

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF082319\
 Data File : BF116495.D
 Acq On : 23 Aug 2019 23:29
 Operator : HP/JU
 Sample : K4386-11
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 T6-A1-A4-(0-2)

Quant Time: Aug 24 03:36:29 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	6.88	152	109275	20.00	ng	0.00
21) Naphthalene-d8	8.16	136	398956	20.00	ng	0.00
39) Acenaphthene-d10	9.92	164	177315	20.00	ng	0.00
64) Phenanthrene-d10	11.39	188	256650	20.00	ng	0.00
76) Chrysene-d12	14.03	240	200153	20.00	ng	0.00
87) Perylene-d12	15.49	264	254118	20.00	ng	-0.02

System Monitoring Compounds

5) 2-Fluorophenol	5.50	112	530008	70.87	ng	0.00
7) Phenol-d6	6.50	99	694860	75.78	ng	0.00
23) Nitrobenzene-d5	7.44	82	431352	59.15	ng	0.00
42) 2,4,6-Tribromophenol	10.70	330	108134	71.02	ng	0.00
45) 2-Fluorobiphenyl	9.23	172	608718	55.28	ng	0.00
79) Terphenyl-d14	12.97	244	460625	42.99	ng	0.00

Target Compounds

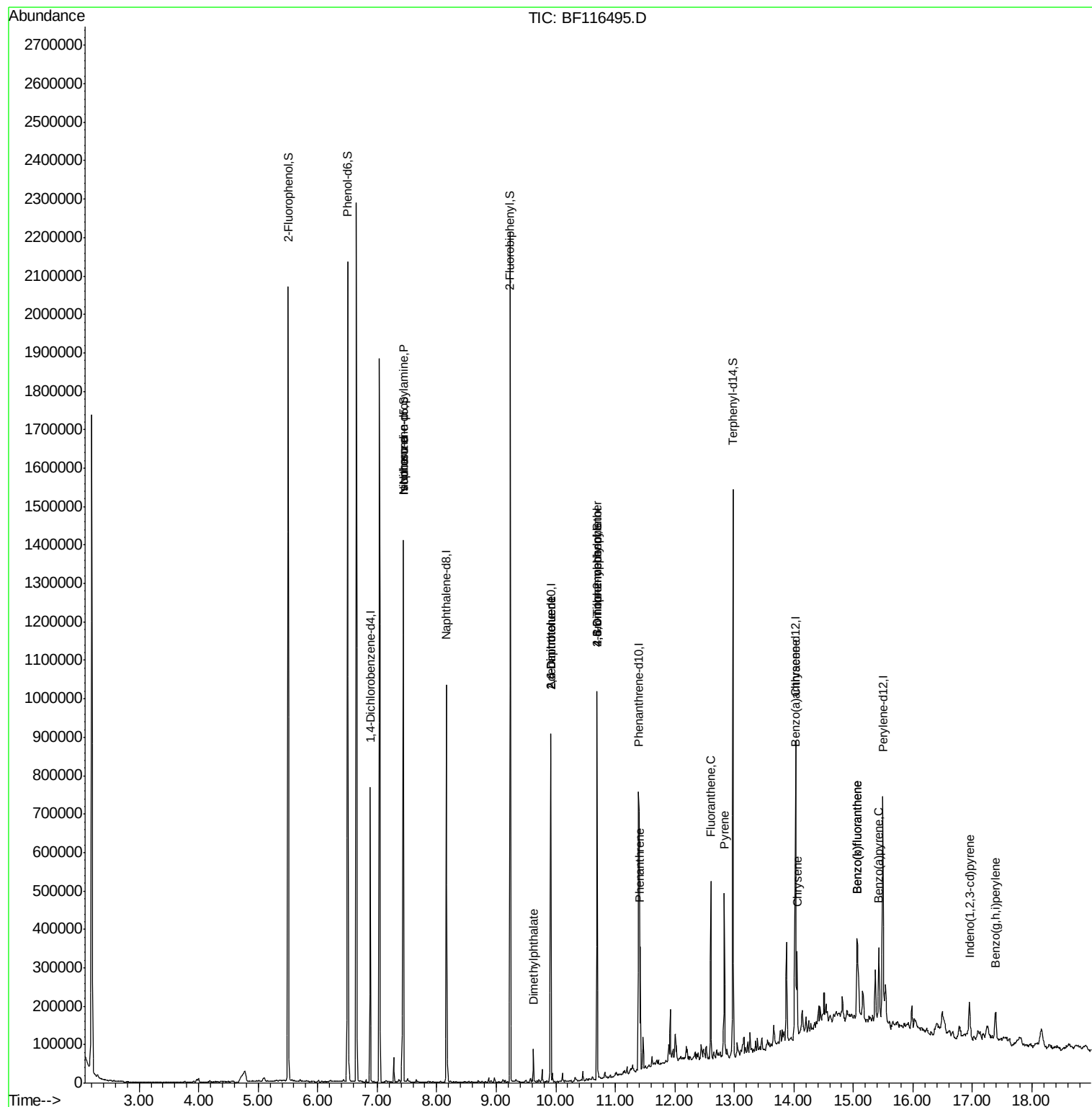
						Qvalue
19) n-Nitroso-di-n-propylamine	7.44	70	57696	9.221	ng	# 76
25) Isophorone	7.44	82	431346	30.016	ng	# 67
50) Dimethylphthalate	9.62	163	28183	2.278	ng	99
51) 2,6-Dinitrotoluene	9.92	165	23372	9.230	ng	# 25
57) 2,4-Dinitrotoluene	9.92	165	23372	7.254	ng	# 21
65) 4,6-Dinitro-2-methylphenol	10.70	198	268	7.223	ng	# 1
67) 4-Bromophenyl-phenylether	10.70	248	7083	2.632	ng	# 1
71) Phenanthrene	11.42	178	107881	7.716	ng	99
75) Fluoranthene	12.60	202	165800	11.470	ng	99
78) Pyrene	12.83	202	157196	9.821	ng	99
81) Benzo(a)anthracene	14.02	228	87148	6.723	ng	96
83) Chrysene	14.05	228	75495	5.746	ng	97
86) Indeno(1,2,3-cd)pyrene	16.95	276	60347	5.362	ng	97
88) Benzo(b)fluoranthene	15.06	252	143272	9.127	ng	97
89) Benzo(k)fluoranthene	15.06	252	143272	10.074	ng	96
90) Benzo(a)pyrene	15.43	252	84069	6.059	ng	97
92) Benzo(g,h,i)perylene	17.39	276	58862	5.416	ng	96

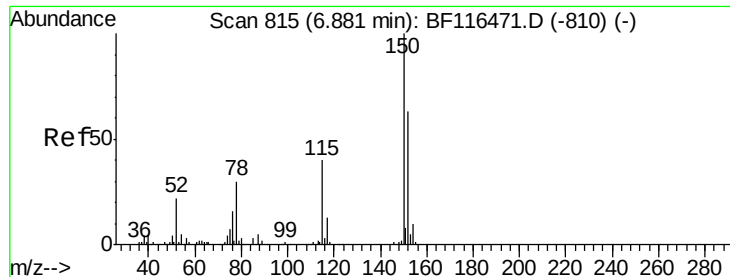
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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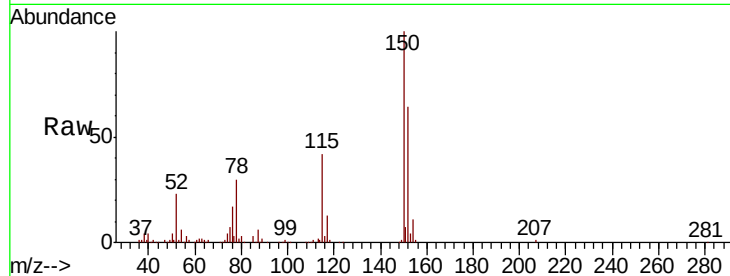


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.88 min Scan# 815
Delta R.T. -0.00 min
Lab File: BF116495.D
Acq: 23 Aug 2019 23:29

Instrument :
BNA_F
ClientSampleId :
T6-A1-A4-(0-2)

Tgt Ion	Ratio	Lower	Upper
152	100		
150	156.8	126.7	190.1
115	65.7	50.9	76.3

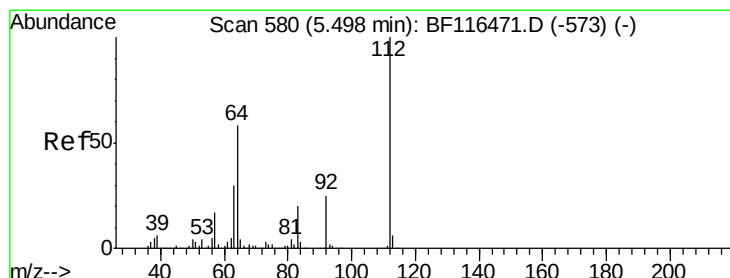
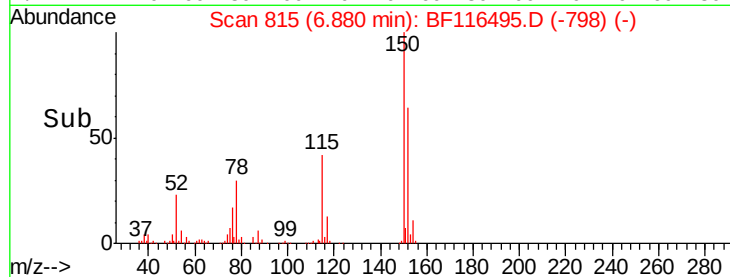
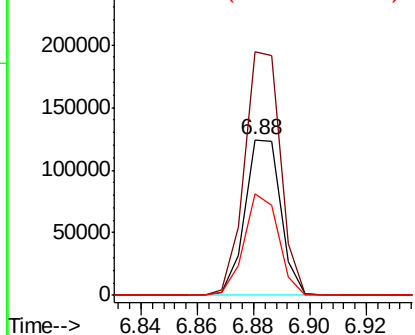


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

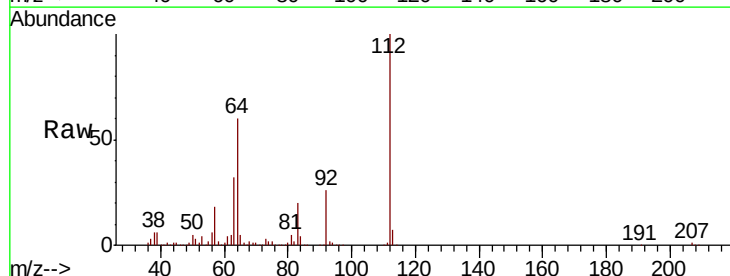
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 70.869 ng
RT: 5.50 min Scan# 581
Delta R.T. 0.01 min
Lab File: BF116495.D
Acq: 23 Aug 2019 23:29

Tgt Ion	Ratio	Lower	Upper
112	100		
64	60.3	46.3	69.5
63	31.5	24.2	36.4

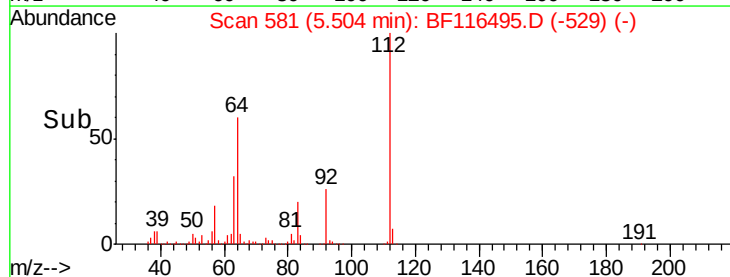
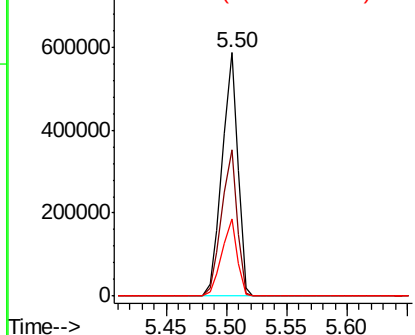


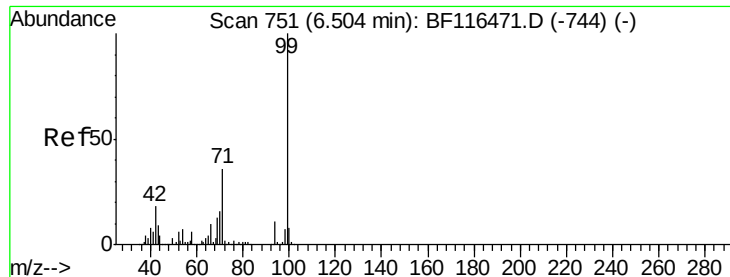
Abundance

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: 75.775 ng

RT: 6.50 min Scan# 751

Delta R.T. -0.00 min

Lab File: BF116495.D

Acq: 23 Aug 2019 23:29

Instrument :

BNA_F

ClientSampleId :

T6-A1-A4-(0-2)

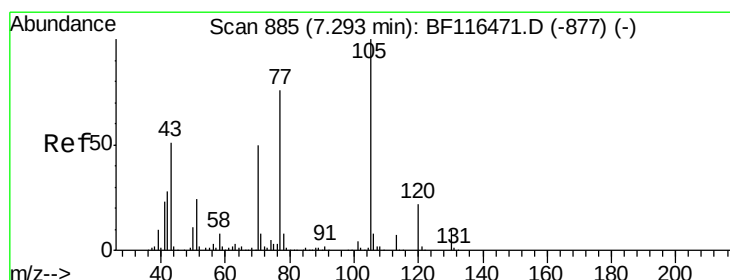
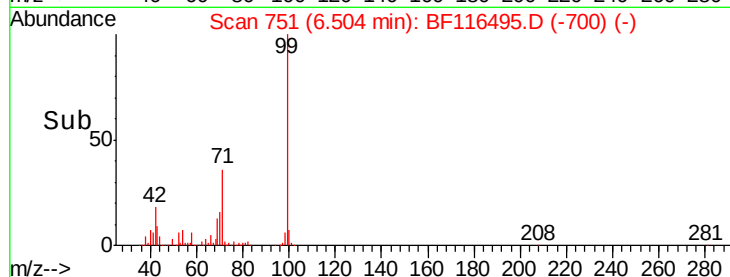
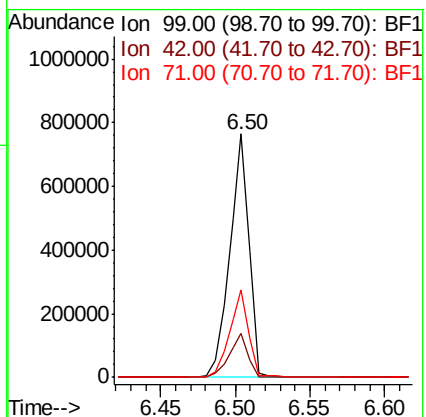
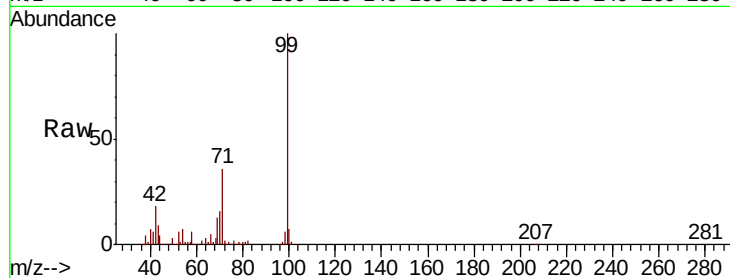
Tgt Ion: 99 Resp: 694860

Ion Ratio Lower Upper

99 100

42 18.1 14.6 21.8

71 36.0 28.5 42.7



#19

n-Nitroso-di-n-propylamine

Concen: 9.221 ng

RT: 7.44 min Scan# 910

Delta R.T. 0.15 min

Lab File: BF116495.D

Acq: 23 Aug 2019 23:29

Tgt Ion: 70 Resp: 57696

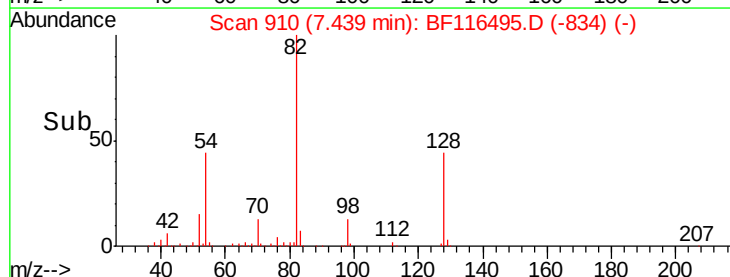
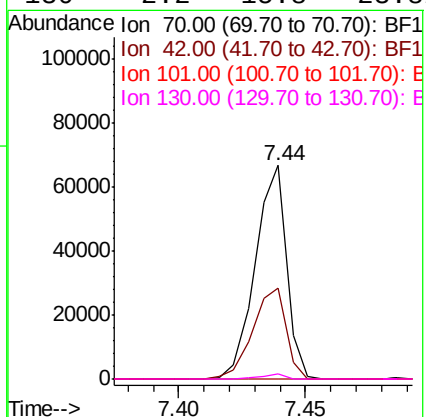
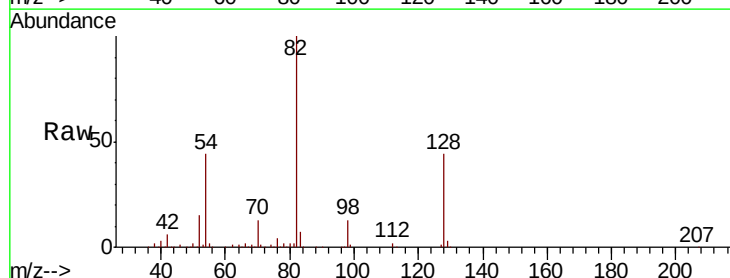
Ion Ratio Lower Upper

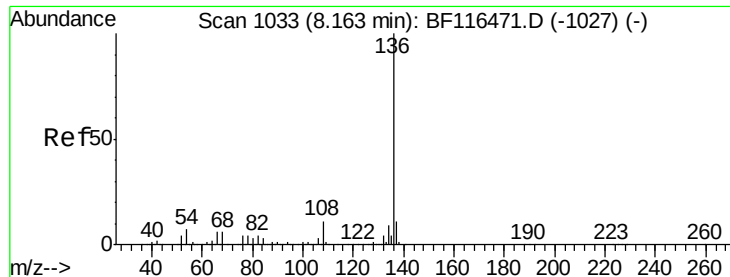
70 100

42 42.3 44.4 66.6#

101 0.0 7.1 10.7#

130 2.2 15.8 23.8#

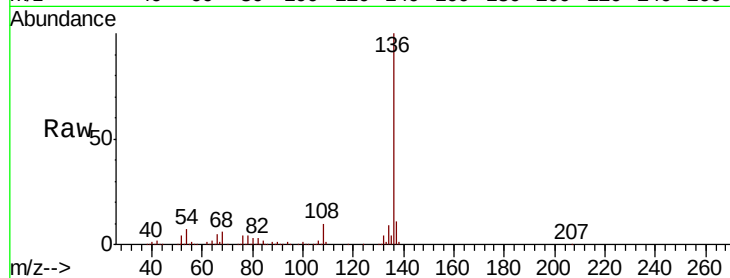




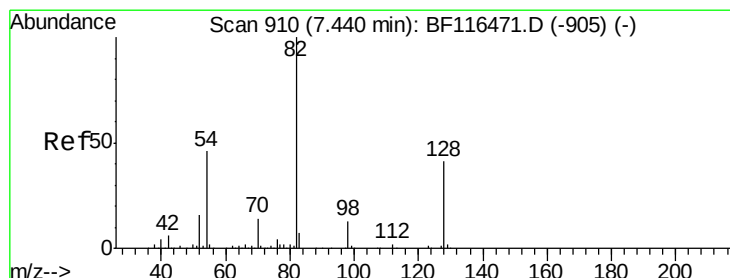
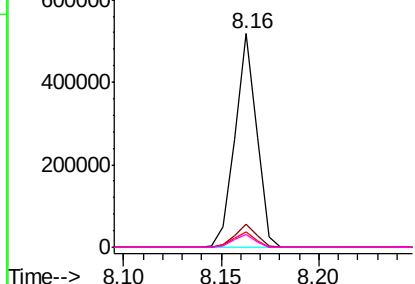
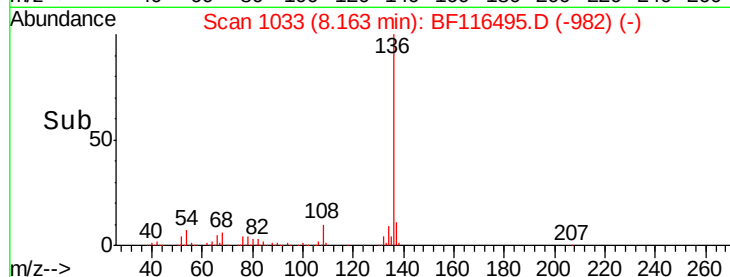
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.16 min Scan# 1033
Delta R.T. -0.00 min
Lab File: BF116495.D
Acq: 23 Aug 2019 23:29

Instrument :
BNA_F
ClientSampleId :
T6-A1-A4-(0-2)

Tgt Ion:	136	Resp:	398956
Ion	Ratio	Lower	Upper
136	100		
137	10.7	9.0	13.4
54	7.1	5.8	8.6
68	6.1	5.1	7.7

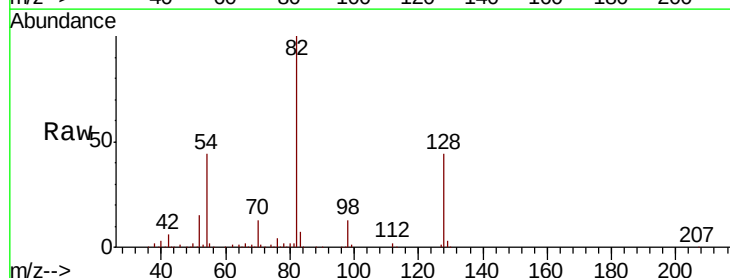


Abundance Ion 136.00 (135.70 to 136.70): E
800000
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF1
Ion 68.00 (67.70 to 68.70): BF1

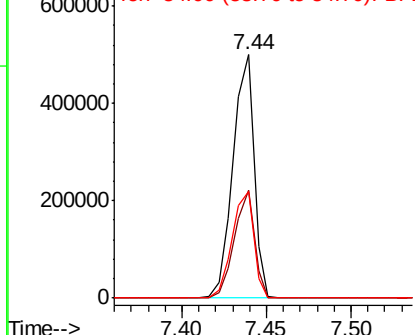
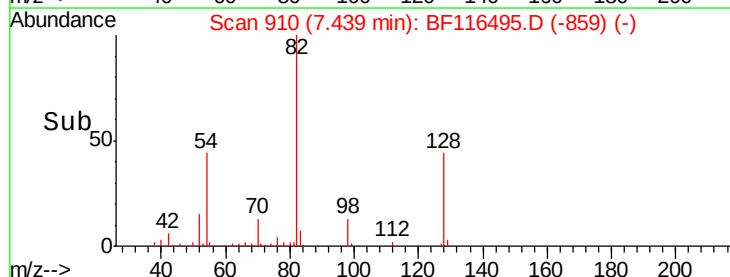


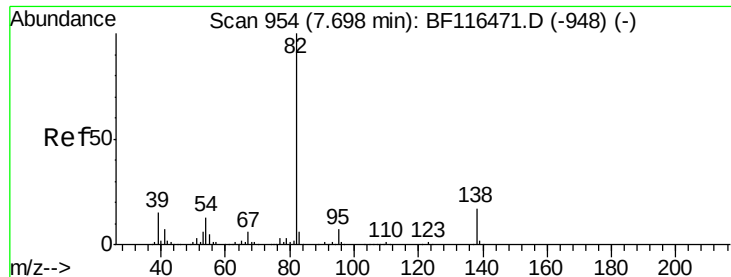
#23
Nitrobenzene-d5
Concen: 59.153 ng
RT: 7.44 min Scan# 910
Delta R.T. -0.00 min
Lab File: BF116495.D
Acq: 23 Aug 2019 23:29

Tgt Ion:	82	Resp:	431352
Ion	Ratio	Lower	Upper
82	100		
128	44.1	32.2	48.4
54	43.9	36.5	54.7



Abundance Ion 82.00 (81.70 to 82.70): BF1
Ion 128.00 (127.70 to 128.70): E
Ion 54.00 (53.70 to 54.70): BF1





#25

Isophorone

Concen: 30.016 ng

RT: 7.44 min Scan# 910

Delta R.T. -0.26 min

Lab File: BF116495.D

Acq: 23 Aug 2019 23:29

Instrument :

BNA_F

ClientSampleId :

T6-A1-A4-(0-2)

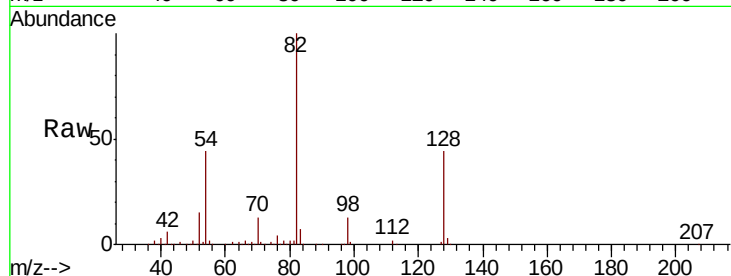
Tgt Ion: 82 Resp: 431346

Ion Ratio Lower Upper

82 100

95 0.0 5.3 7.9#

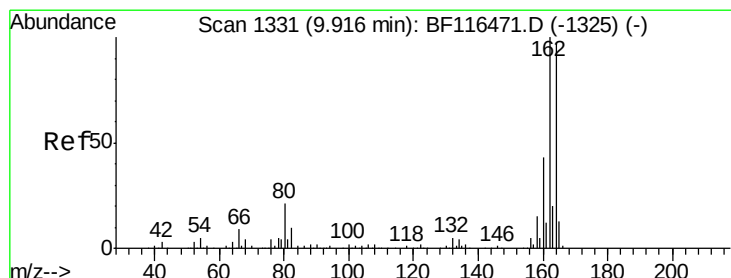
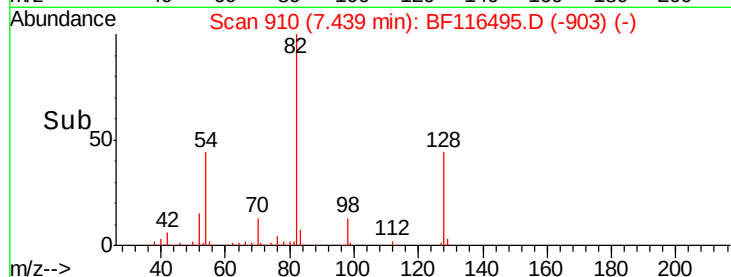
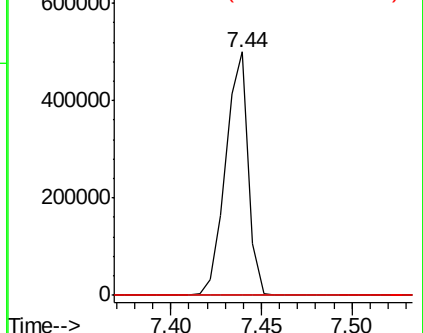
138 0.0 13.3 19.9#



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: 9.92 min Scan# 1331

Delta R.T. -0.00 min

Lab File: BF116495.D

Acq: 23 Aug 2019 23:29

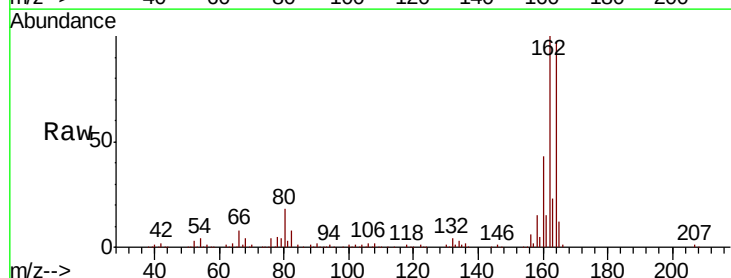
Tgt Ion: 164 Resp: 177315

Ion Ratio Lower Upper

164 100

162 103.3 82.6 123.8

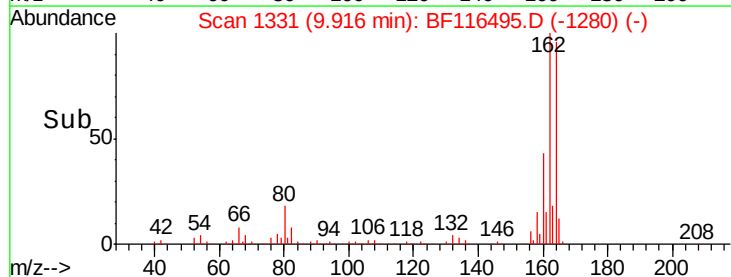
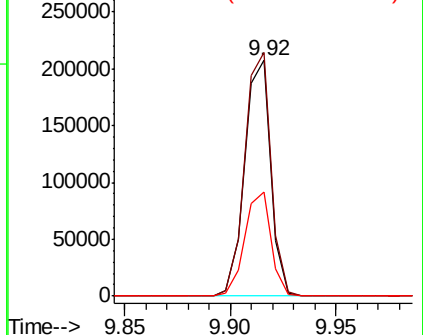
160 44.3 35.8 53.8

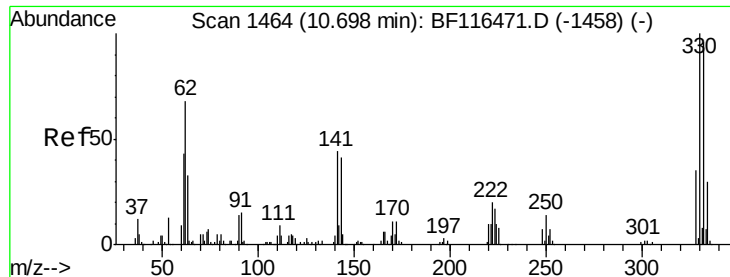


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

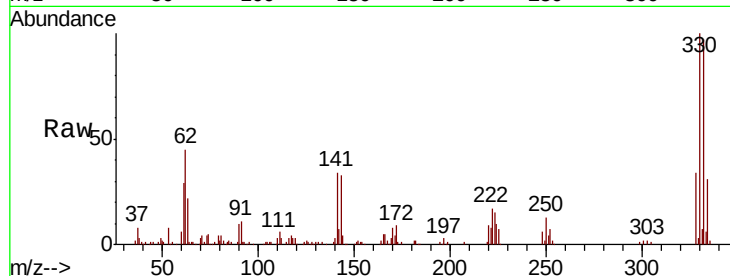




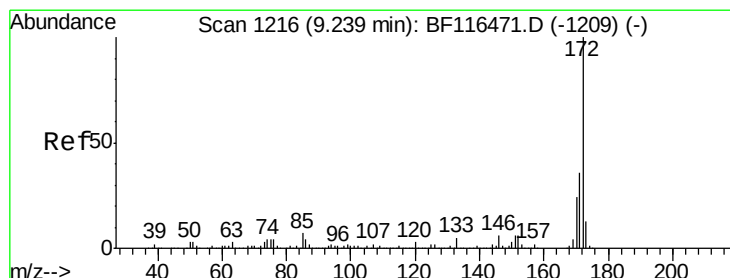
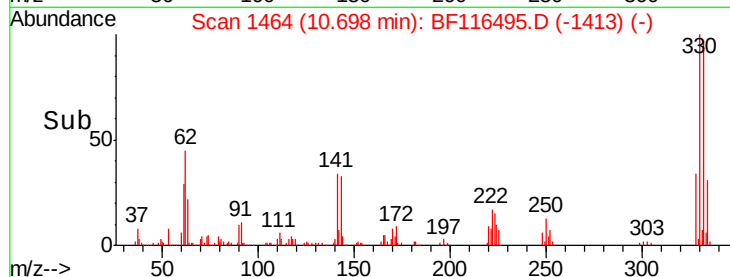
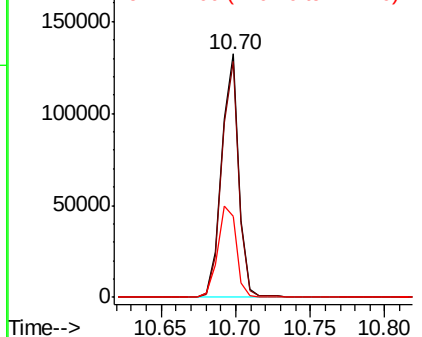
#42
 2,4,6-Tribromophenol
 Concen: 71.021 ng
 RT: 10.70 min Scan# 1464
 Delta R.T. -0.00 min
 Lab File: BF116495.D
 Acq: 23 Aug 2019 23:29

Instrument :
 BNA_F
 ClientSampleId :
 T6-A1-A4-(0-2)

Tgt Ion:330 Resp: 108134
 Ion Ratio Lower Upper
 330 100
 332 96.6 77.2 115.8
 141 40.6 33.3 49.9

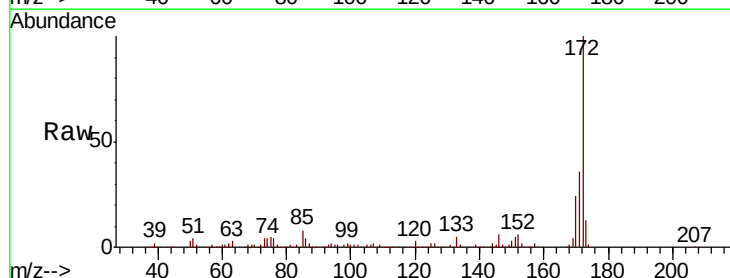


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

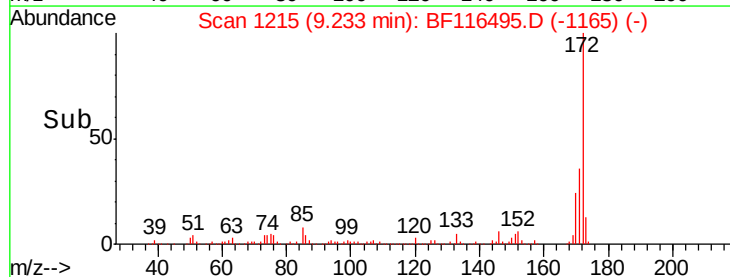
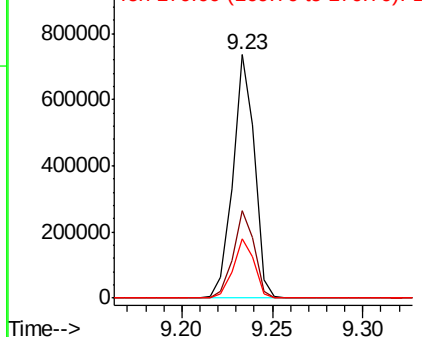


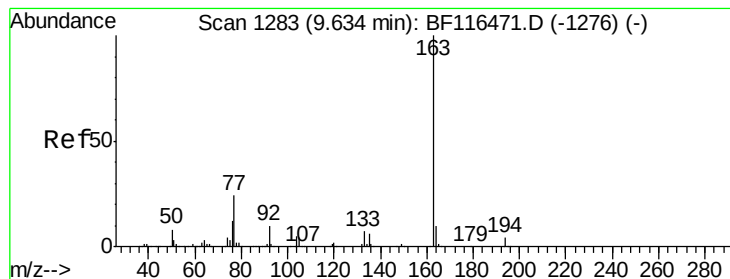
#45
 2-Fluorobiphenyl
 Concen: 55.285 ng
 RT: 9.23 min Scan# 1215
 Delta R.T. -0.01 min
 Lab File: BF116495.D
 Acq: 23 Aug 2019 23:29

Tgt Ion:172 Resp: 608718
 Ion Ratio Lower Upper
 172 100
 171 35.8 28.9 43.3
 170 24.1 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: 2.278 ng

RT: 9.62 min Scan# 1281

Delta R.T. -0.01 min

Lab File: BF116495.D

Acq: 23 Aug 2019 23:29

Instrument :

BNA_F

ClientSampleId :

T6-A1-A4-(0-2)

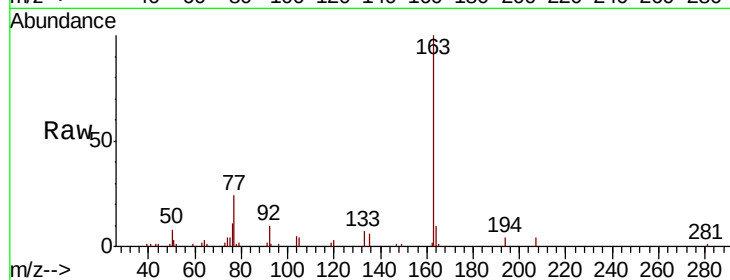
Tgt Ion:163 Resp: 28183

Ion Ratio Lower Upper

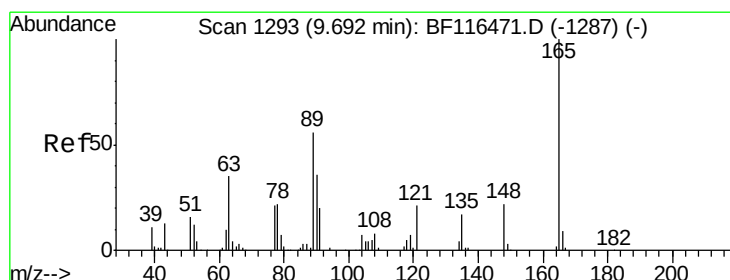
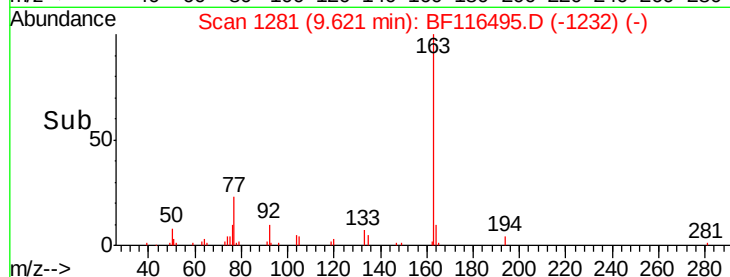
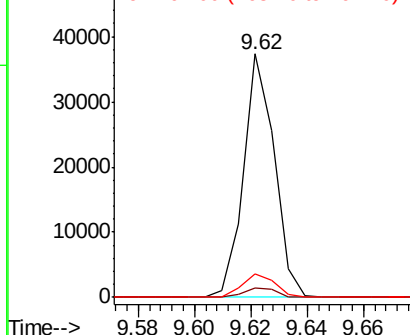
163 100

194 3.7 2.9 4.3

164 9.5 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



#51

2,6-Dinitrotoluene

Concen: 9.230 ng

RT: 9.92 min Scan# 1331

Delta R.T. 0.22 min

Lab File: BF116495.D

Acq: 23 Aug 2019 23:29

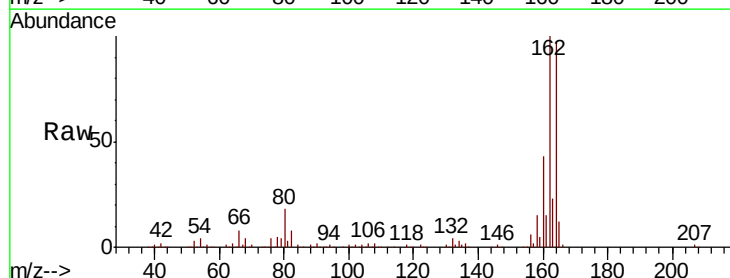
Tgt Ion:165 Resp: 23372

Ion Ratio Lower Upper

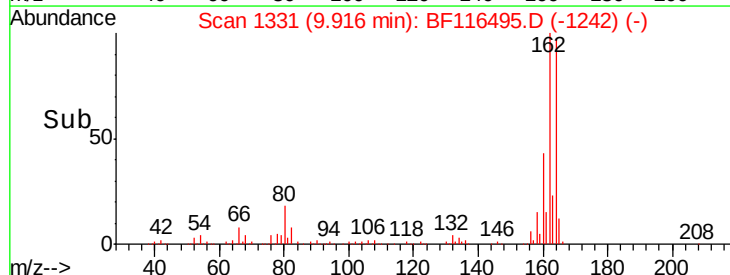
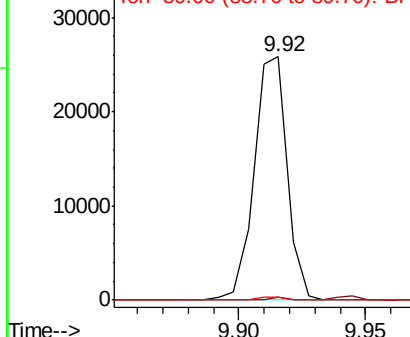
165 100

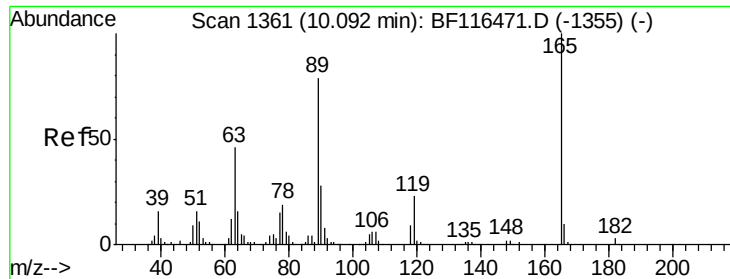
63 1.2 43.7 65.5#

89 1.5 45.1 67.7#



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

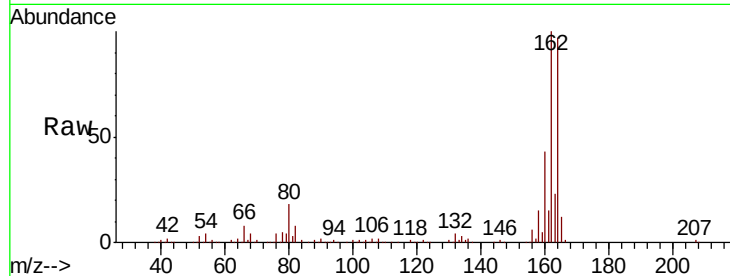




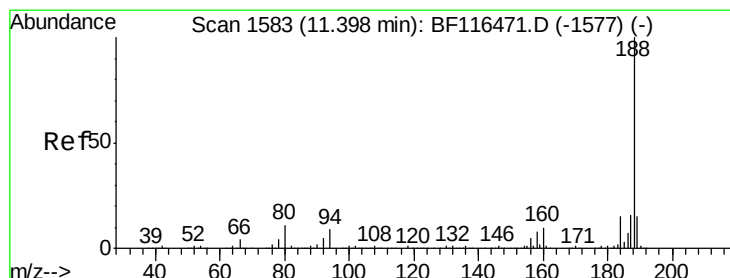
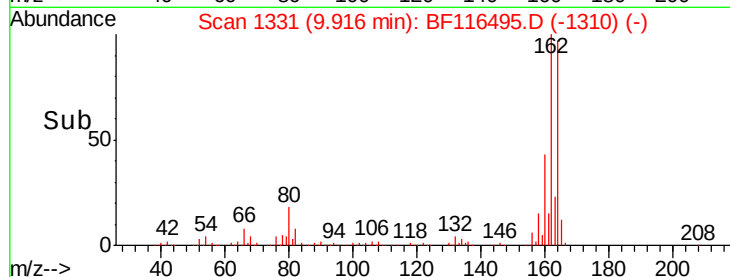
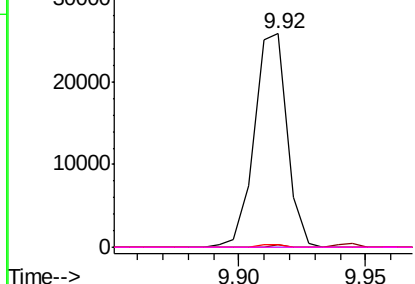
#57
 2,4-Dinitrotoluene
 Concen: 7.254 ng
 RT: 9.92 min Scan# 1331
 Delta R.T. -0.18 min
 Lab File: BF116495.D
 Acq: 23 Aug 2019 23:29

Instrument :
 BNA_F
 ClientSampleId :
 T6-A1-A4-(0-2)

Tgt Ion:	165	Resp:	23372
Ion	Ratio	Lower	Upper
165	100		
63	1.2	36.9	55.3#
89	1.5	63.4	95.0#
182	0.0	2.1	3.1#

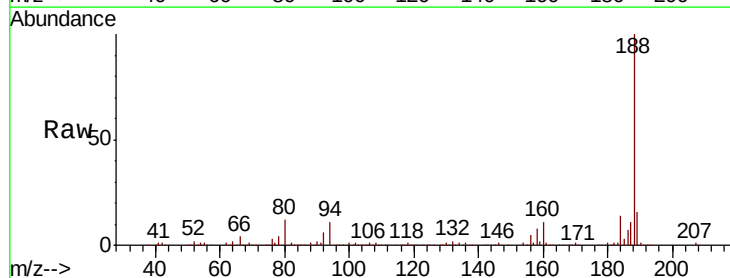


Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BF1
 Ion 89.00 (88.70 to 89.70): BF1
 Ion 182.00 (181.70 to 182.70): E

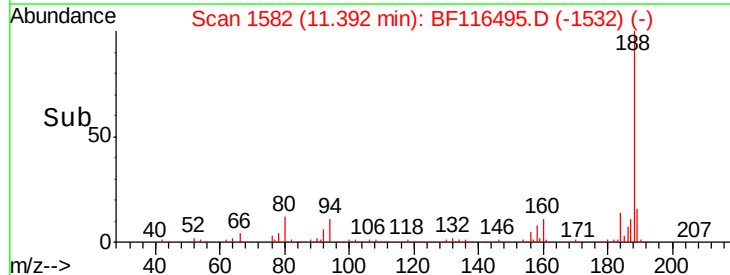
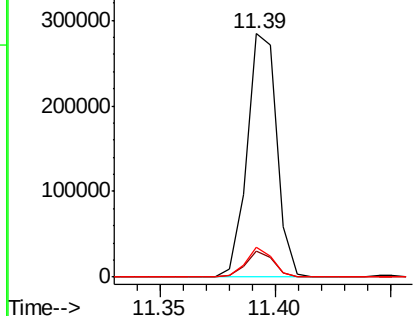


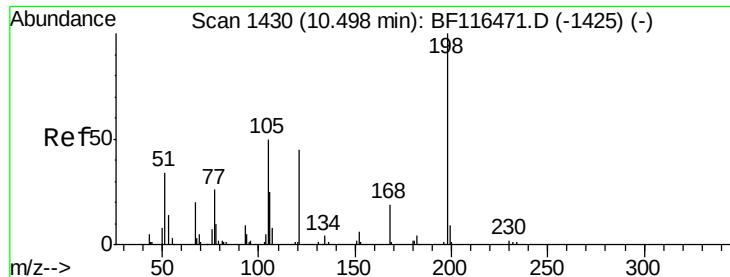
#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.39 min Scan# 1582
 Delta R.T. -0.01 min
 Lab File: BF116495.D
 Acq: 23 Aug 2019 23:29

Tgt Ion:	188	Resp:	256650
Ion	Ratio	Lower	Upper
188	100		
94	10.8	7.4	11.2
80	12.0	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

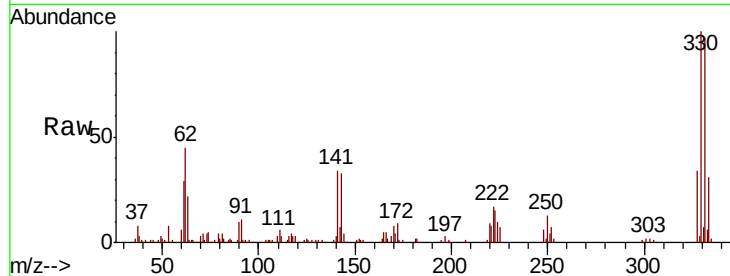




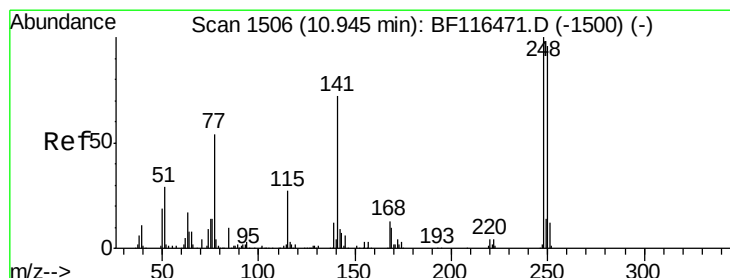
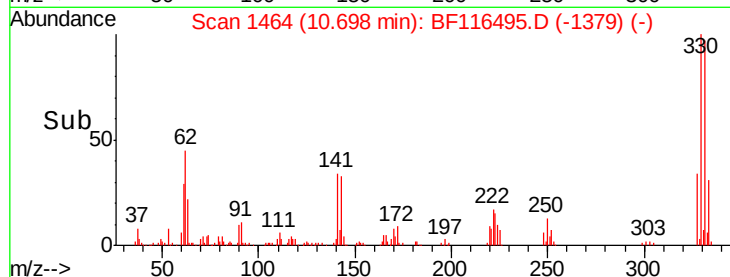
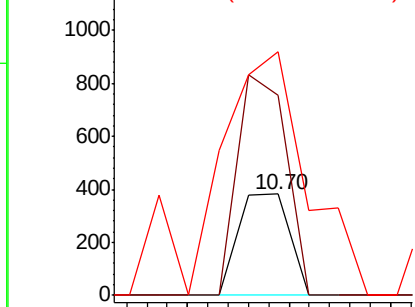
#65
 4,6-Dinitro-2-methylphenol
 Concen: 7.223 ng
 RT: 10.70 min Scan# 1464
 Delta R.T. 0.20 min
 Lab File: BF116495.D
 Acq: 23 Aug 2019 23:29

Instrument :
 BNA_F
 ClientSampleId :
 T6-A1-A4-(0-2)

Tgt Ion:198 Resp: 268
 Ion Ratio Lower Upper
 198 100
 51 198.2 30.4 70.4#
 105 241.2 32.8 72.8#

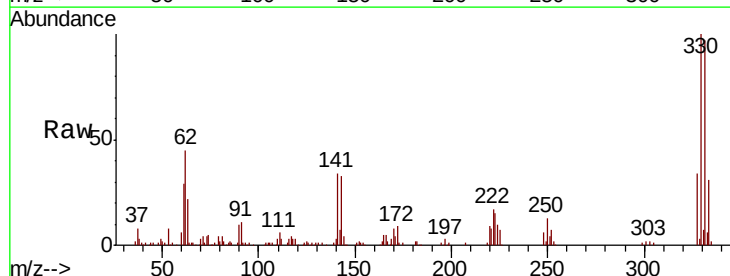


Abundance Ion 198.00 (197.70 to 198.70): E
 Ion 51.00 (50.70 to 51.70): BF1
 Ion 105.00 (104.70 to 105.70): E

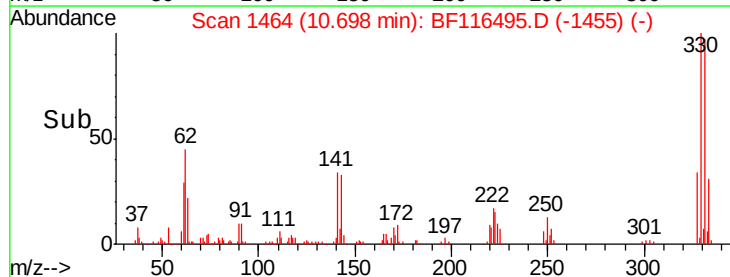
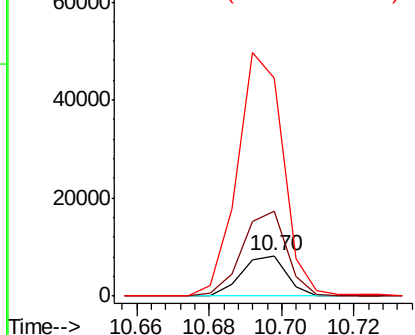


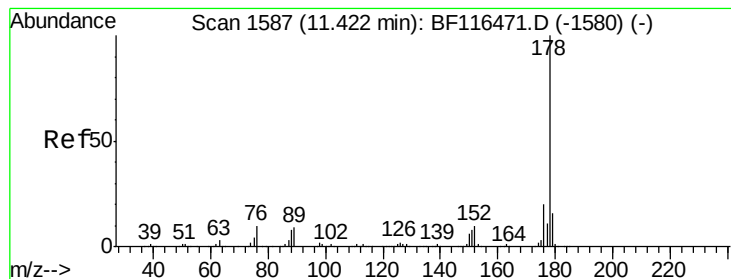
#67
 4-Bromophenyl-phenylether
 Concen: 2.632 ng
 RT: 10.70 min Scan# 1464
 Delta R.T. -0.25 min
 Lab File: BF116495.D
 Acq: 23 Aug 2019 23:29

Tgt Ion:248 Resp: 7083
 Ion Ratio Lower Upper
 248 100
 250 211.1 77.0 115.6#
 141 540.1 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: 7.716 ng

RT: 11.42 min Scan# 1586

Delta R.T. -0.01 min

Lab File: BF116495.D

Acq: 23 Aug 2019 23:29

Instrument :

BNA_F

ClientSampleId :

T6-A1-A4-(0-2)

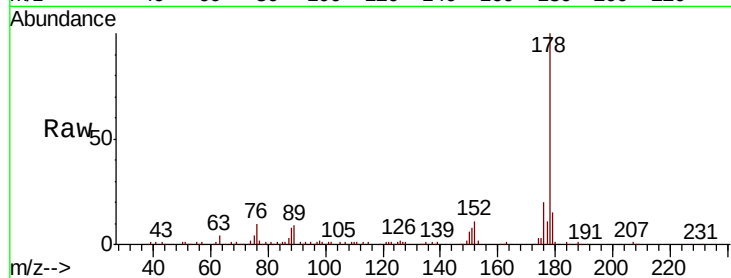
Tgt Ion:178 Resp: 107881

Ion Ratio Lower Upper

178 100

176 19.9 15.8 23.6

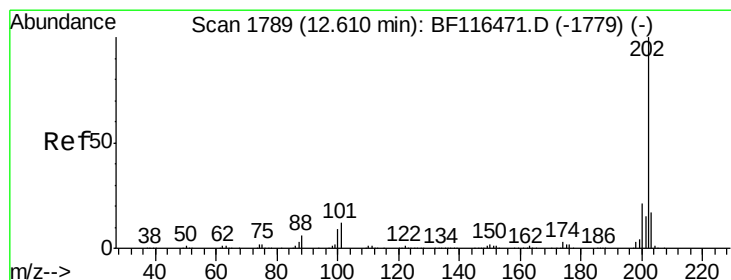
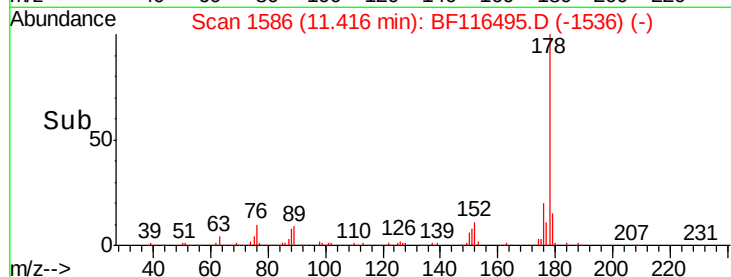
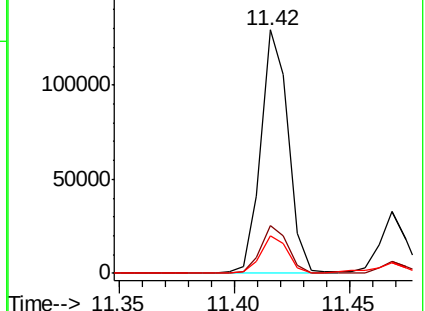
179 15.2 12.8 19.2



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: 11.470 ng

RT: 12.60 min Scan# 1788

Delta R.T. -0.01 min

Lab File: BF116495.D

Acq: 23 Aug 2019 23:29

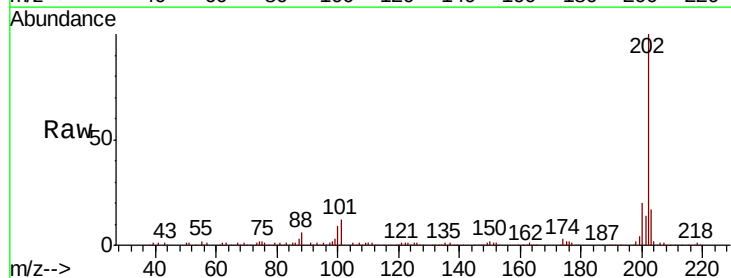
Tgt Ion:202 Resp: 165800

Ion Ratio Lower Upper

202 100

101 11.9 0.0 31.5

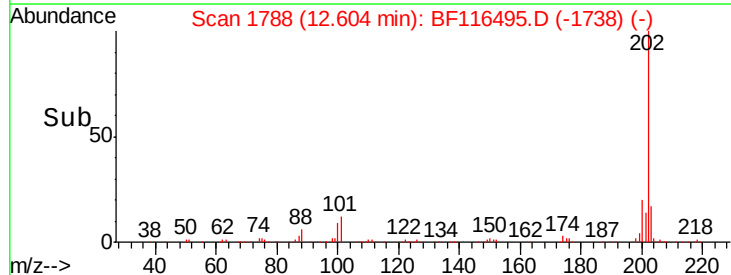
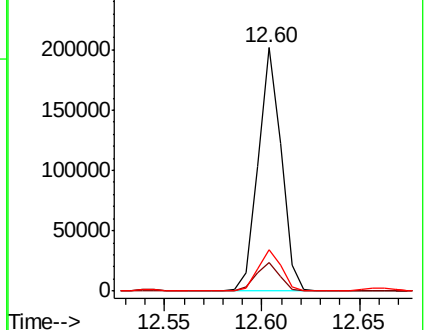
203 17.1 0.0 37.5

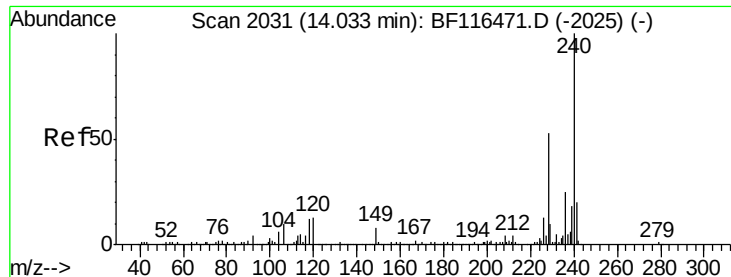


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E

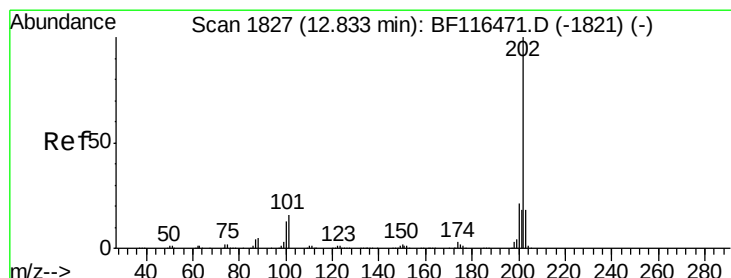
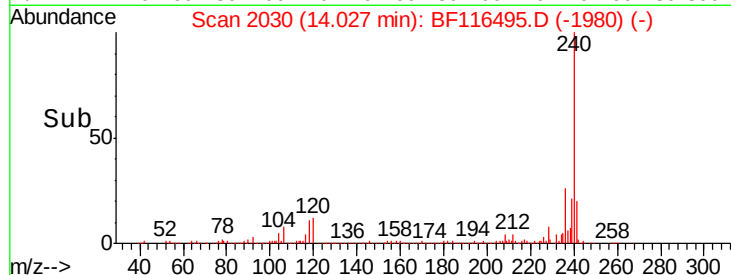
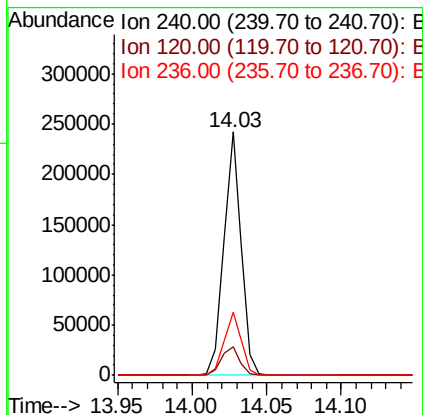
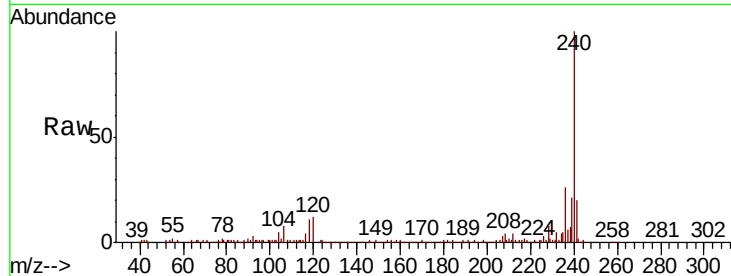




#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.03 min Scan# 2030
Delta R.T. -0.01 min
Lab File: BF116495.D
Acq: 23 Aug 2019 23:29

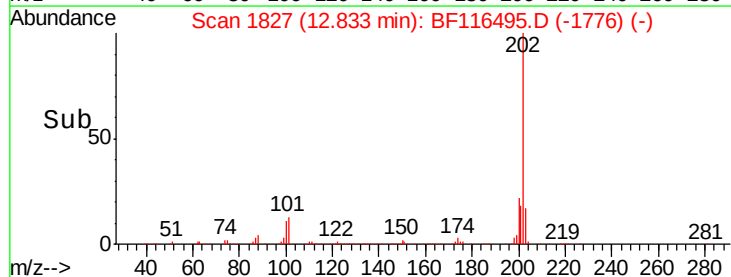
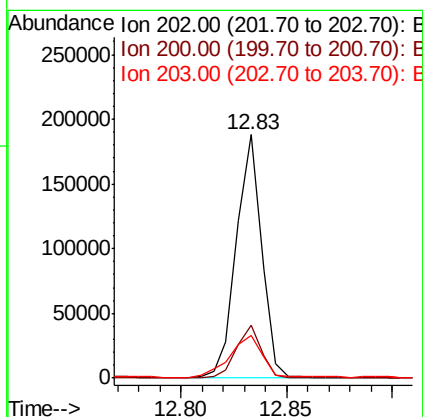
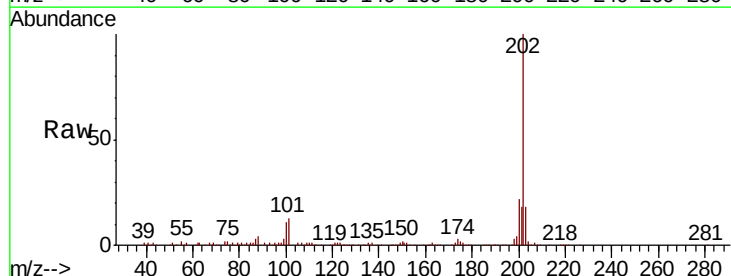
Instrument :
BNA_F
ClientSampleId :
T6-A1-A4-(0-2)

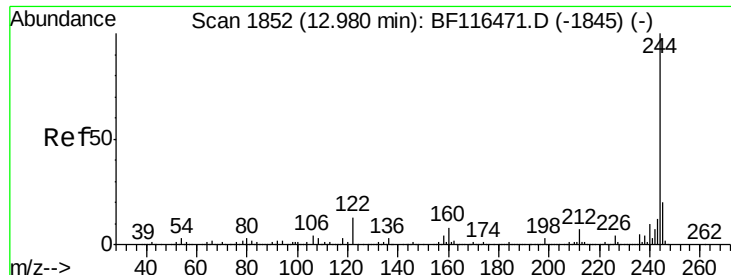
Tgt Ion:240 Resp: 200153
Ion Ratio Lower Upper
240 100
120 11.7 10.5 15.7
236 25.8 20.2 30.2



#78
Pyrene
Concen: 9.821 ng
RT: 12.83 min Scan# 1827
Delta R.T. -0.00 min
Lab File: BF116495.D
Acq: 23 Aug 2019 23:29

Tgt Ion:202 Resp: 157196
Ion Ratio Lower Upper
202 100
200 21.6 17.0 25.4
203 17.6 14.2 21.4

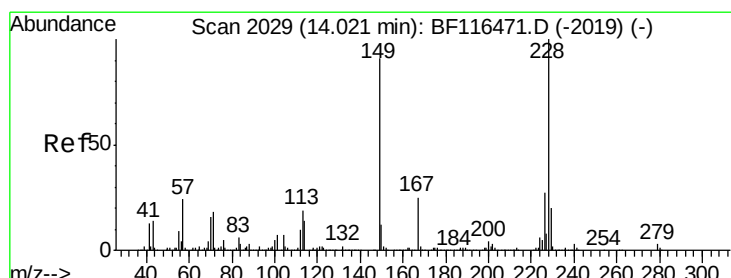
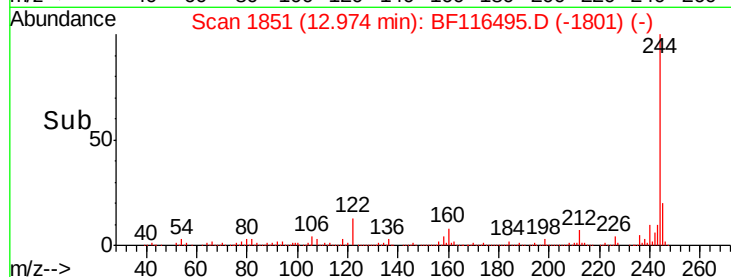
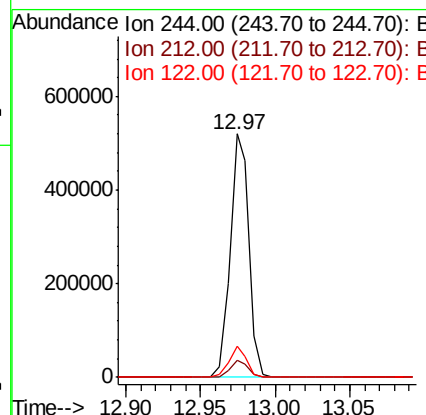
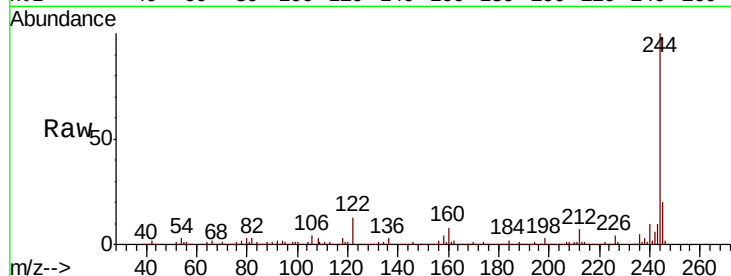




#79
 Terphenyl-d14
 Concen: 42.987 ng
 RT: 12.97 min Scan# 1851
 Delta R.T. -0.01 min
 Lab File: BF116495.D
 Acq: 23 Aug 2019 23:29

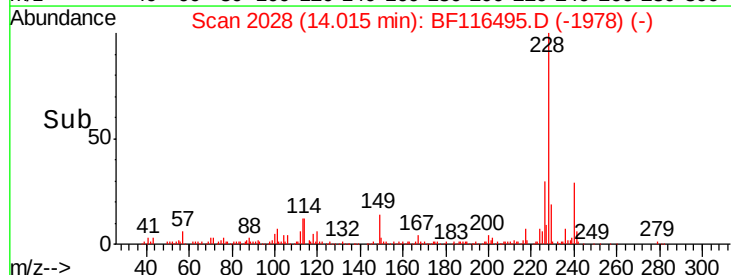
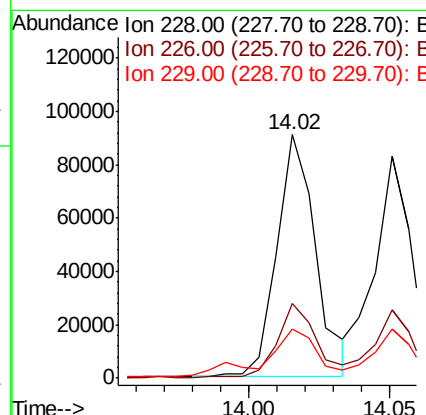
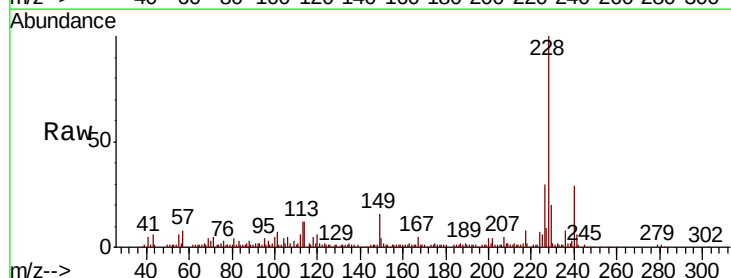
Instrument :
 BNA_F
 ClientSampleId :
 T6-A1-A4-(0-2)

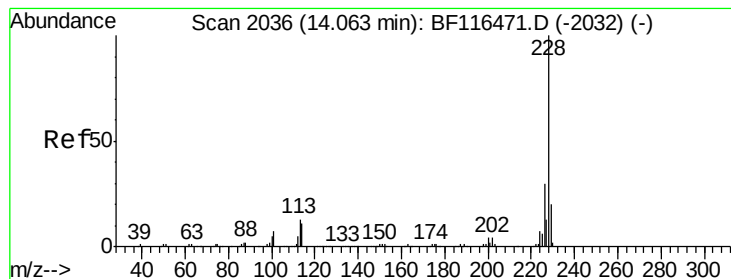
Tgt Ion	Ratio	Lower	Upper
244	100		
212	7.1	5.7	8.5
122	12.9	10.2	15.4



#81
 Benzo(a)anthracene
 Concen: 6.723 ng
 RT: 14.02 min Scan# 2028
 Delta R.T. -0.01 min
 Lab File: BF116495.D
 Acq: 23 Aug 2019 23:29

Tgt Ion	Ratio	Lower	Upper
228	100		
226	30.4	21.8	32.6
229	20.0	15.9	23.9





#83

Chrysene

Concen: 5.746 ng

RT: 14.05 min Scan# 2034

Delta R.T. -0.01 min

Lab File: BF116495.D

Acq: 23 Aug 2019 23:29

Instrument :

BNA_F

ClientSampleId :

T6-A1-A4-(0-2)

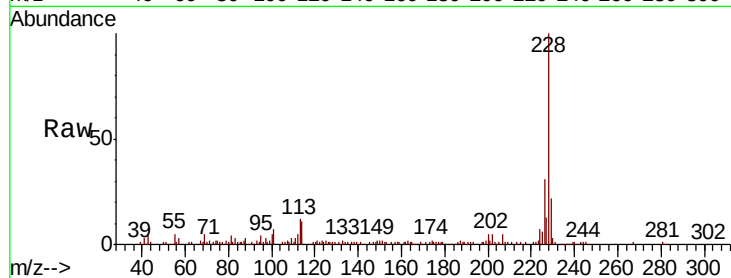
Tgt Ion:228 Resp: 75495

Ion Ratio Lower Upper

228 100

226 30.6 24.2 36.2

229 22.4 15.8 23.6

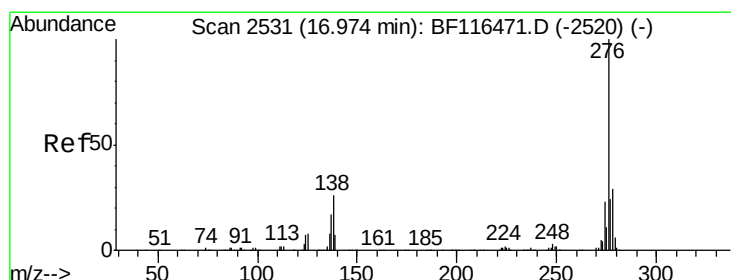
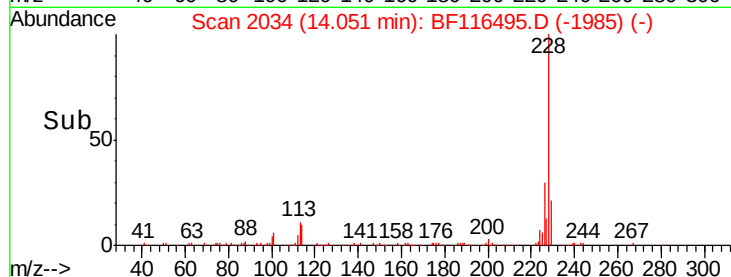
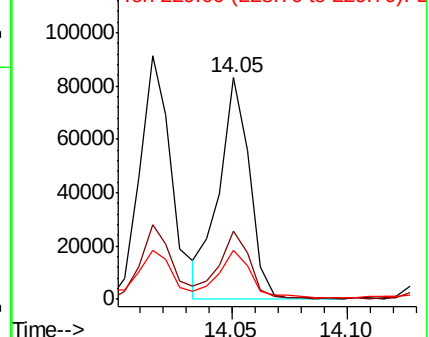


Abundance

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: 5.362 ng

RT: 16.95 min Scan# 2527

Delta R.T. -0.02 min

Lab File: BF116495.D

Acq: 23 Aug 2019 23:29

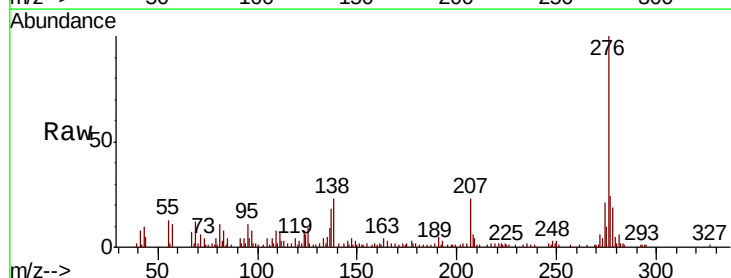
Tgt Ion:276 Resp: 60347

Ion Ratio Lower Upper

276 100

138 25.6 22.9 34.3

277 24.4 19.9 29.9

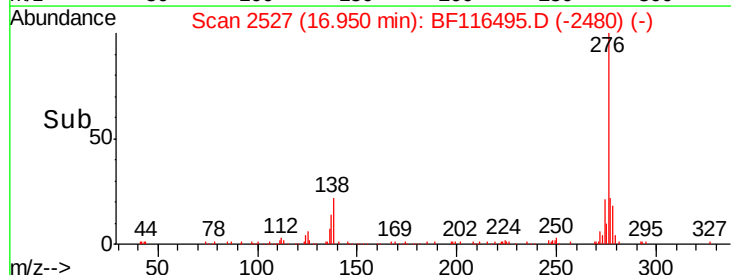
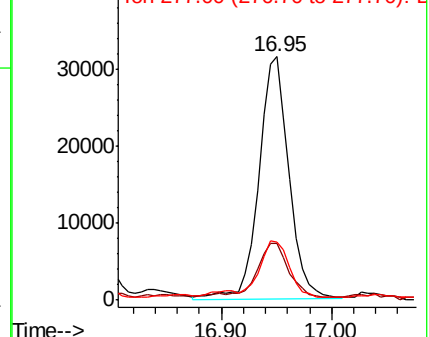


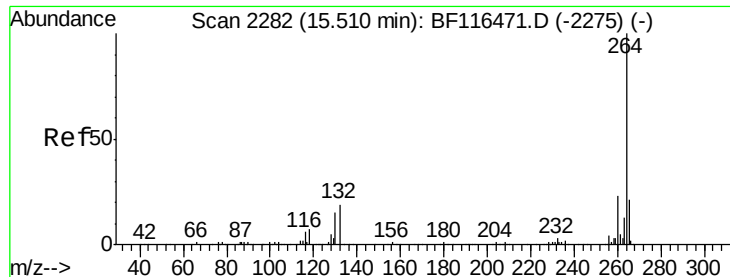
Abundance

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

Perylene-d12

Concen: 20.000 ng

RT: 15.49 min Scan# 2279

Delta R.T. -0.02 min

Lab File: BF116495.D

Acq: 23 Aug 2019 23:29

Instrument :

BNA_F

ClientSampleId :

T6-A1-A4-(0-2)

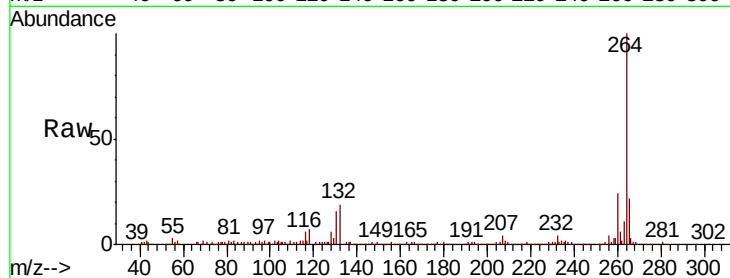
Tgt Ion:264 Resp: 254118

Ion Ratio Lower Upper

264 100

260 24.3 18.8 28.2

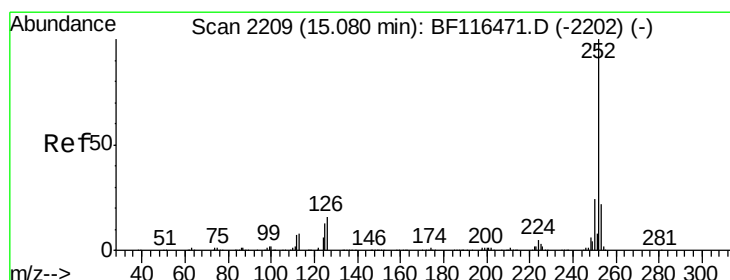
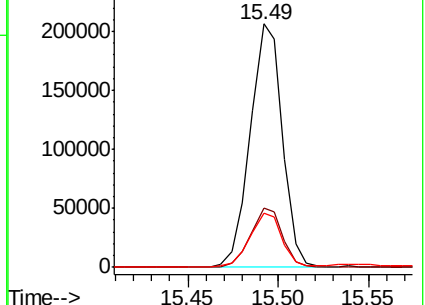
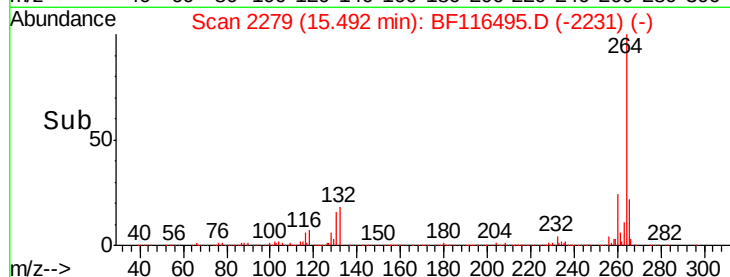
265 22.4 17.1 25.7



Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E



#88

Benzo(b)fluoranthene

Concen: 9.127 ng

RT: 15.06 min Scan# 2206

Delta R.T. -0.02 min

Lab File: BF116495.D

Acq: 23 Aug 2019 23:29

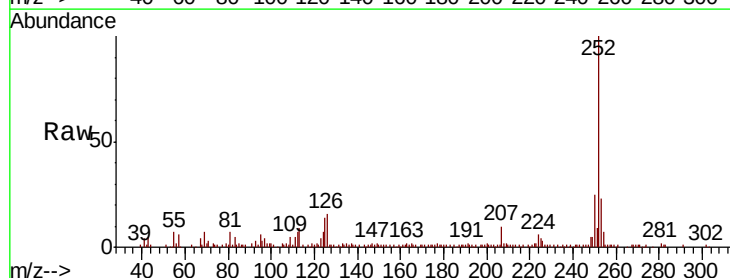
Tgt Ion:252 Resp: 143272

Ion Ratio Lower Upper

252 100

253 23.5 17.5 26.3

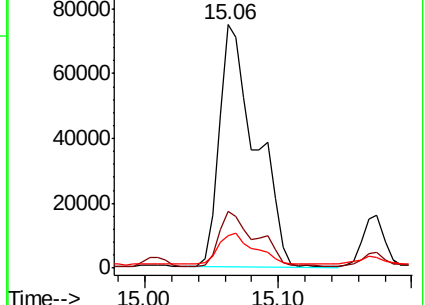
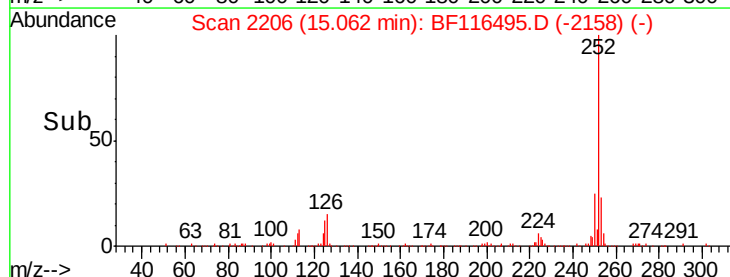
125 13.5 10.1 15.1

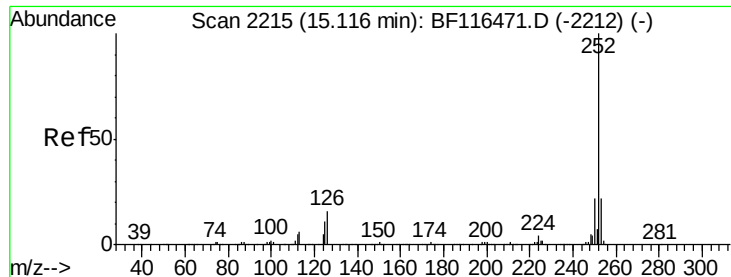


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#89

Benzo(k)fluoranthene

Concen: 10.074 ng

RT: 15.06 min Scan# 2206

Delta R.T. -0.05 min

Lab File: BF116495.D

Acq: 23 Aug 2019 23:29

Instrument :

BNA_F

ClientSampleId :

T6-A1-A4-(0-2)

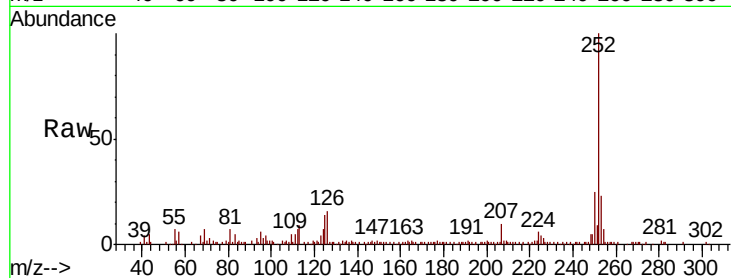
Tgt Ion:252 Resp: 143272

Ion Ratio Lower Upper

252 100

253 23.5 17.4 26.2

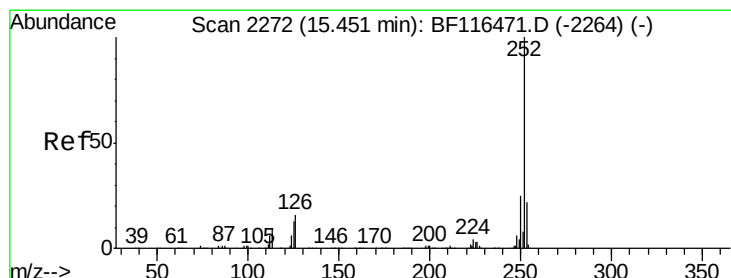
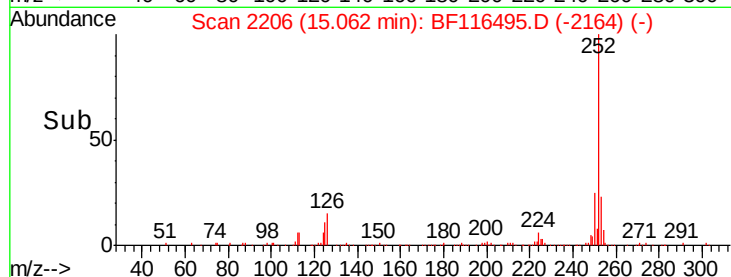
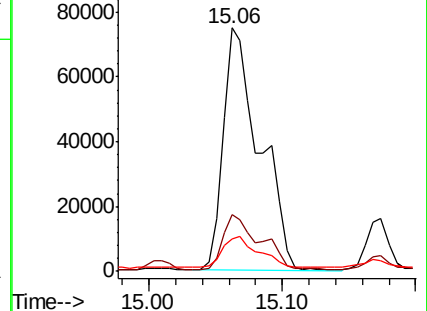
125 13.5 9.1 13.7



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: 6.059 ng

RT: 15.43 min Scan# 2268

Delta R.T. -0.02 min

Lab File: BF116495.D

Acq: 23 Aug 2019 23:29

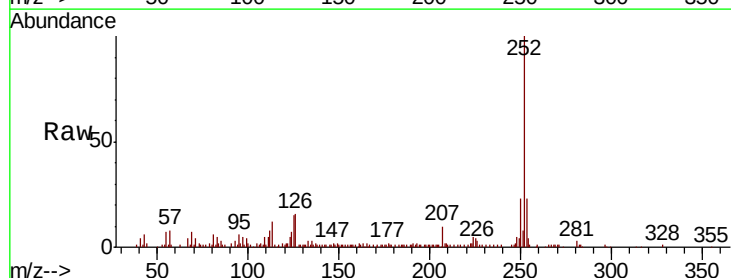
Tgt Ion:252 Resp: 84069

Ion Ratio Lower Upper

252 100

253 22.5 17.2 25.8

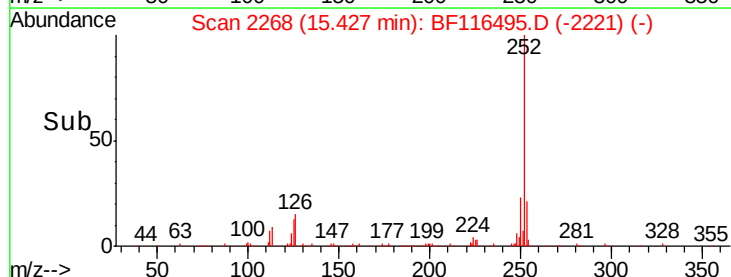
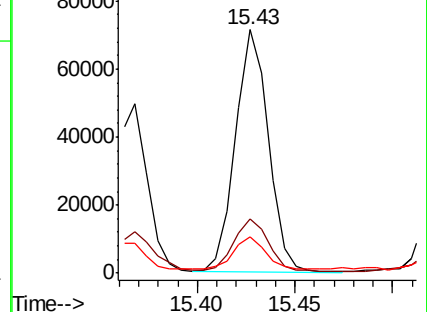
125 14.7 10.2 15.4

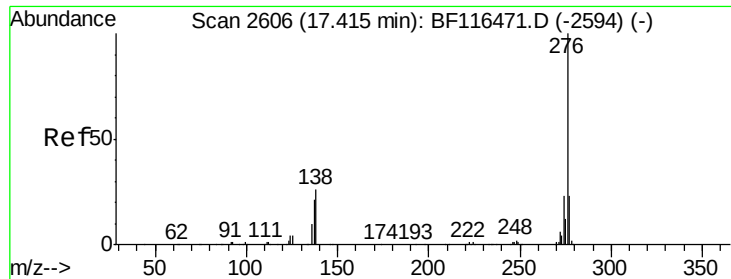


Abundance Ion 252.00 (251.70 to 252.70): E

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: 5.416 ng
 RT: 17.39 min Scan# 2602
 Delta R.T. -0.02 min
 Lab File: BF116495.D
 Acq: 23 Aug 2019 23:29

Instrument :
 BNA_F
 ClientSampleId :
 T6-A1-A4-(0-2)

Tgt Ion: 276 Resp: 58862
 Ion Ratio Lower Upper
 276 100
 277 24.3 18.7 28.1
 138 23.3 20.8 31.2

