

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF091119\
 Data File : BF116970.D
 Acq On : 12 Sep 2019 2:01
 Operator : HP/JU
 Sample : K4814-01 2X
 Misc :
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Sep 12 07:08:40 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF083019.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Sep 10 17:49:40 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.82	152	68715	20.00	ng	-0.01
21) Naphthalene-d8	8.10	136	292247	20.00	ng	-0.02
39) Acenaphthene-d10	9.85	164	156170	20.00	ng	-0.02
64) Phenanthrene-d10	11.33	188	266523	20.00	ng	-0.02
76) Chrysene-d12	13.97	240	185317	20.00	ng	-0.02
87) Perylene-d12	15.42	264	189128	20.00	ng	-0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.43	112	188586	44.46	ng	-0.02
7) Phenol-d6	6.45	99	260071	46.69	ng	-0.02
23) Nitrobenzene-d5	7.38	82	154533	30.19	ng	-0.02
42) 2,4,6-Tribromophenol	10.64	330	56511	54.13	ng	-0.02
45) 2-Fluorobiphenyl	9.17	172	287444	31.05	ng	-0.02
79) Terphenyl-d14	12.92	244	294834	29.43	ng	-0.02

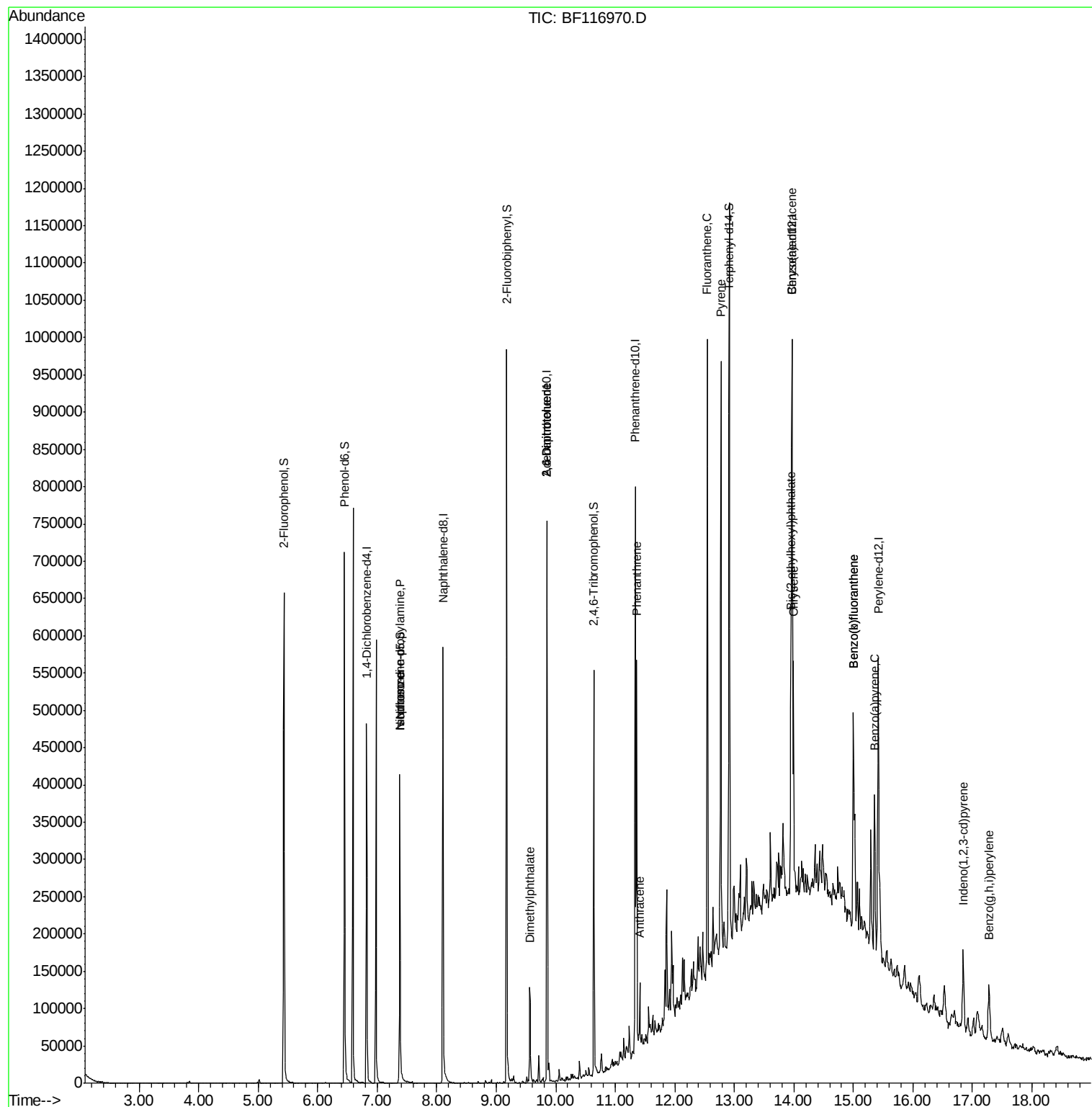
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
19) n-Nitroso-di-n-propylamine	7.38	70	20435	5.572	ng	# 71
25) Isophorone	7.38	82	154554	14.899	ng	# 66
50) Dimethylphthalate	9.56	163	52982	4.914	ng	99
51) 2,6-Dinitrotoluene	9.85	165	20382	9.908	ng	# 21
57) 2,4-Dinitrotoluene	9.85	165	20382	8.103	ng	# 21
71) Phenanthrene	11.36	178	179016	12.066	ng	100
72) Anthracene	11.41	178	37743	2.527	ng	97
75) Fluoranthene	12.55	202	337337	23.136	ng	99
78) Pyrene	12.77	202	312138	18.948	ng	98
81) Benzo(a)anthracene	13.96	228	129045	11.003	ng	94
83) Chrysene	13.99	228	123579	10.227	ng	97
84) Bis(2-ethylhexyl)phthalate	13.94	149	67133	6.789	ng	# 98
86) Indeno(1,2,3-cd)pyrene	16.84	276	66134	6.814	ng	97
88) Benzo(b)fluoranthene	15.00	252	184357	16.123	ng	# 97
89) Benzo(k)fluoranthene	15.00	252	184357	17.683	ng	98
90) Benzo(a)pyrene	15.36	252	102657	10.319	ng	98
92) Benzo(a,h,i)perylene	17.27	276	61112	6.881	ng	97

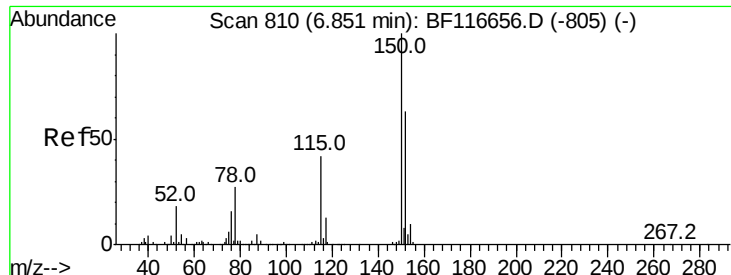
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF091119\
Data File : BF116970.D
Acq On : 12 Sep 2019 2:01
Operator : HP/JU
Sample : K4814-01 2X
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :

Quant Time: Sep 12 07:08:40 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF083019.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Sep 10 17:49:40 2019
Response via : Initial Calibration



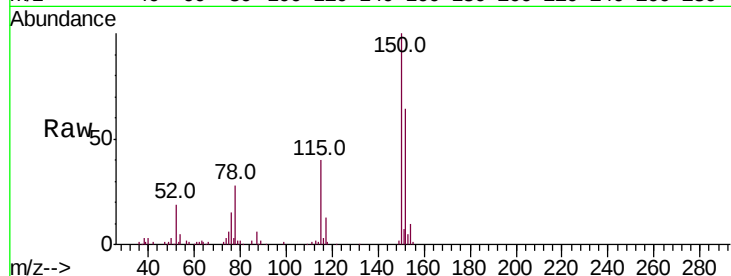


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.82 min Scan# 805
Delta R.T. -0.01 min
Lab File: BF116970.D
Acq: 12 Sep 2019 2:01

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
152	100		
150	156.8	124.4	186.6
115	63.4	49.9	74.9

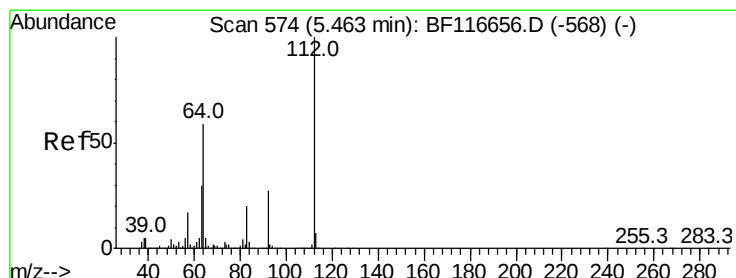
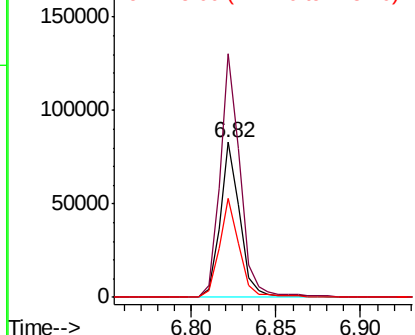
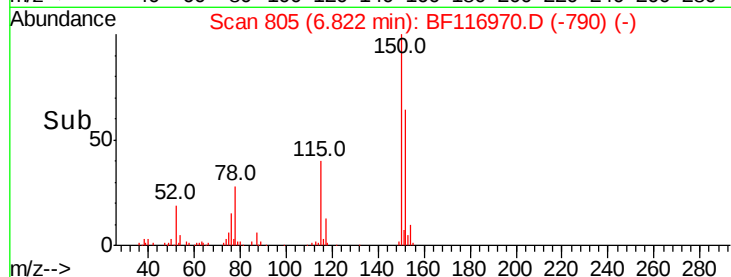


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

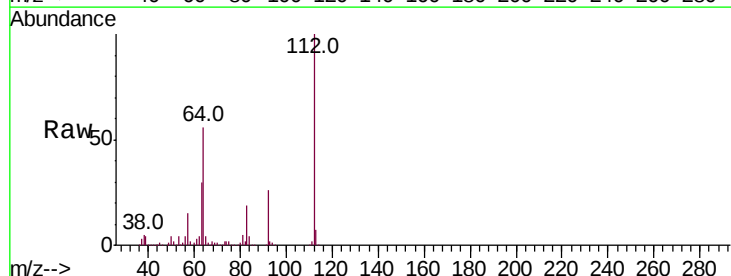
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 44.462 ng
RT: 5.43 min Scan# 569
Delta R.T. -0.02 min
Lab File: BF116970.D
Acq: 12 Sep 2019 2:01

Tgt Ion	Ratio	Lower	Upper
112	100		
64	55.9	47.1	70.7
63	29.5	24.9	37.3

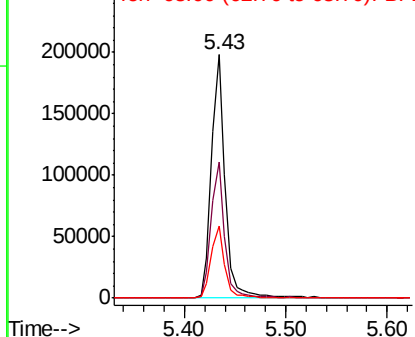
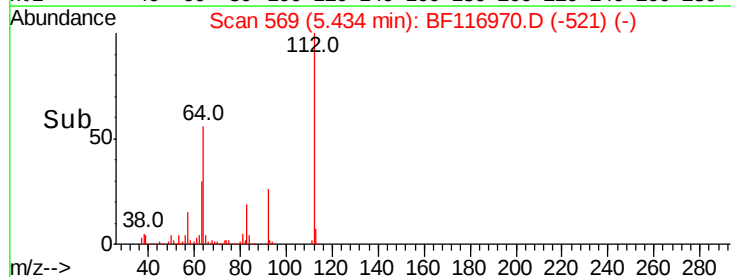


Abundance

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: 46.695 ng

RT: 6.45 min Scan# 742

Delta R.T. -0.02 min

Lab File: BF116970.D

Acq: 12 Sep 2019 2:01

Instrument :

BNA_F

ClientSampleId :

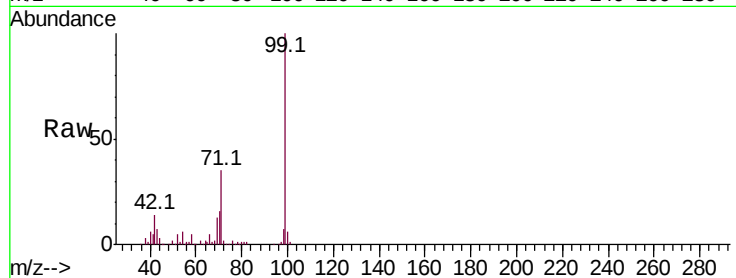
Tot Ion: 99 Resp: 260071

Ion Ratio Lower Upper

99 100

42 14.0 13.7 20.5

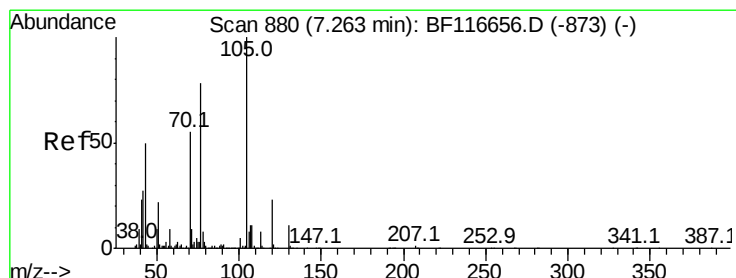
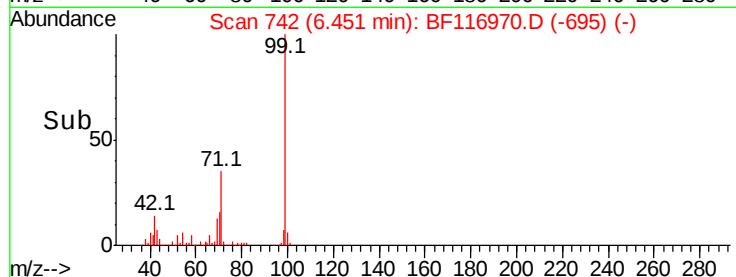
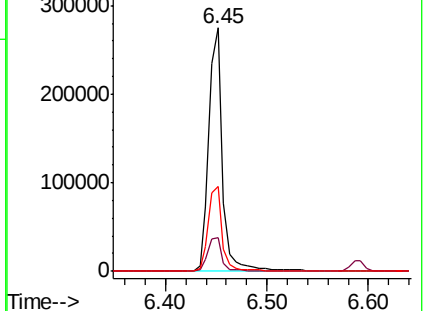
71 35.0 30.8 46.2



Abundance Ion 99.00 (98.70 to 99.70): BF1

Ion 42.00 (41.70 to 42.70): BF1

Ion 71.00 (70.70 to 71.70): BF1



#19

n-Nitroso-di-n-propylamine

Concen: 5.572 ng

RT: 7.38 min Scan# 900

Delta R.T. 0.13 min

Lab File: BF116970.D

Acq: 12 Sep 2019 2:01

Tgt Ion: 70 Resp: 20435

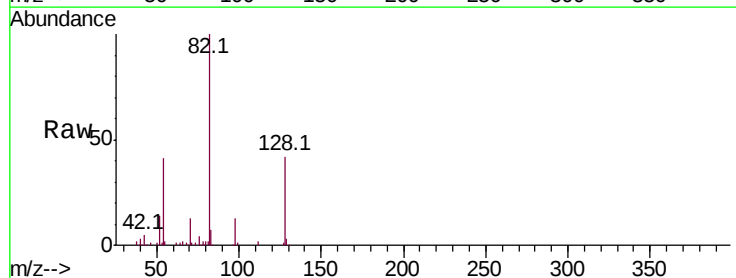
Ion Ratio Lower Upper

70 100

42 36.1 43.5 65.3#

101 0.0 7.8 11.6#

130 2.4 16.6 24.8#

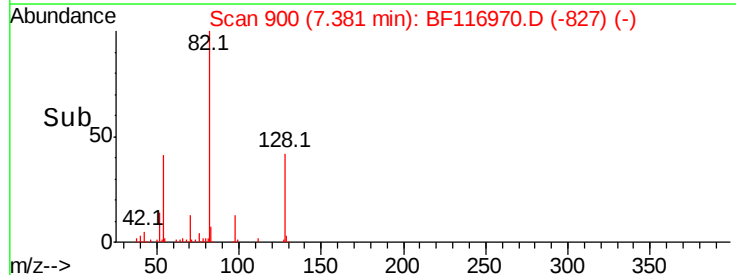
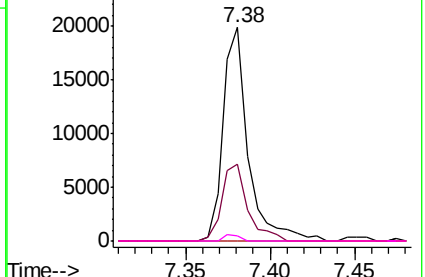


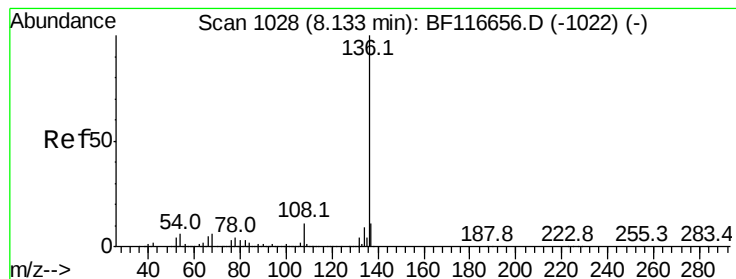
Abundance Ion 70.00 (69.70 to 70.70): BF1

Ion 42.00 (41.70 to 42.70): BF1

Ion 101.00 (100.70 to 101.70): BF1

Ion 130.00 (129.70 to 130.70): BF1





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.10 min Scan# 1023

Delta R.T. -0.02 min

Lab File: BF116970.D

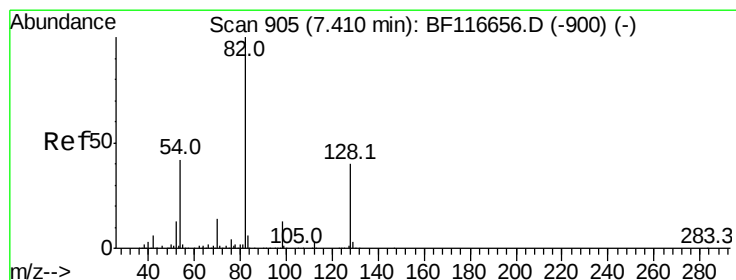
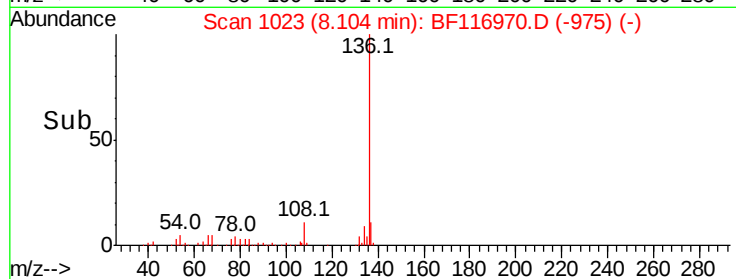
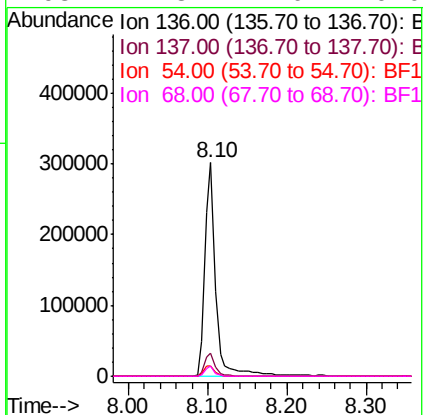
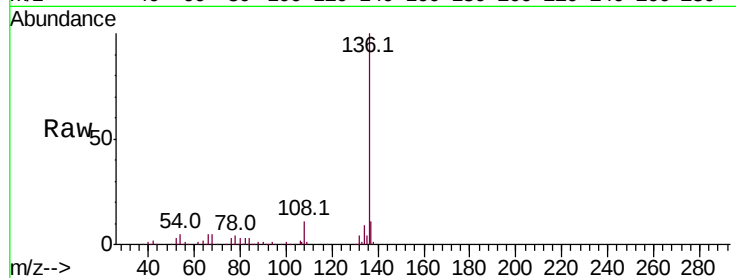
Acq: 12 Sep 2019 2:01

Instrument :

BNA_F

ClientSampleId :

Tot Ion:136	Resp:	292247
Ion Ratio	Lower	Upper
136 100		
137 10.8	8.9	13.3
54 5.0	4.8	7.2
68 4.8	4.0	6.0



#23

Nitrobenzene-d5

Concen: 30.186 ng

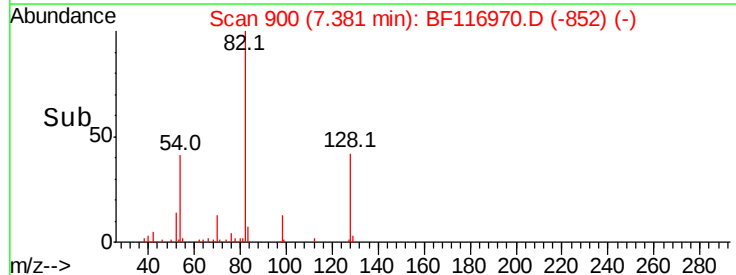
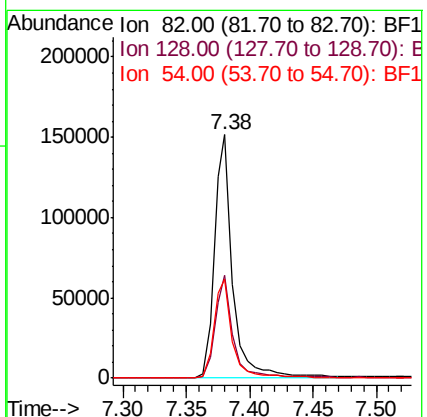
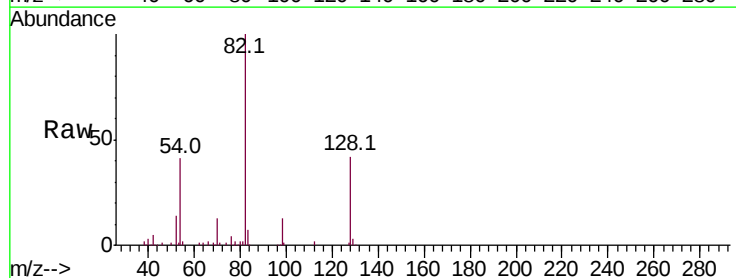
RT: 7.38 min Scan# 900

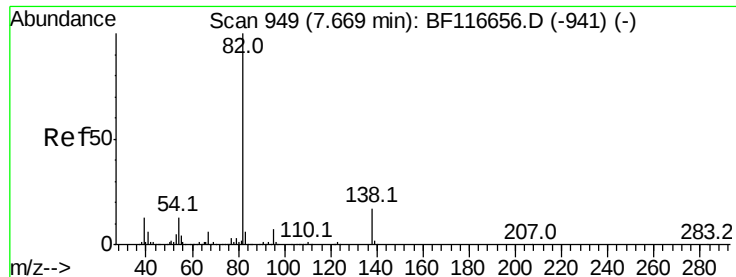
Delta R.T. -0.02 min

Lab File: BF116970.D

Acq: 12 Sep 2019 2:01

Tgt Ion: 82	Resp:	154533
Ion Ratio	Lower	Upper
82 100		
128 42.5	32.8	49.2
54 40.9	36.9	55.3





#25

Isophorone

Concen: 14.899 ng

RT: 7.38 min Scan# 900

Delta R.T. -0.28 min

Lab File: BF116970.D

Acq: 12 Sep 2019 2:01

Instrument :

BNA_F

ClientSampleId :

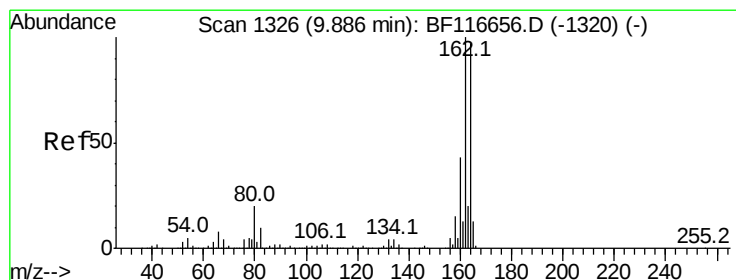
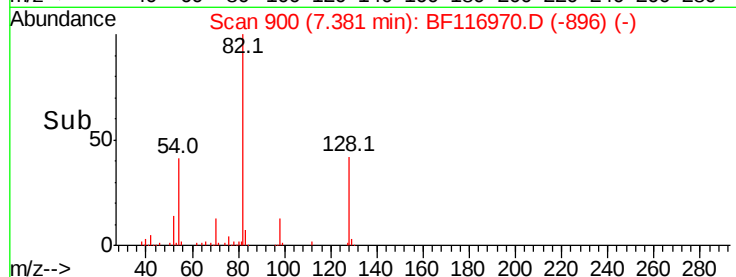
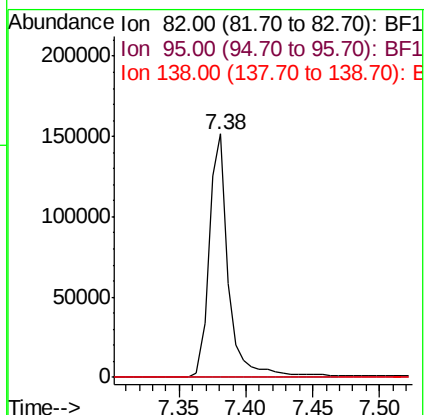
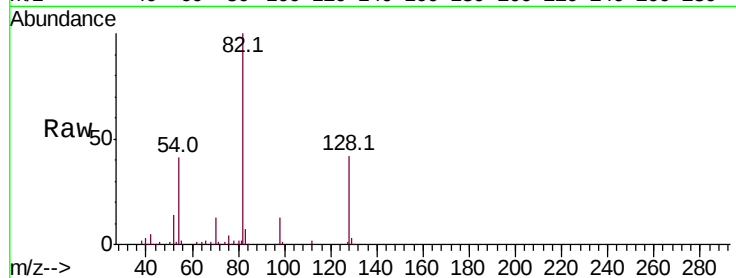
Tot Ion: 82 Resp: 154554

Ion Ratio Lower Upper

82 100

95 0.0 5.8 8.6#

138 0.0 13.5 20.3#



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.85 min Scan# 1320

Delta R.T. -0.02 min

Lab File: BF116970.D

Acq: 12 Sep 2019 2:01

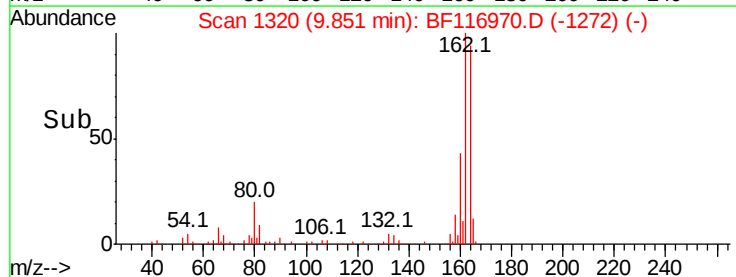
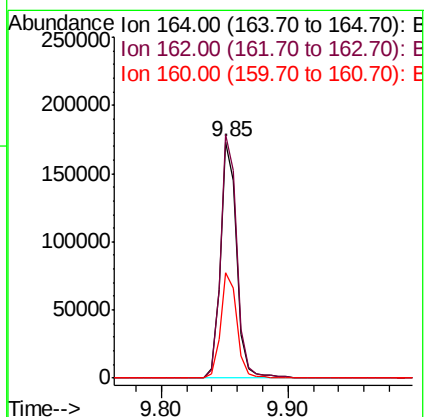
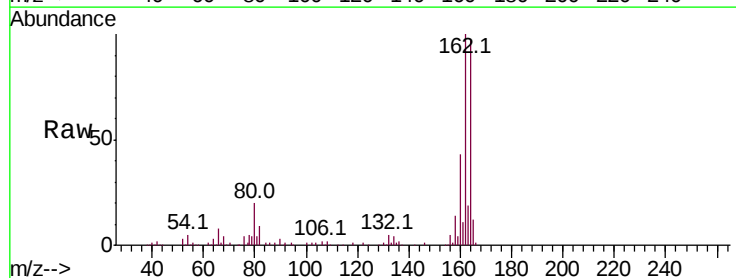
Tgt Ion: 164 Resp: 156170

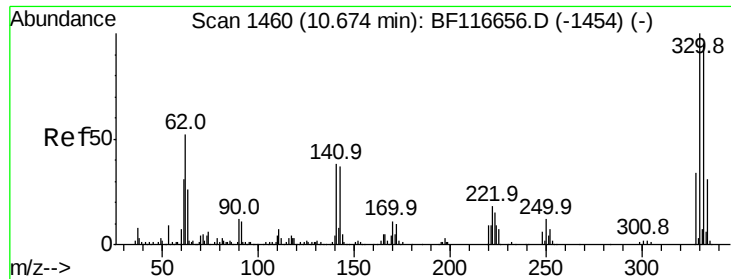
Ion Ratio Lower Upper

164 100

162 103.1 81.4 122.0

160 44.4 35.4 53.2

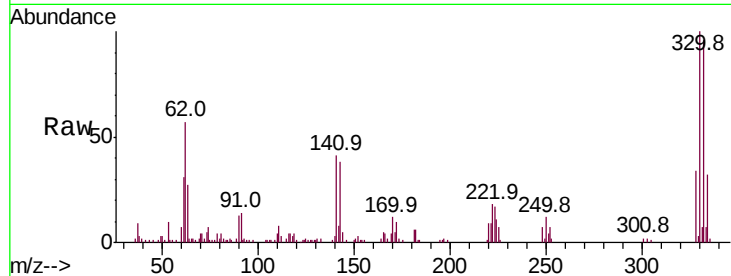




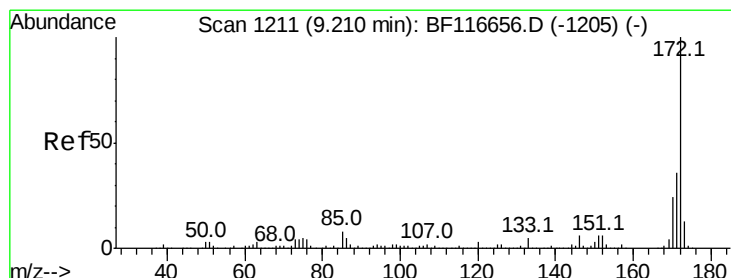
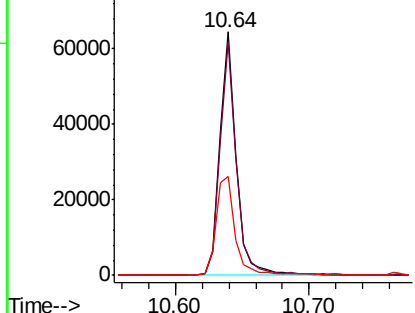
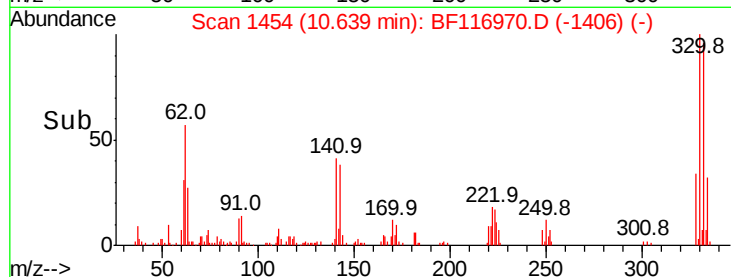
#42
 2,4,6-Tribromophenol
 Concen: 54.128 ng
 RT: 10.64 min Scan# 1454
 Delta R.T. -0.02 min
 Lab File: BF116970.D
 Acq: 12 Sep 2019 2:01

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
330	100		
332	95.8	76.9	115.3
141	47.5	31.4	47.2#

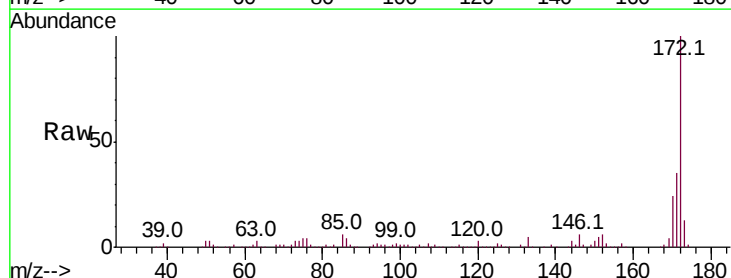


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

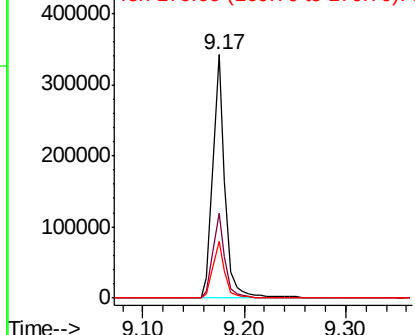
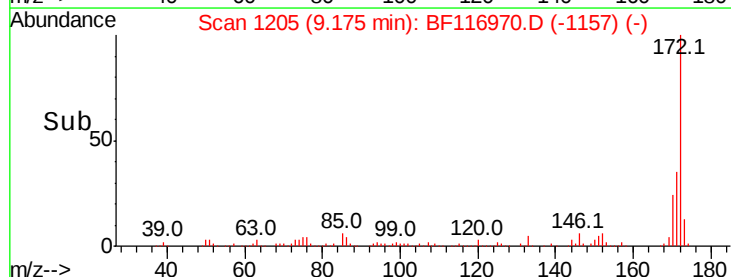


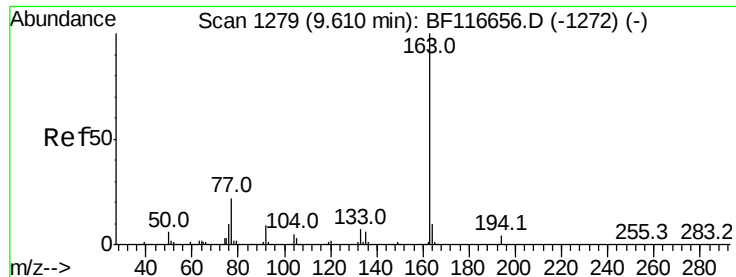
#45
 2-Fluorobiphenyl
 Concen: 31.049 ng
 RT: 9.17 min Scan# 1205
 Delta R.T. -0.02 min
 Lab File: BF116970.D
 Acq: 12 Sep 2019 2:01

Tgt Ion	Ratio	Lower	Upper
172	100		
171	34.9	27.8	41.6
170	23.5	18.9	28.3



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

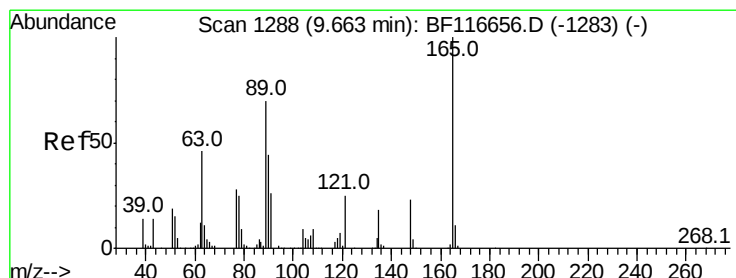
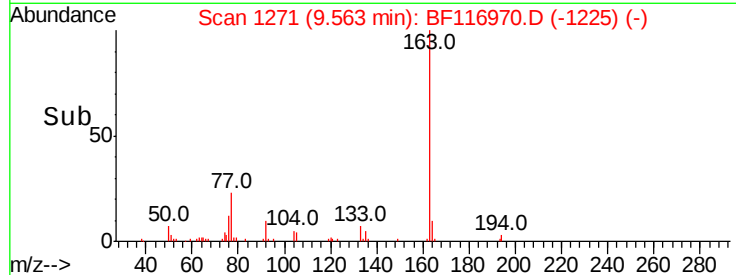
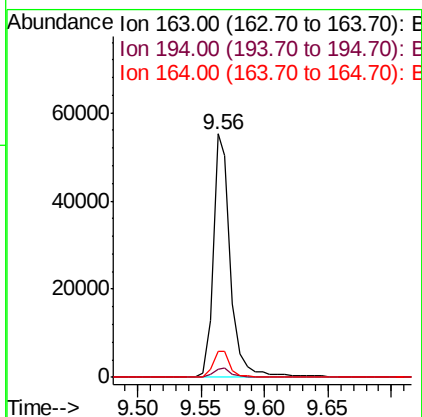
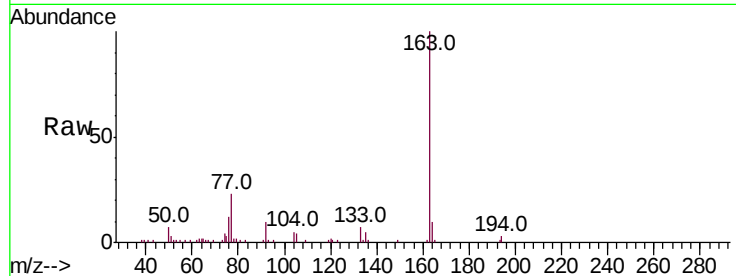




#50
Dimethylphthalate
Concen: 4.914 ng
RT: 9.56 min Scan# 1271
Delta R.T. -0.03 min
Lab File: BF116970.D
Acq: 12 Sep 2019 2:01

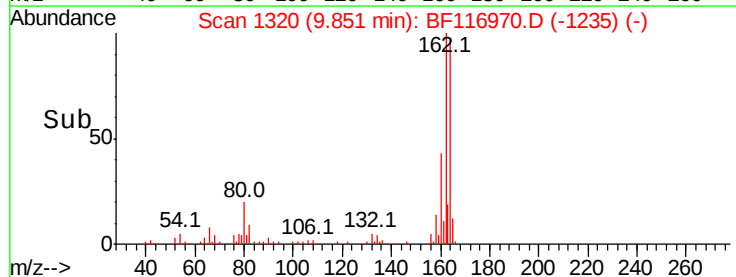
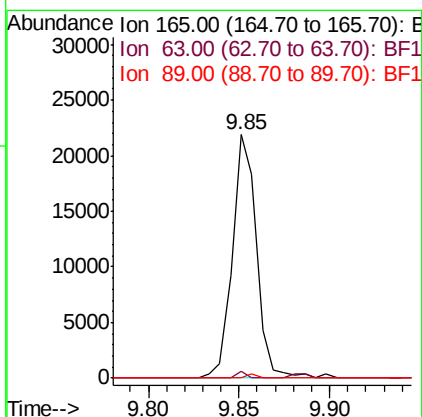
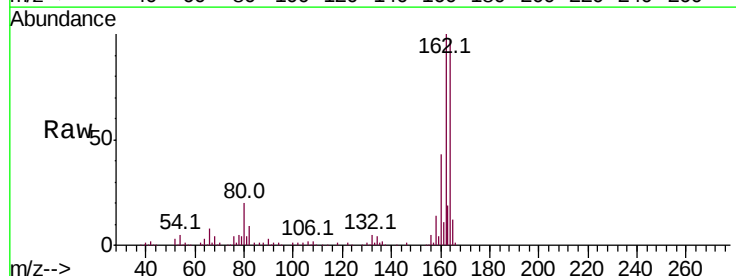
Instrument :
BNA_F
ClientSampleId :

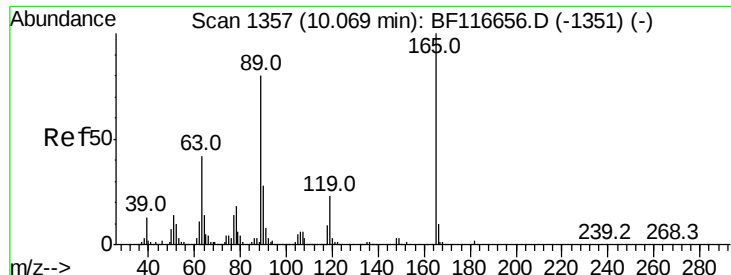
Tot Ion	Ratio	Lower	Upper
163	100		
194	3.4	2.8	4.2
164	10.5	8.6	12.8



#51
2,6-Dinitrotoluene
Concen: 9.908 ng
RT: 9.85 min Scan# 1320
Delta R.T. 0.20 min
Lab File: BF116970.D
Acq: 12 Sep 2019 2:01

Tgt Ion	Ratio	Lower	Upper
165	100		
63	3.0	47.3	70.9#
89	0.0	52.5	78.7#

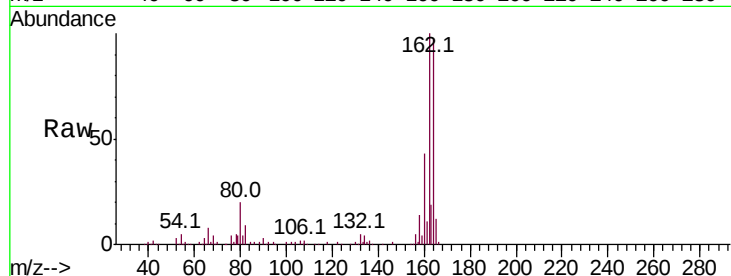




#57
 2,4-Dinitrotoluene
 Concen: 8.103 ng
 RT: 9.85 min Scan# 1320
 Delta R.T. -0.21 min
 Lab File: BF116970.D
 Acq: 12 Sep 2019 2:01

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:165	Resp:	20382
Ion Ratio	Lower	Upper
165 100		
63 3.0	36.4	54.6#
89 0.0	62.6	94.0#
182 0.0	2.1	3.1#

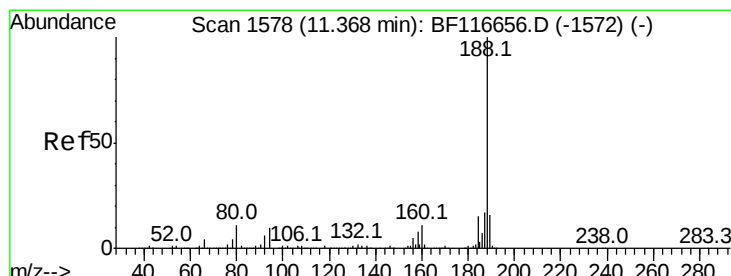
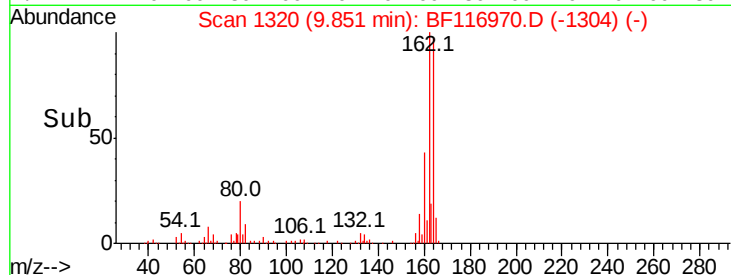
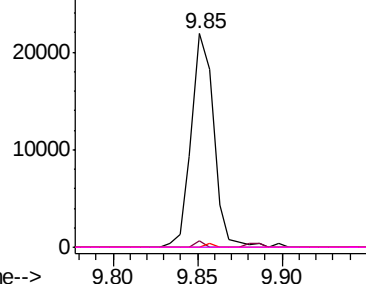


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF1

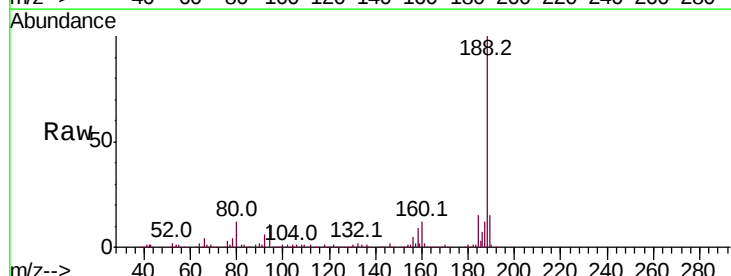
Ion 89.00 (88.70 to 89.70): BF1

Ion 182.00 (181.70 to 182.70): E



#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.33 min Scan# 1572
 Delta R.T. -0.02 min
 Lab File: BF116970.D
 Acq: 12 Sep 2019 2:01

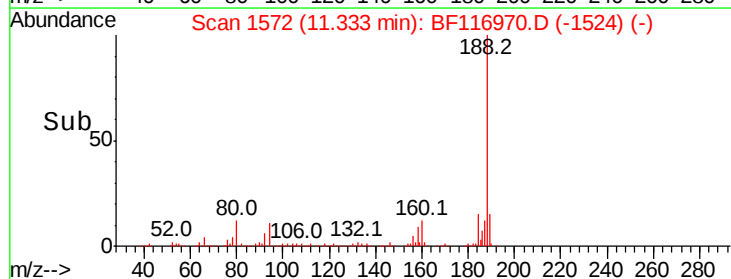
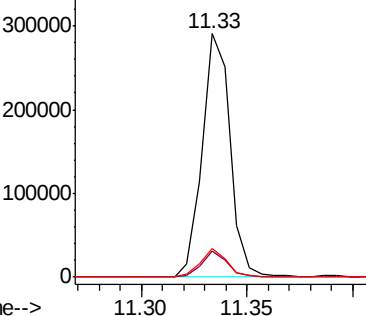
Tgt Ion:188	Resp:	266523
Ion Ratio	Lower	Upper
188 100		
94 10.7	7.3	10.9
80 11.6	8.4	12.6

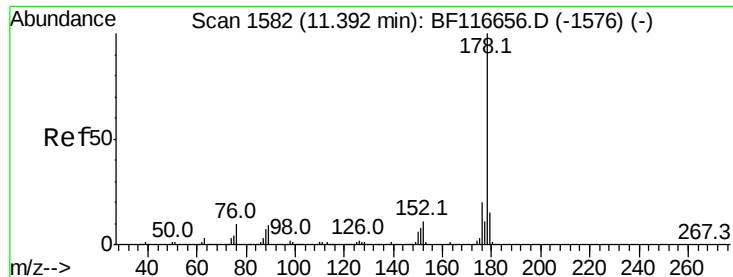


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF1

Ion 80.00 (79.70 to 80.70): BF1

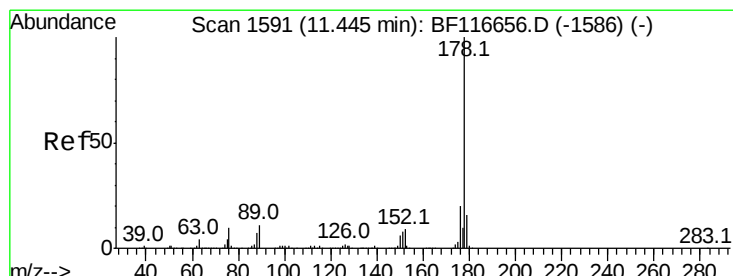
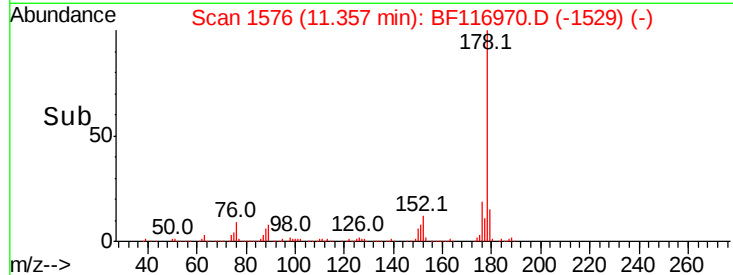
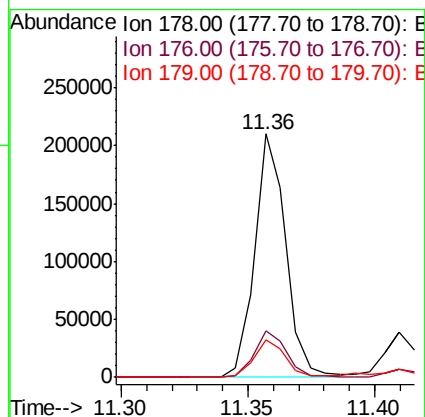
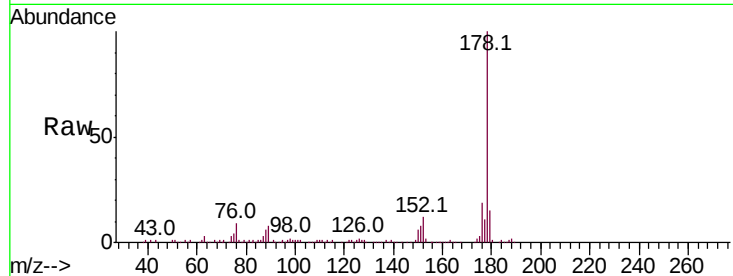




#71
Phenanthrene
Concen: 12.066 ng
RT: 11.36 min Scan# 1576
Delta R.T. -0.02 min
Lab File: BF116970.D
Acq: 12 Sep 2019 2:01

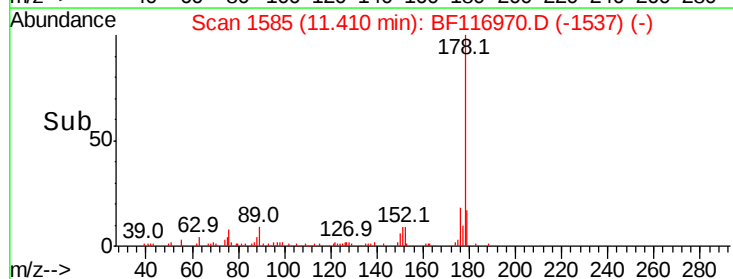
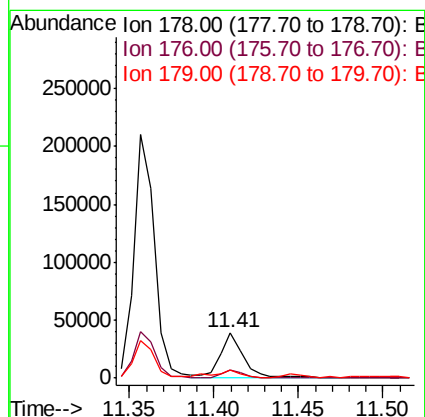
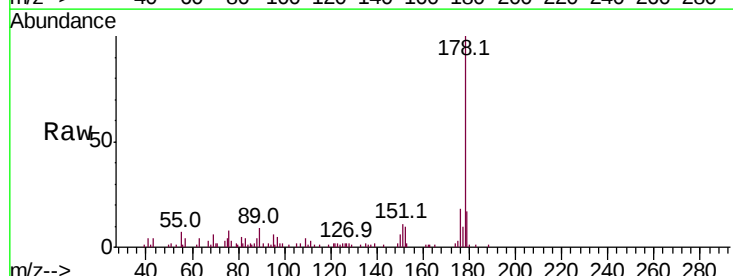
Instrument :
BNA_F
ClientSampleId :

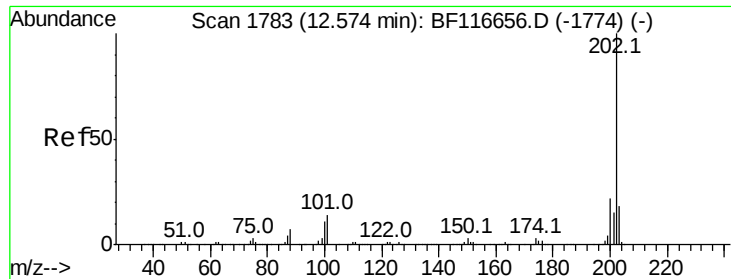
Tot Ion:178 Resp: 179016
Ion Ratio Lower Upper
178 100
176 19.2 15.4 23.0
179 15.4 12.2 18.2



#72
Anthracene
Concen: 2.527 ng
RT: 11.41 min Scan# 1585
Delta R.T. -0.02 min
Lab File: BF116970.D
Acq: 12 Sep 2019 2:01

Tgt Ion:178 Resp: 37743
Ion Ratio Lower Upper
178 100
176 18.1 15.4 23.0
179 17.0 12.5 18.7





#75

Fluoranthene

Concen: 23.136 ng

RT: 12.55 min Scan# 1778

Delta R.T. -0.02 min

Lab File: BF116970.D

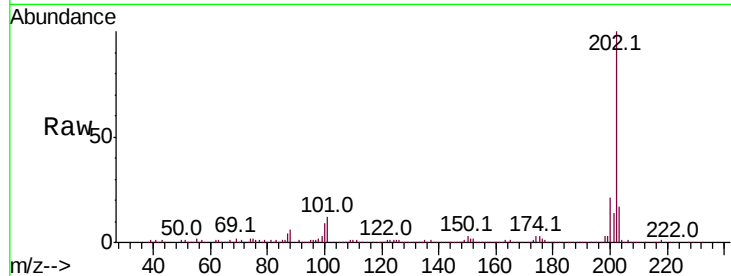
Acq: 12 Sep 2019 2:01

Instrument :

BNA_F

ClientSampled :

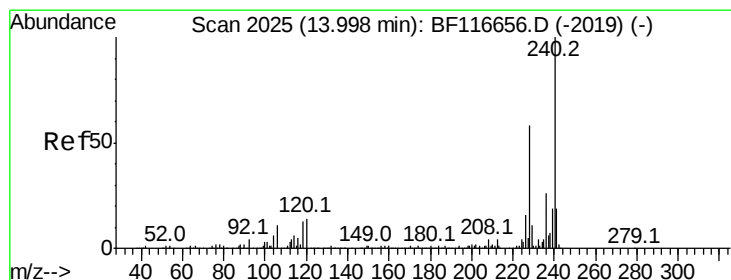
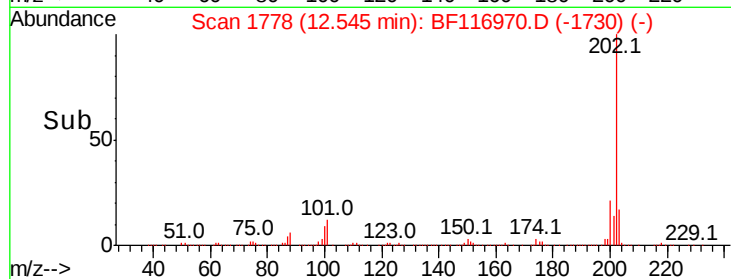
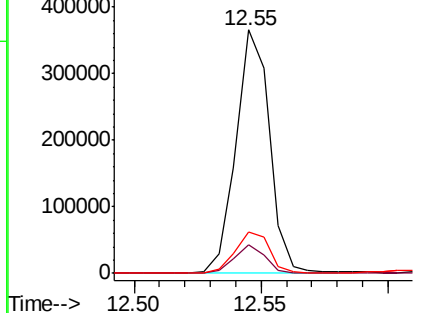
Tot Ion:	202	Resp:	337337
Ion	Ratio	Lower	Upper
202	100		
101	11.6	0.0	31.3
203	16.9	0.0	37.6



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

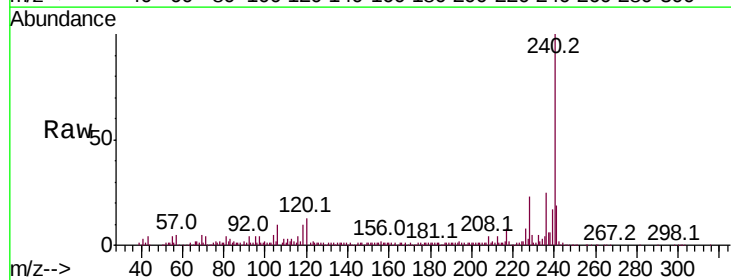
RT: 13.97 min Scan# 2020

Delta R.T. -0.02 min

Lab File: BF116970.D

Acq: 12 Sep 2019 2:01

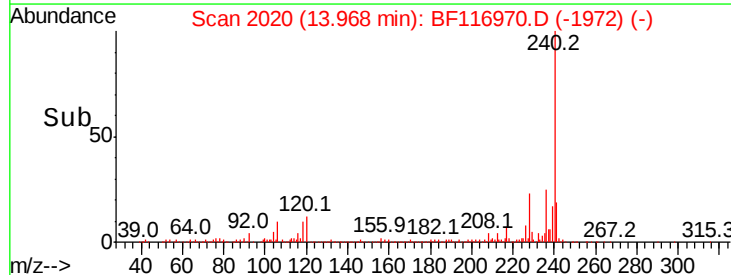
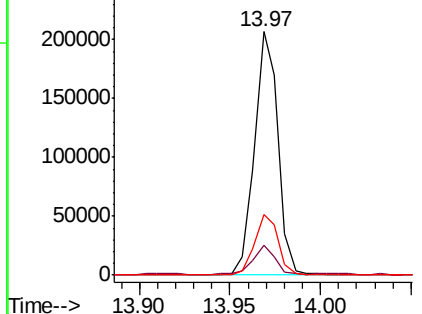
Tgt Ion:	240	Resp:	185317
Ion	Ratio	Lower	Upper
240	100		
120	12.5	9.1	13.7
236	24.8	21.1	31.7

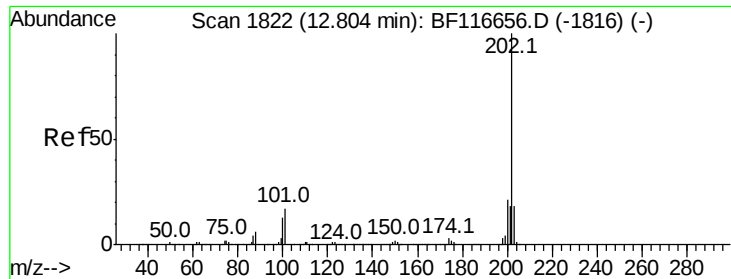


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E

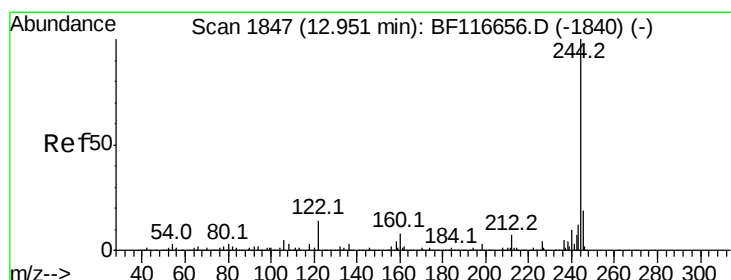
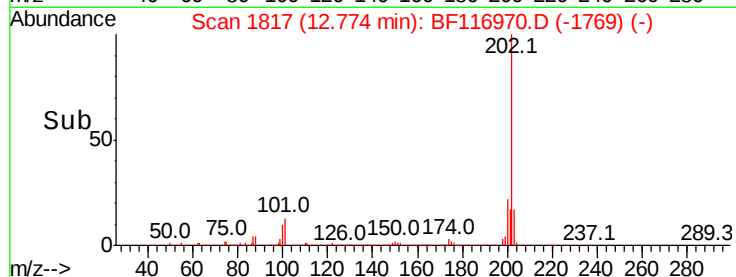
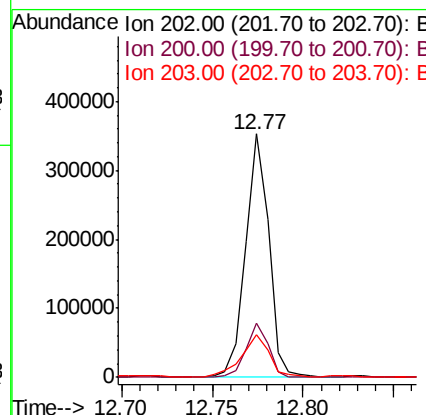
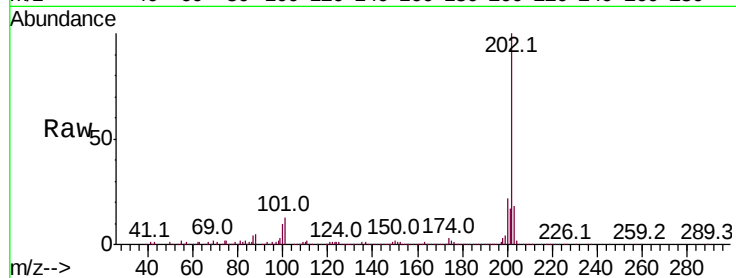




#78
Pvrene
Concen: 18.948 ng
RT: 12.77 min Scan# 1817
Delta R.T. -0.02 min
Lab File: BF116970.D
Acq: 12 Sep 2019 2:01

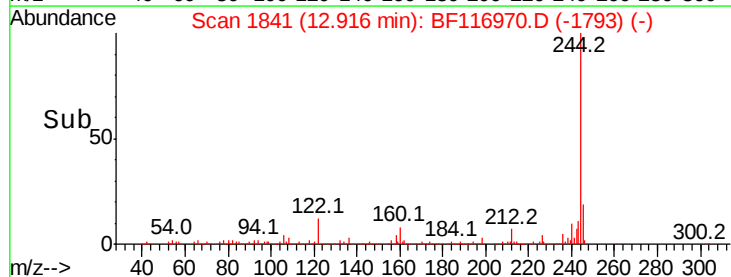
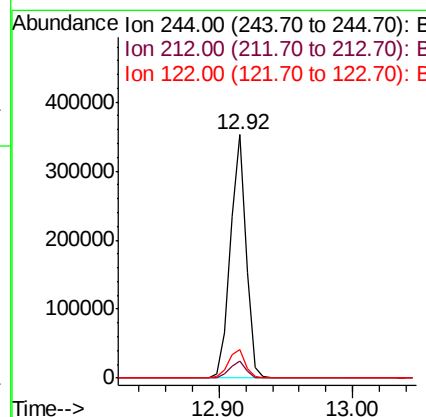
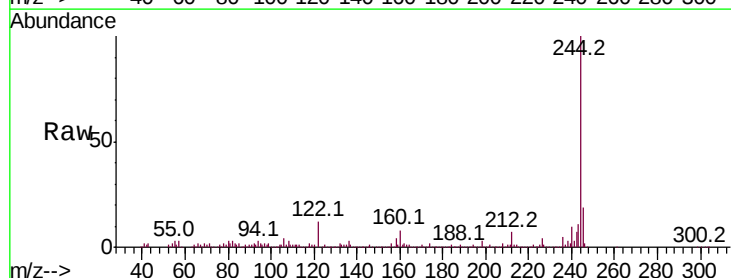
Instrument :
BNA_F
ClientSampleId :

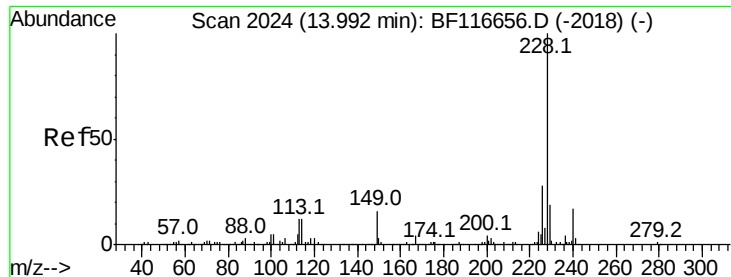
Tot Ion	Ratio	Lower	Upper
202	100		
200	22.2	16.5	24.7
203	17.6	13.7	20.5



#79
Terphenyl-d14
Concen: 29.432 ng
RT: 12.92 min Scan# 1841
Delta R.T. -0.02 min
Lab File: BF116970.D
Acq: 12 Sep 2019 2:01

Tgt Ion	Ratio	Lower	Upper
244	100		
212	6.8	6.1	9.1
122	11.7	10.2	15.4





#81

Benzo(a)anthracene

Concen: 11.003 ng

RT: 13.96 min Scan# 2019

Delta R.T. -0.01 min

Lab File: BF116970.D

Acq: 12 Sep 2019 2:01

Instrument :

BNA_F

ClientSampleId :

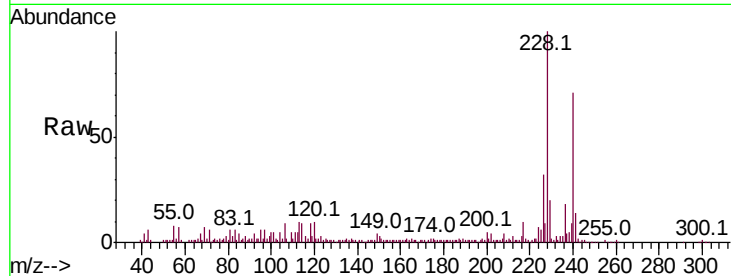
Tot Ion:228 Resp: 129045

Ion Ratio Lower Upper

228 100

226 32.4 22.0 33.0

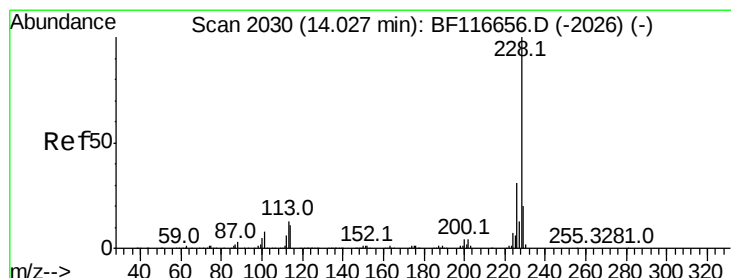
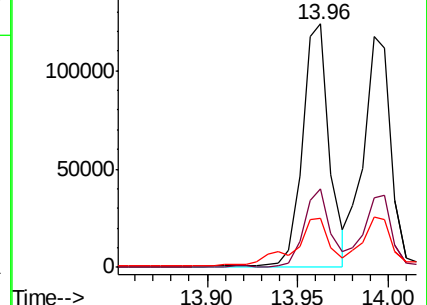
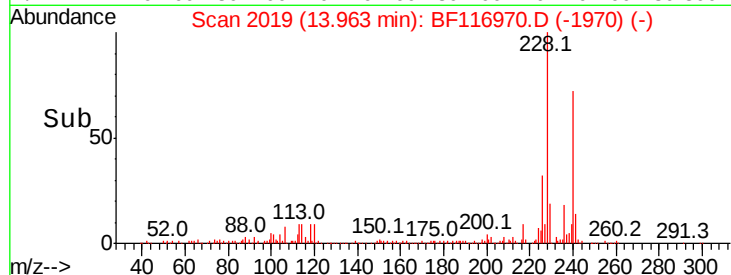
229 20.3 16.4 24.6



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



#83

Chrysene

Concen: 10.227 ng

RT: 13.99 min Scan# 2024

Delta R.T. -0.02 min

Lab File: BF116970.D

Acq: 12 Sep 2019 2:01

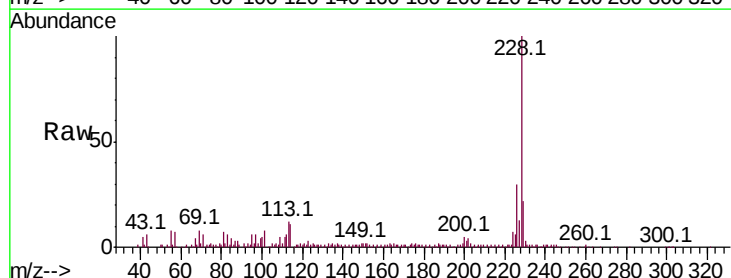
Tgt Ion:228 Resp: 123579

Ion Ratio Lower Upper

228 100

226 30.3 24.0 36.0

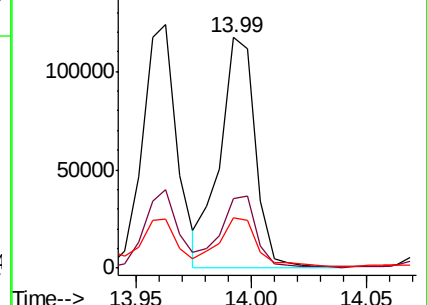
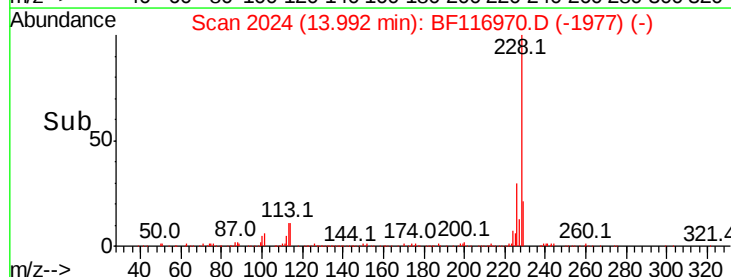
229 22.0 15.4 23.0

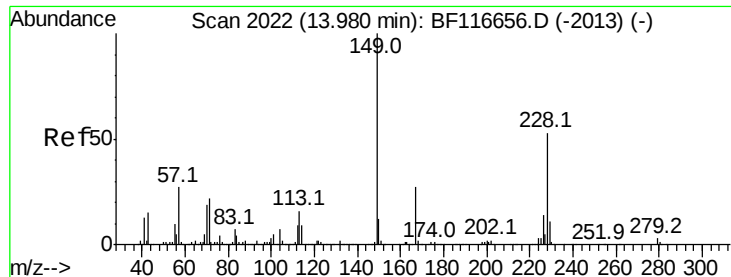


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#84

Bis(2-ethylhexyl)phthalate

Concen: 6.789 ng

RT: 13.94 min Scan# 2016

Delta R.T. -0.02 min

Lab File: BF116970.D

Acq: 12 Sep 2019 2:01

Instrument :

BNA_F

ClientSampleId :

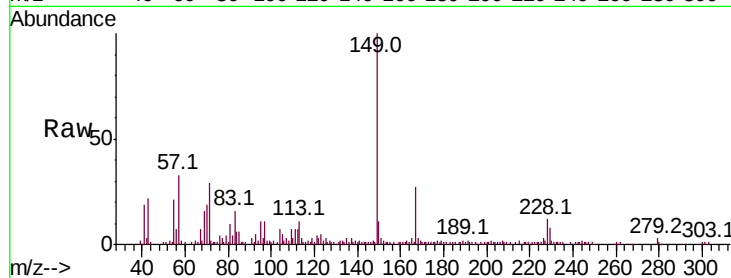
Tot Ion:149 Resp: 67133

Ion Ratio Lower Upper

149 100

167 27.4 21.0 31.4

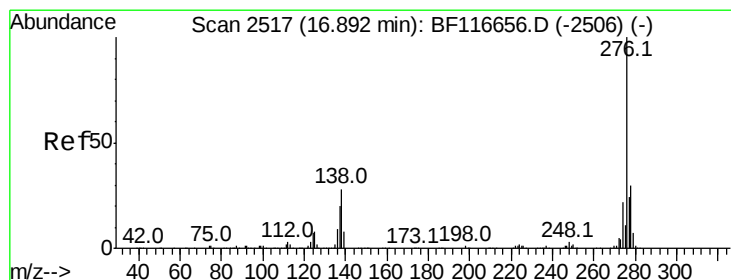
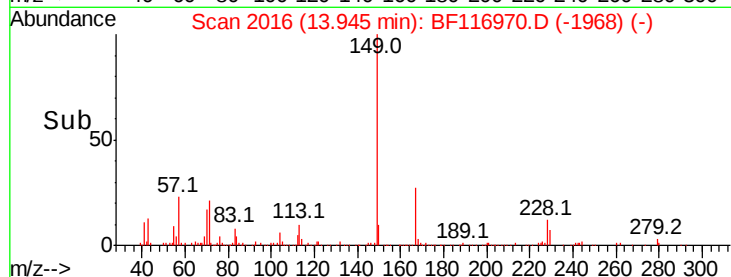
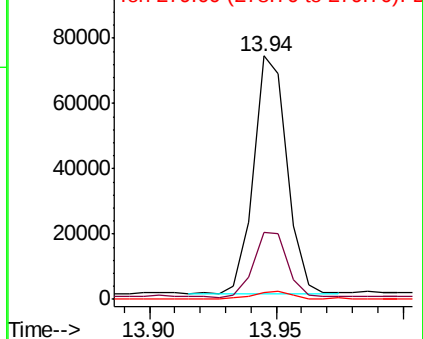
279 2.6 2.8 4.2#



Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E



#86

Indeno(1,2,3-cd)pyrene

Concen: 6.814 ng

RT: 16.84 min Scan# 2509

Delta R.T. -0.04 min

Lab File: BF116970.D

Acq: 12 Sep 2019 2:01

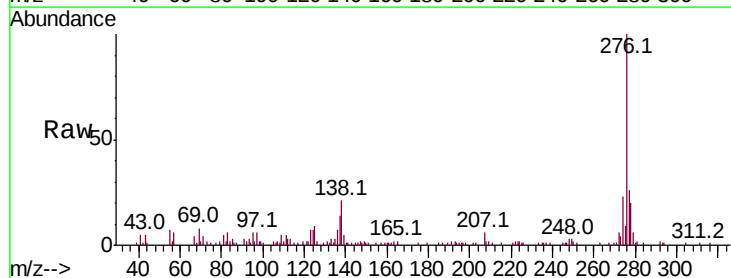
Tgt Ion:276 Resp: 66134

Ion Ratio Lower Upper

276 100

138 21.5 19.4 29.2

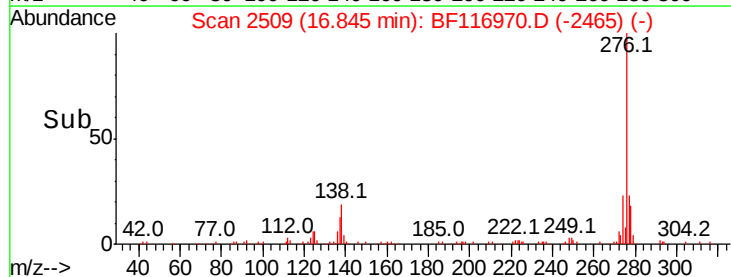
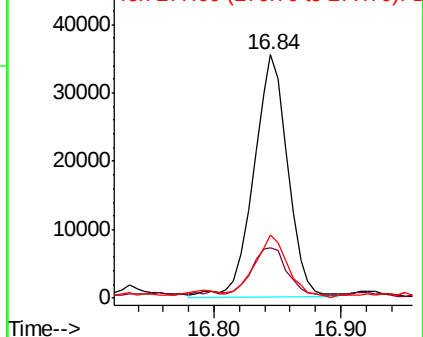
277 25.7 20.5 30.7

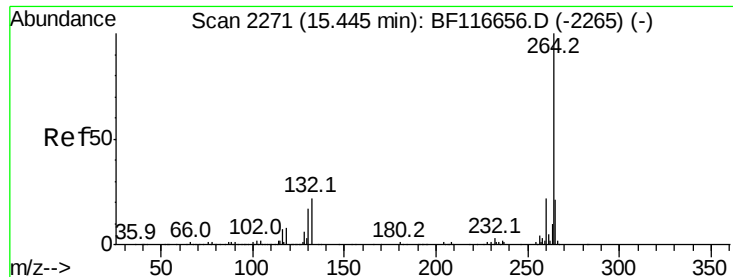


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E





#87

Pervlene-d12

Concen: 20.000 ng

RT: 15.42 min Scan# 2267

Delta R.T. -0.01 min

Lab File: BF116970.D

Acq: 12 Sep 2019 2:01

Instrument :

BNA_F

ClientSampleId :

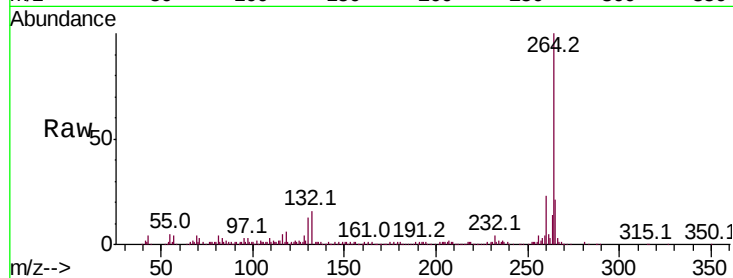
Tot Ion:264 Resp: 189128

Ion Ratio Lower Upper

264 100

260 23.4 18.3 27.5

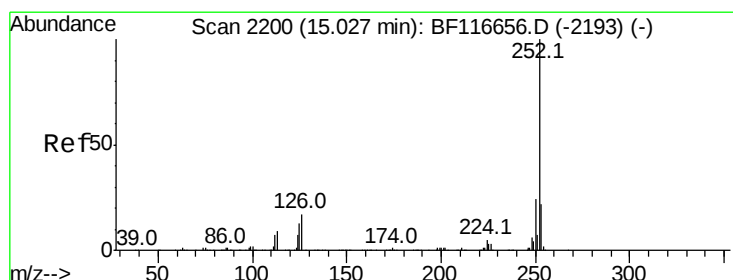
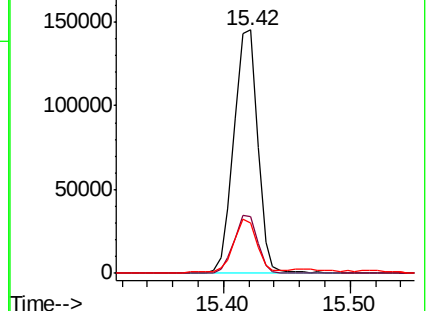
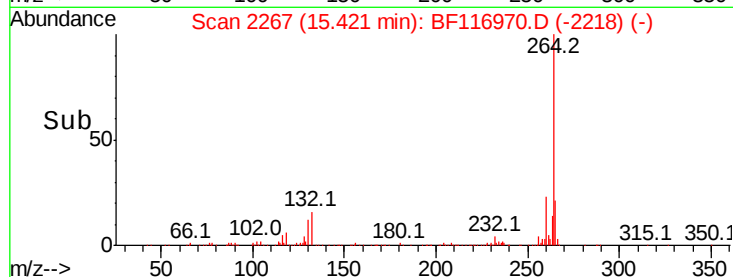
265 20.8 16.5 24.7



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: 16.123 ng

RT: 15.00 min Scan# 2195

Delta R.T. -0.02 min

Lab File: BF116970.D

Acq: 12 Sep 2019 2:01

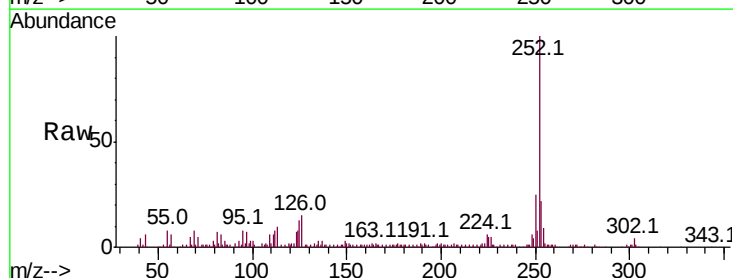
Tgt Ion:252 Resp: 184357

Ion Ratio Lower Upper

252 100

253 21.9 17.7 26.5

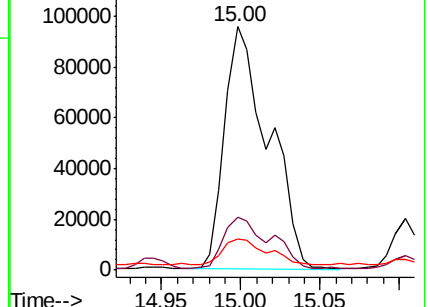
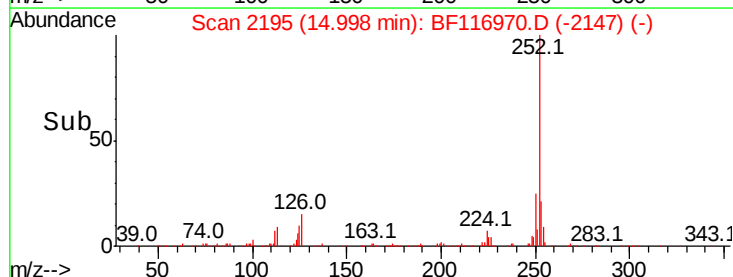
125 12.9 8.2 12.2#

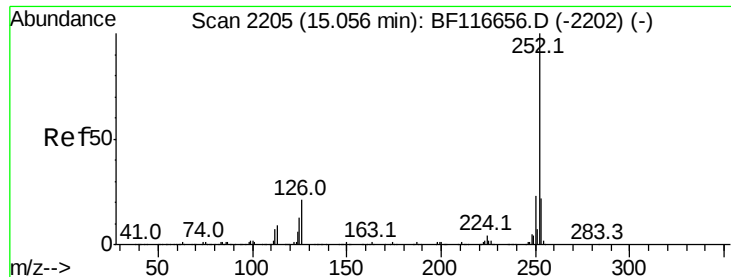


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#89

Benzo(k)fluoranthene

Concen: 17.683 ng

RT: 15.00 min Scan# 2195

Delta R.T. -0.05 min

Lab File: BF116970.D

Acq: 12 Sep 2019 2:01

Instrument :

BNA_F

ClientSampleId :

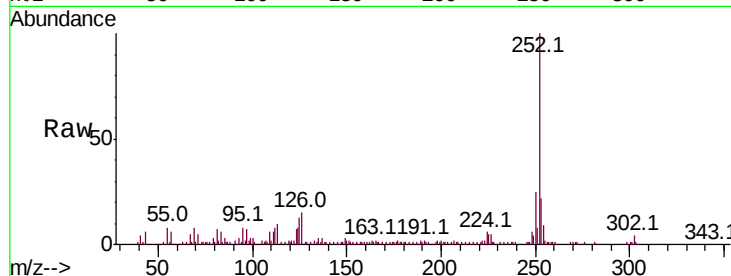
Tot Ion:252 Resp: 184357

Ion Ratio Lower Upper

252 100

253 21.9 17.7 26.5

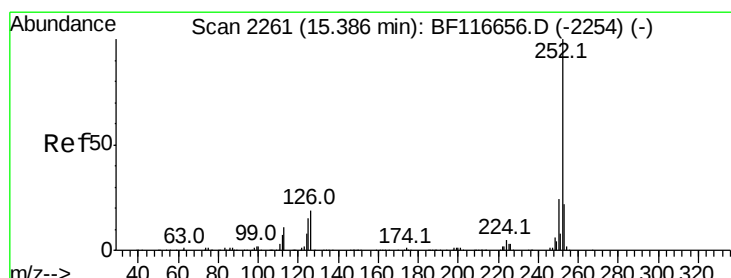
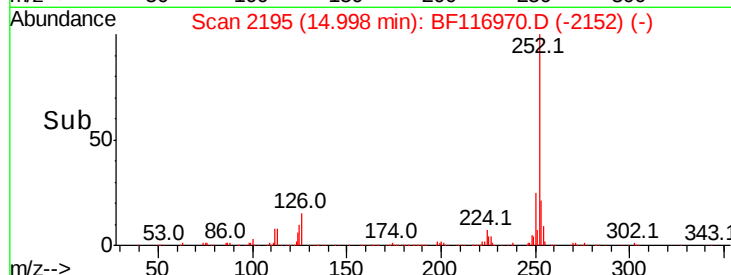
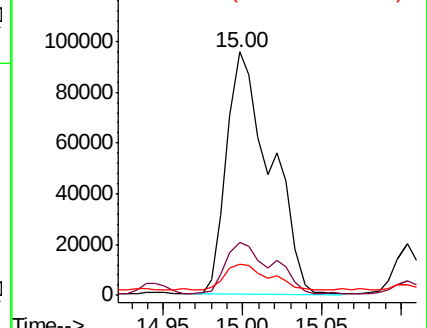
125 12.9 8.6 13.0



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: 10.319 ng

RT: 15.36 min Scan# 2256

Delta R.T. -0.02 min

Lab File: BF116970.D

Acq: 12 Sep 2019 2:01

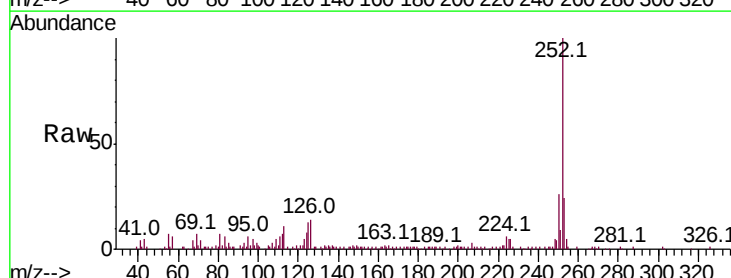
Tgt Ion:252 Resp: 102657

Ion Ratio Lower Upper

252 100

253 24.2 18.1 27.1

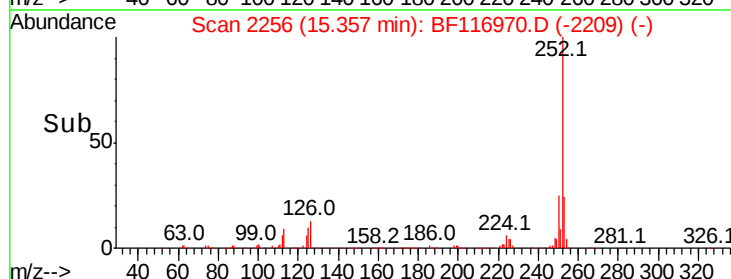
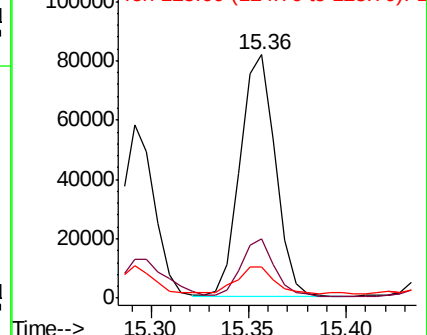
125 12.6 9.8 14.8

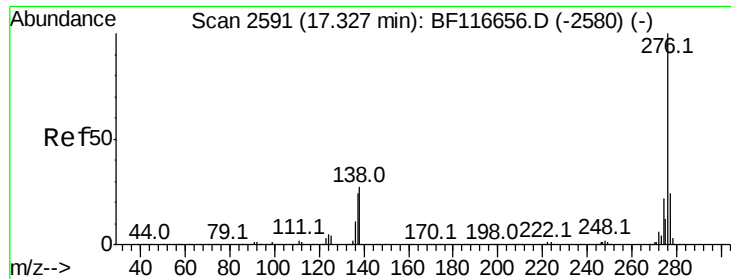


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E

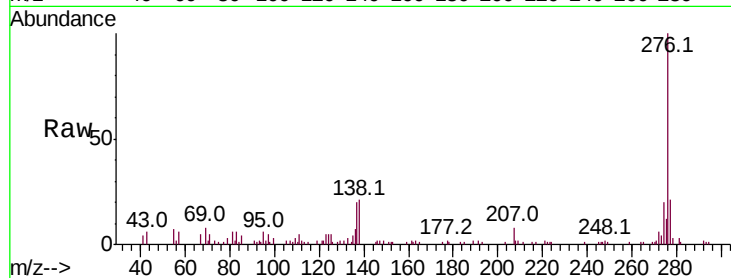




#92
 Benzo(a,h,i)perylene
 Concen: 6.881 ng
 RT: 17.27 min Scan# 2582
 Delta R.T. -0.05 min
 Lab File: BF116970.D
 Acq: 12 Sep 2019 2:01

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
276	100		
277	21.4	18.5	27.7
138	21.4	16.2	24.2



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

