

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF081719\
 Data File : BF116363.D
 Acq On : 17 Aug 2019 17:52
 Operator : HP/JU
 Sample : K4228-02
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Quant Time: Aug 19 05:55:10 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF073019.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Aug 07 11:13:18 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.81	152	145150	20.00	ng	-0.04
21) Naphthalene-d8	8.09	136	565309	20.00	ng	-0.04
39) Acenaphthene-d10	9.84	164	296475	20.00	ng	-0.05
64) Phenanthrene-d10	11.33	188	499012	20.00	ng	-0.04
76) Chrysene-d12	13.97	240	306630	20.00	ng	-0.04
87) Perylene-d12	15.43	264	315148	20.00	ng	-0.05

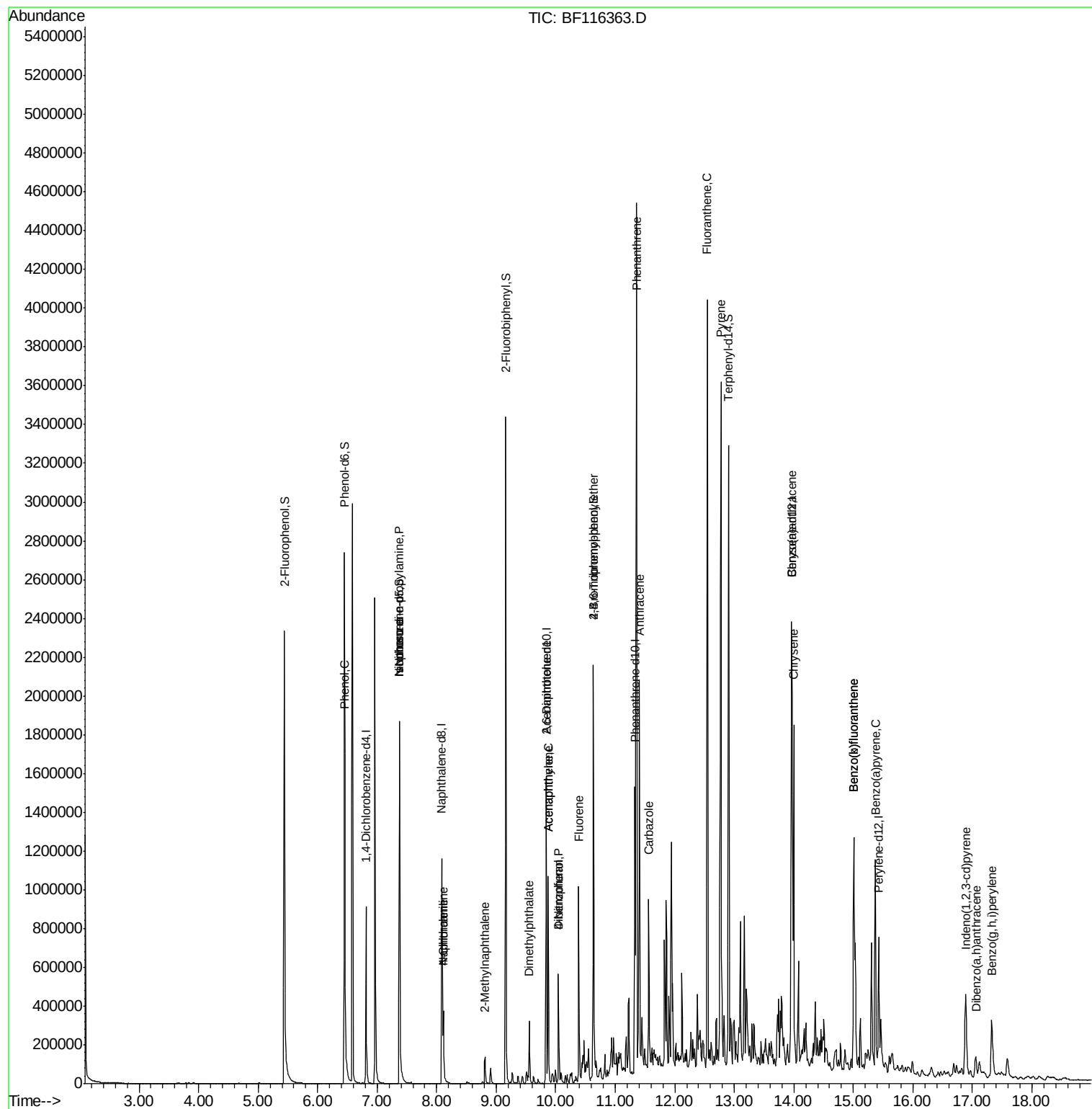
System Monitoring Compounds						
5) 2-Fluorophenol	5.44	112	830650	95.80	ng	-0.03
7) Phenol-d6	6.45	99	1086640	99.33	ng	-0.04
23) Nitrobenzene-d5	7.37	82	686648	70.11	ng	-0.04
42) 2,4,6-Tribromophenol	10.63	330	259337	90.22	ng	-0.04
45) 2-Fluorobiphenyl	9.16	172	1105814	69.86	ng	-0.04
79) Terphenyl-d14	12.91	244	1102823	75.79	ng	-0.04

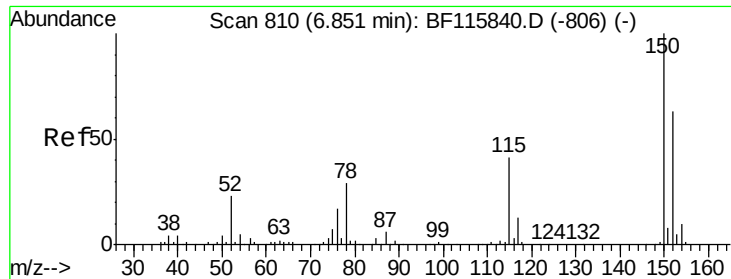
Target Compounds				Qvalue		
10) Phenol	6.46	94	52313	4.061	ng	93
19) n-Nitroso-di-n-propylamine	7.37	70	90736	13.385	ng	# 80
25) Isophorone	7.37	82	686702	36.670	ng	# 65
31) Naphthalene	8.11	128	190460	7.160	ng	97
33) 4-Chloroaniline	8.11	127	24371	2.050	ng	# 34
37) 2-Methylnaphthalene	8.81	142	45226	2.581	ng	97
49) Acenaphthylene	9.87	152	132470	5.212	ng	# 1
50) Dimethylphthalate	9.56	163	129261	6.403	ng	98
51) 2,6-Dinitrotoluene	9.84	165	40049	9.129	ng	# 29
52) Acenaphthene	9.87	154	249884	16.026	ng	99
55) Dibenzofuran	10.05	168	227188	10.019	ng	99
56) 4-Nitrophenol	10.05	139	86451	24.896	ng	# 6
58) Fluorene	10.39	166	274694	15.746	ng	99
67) 4-Bromophenyl-phenylether	10.63	248	15751	2.949	ng	# 1
71) Phenanthrene	11.36	178	1842435	72.222	ng	98
72) Anthracene	11.40	178	747837	28.966	ng	100
73) Carbazole	11.56	167	309909	13.231	ng	99
75) Fluoranthene	12.55	202	1855384	69.472	ng	98
78) Pyrene	12.77	202	1628747	70.465	ng	98
81) Benzo(a)anthracene	13.96	228	772974	39.440	ng	99
83) Chrysene	14.00	228	609858	32.052	ng	97
86) Indeno(1,2,3-cd)pyrene	16.89	276	284385	17.795	ng	96
88) Benzo(b)fluoranthene	15.00	252	936998	51.421	ng	98
89) Benzo(k)fluoranthene	15.00	252	936776	52.780	ng	97
90) Benzo(a)pyrene	15.37	252	521149	31.993	ng	98
91) Dibenzo(a,h)anthracene	17.06	278	66339	4.705	ng	97
92) Benzo(g,h,i)perylene	17.32	276	256188	18.500	ng	97

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

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF081719\
Data File : BF116363.D
Acq On : 17 Aug 2019 17:52
Operator : HP/JU
Sample : K4228-02
Misc :
ALS Vial : 17 Sample Multiplier: 1

Quant Time: Aug 19 05:55:10 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF073019.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Aug 07 11:13:18 2019
Response via : Initial Calibration

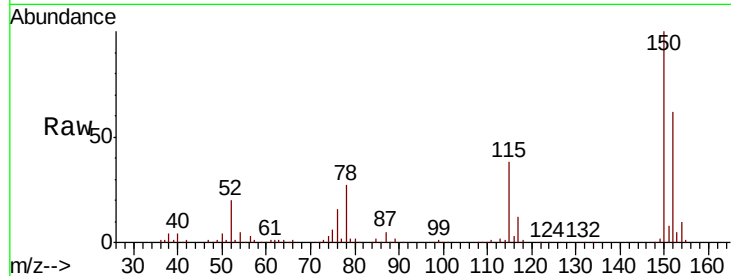




#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.81 min Scan# 803
Delta R.T. -0.04 min
Lab File: BF116363.D
Acq: 17 Aug 2019 17:52

Tot Ion	Ratio	Lower	Upper
152	100		
150	160.4	126.2	189.2
115	61.4	49.9	74.9

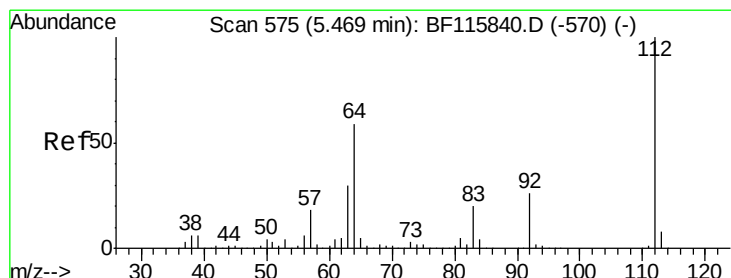
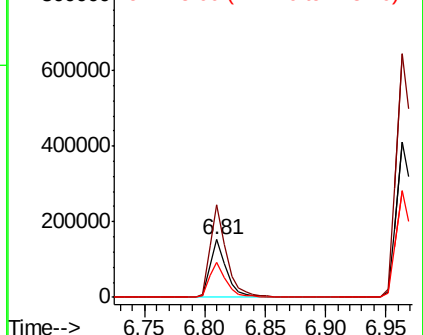
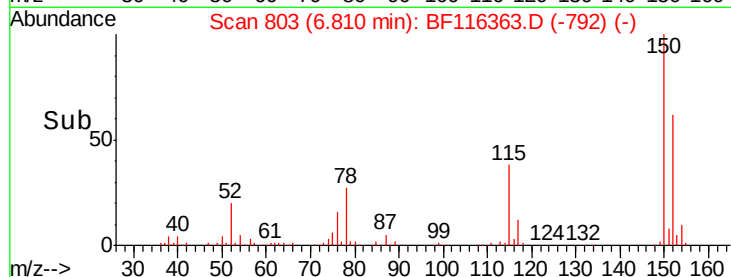


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

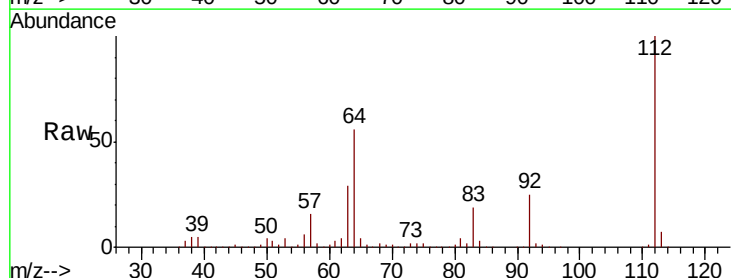
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 95.802 ng
RT: 5.44 min Scan# 570
Delta R.T. -0.03 min
Lab File: BF116363.D
Acq: 17 Aug 2019 17:52

Tgt Ion	Ratio	Lower	Upper
112	100		
64	56.0	45.4	68.2
63	29.1	23.7	35.5

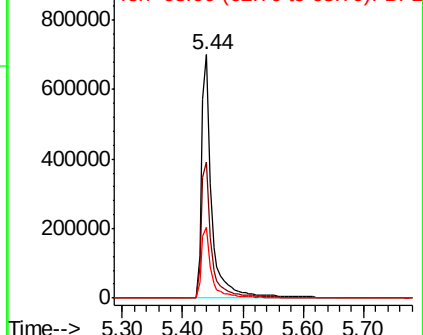
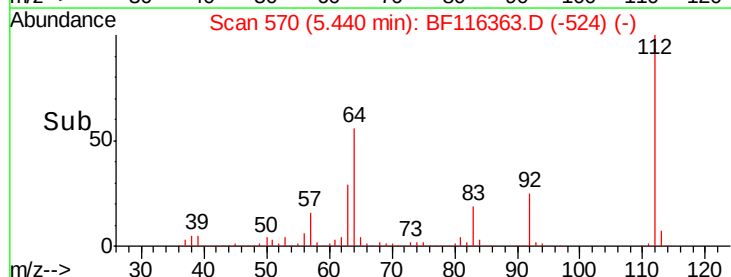


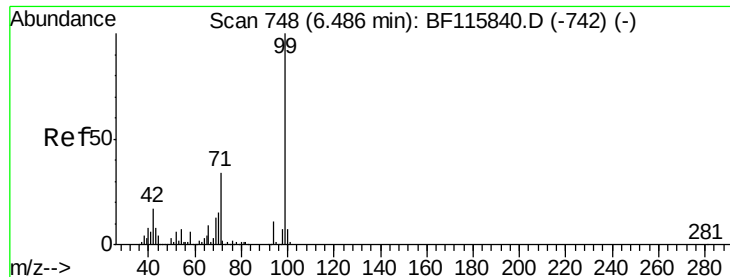
Abundance

Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF1

Ion 63.00 (62.70 to 63.70): BF1





#7

Phenol-d6

Concen: 99.333 ng

RT: 6.45 min Scan# 742

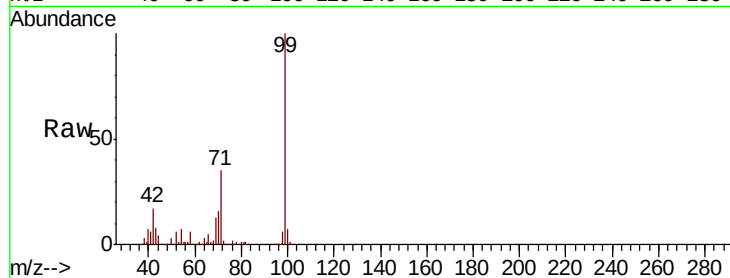
Delta R.T. -0.04 min

Lab File: BF116363.D

Acq: 17 Aug 2019 17:52

Tot Ion: 99 Resp: 1086640

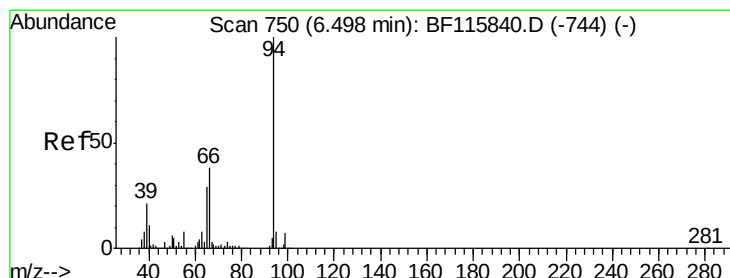
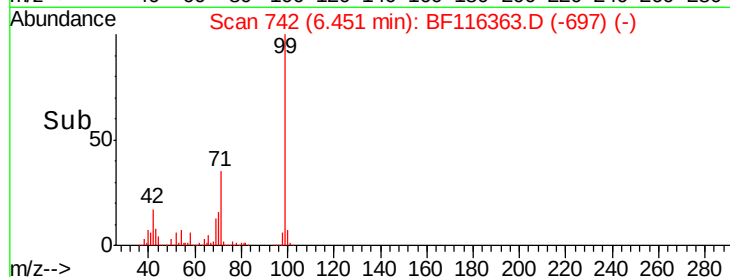
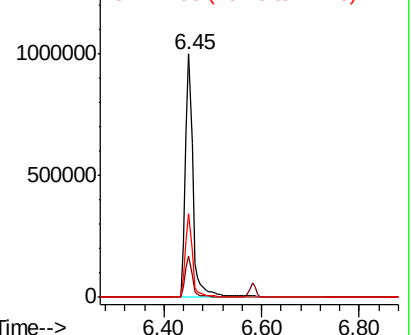
Ion	Ratio	Lower	Upper
99	100		
42	17.1	13.8	20.8
71	34.5	27.3	40.9



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



#10

Phenol

Concen: 4.061 ng

RT: 6.46 min Scan# 744

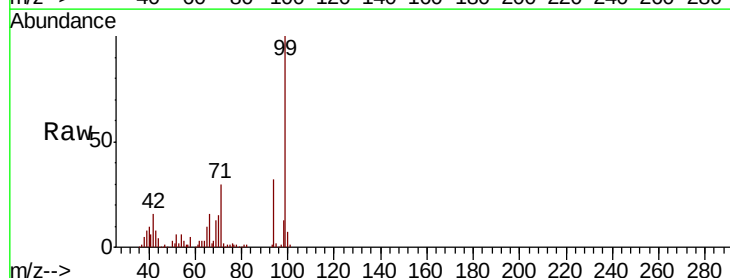
Delta R.T. -0.04 min

Lab File: BF116363.D

Acq: 17 Aug 2019 17:52

Tgt Ion: 94 Resp: 52313

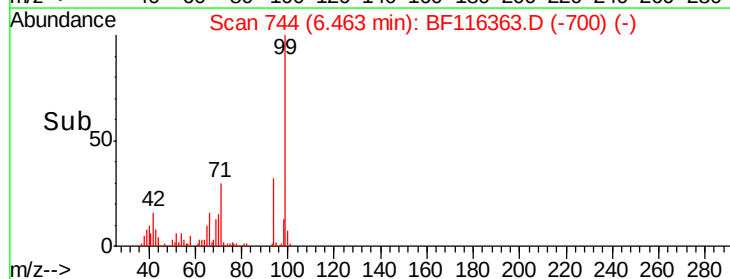
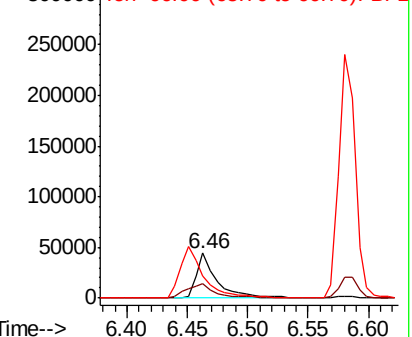
Ion	Ratio	Lower	Upper
94	100		
65	31.5	16.8	56.8
66	49.9	34.2	74.2

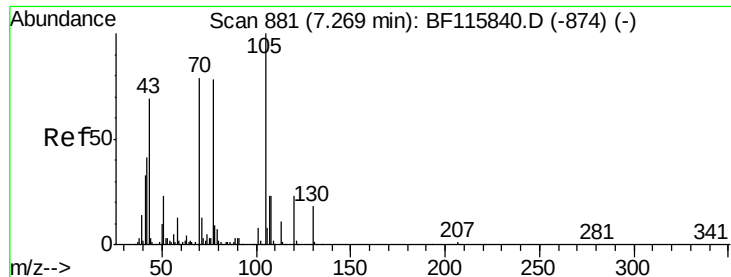


Abundance Ion 94.00 (93.70 to 94.70): BF1

Ion 65.00 (64.70 to 65.70): BF1

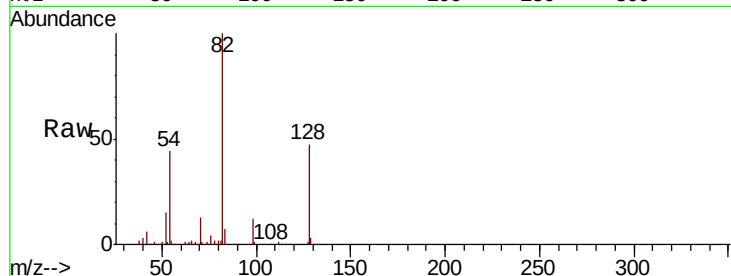
Ion 66.00 (65.70 to 66.70): BF1



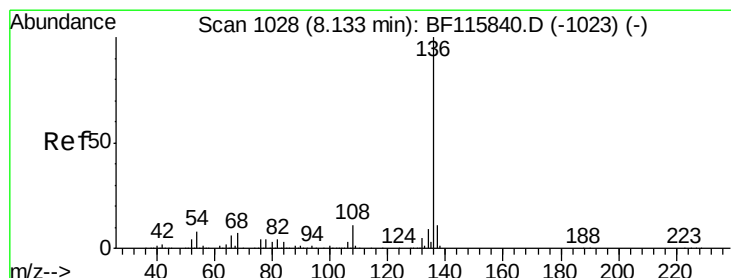
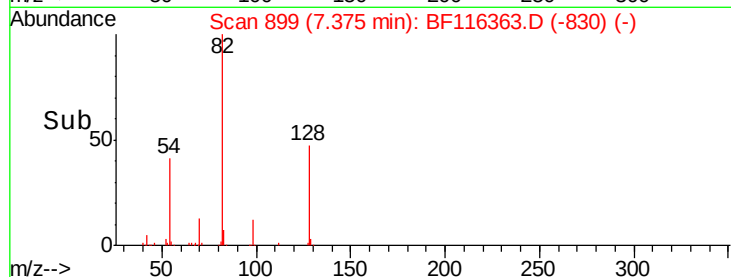
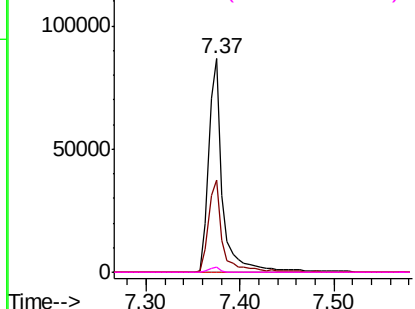


#19
n-Nitroso-di-n-propylamine
Concen: 13.385 ng
RT: 7.37 min Scan# 899
Delta R.T. 0.11 min
Lab File: BF116363.D
Acq: 17 Aug 2019 17:52

Tot Ion:	70	Resp:	90736
Ion	Ratio	Lower	Upper
70	100		
42	43.4	40.9	61.3
101	0.0	7.9	11.9#
130	2.3	16.9	25.3#

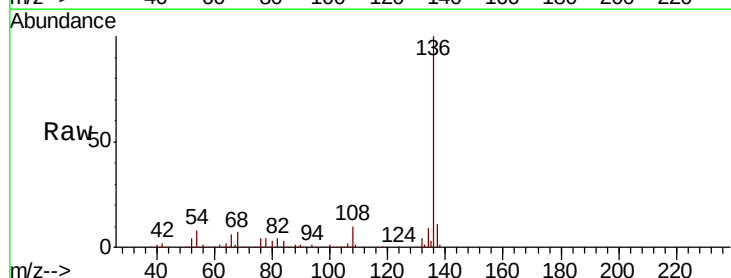


Abundance Ion 70.00 (69.70 to 70.70): BF1
Ion 42.00 (41.70 to 42.70): BF1
Ion 101.00 (100.70 to 101.70): E
Ion 130.00 (129.70 to 130.70): E

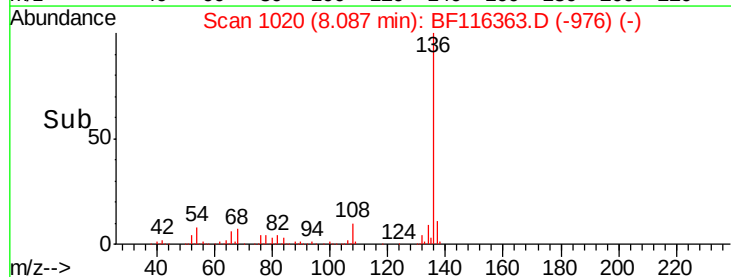
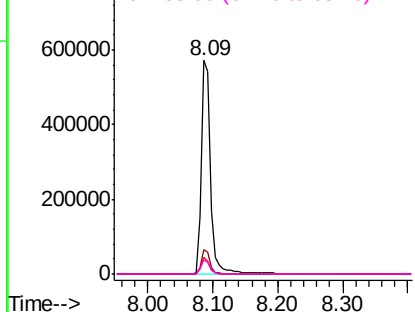


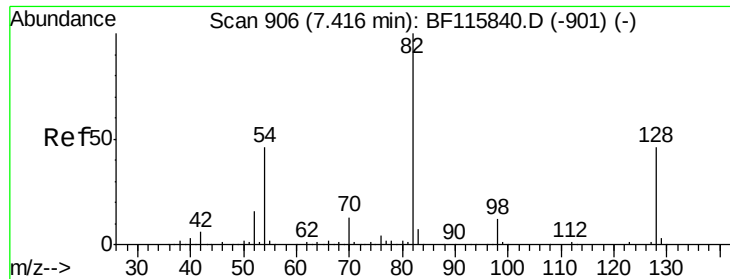
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.09 min Scan# 1020
Delta R.T. -0.04 min
Lab File: BF116363.D
Acq: 17 Aug 2019 17:52

Tgt Ion:	136	Resp:	565309
Ion	Ratio	Lower	Upper
136	100		
137	11.3	9.0	13.4
54	7.7	5.8	8.6
68	6.7	5.2	7.8



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: 70.113 ng

RT: 7.37 min Scan# 899

Delta R.T. -0.04 min

Lab File: BF116363.D

Acq: 17 Aug 2019 17:52

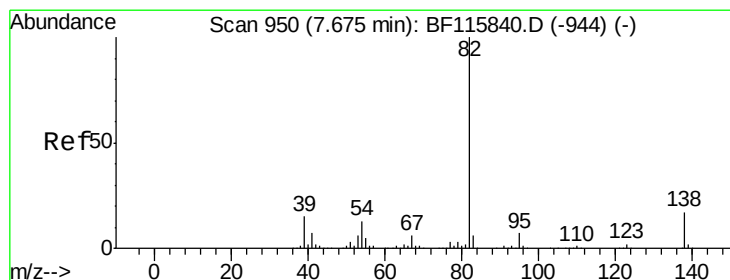
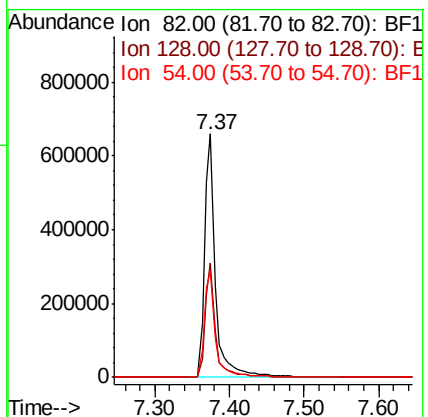
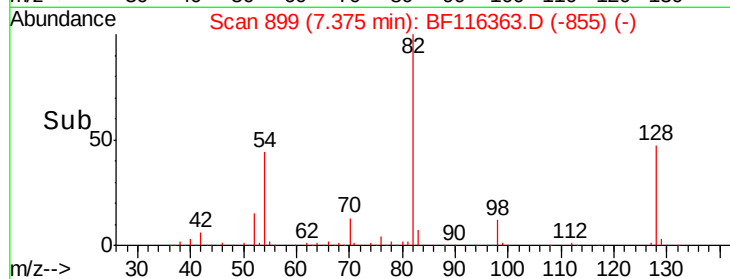
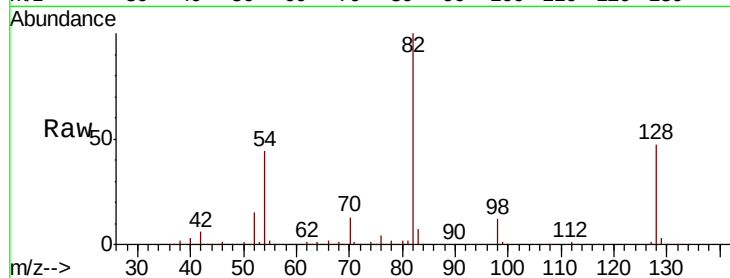
Tot Ion: 82 Resp: 686648

Ion Ratio Lower Upper

82 100

128 47.0 36.5 54.7

54 43.9 36.0 54.0



#25

Isophorone

Concen: 36.670 ng

RT: 7.37 min Scan# 899

Delta R.T. -0.30 min

Lab File: BF116363.D

Acq: 17 Aug 2019 17:52

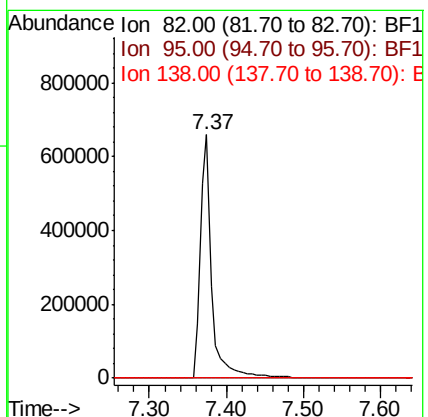
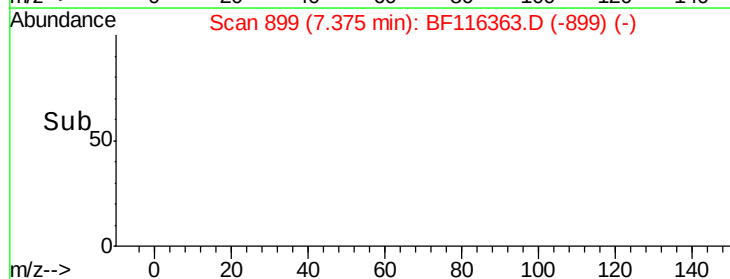
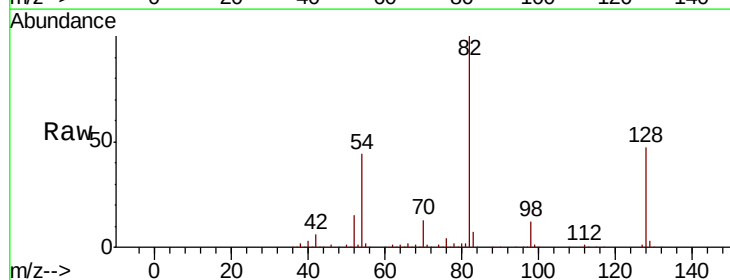
Tgt Ion: 82 Resp: 686702

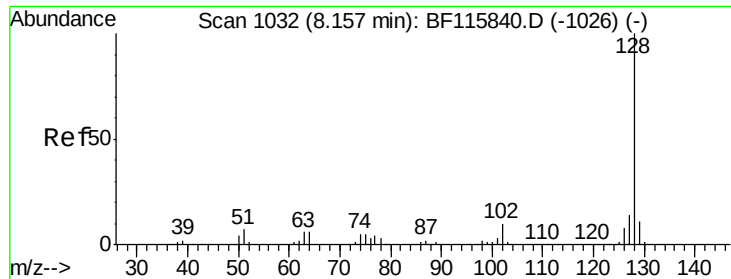
Ion Ratio Lower Upper

82 100

95 0.0 5.4 8.0#

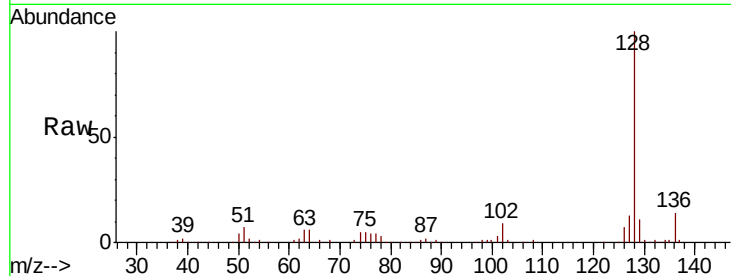
138 0.0 14.5 21.7#



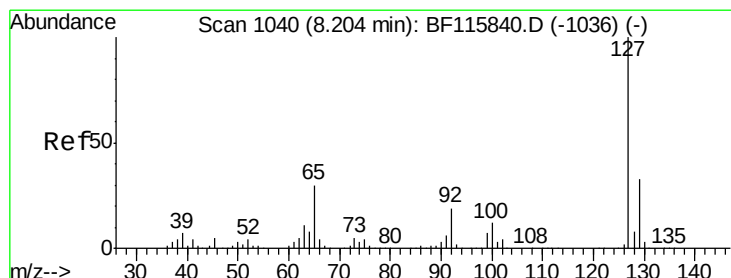
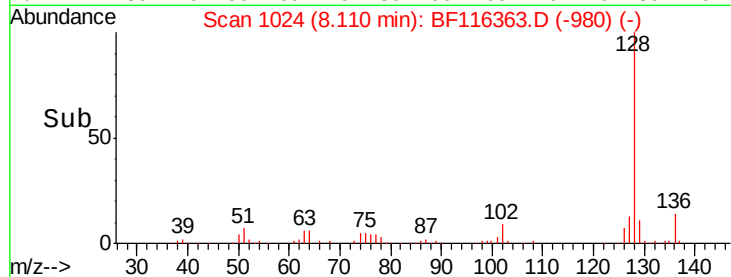
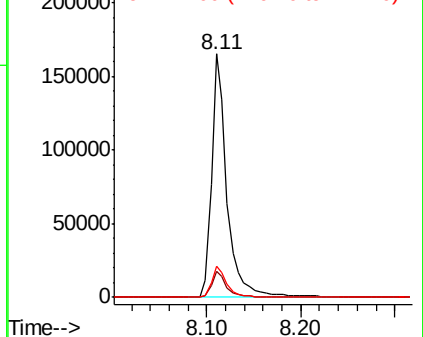


#31
Naphthalene
Concen: 7.160 ng
RT: 8.11 min Scan# 1024
Delta R.T. -0.04 min
Lab File: BF116363.D
Acq: 17 Aug 2019 17:52

Tot Ion:128 Resp: 190460
Ion Ratio Lower Upper
128 100
129 10.8 9.3 13.9
127 13.0 11.4 17.0

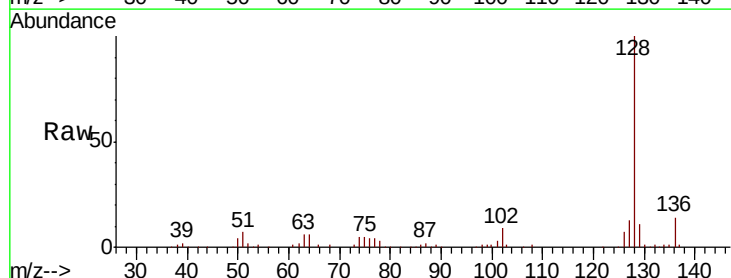


Abundance Ion 128.00 (127.70 to 128.70): E
Ion 129.00 (128.70 to 129.70): E
Ion 127.00 (126.70 to 127.70): E

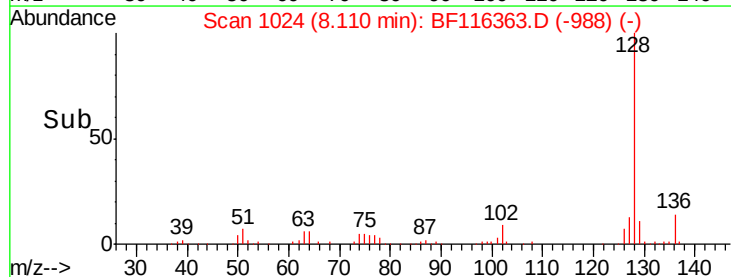
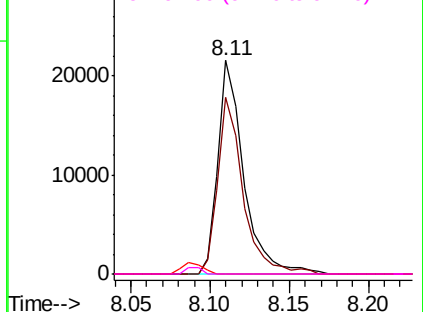


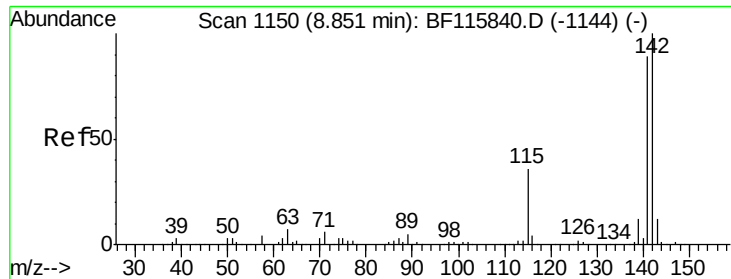
#33
4-Chloroaniline
Concen: 2.050 ng
RT: 8.11 min Scan# 1024
Delta R.T. -0.09 min
Lab File: BF116363.D
Acq: 17 Aug 2019 17:52

Tgt Ion:127 Resp: 24371
Ion Ratio Lower Upper
127 100
129 82.8 26.1 39.1#
65 0.0 24.9 37.3#
92 0.0 15.7 23.5#



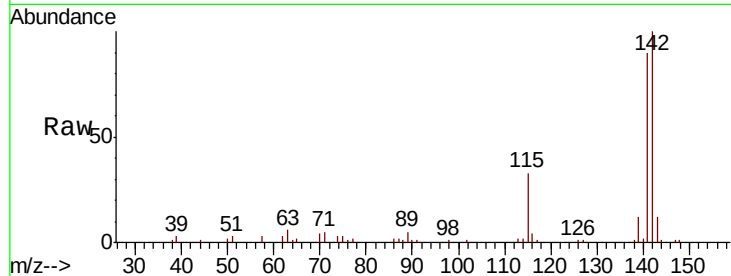
Abundance Ion 127.00 (126.70 to 127.70): E
Ion 129.00 (128.70 to 129.70): E
Ion 65.00 (64.70 to 65.70): BF1
Ion 92.00 (91.70 to 92.70): BF1



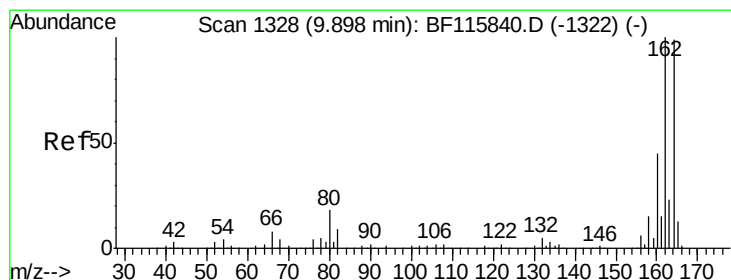
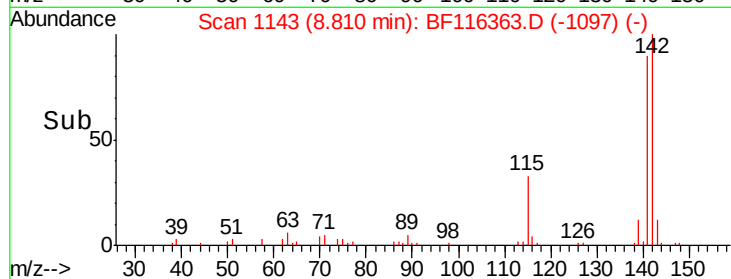
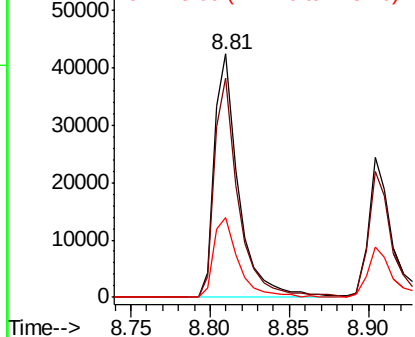


#37
2-Methylnaphthalene
Concen: 2.581 ng
RT: 8.81 min Scan# 1143
Delta R.T. -0.03 min
Lab File: BF116363.D
Acq: 17 Aug 2019 17:52

Tot Ion:142 Resp: 45226
Ion Ratio Lower Upper
142 100
141 89.9 70.9 106.3
115 32.7 29.0 43.6

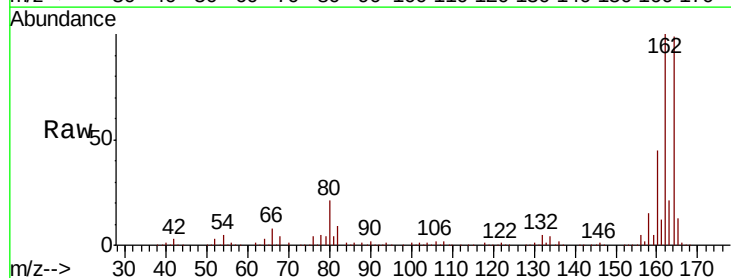


Abundance Ion 142.00 (141.70 to 142.70): E
Ion 141.00 (140.70 to 141.70): E
Ion 115.00 (114.70 to 115.70): E

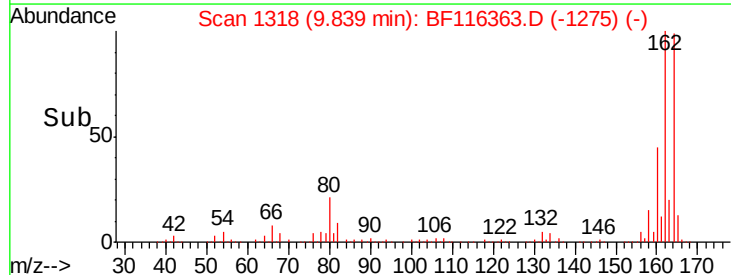
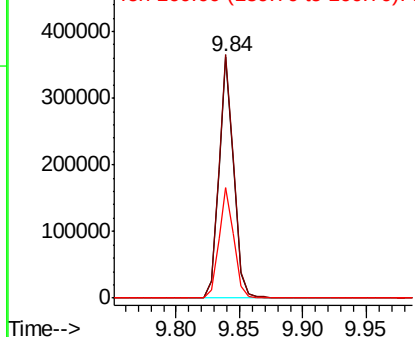


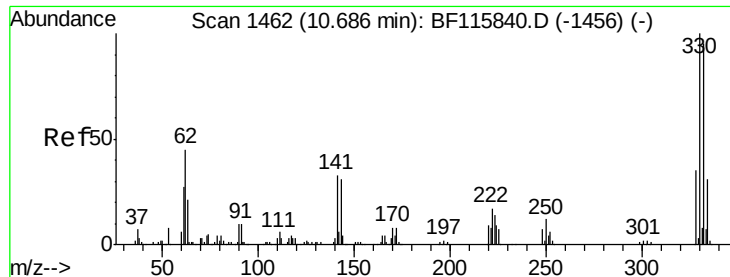
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.84 min Scan# 1318
Delta R.T. -0.05 min
Lab File: BF116363.D
Acq: 17 Aug 2019 17:52

Tgt Ion:164 Resp: 296475
Ion Ratio Lower Upper
164 100
162 101.0 82.6 124.0
160 45.6 37.6 56.4



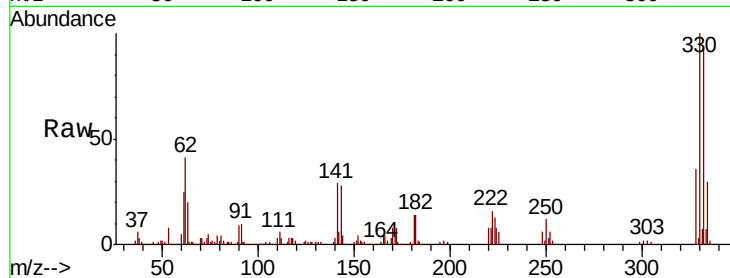
Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E





#42
 2,4,6-Tribromophenol
 Concen: 90.223 ng
 RT: 10.63 min Scan# 1453
 Delta R.T. -0.04 min
 Lab File: BF116363.D
 Acq: 17 Aug 2019 17:52

Tot Ion	Ratio	Lower	Upper
330	100		
332	95.3	76.8	115.2
141	35.2	26.3	39.5

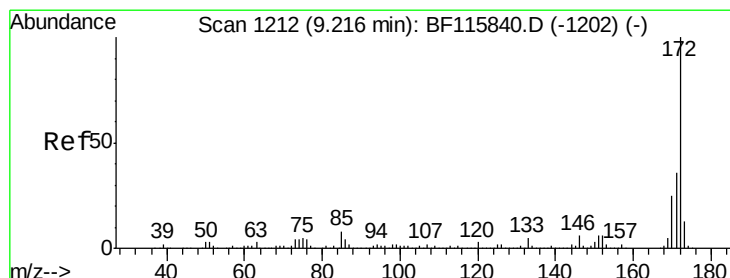
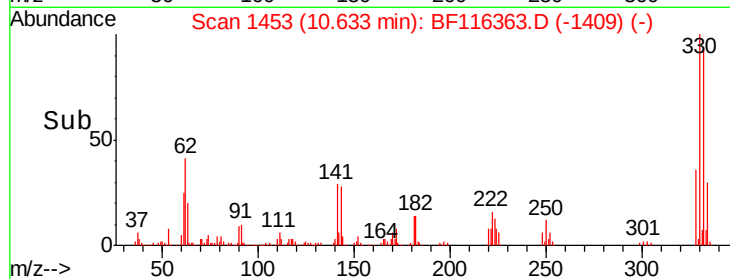
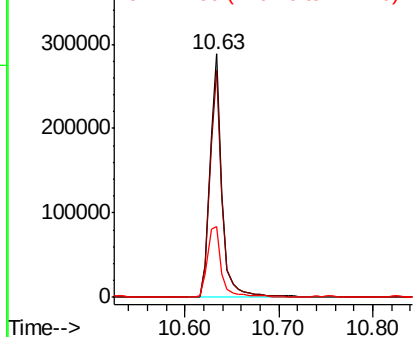


Abundance

Ion 329.80 (329.50 to 330.50): E

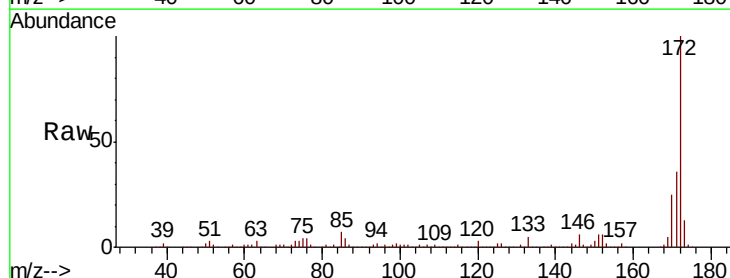
Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E



#45
 2-Fluorobiphenyl
 Concen: 69.863 ng
 RT: 9.16 min Scan# 1203
 Delta R.T. -0.04 min
 Lab File: BF116363.D
 Acq: 17 Aug 2019 17:52

Tgt Ion	Ratio	Lower	Upper
172	100		
171	36.2	29.6	44.4
170	25.0	20.1	30.1

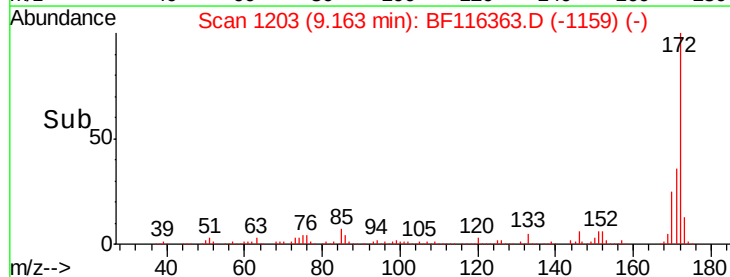
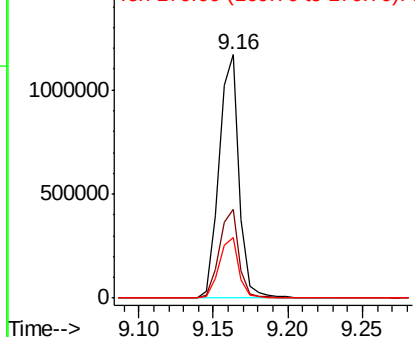


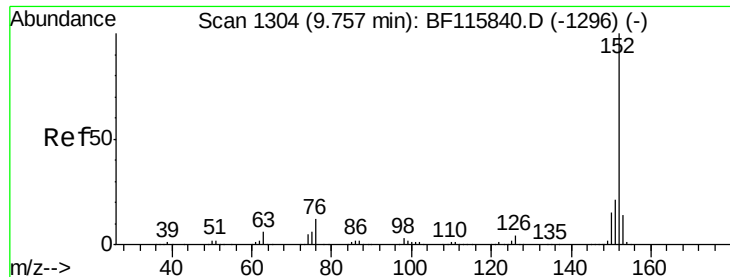
Abundance

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





#49

Acenaphthylene

Concen: 5.212 ng

RT: 9.87 min Scan# 1324

Delta R.T. 0.13 min

Lab File: BF116363.D

Acq: 17 Aug 2019 17:52

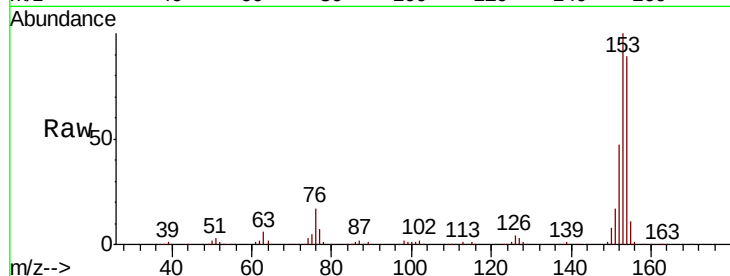
Tot Ion:152 Resp: 132470

Ion Ratio Lower Upper

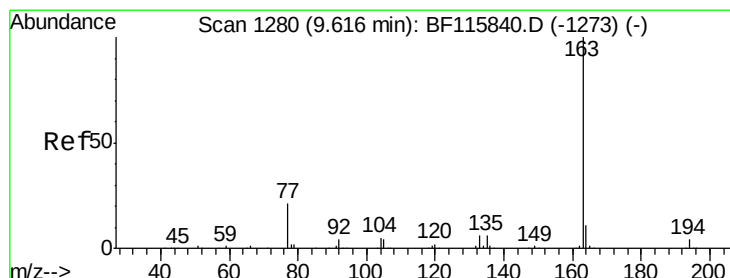
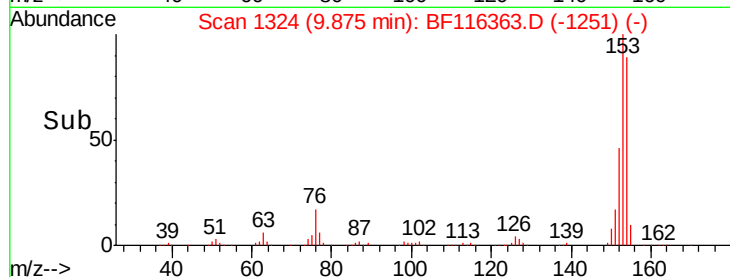
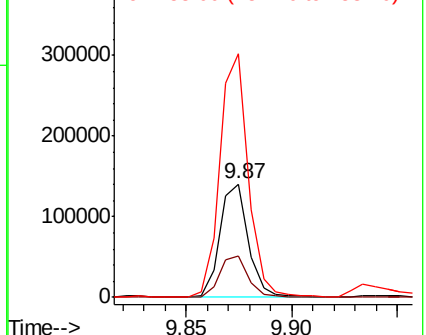
152 100

151 36.8 17.2 25.8#

153 214.9 11.8 17.8#



Abundance Ion 152.00 (151.70 to 152.70): E
Ion 151.00 (150.70 to 151.70): E
Ion 153.00 (152.70 to 153.70): E



#50

Dimethylphthalate

Concen: 6.403 ng

RT: 9.56 min Scan# 1270

Delta R.T. -0.05 min

Lab File: BF116363.D

Acq: 17 Aug 2019 17:52

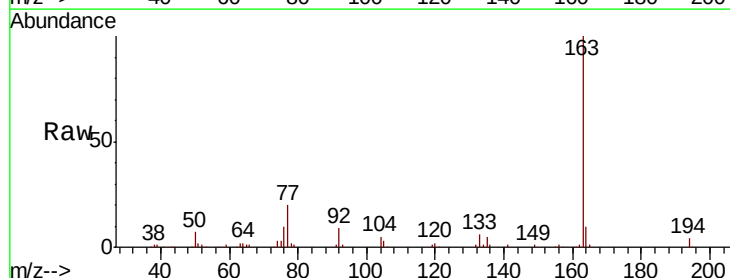
Tgt Ion:163 Resp: 129261

Ion Ratio Lower Upper

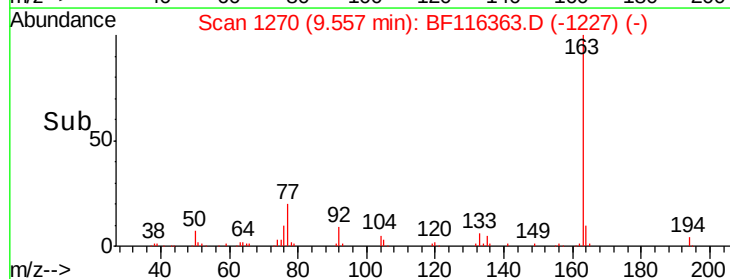
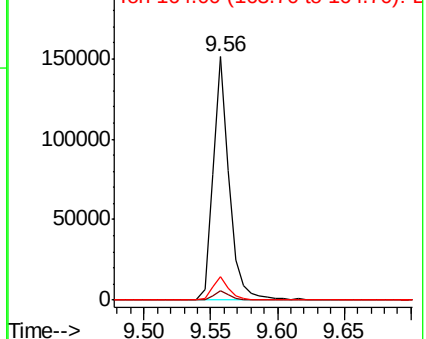
163 100

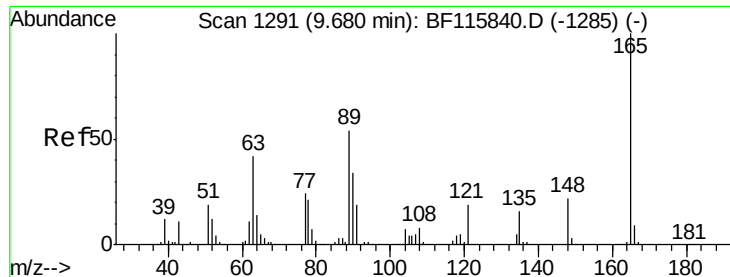
194 3.8 3.0 4.6

164 9.6 8.4 12.6



Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E





#51

2,6-Dinitrotoluene

Concen: 9.129 ng

RT: 9.84 min Scan# 1318

Delta R.T. 0.16 min

Lab File: BF116363.D

Acq: 17 Aug 2019 17:52

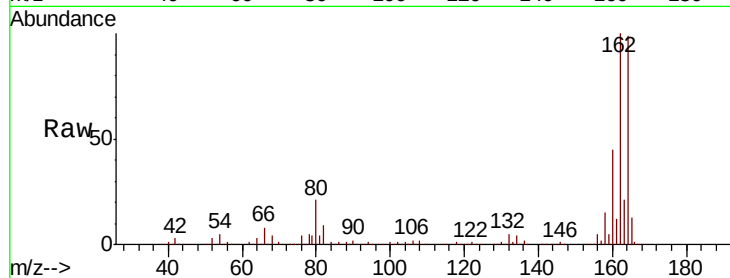
Tot Ion:165 Resp: 40049

Ion Ratio Lower Upper

165 100

63 1.1 38.2 57.2#

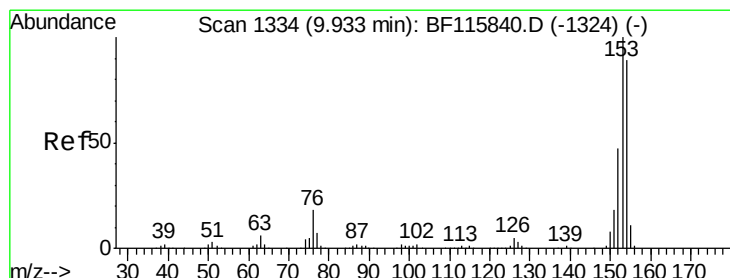
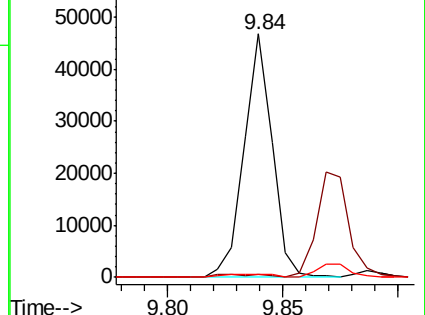
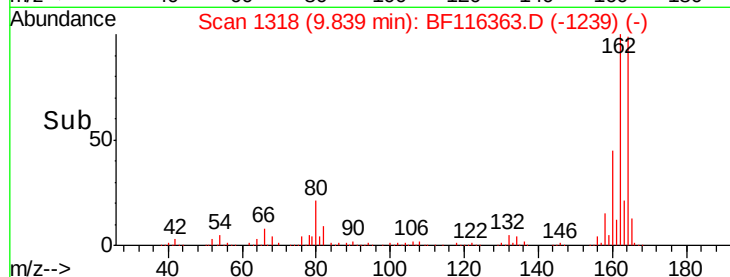
89 1.4 42.9 64.3#



Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF1

Ion 89.00 (88.70 to 89.70): BF1



#52

Acenaphthene

Concen: 16.026 ng

RT: 9.87 min Scan# 1324

Delta R.T. -0.05 min

Lab File: BF116363.D

Acq: 17 Aug 2019 17:52

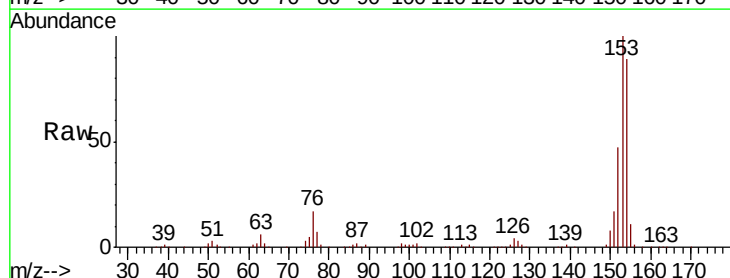
Tgt Ion:154 Resp: 249884

Ion Ratio Lower Upper

154 100

153 112.0 89.4 134.0

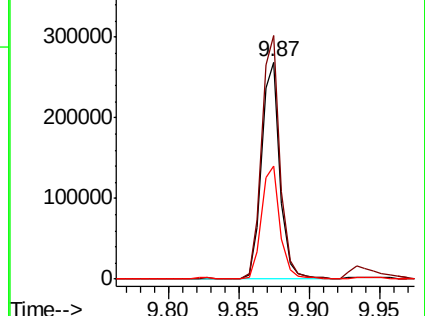
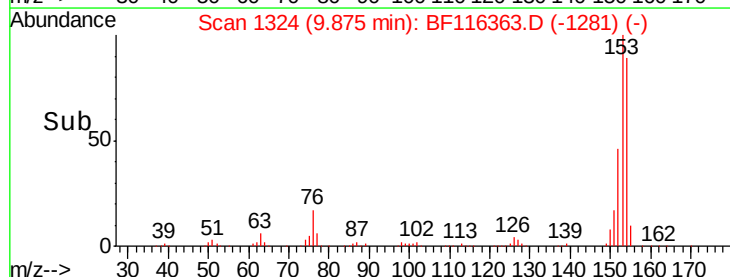
152 52.1 42.3 63.5

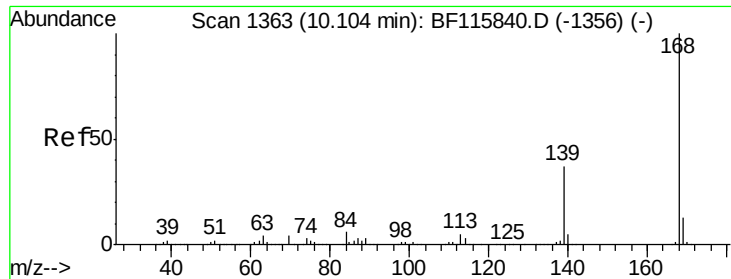


Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

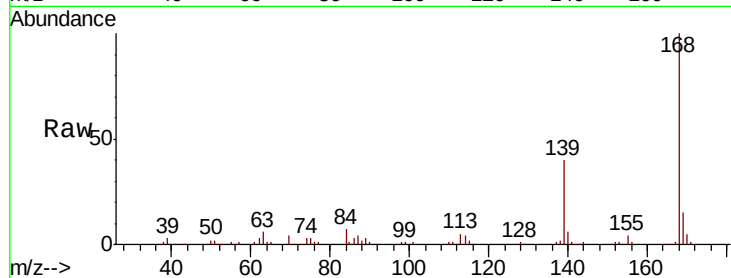
Ion 152.00 (151.70 to 152.70): E



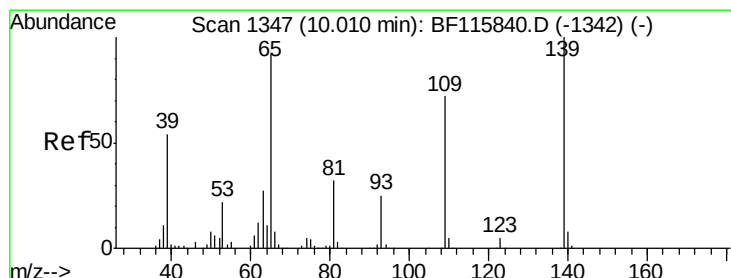
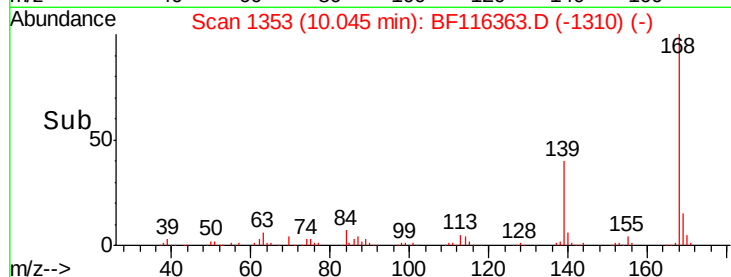
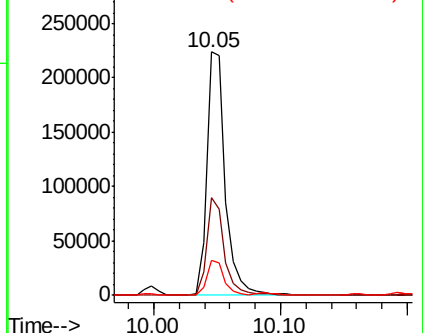


#55
Dibenzofuran
Concen: 10.019 ng
RT: 10.05 min Scan# 1353
Delta R.T. -0.05 min
Lab File: BF116363.D
Acq: 17 Aug 2019 17:52

Tot Ion:168 Resp: 227188
Ion Ratio Lower Upper
168 100
139 39.9 31.4 47.2
169 14.6 10.9 16.3

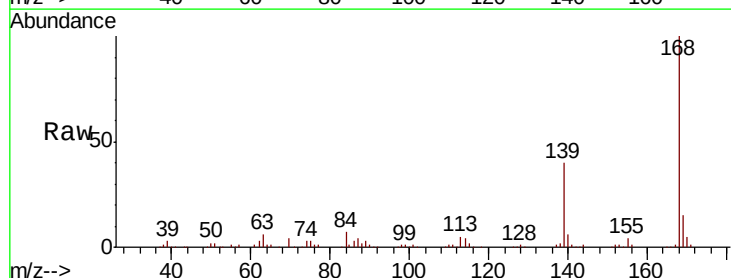


Abundance Ion 168.00 (167.70 to 168.70): E
Ion 139.00 (138.70 to 139.70): E
Ion 169.00 (168.70 to 169.70): E

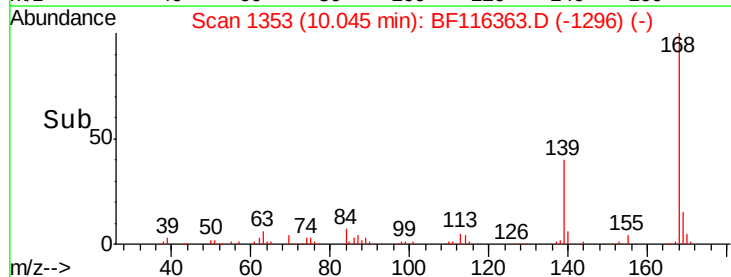
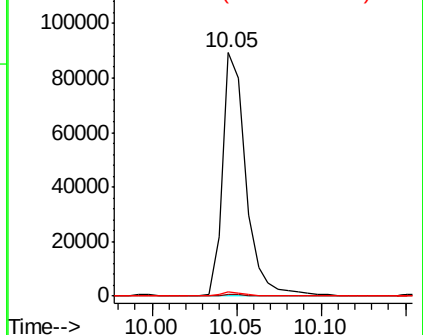


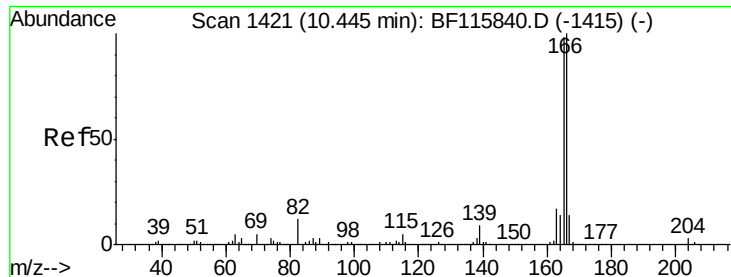
#56
4-Nitrophenol
Concen: 24.896 ng
RT: 10.05 min Scan# 1353
Delta R.T. 0.04 min
Lab File: BF116363.D
Acq: 17 Aug 2019 17:52

Tgt Ion:139 Resp: 86451
Ion Ratio Lower Upper
139 100
109 0.8 54.4 94.4#
65 1.7 80.6 120.6#



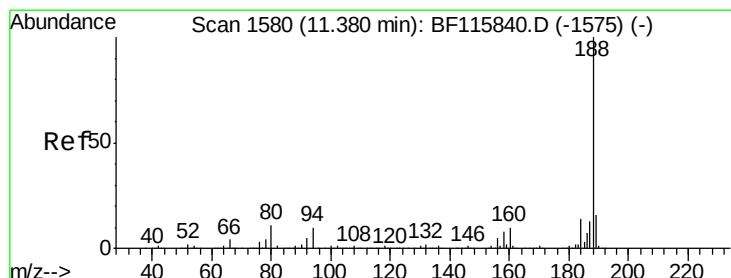
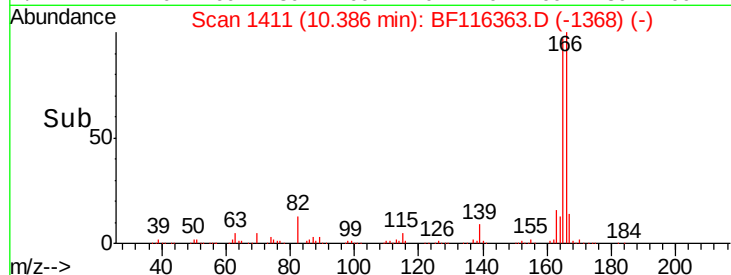
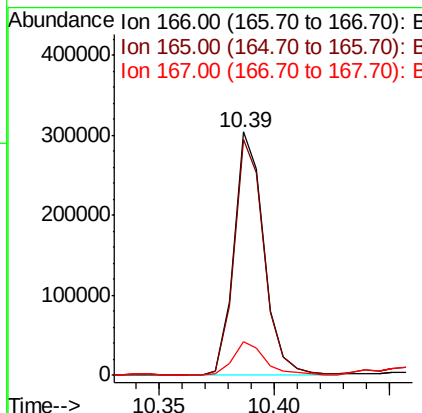
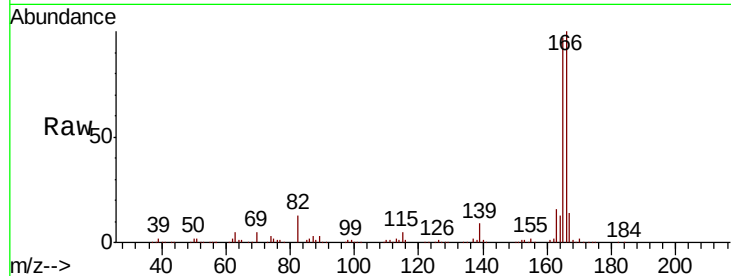
Abundance Ion 139.00 (138.70 to 139.70): E
Ion 109.00 (108.70 to 109.70): E
Ion 65.00 (64.70 to 65.70): BF1





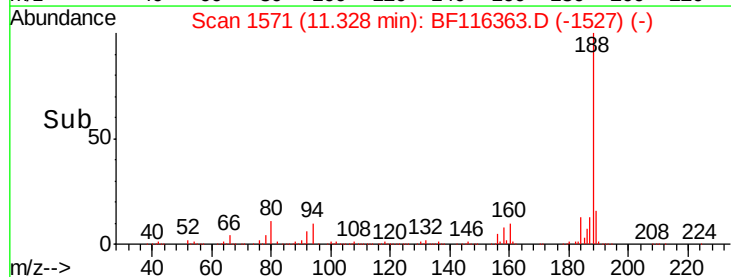
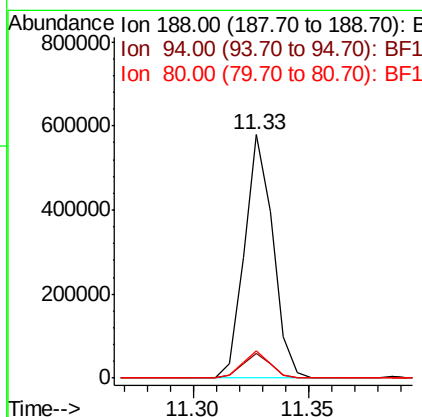
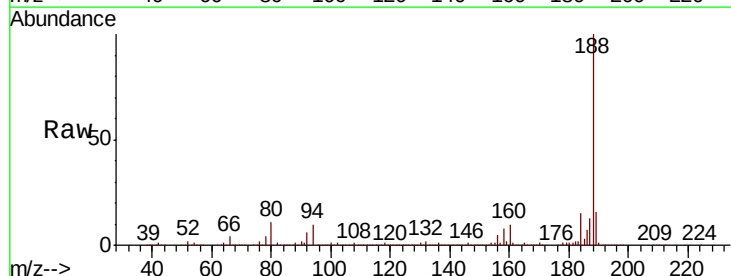
#58
 Fluorene
 Concen: 15.746 ng
 RT: 10.39 min Scan# 1411
 Delta R.T. -0.05 min
 Lab File: BF116363.D
 Acq: 17 Aug 2019 17:52

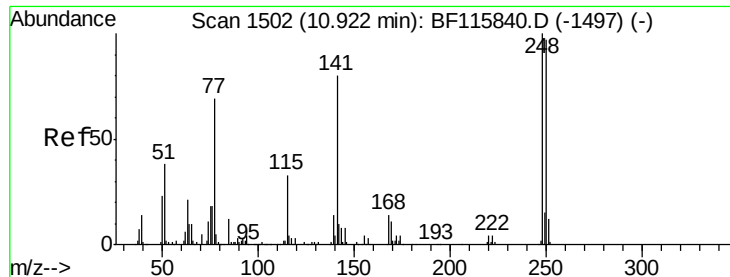
Tot Ion	Ratio	Lower	Upper
166	100		
165	97.1	78.4	117.6
167	14.0	11.0	16.4



#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.33 min Scan# 1571
 Delta R.T. -0.04 min
 Lab File: BF116363.D
 Acq: 17 Aug 2019 17:52

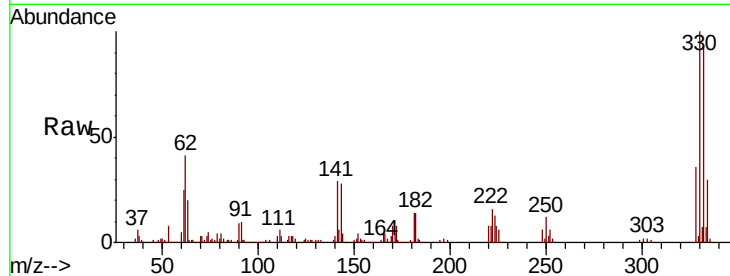
Tgt Ion	Ratio	Lower	Upper
188	100		
94	10.0	8.1	12.1
80	11.0	8.7	13.1



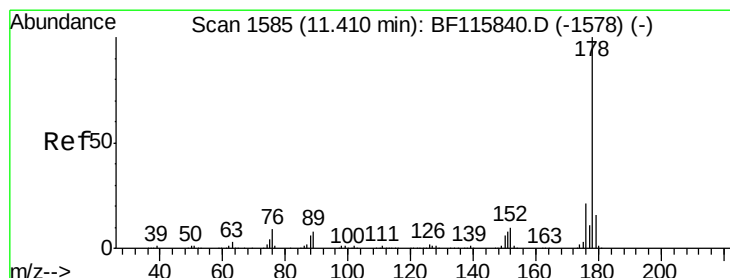
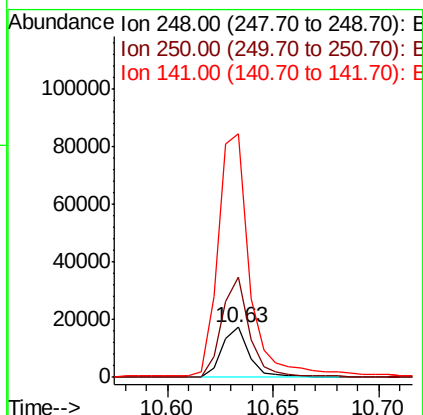
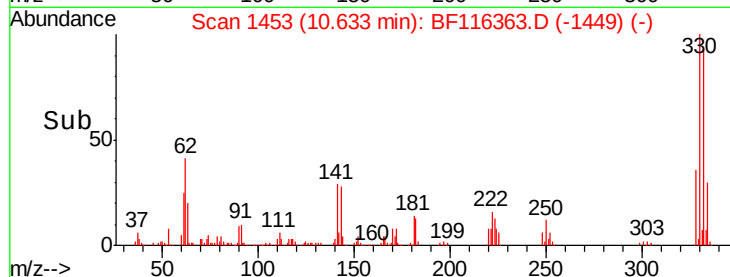


#67
 4-Bromophenyl-phenylether
 Concen: 2.949 ng
 RT: 10.63 min Scan# 1453
 Delta R.T. -0.28 min
 Lab File: BF116363.D
 Acq: 17 Aug 2019 17:52

Tot Ion:248 Resp: 15751
 Ion Ratio Lower Upper
 248 100
 250 201.0 77.4 116.2#
 141 489.8 56.8 85.2#

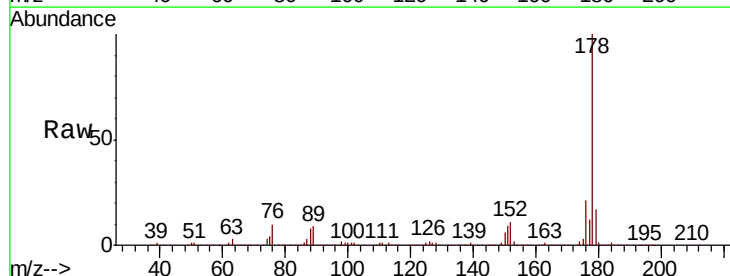


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

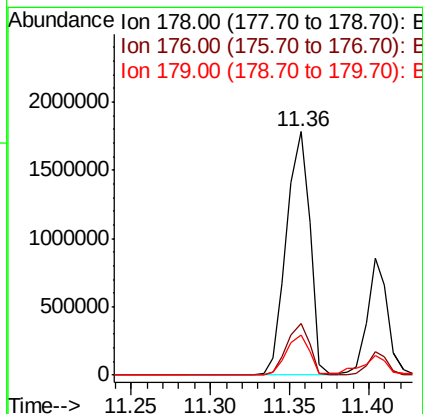
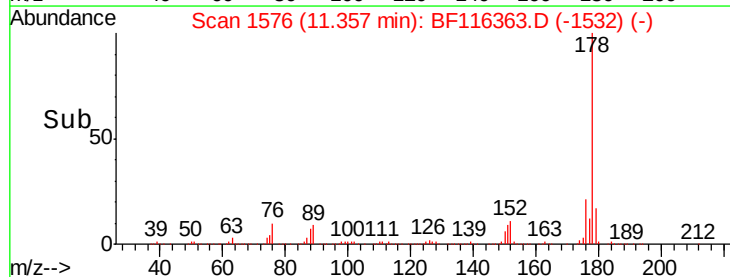


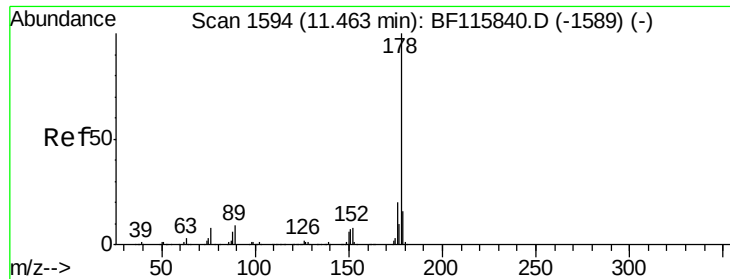
#71
 Phenanthrene
 Concen: 72.222 ng
 RT: 11.36 min Scan# 1576
 Delta R.T. -0.04 min
 Lab File: BF116363.D
 Acq: 17 Aug 2019 17:52

Tgt Ion:178 Resp: 1842435
 Ion Ratio Lower Upper
 178 100
 176 21.3 16.6 24.8
 179 16.7 12.5 18.7



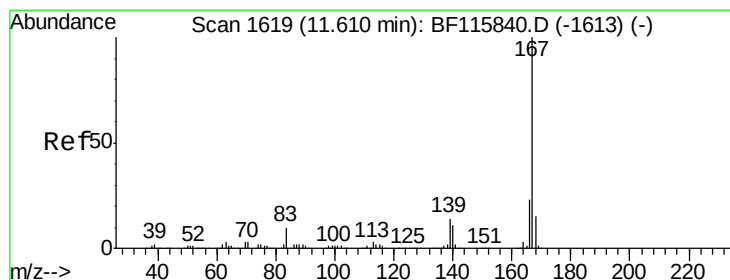
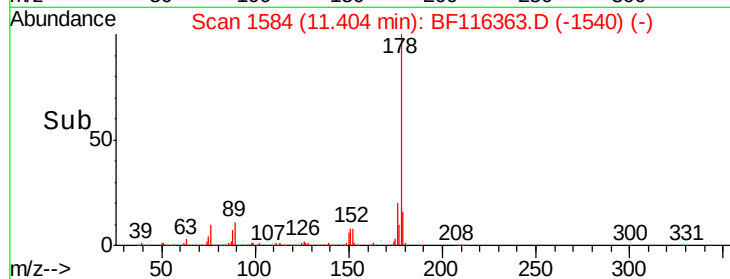
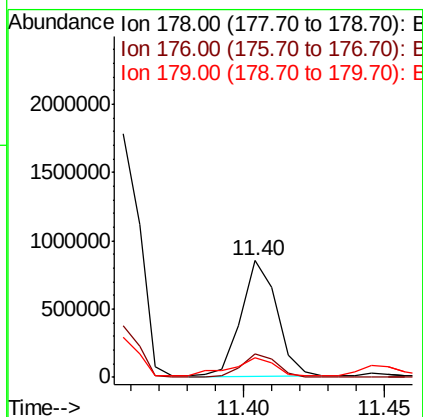
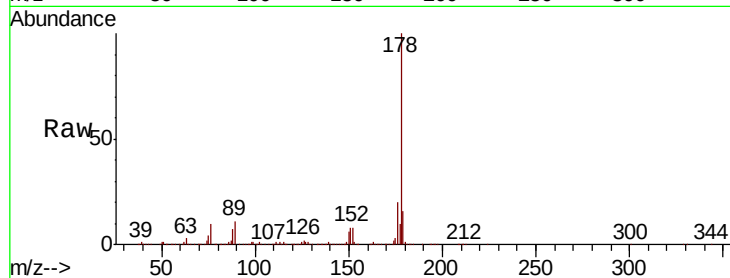
Abundance Ion 178.00 (177.70 to 178.70): E
 Ion 176.00 (175.70 to 176.70): E
 Ion 179.00 (178.70 to 179.70): E





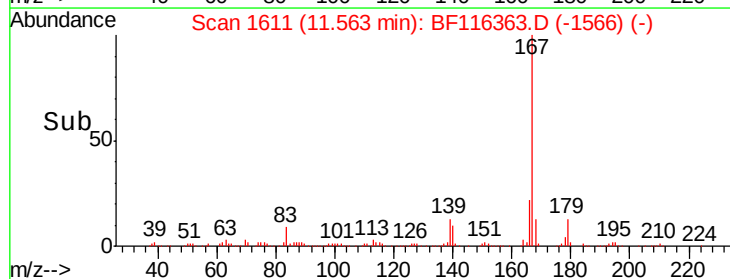
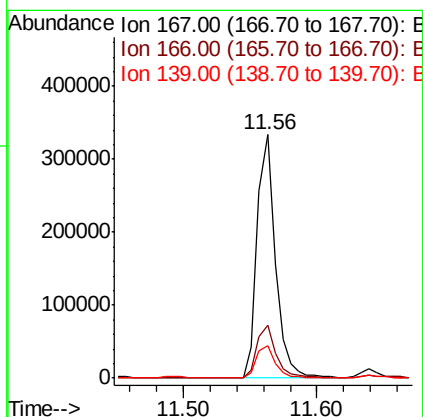
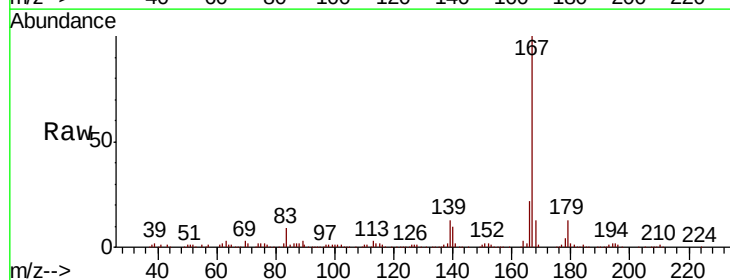
#72
 Anthracene
 Concen: 28.966 ng
 RT: 11.40 min Scan# 1584
 Delta R.T. -0.04 min
 Lab File: BF116363.D
 Acq: 17 Aug 2019 17:52

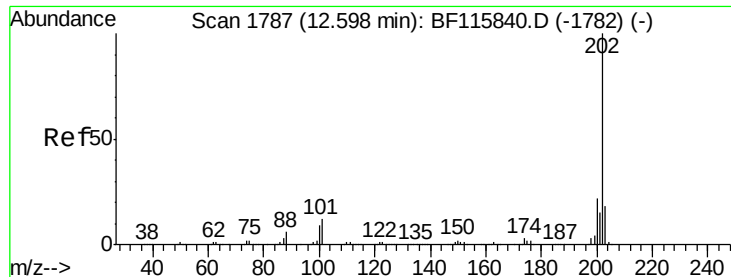
Tot Ion	Ratio	Lower	Upper
178	100		
176	19.8	15.7	23.5
179	16.3	13.0	19.6



#73
 Carbazole
 Concen: 13.231 ng
 RT: 11.56 min Scan# 1611
 Delta R.T. -0.04 min
 Lab File: BF116363.D
 Acq: 17 Aug 2019 17:52

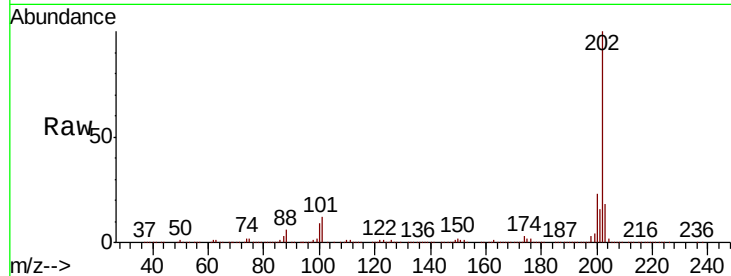
Tgt Ion	Ratio	Lower	Upper
167	100		
166	21.9	17.8	26.6
139	13.1	11.4	17.0



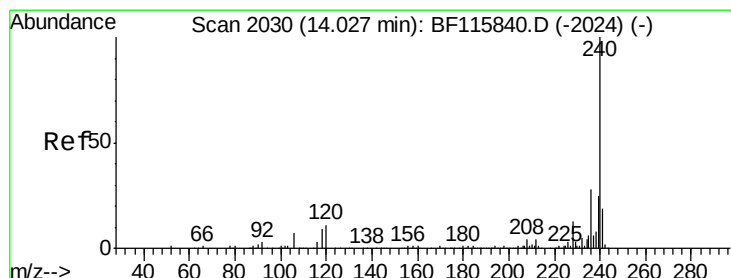
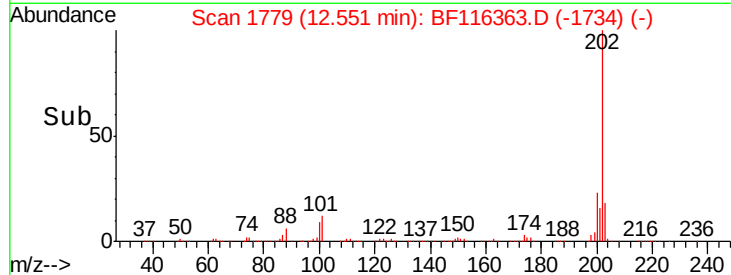
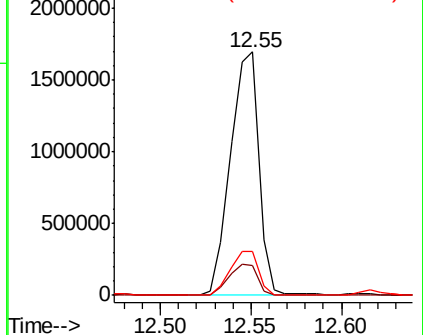


#75
 Fluoranthene
 Concen: 69.472 ng
 RT: 12.55 min Scan# 1779
 Delta R.T. -0.04 min
 Lab File: BF116363.D
 Acq: 17 Aug 2019 17:52

Tot Ion:	202	Resp:	1855384
Ion	Ratio	Lower	Upper
202	100		
101	12.2	0.0	31.2
203	18.3	0.0	37.8

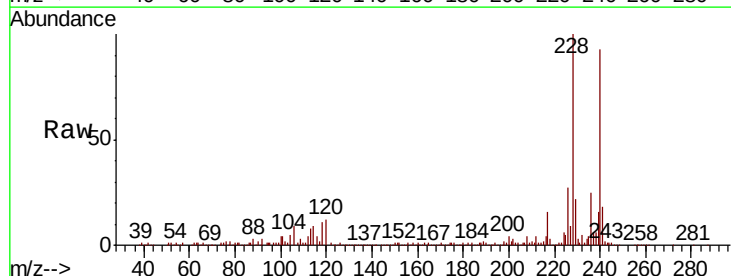


Abundance Ion 202.00 (201.70 to 202.70): E
 Ion 101.00 (100.70 to 101.70): E
 Ion 203.00 (202.70 to 203.70): E

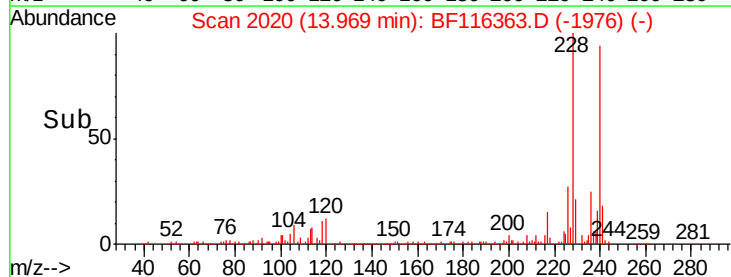
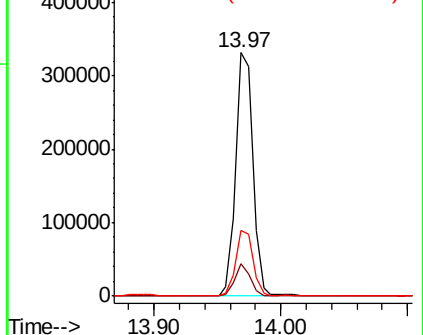


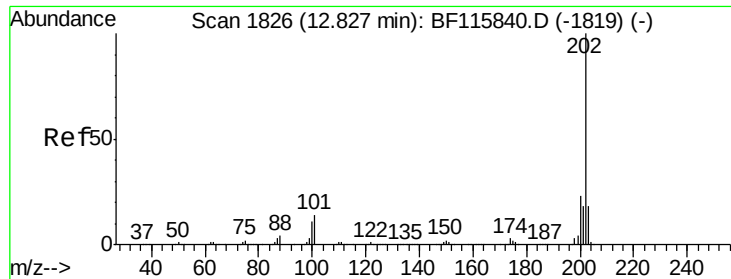
#76
 Chrysene-d12
 Concen: 20.000 ng
 RT: 13.97 min Scan# 2020
 Delta R.T. -0.04 min
 Lab File: BF116363.D
 Acq: 17 Aug 2019 17:52

Tgt Ion:	240	Resp:	306630
Ion	Ratio	Lower	Upper
240	100		
120	13.1	10.7	16.1
236	27.0	22.2	33.2



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

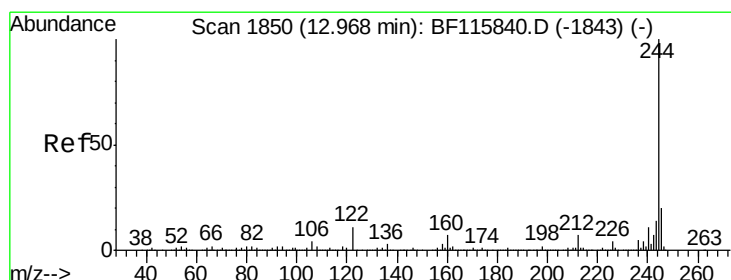
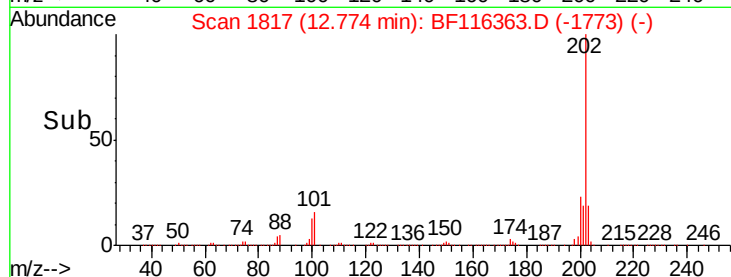
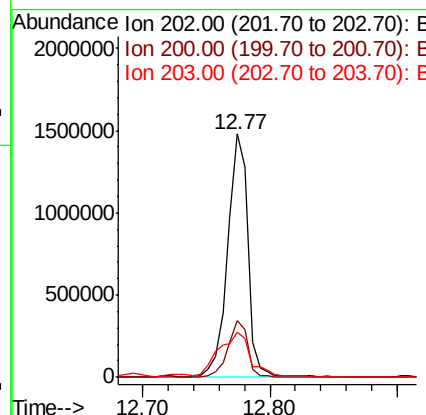
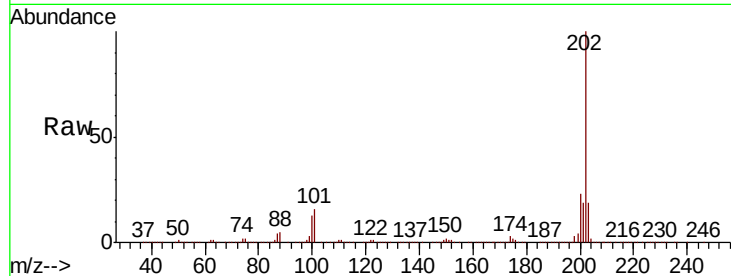




#78
Pvrene
Concen: 70.465 ng
RT: 12.77 min Scan# 1817
Delta R.T. -0.04 min
Lab File: BF116363.D
Acq: 17 Aug 2019 17:52

Tot Ion: 202 Resp: 1628747

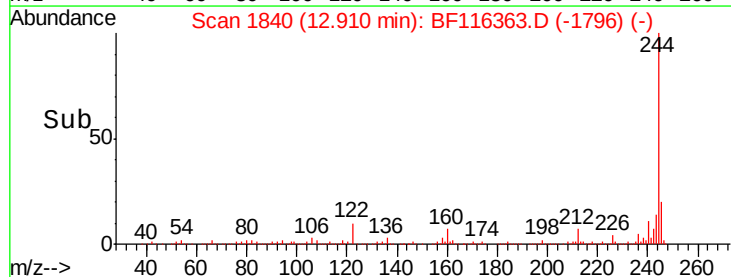
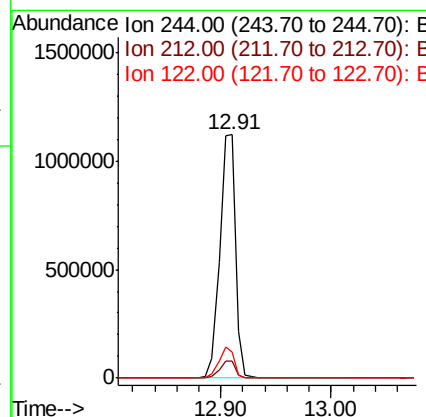
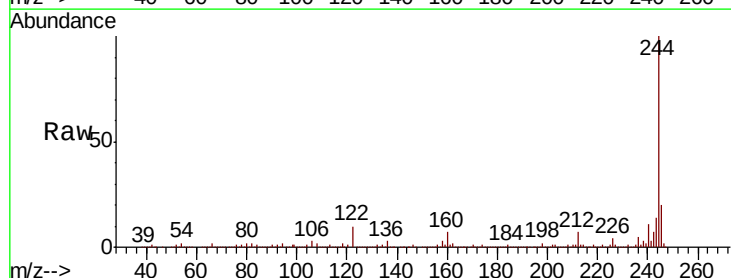
Ion	Ratio	Lower	Upper
202	100		
200	23.1	18.0	27.0
203	18.6	14.1	21.1

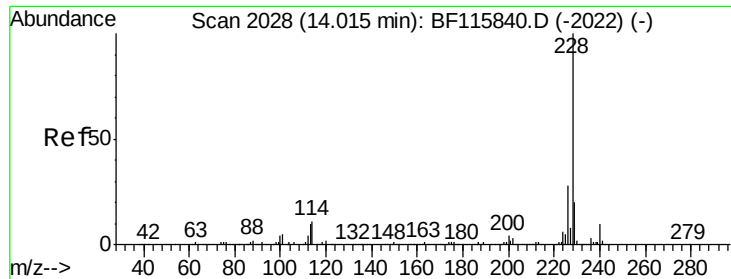


#79
Terphenyl-d14
Concen: 75.786 ng
RT: 12.91 min Scan# 1840
Delta R.T. -0.04 min
Lab File: BF116363.D
Acq: 17 Aug 2019 17:52

Tgt Ion: 244 Resp: 1102823

Ion	Ratio	Lower	Upper
244	100		
212	6.8	5.8	8.8
122	10.5	9.0	13.4





#81

Benzo(a)anthracene

Concen: 39.440 ng

RT: 13.96 min Scan# 2019

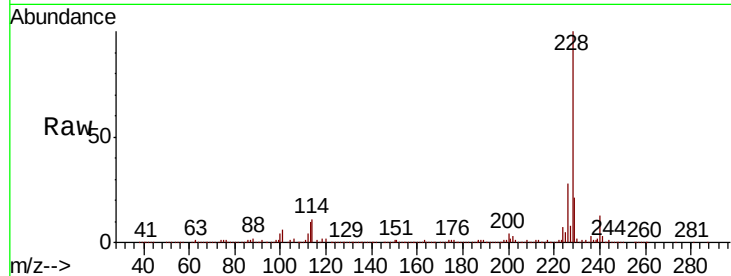
Delta R.T. -0.04 min

Lab File: BF116363.D

Acq: 17 Aug 2019 17:52

Tot Ion:228 Resp: 772974

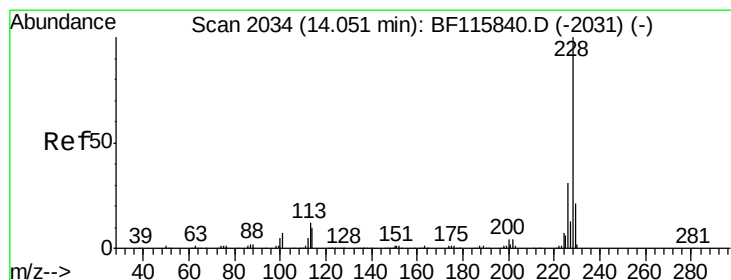
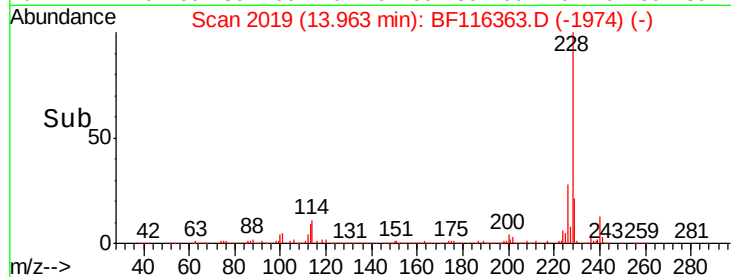
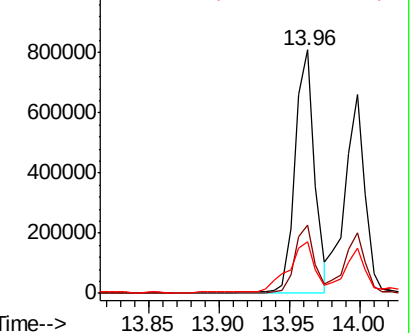
Ion	Ratio	Lower	Upper
228	100		
226	28.1	22.7	34.1
229	21.0	16.2	24.4



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: 32.052 ng

RT: 14.00 min Scan# 2025

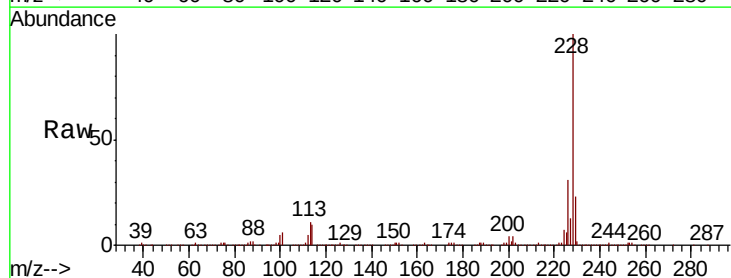
Delta R.T. -0.04 min

Lab File: BF116363.D

Acq: 17 Aug 2019 17:52

Tgt Ion:228 Resp: 609858

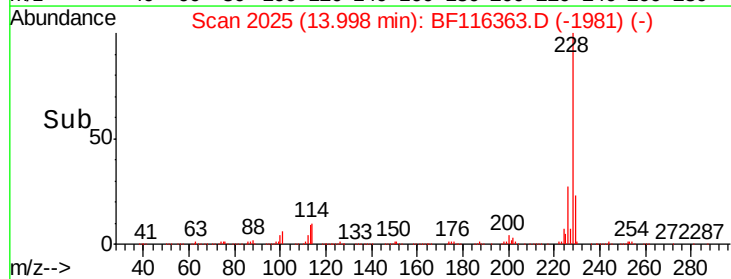
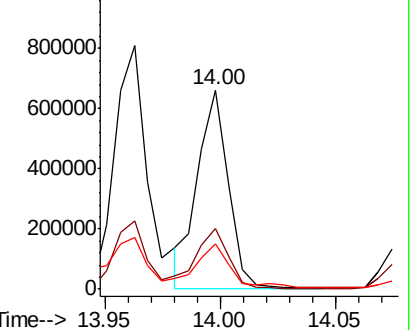
Ion	Ratio	Lower	Upper
228	100		
226	30.7	25.5	38.3
229	23.0	16.6	24.8

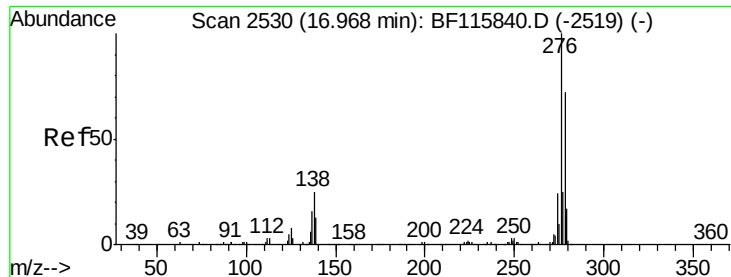


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

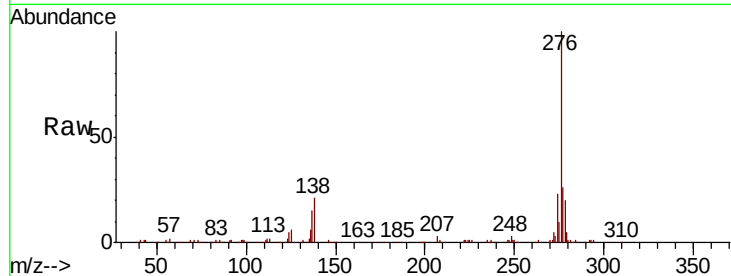




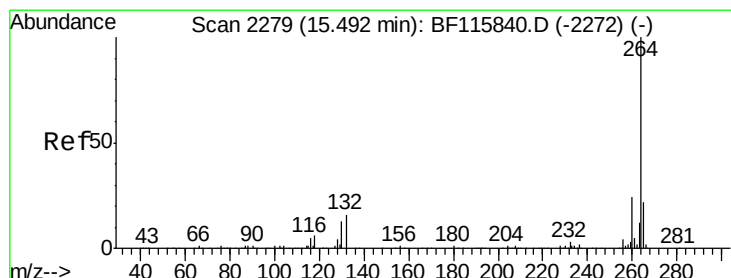
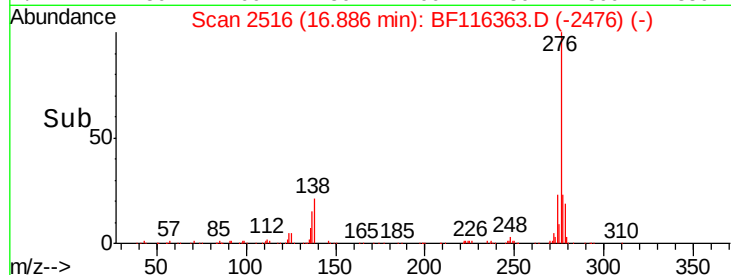
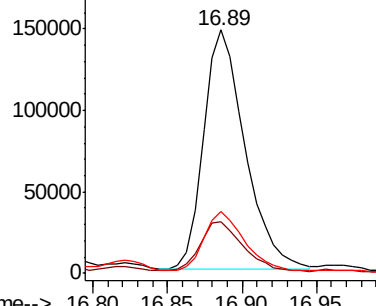
#86

Indeno(1,2,3-cd)pyrene
Concen: 17.795 ng
RT: 16.89 min Scan# 2516
Delta R.T. -0.06 min
Lab File: BF116363.D
Acq: 17 Aug 2019 17:52

Tot	Ion:276	Resp:	284385
Ion	Ratio	Lower	Upper
276	100		
138	22.5	20.4	30.6
277	24.3	20.0	30.0



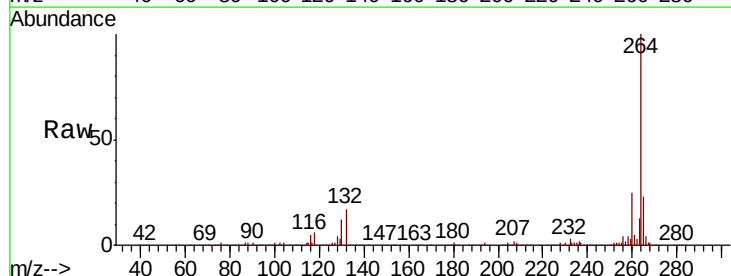
Abundance Ion 276.00 (275.70 to 276.70): E
Ion 138.00 (137.70 to 138.70): E
Ion 277.00 (276.70 to 277.70): E



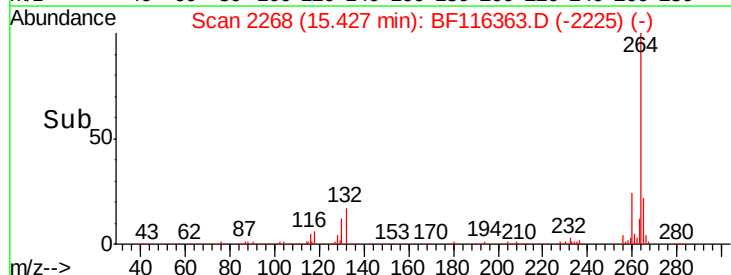
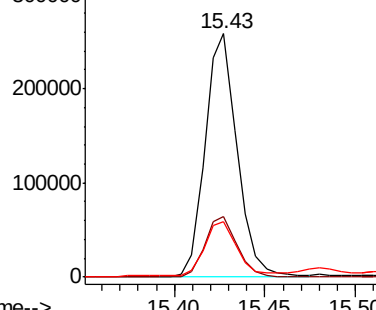
#87

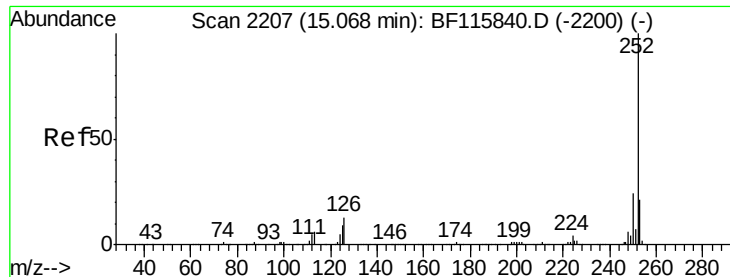
Perylene-d12
Concen: 20.000 ng
RT: 15.43 min Scan# 2268
Delta R.T. -0.05 min
Lab File: BF116363.D
Acq: 17 Aug 2019 17:52

Tgt	Ion:264	Resp:	315148
Ion	Ratio	Lower	Upper
264	100		
260	24.7	19.7	29.5
265	22.5	17.4	26.0



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: 51.421 ng

RT: 15.00 min Scan# 2196

Delta R.T. -0.05 min

Lab File: BF116363.D

Acq: 17 Aug 2019 17:52

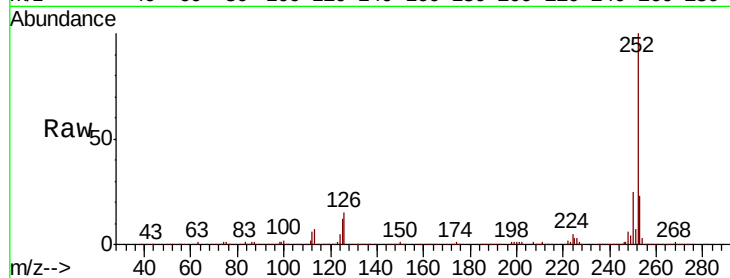
Tot Ion:252 Resp: 936998

Ion Ratio Lower Upper

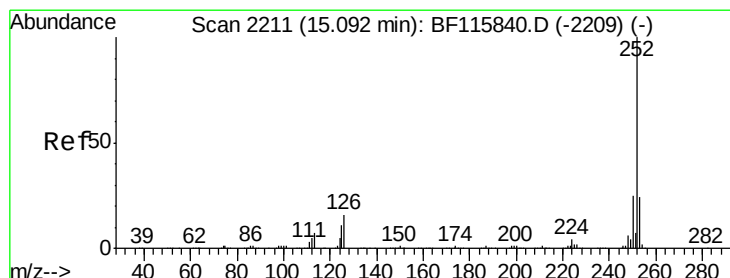
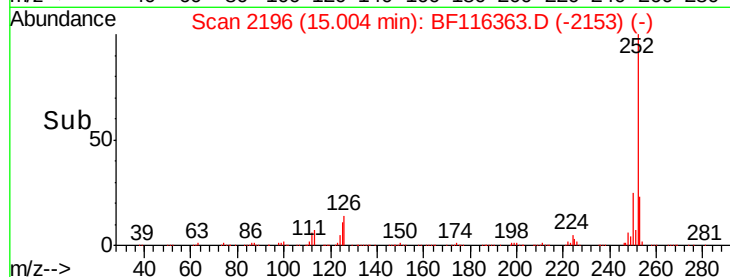
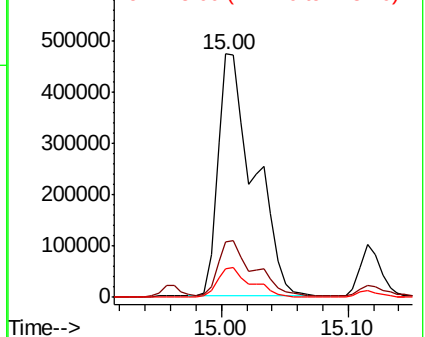
252 100

253 23.0 17.8 26.8

125 11.5 8.4 12.6



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



#89

Benzo(k)fluoranthene

Concen: 52.780 ng

RT: 15.00 min Scan# 2196

Delta R.T. -0.08 min

Lab File: BF116363.D

Acq: 17 Aug 2019 17:52

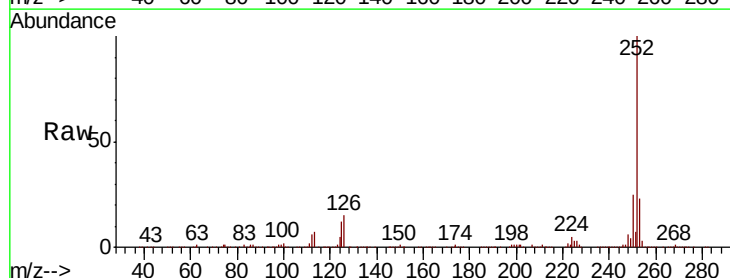
Tgt Ion:252 Resp: 936776

Ion Ratio Lower Upper

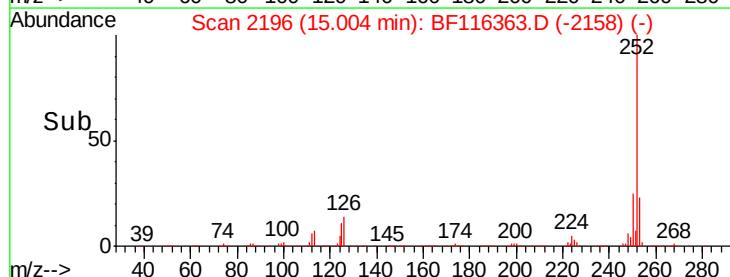
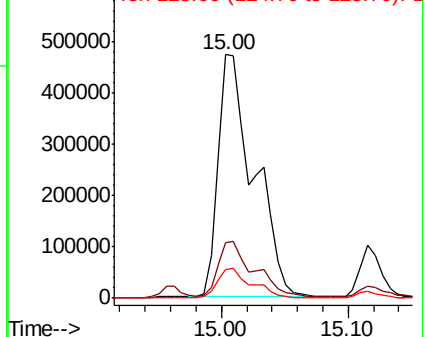
252 100

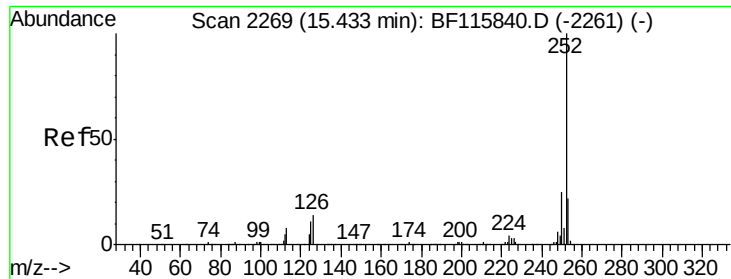
253 23.0 17.8 26.8

125 11.5 7.7 11.5



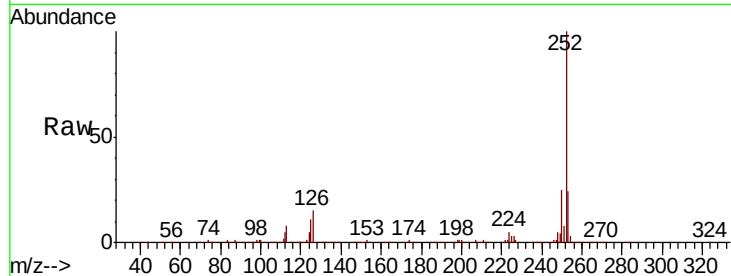
Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E



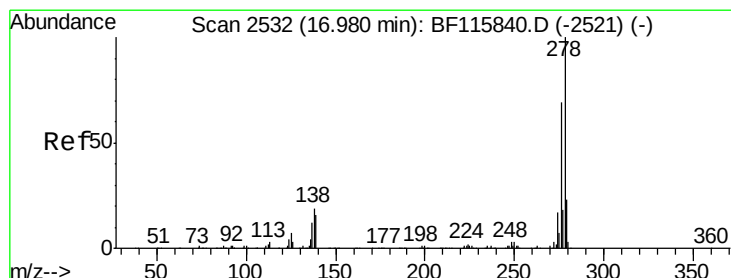
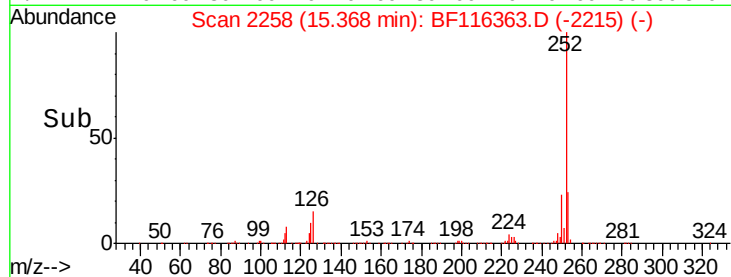
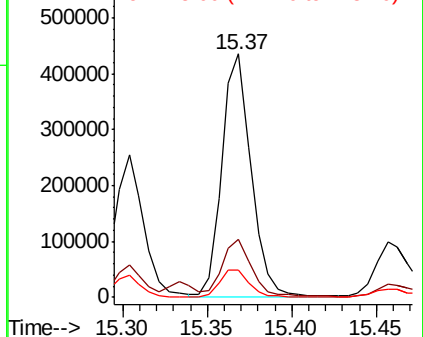


#90
Benzo(a)pyrene
Concen: 31.993 ng
RT: 15.37 min Scan# 2258
Delta R.T. -0.05 min
Lab File: BF116363.D
Acq: 17 Aug 2019 17:52

Tot	Ion:252	Resp:	521149
Ion	Ratio	Lower	Upper
252	100		
253	23.8	18.0	27.0
125	11.1	8.9	13.3

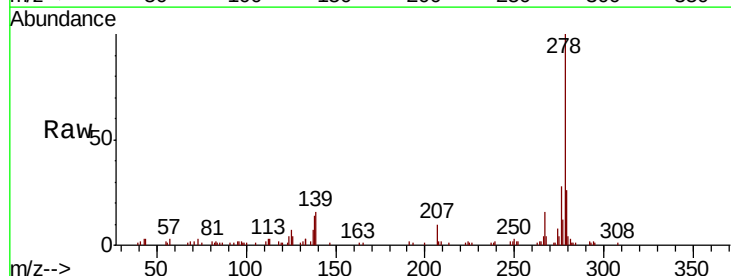


Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E

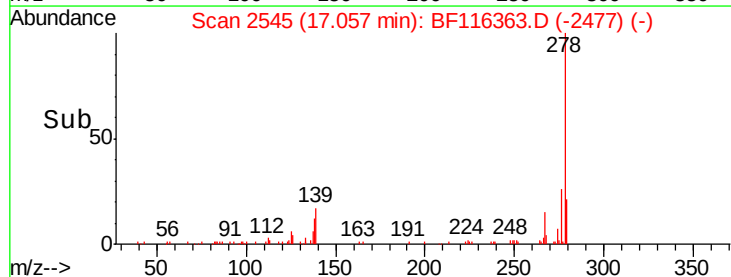
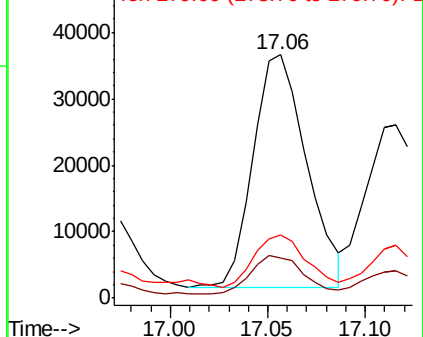


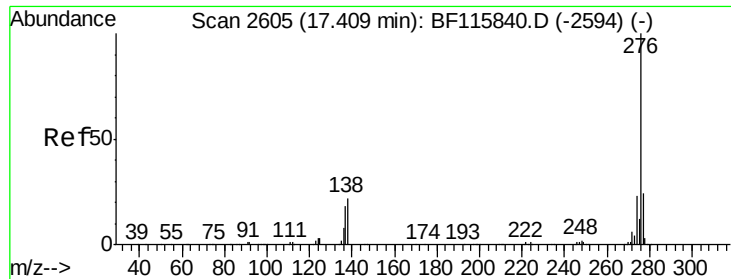
#91
Dibenzo(a,h)anthracene
Concen: 4.705 ng
RT: 17.06 min Scan# 2545
Delta R.T. 0.10 min
Lab File: BF116363.D
Acq: 17 Aug 2019 17:52

Tgt	Ion:278	Resp:	66339
Ion	Ratio	Lower	Upper
278	100		
139	16.3	12.8	19.2
279	25.7	18.8	28.2



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: 18.500 ng
 RT: 17.32 min Scan# 2590
 Delta R.T. -0.06 min
 Lab File: BF116363.D
 Acq: 17 Aug 2019 17:52

Tot	Ion:276	Resp:	256188
Ion	Ratio	Lower	Upper
276	100		
277	24.9	18.4	27.6
138	22.6	17.0	25.6

