

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF081719\
 Data File : BF116365.D
 Acq On : 17 Aug 2019 18:46
 Operator : HP/JU
 Sample : K4208-02
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Aug 19 05:55:33 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

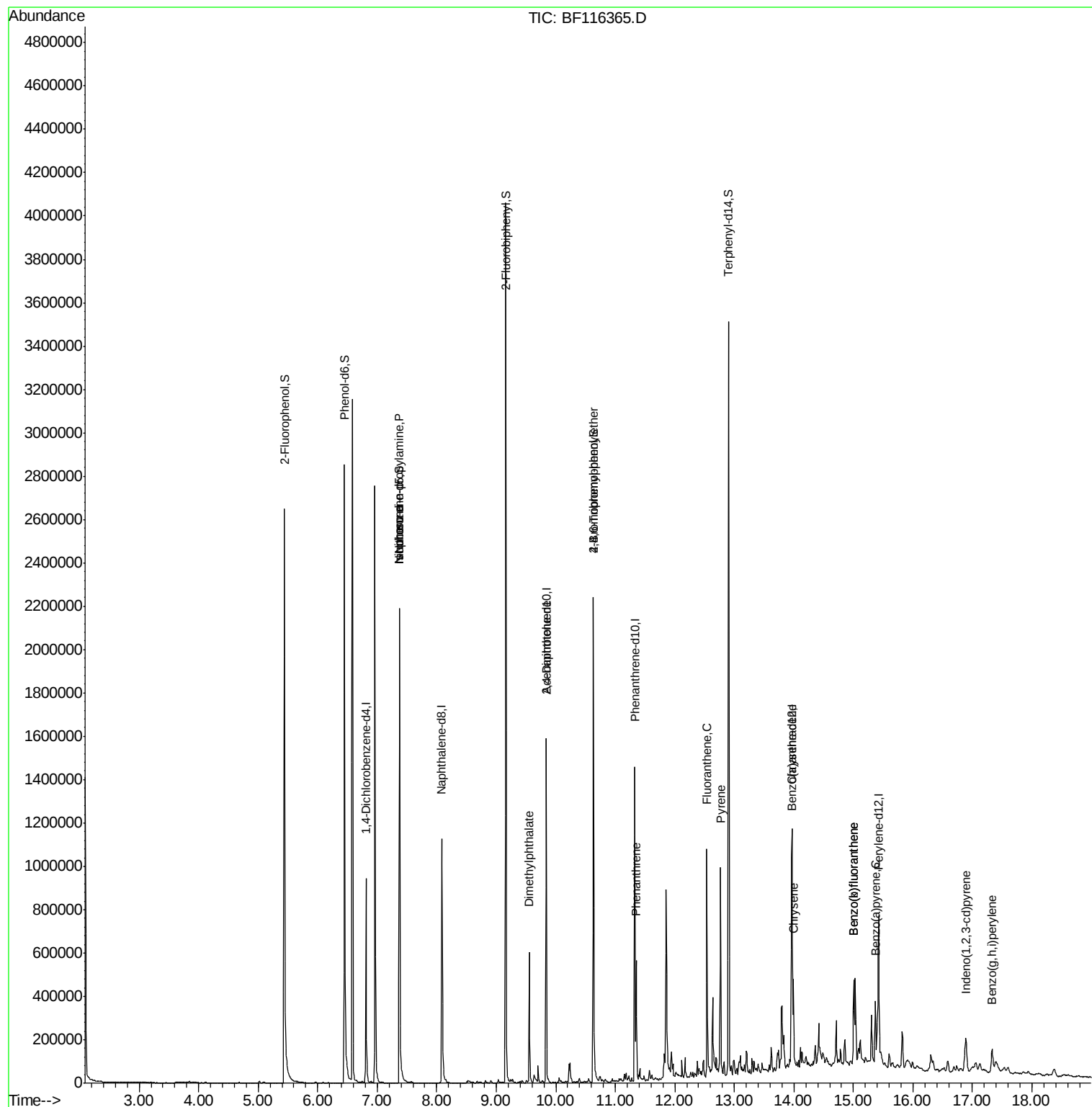
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.81	152	149126	20.00	ng	-0.04
21) Naphthalene-d8	8.09	136	575099	20.00	ng	-0.04
39) Acenaphthene-d10	9.84	164	295806	20.00	ng	-0.05
64) Phenanthrene-d10	11.33	188	494608	20.00	ng	-0.04
76) Chrysene-d12	13.97	240	301807	20.00	ng	-0.04
87) Perylene-d12	15.42	264	317933	20.00	ng	-0.05
System Monitoring Compounds						
5) 2-Fluorophenol	5.44	112	917490	103.00	ng	-0.03
7) Phenol-d6	6.45	99	1186088	105.53	ng	-0.04
23) Nitrobenzene-d5	7.37	82	773048	77.59	ng	-0.04
42) 2,4,6-Tribromophenol	10.63	330	295307	102.97	ng	-0.04
45) 2-Fluorobiphenyl	9.16	172	1258196	79.67	ng	-0.04
79) Terphenyl-d14	12.90	244	1248771	87.19	ng	-0.05
Target Compounds						
19) n-Nitroso-di-n-propylamine	7.37	70	102188	14.673	ng	Qvalue # 79
25) Isophorone	7.37	82	773045	40.578	ng	# 65
50) Dimethylphthalate	9.56	163	240336	11.933	ng	98
57) 2,4-Dinitrotoluene	9.84	165	38134	6.544	ng	# 20
67) 4-Bromophenyl-phenylether	10.63	248	17660	3.335	ng	# 1
71) Phenanthrene	11.35	178	208308	8.238	ng	98
75) Fluoranthene	12.54	202	398599	15.058	ng	99
78) Pyrene	12.77	202	357792	15.727	ng	99
81) Benzo(a)anthracene	13.96	228	145351	7.535	ng	99
83) Chrysene	13.99	228	162319	8.667	ng	99
86) Indeno(1,2,3-cd)pyrene	16.89	276	98990	6.293	ng	96
88) Benzo(b)fluoranthene	15.00	252	283027	15.396	ng	98
89) Benzo(k)fluoranthene	15.00	252	283027	15.807	ng	# 97
90) Benzo(a)pyrene	15.37	252	134096	8.160	ng	99
92) Benzo(a,h,i)perylene	17.33	276	92658	6.633	ng	98

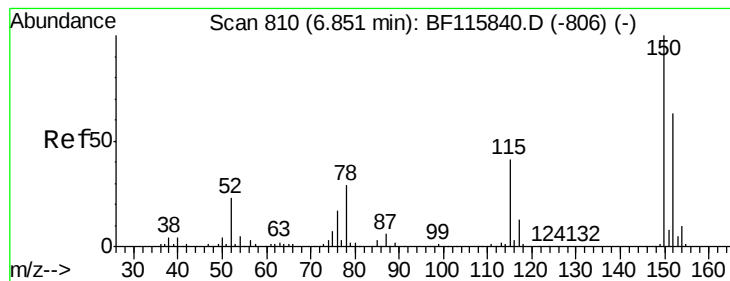
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.000 ng

RT: 6.81 min Scan# 803

Delta R.T. -0.04 min

Lab File: BF116365.D

Acq: 17 Aug 2019 18:46

Instrument :

BNA_F

ClientSampleId :

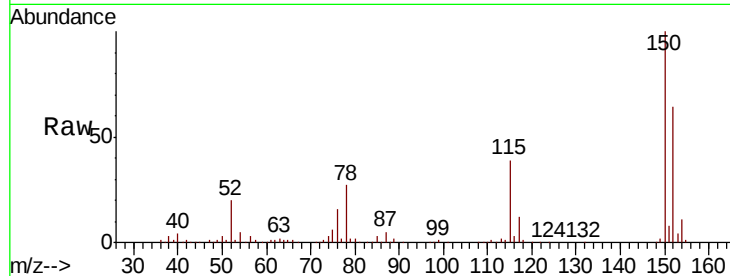
Tot Ion:152 Resp: 149126

Ion Ratio Lower Upper

152 100

150 155.8 126.2 189.2

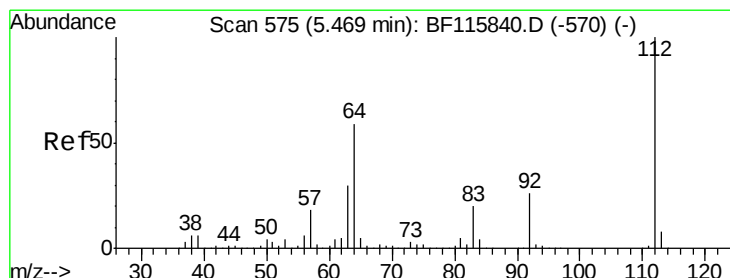
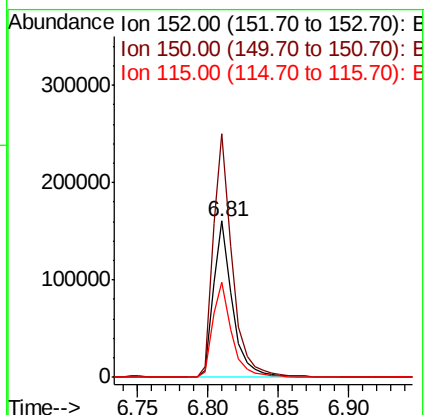
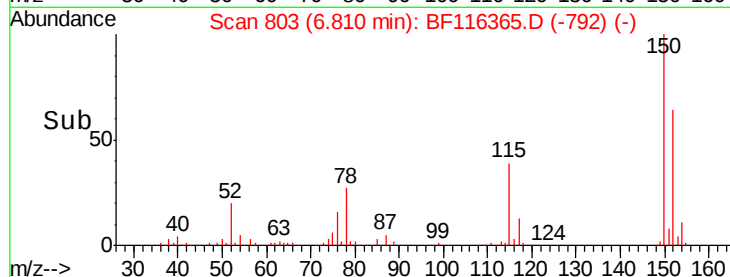
115 60.6 49.9 74.9



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: 102.996 ng

RT: 5.44 min Scan# 570

Delta R.T. -0.03 min

Lab File: BF116365.D

Acq: 17 Aug 2019 18:46

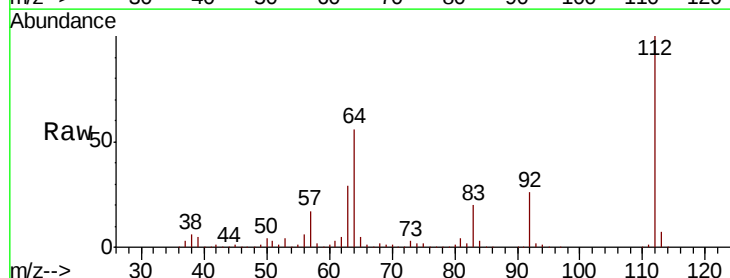
Tgt Ion:112 Resp: 917490

Ion Ratio Lower Upper

112 100

64 56.4 45.4 68.2

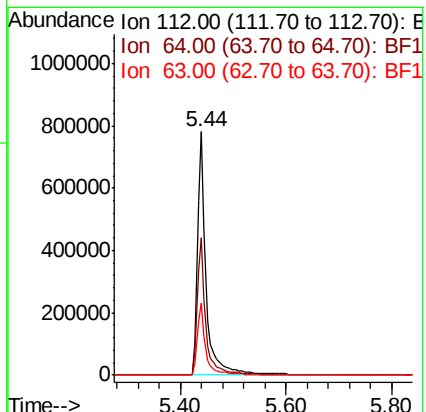
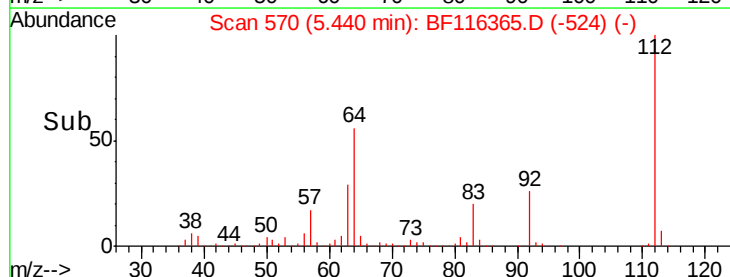
63 29.5 23.7 35.5

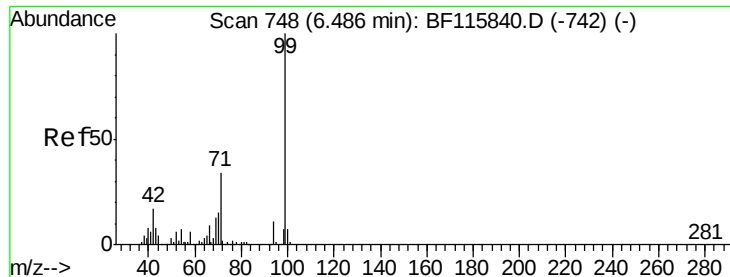


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF1

Ion 63.00 (62.70 to 63.70): BF1





#7

Phenol-d6

Concen: 105.533 ng

RT: 6.45 min Scan# 742

Delta R.T. -0.04 min

Lab File: BF116365.D

Acq: 17 Aug 2019 18:46

Instrument :

BNA_F

ClientSampled :

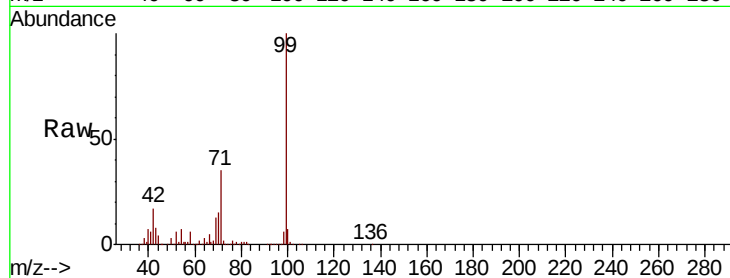
Tot Ion: 99 Resp: 1186088

Ion Ratio Lower Upper

99 100

42 17.2 13.8 20.8

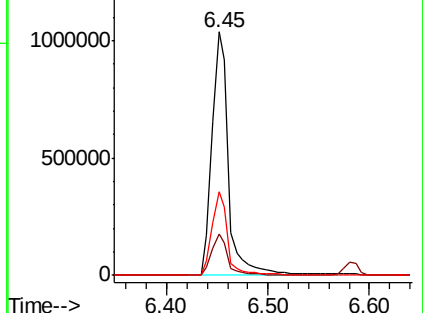
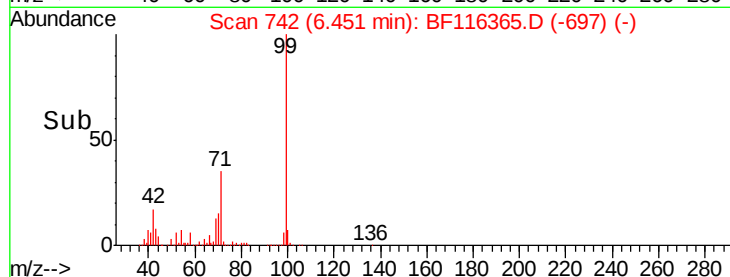
71 34.6 27.3 40.9



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



#19

n-Nitroso-di-n-propylamine

Concen: 14.673 ng

RT: 7.37 min Scan# 899

Delta R.T. 0.11 min

Lab File: BF116365.D

Acq: 17 Aug 2019 18:46

Tgt Ion: 70 Resp: 102188

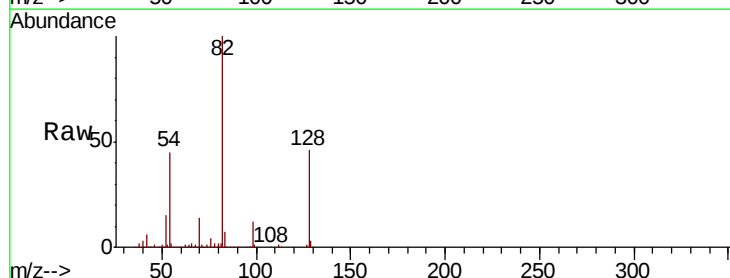
Ion Ratio Lower Upper

70 100

42 42.5 40.9 61.3

101 0.0 7.9 11.9#

130 2.5 16.9 25.3#

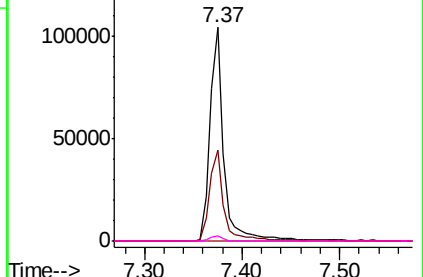
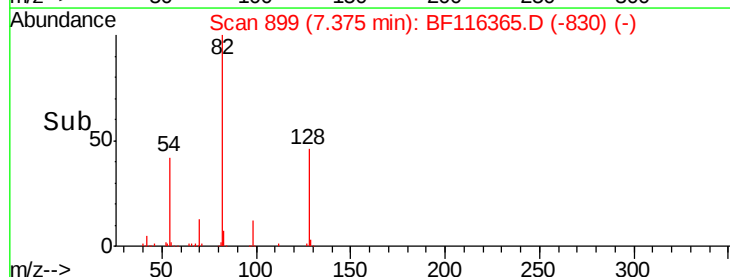


Abundance Ion 70.00 (69.70 to 70.70): BF1

Ion 42.00 (41.70 to 42.70): BF1

Ion 101.00 (100.70 to 101.70): BF1

Ion 130.00 (129.70 to 130.70): BF1

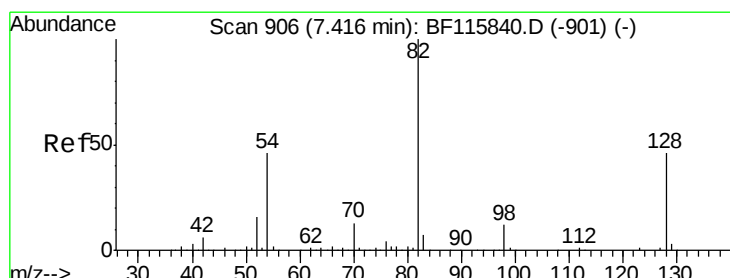
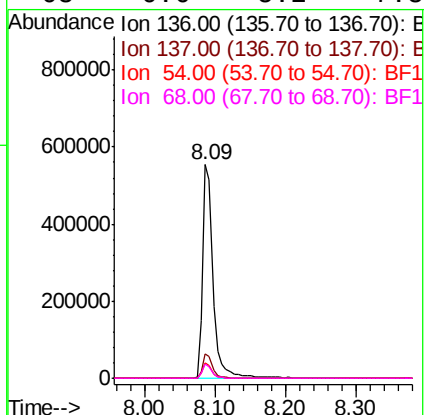
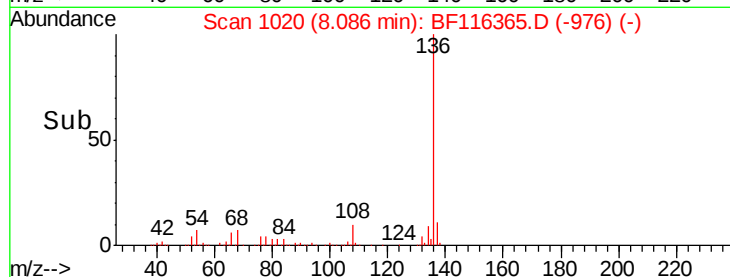
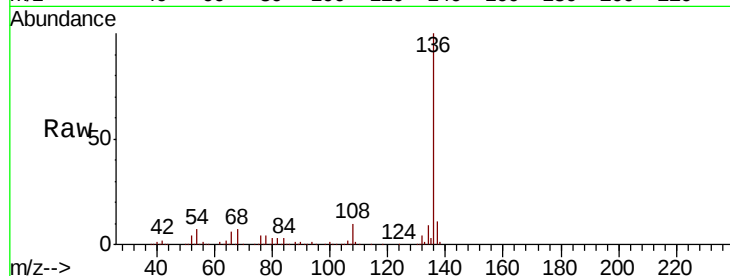




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.09 min Scan# 1020
Delta R.T. -0.04 min
Lab File: BF116365.D
Acq: 17 Aug 2019 18:46

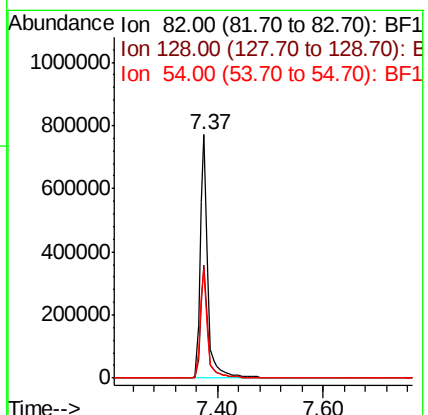
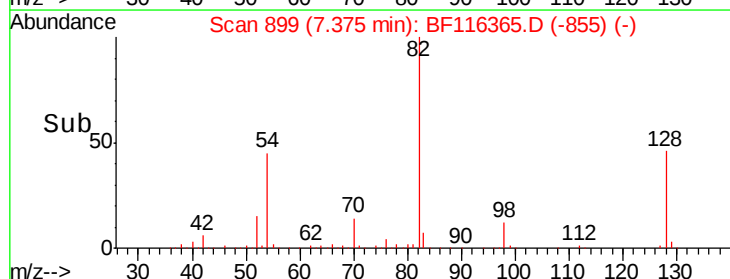
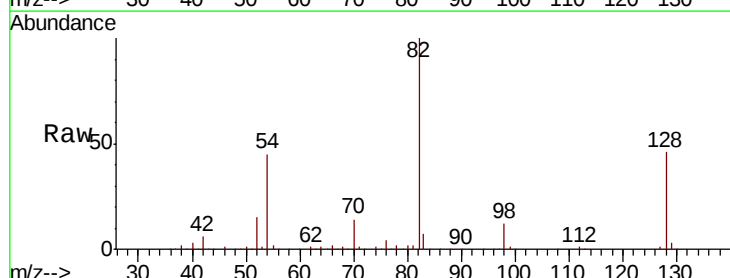
Instrument :
BNA_F
ClientSampleId :

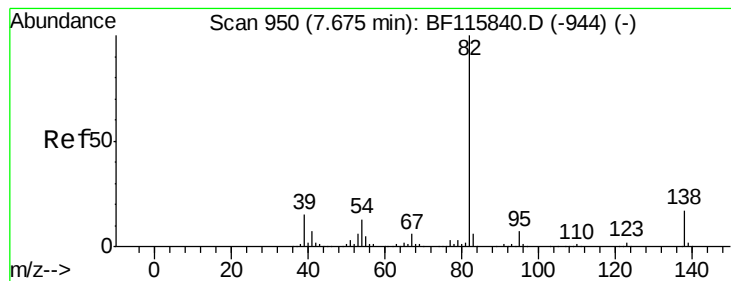
Tot Ion:136	Resp:	575099
Ion	Ratio	Lower Upper
136	100	
137	11.3	9.0 13.4
54	7.3	5.8 8.6
68	6.6	5.2 7.8



#23
Nitrobenzene-d5
Concen: 77.591 ng
RT: 7.37 min Scan# 899
Delta R.T. -0.04 min
Lab File: BF116365.D
Acq: 17 Aug 2019 18:46

Tgt Ion: 82	Resp:	773048
Ion	Ratio	Lower Upper
82	100	
128	46.3	36.5 54.7
54	44.9	36.0 54.0





#25

Isophorone

Concen: 40.578 ng

RT: 7.37 min Scan# 899

Delta R.T. -0.30 min

Lab File: BF116365.D

Acq: 17 Aug 2019 18:46

Instrument :

BNA_F

ClientSampled :

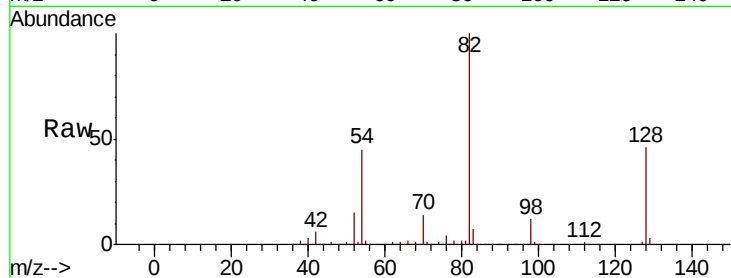
Tot Ion: 82 Resp: 773045

Ion Ratio Lower Upper

82 100

95 0.0 5.4 8.0#

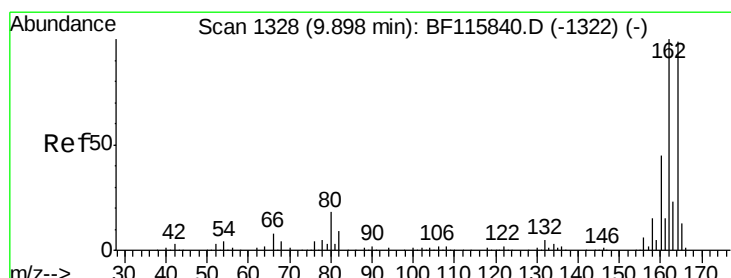
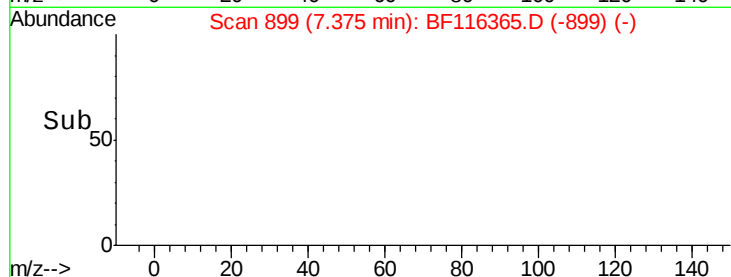
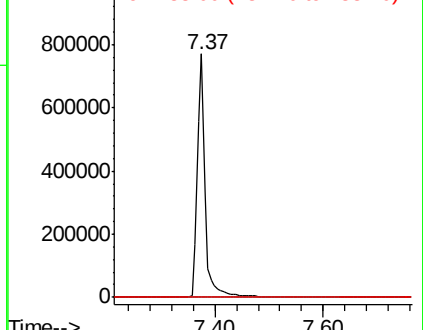
138 0.0 14.5 21.7#



Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 95.00 (94.70 to 95.70): BF1

Ion 138.00 (137.70 to 138.70): BF1



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.84 min Scan# 1318

Delta R.T. -0.05 min

Lab File: BF116365.D

Acq: 17 Aug 2019 18:46

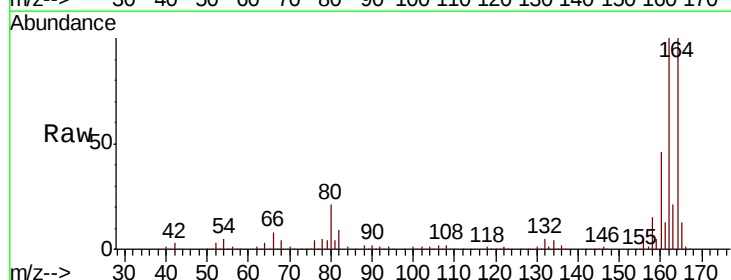
Tgt Ion: 164 Resp: 295806

Ion Ratio Lower Upper

164 100

162 100.4 82.6 124.0

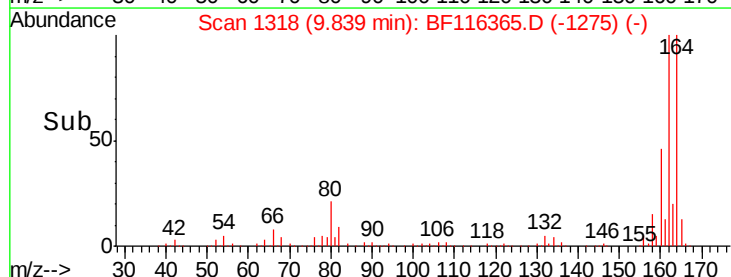
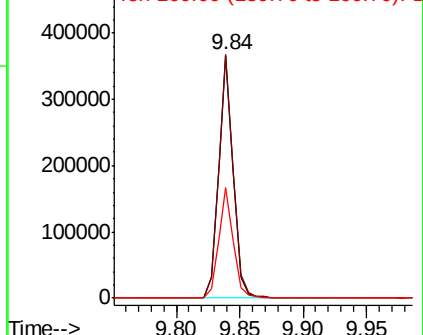
160 45.8 37.6 56.4

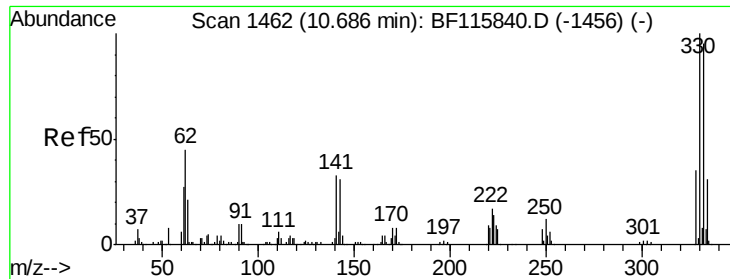


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

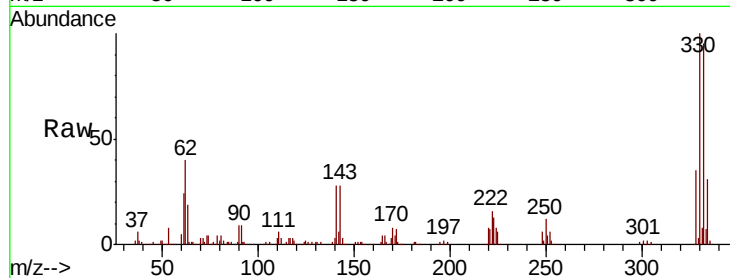




#42
 2,4,6-Tribromophenol
 Concen: 102.969 ng
 RT: 10.63 min Scan# 1453
 Delta R.T. -0.04 min
 Lab File: BF116365.D
 Acq: 17 Aug 2019 18:46

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
330	100		
332	96.3	76.8	115.2
141	33.7	26.3	39.5

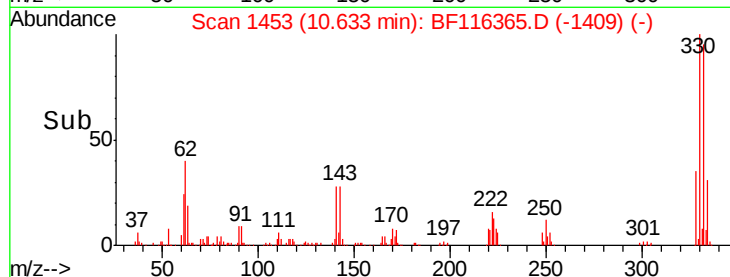
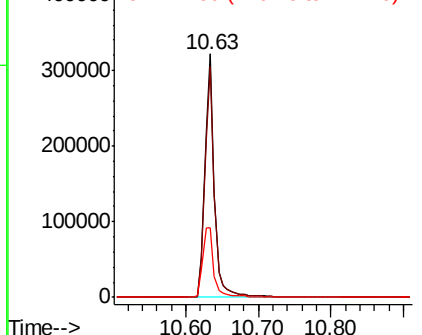


Abundance

Ion 329.80 (329.50 to 330.50): E

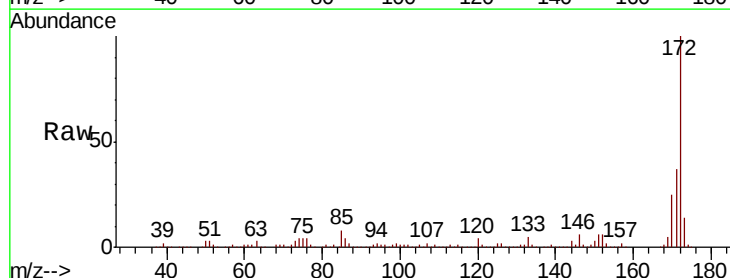
Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E



#45
 2-Fluorobiphenyl
 Concen: 79.670 ng
 RT: 9.16 min Scan# 1203
 Delta R.T. -0.04 min
 Lab File: BF116365.D
 Acq: 17 Aug 2019 18:46

Tgt Ion	Ratio	Lower	Upper
172	100		
171	36.7	29.6	44.4
170	25.0	20.1	30.1

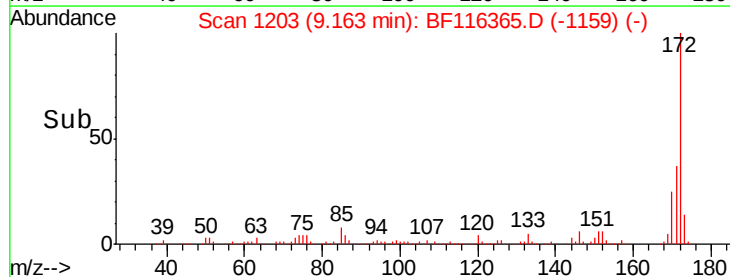
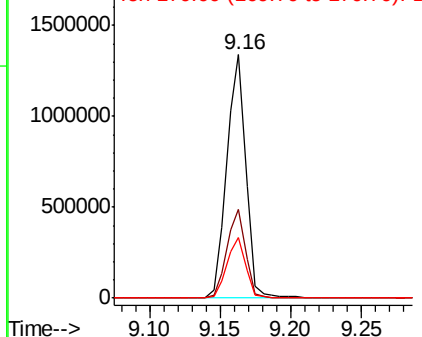


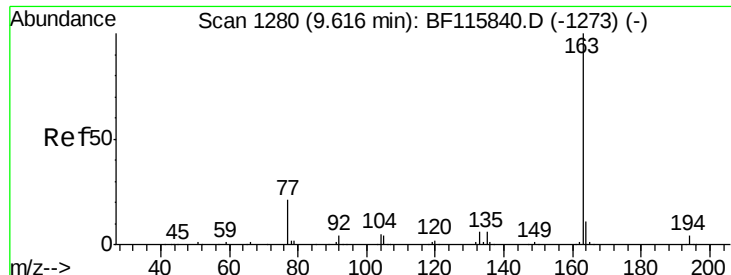
Abundance

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

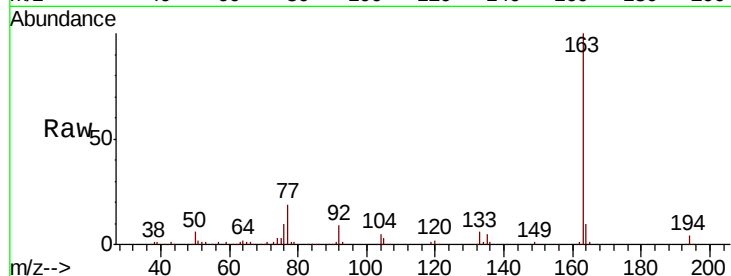




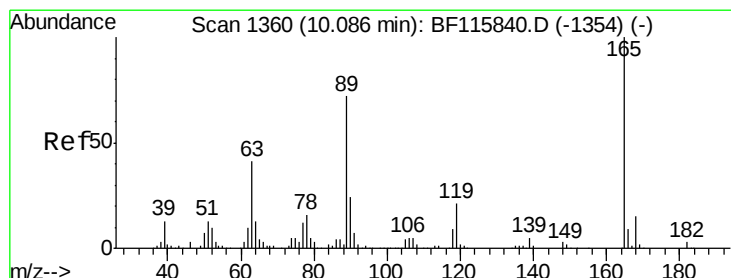
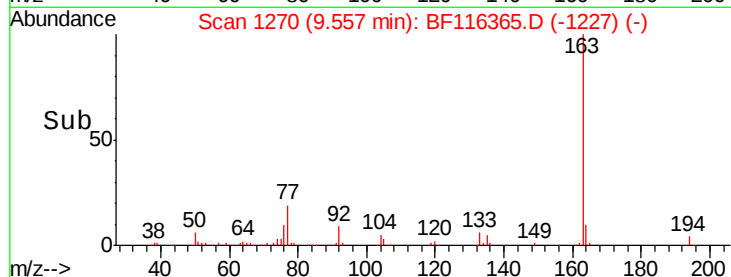
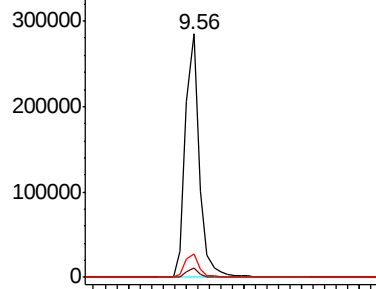
#50
Dimethylphthalate
Concen: 11.933 ng
RT: 9.56 min Scan# 1270
Delta R.T. -0.05 min
Lab File: BF116365.D
Acq: 17 Aug 2019 18:46

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
163	100		
194	3.8	3.0	4.6
164	9.6	8.4	12.6



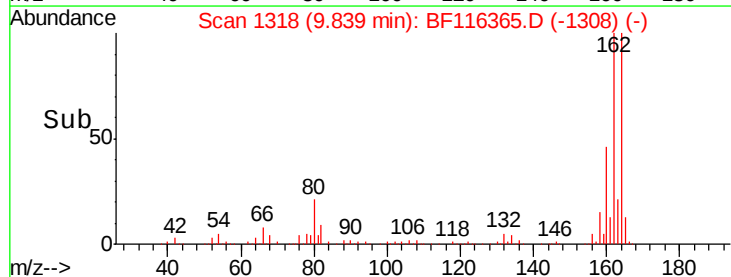
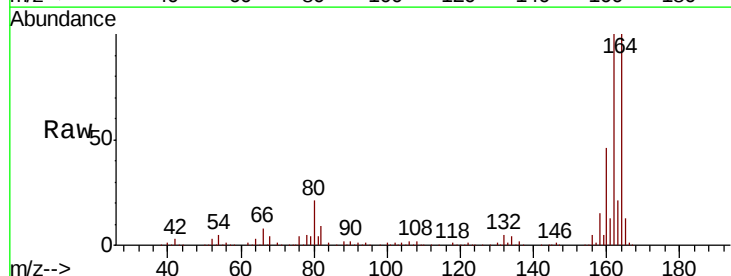
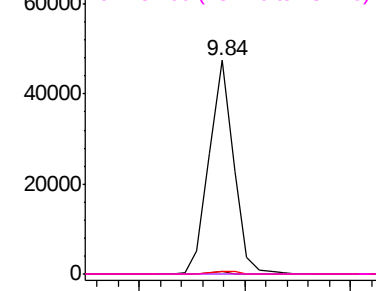
Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E



#57
2,4-Dinitrotoluene
Concen: 6.544 ng
RT: 9.84 min Scan# 1318
Delta R.T. -0.24 min
Lab File: BF116365.D
Acq: 17 Aug 2019 18:46

Tgt Ion	Ratio	Lower	Upper
165	100		
63	1.0	39.6	59.4#
89	1.2	62.2	93.2#
182	0.0	2.1	3.1#

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
Ion 182.00 (181.70 to 182.70): E

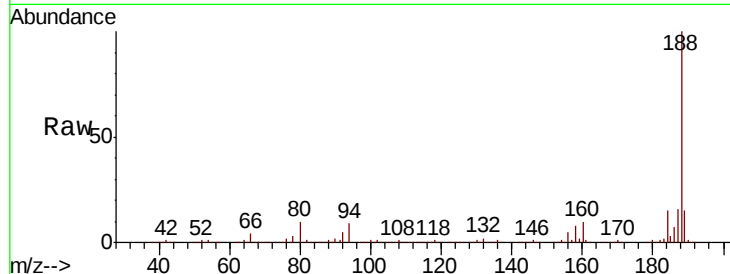




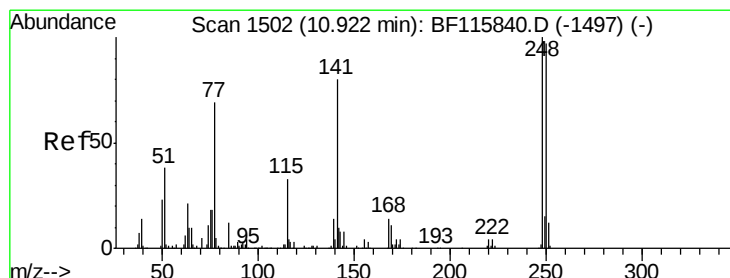
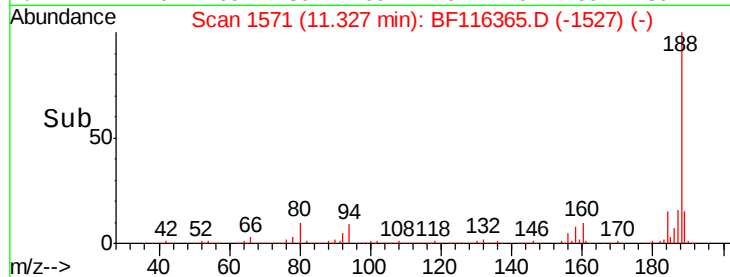
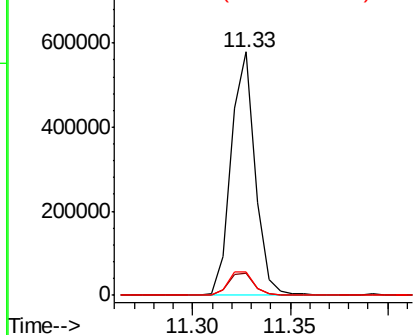
#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.33 min Scan# 1571
 Delta R.T. -0.04 min
 Lab File: BF116365.D
 Acq: 17 Aug 2019 18:46

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:188	Resp:	494608
Ion Ratio	Lower	Upper
188 100		
94 9.3	8.1	12.1
80 9.9	8.7	13.1

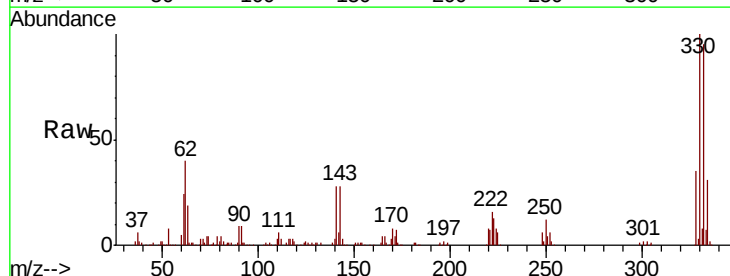


Abundance Ion 188.00 (187.70 to 188.70): E
 Ion 94.00 (93.70 to 94.70): BF1
 Ion 80.00 (79.70 to 80.70): BF1

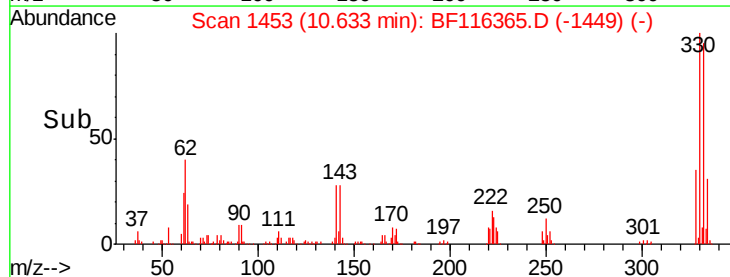
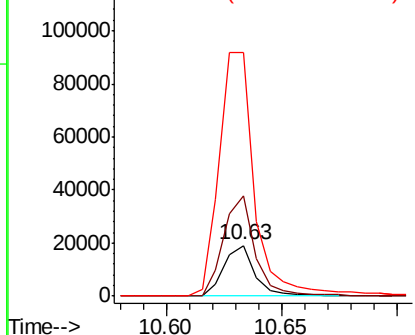


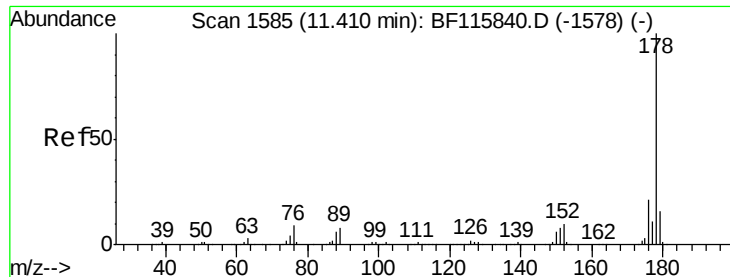
#67
 4-Bromophenyl-phenylether
 Concen: 3.335 ng
 RT: 10.63 min Scan# 1453
 Delta R.T. -0.28 min
 Lab File: BF116365.D
 Acq: 17 Aug 2019 18:46

Tgt Ion:248	Resp:	17660
Ion Ratio	Lower	Upper
248 100		
250 198.3	77.4	116.2#
141 479.6	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

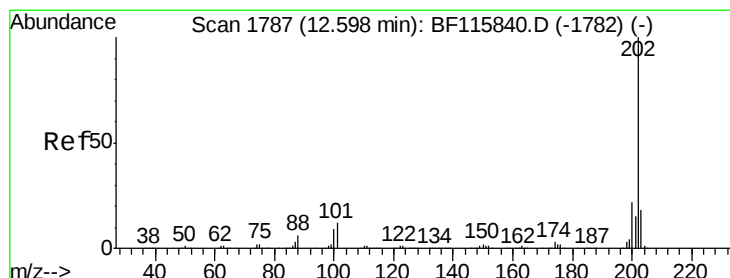
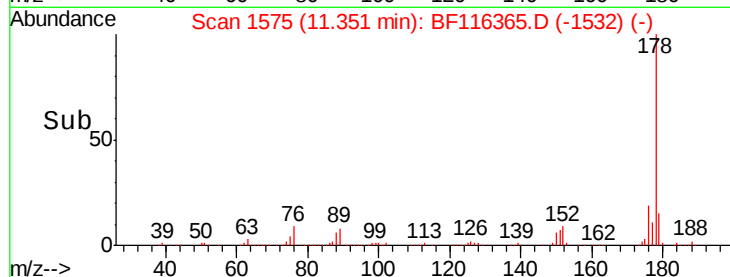
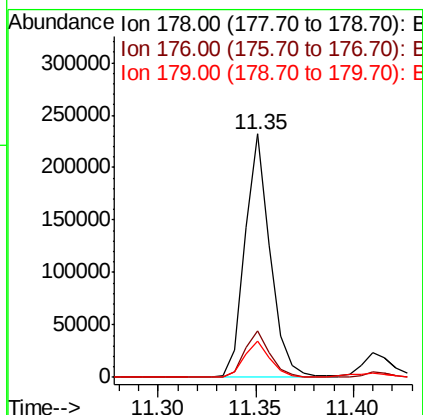
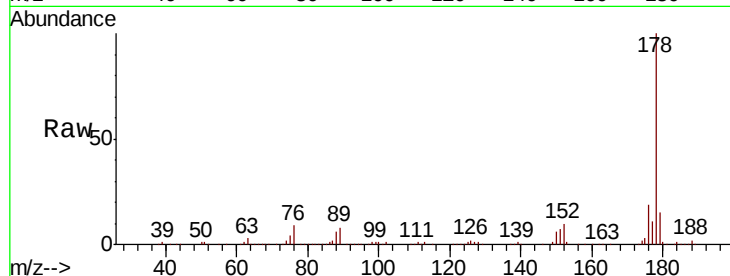




#71
Phenanthrene
Concen: 8.238 ng
RT: 11.35 min Scan# 1575
Delta R.T. -0.05 min
Lab File: BF116365.D
Acq: 17 Aug 2019 18:46

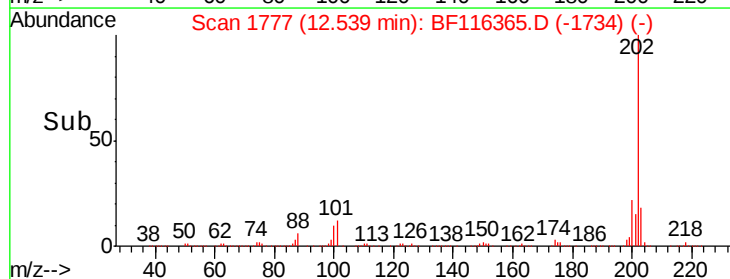
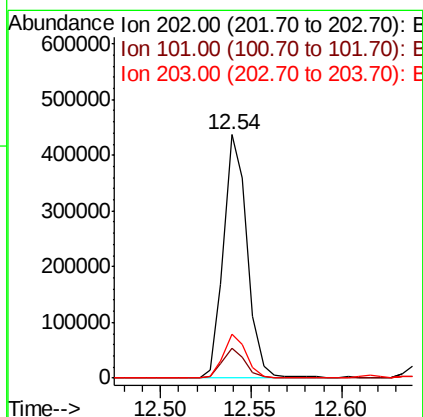
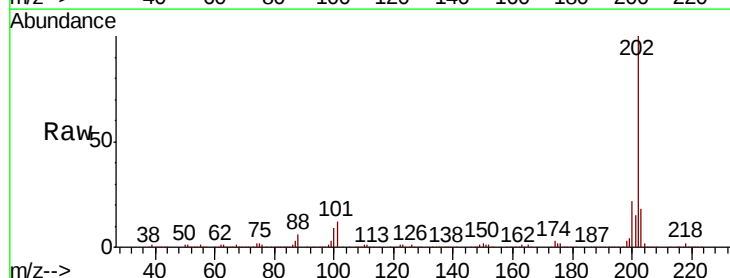
Instrument :
BNA_F
ClientSampleId :

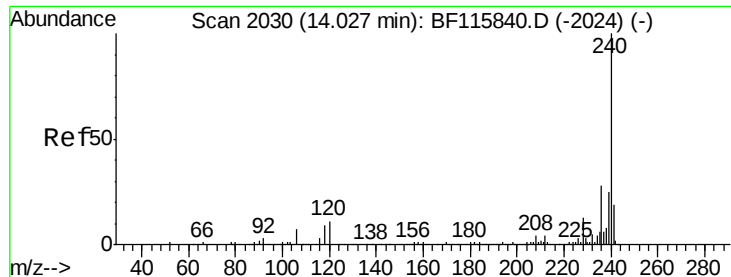
Tot Ion	Ratio	Lower	Upper
178	100		
176	19.2	16.6	24.8
179	15.0	12.5	18.7



#75
Fluoranthene
Concen: 15.058 ng
RT: 12.54 min Scan# 1777
Delta R.T. -0.05 min
Lab File: BF116365.D
Acq: 17 Aug 2019 18:46

Tgt Ion	Ratio	Lower	Upper
202	100		
101	12.4	0.0	31.2
203	17.9	0.0	37.8

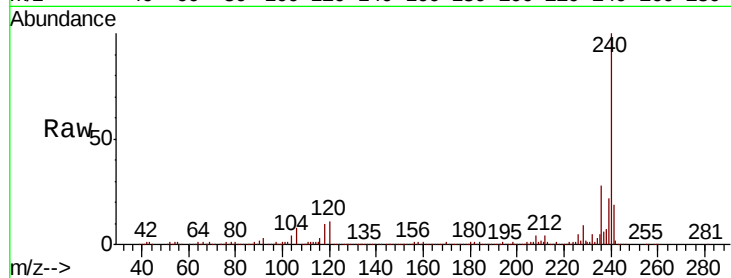




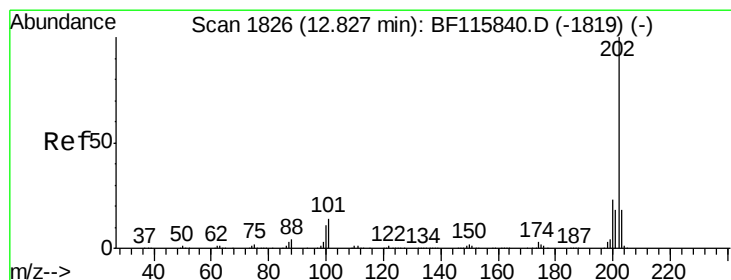
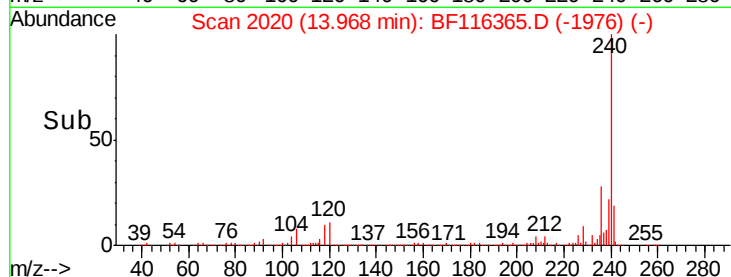
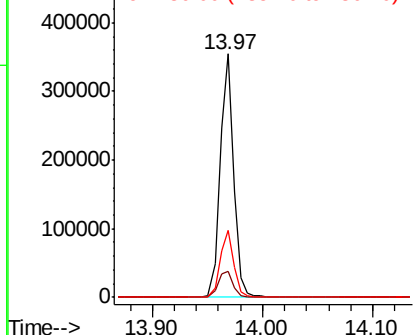
#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.97 min Scan# 2020
Delta R.T. -0.04 min
Lab File: BF116365.D
Acq: 17 Aug 2019 18:46

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
240	100		
120	10.8	10.7	16.1
236	27.5	22.2	33.2

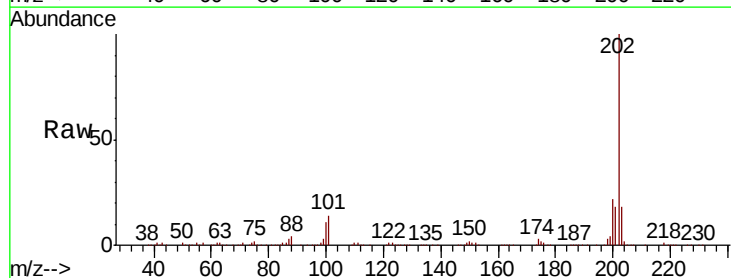


Abundance Ion 240.00 (239.70 to 240.70): E
Ion 120.00 (119.70 to 120.70): E
Ion 236.00 (235.70 to 236.70): E

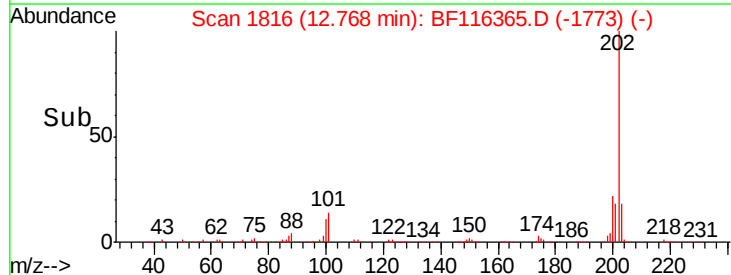
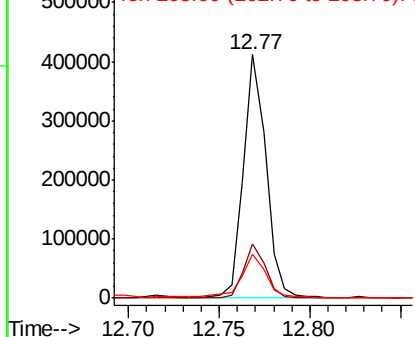


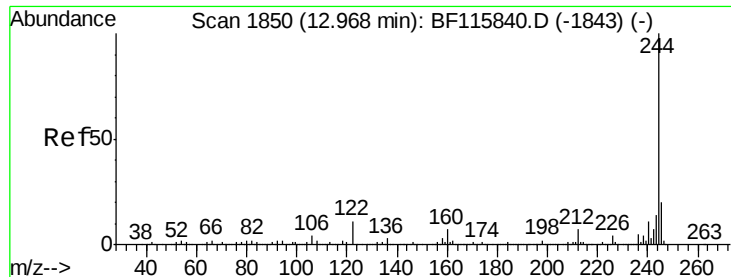
#78
Pyrene
Concen: 15.727 ng
RT: 12.77 min Scan# 1816
Delta R.T. -0.05 min
Lab File: BF116365.D
Acq: 17 Aug 2019 18:46

Tgt Ion	Ratio	Lower	Upper
202	100		
200	22.1	18.0	27.0
203	18.1	14.1	21.1



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



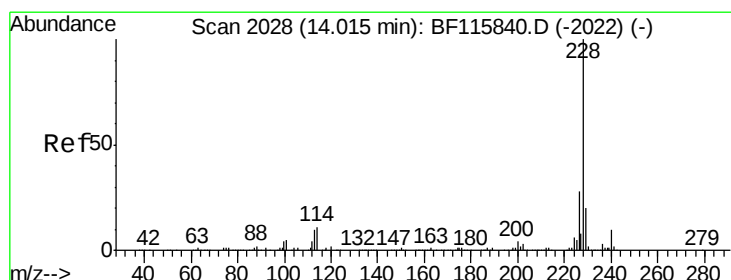
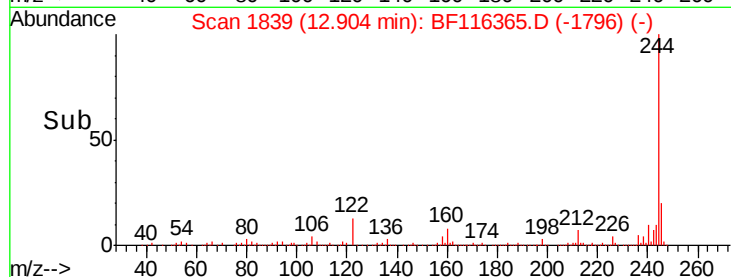
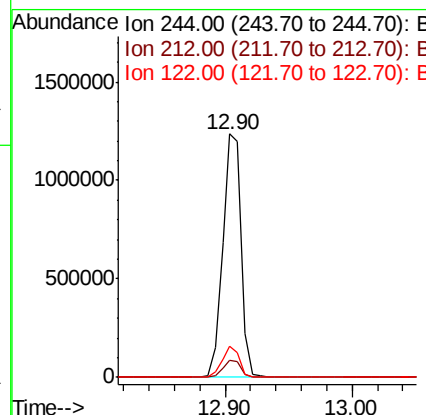
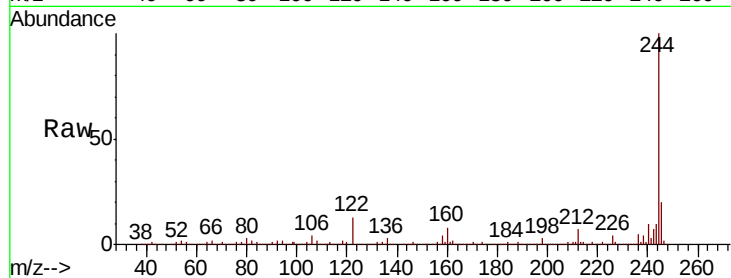


#79
 Terphenyl-d14
 Concen: 87.187 ng
 RT: 12.90 min Scan# 1839
 Delta R.T. -0.05 min
 Lab File: BF116365.D
 Acq: 17 Aug 2019 18:46

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:244 Resp: 1248771

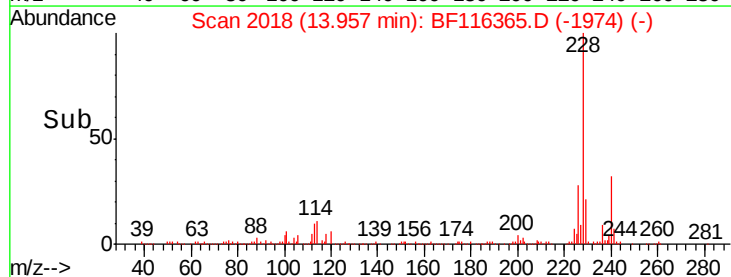
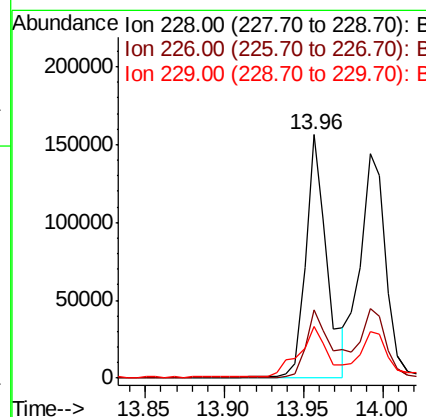
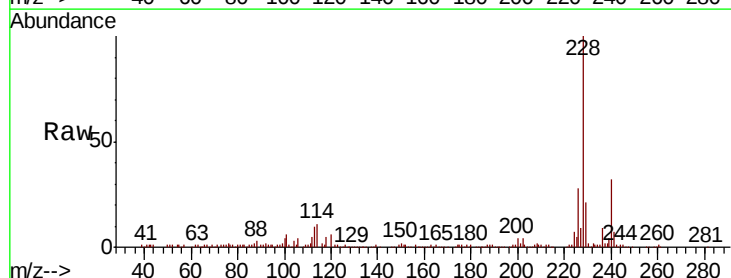
Ion	Ratio	Lower	Upper
244	100		
212	7.2	5.8	8.8
122	12.7	9.0	13.4

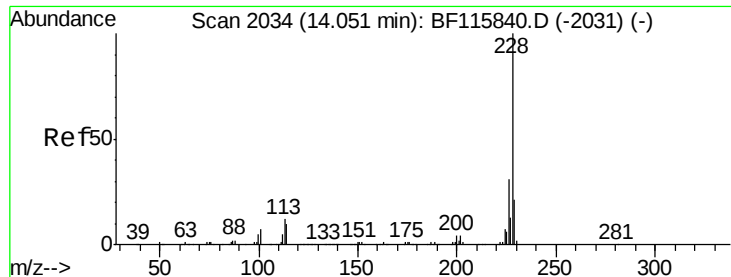


#81
 Benzo(a)anthracene
 Concen: 7.535 ng
 RT: 13.96 min Scan# 2018
 Delta R.T. -0.04 min
 Lab File: BF116365.D
 Acq: 17 Aug 2019 18:46

Tgt Ion:228 Resp: 145351

Ion	Ratio	Lower	Upper
228	100		
226	27.8	22.7	34.1
229	21.1	16.2	24.4

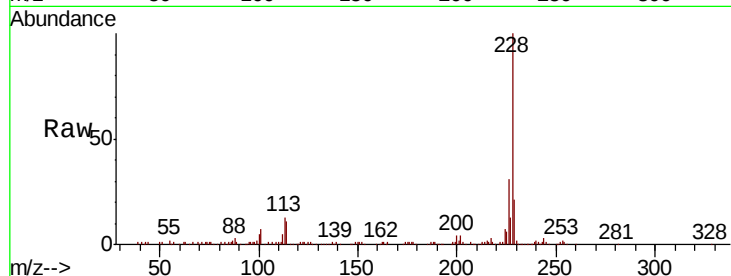




#83
Chrysene
Concen: 8.667 ng
RT: 13.99 min Scan# 2024
Delta R.T. -0.05 min
Lab File: BF116365.D
Acq: 17 Aug 2019 18:46

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
228	100		
226	30.9	25.5	38.3
229	20.6	16.6	24.8

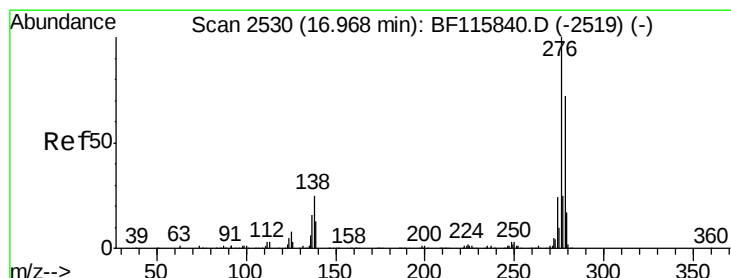
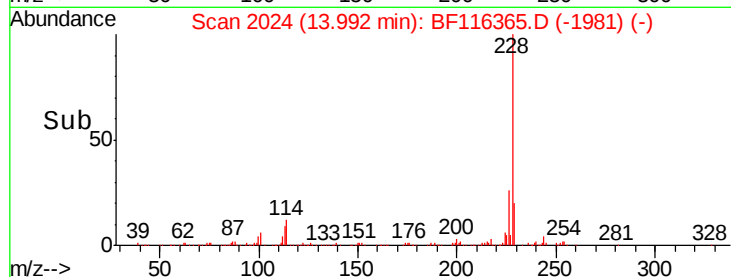
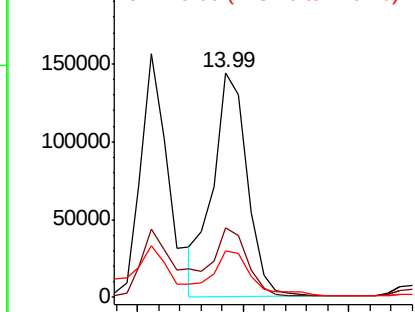


Abundance

Ion 228.00 (227.70 to 228.70): E

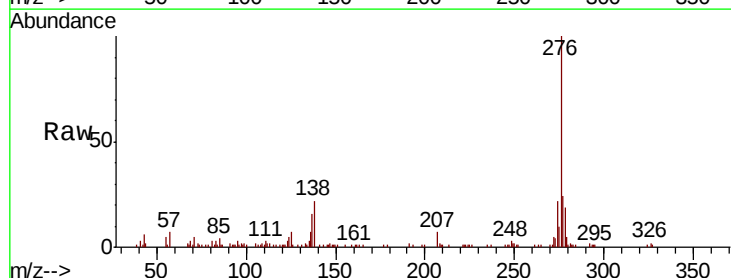
Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



#86
Indeno(1,2,3-cd)pyrene
Concen: 6.293 ng
RT: 16.89 min Scan# 2517
Delta R.T. -0.06 min
Lab File: BF116365.D
Acq: 17 Aug 2019 18:46

Tgt Ion	Ratio	Lower	Upper
276	100		
138	23.3	20.4	30.6
277	23.5	20.0	30.0

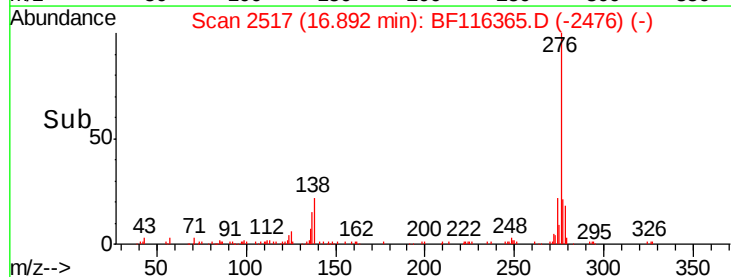
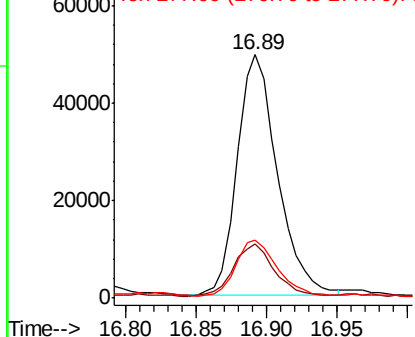


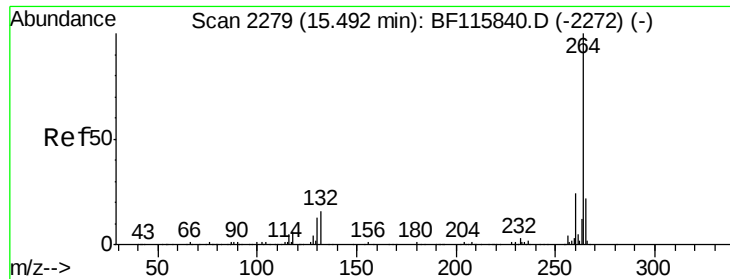
Abundance

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



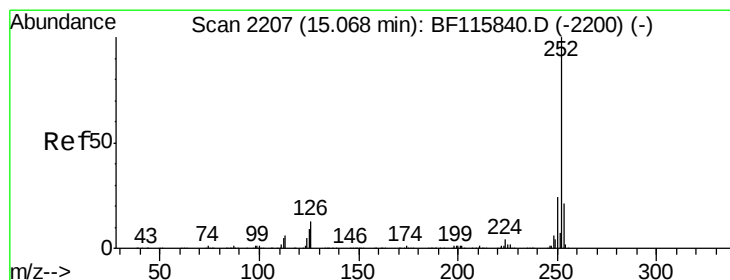
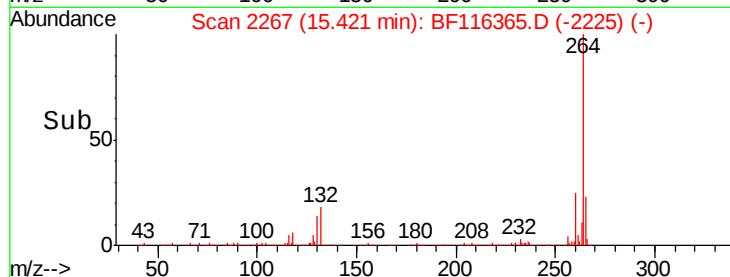
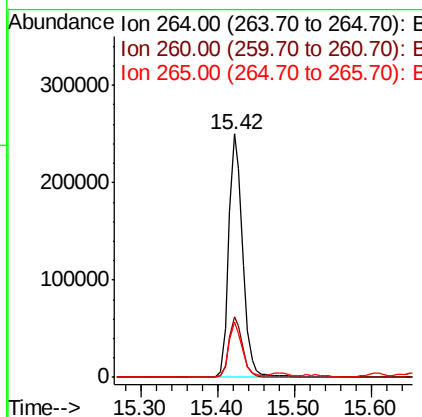
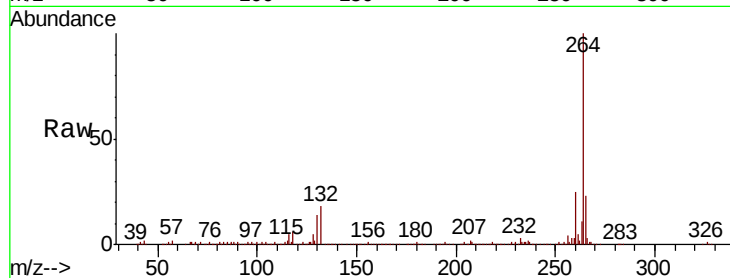


#87
Pervlene-d12
Concen: 20.000 ng
RT: 15.42 min Scan# 2267
Delta R.T. -0.05 min
Lab File: BF116365.D
Acq: 17 Aug 2019 18:46

Instrument :
BNA_F
ClientSampleId :

Tot Ion:264 Resp: 317933

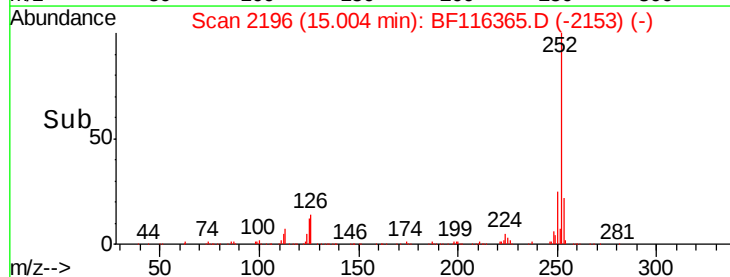
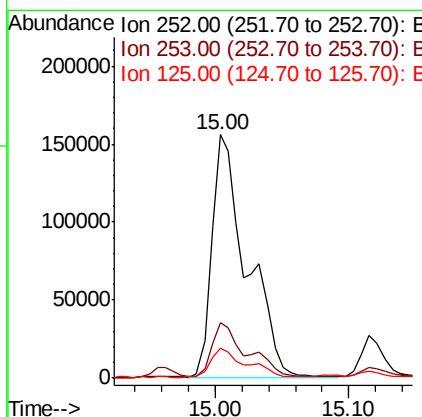
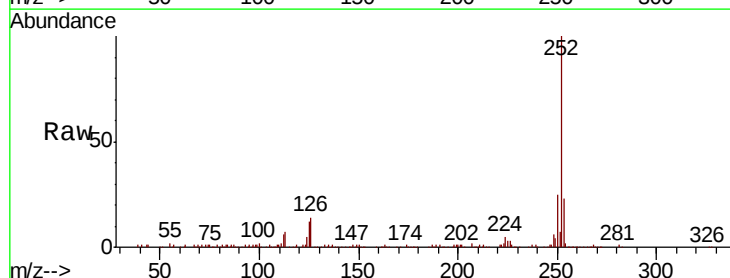
Ion	Ratio	Lower	Upper
264	100		
260	25.0	19.7	29.5
265	22.9	17.4	26.0

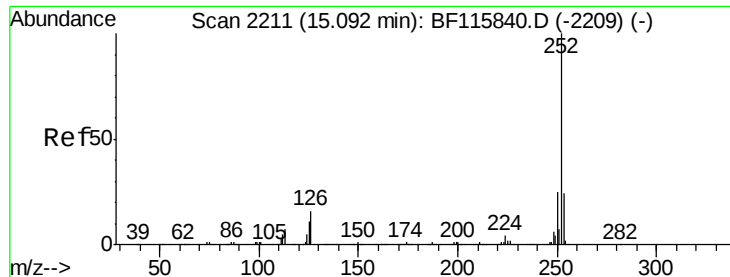


#88
Benzo(b)fluoranthene
Concen: 15.396 ng
RT: 15.00 min Scan# 2196
Delta R.T. -0.05 min
Lab File: BF116365.D
Acq: 17 Aug 2019 18:46

Tgt Ion:252 Resp: 283027

Ion	Ratio	Lower	Upper
252	100		
253	22.6	17.8	26.8
125	12.3	8.4	12.6

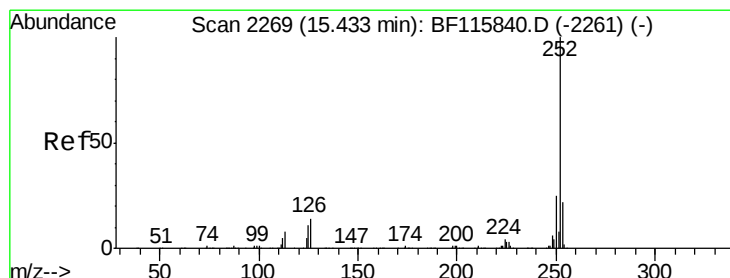
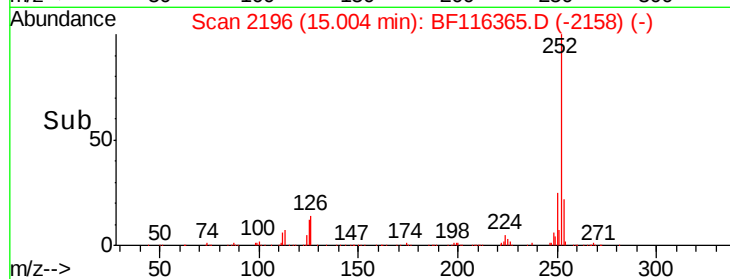
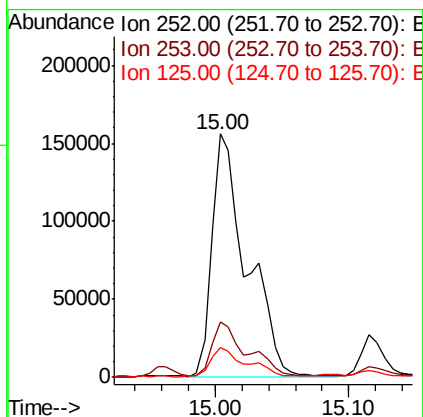
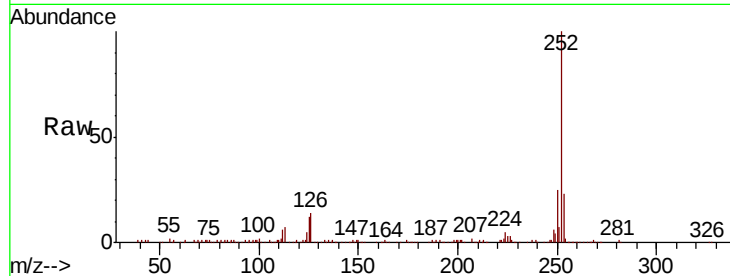




#89
Benzo(k)fluoranthene
Concen: 15.807 ng
RT: 15.00 min Scan# 2196
Delta R.T. -0.08 min
Lab File: BF116365.D
Acq: 17 Aug 2019 18:46

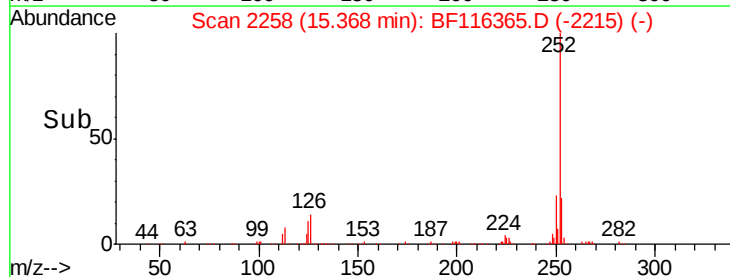
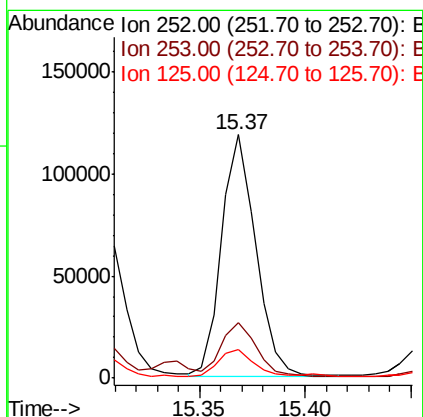
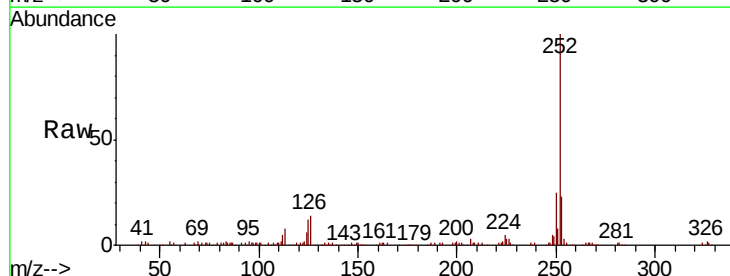
Instrument :
BNA_F
ClientSampleId :

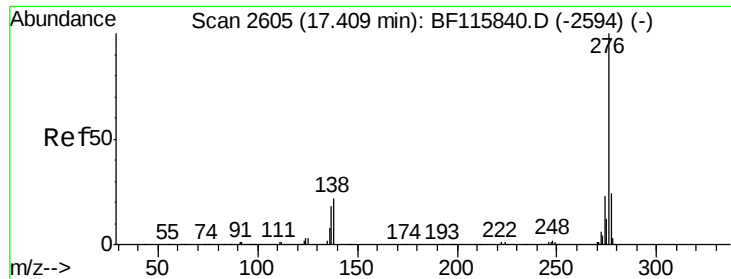
Tot Ion:252 Resp: 283027
Ion Ratio Lower Upper
252 100
253 22.6 17.8 26.8
125 12.3 7.7 11.5#



#90
Benzo(a)pyrene
Concen: 8.160 ng
RT: 15.37 min Scan# 2258
Delta R.T. -0.05 min
Lab File: BF116365.D
Acq: 17 Aug 2019 18:46

Tgt Ion:252 Resp: 134096
Ion Ratio Lower Upper
252 100
253 22.9 18.0 27.0
125 11.7 8.9 13.3

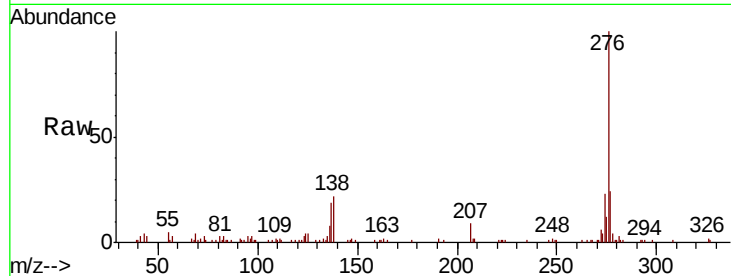




#92
 Benzo(a,h,i)perylene
 Concen: 6.633 ng
 RT: 17.33 min Scan# 2591
 Delta R.T. -0.06 min
 Lab File: BF116365.D
 Acq: 17 Aug 2019 18:46

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
276	100		
277	23.7	18.4	27.6
138	22.2	17.0	25.6



Abundance

Ion 276.00 (275.70 to 276.70): E

Ion 277.00 (276.70 to 277.70): E

Ion 138.00 (137.70 to 138.70): E

