

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF082519\
 Data File : BF116541.D
 Acq On : 25 Aug 2019 19:24
 Operator : HP/JU
 Sample : K4499-01
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Aug 26 06:30:12 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	125776	20.00	ng	0.00
21) Naphthalene-d8	8.17	136	467791	20.00	ng	0.00
39) Acenaphthene-d10	9.92	164	212132	20.00	ng	0.00
64) Phenanthrene-d10	11.40	188	296059	20.00	ng	0.00
76) Chrysene-d12	14.04	240	192325	20.00	ng	0.00
87) Perylene-d12	15.51	264	182052	20.00	ng	0.00

System Monitoring Compounds						
5) 2-Fluorophenol	5.52	112	622981	72.37	ng	0.02
7) Phenol-d6	6.52	99	827713	78.42	ng	0.01
23) Nitrobenzene-d5	7.45	82	502347	58.75	ng	0.00
42) 2,4,6-Tribromophenol	10.70	330	100872	55.38	ng	0.00
45) 2-Fluorobiphenyl	9.24	172	936884	71.12	ng	0.00
79) Terphenyl-d14	12.99	244	648060	62.94	ng	0.00

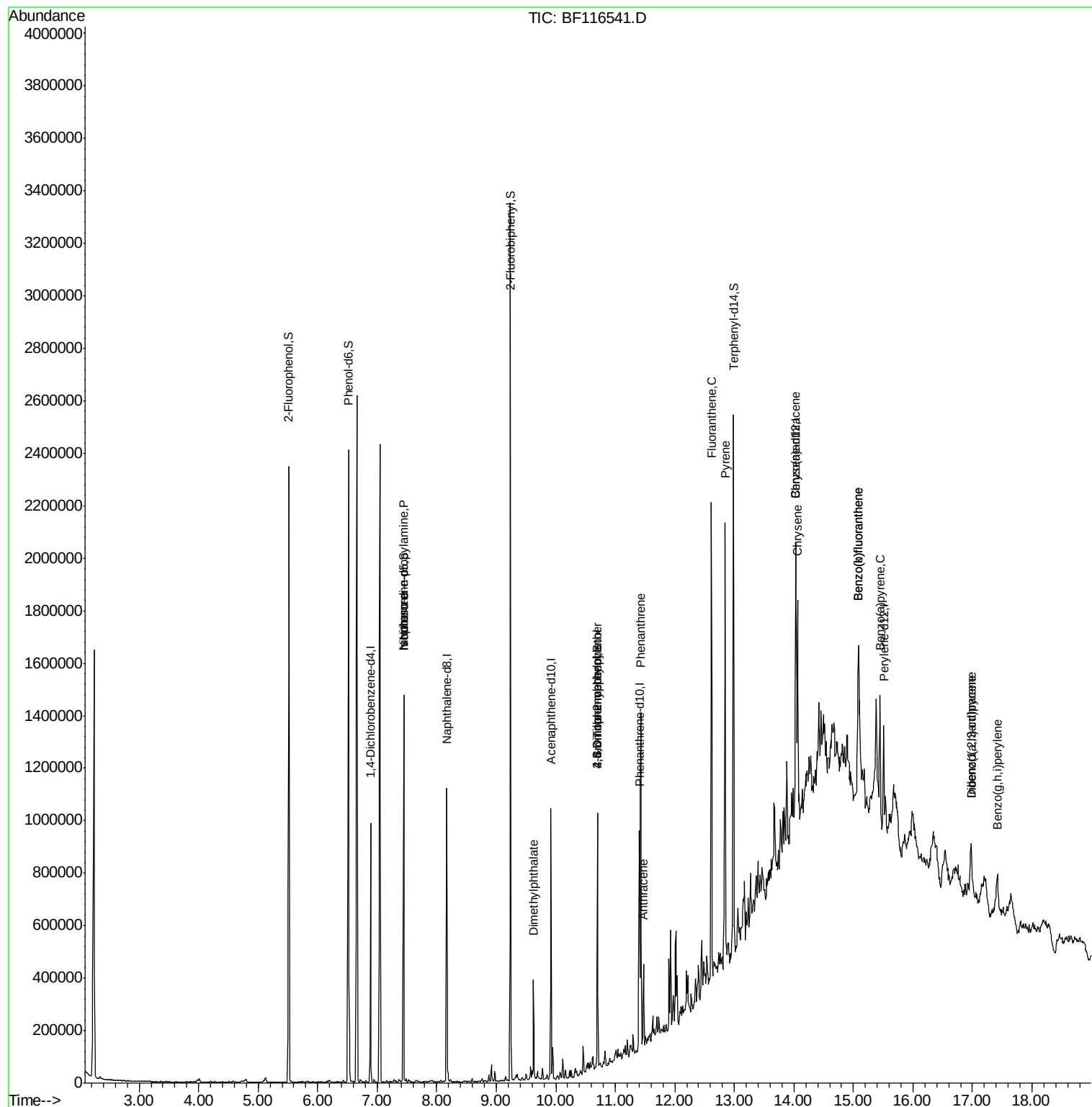
Target Compounds				Qvalue		
19) n-Nitroso-di-n-propylamine	7.45	70	68454	9.505	ng	# 77
25) Isophorone	7.45	82	500016	29.675	ng	# 67
50) Dimethylphthalate	9.63	163	131609	8.892	ng	98
65) 4,6-Dinitro-2-methylphenol	10.70	198	280	7.202	ng	# 1
67) 4-Bromophenyl-phenylether	10.70	248	6633	2.137	ng	# 1
71) Phenanthrene	11.43	178	449532	27.873	ng	99
72) Anthracene	11.47	178	100708	6.214	ng	98
75) Fluoranthene	12.62	202	665793	39.929	ng	99
78) Pyrene	12.84	202	635064	41.290	ng	99
81) Benzo(a)anthracene	14.03	228	318046	25.533	ng	97
83) Chrysene	14.06	228	289855	22.958	ng	97
86) Indeno(1,2,3-cd)pyrene	16.97	276	112794	10.429	ng	# 92
88) Benzo(b)fluoranthene	15.08	252	393540	34.993	ng	96
89) Benzo(k)fluoranthene	15.08	252	393540	38.626	ng	# 95
90) Benzo(a)pyrene	15.44	252	200387	20.161	ng	94
91) Dibenzo(a,h)anthracene	16.99	278	30262	3.705	ng	# 78
92) Benzo(a,h,i)perylene	17.42	276	103085	13.239	ng	96

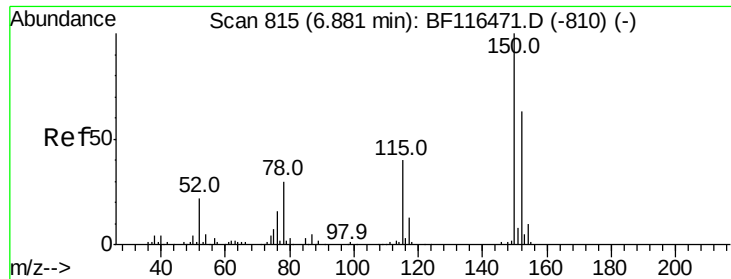
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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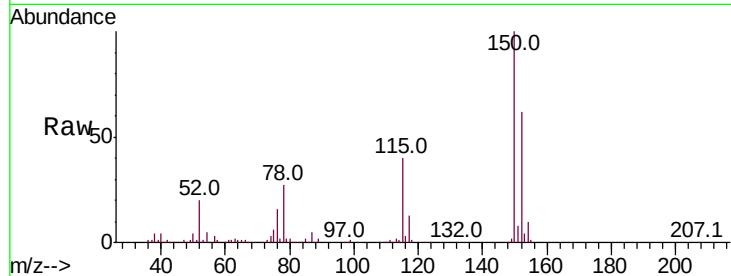


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.89 min Scan# 816
Delta R.T. 0.01 min
Lab File: BF116541.D
Acq: 25 Aug 2019 19:24

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
152	100		
150	160.5	126.7	190.1
115	64.8	50.9	76.3

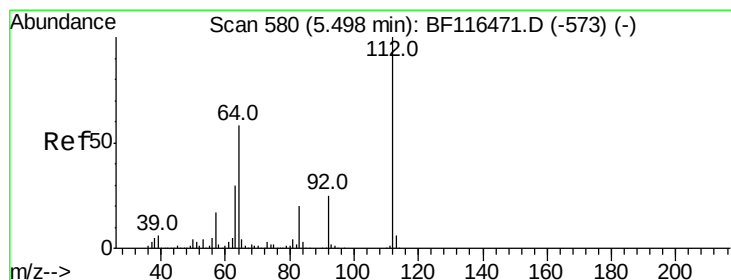
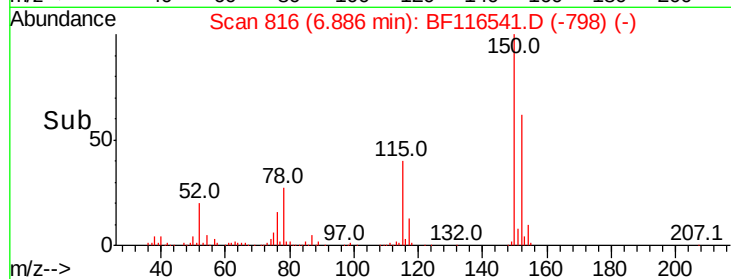
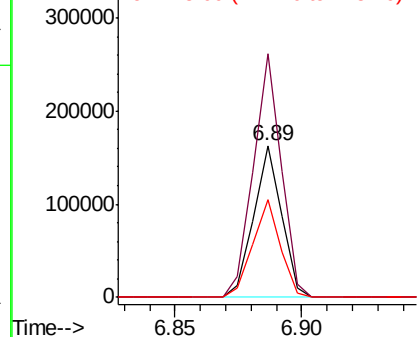


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

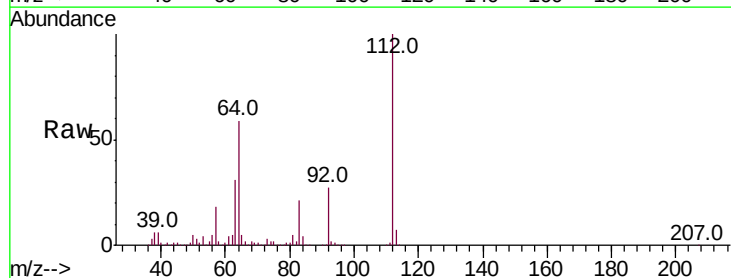
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 72.372 ng
RT: 5.52 min Scan# 583
Delta R.T. 0.02 min
Lab File: BF116541.D
Acq: 25 Aug 2019 19:24

Tgt Ion	Ratio	Lower	Upper
112	100		
64	59.5	46.3	69.5
63	31.1	24.2	36.4

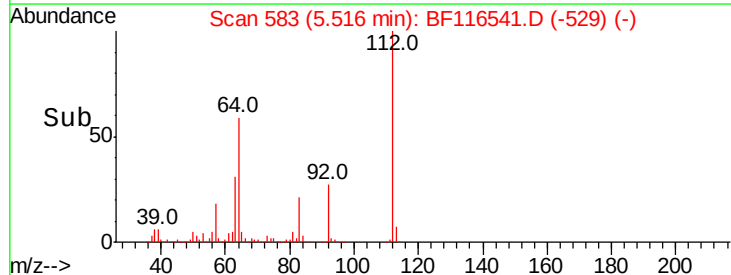
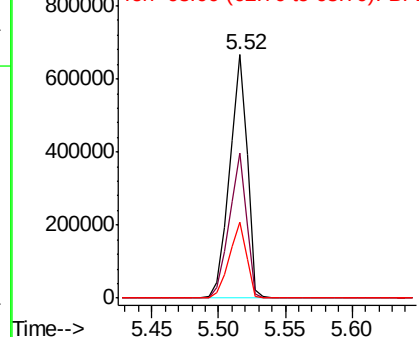


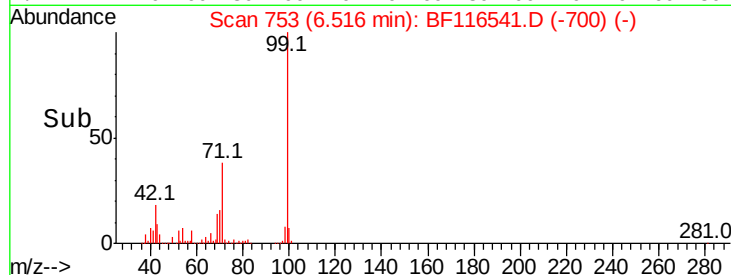
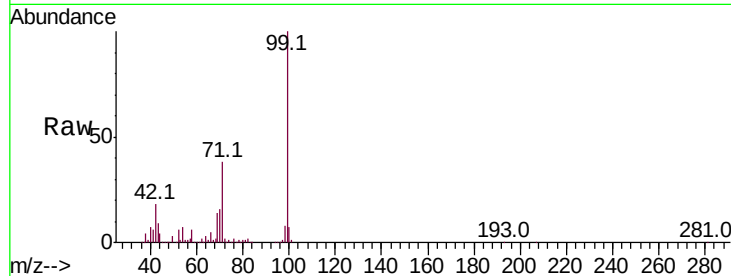
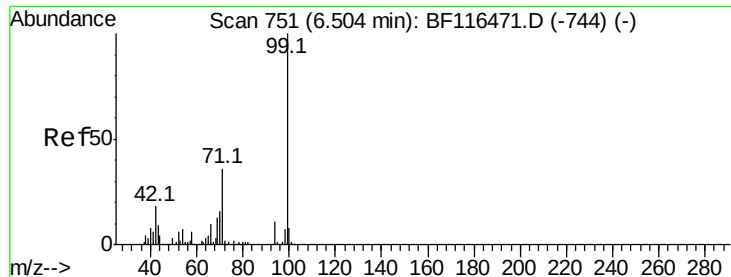
Abundance

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: 78.421 ng

RT: 6.52 min Scan# 753

Delta R.T. 0.01 min

Lab File: BF116541.D

Acq: 25 Aug 2019 19:24

Instrument :

BNA_F

ClientSampleId :

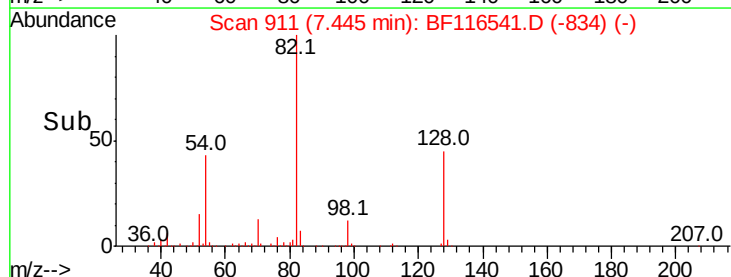
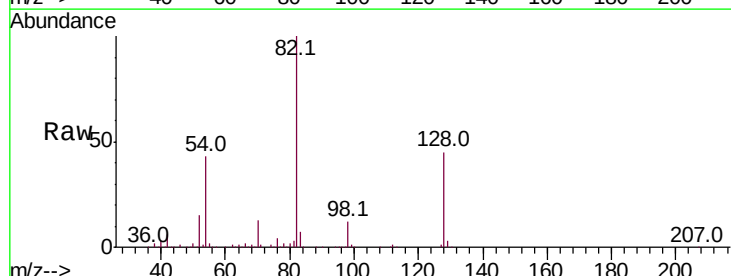
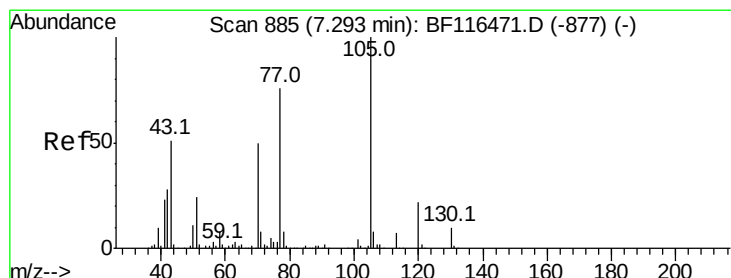
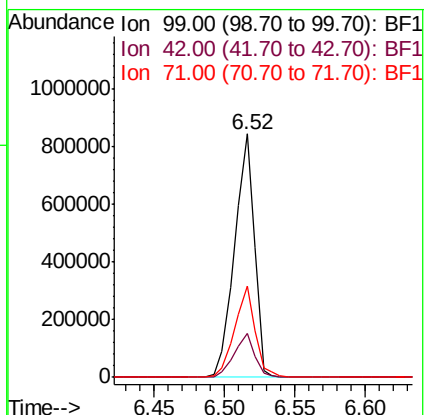
Tot Ion: 99 Resp: 827713

Ion Ratio Lower Upper

99 100

42 18.1 14.6 21.8

71 37.6 28.5 42.7



#19

n-Nitroso-di-n-propylamine

Concen: 9.505 ng

RT: 7.45 min Scan# 911

Delta R.T. 0.15 min

Lab File: BF116541.D

Acq: 25 Aug 2019 19:24

Tgt Ion: 70 Resp: 68454

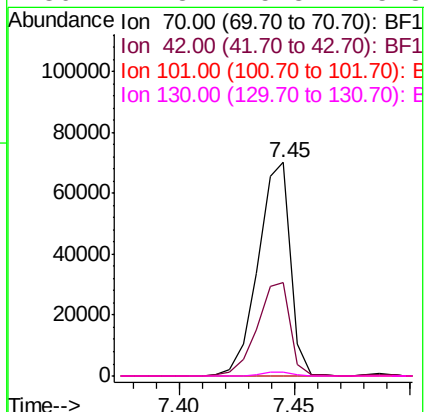
Ion Ratio Lower Upper

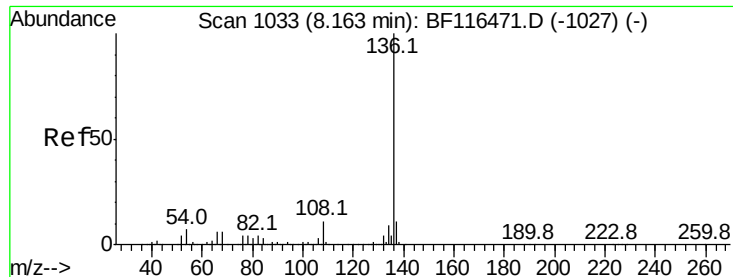
70 100

42 43.7 44.4 66.6#

101 0.0 7.1 10.7#

130 1.8 15.8 23.8#





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.17 min Scan# 1034

Delta R.T. 0.01 min

Lab File: BF116541.D

Acq: 25 Aug 2019 19:24

Instrument :

BNA_F

ClientSampleId :

Tot Ion:136 Resp: 467791

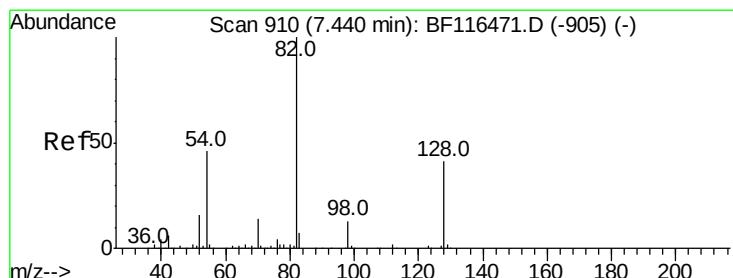
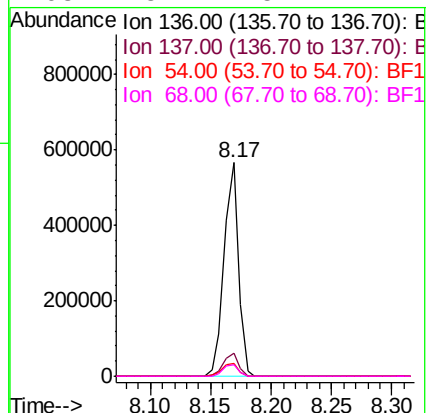
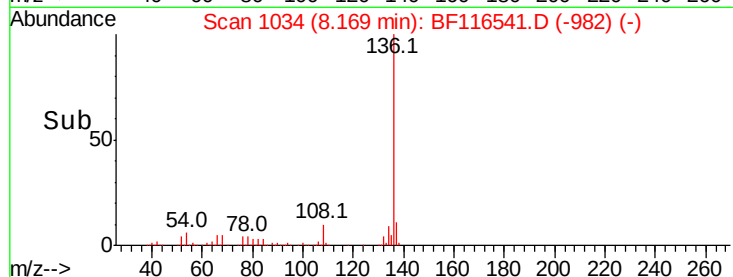
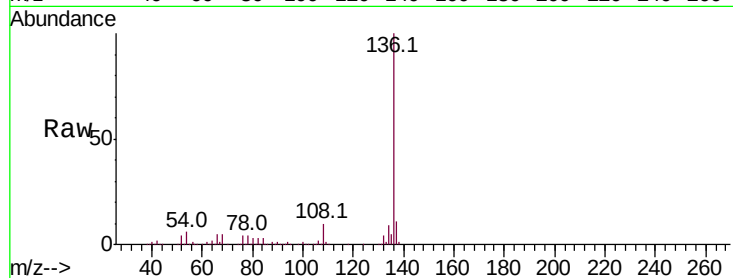
Ion Ratio Lower Upper

136 100

137 10.6 9.0 13.4

54 6.1 5.8 8.6

68 5.4 5.1 7.7



#23

Nitrobenzene-d5

Concen: 58.751 ng

RT: 7.45 min Scan# 911

Delta R.T. 0.01 min

Lab File: BF116541.D

Acq: 25 Aug 2019 19:24

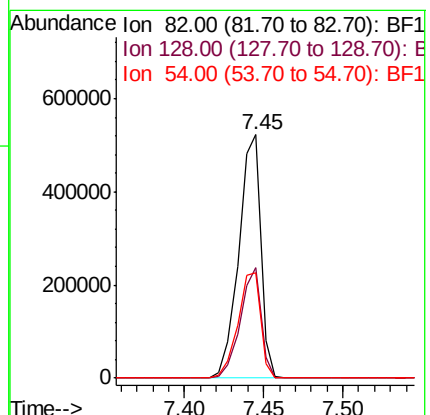
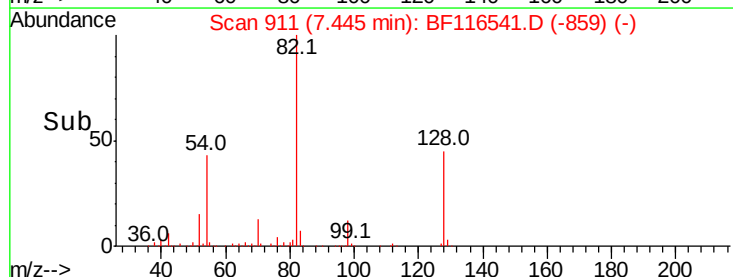
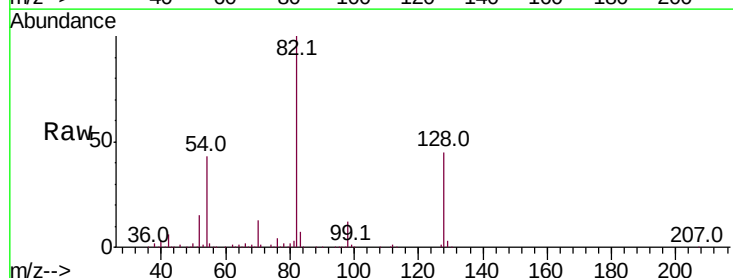
Tgt Ion: 82 Resp: 502347

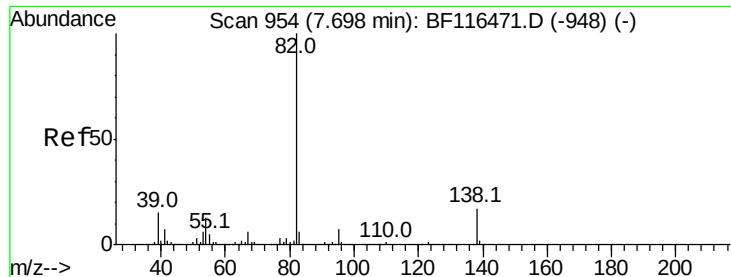
Ion Ratio Lower Upper

82 100

128 45.2 32.2 48.4

54 43.5 36.5 54.7





#25

Isophorone

Concen: 29.675 ng

RT: 7.45 min Scan# 911

Delta R.T. -0.25 min

Lab File: BF116541.D

Acq: 25 Aug 2019 19:24

Instrument :
BNA_F
ClientSampleId :

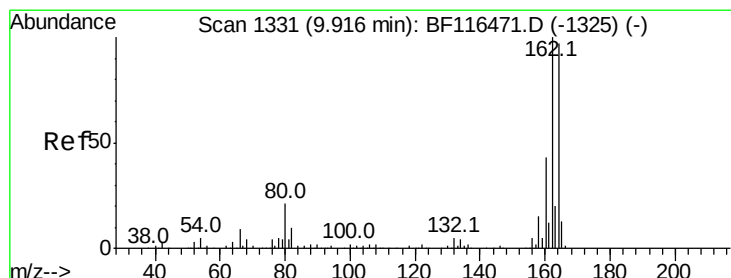
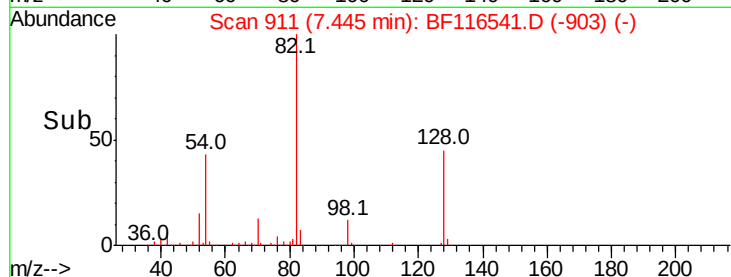
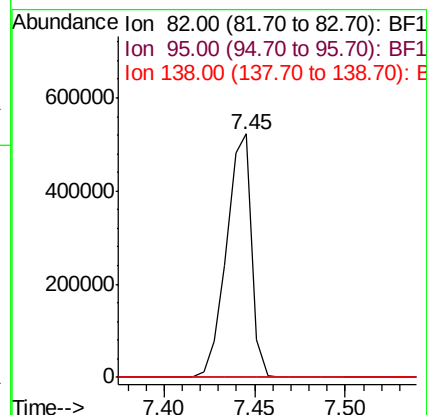
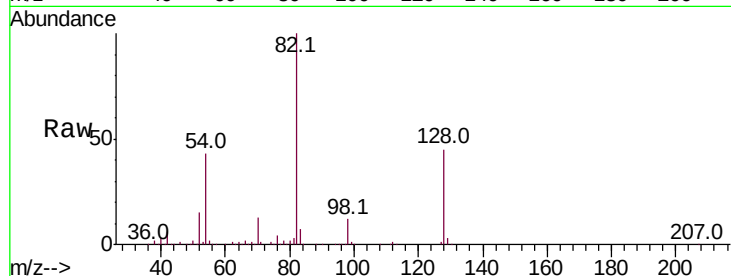
Tot Ion: 82 Resp: 500016

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: BF116541.D

Acq: 25 Aug 2019 19:24

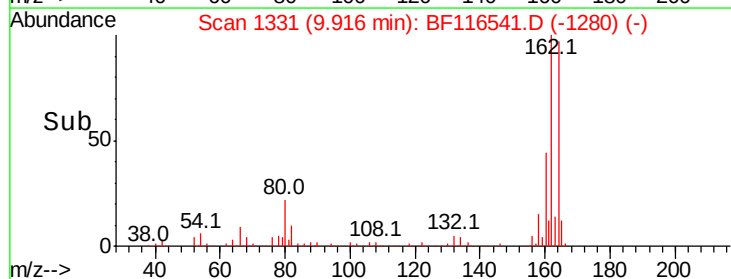
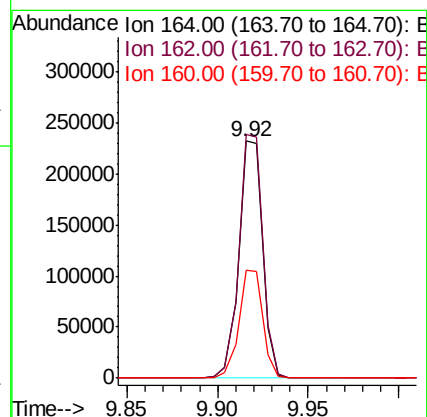
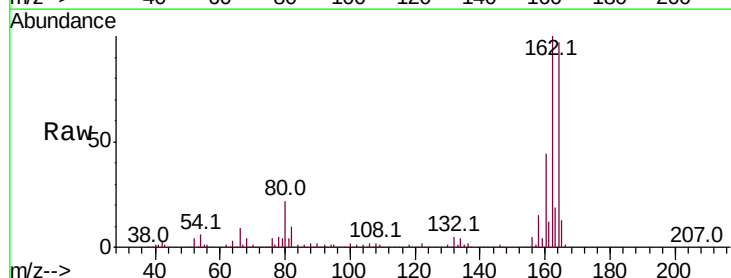
Tgt Ion:164 Resp: 212132

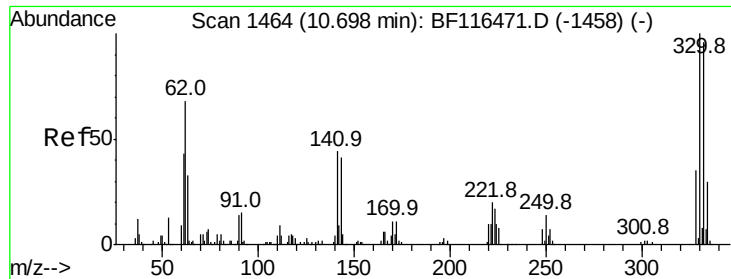
Ion Ratio Lower Upper

164 100

162 102.9 82.6 123.8

160 45.5 35.8 53.8





#42

2,4,6-Tribromophenol

Concen: 55.378 ng

RT: 10.70 min Scan# 1465

Delta R.T. 0.01 min

Lab File: BF116541.D

Acq: 25 Aug 2019 19:24

Instrument :

BNA_F

ClientSampleId :

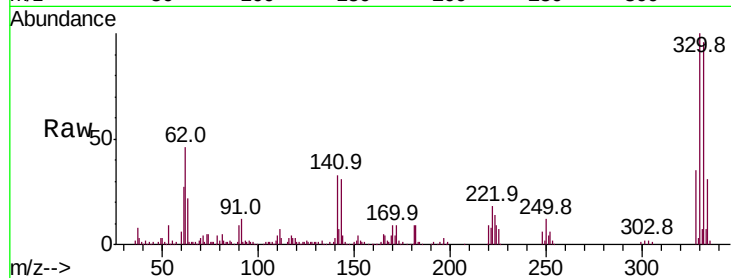
Tot Ion:330 Resp: 100872

Ion Ratio Lower Upper

330 100

332 95.9 77.2 115.8

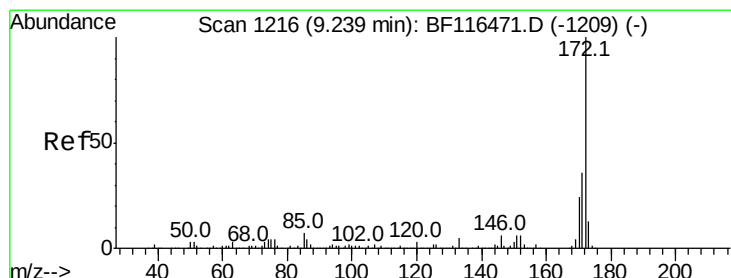
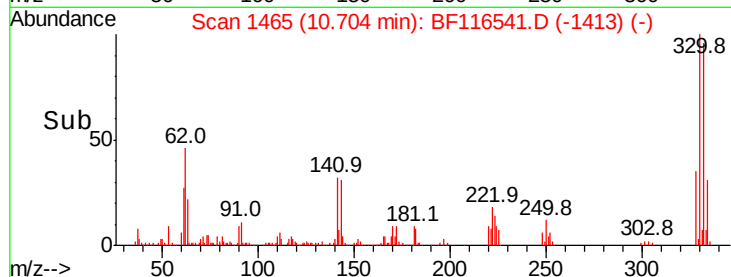
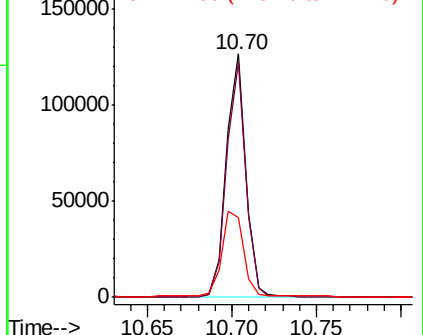
141 40.5 33.3 49.9



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: 71.124 ng

RT: 9.24 min Scan# 1216

Delta R.T. -0.00 min

Lab File: BF116541.D

Acq: 25 Aug 2019 19:24

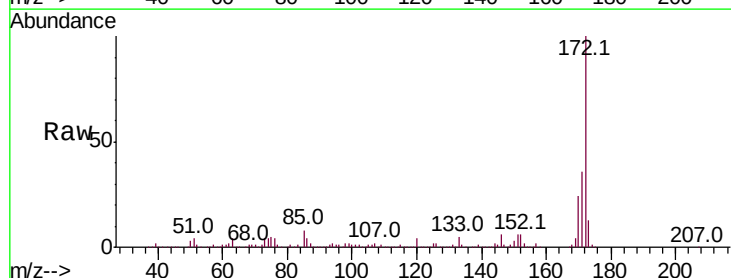
Tgt Ion:172 Resp: 936884

Ion Ratio Lower Upper

172 100

171 35.6 28.9 43.3

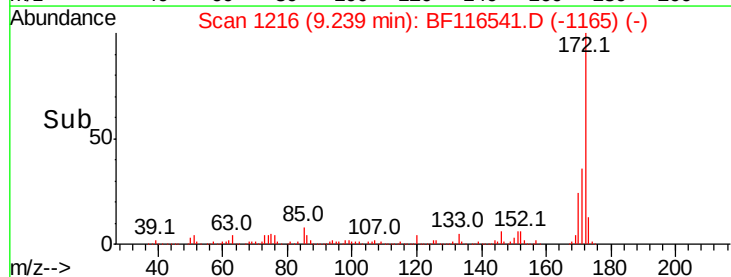
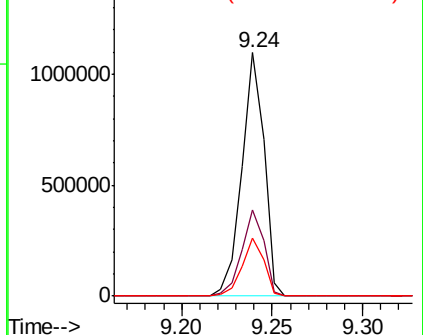
170 24.0 19.4 29.0

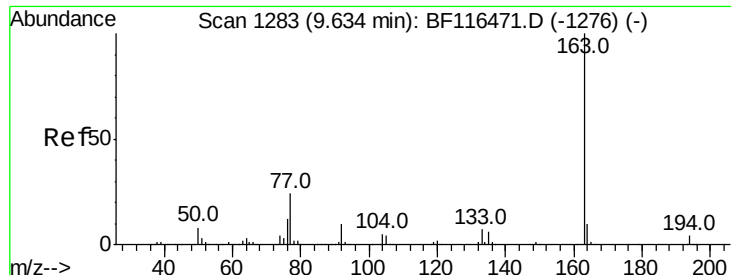


Abundance Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E

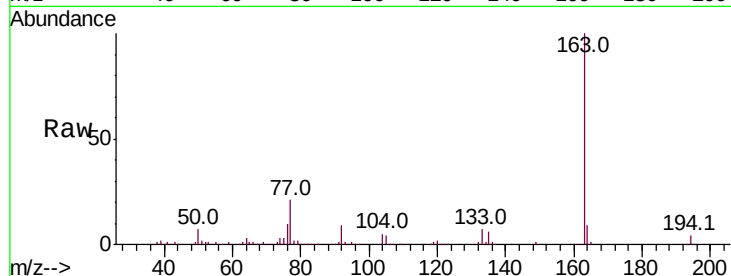




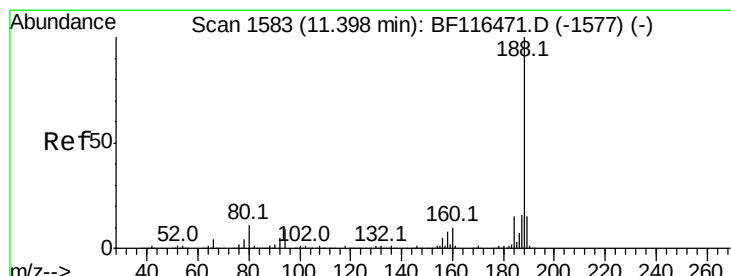
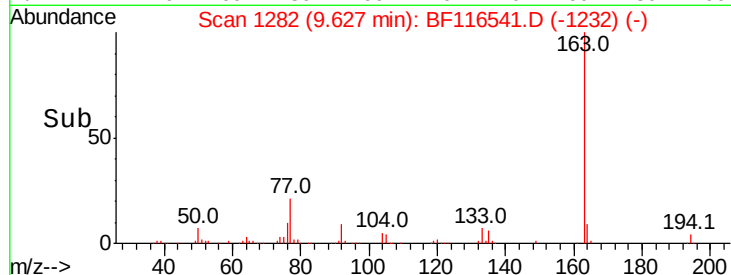
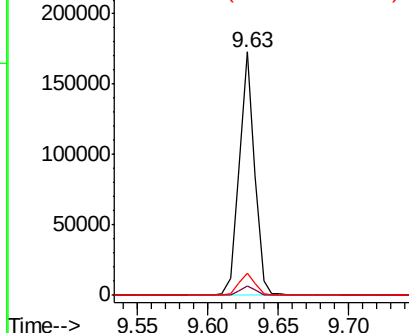
#50
Dimethylphthalate
Concen: 8.892 ng
RT: 9.63 min Scan# 1282
Delta R.T. -0.01 min
Lab File: BF116541.D
Acq: 25 Aug 2019 19:24

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
163	100		
194	3.7	2.9	4.3
164	9.4	8.2	12.2

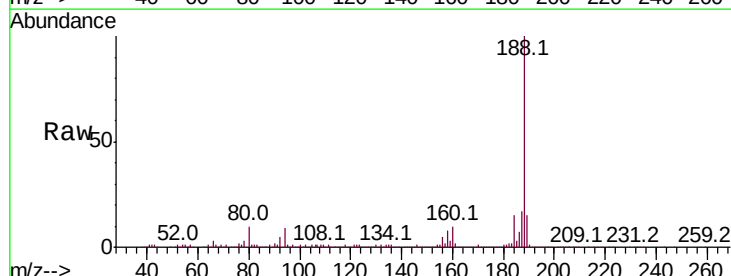


Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

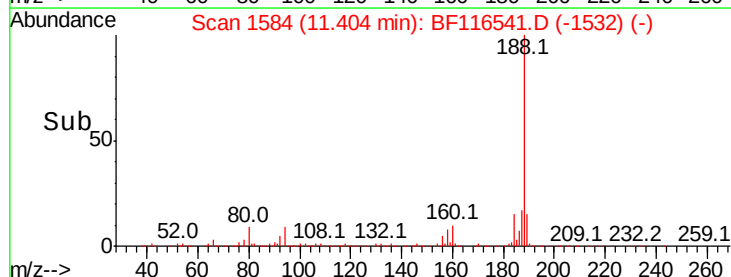
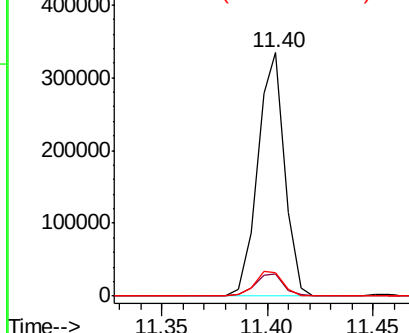


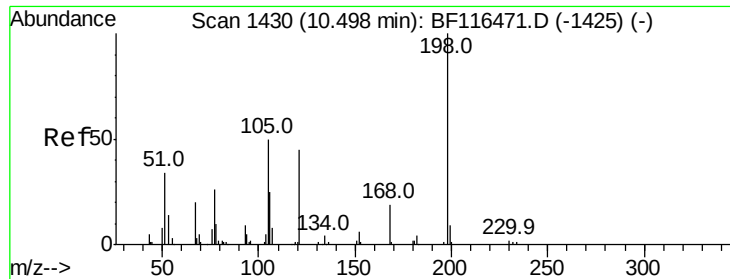
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.40 min Scan# 1584
Delta R.T. 0.01 min
Lab File: BF116541.D
Acq: 25 Aug 2019 19:24

Tgt Ion	Ratio	Lower	Upper
188	100		
94	9.0	7.4	11.2
80	9.6	8.6	12.8



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

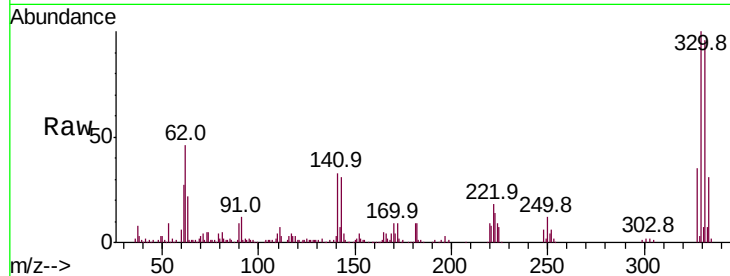




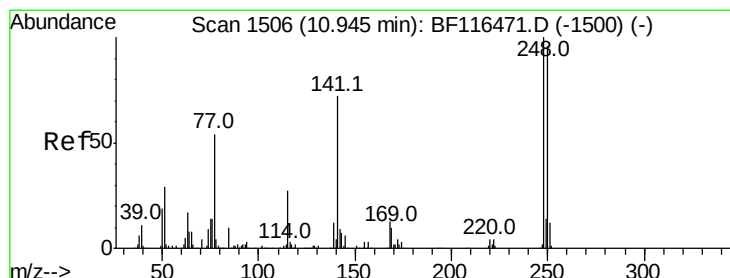
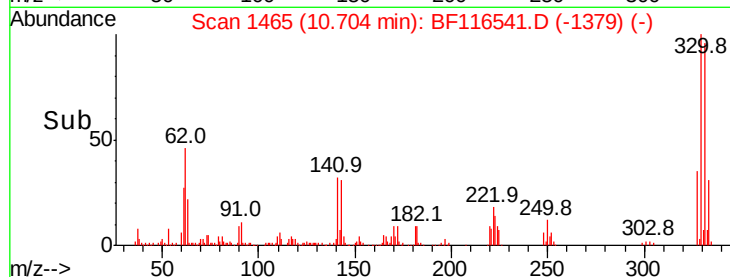
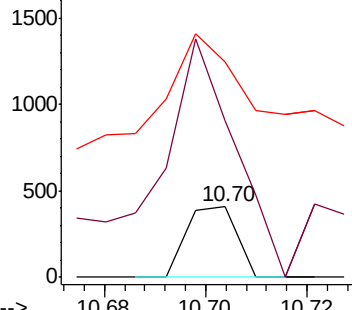
#65
 4,6-Dinitro-2-methylphenol
 Concen: 7.202 ng
 RT: 10.70 min Scan# 1465
 Delta R.T. 0.21 min
 Lab File: BF116541.D
 Acq: 25 Aug 2019 19:24

Instrument :
 BNA_F
 ClientSampled :

Tot Ion	Ratio	Lower	Upper
198	100		
51	222.0	30.4	70.4#
105	304.9	32.8	72.8#

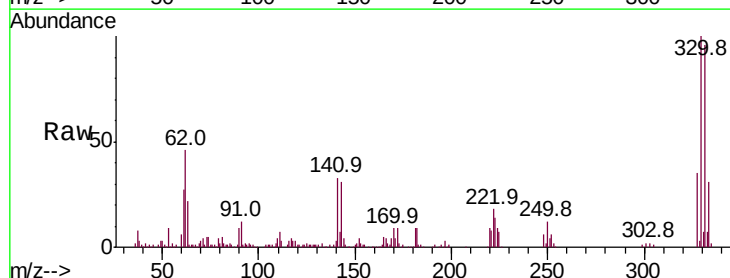


Abundance Ion 198.00 (197.70 to 198.70): E
 Ion 51.00 (50.70 to 51.70): BF1
 Ion 105.00 (104.70 to 105.70): E

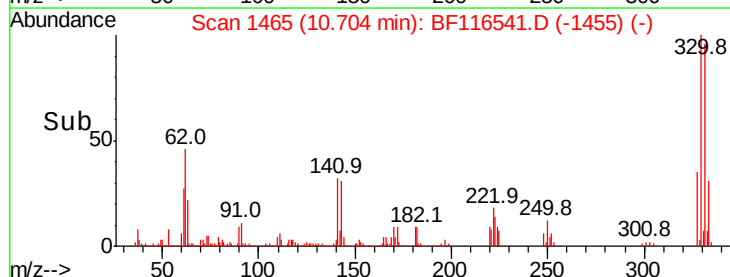
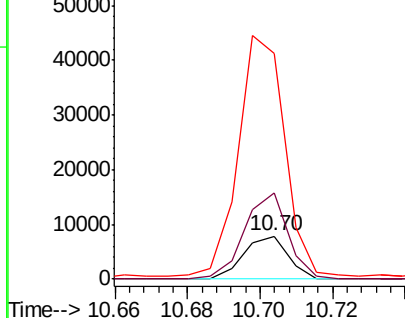


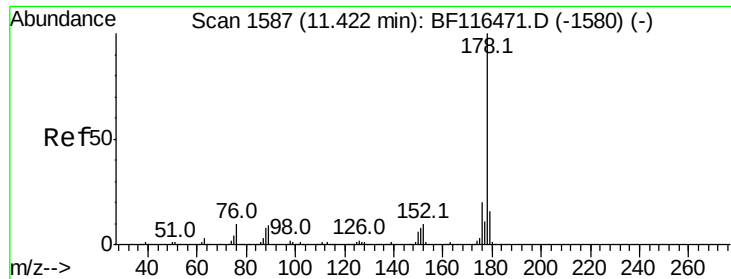
#67
 4-Bromophenyl-phenylether
 Concen: 2.137 ng
 RT: 10.70 min Scan# 1465
 Delta R.T. -0.24 min
 Lab File: BF116541.D
 Acq: 25 Aug 2019 19:24

Tgt Ion	Ratio	Lower	Upper
248	100		
250	201.6	77.0	115.6#
141	530.1	57.4	86.0#



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: 27.873 ng

RT: 11.43 min Scan# 1588

Delta R.T. 0.01 min

Lab File: BF116541.D

Acq: 25 Aug 2019 19:24

Instrument :

BNA_F

ClientSampleId :

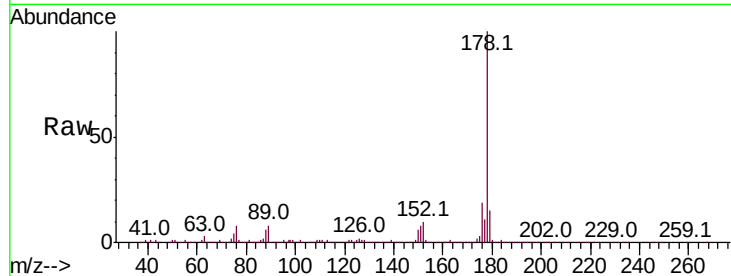
Tot Ion:178 Resp: 449532

Ion Ratio Lower Upper

178 100

176 19.0 15.8 23.6

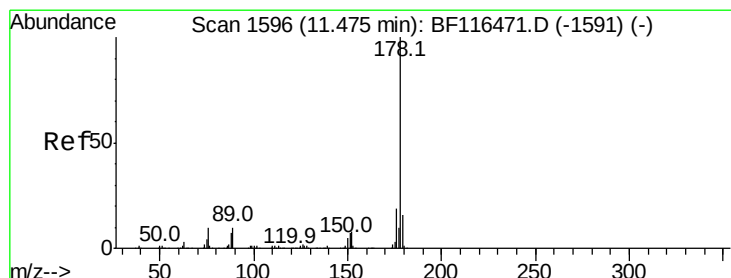
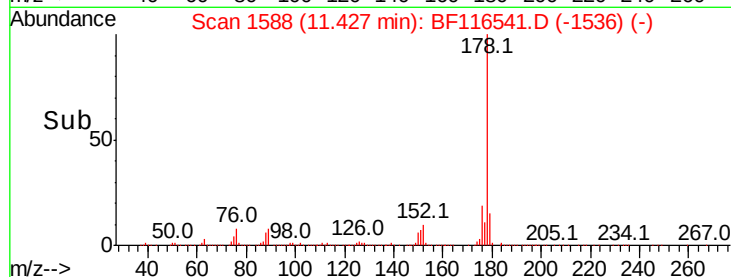
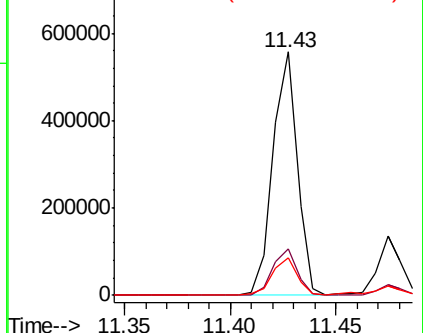
179 15.5 12.8 19.2



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: 6.214 ng

RT: 11.47 min Scan# 1596

Delta R.T. -0.00 min

Lab File: BF116541.D

Acq: 25 Aug 2019 19:24

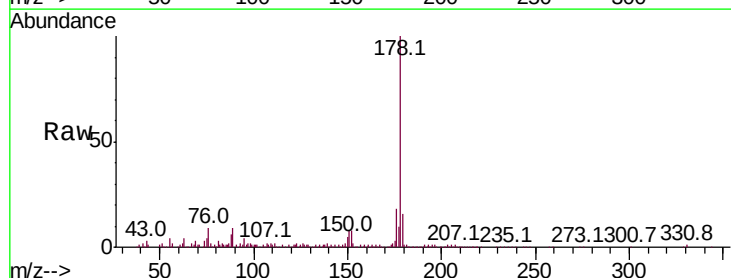
Tgt Ion:178 Resp: 100708

Ion Ratio Lower Upper

178 100

176 18.1 15.2 22.8

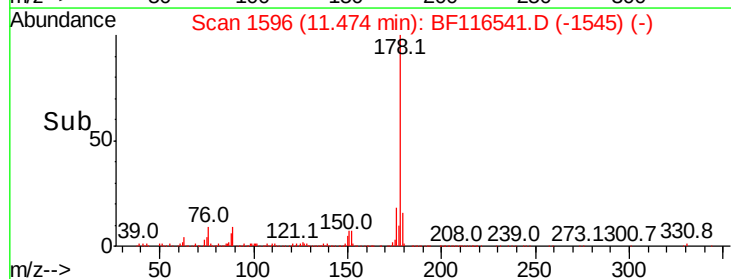
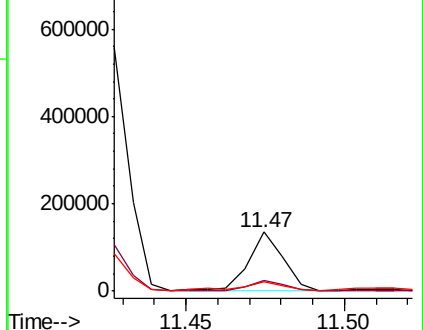
179 16.0 12.5 18.7

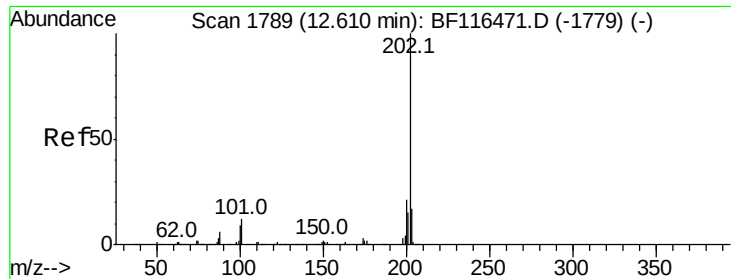


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#75

Fluoranthene

Concen: 39.929 ng

RT: 12.62 min Scan# 1790

Delta R.T. 0.01 min

Lab File: BF116541.D

Acq: 25 Aug 2019 19:24

Instrument :

BNA_F

ClientSampleId :

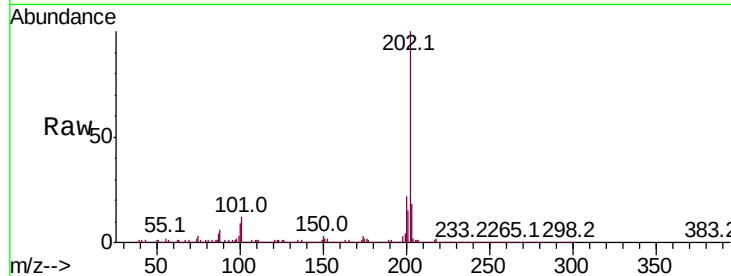
Tot Ion:202 Resp: 665793

Ion Ratio Lower Upper

202 100

101 12.3 0.0 31.5

203 17.8 0.0 37.5

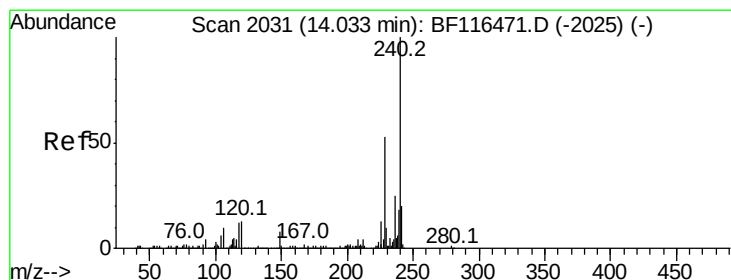
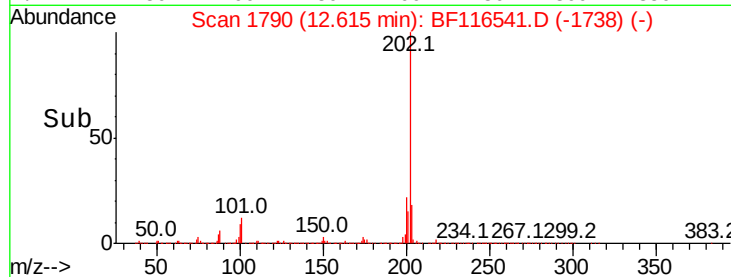
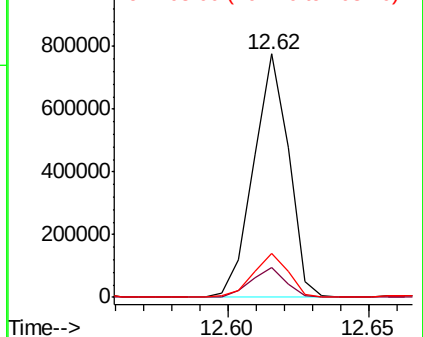


Abundance

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: BF116541.D

Acq: 25 Aug 2019 19:24

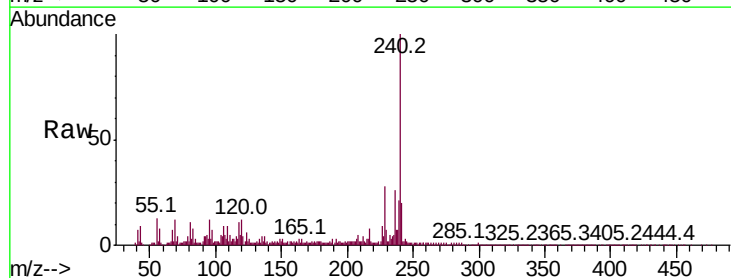
Tgt Ion:240 Resp: 192325

Ion Ratio Lower Upper

240 100

120 11.9 10.5 15.7

236 26.3 20.2 30.2

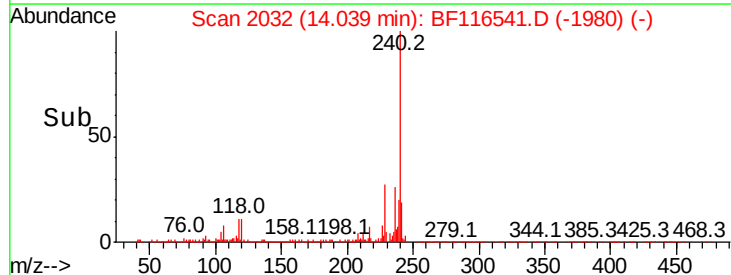
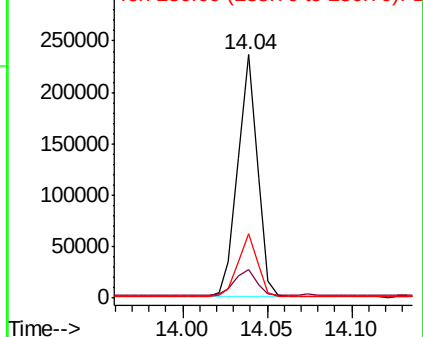


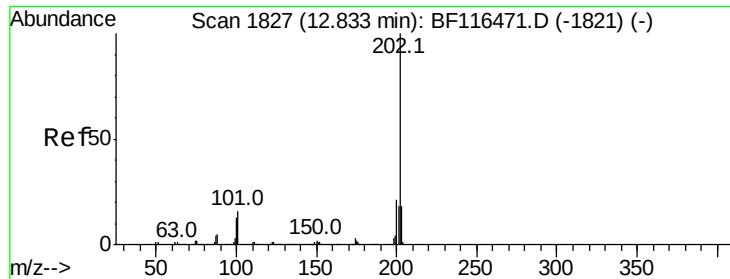
Abundance

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

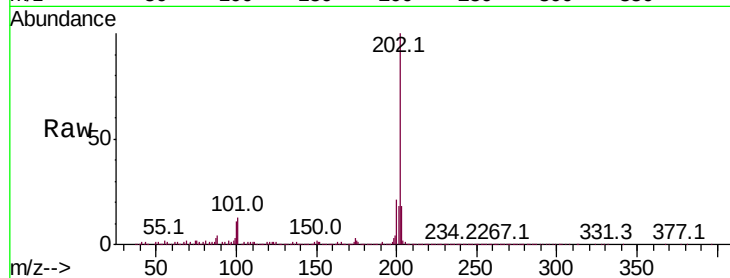




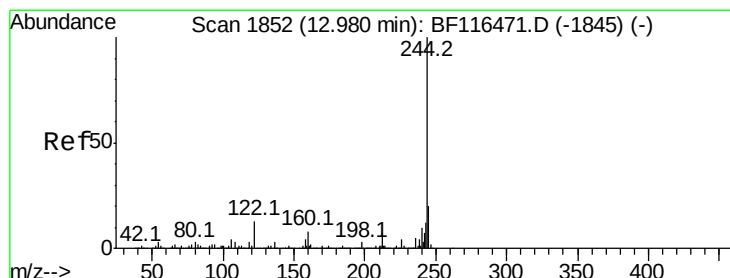
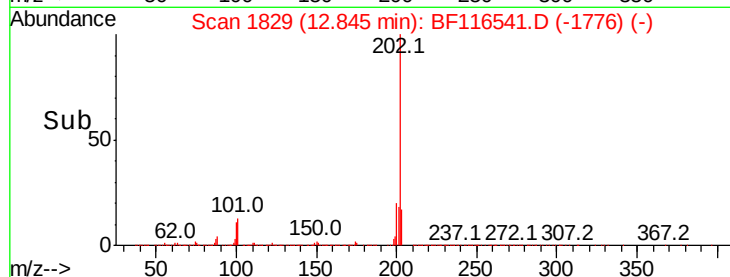
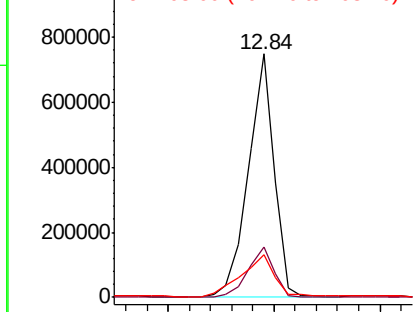
#78
Pvrene
Concen: 41.290 ng
RT: 12.84 min Scan# 1829
Delta R.T. 0.01 min
Lab File: BF116541.D
Acq: 25 Aug 2019 19:24

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
202	100		
200	20.5	17.0	25.4
203	17.6	14.2	21.4

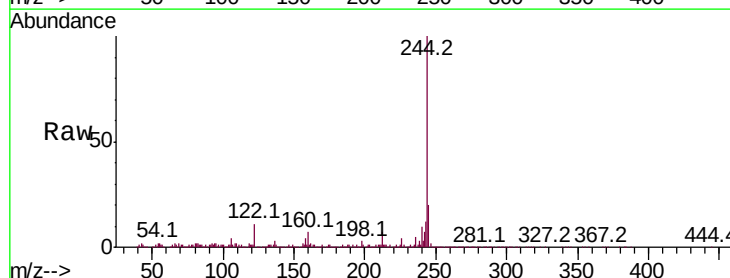


Abundance Ion 202.00 (201.70 to 202.70): E
Ion 200.00 (199.70 to 200.70): E
Ion 203.00 (202.70 to 203.70): E

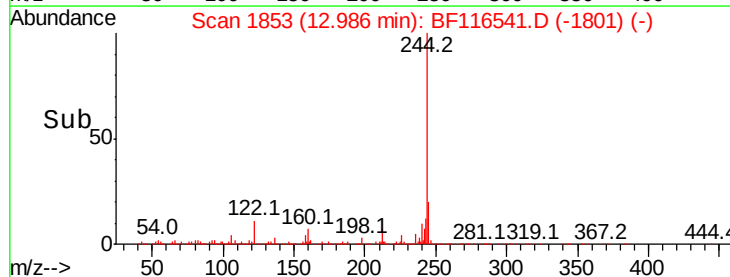
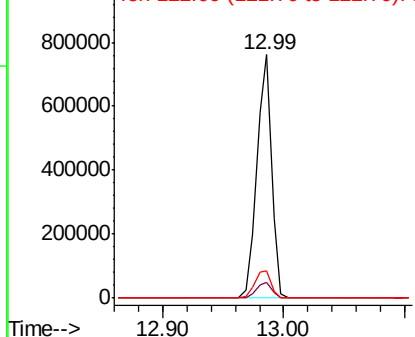


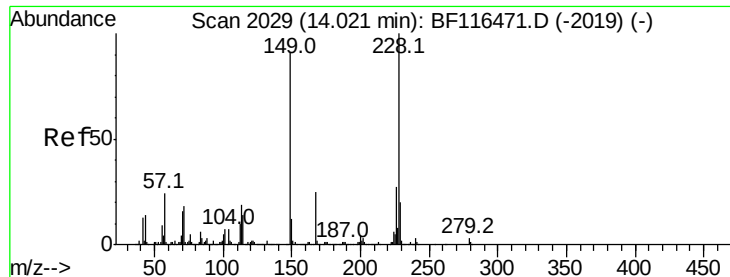
#79
Terphenyl-d14
Concen: 62.941 ng
RT: 12.99 min Scan# 1853
Delta R.T. 0.01 min
Lab File: BF116541.D
Acq: 25 Aug 2019 19:24

Tgt Ion	Ratio	Lower	Upper
244	100		
212	6.7	5.7	8.5
122	11.1	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

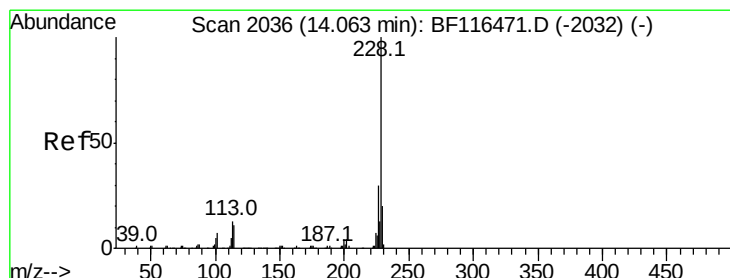
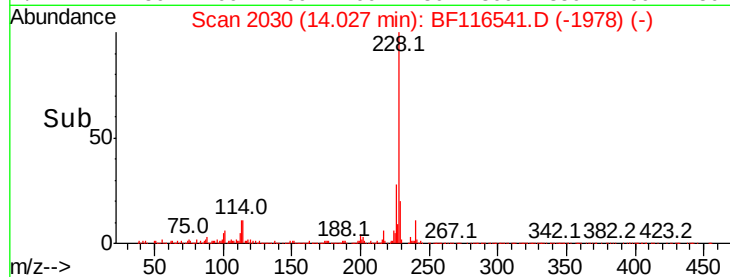
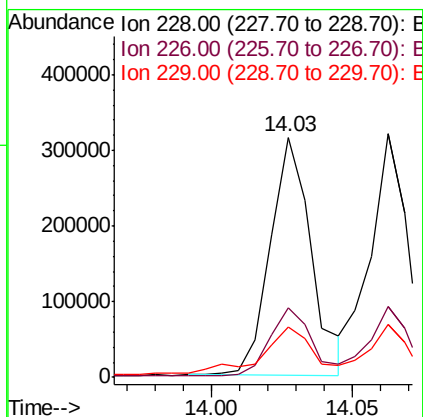
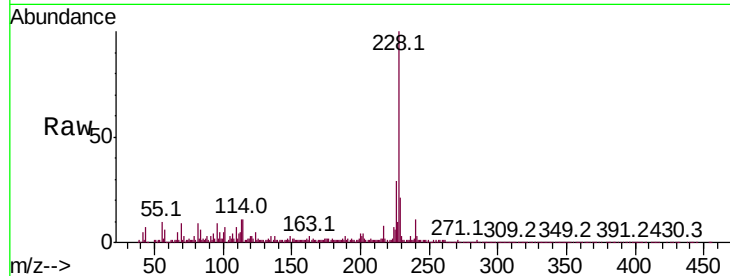




#81
Benzo(a)anthracene
Concen: 25.533 ng
RT: 14.03 min Scan# 2030
Delta R.T. 0.01 min
Lab File: BF116541.D
Acq: 25 Aug 2019 19:24

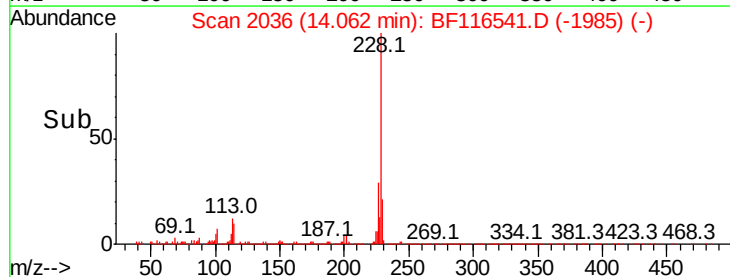
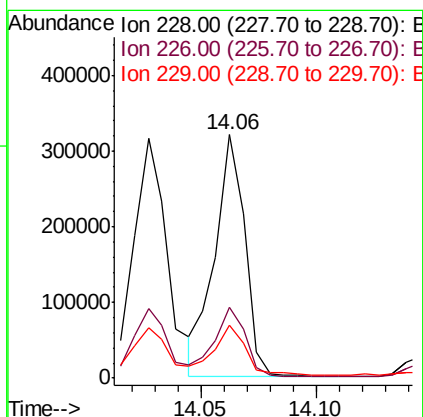
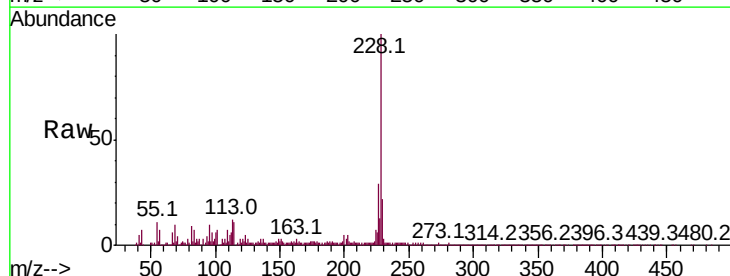
Instrument :
BNA_F
ClientSampleId :

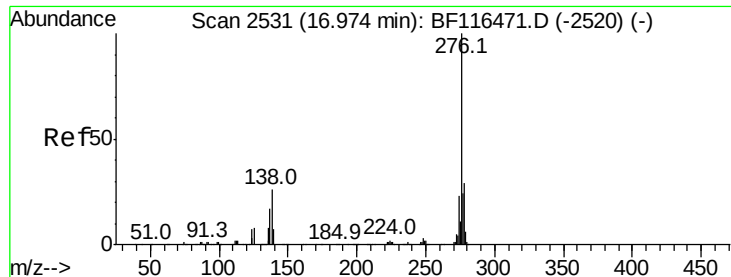
Tot Ion	Ratio	Lower	Upper
228	100		
226	28.8	21.8	32.6
229	20.9	15.9	23.9



#83
Chrysene
Concen: 22.958 ng
RT: 14.06 min Scan# 2036
Delta R.T. -0.00 min
Lab File: BF116541.D
Acq: 25 Aug 2019 19:24

Tgt Ion	Ratio	Lower	Upper
228	100		
226	29.1	24.2	36.2
229	21.8	15.8	23.6

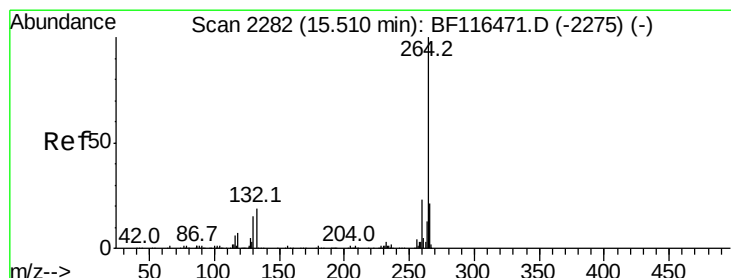
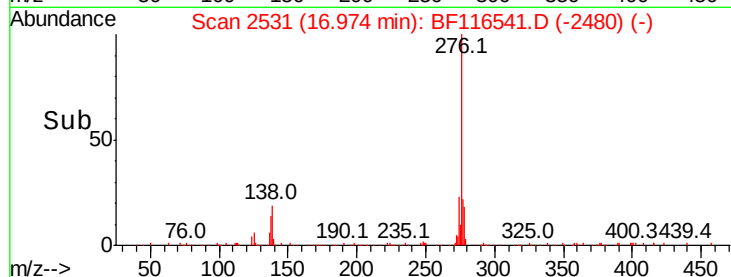
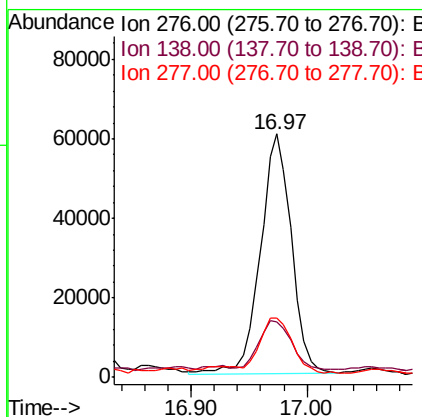
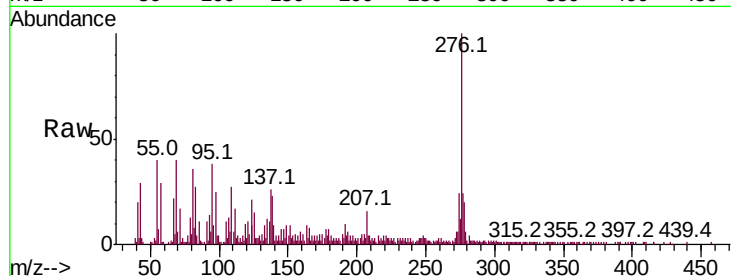




#86
 Indeno(1,2,3-cd)pyrene
 Concen: 10.429 ng
 RT: 16.97 min Scan# 2531
 Delta R.T. -0.00 min
 Lab File: BF116541.D
 Acq: 25 Aug 2019 19:24

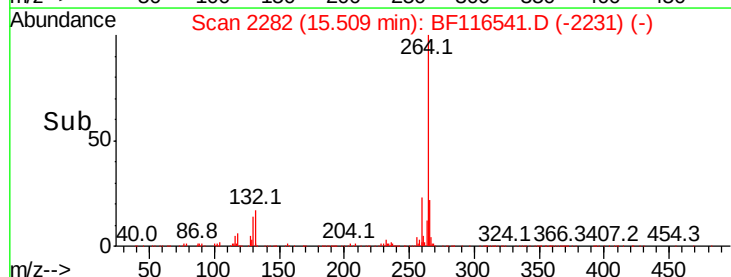
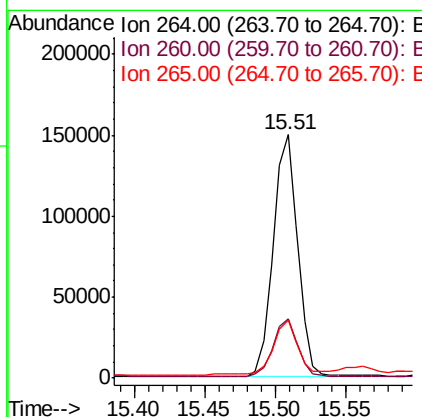
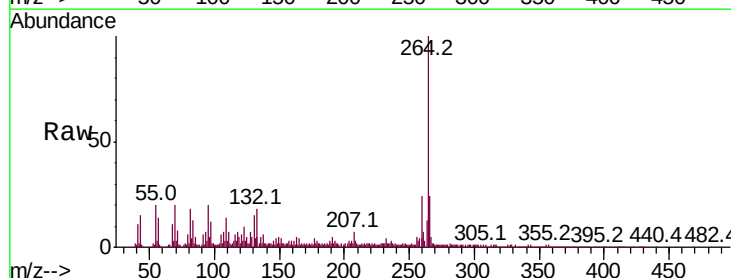
Instrument :
 BNA_F
 ClientSampleId :

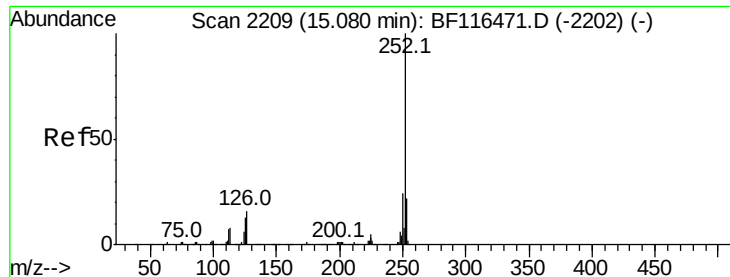
Tot Ion	Ratio	Lower	Upper
276	100		
138	21.5	22.9	34.3#
277	23.7	19.9	29.9



#87
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.51 min Scan# 2282
 Delta R.T. -0.00 min
 Lab File: BF116541.D
 Acq: 25 Aug 2019 19:24

Tgt Ion	Ratio	Lower	Upper
264	100		
260	24.1	18.8	28.2
265	23.6	17.1	25.7

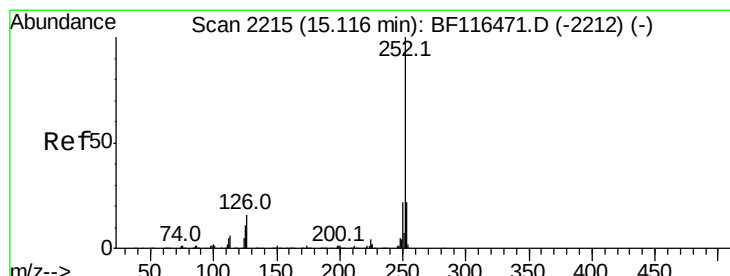
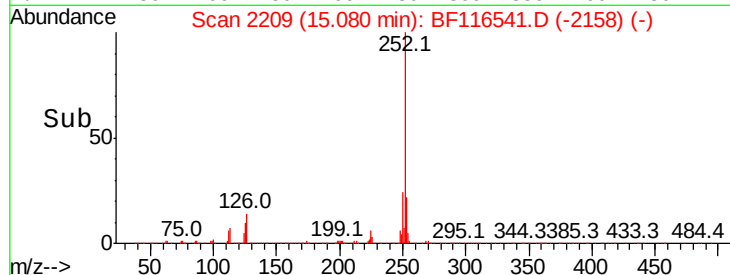
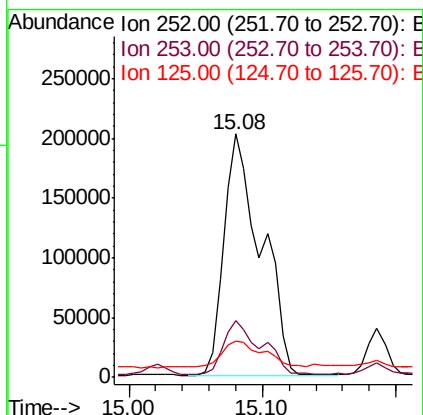
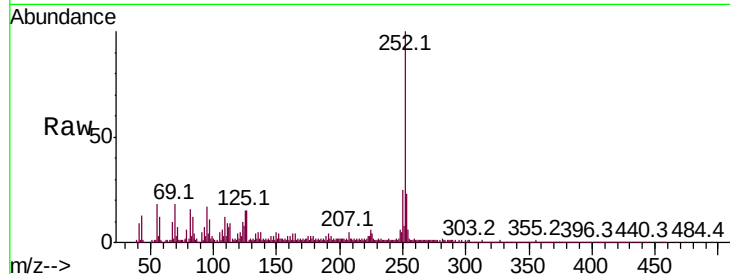




#88
Benzo(b)fluoranthene
Concen: 34.993 ng
RT: 15.08 min Scan# 2209
Delta R.T. -0.00 min
Lab File: BF116541.D
Acq: 25 Aug 2019 19:24

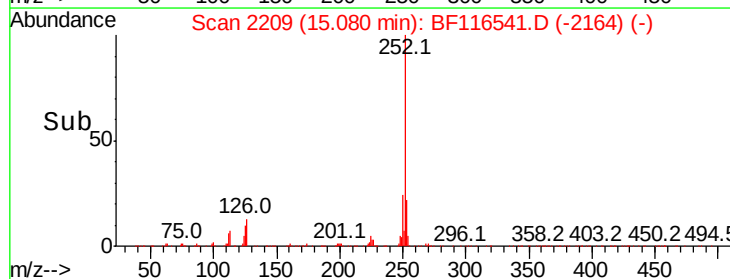
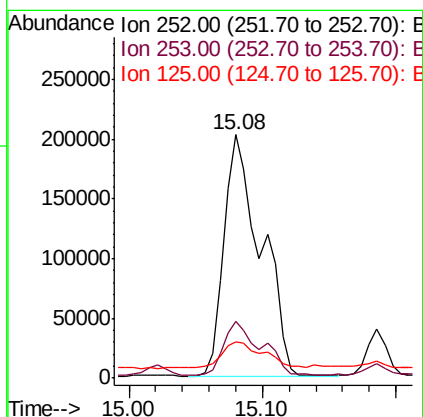
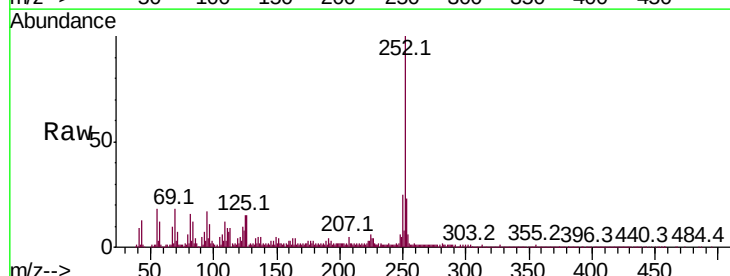
Instrument :
BNA_F
ClientSampled :

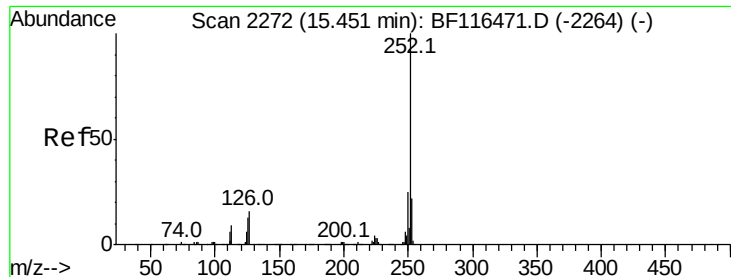
Tot Ion	Ratio	Lower	Upper
252	100		
253	23.4	17.5	26.3
125	14.9	10.1	15.1



#89
Benzo(k)fluoranthene
Concen: 38.626 ng
RT: 15.08 min Scan# 2209
Delta R.T. -0.04 min
Lab File: BF116541.D
Acq: 25 Aug 2019 19:24

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.4	17.4	26.2
125	14.9	9.1	13.7#

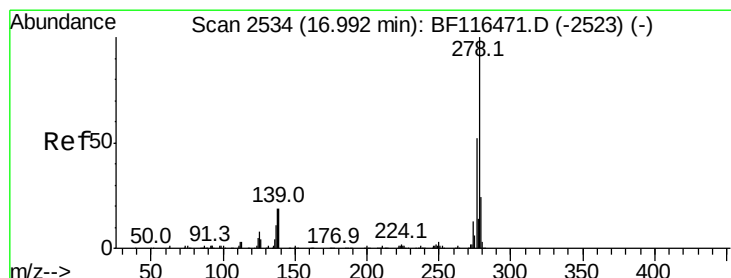
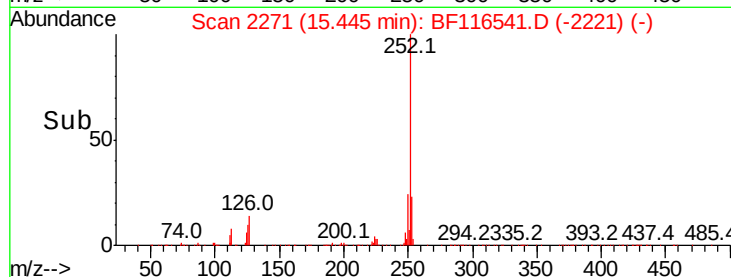
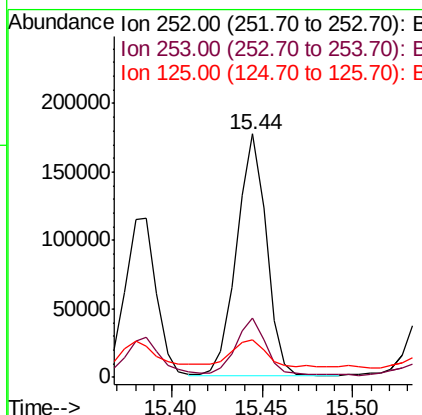
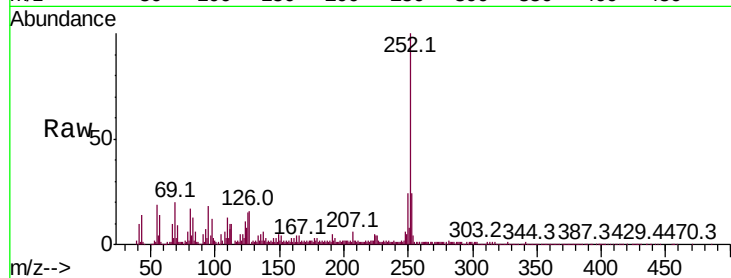




#90
Benzo(a)pyrene
Concen: 20.161 ng
RT: 15.44 min Scan# 2271
Delta R.T. -0.01 min
Lab File: BF116541.D
Acq: 25 Aug 2019 19:24

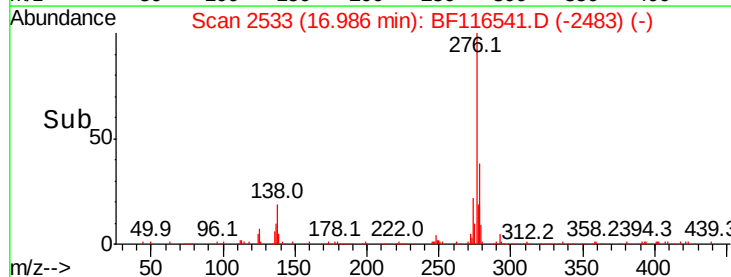
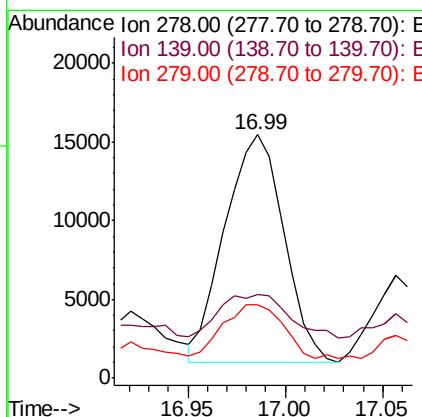
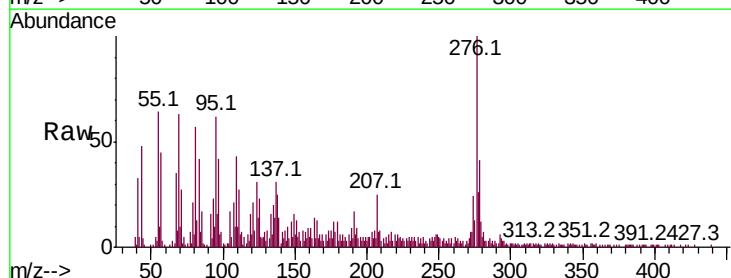
Instrument :
BNA_F
ClientSampleId :

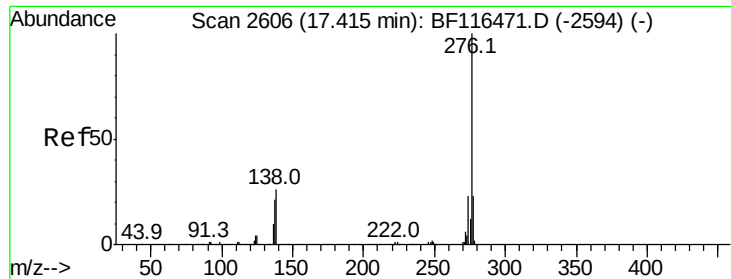
Tot Ion:252	Resp:	200387
Ion Ratio	Lower	Upper
252	100	
253	24.5	17.2 25.8
125	15.4	10.2 15.4



#91
Dibenzo(a,h)anthracene
Concen: 3.705 ng
RT: 16.99 min Scan# 2533
Delta R.T. -0.01 min
Lab File: BF116541.D
Acq: 25 Aug 2019 19:24

Tgt Ion:278	Resp:	30262
Ion Ratio	Lower	Upper
278	100	
139	34.6	15.3 22.9#
279	30.1	19.0 28.6#





#92
 Benzo(a,h,i)perylene
 Concen: 13.239 ng
 RT: 17.42 min Scan# 2606
 Delta R.T. -0.00 min
 Lab File: BF116541.D
 Acq: 25 Aug 2019 19:24

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
276	100		
277	25.6	18.7	28.1
138	24.4	20.8	31.2

