

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF082519\
 Data File : BF116538.D
 Acq On : 25 Aug 2019 18:03
 Operator : HP/JU
 Sample : K4385-19RE
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Aug 26 01:51:26 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF082319.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Aug 23 13:38:31 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.89	152	150532	20.00	ng	0.00
21) Naphthalene-d8	8.16	136	544619	20.00	ng	0.00
39) Acenaphthene-d10	9.92	164	254620	20.00	ng	0.00
64) Phenanthrene-d10	11.40	188	341318	20.00	ng	0.00
76) Chrysene-d12	14.04	240	209213	20.00	ng	0.00
87) Perylene-d12	15.52	264	207659	20.00	ng	0.00

System Monitoring Compounds

5) 2-Fluorophenol	5.51	112	844263	81.95	ng	0.01
7) Phenol-d6	6.52	99	1124358	89.01	ng	0.01
23) Nitrobenzene-d5	7.45	82	699984	70.32	ng	0.00
42) 2,4,6-Tribromophenol	10.70	330	176994	80.95	ng	0.00
45) 2-Fluorobiphenyl	9.24	172	1020305	64.53	ng	0.00
79) Terphenyl-d14	12.99	244	675161	60.28	ng	0.00

Target Compounds

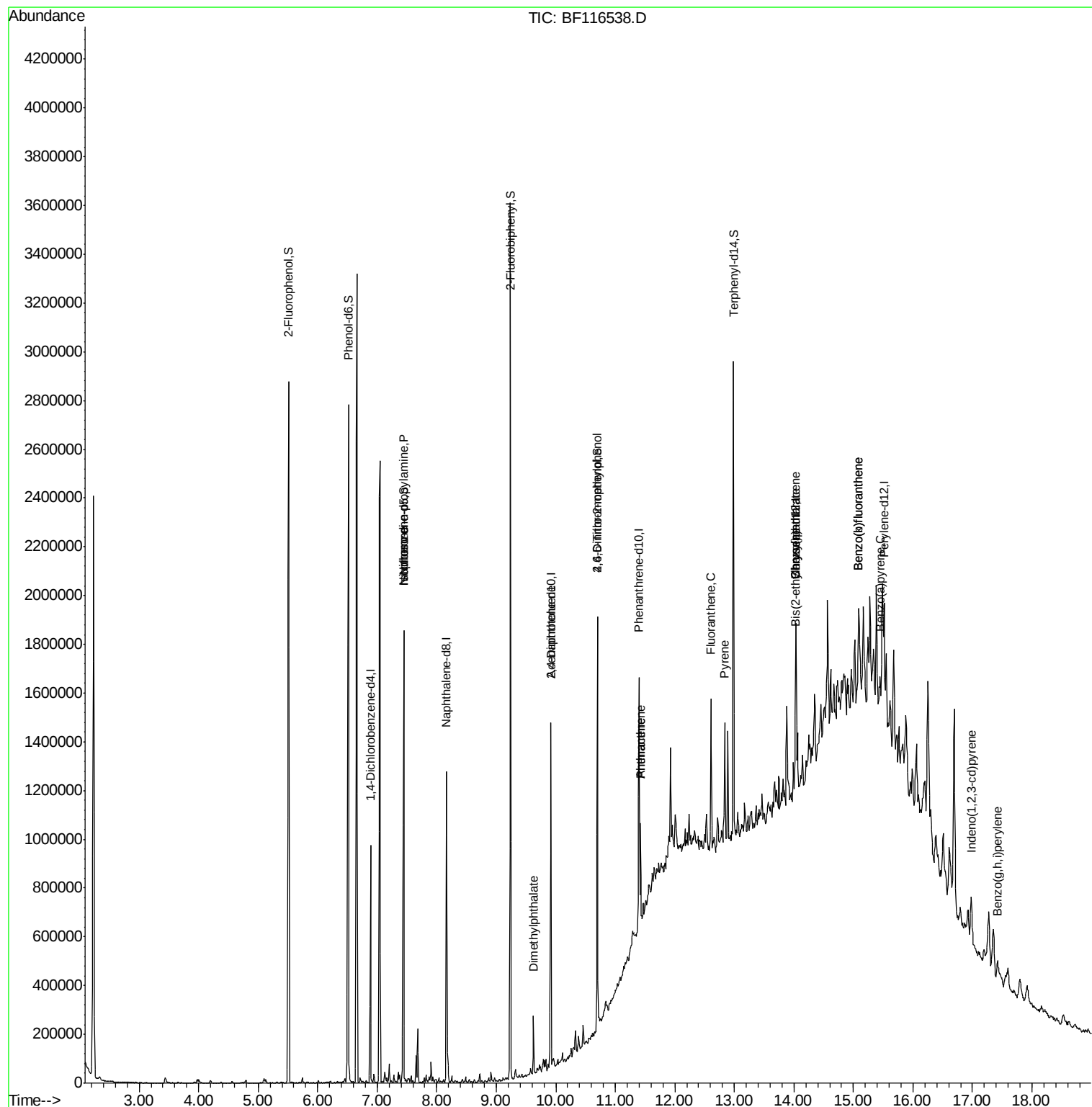
						Qvalue
19) n-Nitroso-di-n-propylamine	7.44	70	94971	11.018	ng	# 78
25) Isophorone	7.45	82	697992	35.580	ng	# 67
50) Dimethylphthalate	9.62	163	89316	5.028	ng	99
57) 2,4-Dinitrotoluene	9.92	165	34644	7.487	ng	# 21
65) 4,6-Dinitro-2-methylphenol	10.70	198	561	7.348	ng	# 1
71) Phenanthrene	11.42	178	132752	7.140	ng	99
72) Anthracene	11.42	178	132752	7.105	ng	97
75) Fluoranthene	12.61	202	224832	11.696	ng	97
78) Pyrene	12.84	202	196595	11.750	ng	98
81) Benzo(a)anthracene	14.03	228	93038	6.866	ng	96
83) Chrysene	14.03	228	93038	6.774	ng	97
84) Bis(2-ethylhexyl)phthalate	14.02	149	28447	2.952	ng	# 99
86) Indeno(1,2,3-cd)pyrene	16.98	276	49226	4.184	ng	97
88) Benzo(b)fluoranthene	15.08	252	158224	12.334	ng	# 83
89) Benzo(k)fluoranthene	15.08	252	158224	13.615	ng	# 82
90) Benzo(a)pyrene	15.45	252	80648	7.113	ng	# 87
92) Benzo(a,h,i)perylene	17.42	276	50911	5.732	ng	97

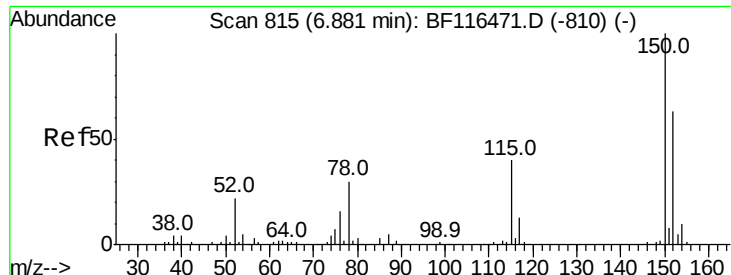
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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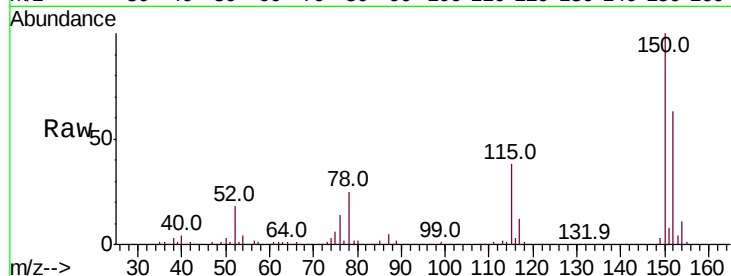


#1

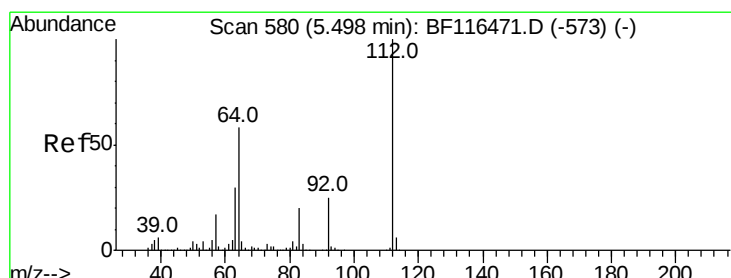
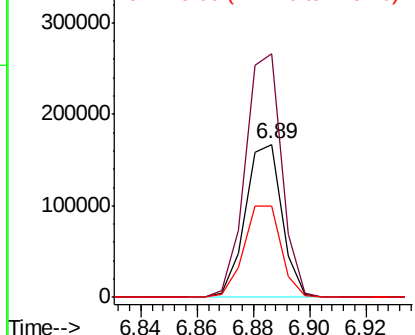
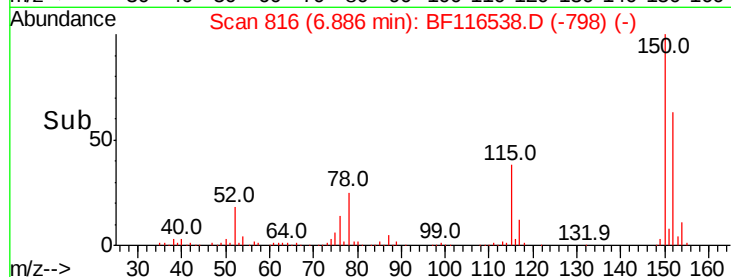
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.89 min Scan# 816
Delta R.T. 0.01 min
Lab File: BF116538.D
Acq: 25 Aug 2019 18:03

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
152	100		
150	158.8	126.7	190.1
115	59.9	50.9	76.3



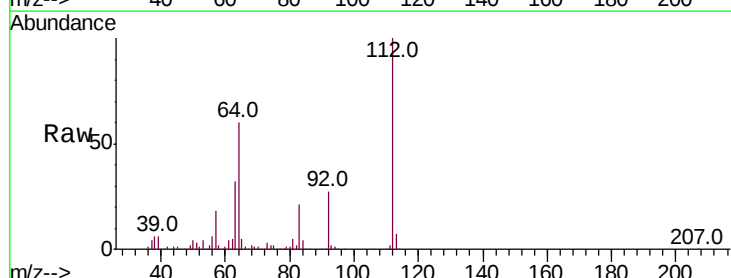
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



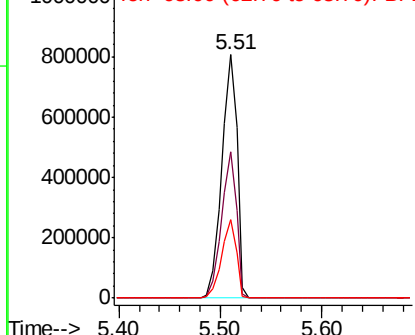
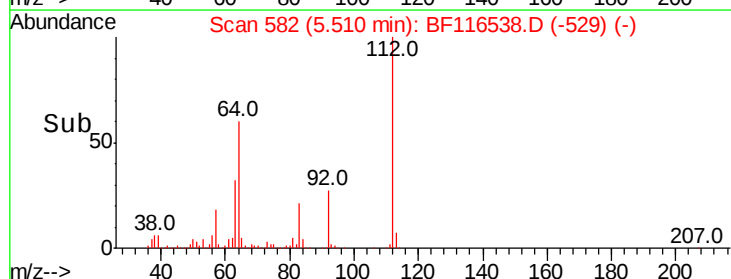
#5

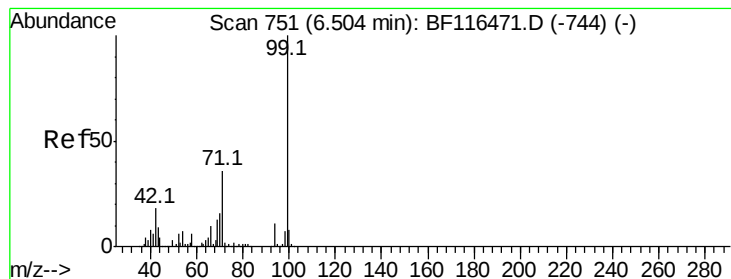
2-Fluorophenol
Concen: 81.949 ng
RT: 5.51 min Scan# 582
Delta R.T. 0.01 min
Lab File: BF116538.D
Acq: 25 Aug 2019 18:03

Tgt Ion	Ratio	Lower	Upper
112	100		
64	60.2	46.3	69.5
63	32.2	24.2	36.4



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: 89.008 ng

RT: 6.52 min Scan# 753

Delta R.T. 0.01 min

Lab File: BF116538.D

Acq: 25 Aug 2019 18:03

Instrument :

BNA_F

ClientSampled :

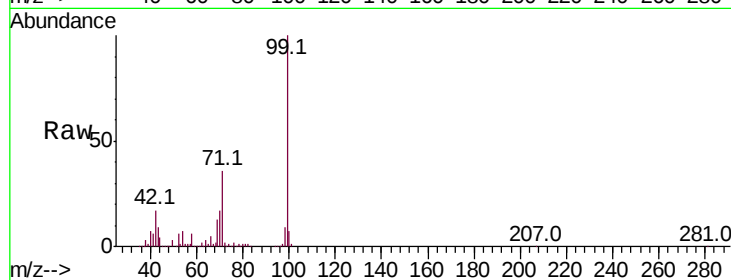
Tot Ion: 99 Resp: 1124358

Ion Ratio Lower Upper

99 100

42 17.4 14.6 21.8

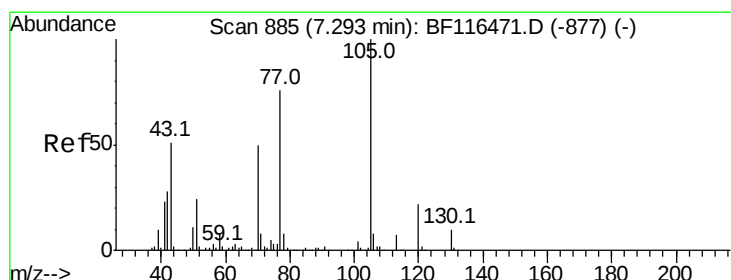
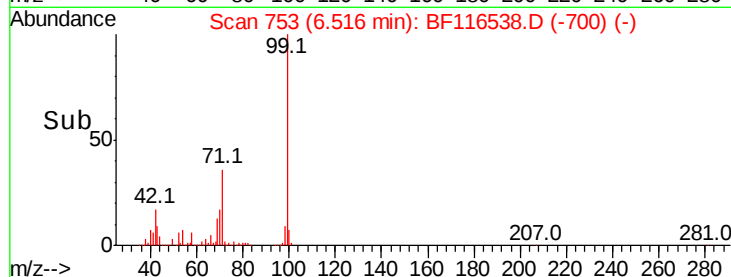
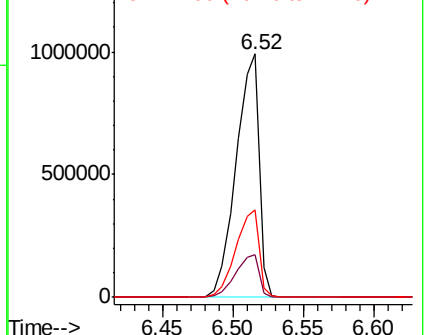
71 35.7 28.5 42.7



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: 11.018 ng

RT: 7.44 min Scan# 910

Delta R.T. 0.15 min

Lab File: BF116538.D

Acq: 25 Aug 2019 18:03

Tgt Ion: 70 Resp: 94971

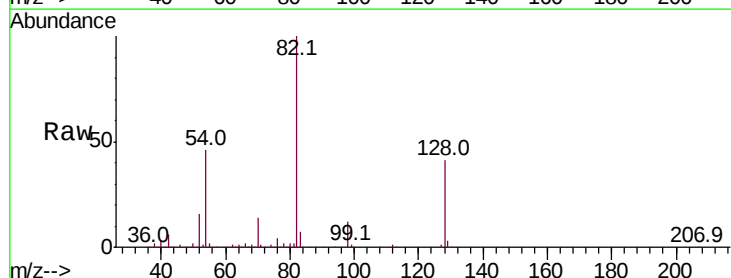
Ion Ratio Lower Upper

70 100

42 44.7 44.4 66.6

101 0.0 7.1 10.7#

130 2.0 15.8 23.8#

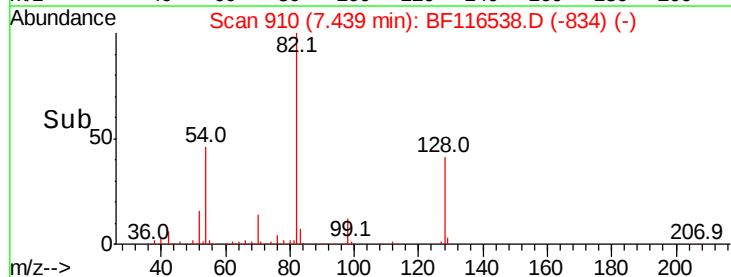
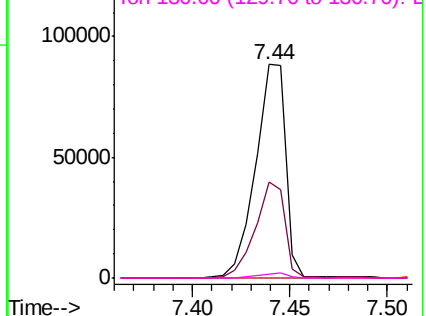


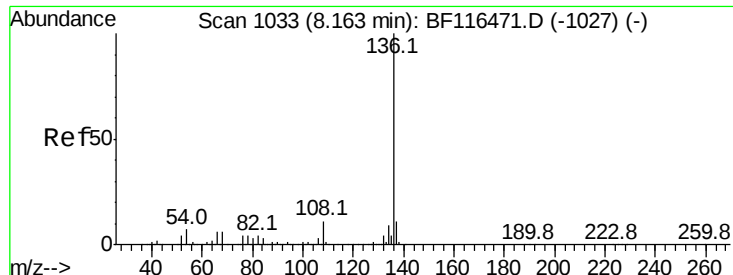
Abundance Ion 70.00 (69.70 to 70.70): BF1

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

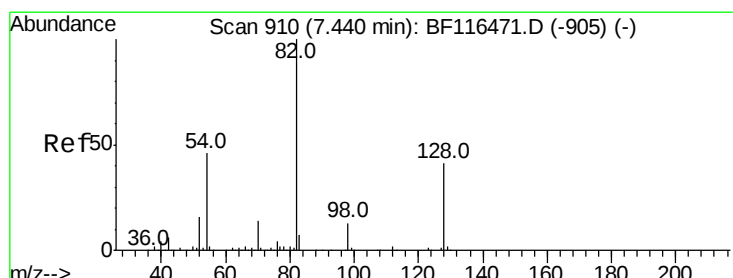
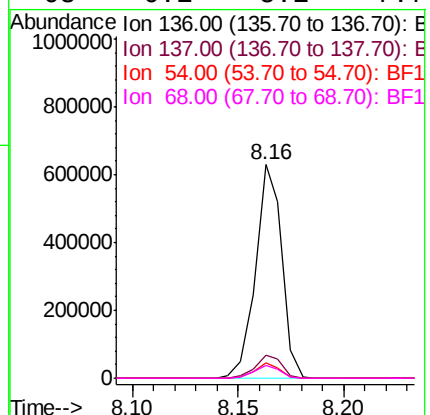
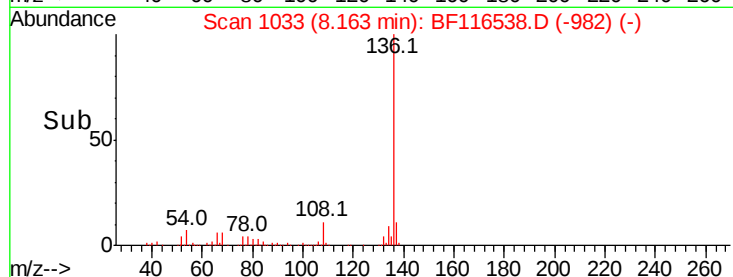
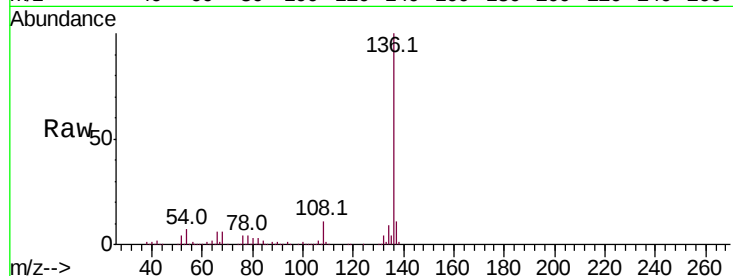




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.16 min Scan# 1033
Delta R.T. -0.00 min
Lab File: BF116538.D
Acq: 25 Aug 2019 18:03

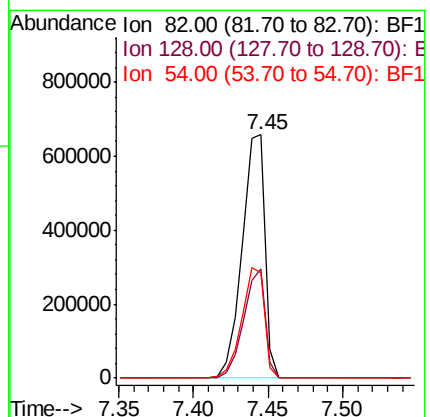
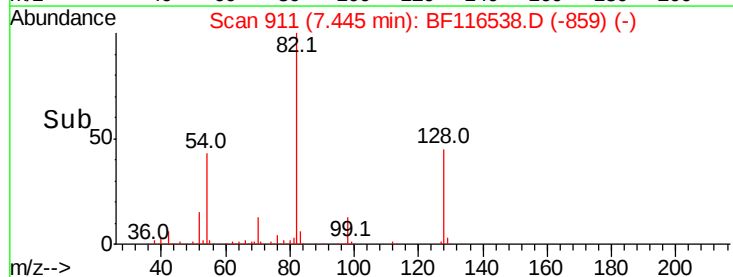
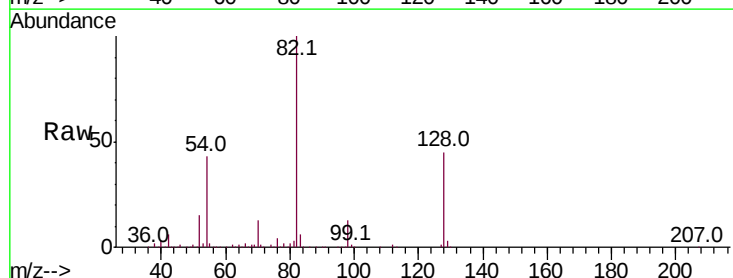
Instrument :
BNA_F
ClientSampleId :

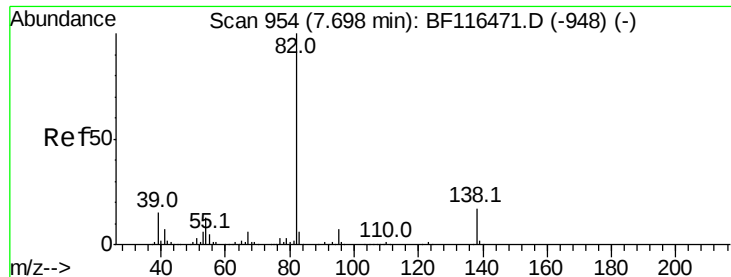
Tot Ion:136	Resp:	544619	
Ion Ratio	Lower	Upper	
136 100			
137 10.9	9.0	13.4	
54 7.1	5.8	8.6	
68 6.1	5.1	7.7	



#23
Nitrobenzene-d5
Concen: 70.317 ng
RT: 7.45 min Scan# 911
Delta R.T. 0.01 min
Lab File: BF116538.D
Acq: 25 Aug 2019 18:03

Tgt Ion: 82	Resp: 699984
Ion Ratio	Lower Upper
82 100	
128 44.7	32.2 48.4
54 43.3	36.5 54.7





#25

Isophorone

Concen: 35.580 ng

RT: 7.45 min Scan# 911

Delta R.T. -0.25 min

Lab File: BF116538.D

Acq: 25 Aug 2019 18:03

Instrument :

BNA_F

ClientSampleId :

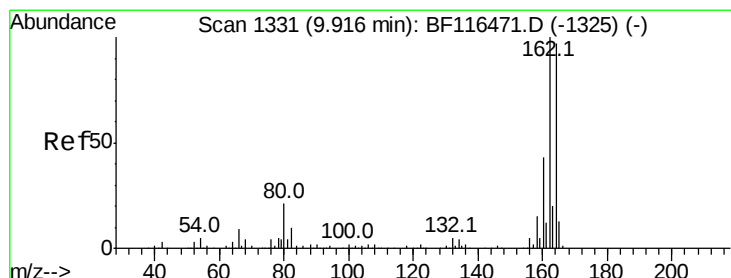
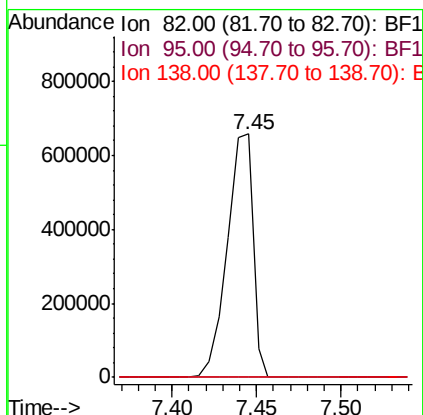
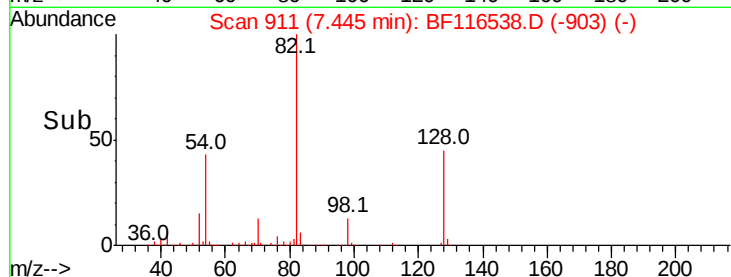
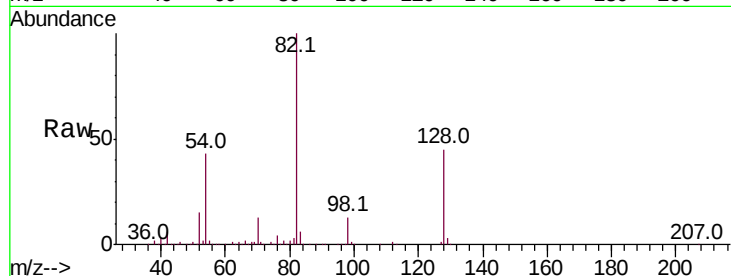
Tot Ion: 82 Resp: 697992

Ion Ratio Lower Upper

82 100

95 0.1 5.3 7.9#

138 0.0 13.3 19.9#



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.92 min Scan# 1331

Delta R.T. -0.00 min

Lab File: BF116538.D

Acq: 25 Aug 2019 18:03

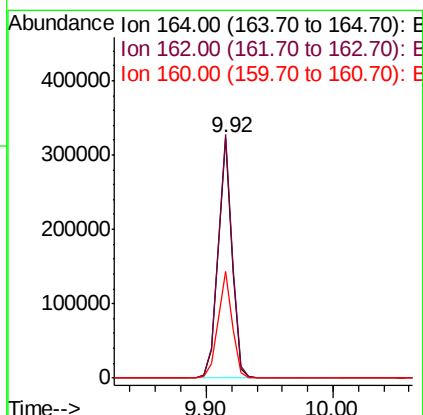
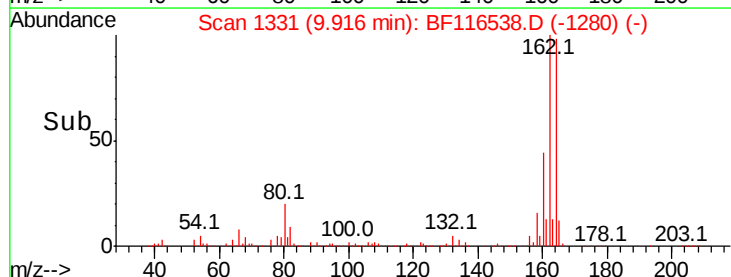
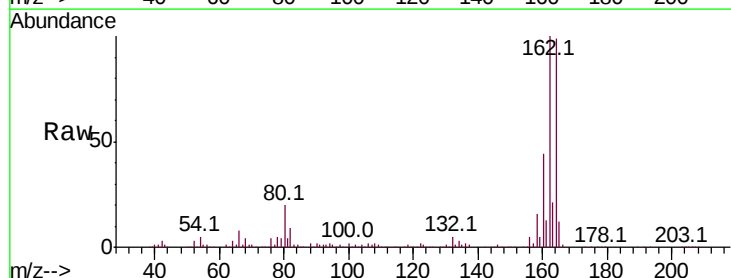
Tgt Ion:164 Resp: 254620

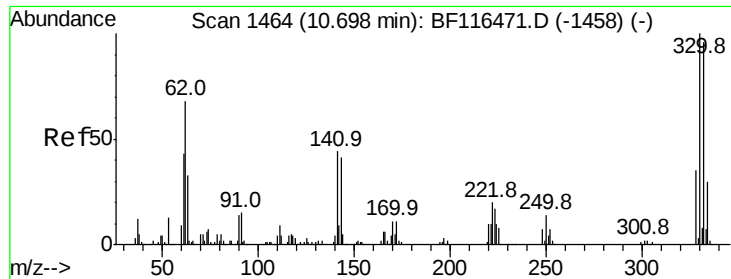
Ion Ratio Lower Upper

164 100

162 101.4 82.6 123.8

160 44.6 35.8 53.8





#42

2,4,6-Tribromophenol

Concen: 80.954 ng

RT: 10.70 min Scan# 1464

Delta R.T. -0.00 min

Lab File: BF116538.D

Acq: 25 Aug 2019 18:03

Instrument :

BNA_F

ClientSampleId :

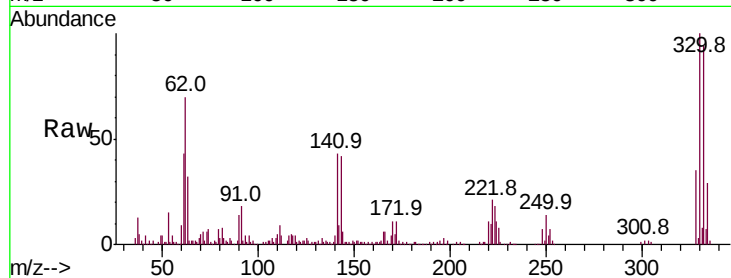
Tot Ion:330 Resp: 176994

Ion Ratio Lower Upper

330 100

332 97.3 77.2 115.8

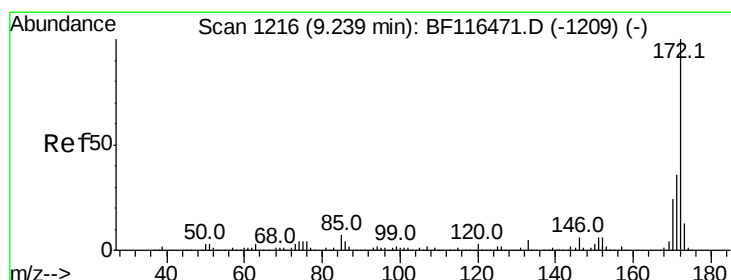
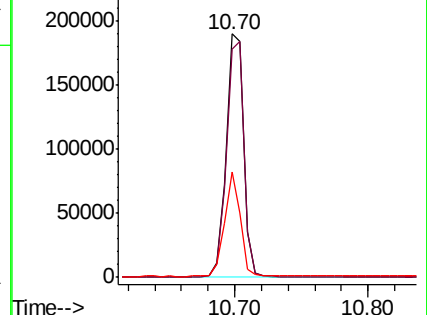
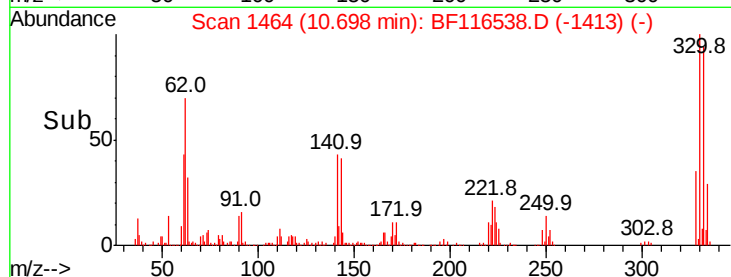
141 38.4 33.3 49.9



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: 64.532 ng

RT: 9.24 min Scan# 1216

Delta R.T. -0.00 min

Lab File: BF116538.D

Acq: 25 Aug 2019 18:03

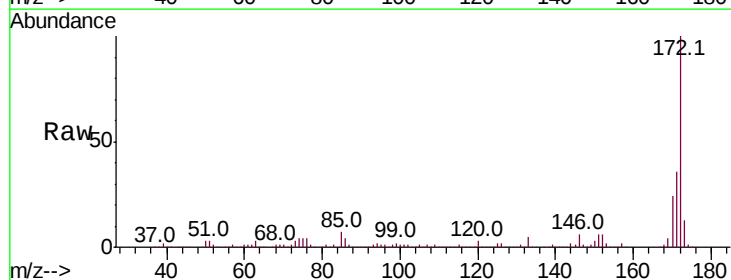
Tgt Ion:172 Resp: 1020305

Ion Ratio Lower Upper

172 100

171 36.3 28.9 43.3

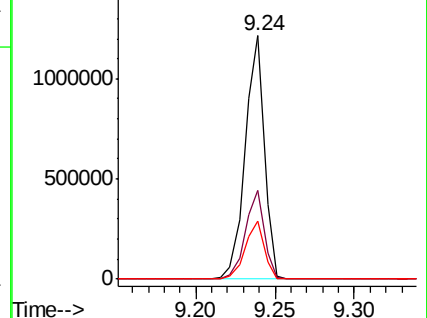
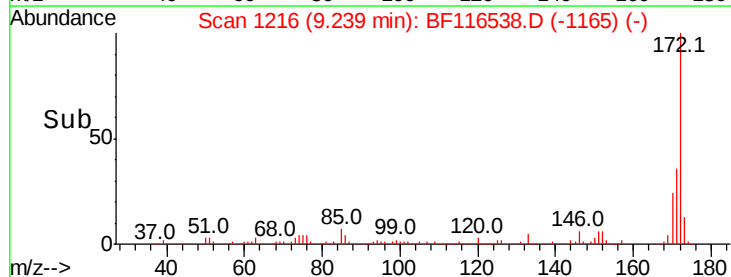
170 24.0 19.4 29.0

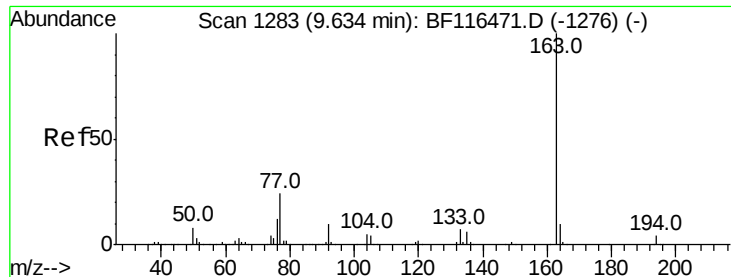


Abundance Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E





#50

Dimethylphthalate

Concen: 5.028 ng

RT: 9.62 min Scan# 1281

Delta R.T. -0.01 min

Lab File: BF116538.D

Acq: 25 Aug 2019 18:03

Instrument :

BNA_F

ClientSampleId :

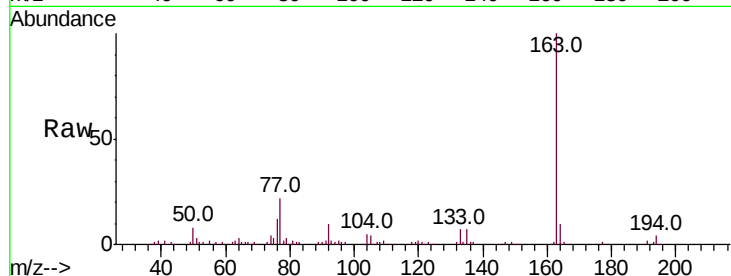
Tot Ion:163 Resp: 89316

Ion Ratio Lower Upper

163 100

194 3.6 2.9 4.3

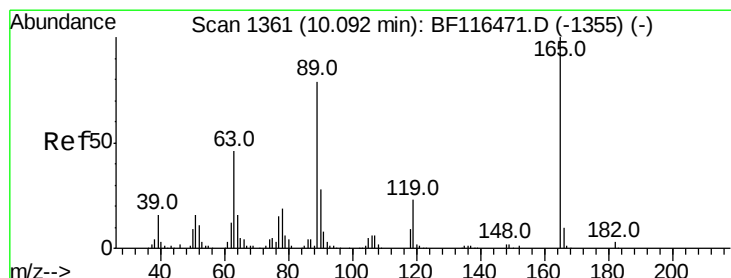
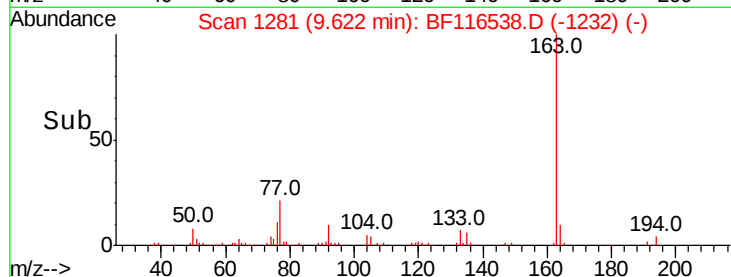
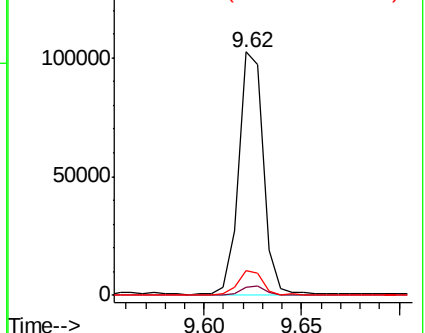
164 10.0 8.2 12.2



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: 7.487 ng

RT: 9.92 min Scan# 1331

Delta R.T. -0.18 min

Lab File: BF116538.D

Acq: 25 Aug 2019 18:03

Tgt Ion:165 Resp: 34644

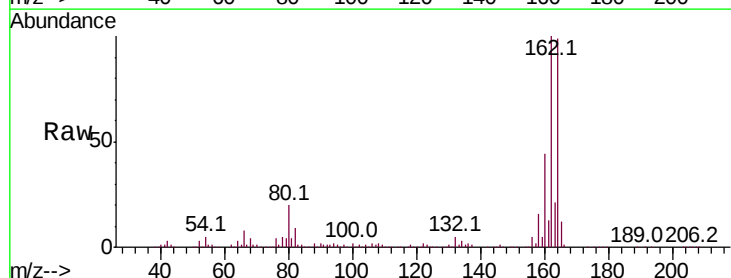
Ion Ratio Lower Upper

165 100

63 1.1 36.9 55.3#

89 1.7 63.4 95.0#

182 0.0 2.1 3.1#

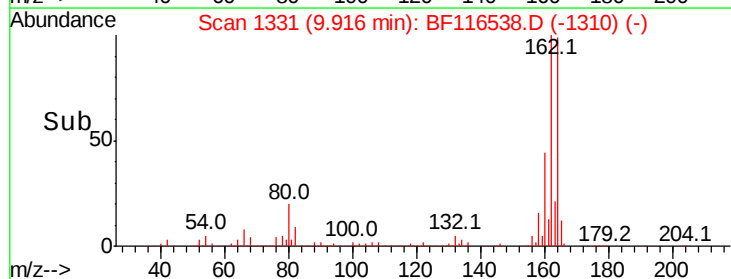
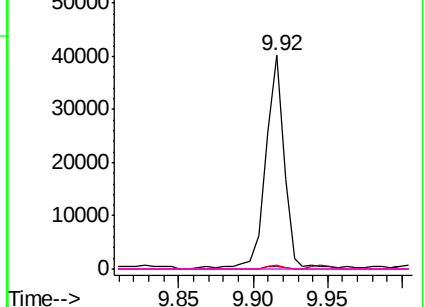


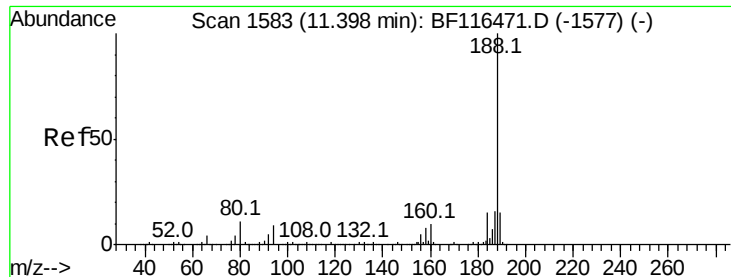
Abundance Ion 165.00 (164.70 to 165.70): E

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

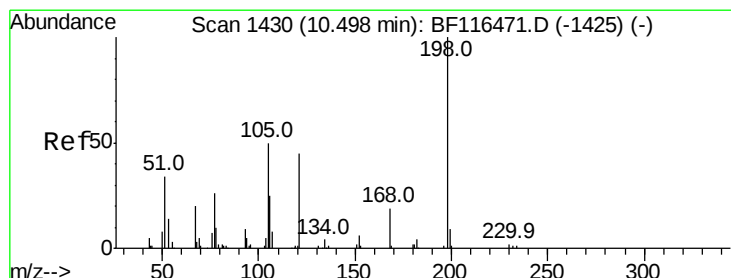
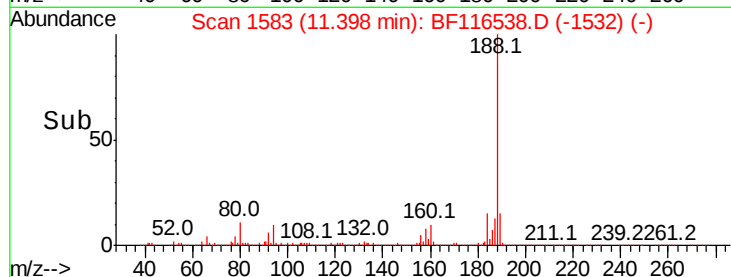
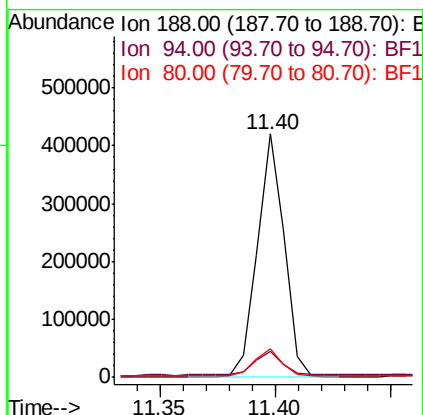
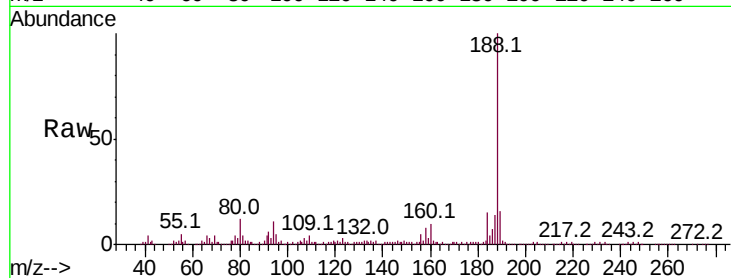




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.40 min Scan# 1583
Delta R.T. -0.00 min
Lab File: BF116538.D
Acq: 25 Aug 2019 18:03

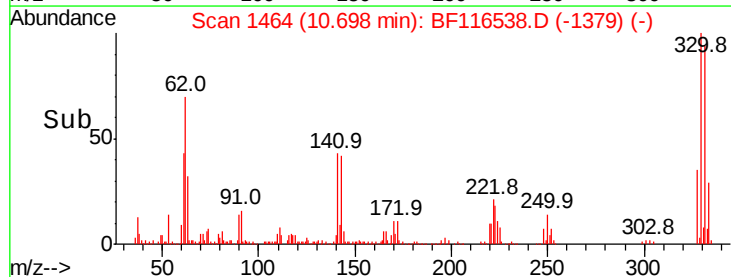
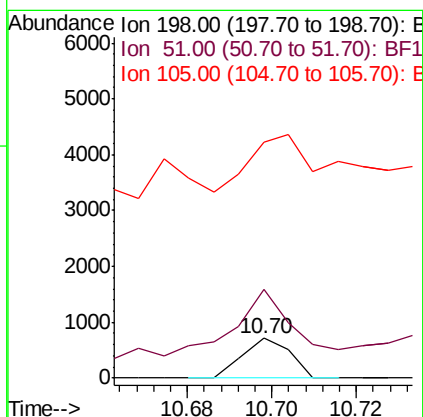
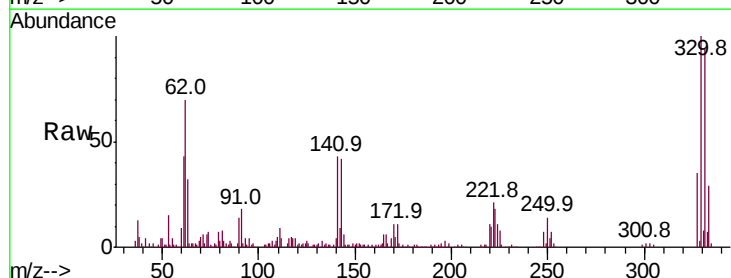
Instrument :
BNA_F
ClientSampled :

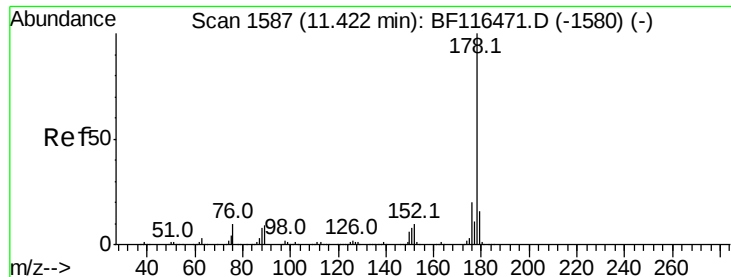
Tot Ion:188 Resp: 341318
Ion Ratio Lower Upper
188 100
94 10.6 7.4 11.2
80 11.7 8.6 12.8



#65
4,6-Dinitro-2-methylphenol
Concen: 7.348 ng
RT: 10.70 min Scan# 1464
Delta R.T. 0.20 min
Lab File: BF116538.D
Acq: 25 Aug 2019 18:03

Tgt Ion:198 Resp: 561
Ion Ratio Lower Upper
198 100
51 222.5 30.4 70.4#
105 594.2 32.8 72.8#

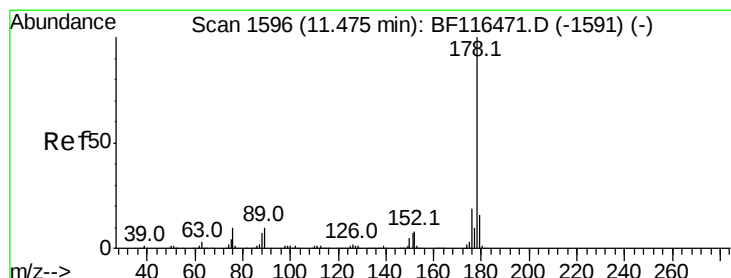
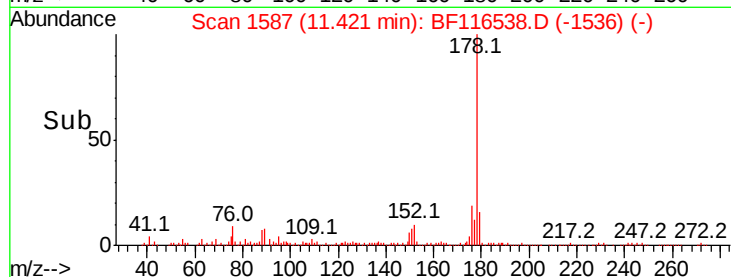
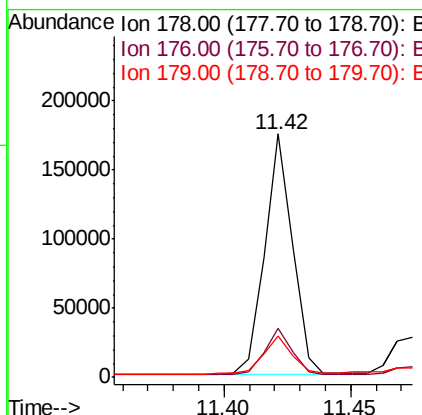
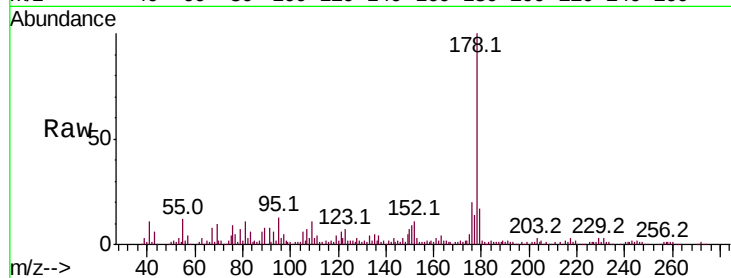




#71
Phenanthrene
Concen: 7.140 ng
RT: 11.42 min Scan# 1587
Delta R.T. -0.00 min
Lab File: BF116538.D
Acq: 25 Aug 2019 18:03

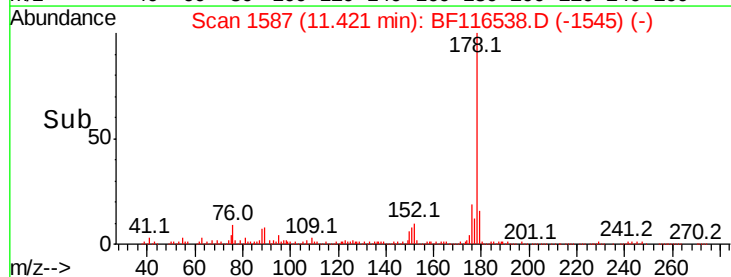
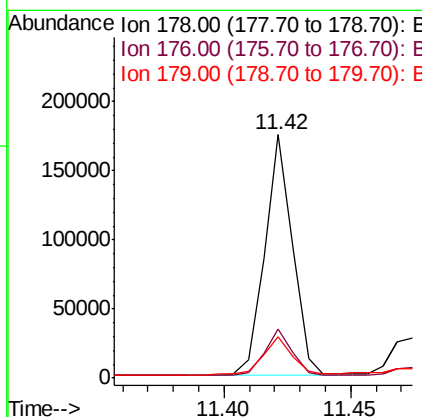
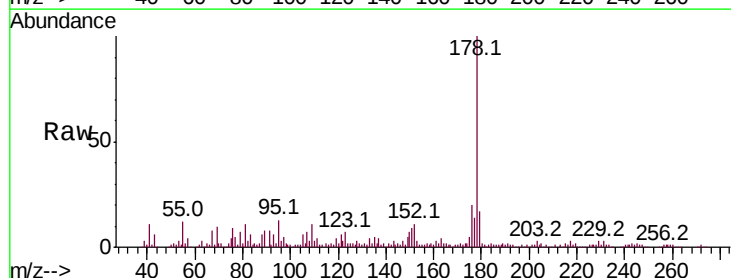
Instrument :
BNA_F
ClientSampleId :

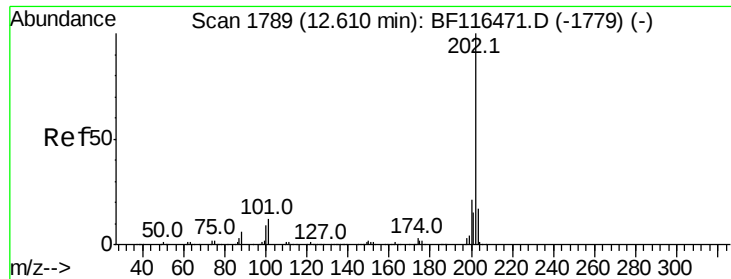
Tot Ion:178 Resp: 132752
Ion Ratio Lower Upper
178 100
176 20.1 15.8 23.6
179 16.9 12.8 19.2



#72
Anthracene
Concen: 7.105 ng
RT: 11.42 min Scan# 1587
Delta R.T. -0.05 min
Lab File: BF116538.D
Acq: 25 Aug 2019 18:03

Tgt Ion:178 Resp: 132752
Ion Ratio Lower Upper
178 100
176 20.1 15.2 22.8
179 16.9 12.5 18.7





#75

Fluoranthene

Concen: 11.696 ng

RT: 12.61 min Scan# 1789

Delta R.T. -0.00 min

Lab File: BF116538.D

Acq: 25 Aug 2019 18:03

Instrument :

BNA_F

ClientSampleId :

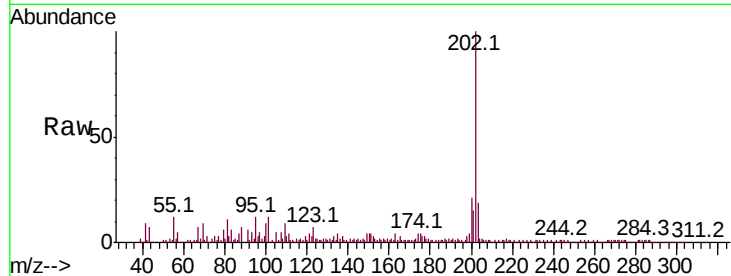
Tot Ion:202 Resp: 224832

Ion Ratio Lower Upper

202 100

101 12.2 0.0 31.5

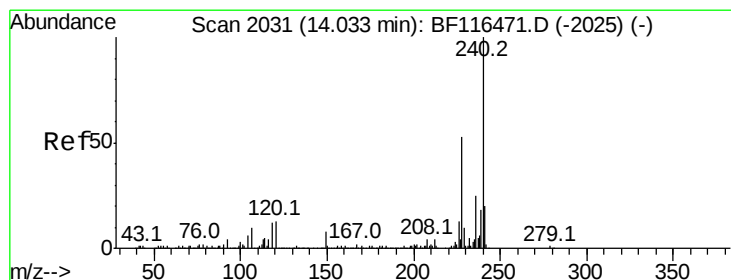
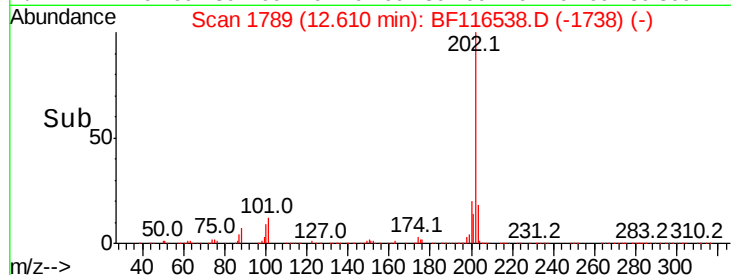
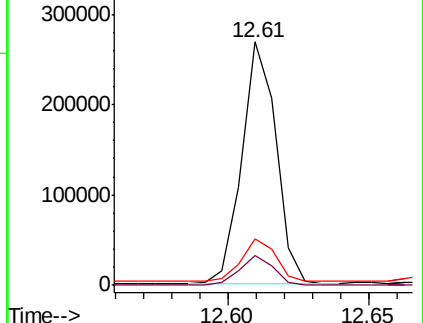
203 19.2 0.0 37.5



Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E



#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.04 min Scan# 2032

Delta R.T. 0.01 min

Lab File: BF116538.D

Acq: 25 Aug 2019 18:03

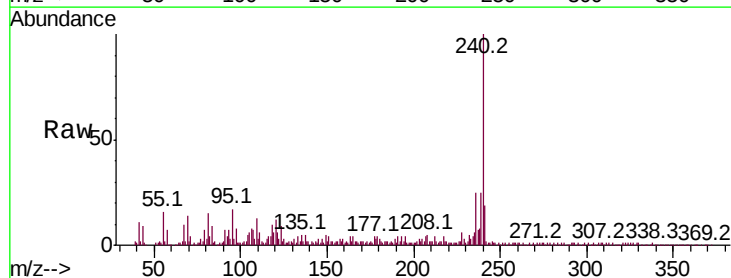
Tgt Ion:240 Resp: 209213

Ion Ratio Lower Upper

240 100

120 11.6 10.5 15.7

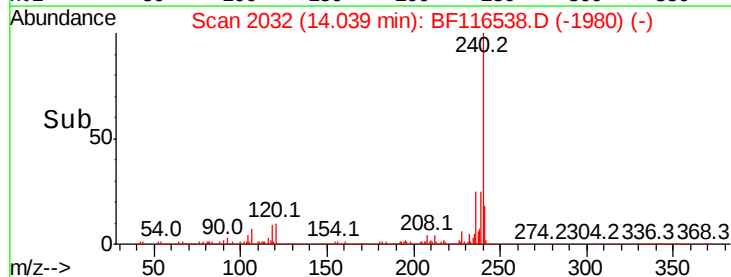
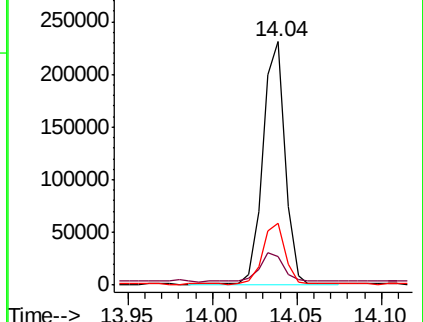
236 25.2 20.2 30.2

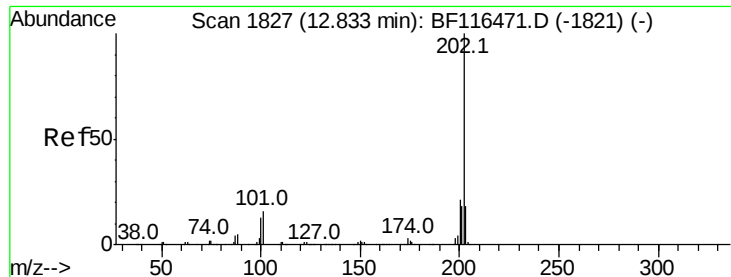


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E

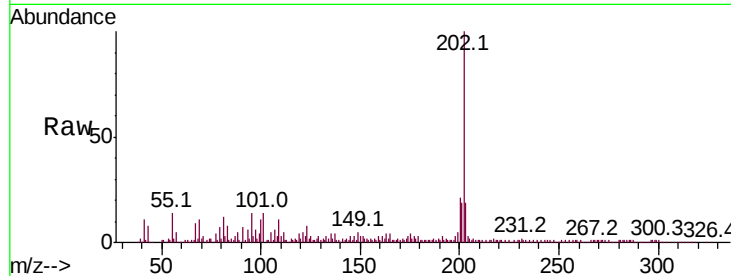




#78
Pvrene
Concen: 11.750 ng
RT: 12.84 min Scan# 1828
Delta R.T. 0.01 min
Lab File: BF116538.D
Acq: 25 Aug 2019 18:03

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
202	100		
200	21.3	17.0	25.4
203	19.2	14.2	21.4

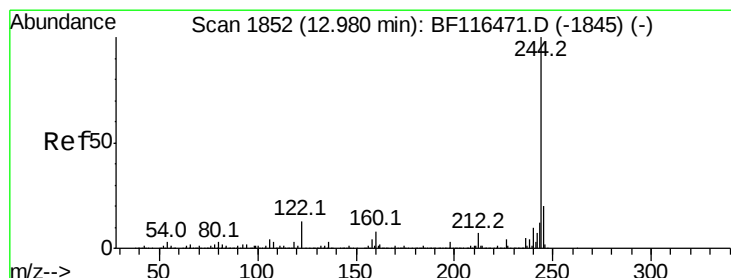
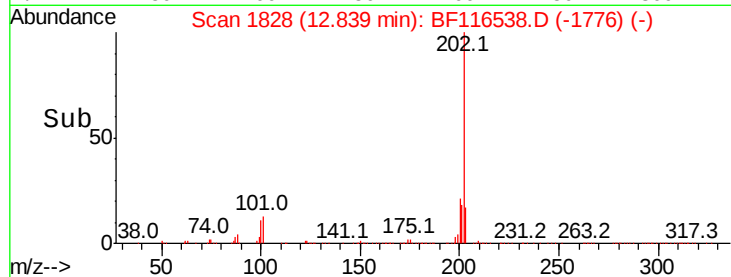
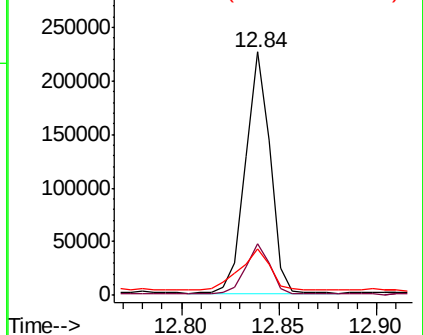


Abundance

Ion 202.00 (201.70 to 202.70): E

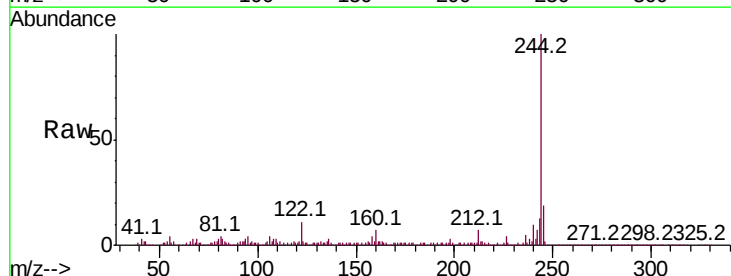
Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E



#79
Terphenyl-d14
Concen: 60.280 ng
RT: 12.99 min Scan# 1853
Delta R.T. 0.01 min
Lab File: BF116538.D
Acq: 25 Aug 2019 18:03

Tgt Ion	Ratio	Lower	Upper
244	100		
212	7.0	5.7	8.5
122	10.8	10.2	15.4

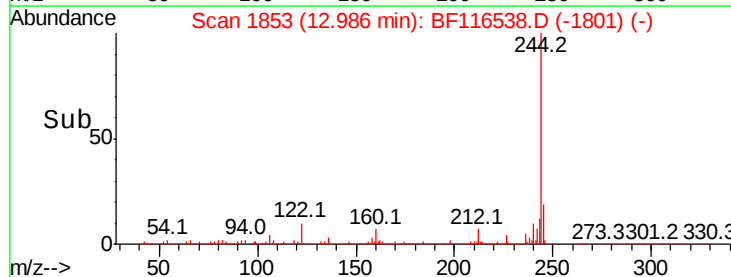
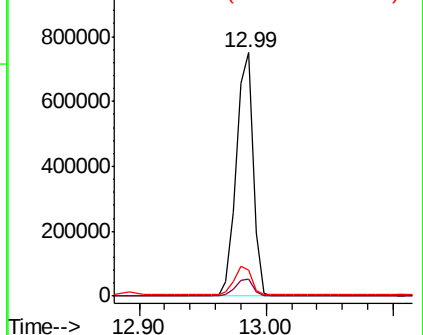


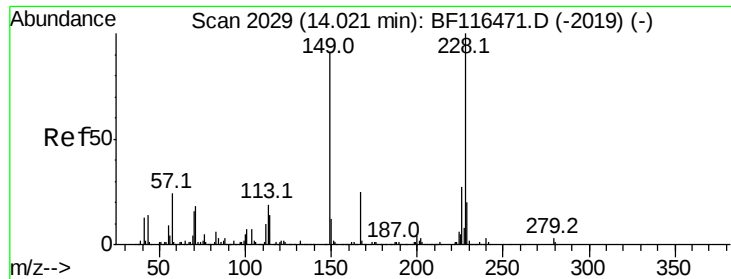
Abundance

Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

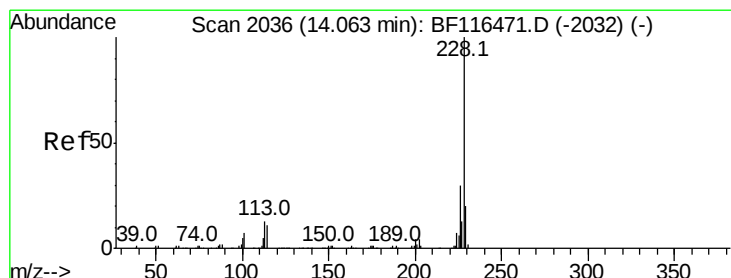
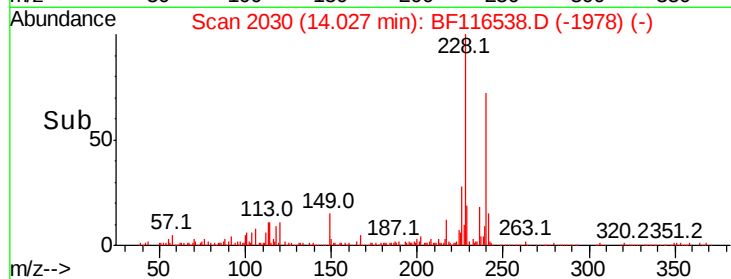
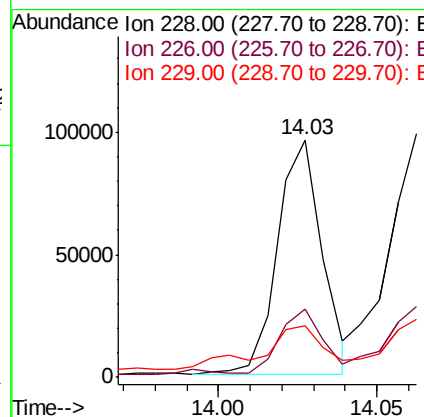
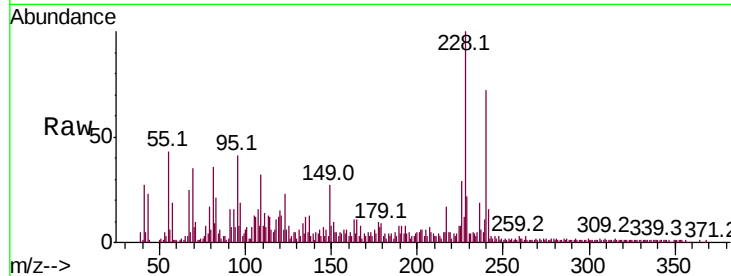




#81
Benzo(a)anthracene
Concen: 6.866 ng
RT: 14.03 min Scan# 2030
Delta R.T. 0.01 min
Lab File: BF116538.D
Acq: 25 Aug 2019 18:03

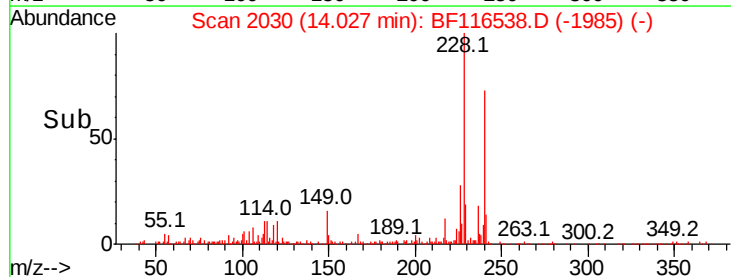
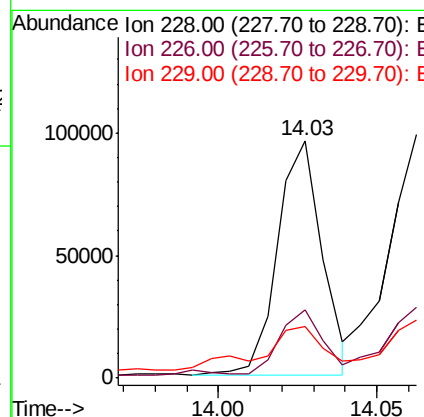
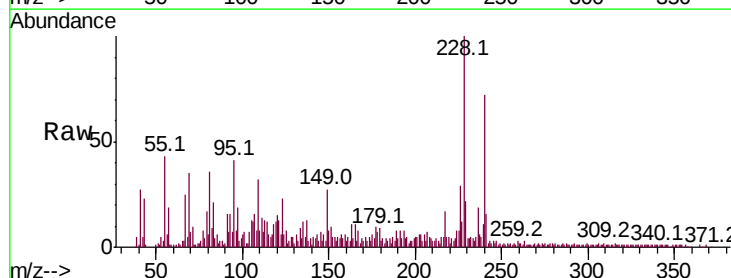
Instrument :
BNA_F
ClientSampleId :

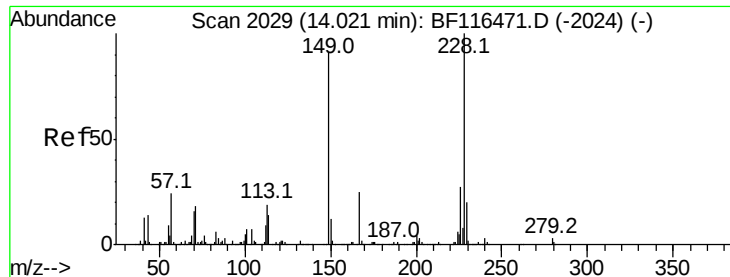
Tot Ion	Ratio	Lower	Upper
228	100		
226	28.9	21.8	32.6
229	21.9	15.9	23.9



#83
Chrysene
Concen: 6.774 ng
RT: 14.03 min Scan# 2030
Delta R.T. -0.04 min
Lab File: BF116538.D
Acq: 25 Aug 2019 18:03

Tgt Ion	Ratio	Lower	Upper
228	100		
226	28.9	24.2	36.2
229	21.9	15.8	23.6





#84

Bis(2-ethylhexyl)phthalate

Concen: 2.952 ng

RT: 14.02 min Scan# 2029

Delta R.T. -0.00 min

Lab File: BF116538.D

Acq: 25 Aug 2019 18:03

Instrument :

BNA_F

ClientSampleId :

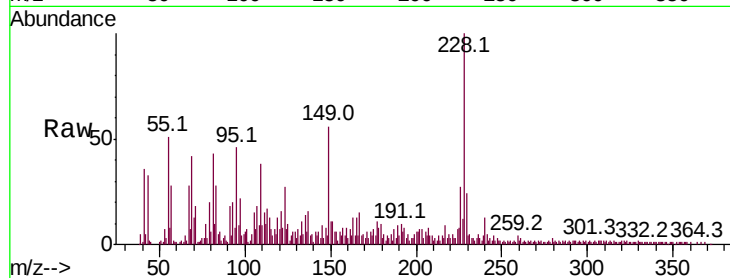
Tot Ion:149 Resp: 28447

Ion Ratio Lower Upper

149 100

167 26.9 21.8 32.6

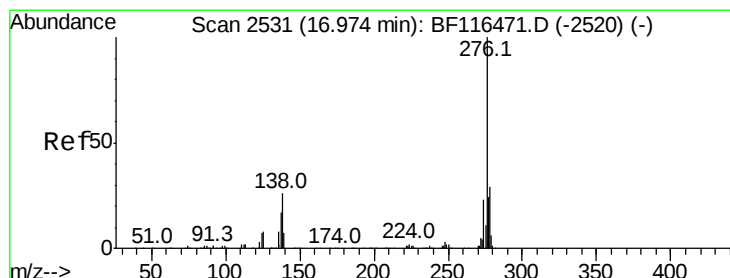
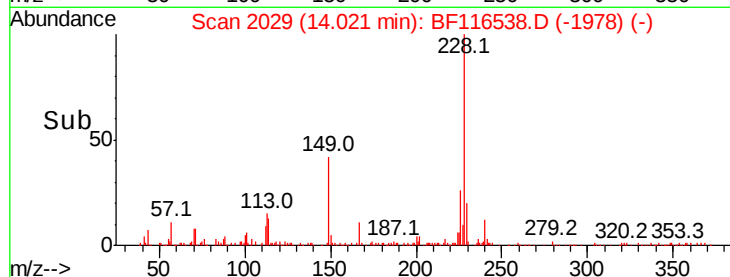
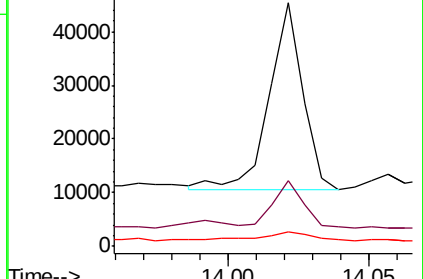
279 6.1 3.0 4.4#



Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E



#86

Indeno(1,2,3-cd)pyrene

Concen: 4.184 ng

RT: 16.98 min Scan# 2532

Delta R.T. 0.01 min

Lab File: BF116538.D

Acq: 25 Aug 2019 18:03

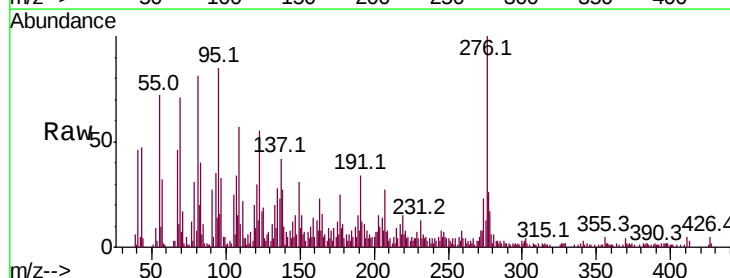
Tgt Ion:276 Resp: 49226

Ion Ratio Lower Upper

276 100

138 25.9 22.9 34.3

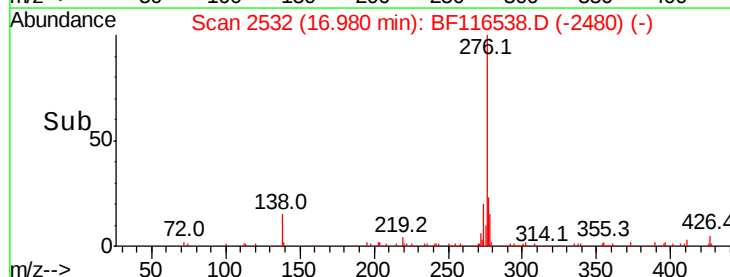
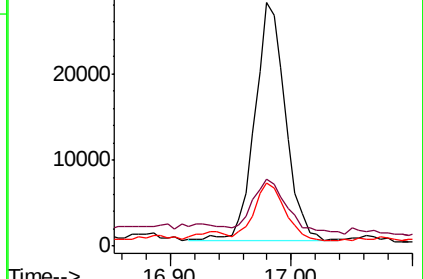
277 24.9 19.9 29.9

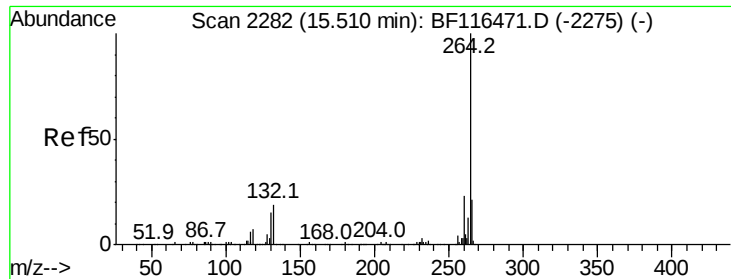


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E

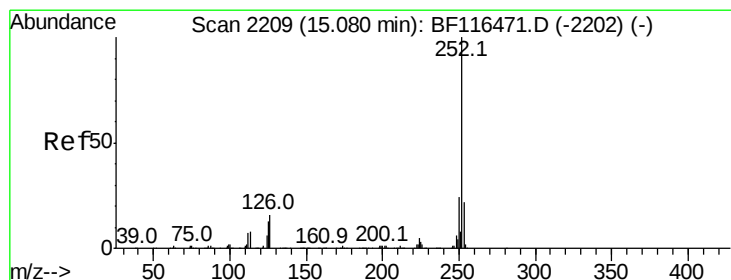
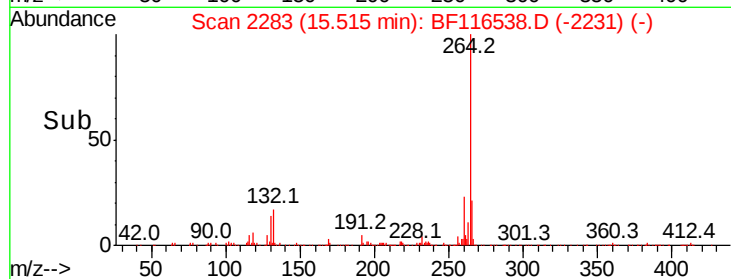
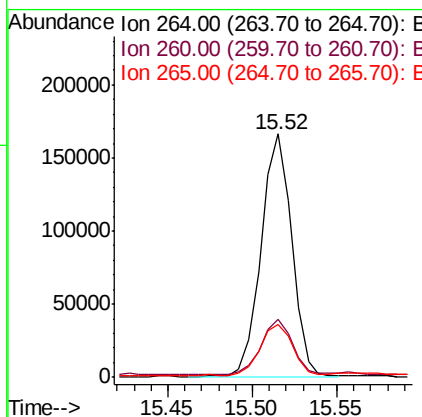
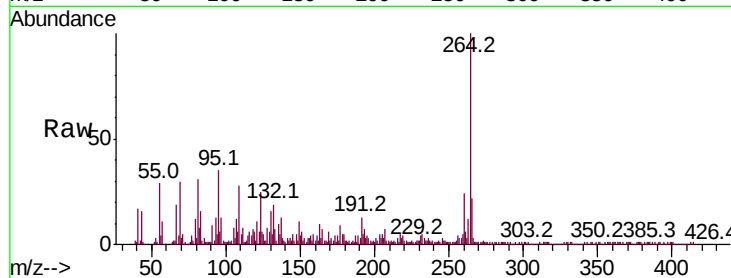




#87
Pervlene-d12
Concen: 20.000 ng
RT: 15.52 min Scan# 2283
Delta R.T. 0.01 min
Lab File: BF116538.D
Acq: 25 Aug 2019 18:03

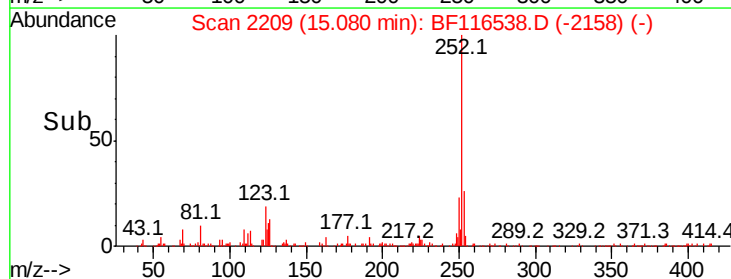
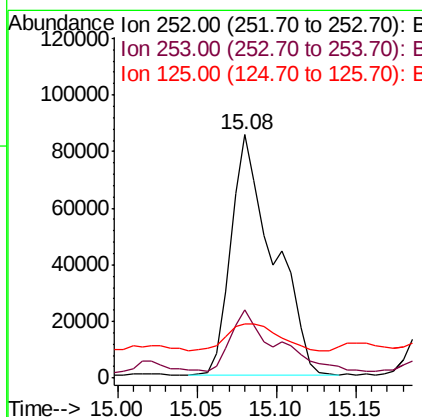
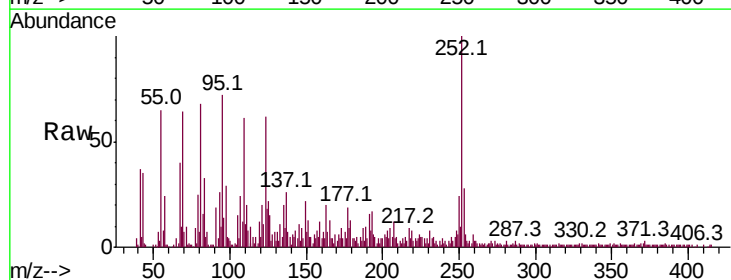
Instrument :
BNA_F
ClientSampleId :

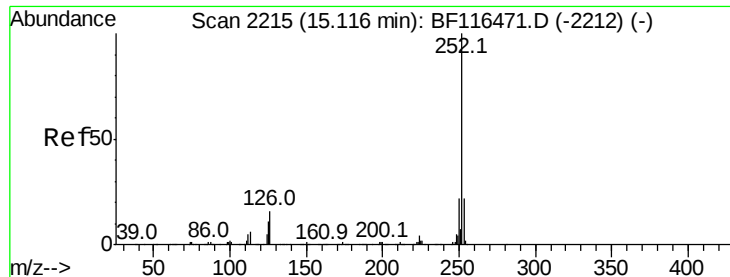
Tot Ion	Ratio	Lower	Upper
264	100		
260	24.0	18.8	28.2
265	21.6	17.1	25.7



#88
Benzo(b)fluoranthene
Concen: 12.334 ng
RT: 15.08 min Scan# 2209
Delta R.T. -0.00 min
Lab File: BF116538.D
Acq: 25 Aug 2019 18:03

Tgt Ion	Ratio	Lower	Upper
252	100		
253	28.0	17.5	26.3#
125	22.4	10.1	15.1#

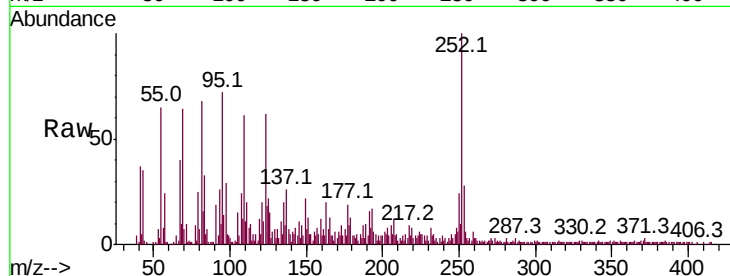




#89
Benzo(k)fluoranthene
Concen: 13.615 ng
RT: 15.08 min Scan# 2209
Delta R.T. -0.04 min
Lab File: BF116538.D
Acq: 25 Aug 2019 18:03

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
252	100		
253	28.0	17.4	26.2#
125	22.4	9.1	13.7#

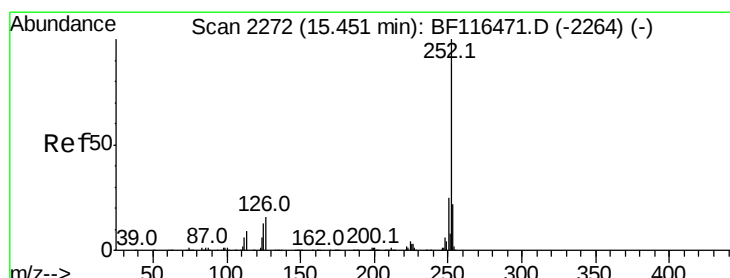
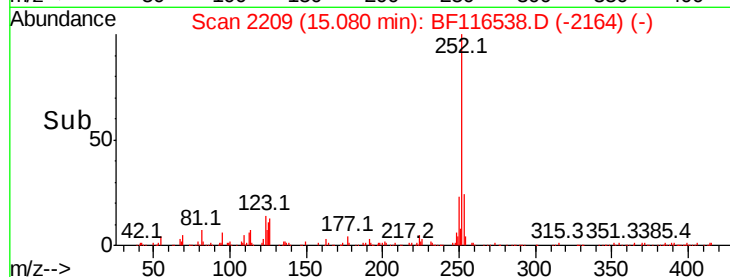
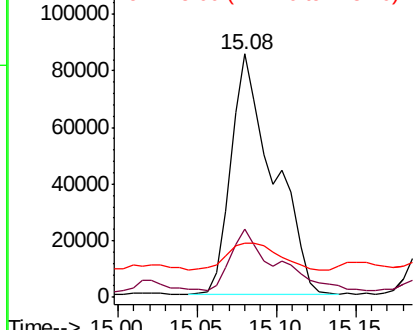


Abundance

Ion 252.00 (251.70 to 252.70): E

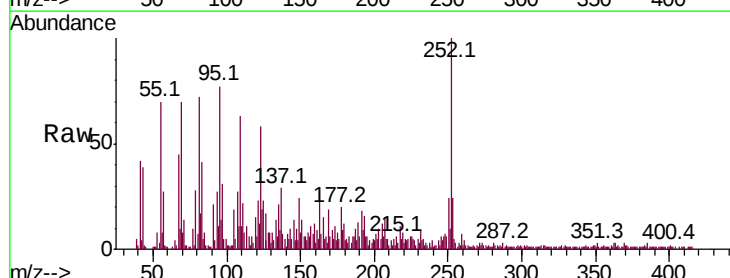
Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



#90
Benzo(a)pyrene
Concen: 7.113 ng
RT: 15.45 min Scan# 2272
Delta R.T. -0.00 min
Lab File: BF116538.D
Acq: 25 Aug 2019 18:03

Tgt Ion	Ratio	Lower	Upper
252	100		
253	24.2	17.2	25.8
125	23.3	10.2	15.4#

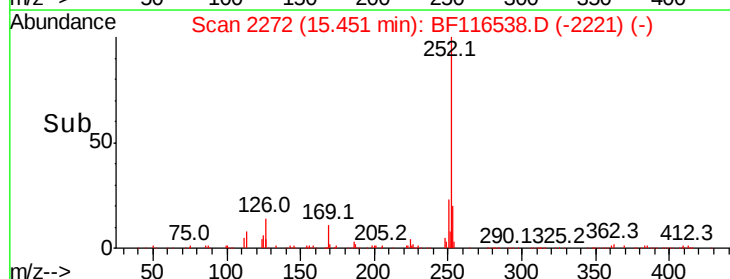
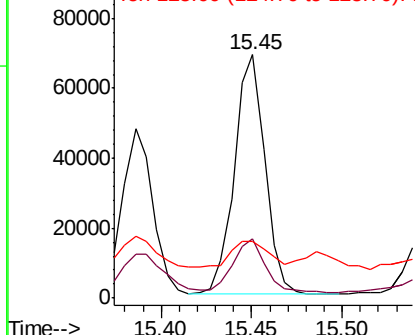


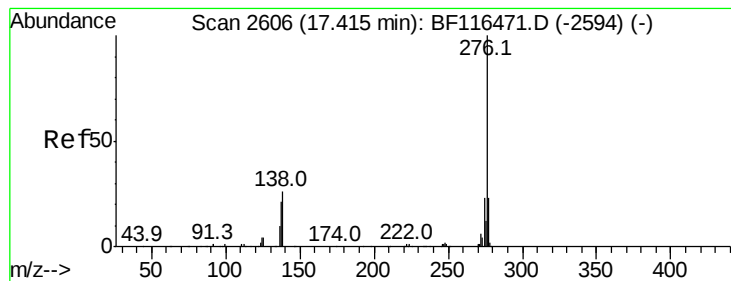
Abundance

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





#92

Benzo(a,h,i)perylene

Concen: 5.732 ng

RT: 17.42 min Scan# 2607

Delta R.T. 0.01 min

Lab File: BF116538.D

Acq: 25 Aug 2019 18:03

Instrument :

BNA_F

ClientSampleId :

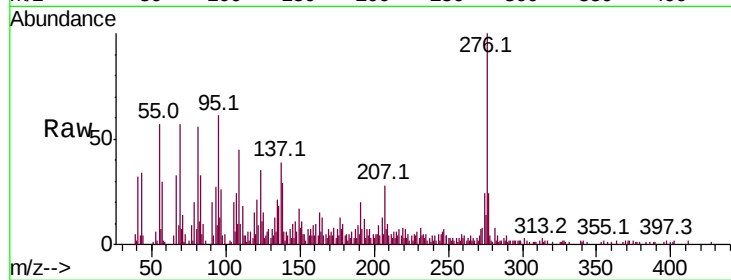
Tot Ion:276 Resp: 50911

Ion Ratio Lower Upper

276 100

277 24.0 18.7 28.1

138 28.5 20.8 31.2



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

