampleId :
SB-6

Tot Ion	Ratio	Lower	Upper
202	100		
200	22.0	17.8	26.6
203	18.2	14.2	21.4

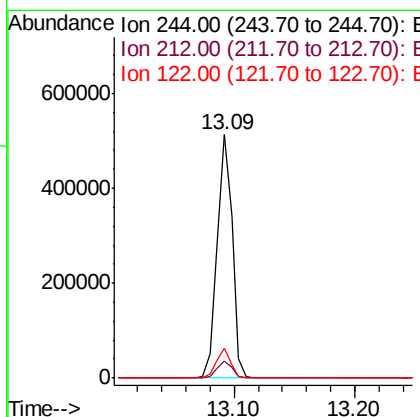
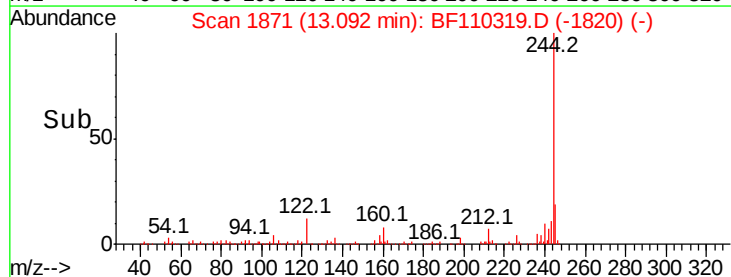
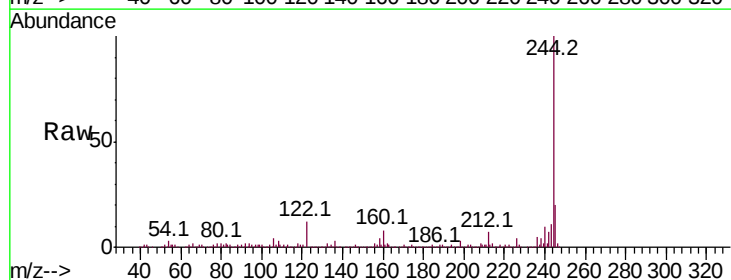
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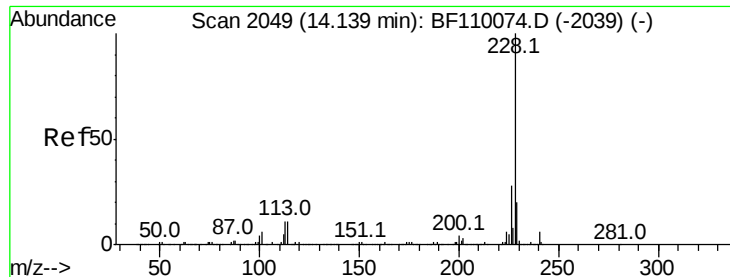
Sohil
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#79
Terphenyl-d14
Concen: 51.255 ng
RT: 13.09 min Scan# 1871
Delta R.T. -0.00 min
Lab File: BF110319.D
Acq: 30 Oct 2018 22:33

Tgt Ion	Ratio	Lower	Upper
244	100		
212	7.2	5.8	8.8
122	12.2	8.7	13.1





#81

Benzo(a)anthracene

Concen: 53.914 ng

RT: 14.16 min Scan# 2052

Delta R.T. 0.01 min

Lab File: BF110319.D

Acq: 30 Oct 2018 22:33

Instrument :

BNA_F

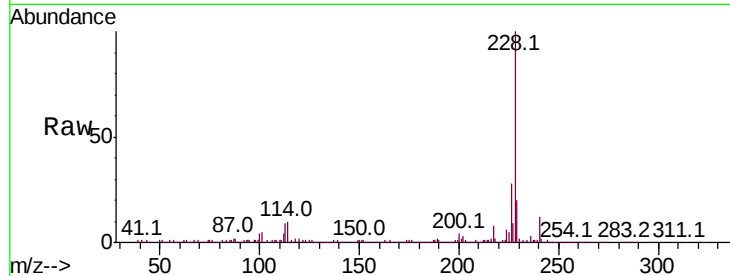
ClientSampled :

SB-6

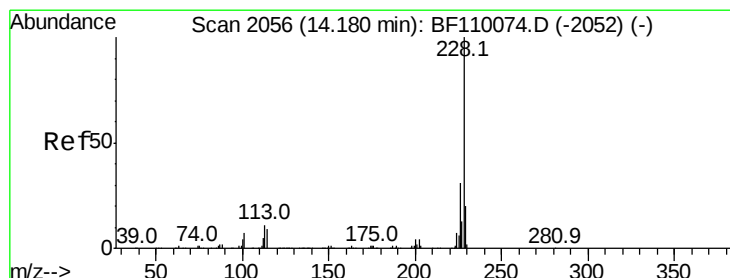
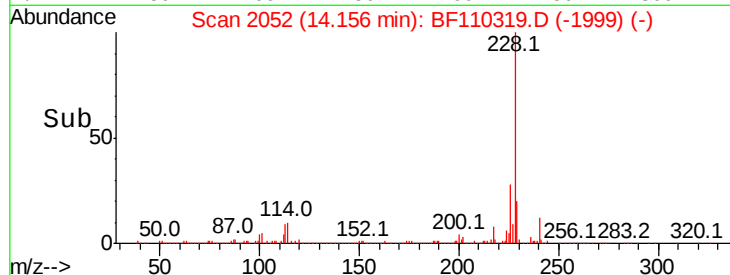
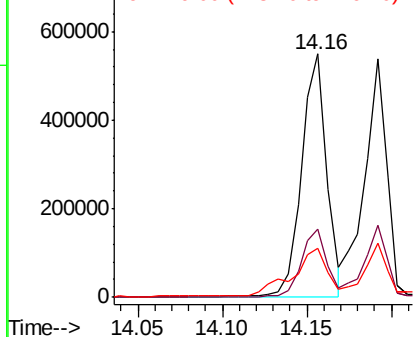
Tot Ion:	228	Resp:	563369
Ion Ratio	Lower	Upper	
228	100		
226	27.9	22.1	33.1
229	20.1	15.6	23.4

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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: 49.762 ng

RT: 14.19 min Scan# 2058

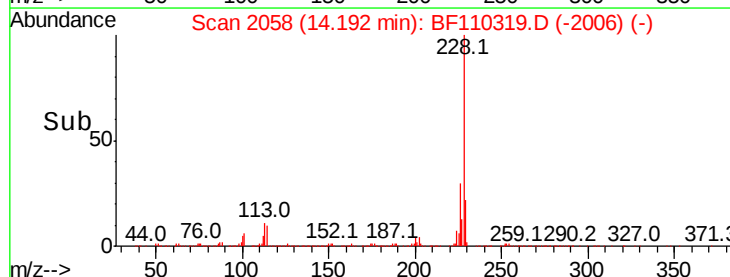
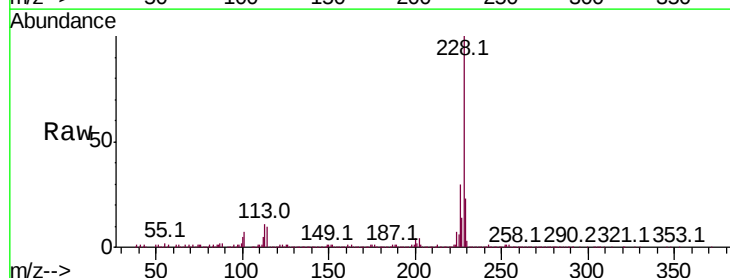
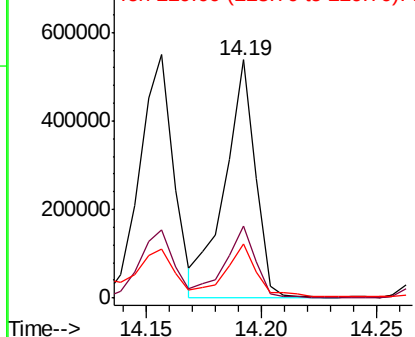
Delta R.T. 0.01 min

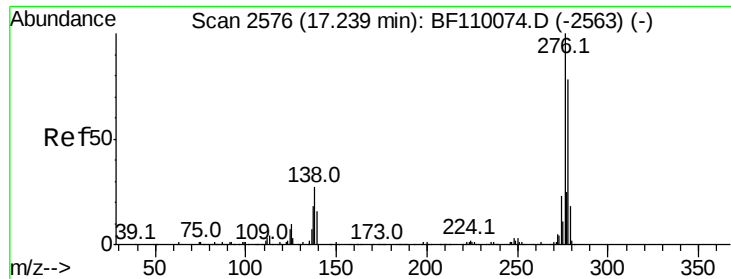
Lab File: BF110319.D

Acq: 30 Oct 2018 22:33

Tgt Ion:	228	Resp:	493890
Ion Ratio	Lower	Upper	
228	100		
226	30.3	24.7	37.1
229	22.8	15.9	23.9

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





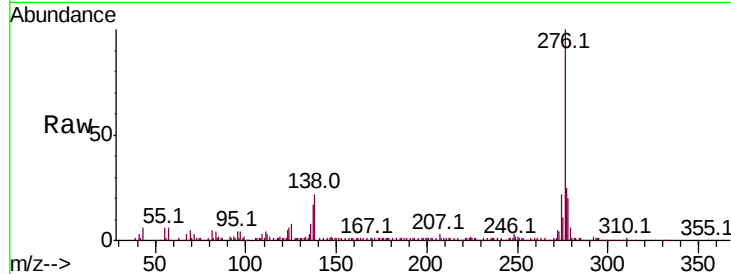
#86
Indeno(1,2,3-cd)pyrene
Concen: 25.856 ng
RT: 17.28 min Scan# 2583
Delta R.T. 0.02 min
Lab File: BF110319.D
Acq: 30 Oct 2018 22:33

Instrument :
BNA_F
ClientSampled :
SB-6

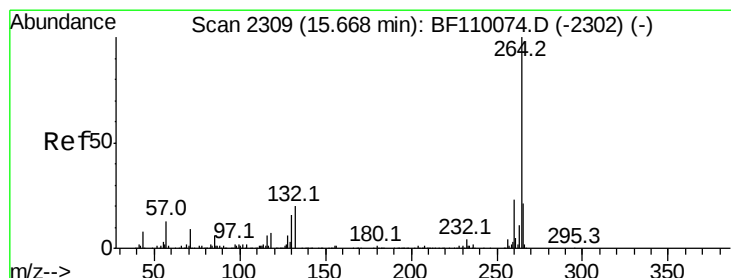
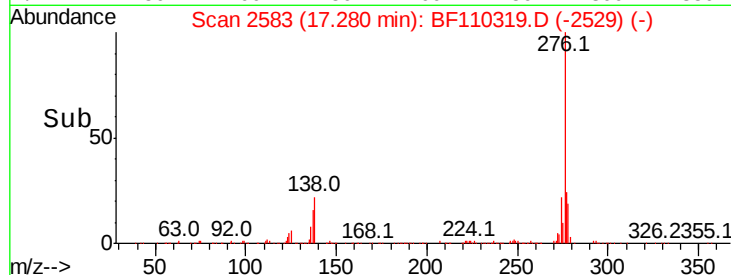
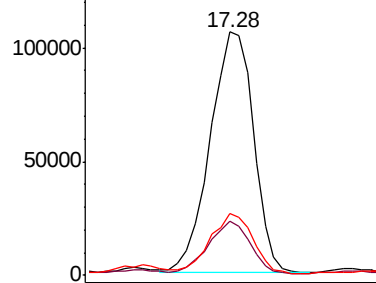
Tot Ion	Ratio	Lower	Upper
276	100		
138	21.6	18.5	27.7
277	24.3	20.0	30.0

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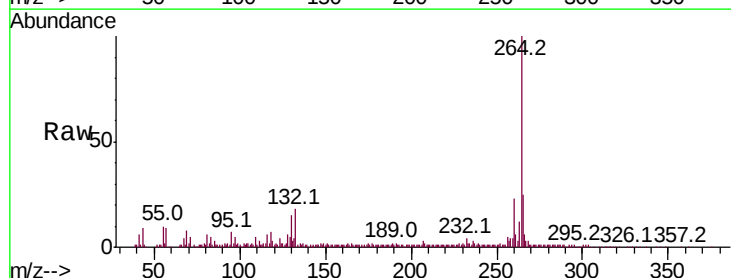


Abundance Ion 276.00 (275.70 to 276.70): E
Ion 138.00 (137.70 to 138.70): E
Ion 277.00 (276.70 to 277.70): E

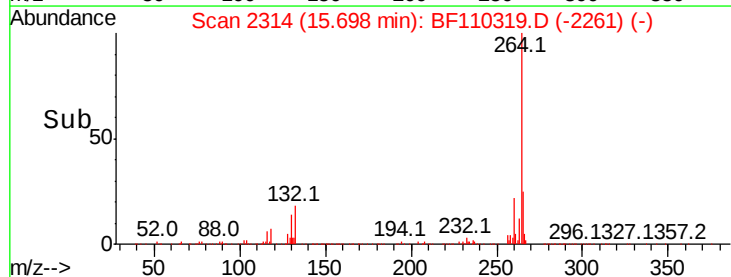
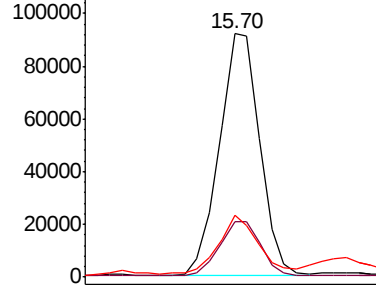


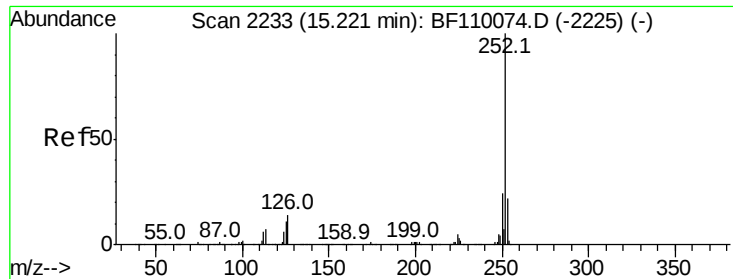
#87
Perylene-d12
Concen: 20.000 ng
RT: 15.70 min Scan# 2314
Delta R.T. 0.01 min
Lab File: BF110319.D
Acq: 30 Oct 2018 22:33

Tgt Ion	Ratio	Lower	Upper
264	100		
260	22.9	18.7	28.1
265	25.2	16.7	25.1#



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





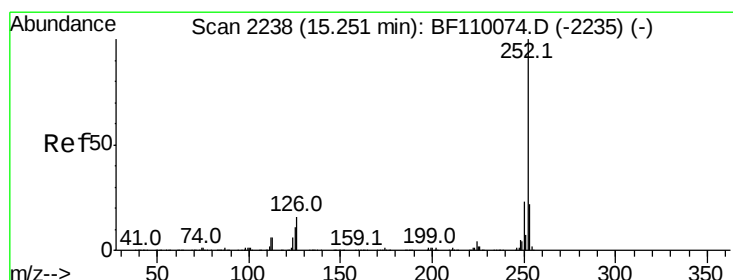
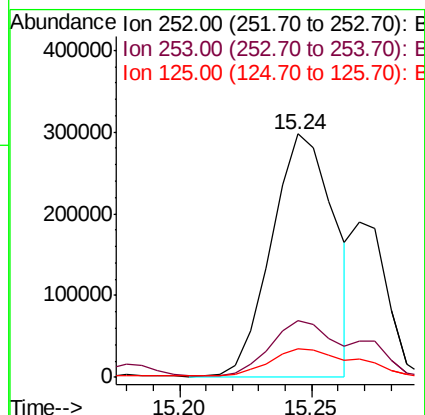
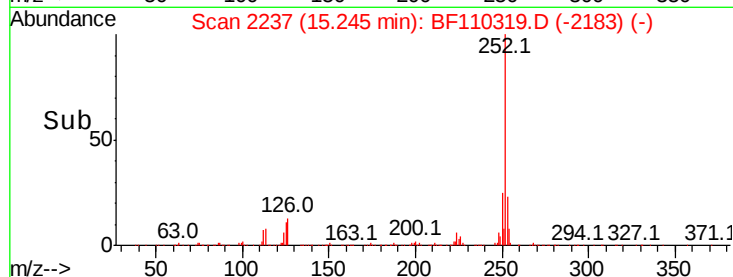
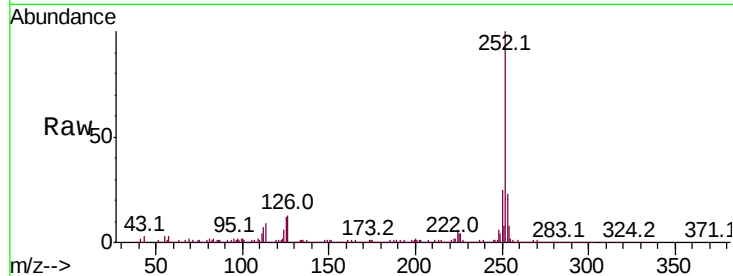
#88
Benzo(b)fluoranthene
Concen: 69.918 ng m
RT: 15.24 min Scan# 2237
Delta R.T. 0.02 min
Lab File: BF110319.D
Acq: 30 Oct 2018 22:33

Instrument :
BNA_F
ClientSampleId :
SB-6

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.2	17.2	25.8
125	11.8	8.2	12.4

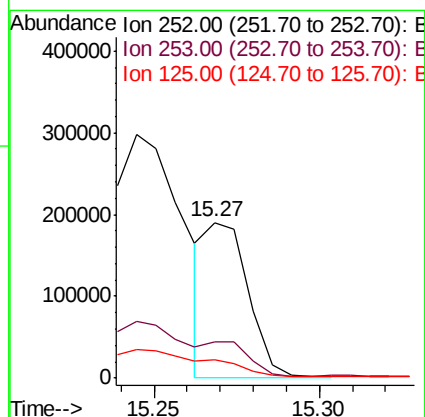
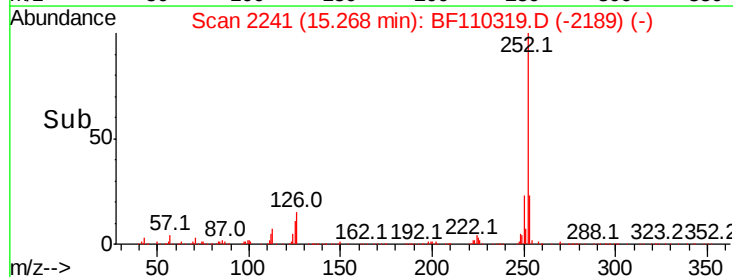
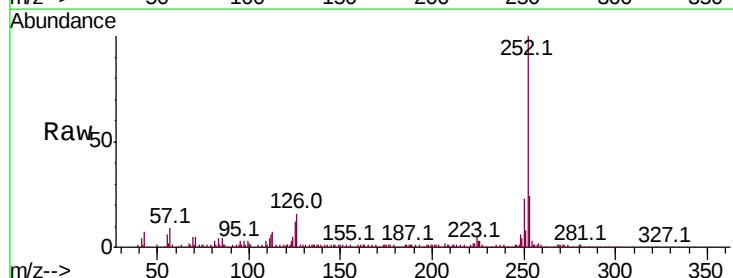
Manual Integrations
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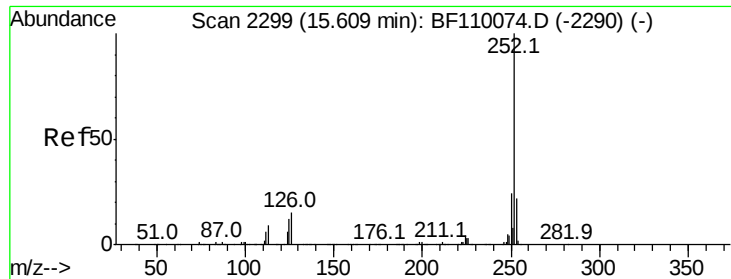
Sohil
10/31/2018 11:15:08 AM



#89
Benzo(k)fluoranthene
Concen: 24.186 ng m
RT: 15.27 min Scan# 2241
Delta R.T. 0.01 min
Lab File: BF110319.D
Acq: 30 Oct 2018 22:33

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.6	17.2	25.8
125	11.8	7.4	11.0#





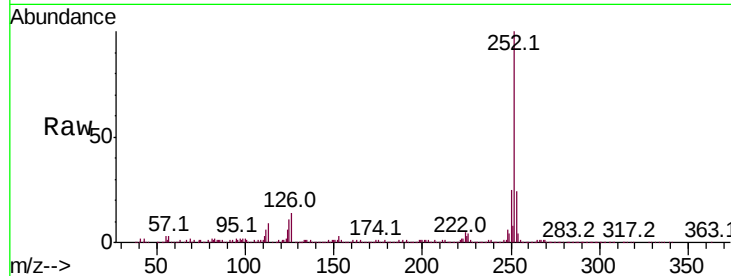
#90
Benzo(a)pyrene
Concen: 54.517 ng
RT: 15.64 min Scan# 2304
Delta R.T. 0.02 min
Lab File: BF110319.D
Acq: 30 Oct 2018 22:33

Instrument :
BNA_F
ClientSampled :
SB-6

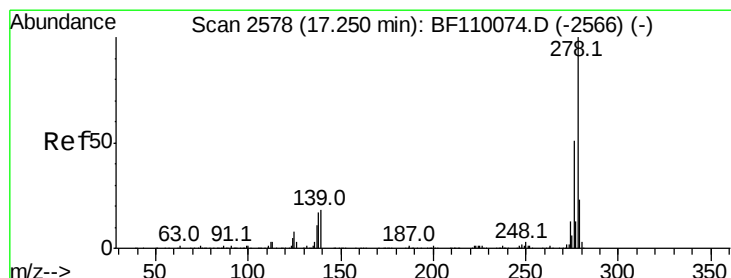
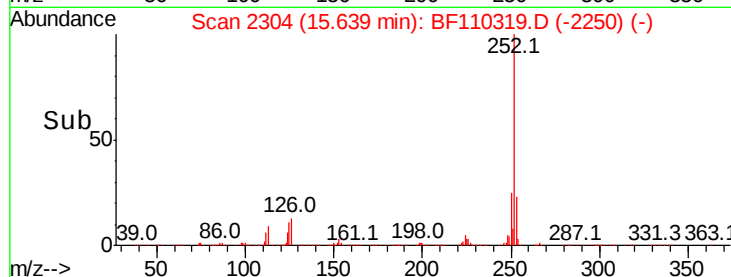
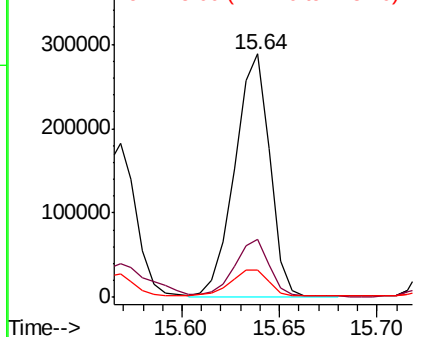
Tot Ion:	252	Resp:	355687
Ion Ratio	Lower	Upper	
252	100		
253	23.6	18.2	27.4
125	11.4	9.0	13.6

Manual Integrations
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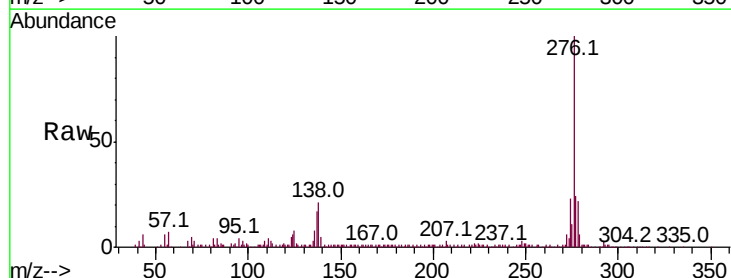


Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E

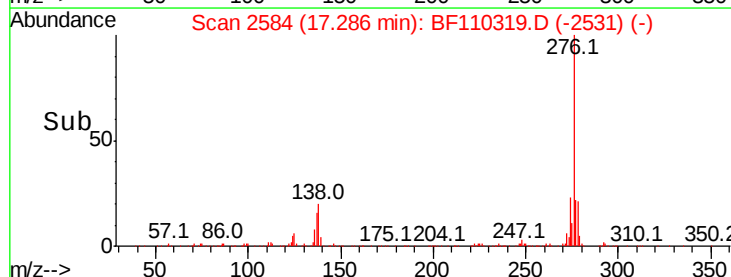
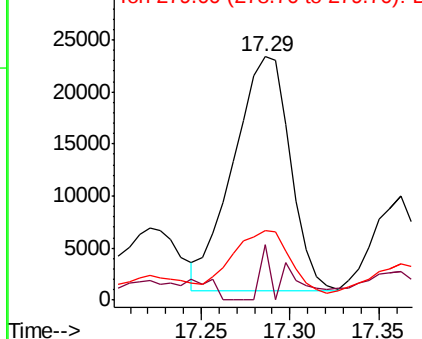


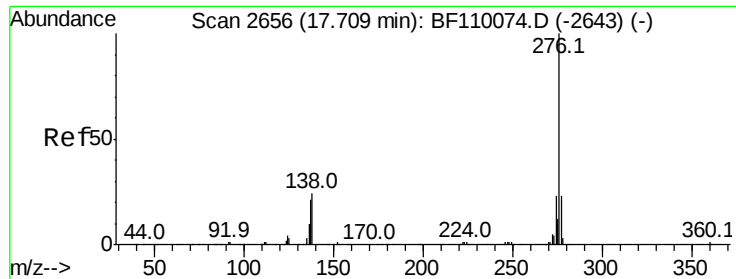
#91
Dibenzo(a,h)anthracene
Concen: 8.910 ng m
RT: 17.29 min Scan# 2584
Delta R.T. 0.01 min
Lab File: BF110319.D
Acq: 30 Oct 2018 22:33

Tgt Ion:	278	Resp:	50159
Ion Ratio	Lower	Upper	
278	100		
139	22.9	12.7	19.1#
279	28.4	19.0	28.4



Abundance Ion 278.00 (277.70 to 278.70): E
Ion 139.00 (138.70 to 139.70): E
Ion 279.00 (278.70 to 279.70): E





#92
 Benzo(a,h,i)perylene
 Concen: 39.945 ng
 RT: 17.77 min Scan# 2666
 Delta R.T. 0.03 min
 Lab File: BF110319.D
 Acq: 30 Oct 2018 22:33

Instrument :
 BNA_F
 ClientSampleId :
 SB-6

Tot Ion:	276	Resp:	221590
Ion Ratio	Lower	Upper	
276	100		
277	24.1	18.8	28.2
138	22.7	16.0	24.0

Manual Integrations
 APPROVED

Sohil
 10/31/2018 11:15:08 AM

