

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF082519\
 Data File : BF116543.D
 Acq On : 25 Aug 2019 20:18
 Operator : HP/JU
 Sample : K4403-01
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Aug 26 06:30:44 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	134121	20.00	ng	0.00
21) Naphthalene-d8	8.17	136	503988	20.00	ng	0.00
39) Acenaphthene-d10	9.92	164	228785	20.00	ng	0.00
64) Phenanthrene-d10	11.40	188	330047	20.00	ng	0.00
76) Chrysene-d12	14.03	240	210435	20.00	ng	0.00
87) Perylene-d12	15.50	264	204477	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.52	112	615402	67.04	ng	0.02
7) Phenol-d6	6.52	99	822381	73.07	ng	0.01
23) Nitrobenzene-d5	7.44	82	486447	52.81	ng	0.00
42) 2,4,6-Tribromophenol	10.70	330	108106	55.03	ng	0.00
45) 2-Fluorobiphenyl	9.24	172	768694	54.11	ng	0.00
79) Terphenyl-d14	12.98	244	605022	53.70	ng	0.00

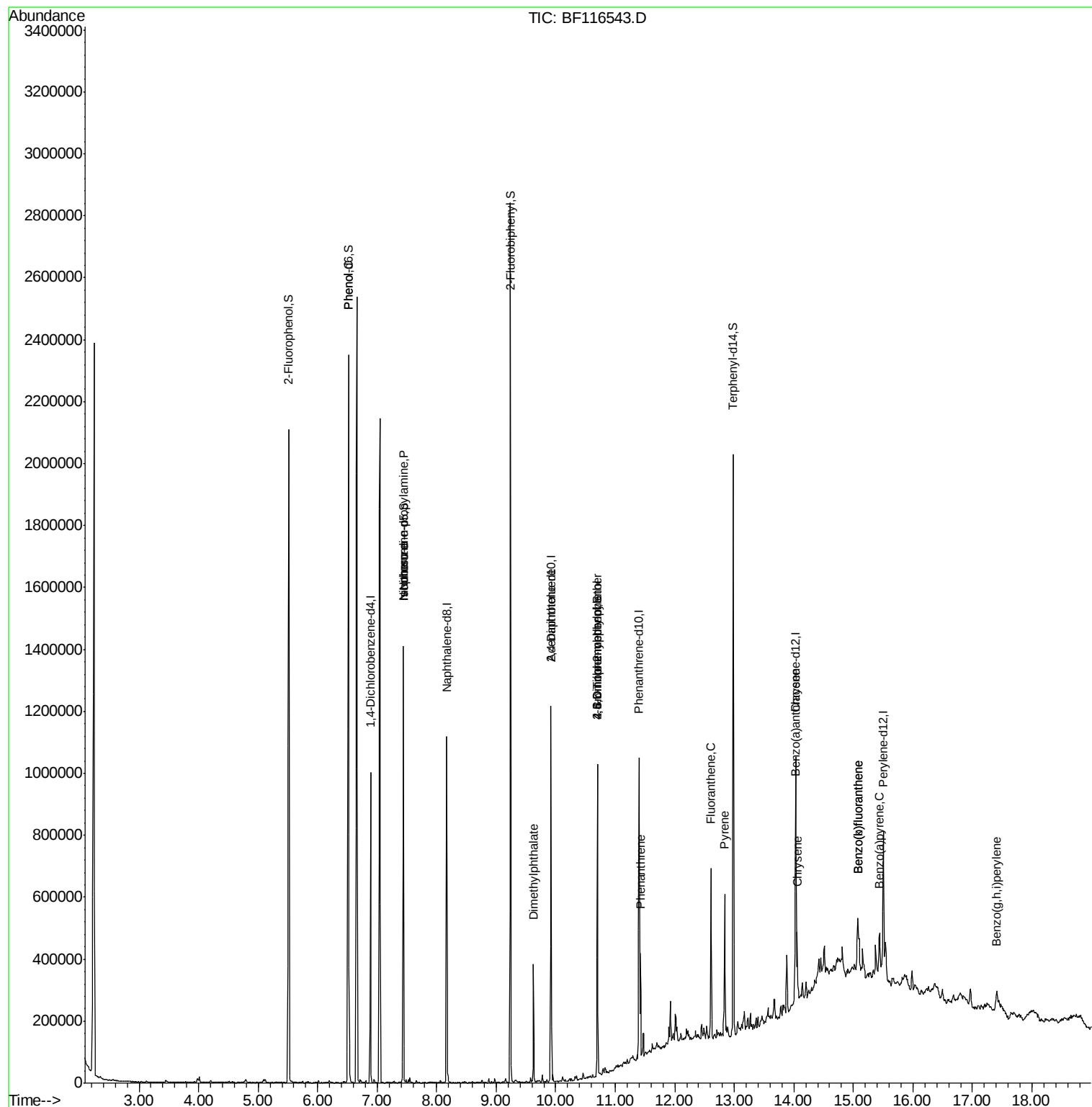
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
10) Phenol	6.52	94	28872	2.362	ng	# 74
19) n-Nitroso-di-n-propylamine	7.44	70	64945	8.456	ng	# 78
25) Isophorone	7.44	82	485762	26.758	ng	# 67
50) Dimethylphthalate	9.63	163	132548	8.304	ng	99
57) 2,4-Dinitrotoluene	9.92	165	30196	7.263	ng	# 20
65) 4,6-Dinitro-2-methylphenol	10.70	198	244	7.159	ng	# 1
67) 4-Bromophenyl-phenylether	10.70	248	7011	2.026	ng	# 1
71) Phenanthrene	11.42	178	110030	6.120	ng	98
75) Fluoranthene	12.61	202	193577	10.414	ng	100
78) Pyrene	12.84	202	173974	10.338	ng	99
81) Benzo(a)anthracene	14.02	228	87874	6.448	ng	100
83) Chrysene	14.06	228	78908	5.712	ng	96
88) Benzo(b)fluoranthene	15.07	252	117913	9.335	ng	97
89) Benzo(k)fluoranthene	15.07	252	117913	10.304	ng	# 96
90) Benzo(a)pyrene	15.44	252	63133	5.655	ng	97
92) Benzo(g,h,i)perylene	17.41	276	34354	3.928	ng	96

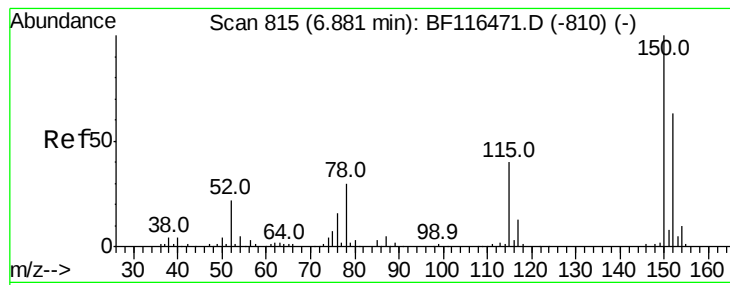
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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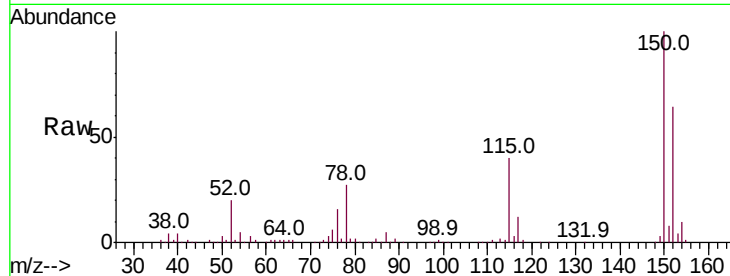


#1

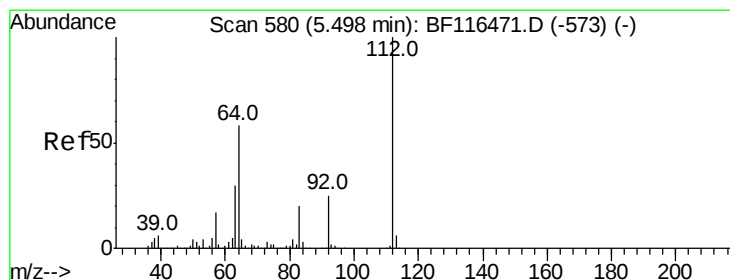
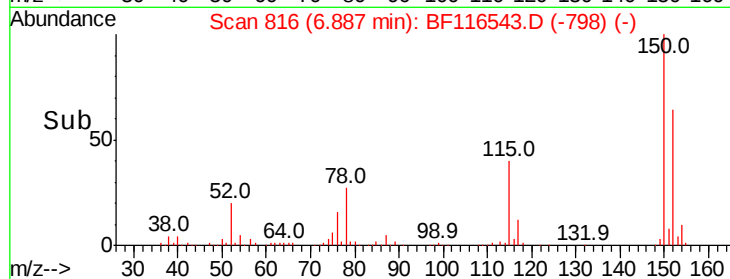
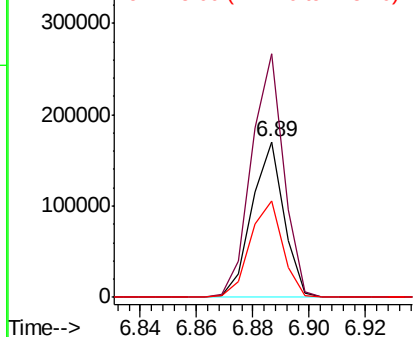
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.89 min Scan# 816
Delta R.T. 0.01 min
Lab File: BF116543.D
Acq: 25 Aug 2019 20:18

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 134121
Ion Ratio Lower Upper
152 100
150 156.7 126.7 190.1
115 62.4 50.9 76.3



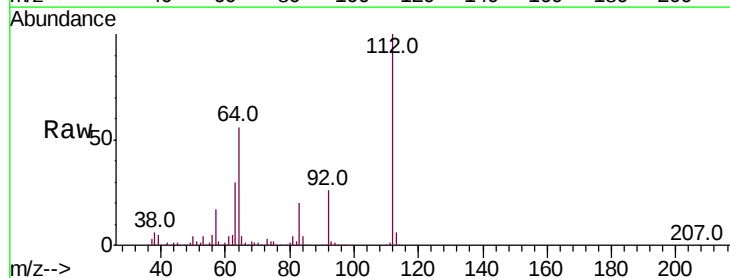
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



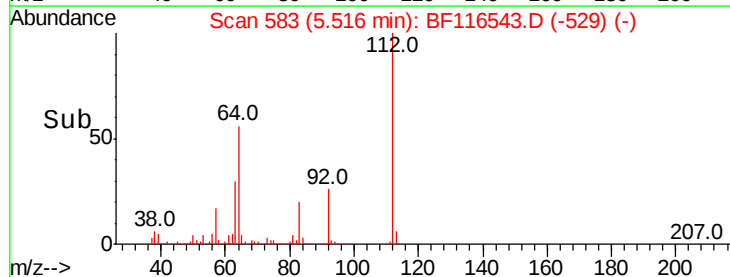
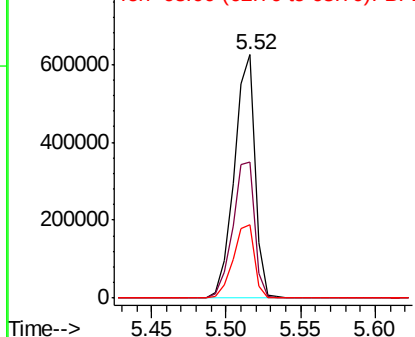
#5

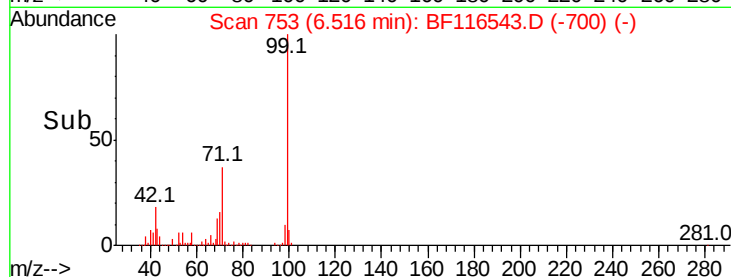
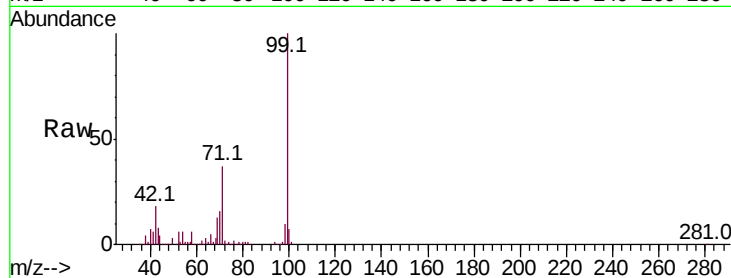
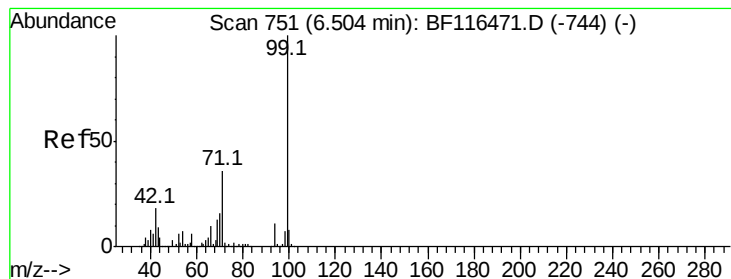
2-Fluorophenol
Concen: 67.043 ng
RT: 5.52 min Scan# 583
Delta R.T. 0.02 min
Lab File: BF116543.D
Acq: 25 Aug 2019 20:18

Tgt Ion:112 Resp: 615402
Ion Ratio Lower Upper
112 100
64 56.0 46.3 69.5
63 29.9 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: 73.068 ng

RT: 6.52 min Scan# 753

Delta R.T. 0.01 min

Lab File: BF116543.D

Acq: 25 Aug 2019 20:18

Instrument :

BNA_F

ClientSampleId :

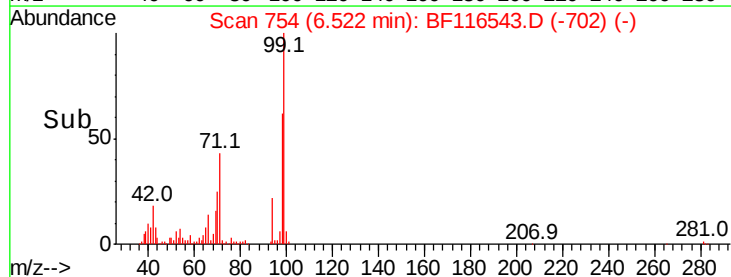
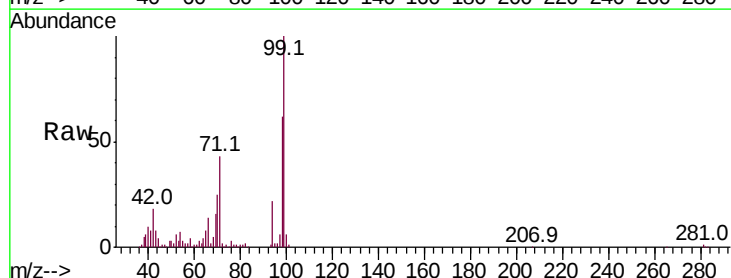
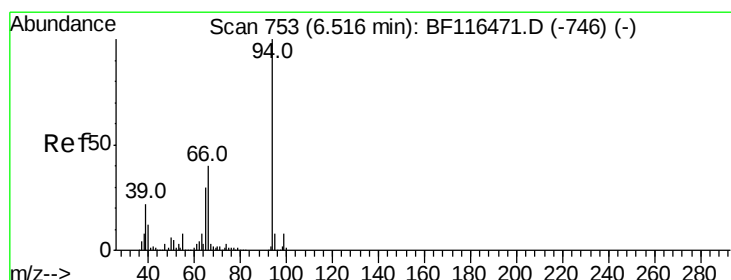
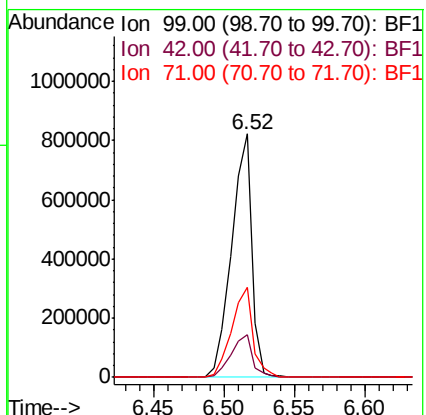
Tot Ion: 99 Resp: 822381

Ion Ratio Lower Upper

99 100

42 17.5 14.6 21.8

71 37.1 28.5 42.7



#10

Phenol

Concen: 2.362 ng

RT: 6.52 min Scan# 754

Delta R.T. 0.01 min

Lab File: BF116543.D

Acq: 25 Aug 2019 20:18

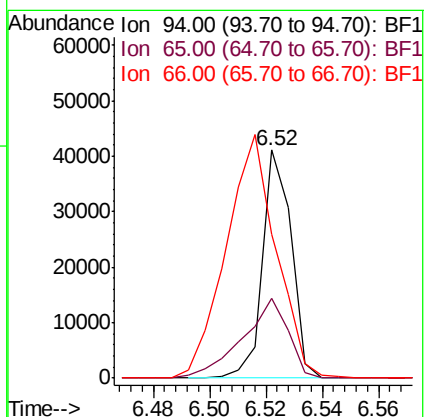
Tgt Ion: 94 Resp: 28872

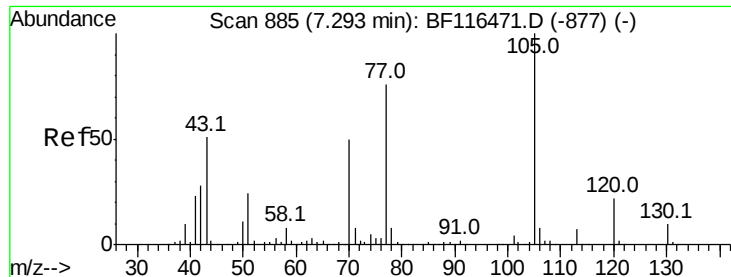
Ion Ratio Lower Upper

94 100

65 35.2 10.0 50.0

66 63.3 19.8 59.8#

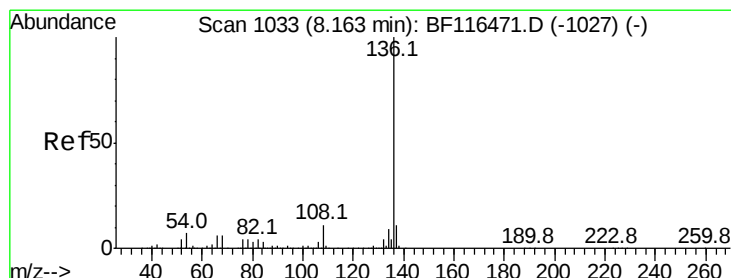
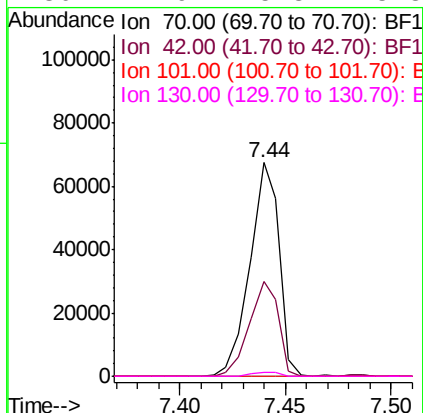
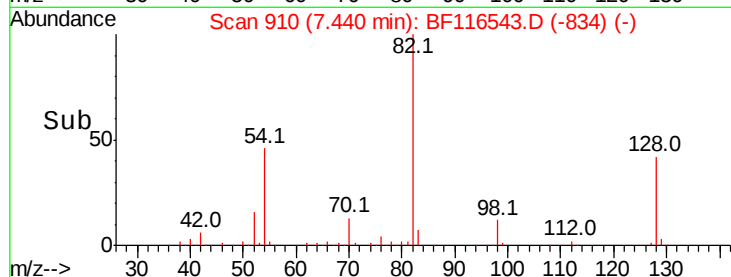
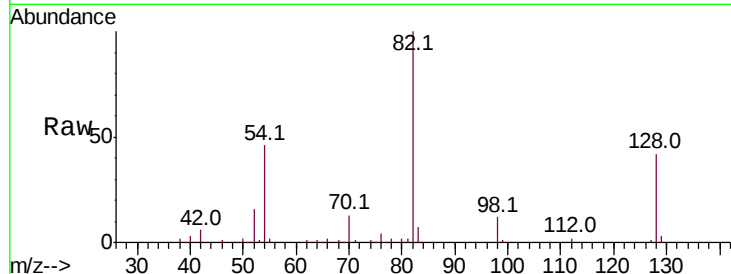




#19
n-Nitroso-di-n-propylamine
Concen: 8.456 ng
RT: 7.44 min Scan# 910
Delta R.T. 0.15 min
Lab File: BF116543.D
Acq: 25 Aug 2019 20:18

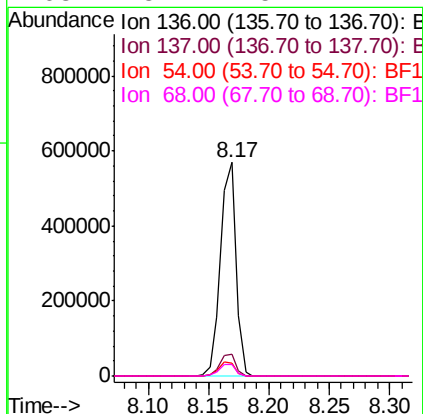
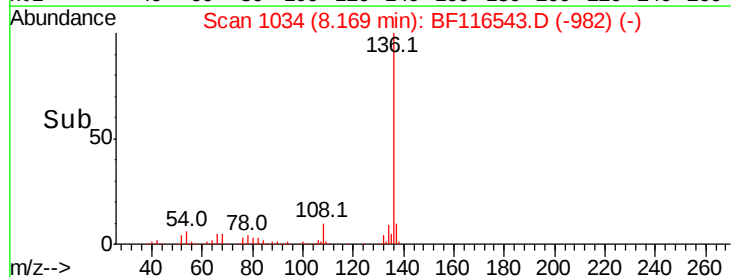
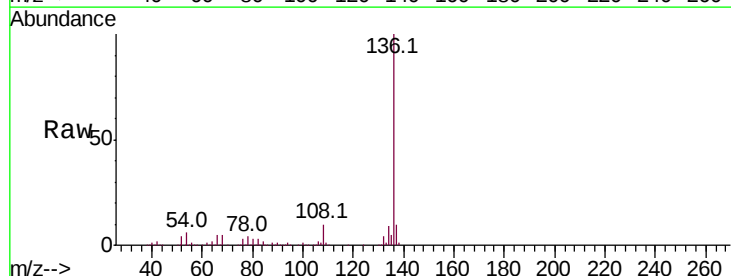
Instrument :
BNA_F
ClientSampleId :

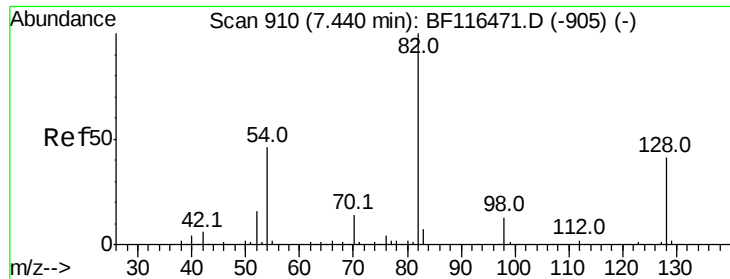
Tot Ion: 70 Resp: 64945
Ion Ratio Lower Upper
70 100
42 44.4 44.4 66.6#
101 0.0 7.1 10.7#
130 1.9 15.8 23.8#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.17 min Scan# 1034
Delta R.T. 0.01 min
Lab File: BF116543.D
Acq: 25 Aug 2019 20:18

Tgt Ion:136 Resp: 503988
Ion Ratio Lower Upper
136 100
137 10.4 9.0 13.4
54 6.3 5.8 8.6
68 5.4 5.1 7.7

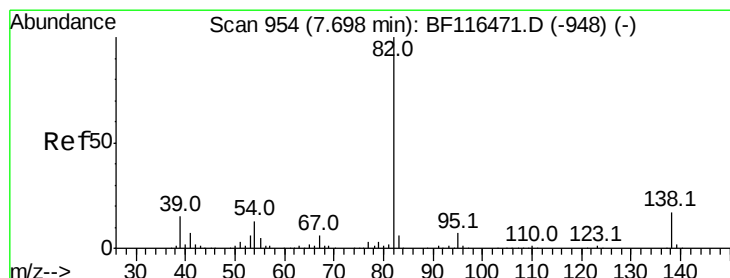
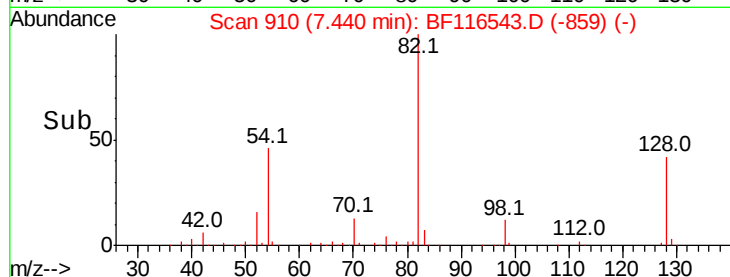
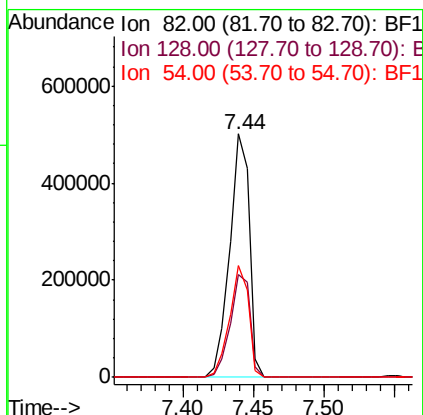
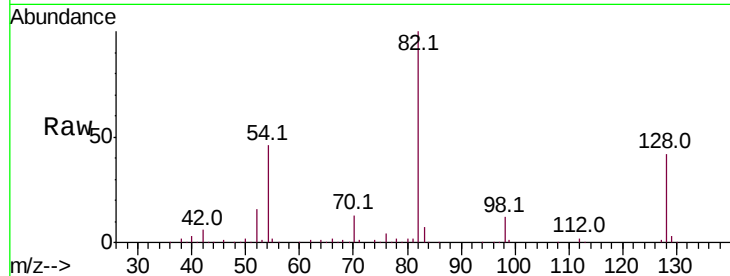




#23
 Nitrobenzene-d5
 Concen: 52.806 ng
 RT: 7.44 min Scan# 910
 Delta R.T. 0.00 min
 Lab File: BF116543.D
 Acq: 25 Aug 2019 20:18

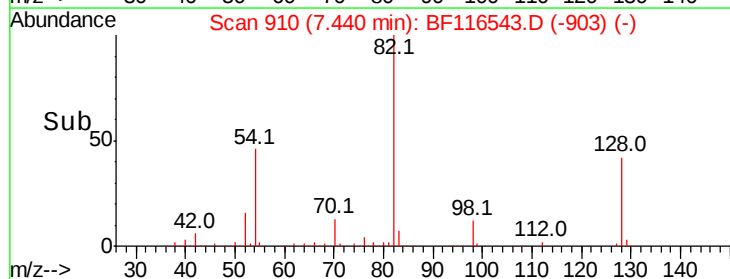
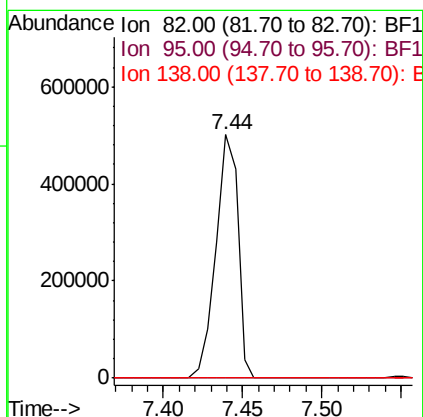
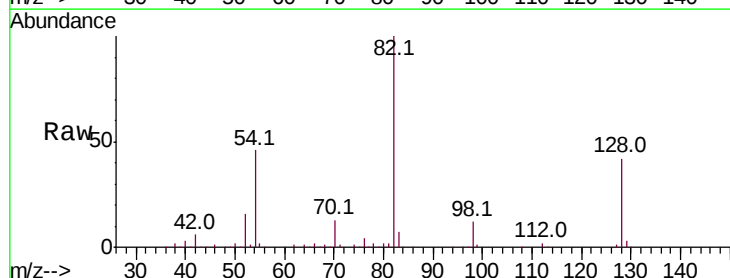
Instrument :
 BNA_F
 ClientSampleId :

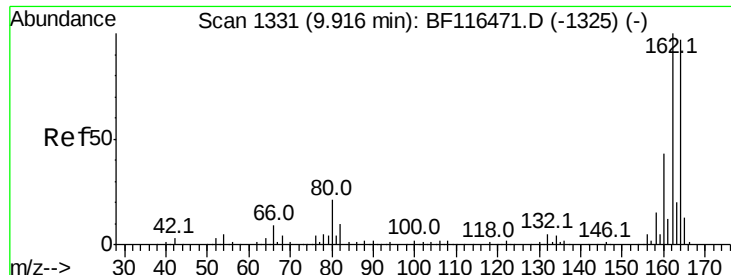
Tot Ion	Ratio	Lower	Upper
82	100		
128	42.2	32.2	48.4
54	45.7	36.5	54.7



#25
 Isophorone
 Concen: 26.758 ng
 RT: 7.44 min Scan# 910
 Delta R.T. -0.26 min
 Lab File: BF116543.D
 Acq: 25 Aug 2019 20:18

Tgt Ion	Ratio	Lower	Upper
82	100		
95	0.0	5.3	7.9#
138	0.0	13.3	19.9#

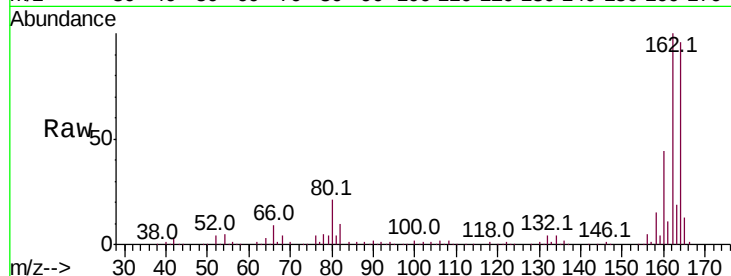




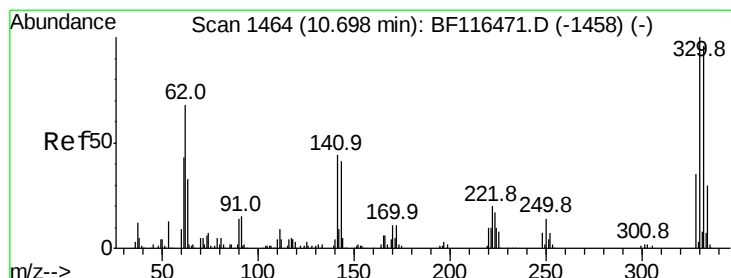
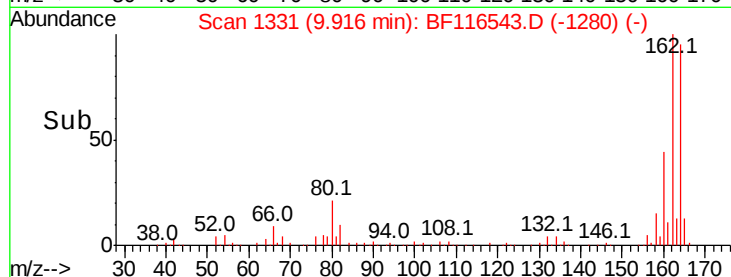
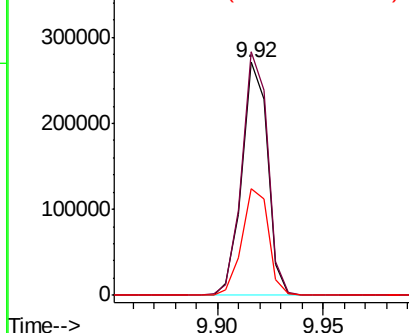
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.92 min Scan# 1331
Delta R.T. 0.00 min
Lab File: BF116543.D
Acq: 25 Aug 2019 20:18

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
164	100		
162	104.4	82.6	123.8
160	45.8	35.8	53.8

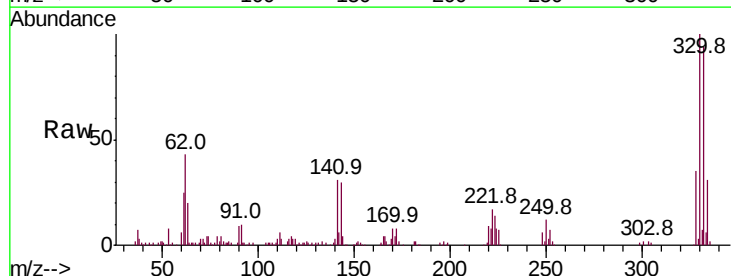


Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E

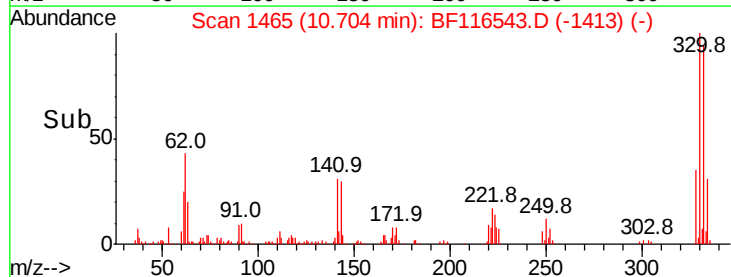
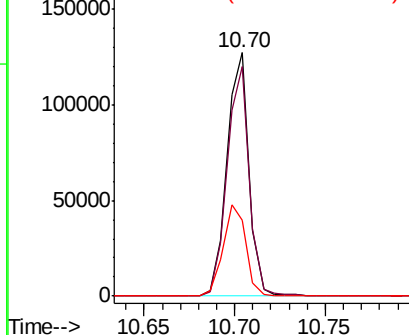


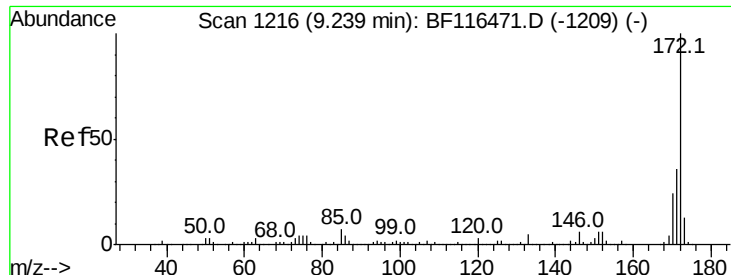
#42
2,4,6-Tribromophenol
Concen: 55.029 ng
RT: 10.70 min Scan# 1465
Delta R.T. 0.01 min
Lab File: BF116543.D
Acq: 25 Aug 2019 20:18

Tgt Ion	Ratio	Lower	Upper
330	100		
332	94.6	77.2	115.8
141	38.9	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



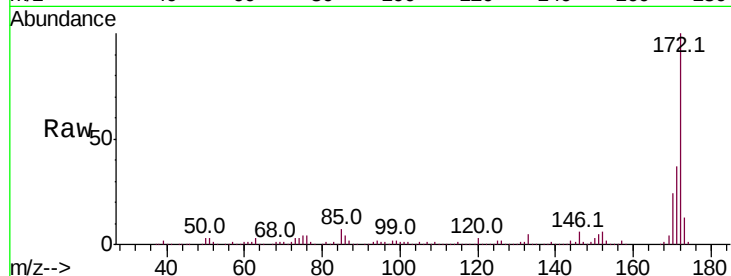


#45
 2-Fluorobiphenyl
 Concen: 54.108 ng
 RT: 9.24 min Scan# 1216
 Delta R.T. 0.00 min
 Lab File: BF116543.D
 Acq: 25 Aug 2019 20:18

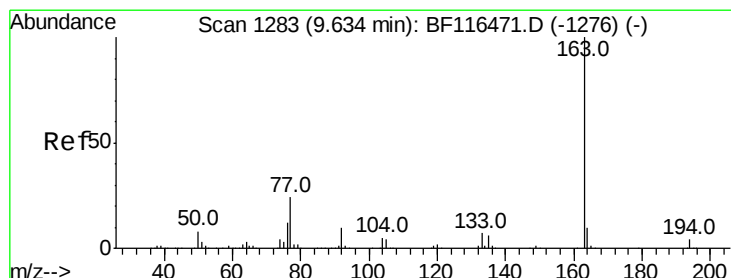
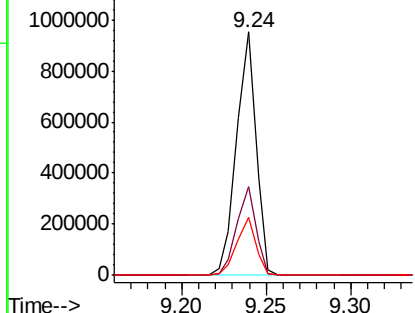
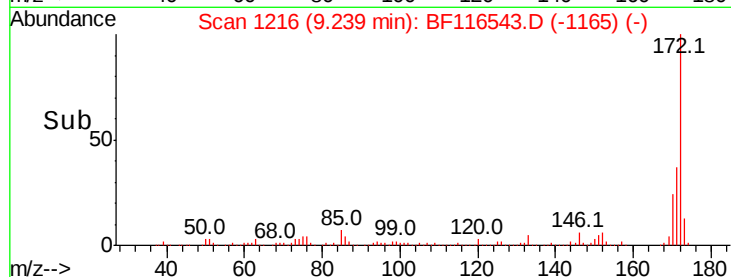
Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:172 Resp: 768694

Ion	Ratio	Lower	Upper
172	100		
171	36.6	28.9	43.3
170	23.9	19.4	29.0



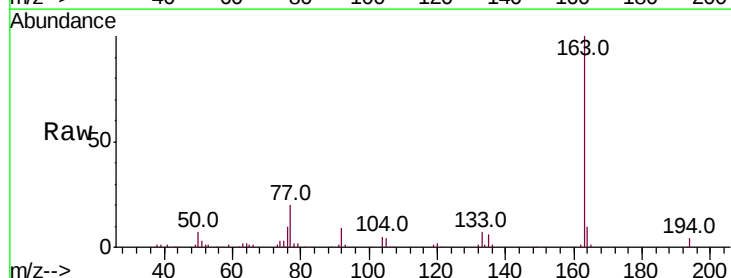
Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E



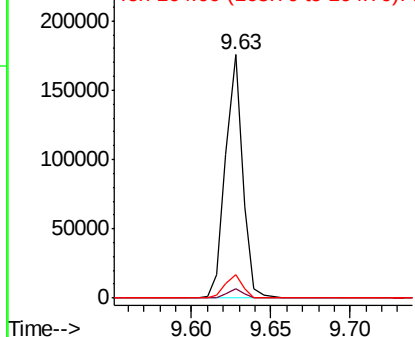
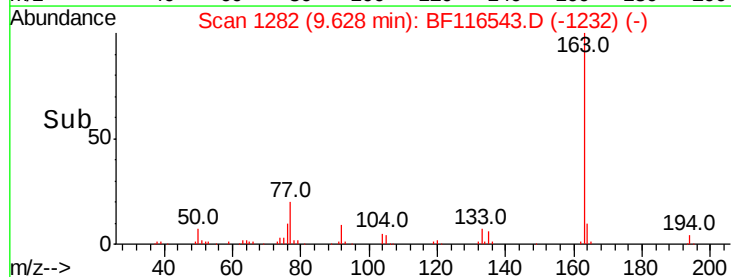
#50
 Dimethylphthalate
 Concen: 8.304 ng
 RT: 9.63 min Scan# 1282
 Delta R.T. -0.01 min
 Lab File: BF116543.D
 Acq: 25 Aug 2019 20:18

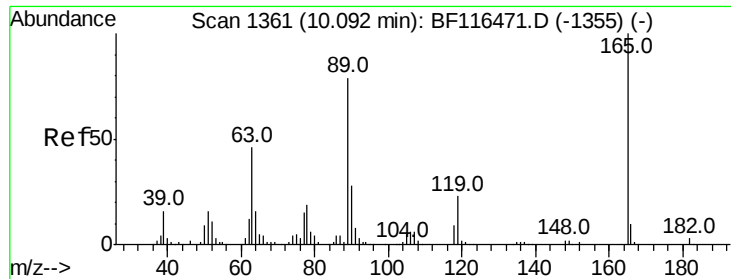
Tgt Ion:163 Resp: 132548

Ion	Ratio	Lower	Upper
163	100		
194	3.9	2.9	4.3
164	9.8	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

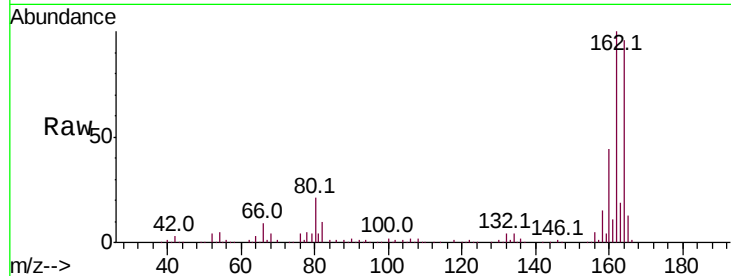




#57
 2,4-Dinitrotoluene
 Concen: 7.263 ng
 RT: 9.92 min Scan# 1331
 Delta R.T. -0.18 min
 Lab File: BF116543.D
 Acq: 25 Aug 2019 20:18

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
165	100		
63	0.9	36.9	55.3#
89	1.4	63.4	95.0#
182	0.0	2.1	3.1#



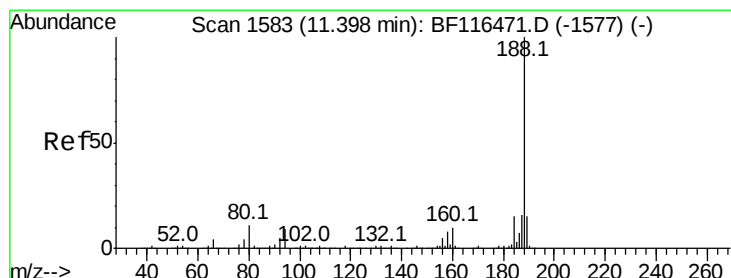
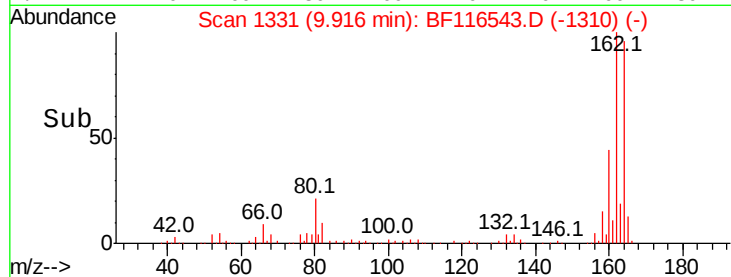
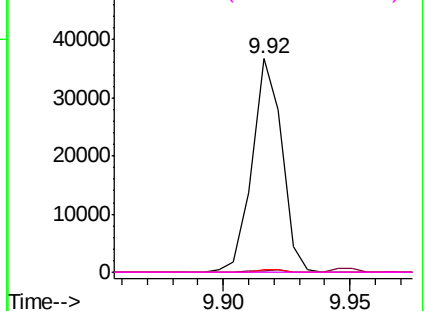
Abundance

Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF1

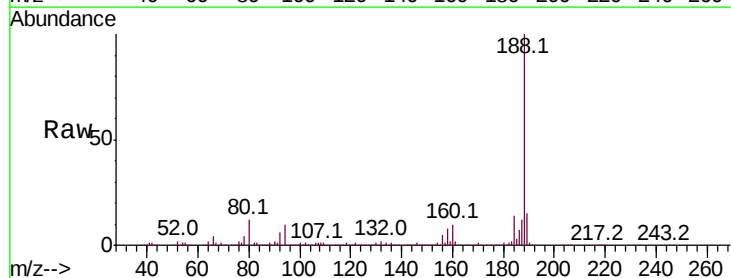
Ion 89.00 (88.70 to 89.70): BF1

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: BF116543.D
 Acq: 25 Aug 2019 20:18

Tgt Ion	Ratio	Lower	Upper
188	100		
94	10.4	7.4	11.2
80	11.6	8.6	12.8

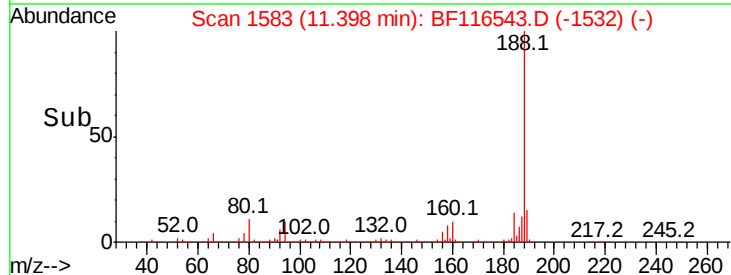
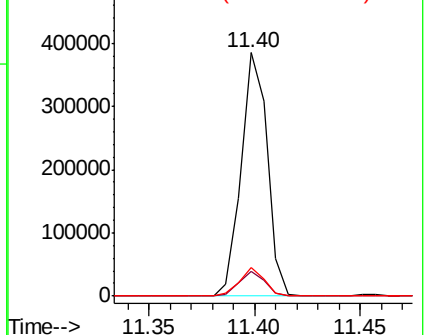


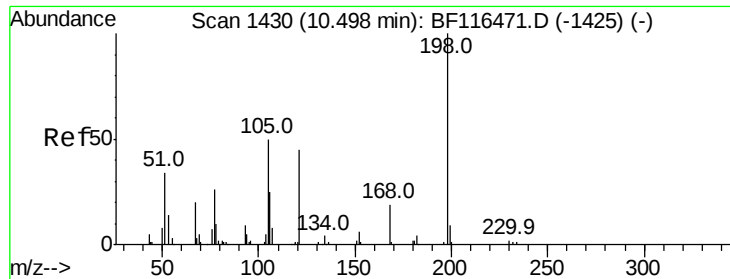
Abundance

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: 7.159 ng

RT: 10.70 min Scan# 1465

Delta R.T. 0.21 min

Lab File: BF116543.D

Acq: 25 Aug 2019 20:18

Instrument :

BNA_F

ClientSampleId :

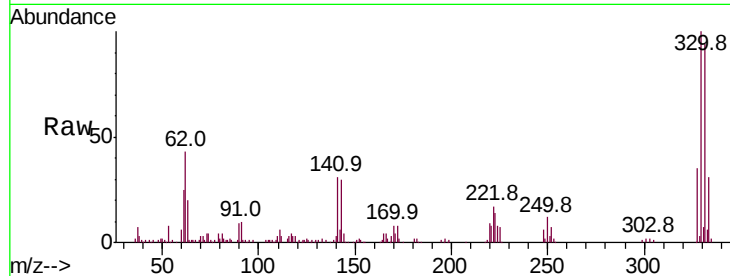
Tot Ion:198 Resp: 244

Ion Ratio Lower Upper

198 100

51 189.0 30.4 70.4#

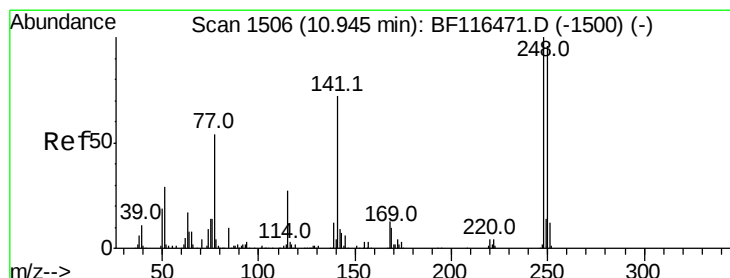
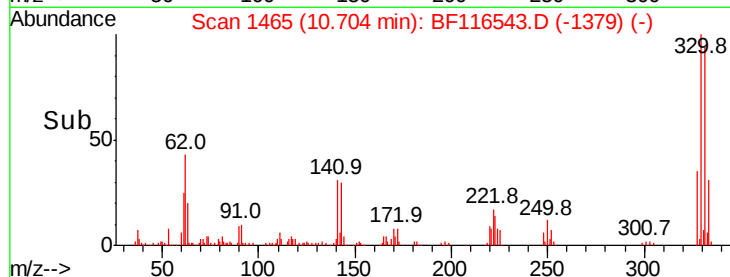
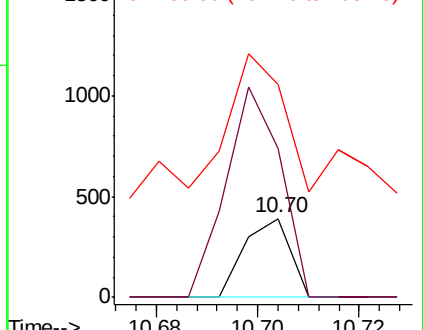
105 270.3 32.8 72.8#



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: 2.026 ng

RT: 10.70 min Scan# 1465

Delta R.T. -0.24 min

Lab File: BF116543.D

Acq: 25 Aug 2019 20:18

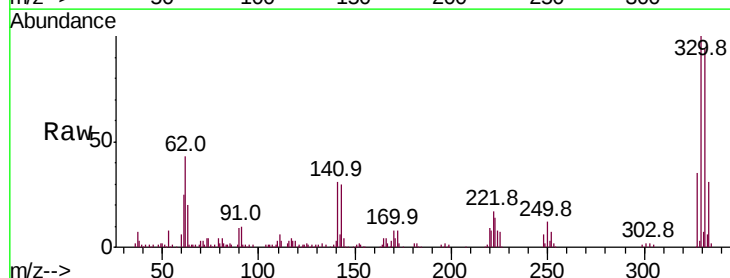
Tgt Ion:248 Resp: 7011

Ion Ratio Lower Upper

248 100

250 191.5 77.0 115.6#

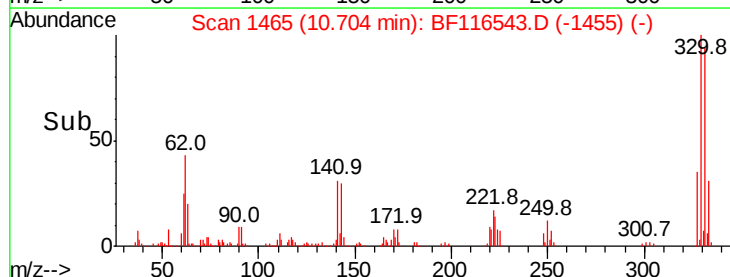
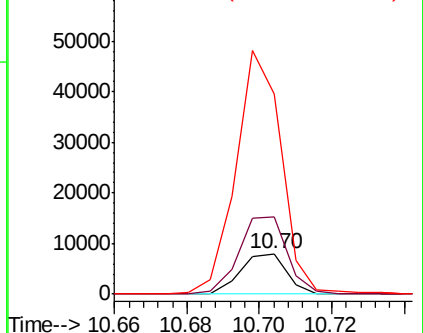
141 497.1 57.4 86.0#

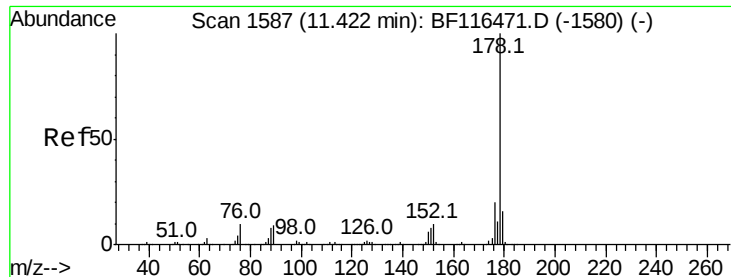


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E





#71

Phenanthrene

Concen: 6.120 ng

RT: 11.42 min Scan# 1587

Delta R.T. 0.00 min

Lab File: BF116543.D

Acq: 25 Aug 2019 20:18

Instrument :

BNA_F

ClientSampleId :

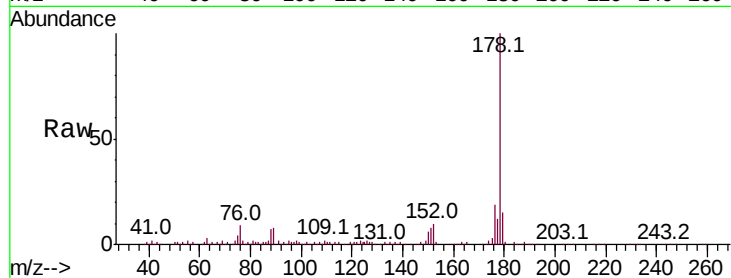
Tot Ion:178 Resp: 110030

Ion Ratio Lower Upper

178 100

176 18.8 15.8 23.6

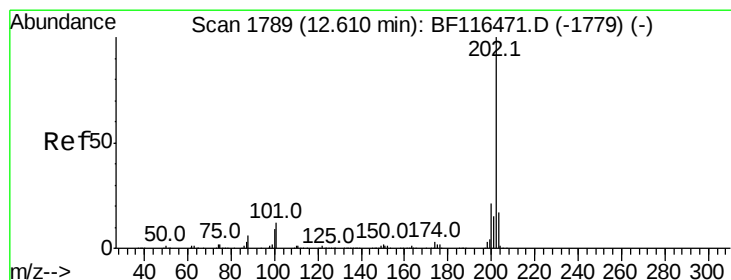
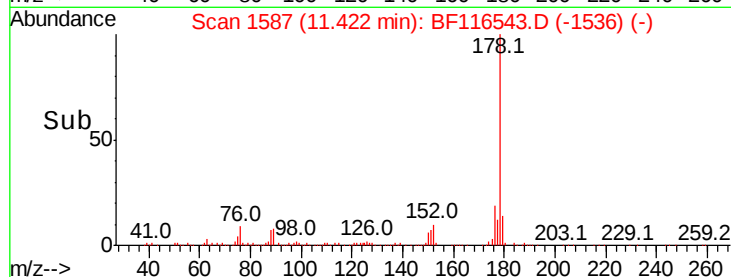
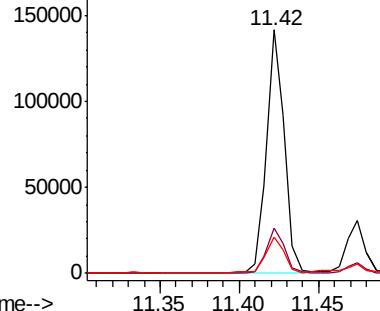
179 14.9 12.8 19.2



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



#75

Fluoranthene

Concen: 10.414 ng

RT: 12.61 min Scan# 1789

Delta R.T. 0.00 min

Lab File: BF116543.D

Acq: 25 Aug 2019 20:18

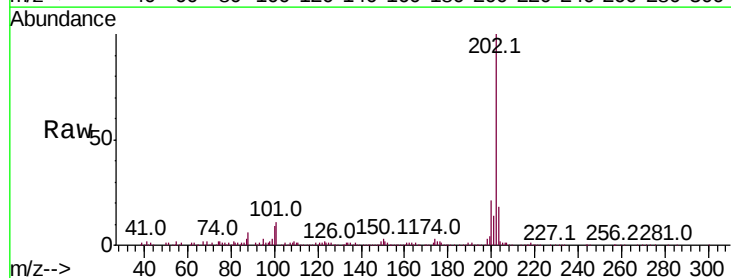
Tgt Ion:202 Resp: 193577

Ion Ratio Lower Upper

202 100

101 11.1 0.0 31.5

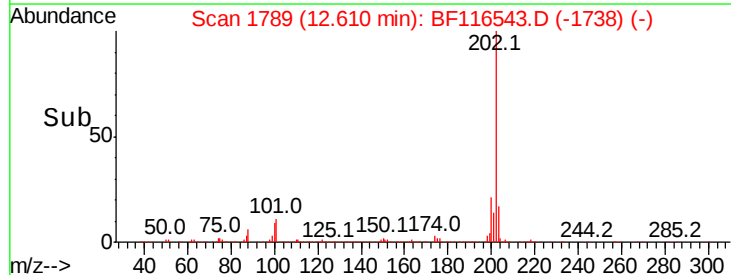
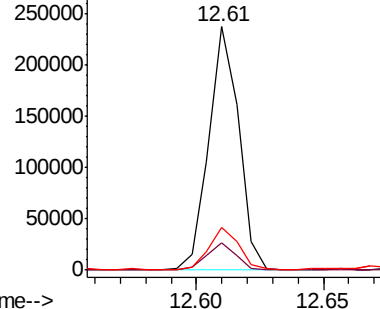
203 17.6 0.0 37.5

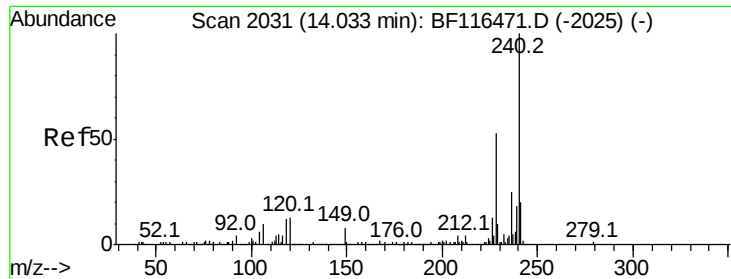


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E

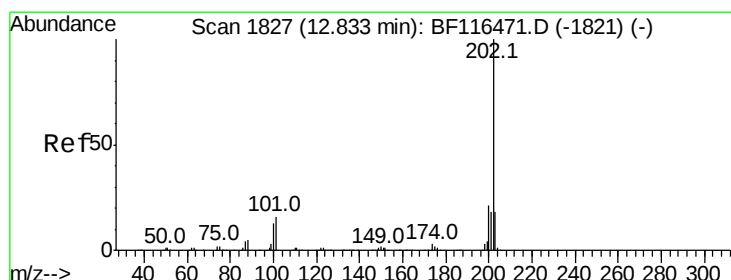
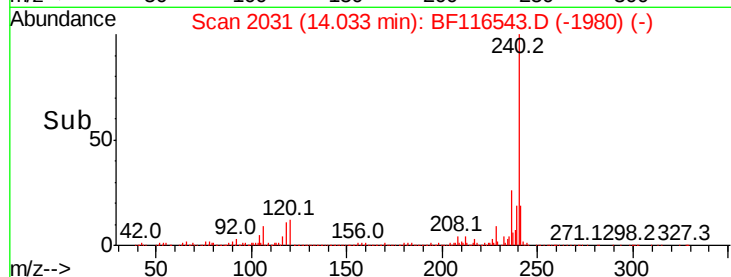
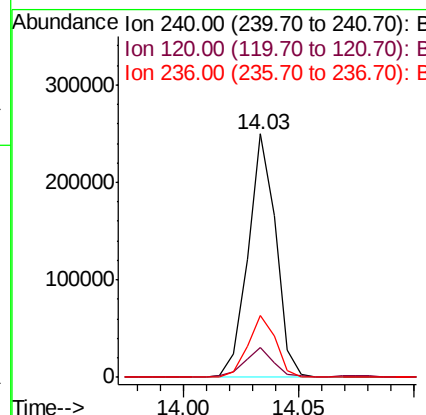
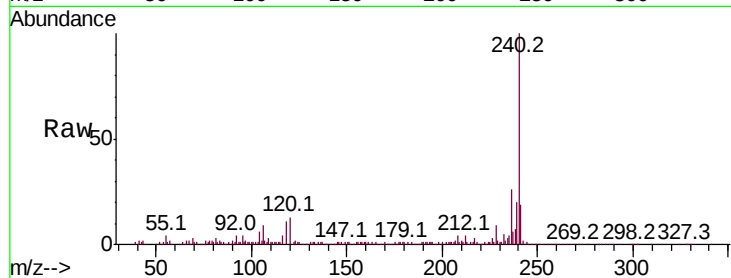




#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.03 min Scan# 2031
Delta R.T. 0.00 min
Lab File: BF116543.D
Acq: 25 Aug 2019 20:18

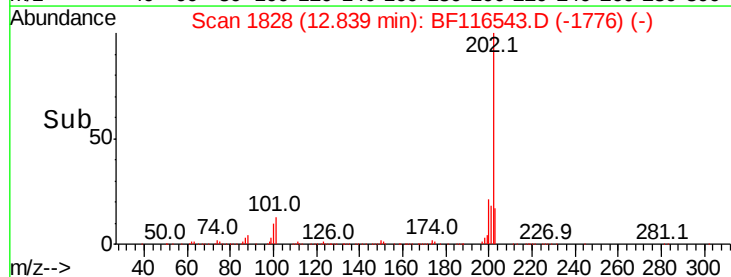
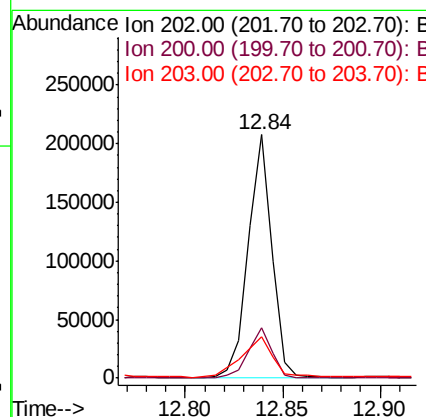
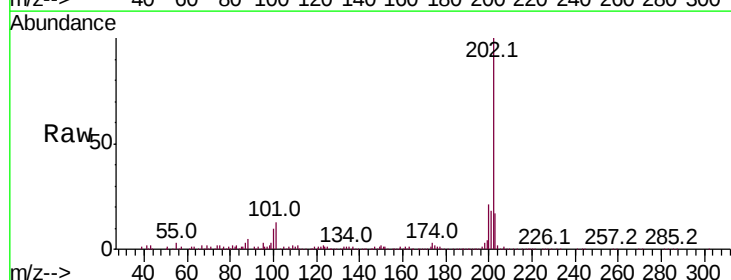
Instrument :
BNA_F
ClientSampleId :

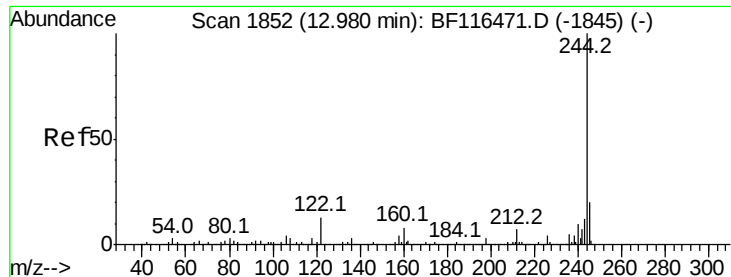
Tot Ion	Ratio	Lower	Upper
240	100		
120	12.5	10.5	15.7
236	25.7	20.2	30.2



#78
Pyrene
Concen: 10.338 ng
RT: 12.84 min Scan# 1828
Delta R.T. 0.01 min
Lab File: BF116543.D
Acq: 25 Aug 2019 20:18

Tgt Ion	Ratio	Lower	Upper
202	100		
200	20.9	17.0	25.4
203	17.0	14.2	21.4





#79

Terphenyl-d14

Concen: 53.704 ng

RT: 12.98 min Scan# 1852

Delta R.T. 0.00 min

Lab File: BF116543.D

Acq: 25 Aug 2019 20:18

Instrument :

BNA_F

ClientSampleId :

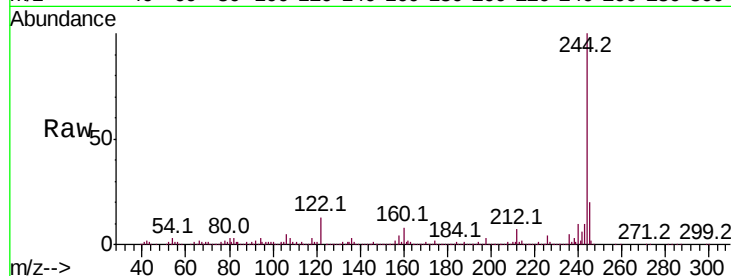
Tot Ion:244 Resp: 605022

Ion Ratio Lower Upper

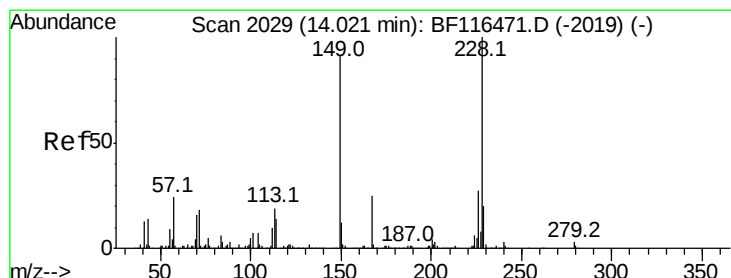
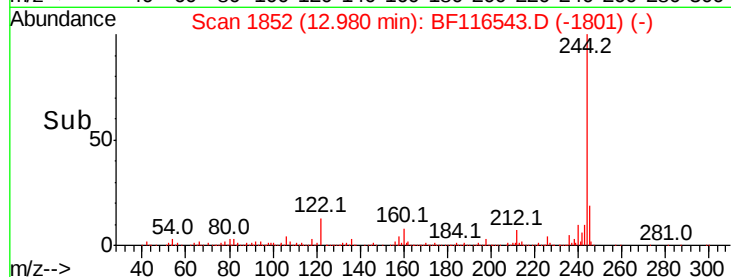
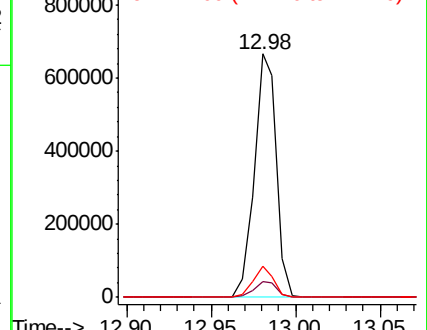
244 100

212 6.7 5.7 8.5

122 13.0 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: 6.448 ng

RT: 14.02 min Scan# 2029

Delta R.T. 0.00 min

Lab File: BF116543.D

Acq: 25 Aug 2019 20:18

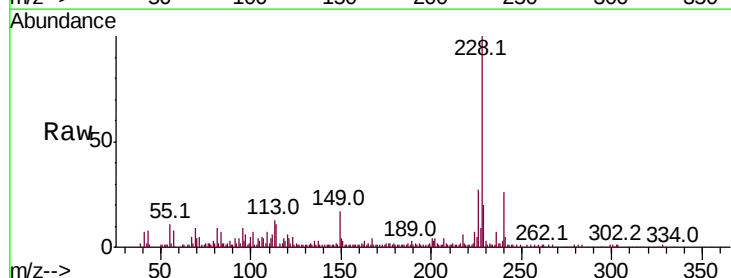
Tgt Ion:228 Resp: 87874

Ion Ratio Lower Upper

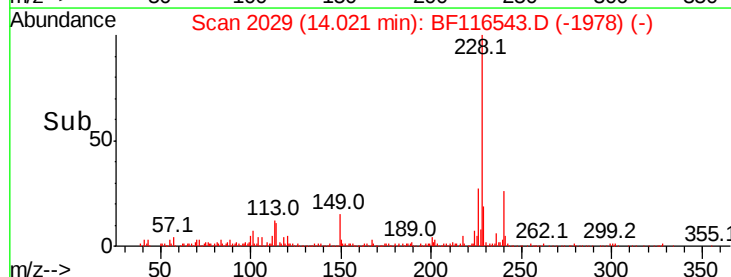
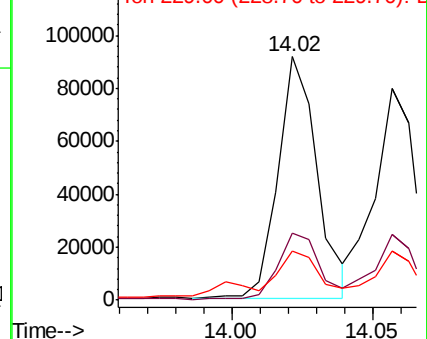
228 100

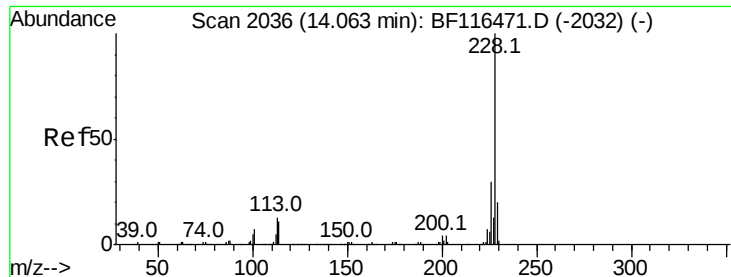
226 27.3 21.8 32.6

229 20.0 15.9 23.9



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

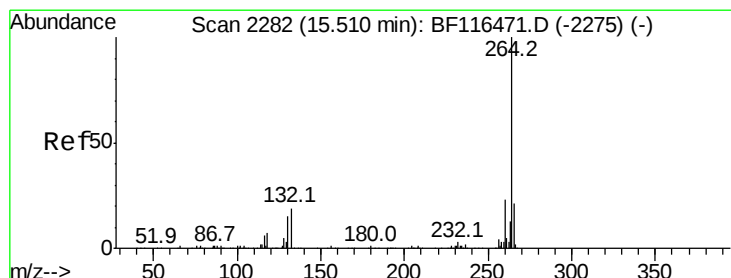
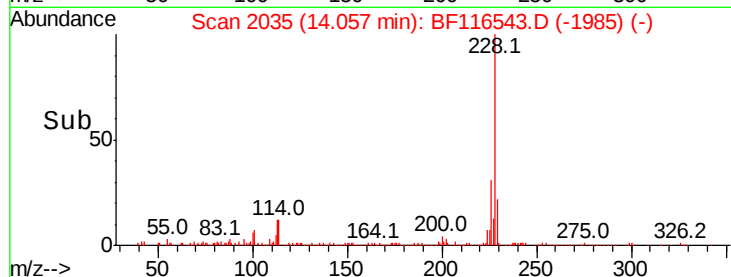
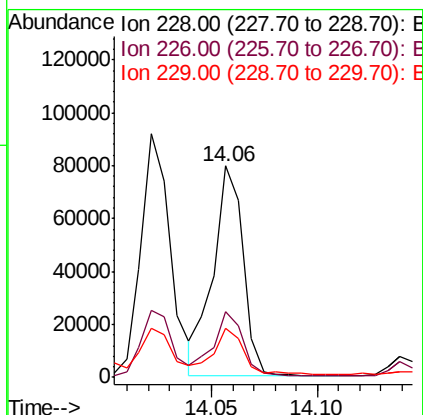
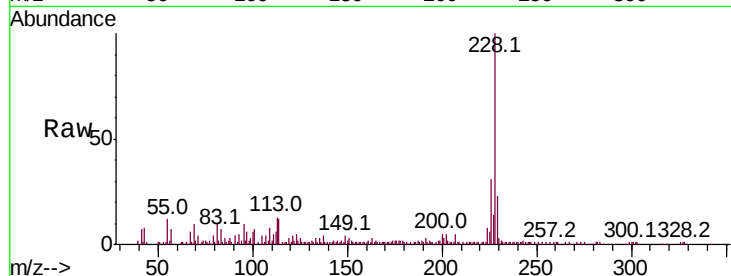




#83
Chrysene
Concen: 5.712 ng
RT: 14.06 min Scan# 2035
Delta R.T. -0.01 min
Lab File: BF116543.D
Acq: 25 Aug 2019 20:18

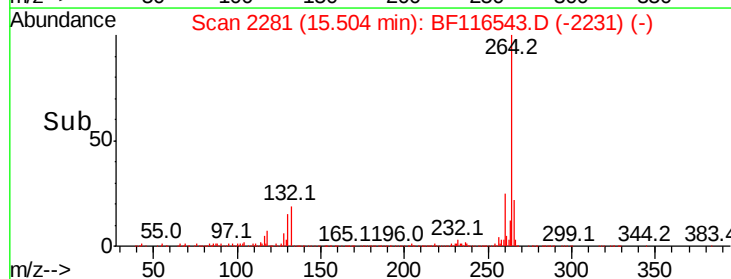
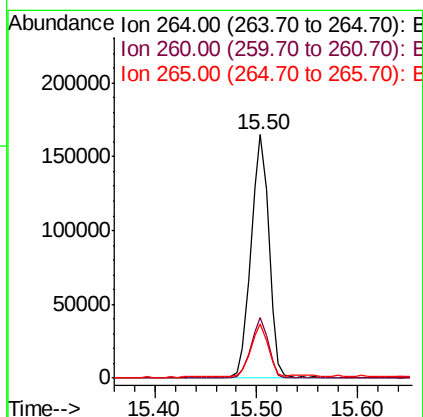
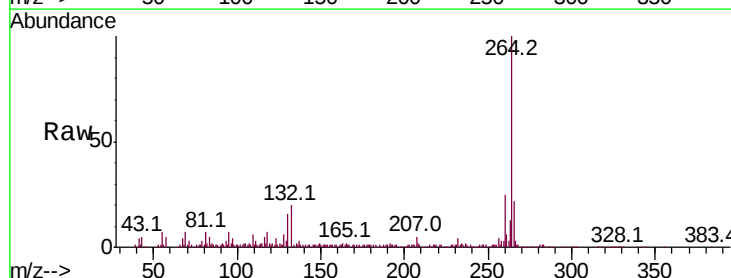
Instrument :
BNA_F
ClientSampleId :

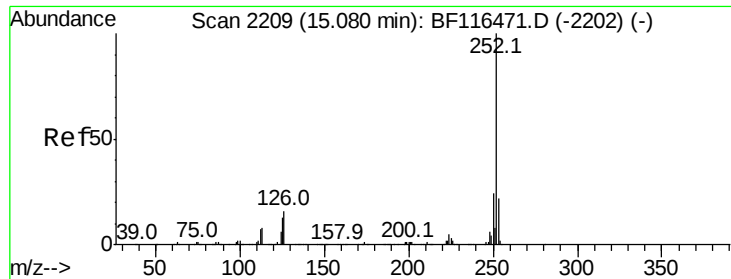
Tot Ion:228	Resp: 78908
Ion Ratio	Lower Upper
228 100	
226 30.9	24.2 36.2
229 23.2	15.8 23.6



#87
Perylene-d12
Concen: 20.000 ng
RT: 15.50 min Scan# 2281
Delta R.T. -0.01 min
Lab File: BF116543.D
Acq: 25 Aug 2019 20:18

Tgt	Ion:264	Resp:	204477
Ion	Ratio	Lower	Upper
264	100		
260	24.8	18.8	28.2
265	22.4	17.1	25.7

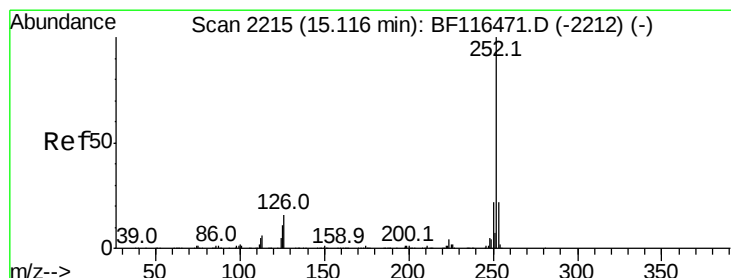
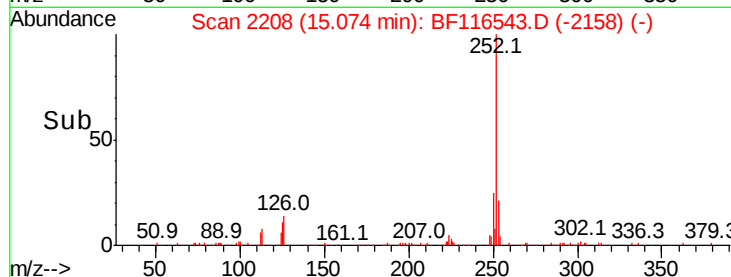
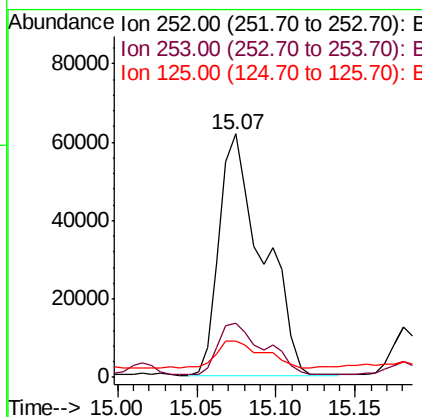
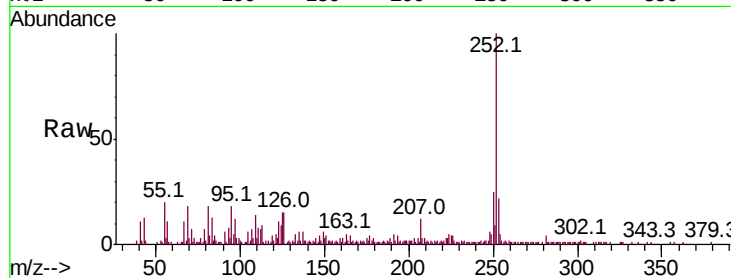




#88
Benzo(b)fluoranthene
Concen: 9.335 ng
RT: 15.07 min Scan# 2208
Delta R.T. -0.01 min
Lab File: BF116543.D
Acq: 25 Aug 2019 20:18

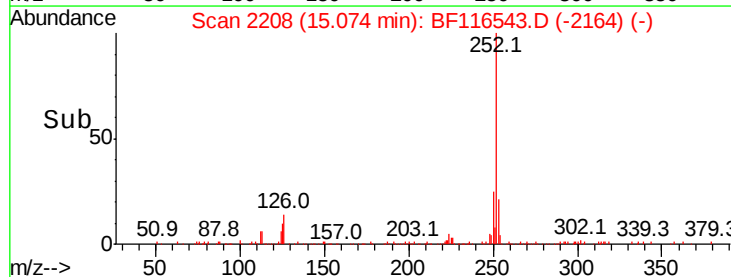
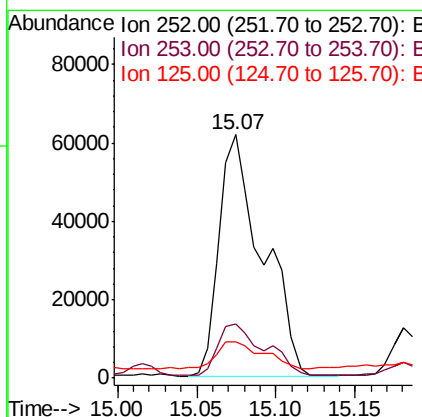
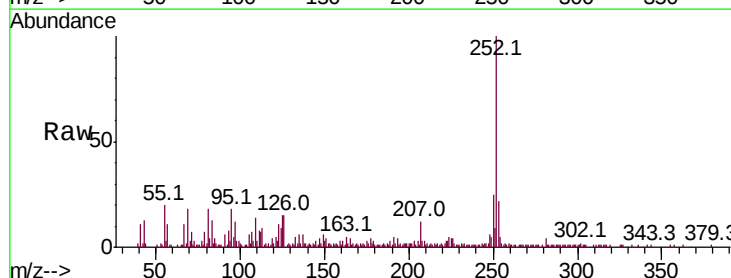
Instrument :
BNA_F
ClientSampleId :

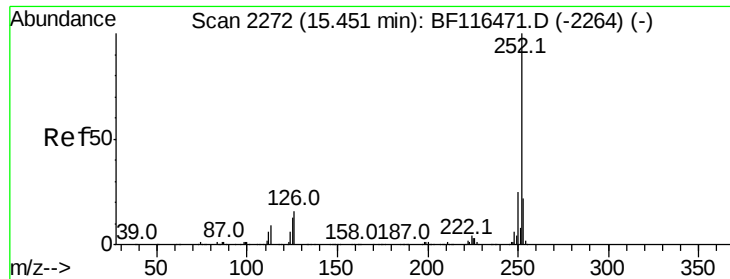
Tot Ion	Ratio	Lower	Upper
252	100		
253	22.5	17.5	26.3
125	14.9	10.1	15.1



#89
Benzo(k)fluoranthene
Concen: 10.304 ng
RT: 15.07 min Scan# 2208
Delta R.T. -0.04 min
Lab File: BF116543.D
Acq: 25 Aug 2019 20:18

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.5	17.4	26.2
125	14.9	9.1	13.7#

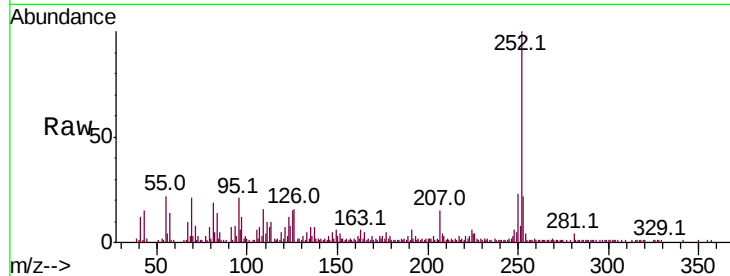




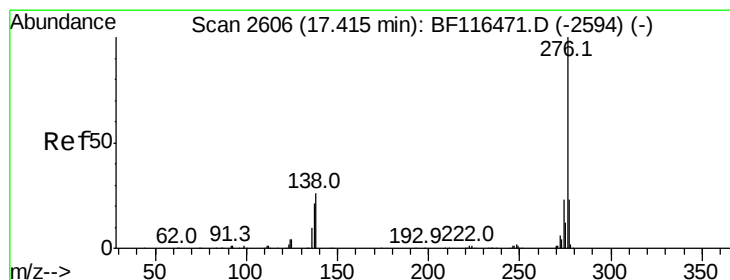
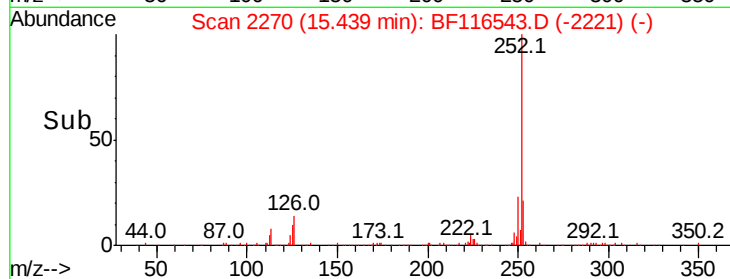
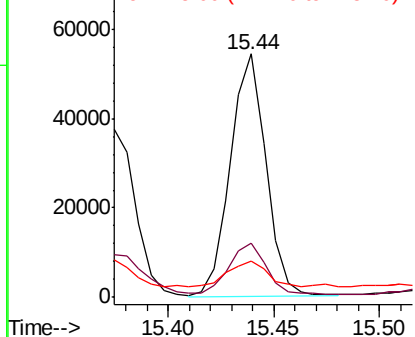
#90
Benzo(a)pyrene
Concen: 5.655 ng
RT: 15.44 min Scan# 2270
Delta R.T. -0.01 min
Lab File: BF116543.D
Acq: 25 Aug 2019 20:18

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
252	100		
253	22.1	17.2	25.8
125	14.9	10.2	15.4

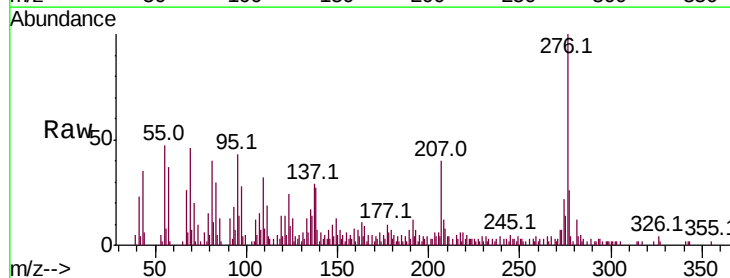


Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E



#92
Benzo(g,h,i)perylene
Concen: 3.928 ng
RT: 17.41 min Scan# 2605
Delta R.T. -0.01 min
Lab File: BF116543.D
Acq: 25 Aug 2019 20:18

Tgt Ion	Ratio	Lower	Upper
276	100		
277	25.7	18.7	28.1
138	27.2	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

