

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF040819\
 Data File : BF113651.D
 Acq On : 8 Apr 2019 20:57
 Operator : JU/SJ
 Sample : K2294-03
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TP-14-S

Manual Integrations
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Quant Time: Apr 09 01:58:39 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF040319.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Apr 04 04:05:31 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.68	152	119600	20.00	ng	0.00
21) Naphthalene-d8	7.96	136	456383	20.00	ng	0.00
39) Acenaphthene-d10	9.71	164	214465	20.00	ng	-0.01
64) Phenanthrene-d10	11.19	188	392135	20.00	ng	-0.01
76) Chrysene-d12	13.83	240	290050	20.00	ng	-0.02
87) Perylene-d12	15.23	264	273806	20.00	ng	-0.02

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.30	112	676456	96.45	ng	0.00
7) Phenol-d6	6.33	99	878445	101.62	ng	0.00
23) Nitrobenzene-d5	7.25	82	521326	66.91	ng	-0.01
42) 2,4,6-Tribromophenol	10.50	330	242387	94.09	ng	-0.01
45) 2-Fluorobiphenyl	9.03	172	938986	70.49	ng	-0.02
79) Terphenyl-d14	12.77	244	793488	55.70	ng	-0.02

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
31) Naphthalene	7.98	128	82893	3.749	ng	98
37) 2-Methylnaphthalene	8.67	142	33579	2.309	ng	97
50) Dimethylphthalate	9.43	163	86235	5.455	ng	98
52) Acenaphthene	9.75	154	65307	5.236	ng	100
55) Dibenzofuran	9.92	168	93574	5.114	ng	98
58) Fluorene	10.26	166	57754	3.991	ng	95
71) Phenanthrene	11.22	178	176879	9.077	ng	98
72) Anthracene	11.27	178	41062	2.071	ng	98
75) Fluoranthene	12.40	202	182322	8.732	ng	99
78) Pyrene	12.63	202	150716	6.829	ng	99
81) Benzo(a)anthracene	13.82	228	66187	3.956	ng	98
83) Chrysene	13.85	228	69334	4.088	ng	94
86) Indeno(1,2,3-cd)pyrene	16.60	276	31964	2.041	ng	96
88) Benzo(b)fluoranthene	14.84	252	79335m	4.734	ng	
90) Benzo(a)pyrene	15.18	252	54864	3.684	ng	# 91
92) Benzo(g,h,i)perylene	17.02	276	30040	2.113	ng	93

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

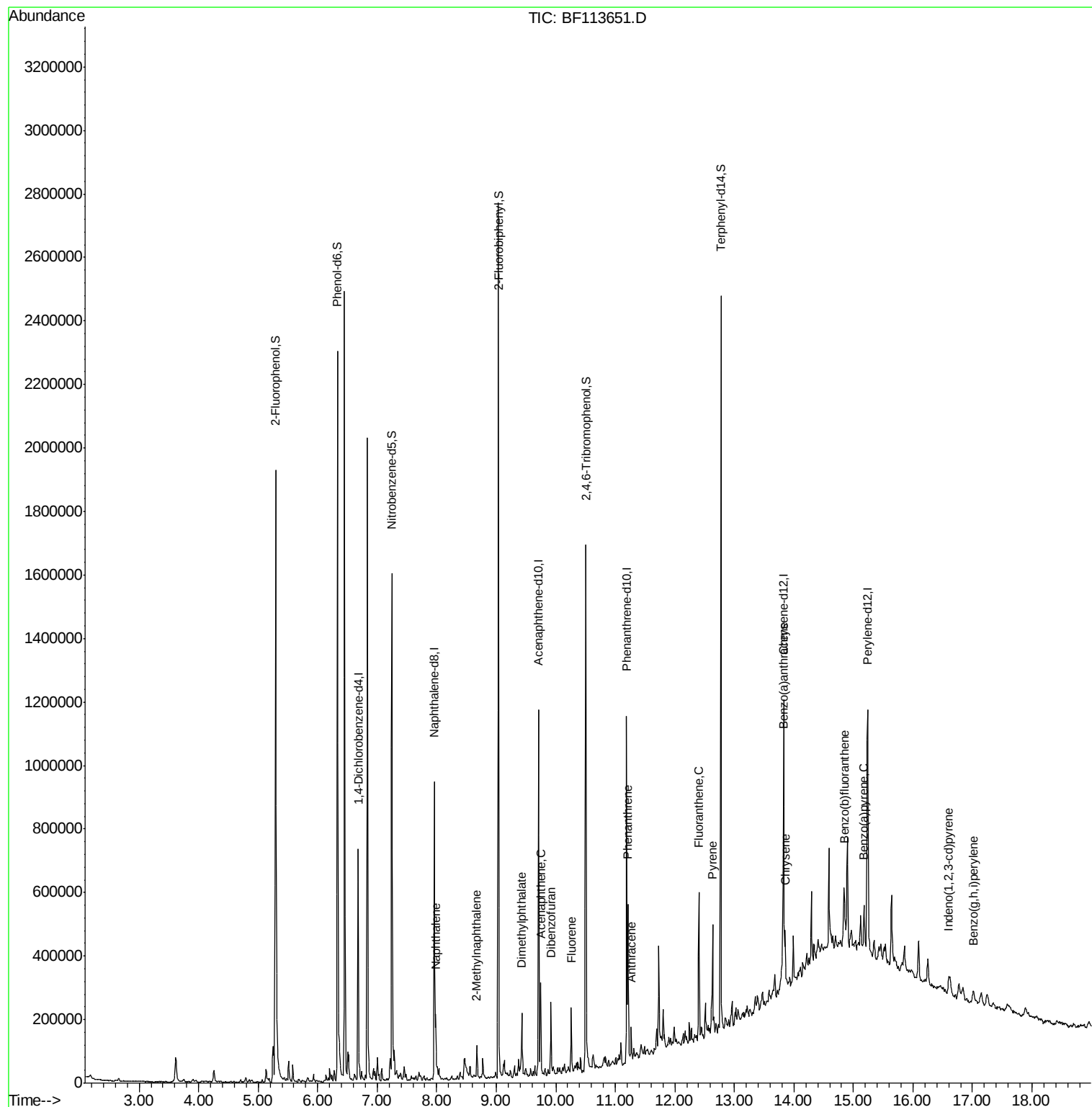
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF040819\
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ALS Vial : 12 Sample Multiplier: 1

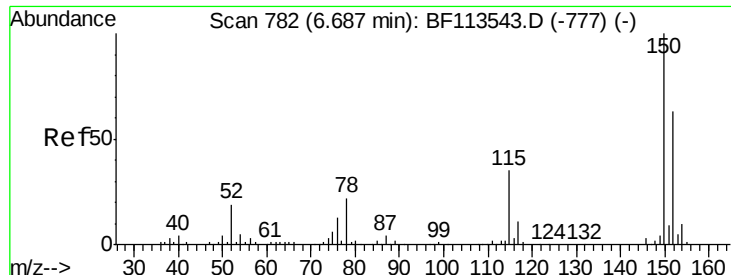
Instrument :
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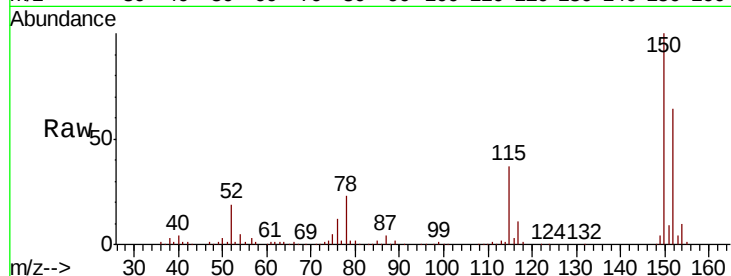
#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.68 min Scan# 781
 Delta R.T. -0.01 min
 Lab File: BF113651.D
 Acq: 8 Apr 2019 20:57

Instrument :
 BNA_F
 ClientSampled :
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Tot Ion	Ratio	Lower	Upper
152	100		
150	156.0	124.7	187.1
115	57.3	46.0	69.0

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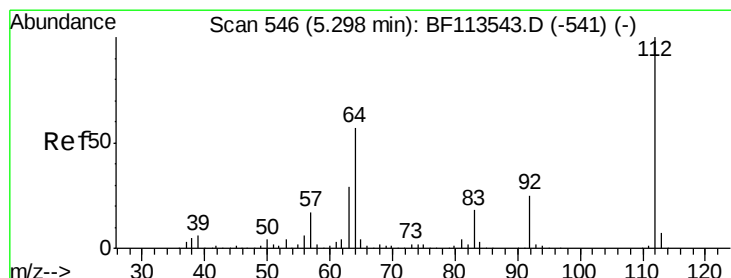
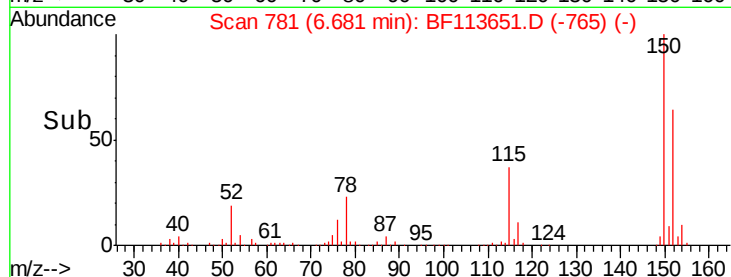
Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

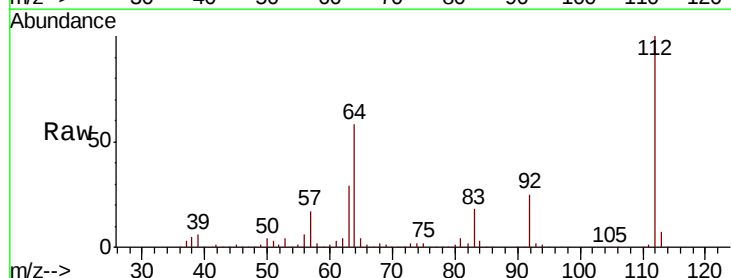
Ion 115.00 (114.70 to 115.70): E

Time-->



#5
 2-Fluorophenol
 Concen: 96.448 ng
 RT: 5.30 min Scan# 546
 Delta R.T. -0.00 min
 Lab File: BF113651.D
 Acq: 8 Apr 2019 20:57

Tgt Ion	Ratio	Lower	Upper
112	100		
64	57.7	49.2	73.8
63	29.3	24.9	37.3



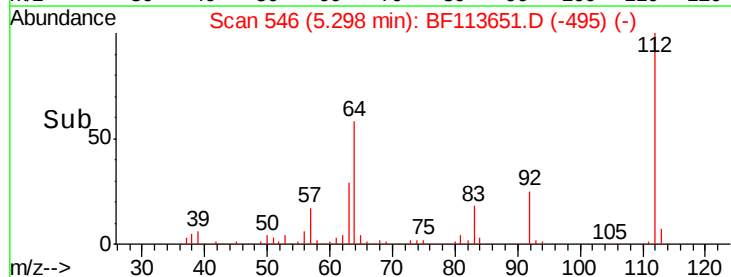
Abundance

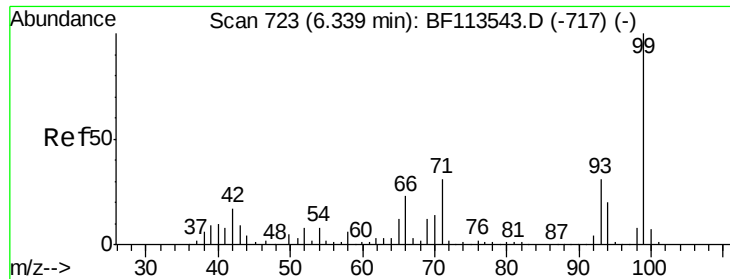
Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF1

Ion 63.00 (62.70 to 63.70): BF1

Time-->





#7

Phenol-d6

Concen: 101.620 ng

RT: 6.33 min Scan# 722

Delta R.T. -0.01 min

Lab File: BF113651.D

Acq: 8 Apr 2019 20:57

Instrument :

BNA_F

ClientSampled :

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Tot Ion: 99 Resp: 878445

Ion Ratio Lower Upper

99 100

42 18.2 14.8 22.2

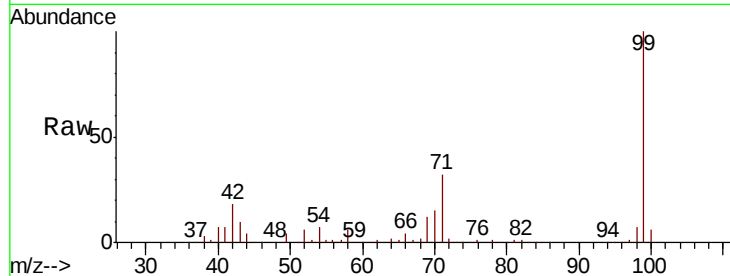
71 31.6 24.9 37.3

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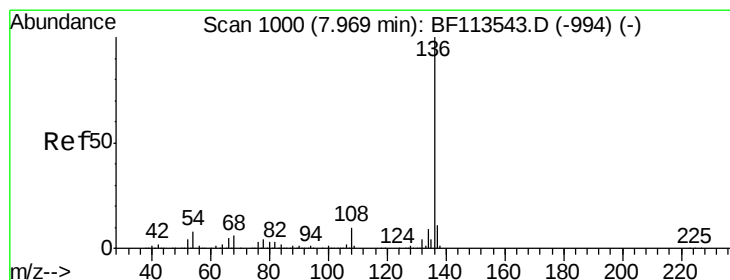
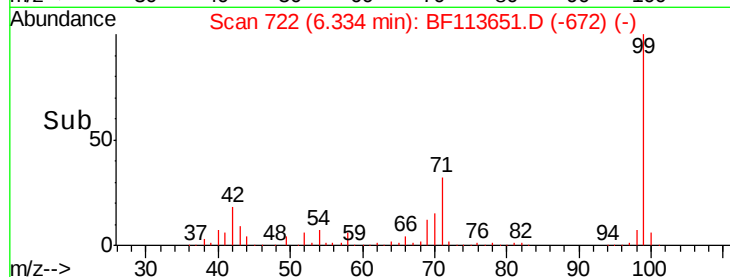
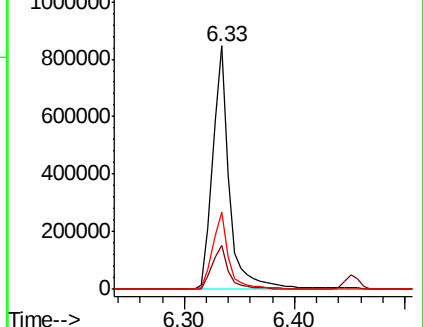
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Abundance Ion 99.00 (98.70 to 99.70): BF1

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: 7.96 min Scan# 999

Delta R.T. -0.01 min

Lab File: BF113651.D

Acq: 8 Apr 2019 20:57

Tgt Ion: 136 Resp: 456383

Ion Ratio Lower Upper

136 100

137 11.0 8.9 13.3

54 7.4 7.0 10.6

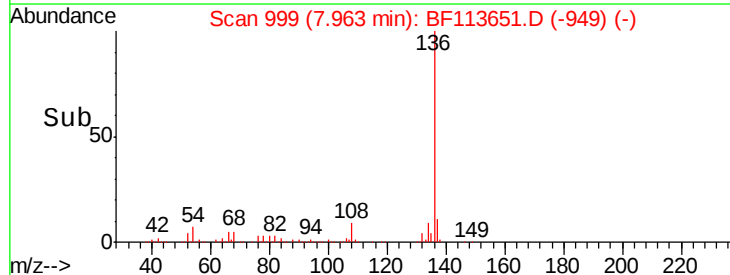
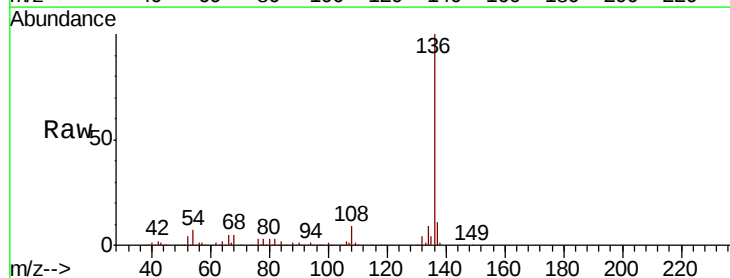
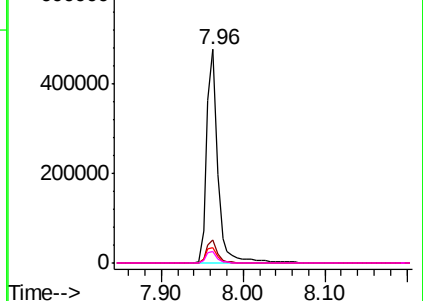
68 5.4 4.8 7.2

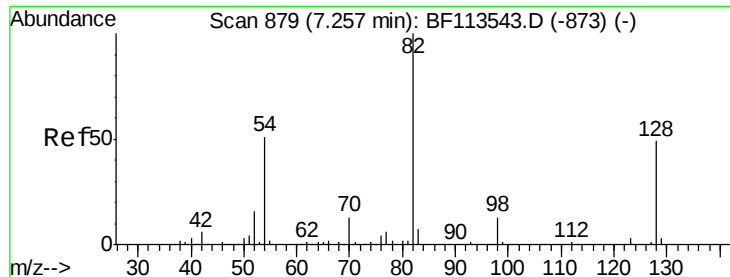
Abundance Ion 136.00 (135.70 to 136.70): E

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





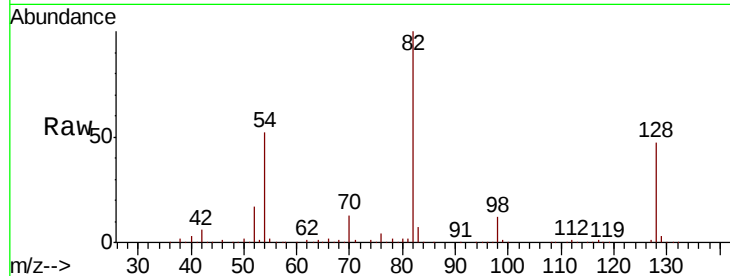
#23
Nitrobenzene-d5
Concen: 66.910 ng
RT: 7.25 min Scan# 877
Delta R.T. -0.01 min
Lab File: BF113651.D
Acq: 8 Apr 2019 20:57

Instrument :
BNA_F
ClientSampled :
TP-14-S

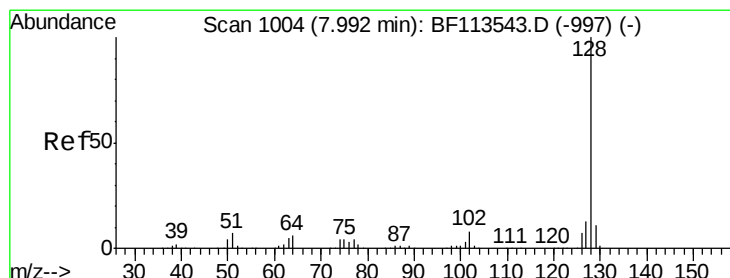
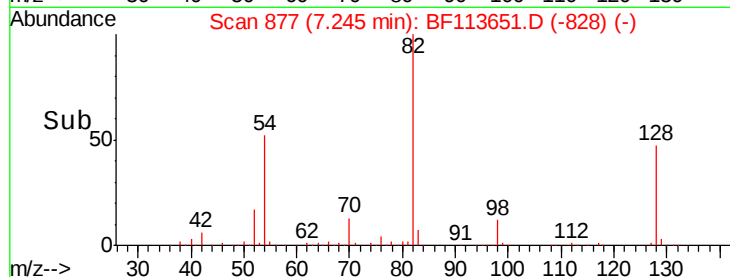
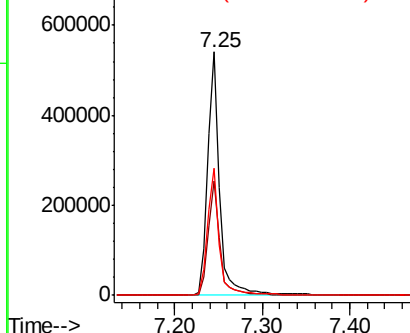
Tot Ion	Ratio	Lower	Upper
82	100		
128	47.1	36.5	54.7
54	52.0	42.2	63.2

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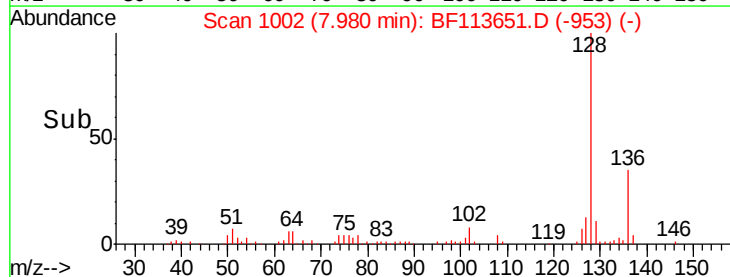
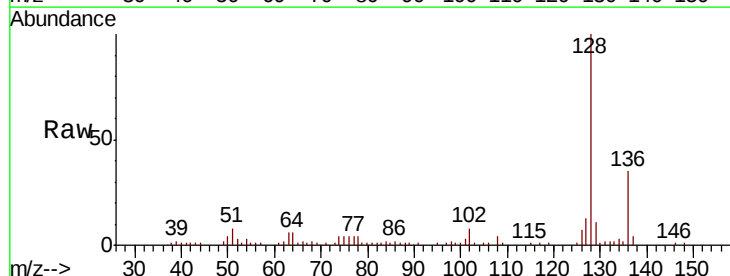
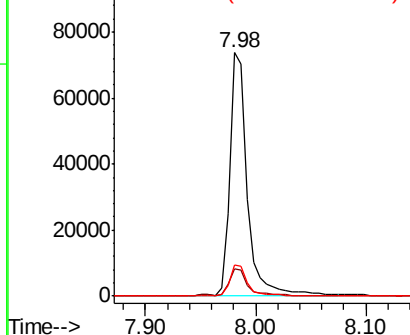
Abundance Ion 82.00 (81.70 to 82.70): BF1
Ion 128.00 (127.70 to 128.70): E
Ion 54.00 (53.70 to 54.70): BF1

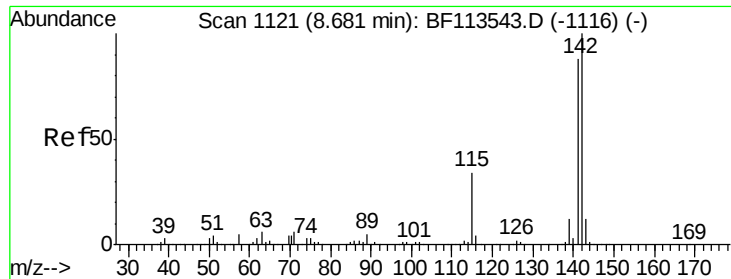


#31
Naphthalene
Concen: 3.749 ng
RT: 7.98 min Scan# 1002
Delta R.T. -0.01 min
Lab File: BF113651.D
Acq: 8 Apr 2019 20:57

Tgt Ion	Ratio	Lower	Upper
128	100		
129	11.0	9.3	13.9
127	12.9	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





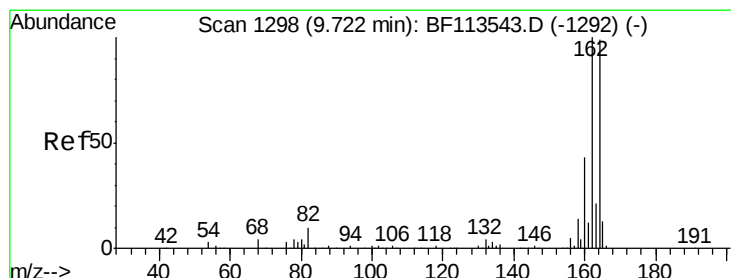
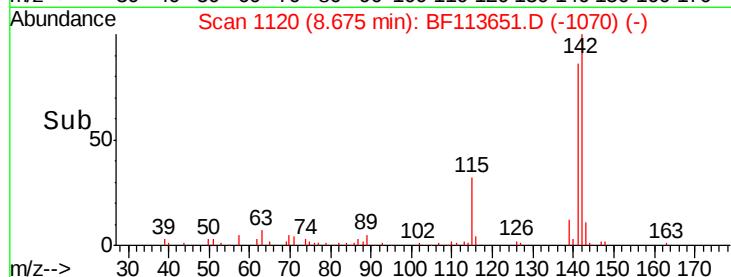
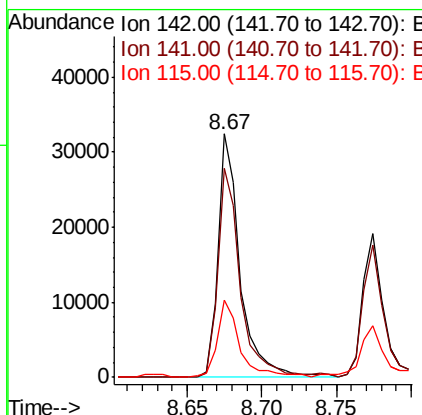
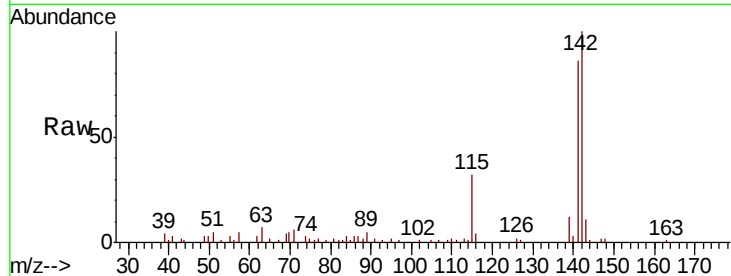
#37
2-Methylnaphthalene
Concen: 2.309 ng
RT: 8.67 min Scan# 1120
Delta R.T. -0.01 min
Lab File: BF113651.D
Acq: 8 Apr 2019 20:57

Instrument :
BNA_F
ClientSampleId :
TP-14-S

Tot Ion	Ratio	Lower	Upper
142	100		
141	85.8	71.0	106.6
115	31.9	26.6	39.8

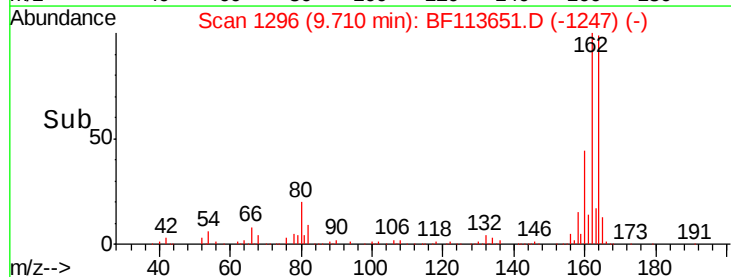
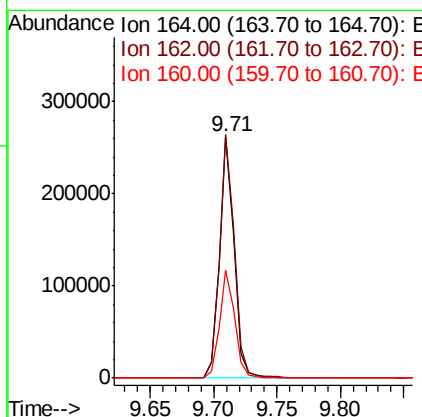
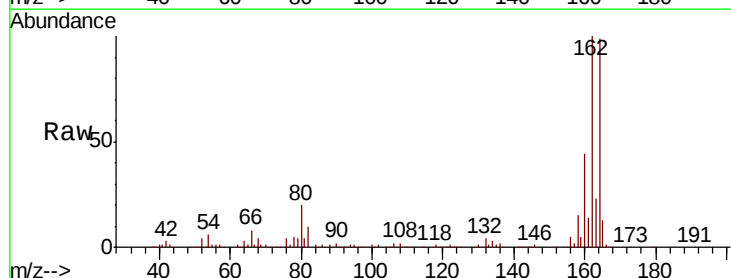
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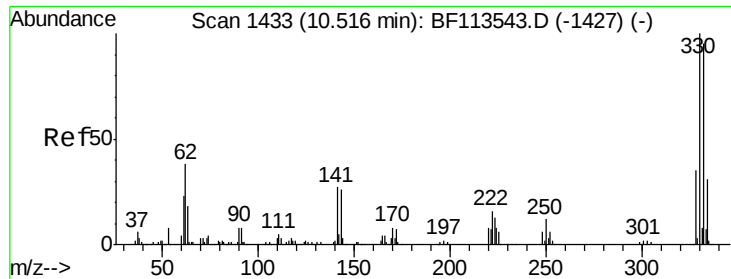
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#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.71 min Scan# 1296
Delta R.T. -0.01 min
Lab File: BF113651.D
Acq: 8 Apr 2019 20:57

Tgt Ion	Ratio	Lower	Upper
164	100		
162	100.8	81.8	122.6
160	44.6	36.4	54.6





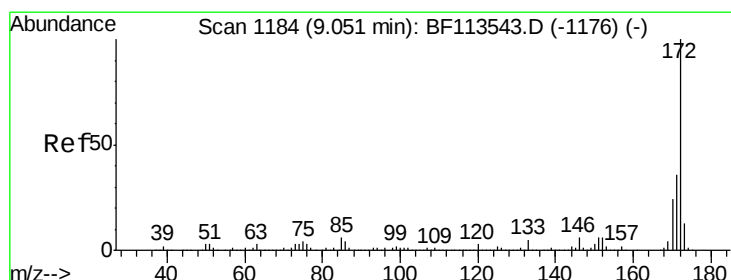
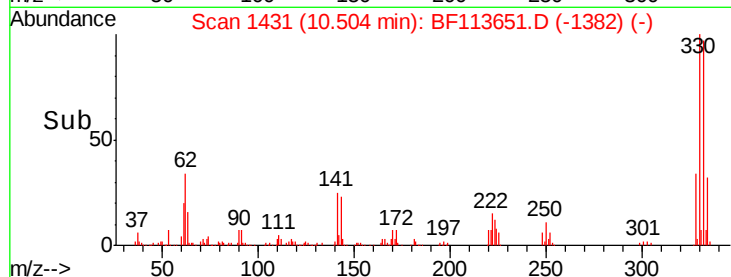
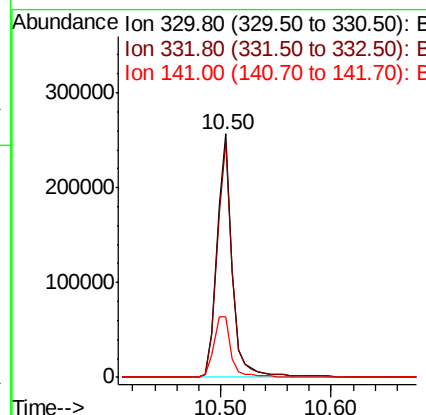
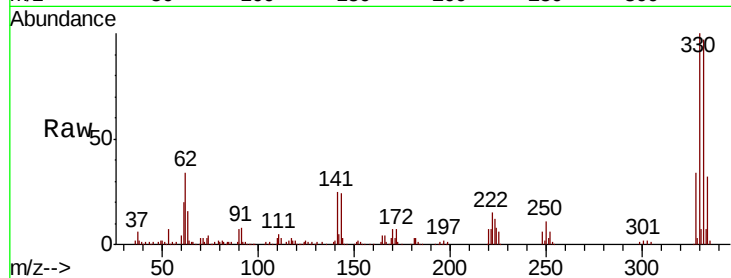
#42
 2,4,6-Tribromophenol
 Concen: 94.085 ng
 RT: 10.50 min Scan# 1431
 Delta R.T. -0.01 min
 Lab File: BF113651.D
 Acq: 8 Apr 2019 20:57

Instrument :
 BNA_F
 ClientSampleId :
 TP-14-S

Tot Ion	Ratio	Resp	Lower	Upper
330	100	242387		
332	97.3	77.8	116.6	
141	29.0	22.7	34.1	

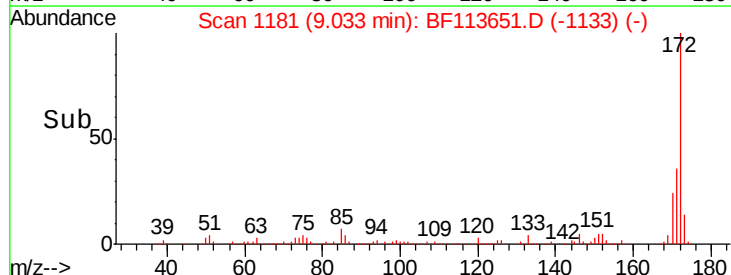
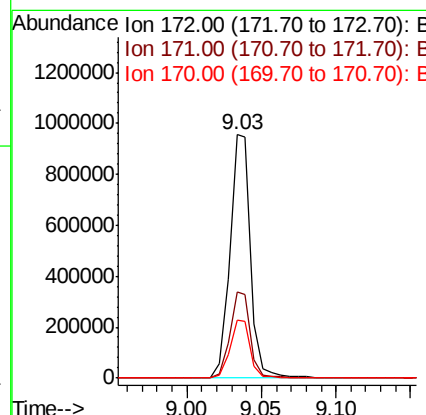
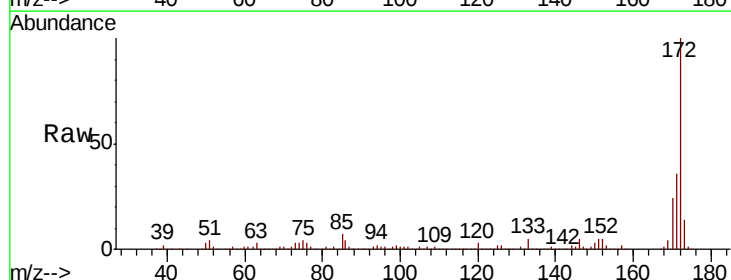
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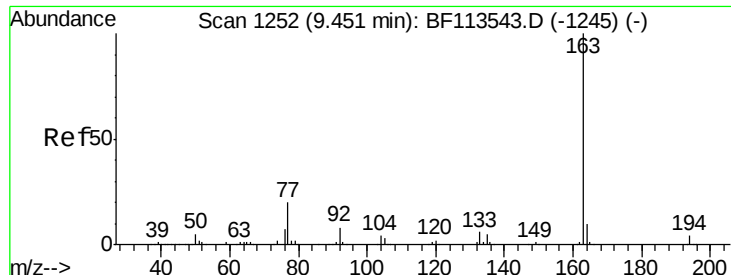
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#45
 2-Fluorobiphenyl
 Concen: 70.485 ng
 RT: 9.03 min Scan# 1181
 Delta R.T. -0.02 min
 Lab File: BF113651.D
 Acq: 8 Apr 2019 20:57

Tgt Ion	Ratio	Resp	Lower	Upper
172	100	938986		
171	35.6	29.0	43.6	
170	23.9	19.5	29.3	





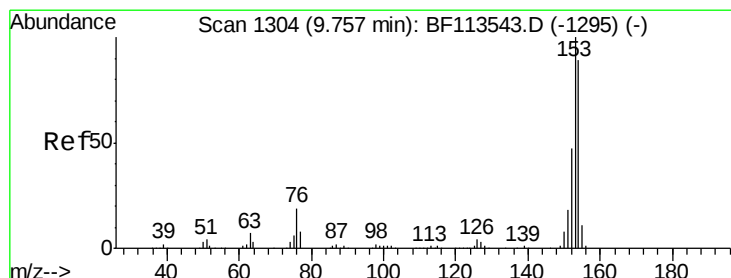
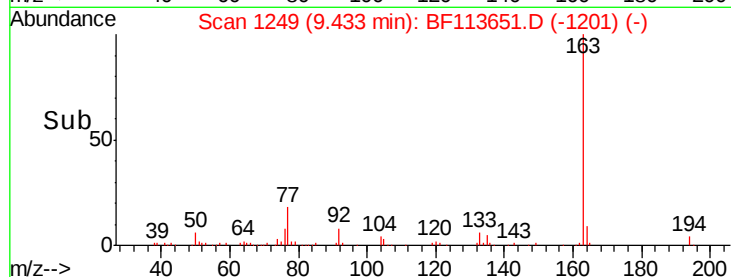
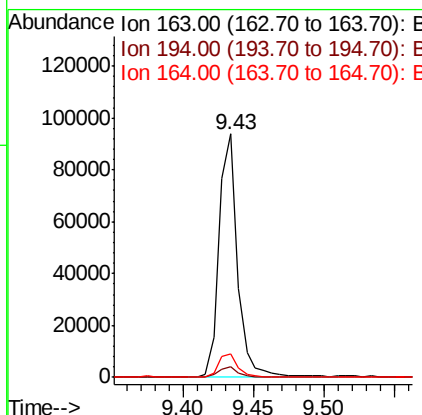
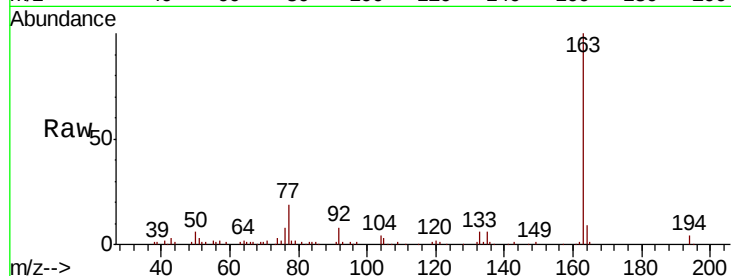
#50
Dimethylphthalate
Concen: 5.455 ng
RT: 9.43 min Scan# 1249
Delta R.T. -0.02 min
Lab File: BF113651.D
Acq: 8 Apr 2019 20:57

Instrument :
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ClientSampleId :
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Tot Ion:	163	Resp:	86235
Ion Ratio	Lower	Upper	
163	100		
194	4.2	3.0	4.6
164	9.4	8.1	12.1

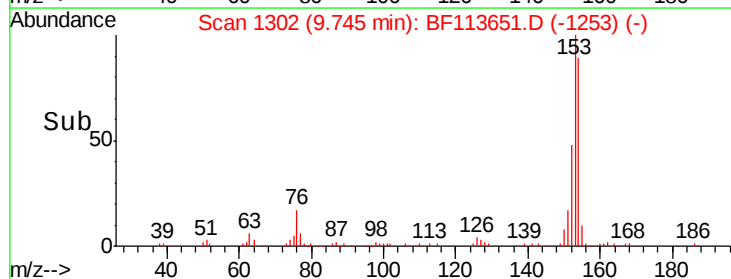
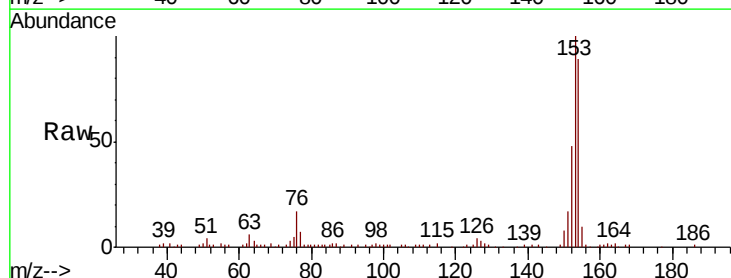
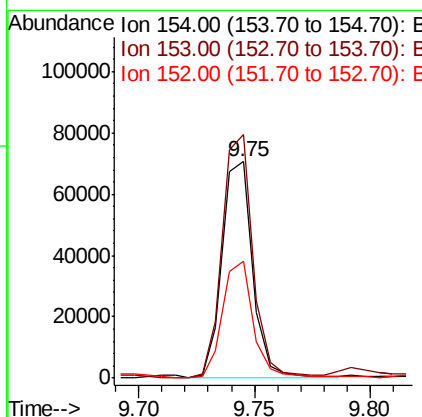
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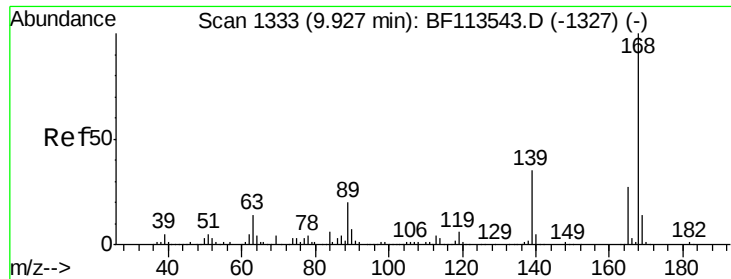
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#52
Acenaphthene
Concen: 5.236 ng
RT: 9.75 min Scan# 1302
Delta R.T. -0.01 min
Lab File: BF113651.D
Acq: 8 Apr 2019 20:57

Tgt Ion:	154	Resp:	65307
Ion Ratio	Lower	Upper	
154	100		
153	112.6	89.5	134.3
152	54.0	43.3	64.9





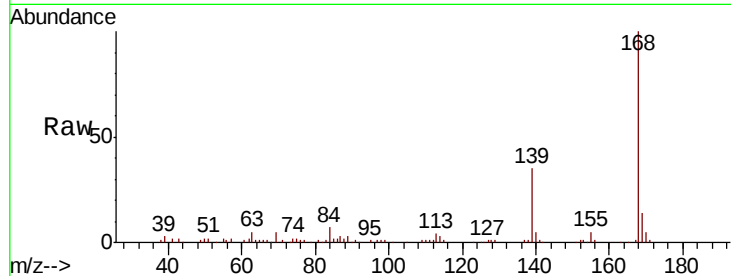
#55
Dibenzenofuran
Concen: 5.114 ng
RT: 9.92 min Scan# 1331
Delta R.T. -0.01 min
Lab File: BF113651.D
Acq: 8 Apr 2019 20:57

Instrument :
BNA_F
ClientSampled :
TP-14-S

Tot Ion	Ratio	Lower	Upper
168	100		
139	35.2	29.7	44.5
169	13.6	10.7	16.1

Manual Integrations
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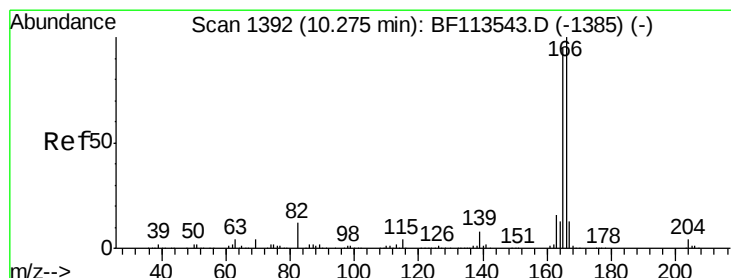
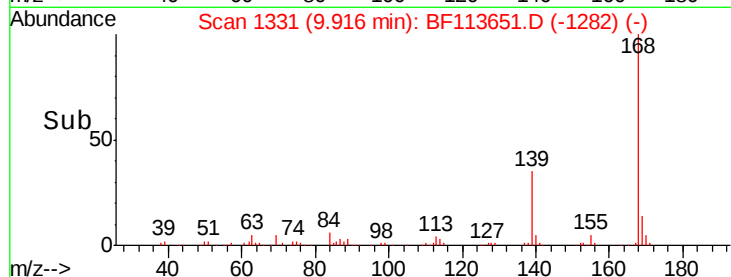
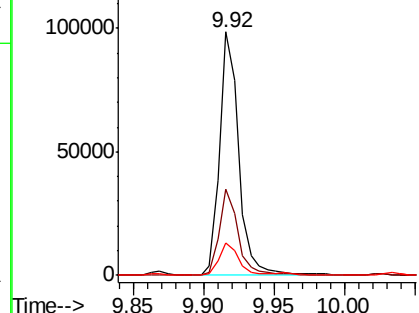


Abundance

Ion 168.00 (167.70 to 168.70): E

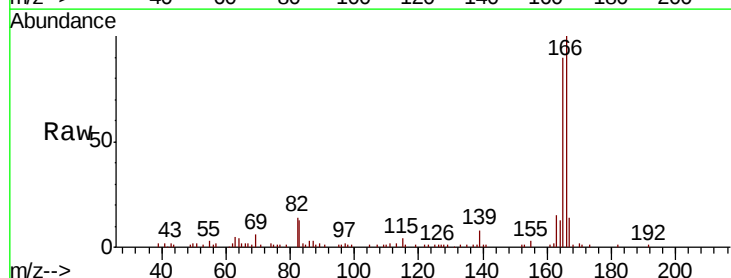
Ion 139.00 (138.70 to 139.70): E

Ion 169.00 (168.70 to 169.70): E



#58
Fluorene
Concen: 3.991 ng
RT: 10.26 min Scan# 1389
Delta R.T. -0.02 min
Lab File: BF113651.D
Acq: 8 Apr 2019 20:57

Tgt Ion	Ratio	Lower	Upper
166	100		
165	90.0	76.2	114.2
167	13.6	10.7	16.1

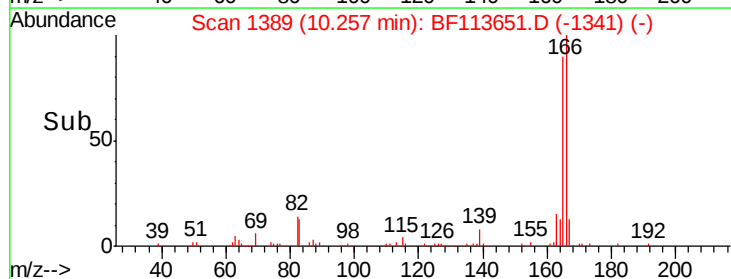
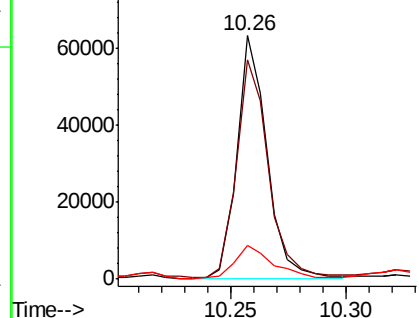


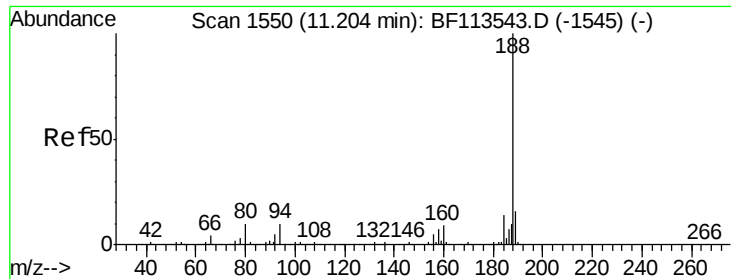
Abundance

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





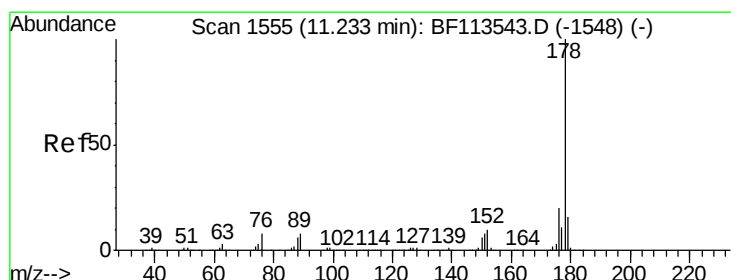
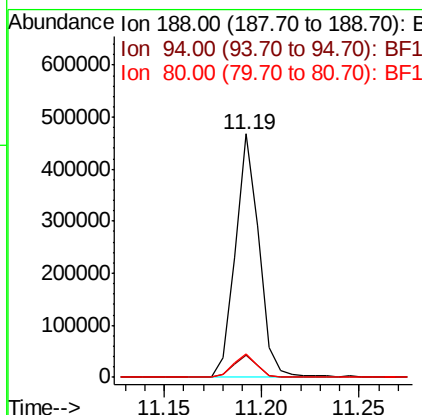
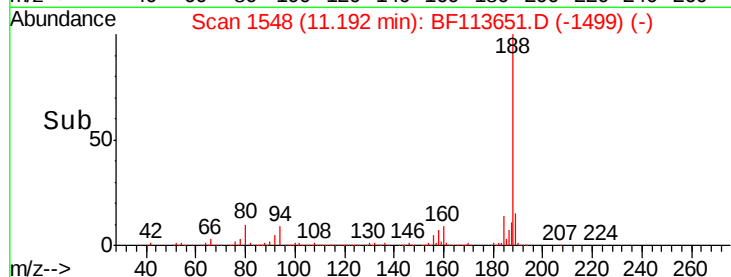
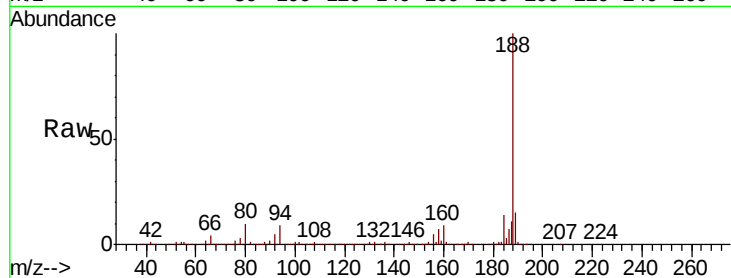
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.19 min Scan# 1548
Delta R.T. -0.01 min
Lab File: BF113651.D
Acq: 8 Apr 2019 20:57

Instrument :
BNA_F
ClientSampleId :
TP-14-S

Tot Ion:	188	Resp:	392135
Ion Ratio	Lower	Upper	
188	100		
94	9.2	7.0	10.6
80	9.6	7.7	11.5

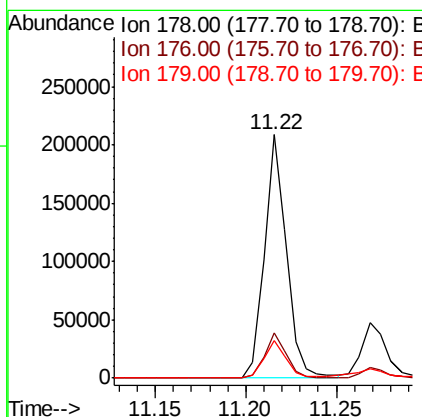
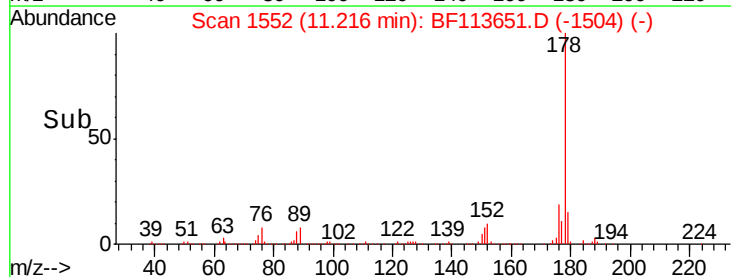
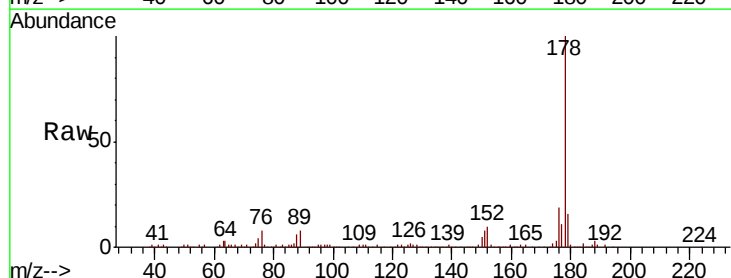
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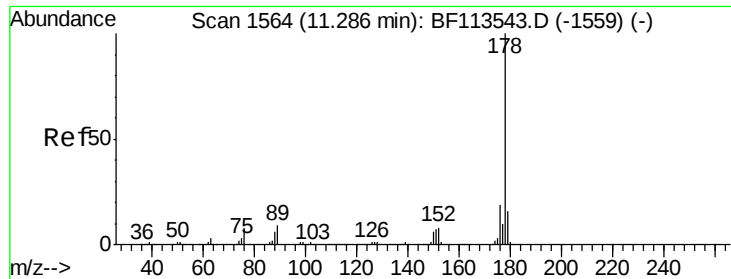
Sohil
4/9/2019 10:16:26 AM



#71
Phenanthrene
Concen: 9.077 ng
RT: 11.22 min Scan# 1552
Delta R.T. -0.02 min
Lab File: BF113651.D
Acq: 8 Apr 2019 20:57

Tgt Ion:	178	Resp:	176879
Ion Ratio	Lower	Upper	
178	100		
176	18.7	16.2	24.2
179	15.6	12.7	19.1





#72

Anthracene

Concen: 2.071 ng

RT: 11.27 min Scan# 1561

Delta R.T. -0.02 min

Lab File: BF113651.D

Acq: 8 Apr 2019 20:57

Instrument :

BNA_F

ClientSampleId :

TP-14-S

Tot Ion:178 Resp: 41062

Ion Ratio Lower Upper

178 100

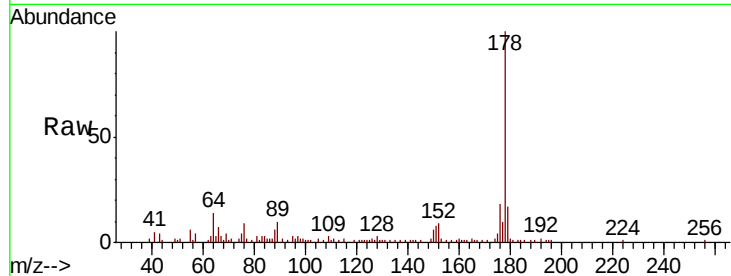
176 18.4 15.4 23.2

179 17.1 12.8 19.2

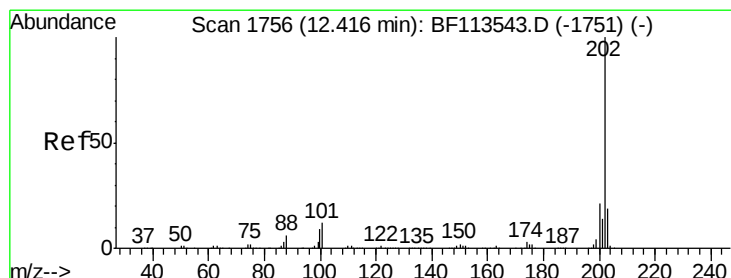
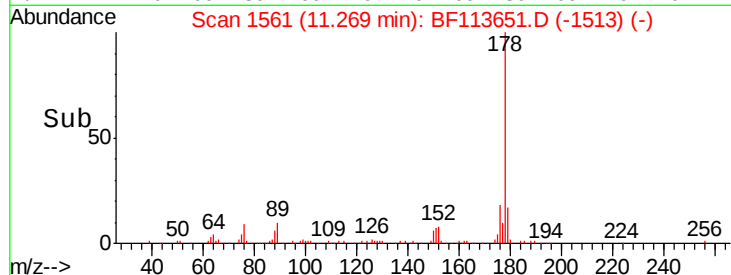
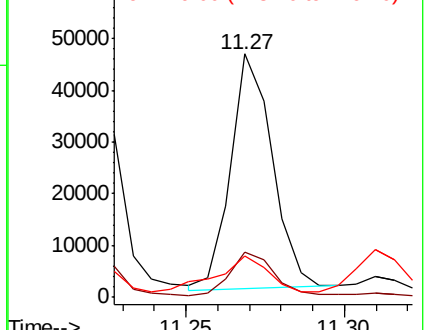
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Abundance Ion 178.00 (177.70 to 178.70): E
Ion 176.00 (175.70 to 176.70): E
Ion 179.00 (178.70 to 179.70): E



#75

Fluoranthene

Concen: 8.732 ng

RT: 12.40 min Scan# 1754

Delta R.T. -0.01 min

Lab File: BF113651.D

Acq: 8 Apr 2019 20:57

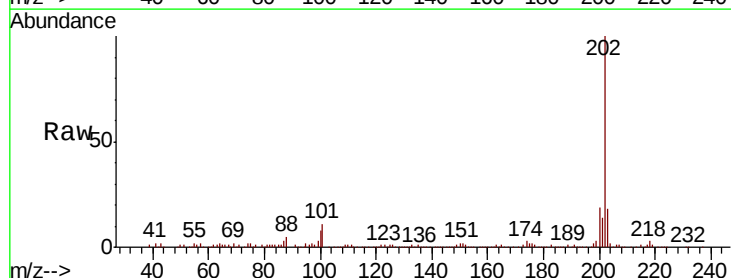
Tgt Ion:202 Resp: 182322

Ion Ratio Lower Upper

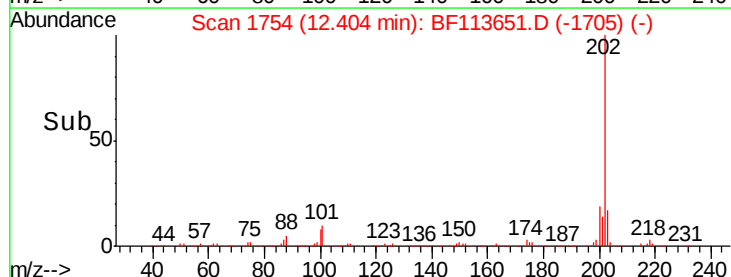
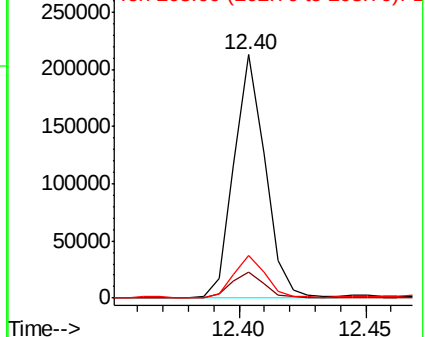
202 100

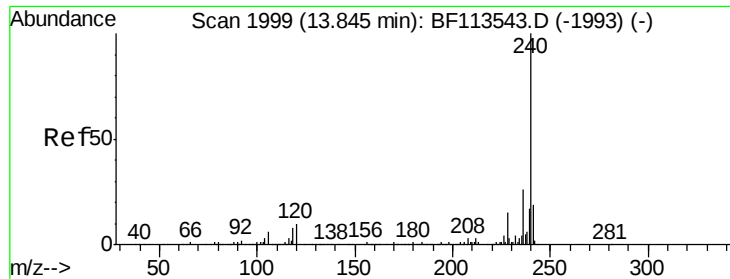
101 10.6 0.0 31.4

203 17.7 0.0 38.0



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: 13.83 min Scan# 1996

Delta R.T. -0.02 min

Lab File: BF113651.D

Acq: 8 Apr 2019 20:57

Instrument :

BNA_F

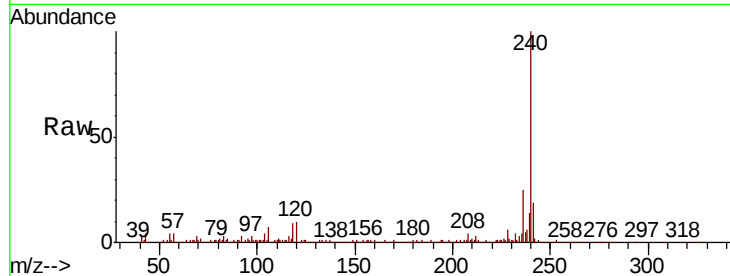
ClientSampleId :

TP-14-S

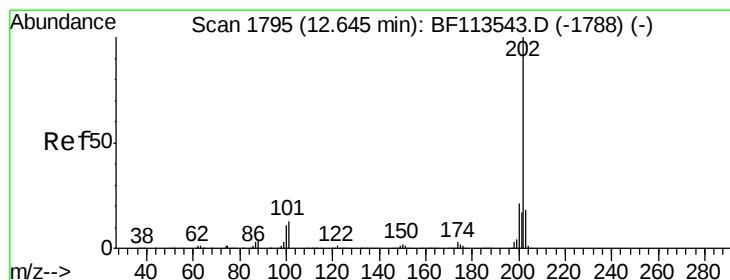
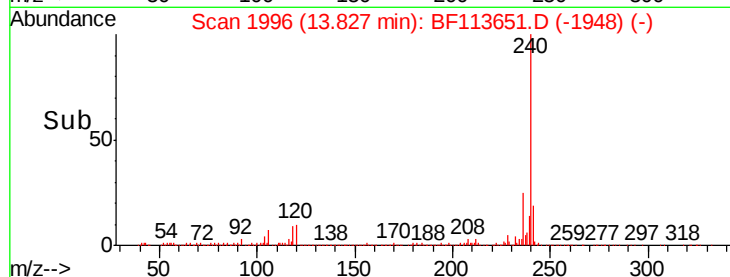
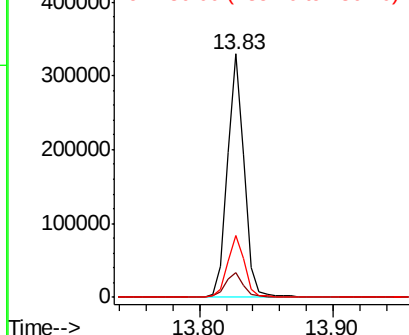
Tot Ion:	240	Resp:	290050
Ion Ratio	Lower	Upper	
240	100		
120	10.3	8.8	13.2
236	25.4	20.9	31.3

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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

Pyrene

Concen: 6.829 ng

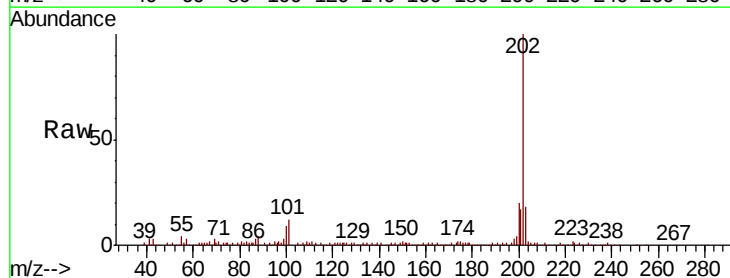
RT: 12.63 min Scan# 1793

Delta R.T. -0.01 min

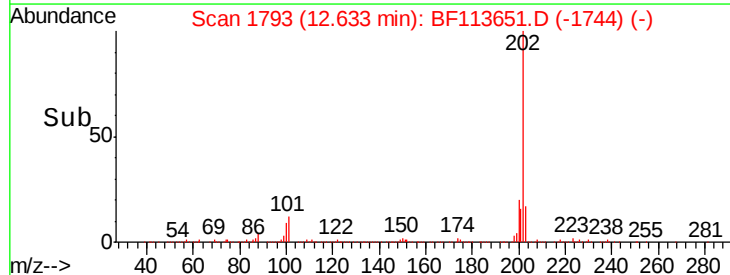
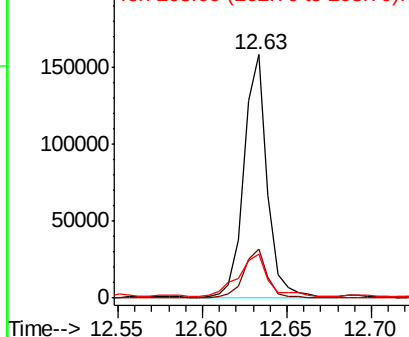
Lab File: BF113651.D

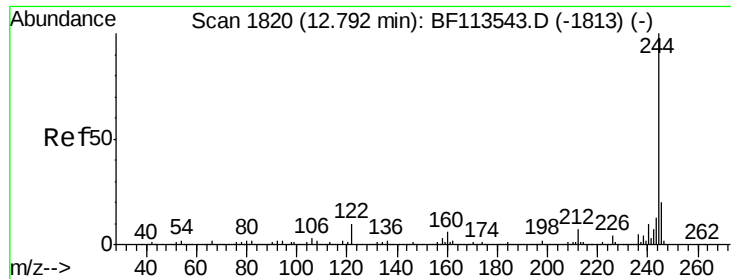
Acq: 8 Apr 2019 20:57

Tgt Ion:	202	Resp:	150716
Ion Ratio	Lower	Upper	
202	100		
200	20.0	16.8	25.2
203	17.8	14.4	21.6



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





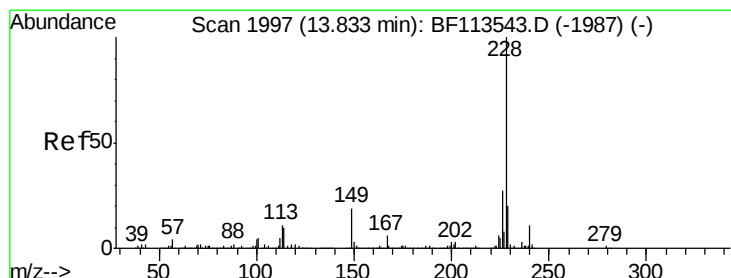
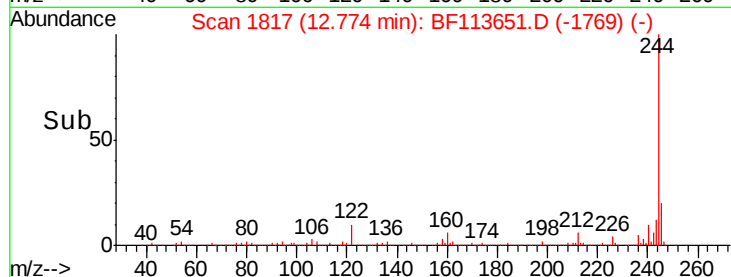
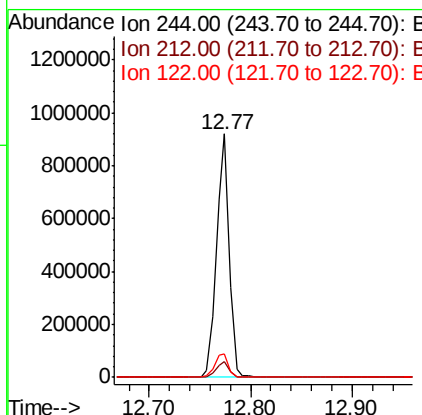
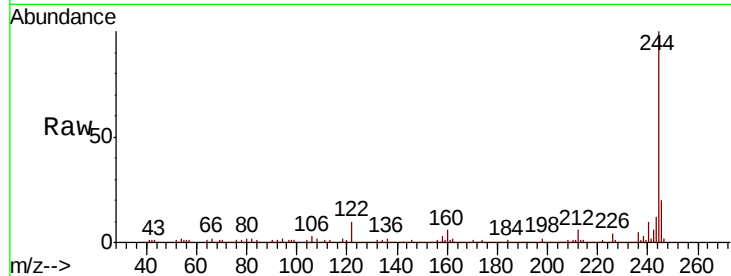
#79
 Terphenyl-d14
 Concen: 55.699 ng
 RT: 12.77 min Scan# 1817
 Delta R.T. -0.02 min
 Lab File: BF113651.D
 Acq: 8 Apr 2019 20:57

Instrument :
 BNA_F
 ClientSampleId :
 TP-14-S

Tot Ion	Ratio	Lower	Upper
244	100		
212	6.2	5.5	8.3
122	9.9	8.6	13.0

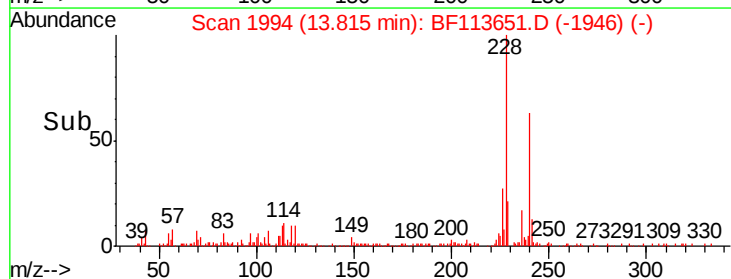
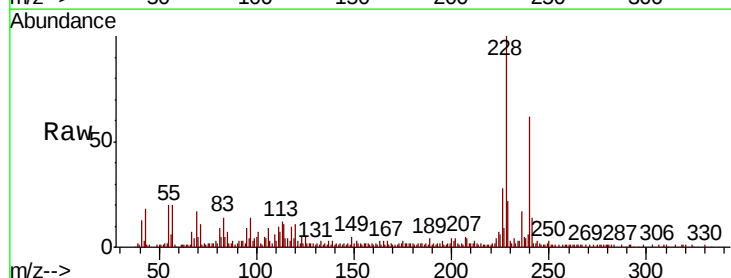
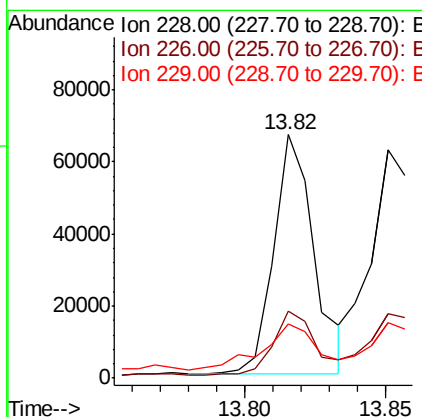
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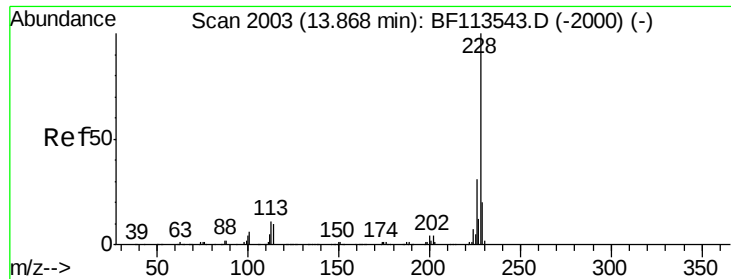
Sohil
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#81
 Benzo(a)anthracene
 Concen: 3.956 ng
 RT: 13.82 min Scan# 1994
 Delta R.T. -0.02 min
 Lab File: BF113651.D
 Acq: 8 Apr 2019 20:57

Tgt Ion	Ratio	Lower	Upper
228	100		
226	27.6	21.8	32.8
229	22.4	16.2	24.4





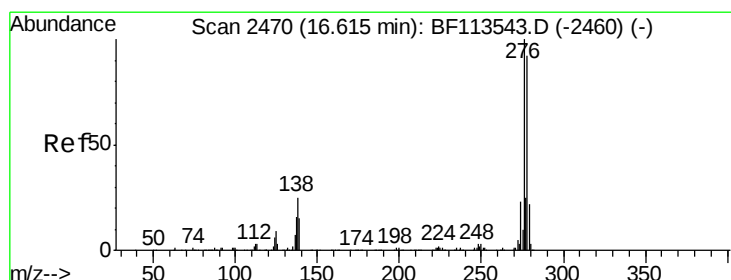
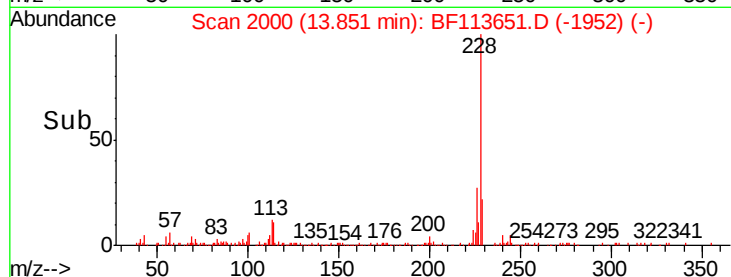
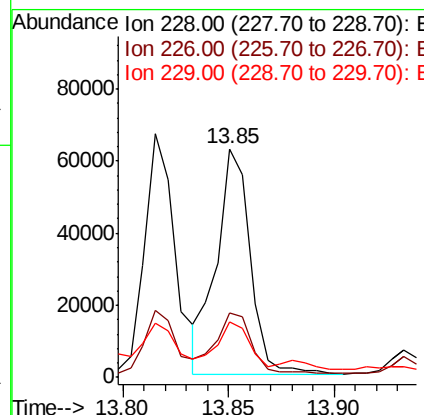
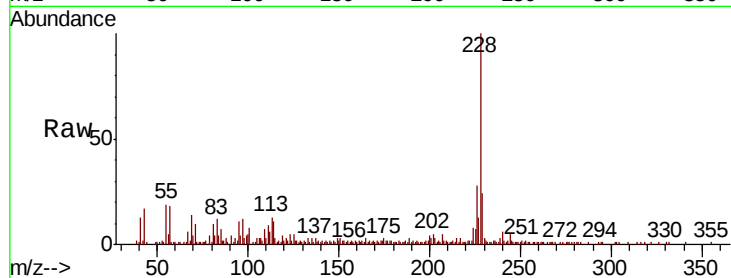
#83
Chrysene
Concen: 4.088 ng
RT: 13.85 min Scan# 2000
Delta R.T. -0.02 min
Lab File: BF113651.D
Acq: 8 Apr 2019 20:57

Instrument :
BNA_F
ClientSampled :
TP-14-S

Tot Ion	Ratio	Lower	Upper
228	100		
226	28.2	24.3	36.5
229	24.1	16.3	24.5

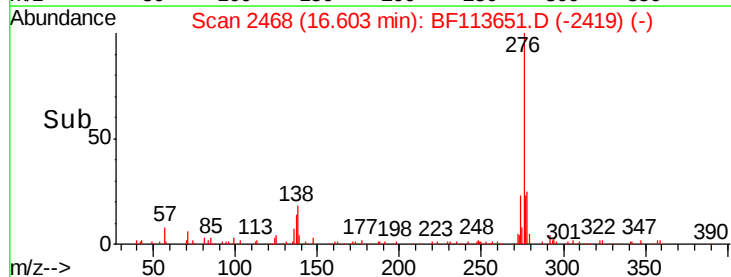
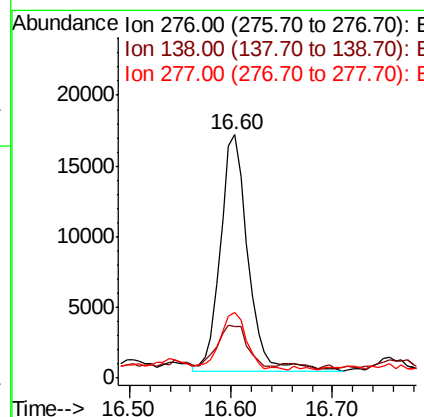
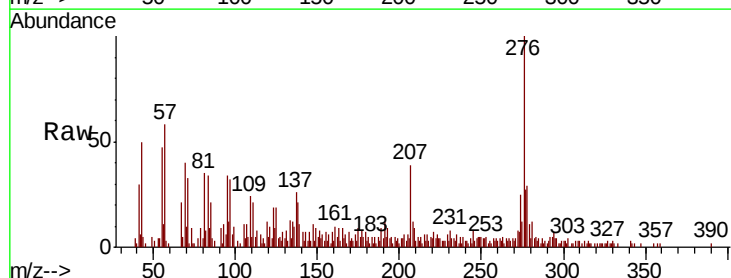
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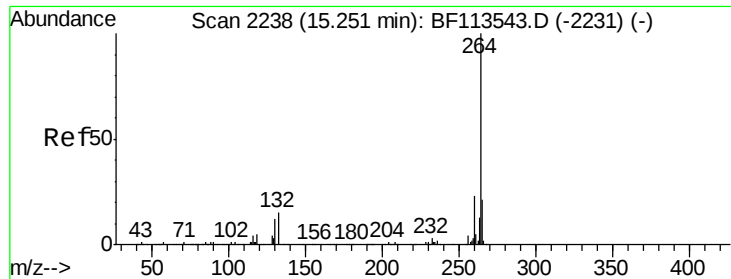
Sohil
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#86
Indeno(1,2,3-cd)pyrene
Concen: 2.041 ng
RT: 16.60 min Scan# 2468
Delta R.T. -0.01 min
Lab File: BF113651.D
Acq: 8 Apr 2019 20:57

Tgt Ion	Ratio	Lower	Upper
276	100		
138	20.2	18.1	27.1
277	23.7	20.2	30.4





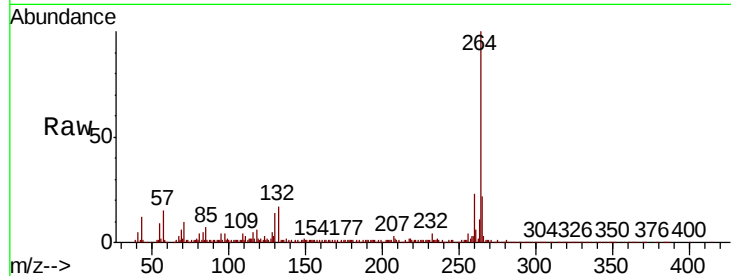
#87
Pervlene-d12
Concen: 20.000 ng
RT: 15.23 min Scan# 2235
Delta R.T. -0.02 min
Lab File: BF113651.D
Acq: 8 Apr 2019 20:57

Instrument :
BNA_F
ClientSampled :
TP-14-S

Tot Ion	Ratio	Lower	Upper
264	100		
260	22.8	19.1	28.7
265	21.9	17.1	25.7

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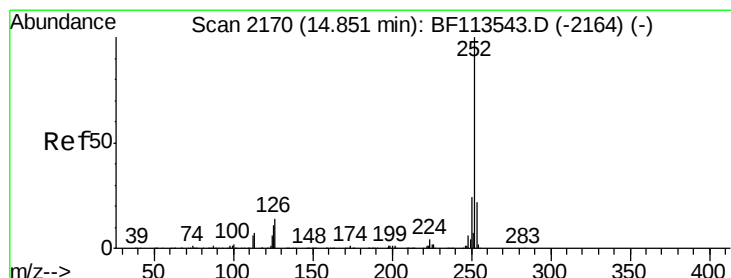
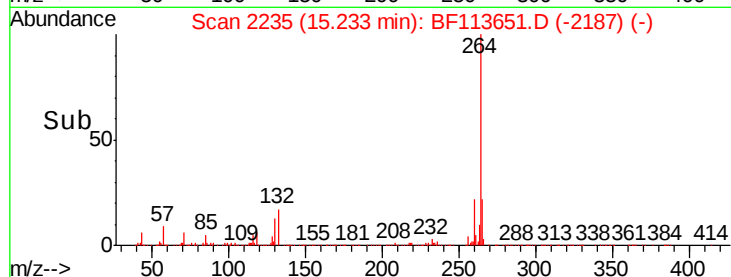
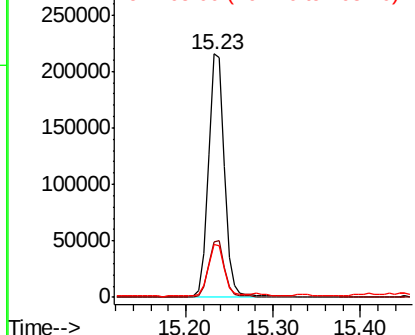


Abundance

Ion 264.00 (263.70 to 264.70): E

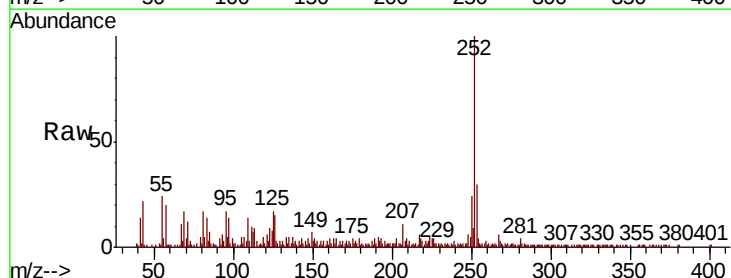
Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E



#88
Benzo(b)fluoranthene
Concen: 4.734 ng m
RT: 14.84 min Scan# 2168
Delta R.T. -0.01 min
Lab File: BF113651.D
Acq: 8 Apr 2019 20:57

Tgt Ion	Ratio	Lower	Upper
252	100		
253	29.7	18.0	27.0#
125	17.1	7.6	11.4#

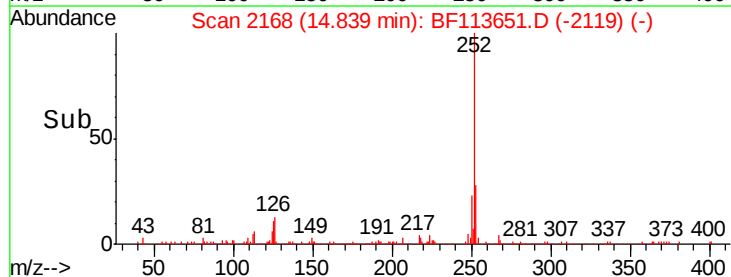
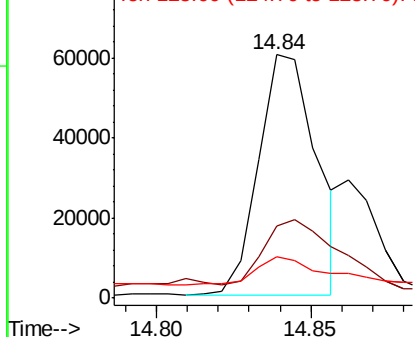


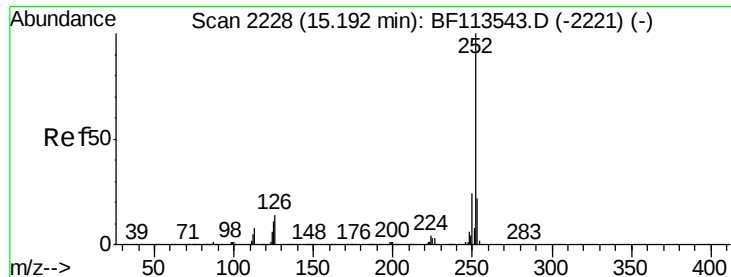
Abundance

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





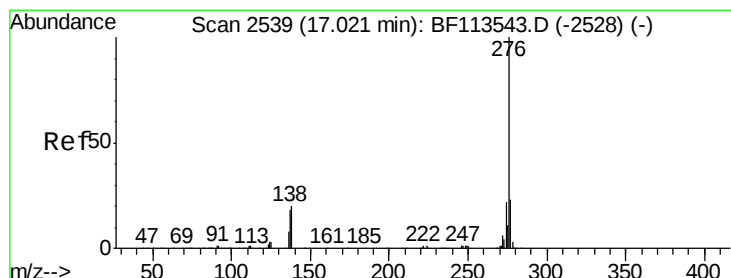
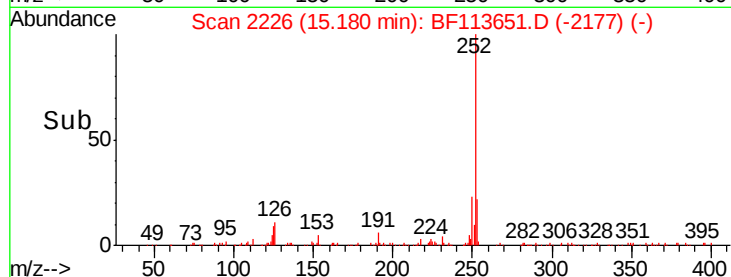
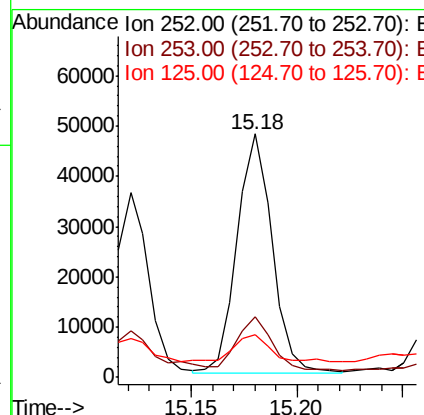
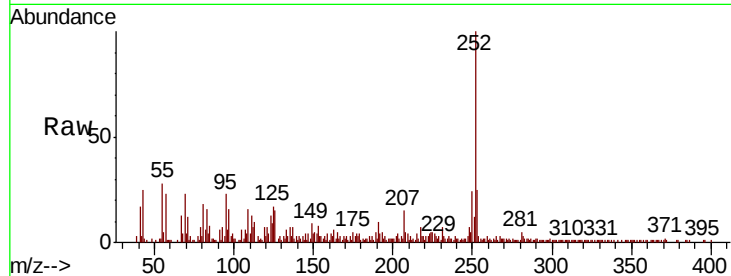
#90
Benzo(a)pyrene
Concen: 3.684 ng
RT: 15.18 min Scan# 2226
Delta R.T. -0.01 min
Lab File: BF113651.D
Acq: 8 Apr 2019 20:57

Instrument :
BNA_F
ClientSampleId :
TP-14-S

Tot Ion	Ratio	Lower	Upper
252	100		
253	24.7	17.9	26.9
125	17.3	8.8	13.2

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#92
Benzo(g,h,i)perylene
Concen: 2.113 ng
RT: 17.02 min Scan# 2538
Delta R.T. -0.01 min
Lab File: BF113651.D
Acq: 8 Apr 2019 20:57

Tgt Ion	Ratio	Lower	Upper
276	100		
277	27.5	18.8	28.2
138	22.5	15.6	23.4

