

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF091119\
 Data File : BF116965.D
 Acq On : 11 Sep 2019 23:48
 Operator : HP/JU
 Sample : K4722-02
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Sep 12 07:07:29 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	70125	20.00	ng	-0.01
21) Naphthalene-d8	8.10	136	286136	20.00	ng	-0.02
39) Acenaphthene-d10	9.85	164	149437	20.00	ng	-0.02
64) Phenanthrene-d10	11.33	188	257758	20.00	ng	-0.02
76) Chrysene-d12	13.97	240	178641	20.00	ng	-0.02
87) Perylene-d12	15.41	264	179784	20.00	ng	-0.02

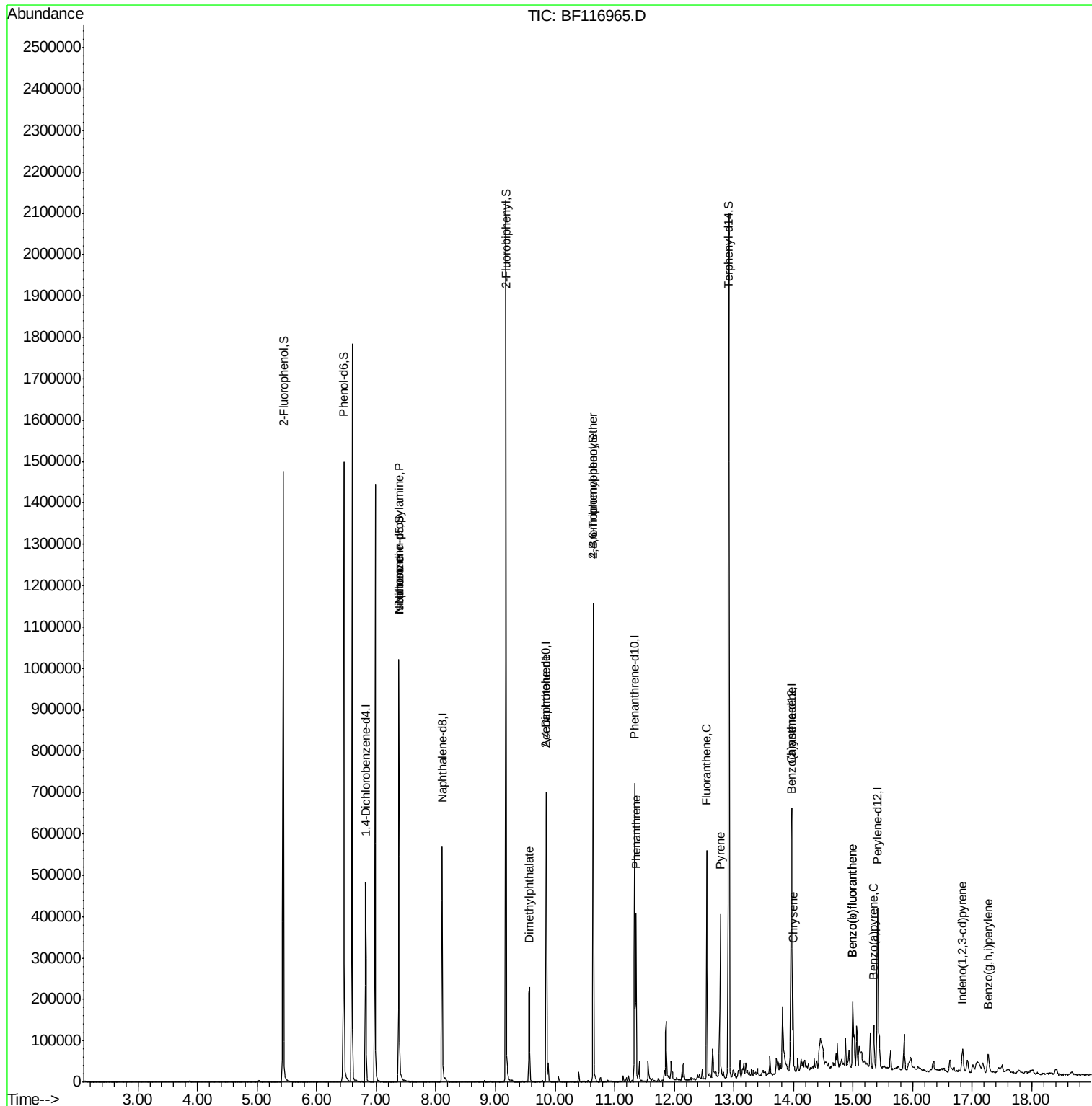
System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.44	112	409467	94.60	ng	-0.01
7) Phenol-d6	6.46	99	565522	99.50	ng	-0.02
23) Nitrobenzene-d5	7.38	82	349921	69.81	ng	-0.02
42) 2,4,6-Tribromophenol	10.64	330	118697	118.81	ng	-0.02
45) 2-Fluorobiphenyl	9.17	172	644331	72.73	ng	-0.02
79) Terphenyl-d14	12.92	244	668674	69.25	ng	-0.02

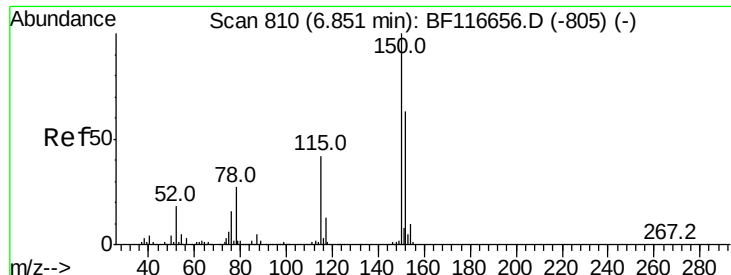
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
19) n-Nitroso-di-n-propylamine	7.38	70	46362	12.388	ng	# 72
25) Isophorone	7.38	82	349918	34.452	ng	# 66
50) Dimethylphthalate	9.57	163	100897	9.780	ng	# 97
57) 2,4-Dinitrotoluene	9.85	165	19590	8.139	ng	# 21
67) 4-Bromophenyl-phenylether	10.64	248	7786	2.973	ng	# 1
71) Phenanthrene	11.36	178	138690	9.666	ng	98
75) Fluoranthene	12.55	202	210595	14.935	ng	99
78) Pyrene	12.77	202	168935	10.638	ng	99
81) Benzo(a)anthracene	13.96	228	60278	5.331	ng	98
83) Chrysene	13.99	228	72183	6.197	ng	97
86) Indeno(1,2,3-cd)pyrene	16.84	276	39052	4.174	ng	96
88) Benzo(b)fluoranthene	14.99	252	108664	9.997	ng	# 97
89) Benzo(k)fluoranthene	14.99	252	108664	10.965	ng	# 97
90) Benzo(a)pyrene	15.35	252	50540	5.344	ng	98
92) Benzo(a,h,i)perylene	17.26	276	36327	4.303	ng	96

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

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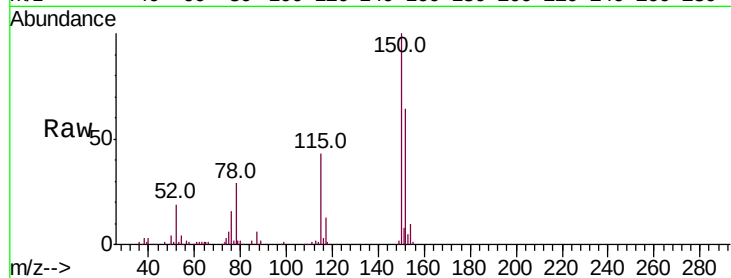


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.82 min Scan# 805
Delta R.T. -0.01 min
Lab File: BF116965.D
Acq: 11 Sep 2019 23:48

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
152	100		
150	156.9	124.4	186.6
115	67.0	49.9	74.9

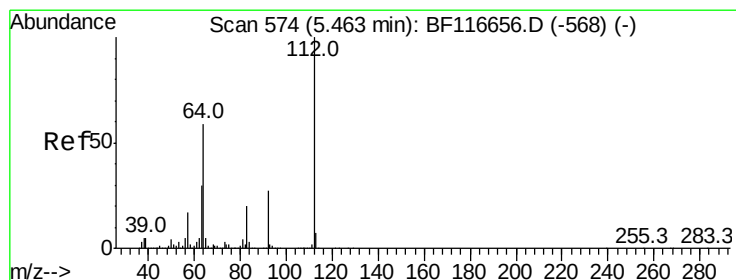
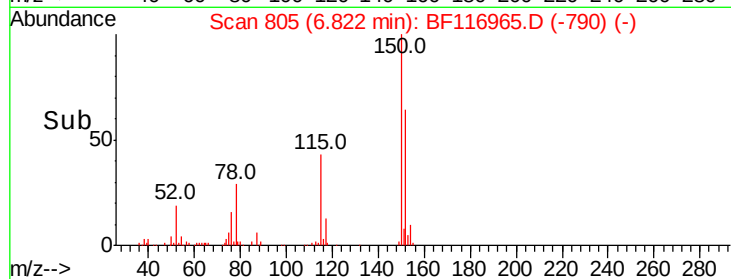
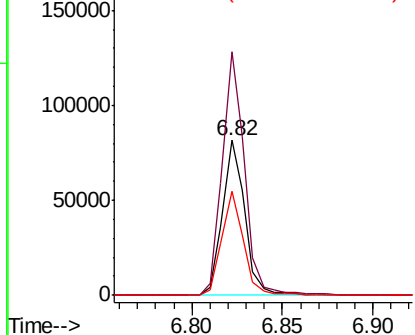


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

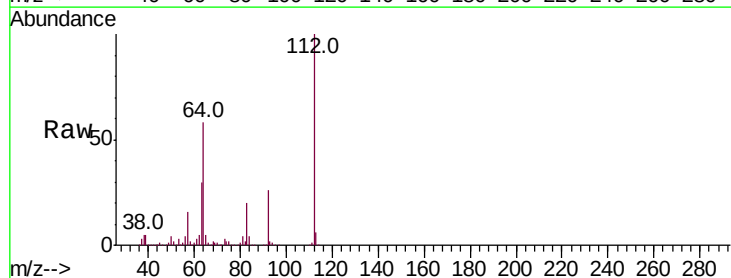
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 94.597 ng
RT: 5.44 min Scan# 570
Delta R.T. -0.01 min
Lab File: BF116965.D
Acq: 11 Sep 2019 23:48

Tgt Ion	Ratio	Lower	Upper
112	100		
64	57.8	47.1	70.7
63	29.8	24.9	37.3

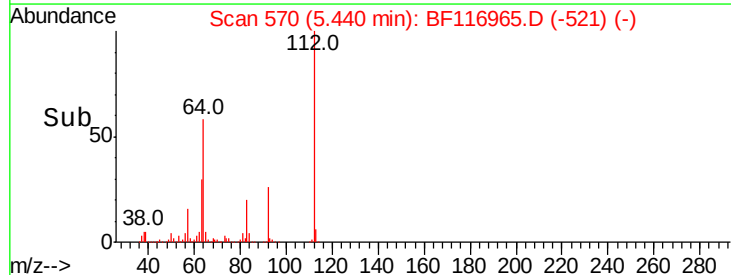
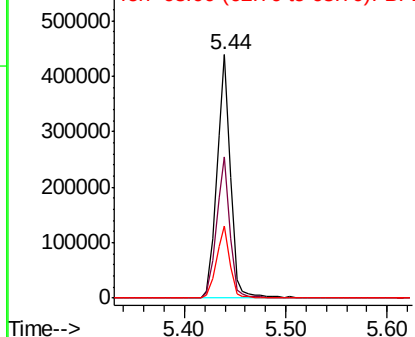


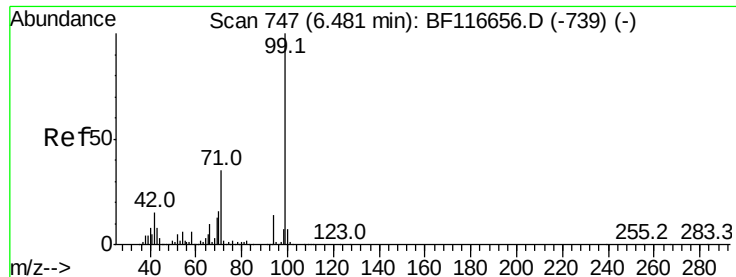
Abundance

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: 99.496 ng

RT: 6.46 min Scan# 743

Delta R.T. -0.02 min

Lab File: BF116965.D

Acq: 11 Sep 2019 23:48

Instrument :

BNA_F

ClientSampleId :

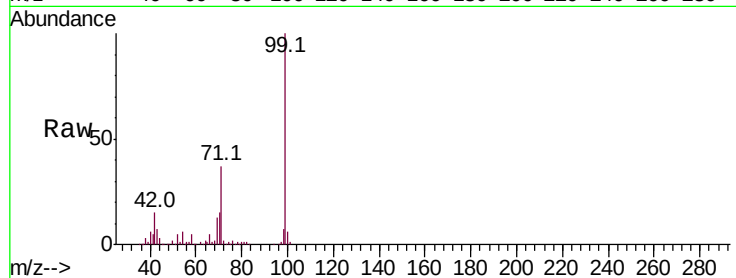
Tot Ion: 99 Resp: 565522

Ion Ratio Lower Upper

99 100

42 14.8 13.7 20.5

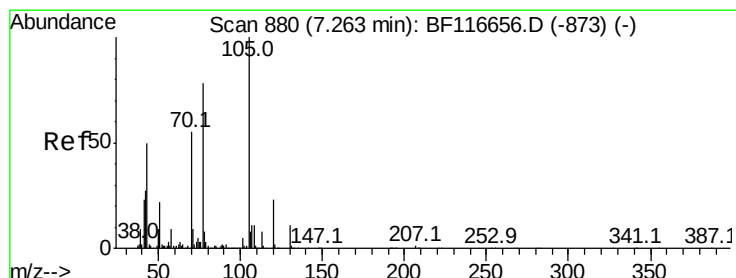
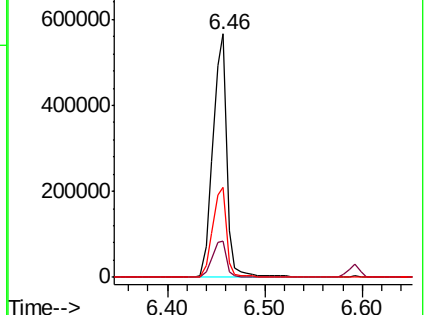
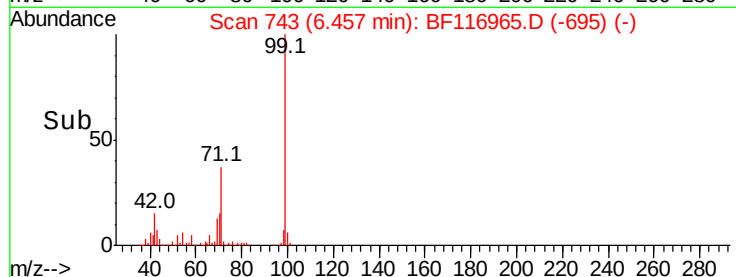
71 36.8 30.8 46.2



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: 12.388 ng

RT: 7.38 min Scan# 900

Delta R.T. 0.13 min

Lab File: BF116965.D

Acq: 11 Sep 2019 23:48

Tgt Ion: 70 Resp: 46362

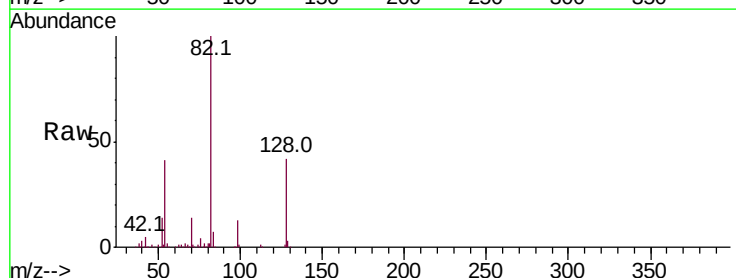
Ion Ratio Lower Upper

70 100

42 37.7 43.5 65.3#

101 0.0 7.8 11.6#

130 2.2 16.6 24.8#

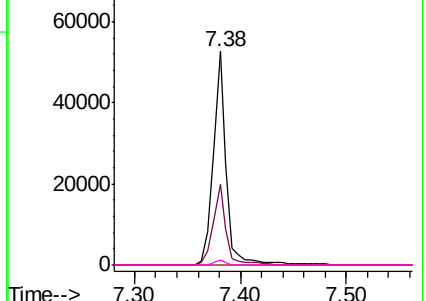
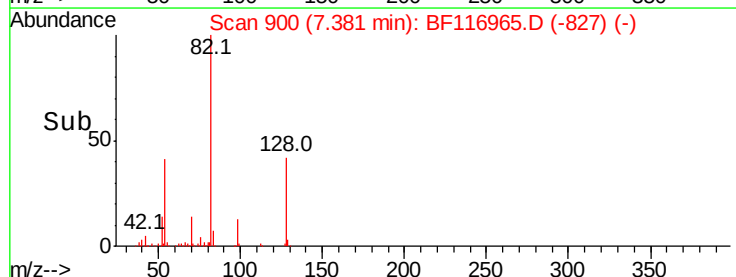


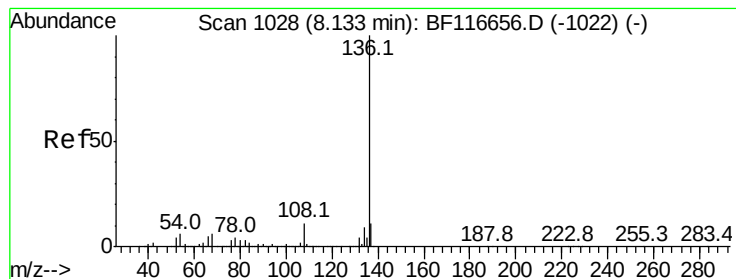
Abundance Ion 70.00 (69.70 to 70.70): BF1

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: BF116965.D

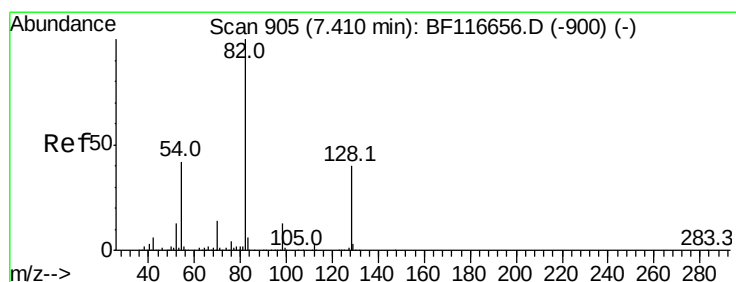
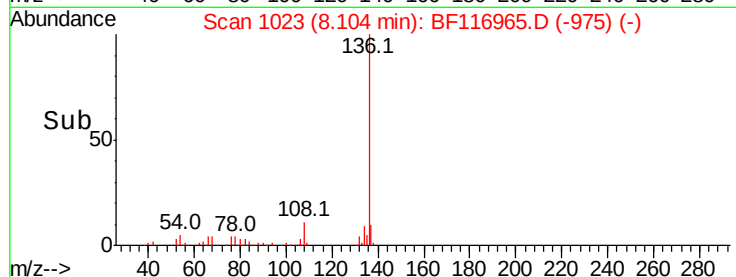
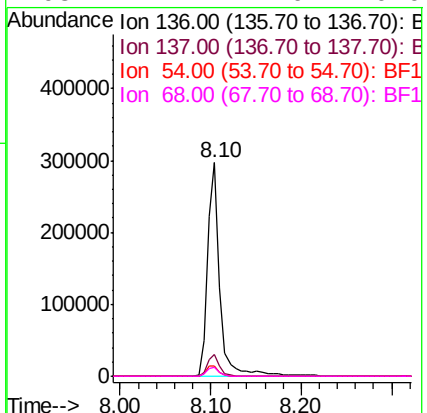
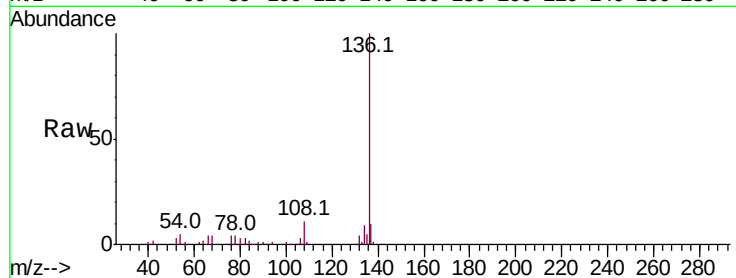
Acq: 11 Sep 2019 23:48

Instrument :

BNA_F

ClientSampleId :

Tot Ion:	136	Resp:	286136
Ion	Ratio	Lower	Upper
136	100		
137	9.9	8.9	13.3
54	4.8	4.8	7.2#
68	4.2	4.0	6.0



#23

Nitrobenzene-d5

Concen: 69.813 ng

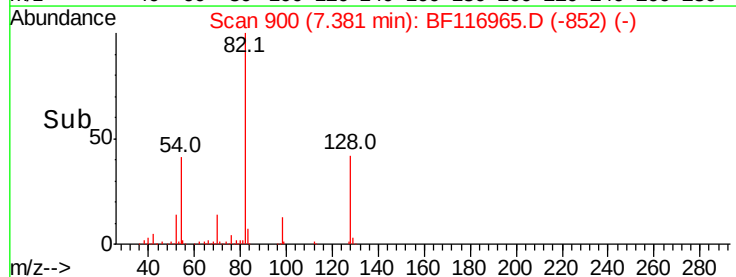
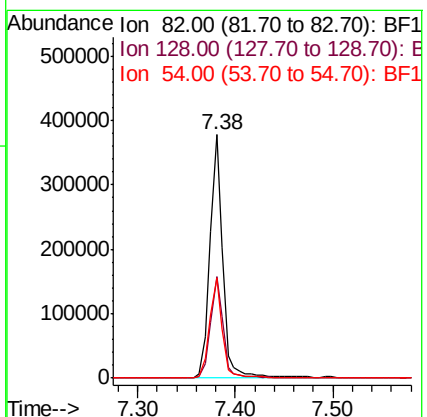
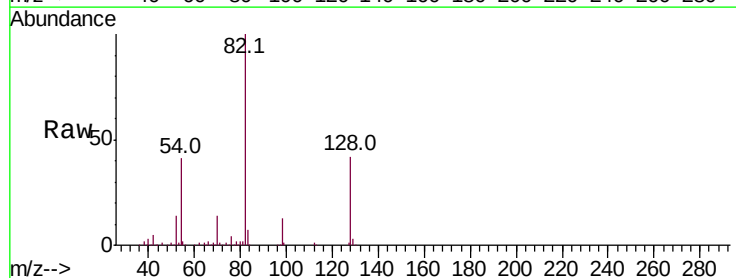
RT: 7.38 min Scan# 900

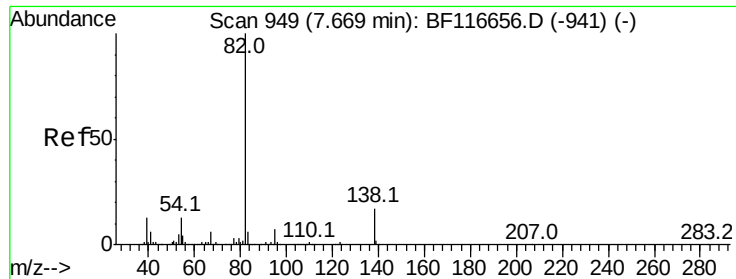
Delta R.T. -0.02 min

Lab File: BF116965.D

Acq: 11 Sep 2019 23:48

Tgt Ion:	82	Resp:	349921
Ion	Ratio	Lower	Upper
82	100		
128	41.5	32.8	49.2
54	41.2	36.9	55.3





#25

Isophorone

Concen: 34.452 ng

RT: 7.38 min Scan# 900

Delta R.T. -0.28 min

Lab File: BF116965.D

Acq: 11 Sep 2019 23:48

Instrument :

BNA_F

ClientSampled :

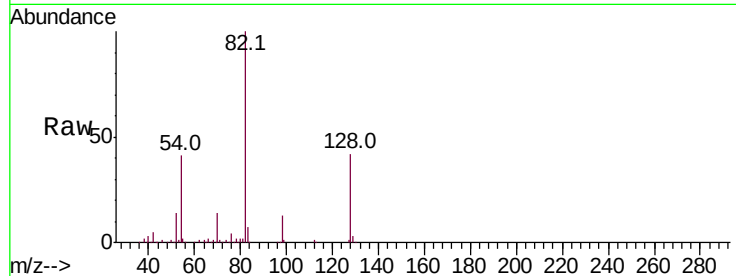
Tot Ion: 82 Resp: 349918

Ion Ratio Lower Upper

82 100

95 0.0 5.8 8.6#

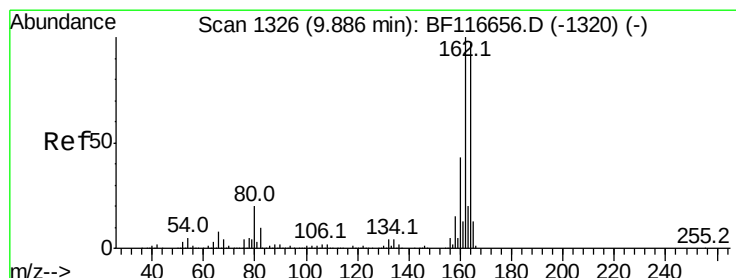
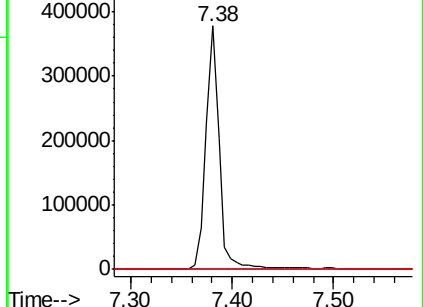
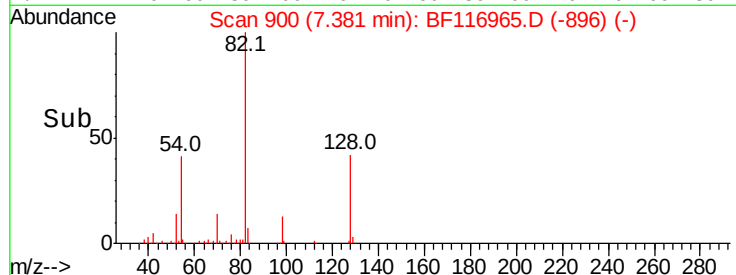
138 0.0 13.5 20.3#



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: 9.85 min Scan# 1320

Delta R.T. -0.02 min

Lab File: BF116965.D

Acq: 11 Sep 2019 23:48

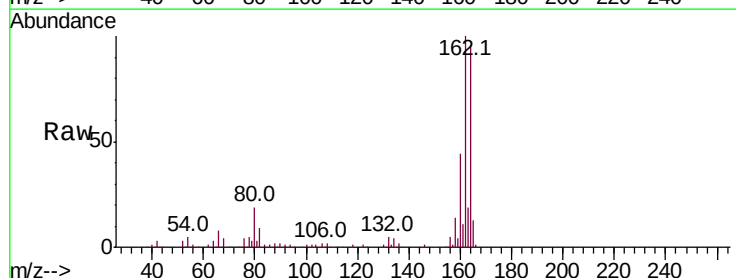
Tgt Ion: 164 Resp: 149437

Ion Ratio Lower Upper

164 100

162 103.9 81.4 122.0

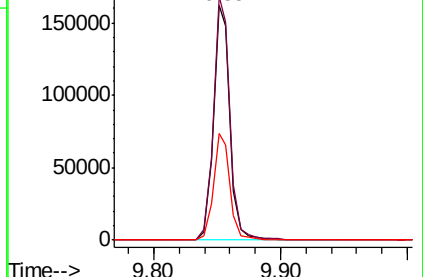
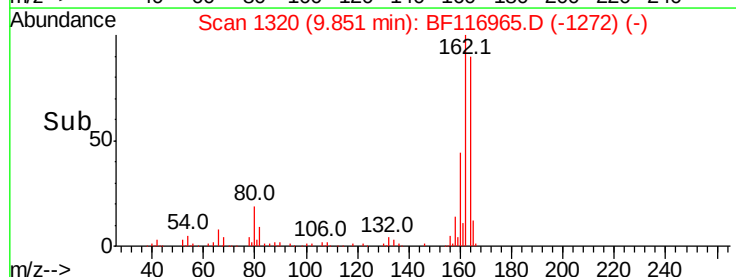
160 45.7 35.4 53.2

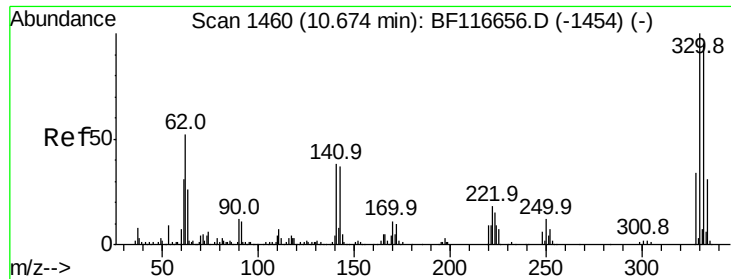


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E





#42

2,4,6-Tribromophenol

Concen: 118.814 ng

RT: 10.64 min Scan# 1454

Delta R.T. -0.02 min

Lab File: BF116965.D

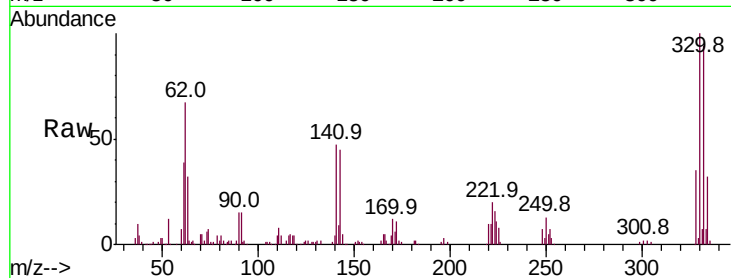
Acq: 11 Sep 2019 23:48

Instrument :

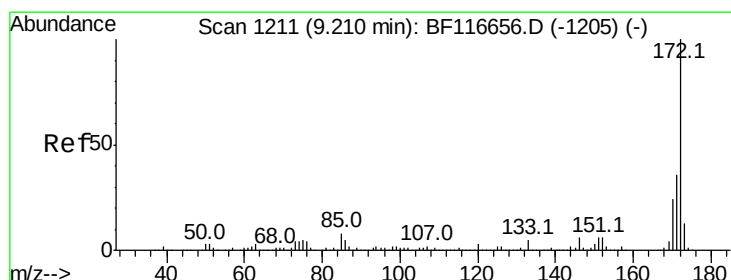
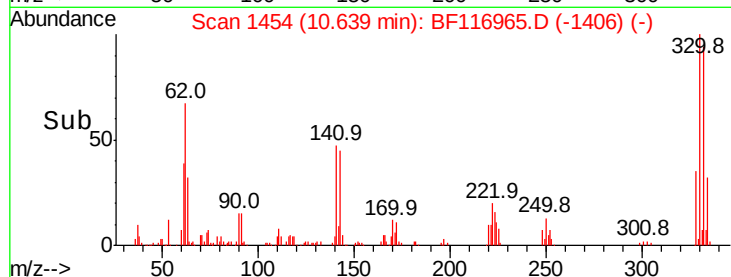
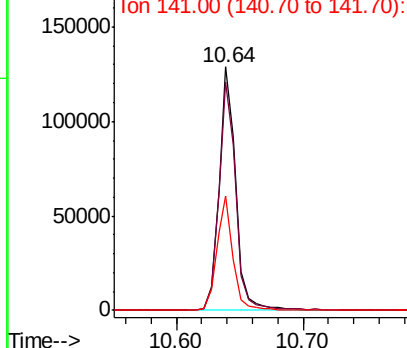
BNA_F

ClientSampled :

Tot Ion:	330	Resp:	118697
Ion	Ratio	Lower	Upper
330	100		
332	95.2	76.9	115.3
141	45.5	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: 72.734 ng

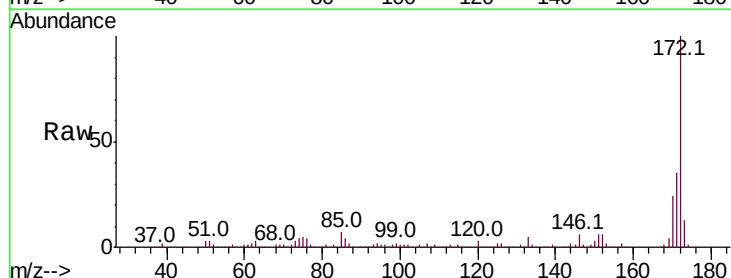
RT: 9.17 min Scan# 1205

Delta R.T. -0.02 min

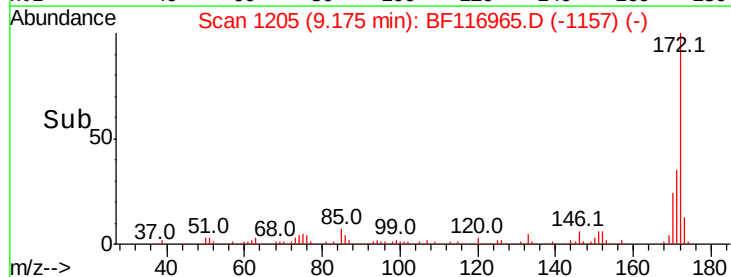
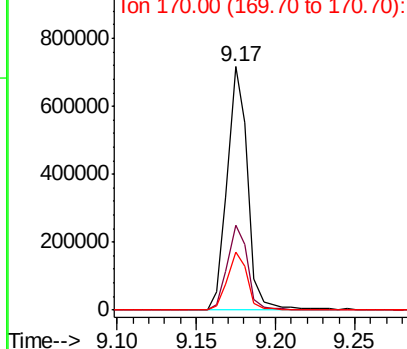
Lab File: BF116965.D

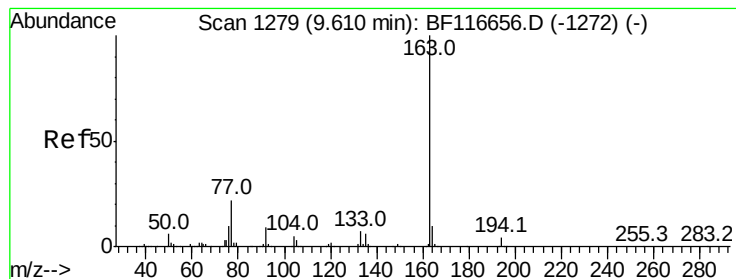
Acq: 11 Sep 2019 23:48

Tgt Ion:	172	Resp:	644331
Ion	Ratio	Lower	Upper
172	100		
171	35.0	27.8	41.6
170	23.6	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: 9.780 ng

RT: 9.57 min Scan# 1272

Delta R.T. -0.02 min

Lab File: BF116965.D

Acq: 11 Sep 2019 23:48

Instrument :

BNA_F

ClientSampled :

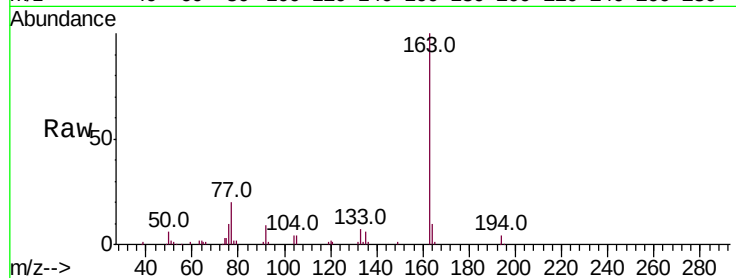
Tot Ion:163 Resp: 100897

Ion Ratio Lower Upper

163 100

194 4.4 2.8 4.2#

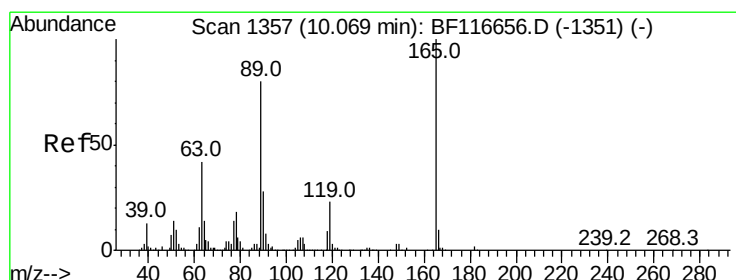
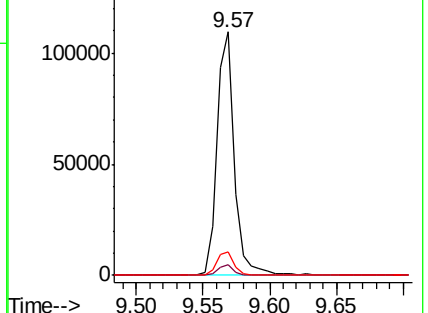
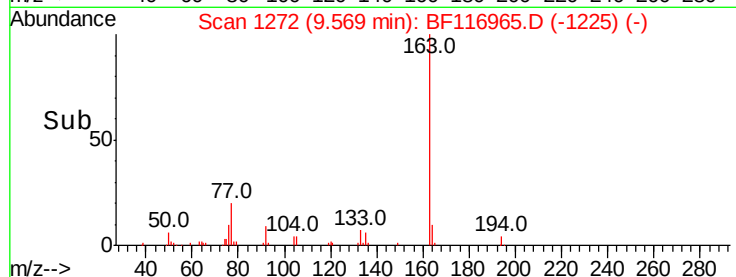
164 9.7 8.6 12.8



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: 8.139 ng

RT: 9.85 min Scan# 1320

Delta R.T. -0.21 min

Lab File: BF116965.D

Acq: 11 Sep 2019 23:48

Tgt Ion:165 Resp: 19590

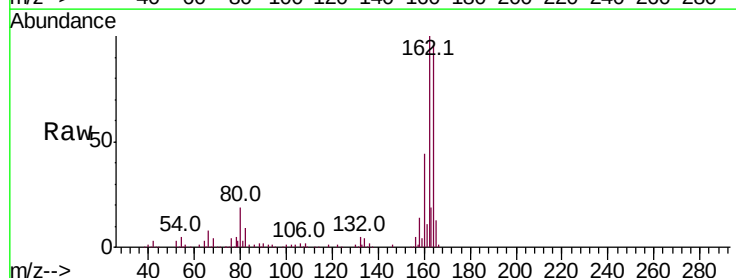
Ion Ratio Lower Upper

165 100

63 0.0 36.4 54.6#

89 1.9 62.6 94.0#

182 0.0 2.1 3.1#

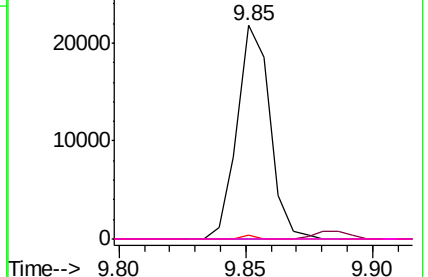
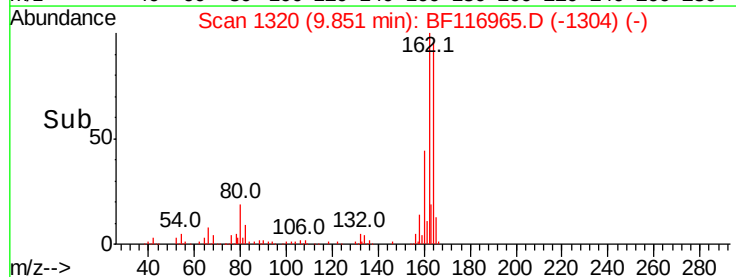


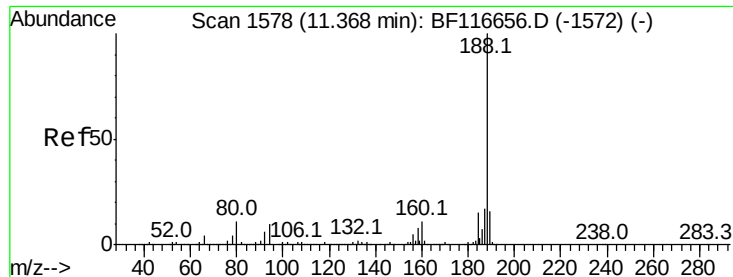
Abundance Ion 165.00 (164.70 to 165.70): E

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

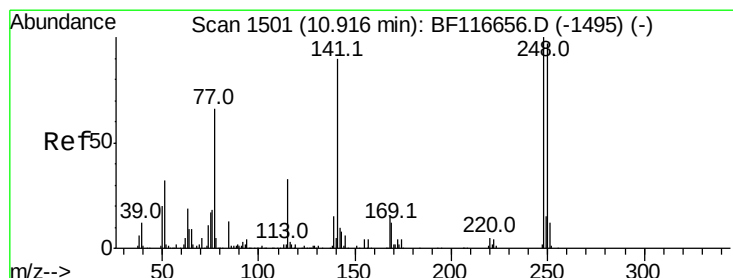
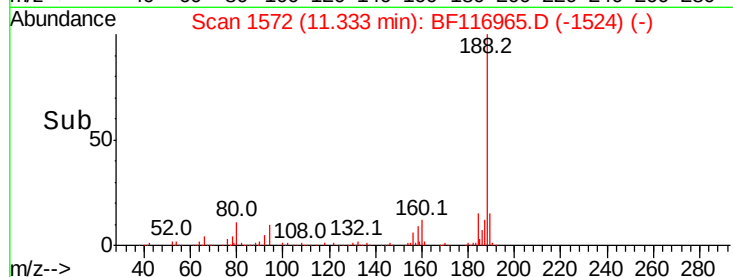
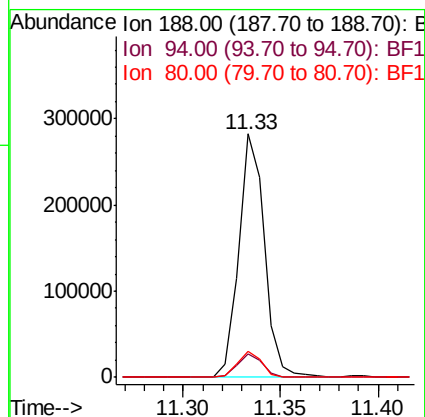
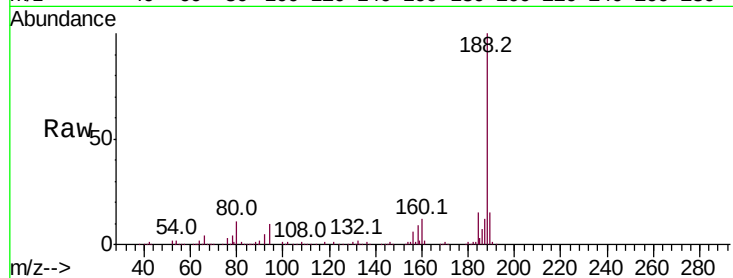




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.33 min Scan# 1572
Delta R.T. -0.02 min
Lab File: BF116965.D
Acq: 11 Sep 2019 23:48

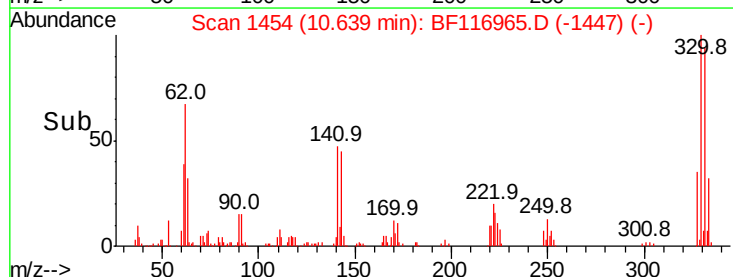
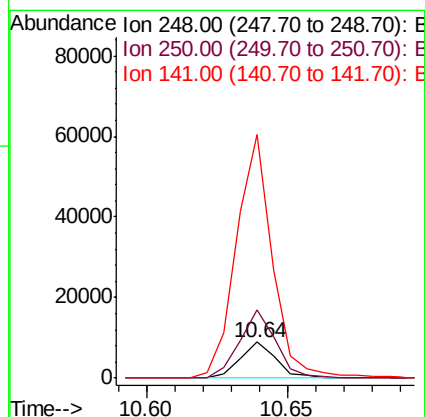
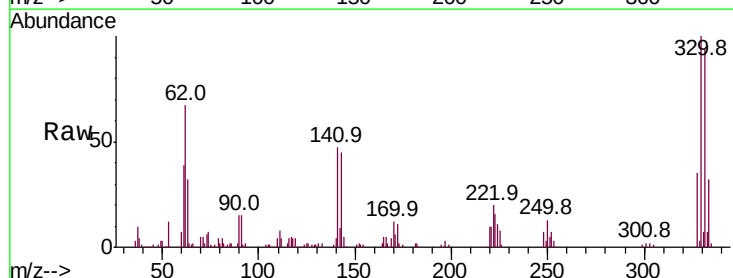
Instrument :
BNA_F
ClientSampleId :

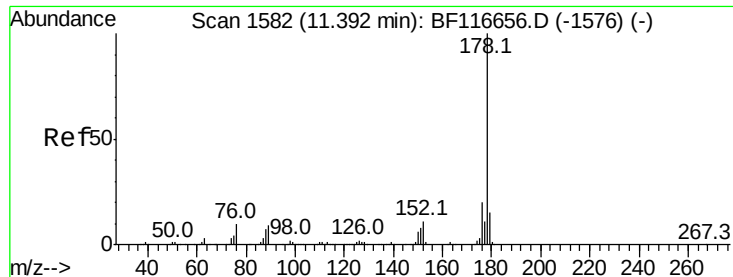
Tot Ion:188 Resp: 257758
Ion Ratio Lower Upper
188 100
94 9.5 7.3 10.9
80 10.9 8.4 12.6



#67
4-Bromophenyl-phenylether
Concen: 2.973 ng
RT: 10.64 min Scan# 1454
Delta R.T. -0.26 min
Lab File: BF116965.D
Acq: 11 Sep 2019 23:48

Tgt Ion:248 Resp: 7786
Ion Ratio Lower Upper
248 100
250 189.9 77.8 116.8#
141 672.3 75.9 113.9#

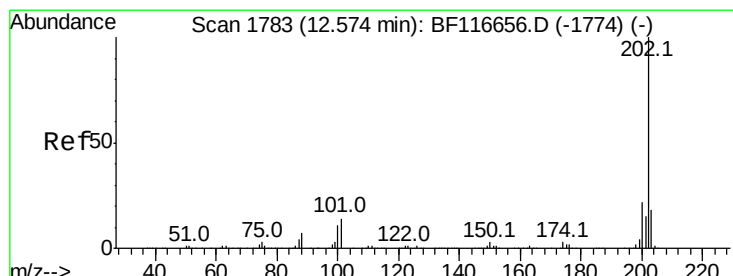
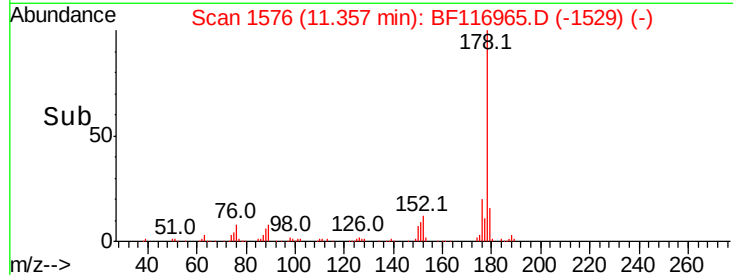
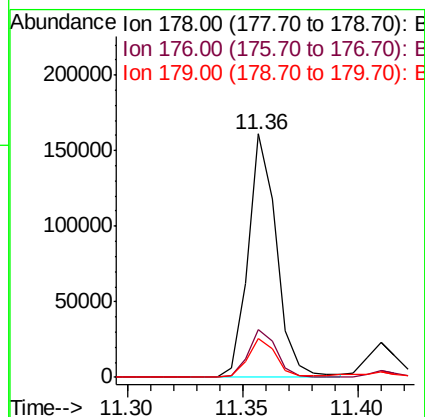
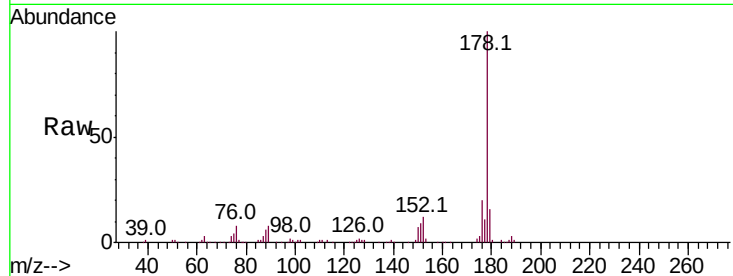




#71
Phenanthrene
Concen: 9.666 ng
RT: 11.36 min Scan# 1576
Delta R.T. -0.02 min
Lab File: BF116965.D
Acq: 11 Sep 2019 23:48

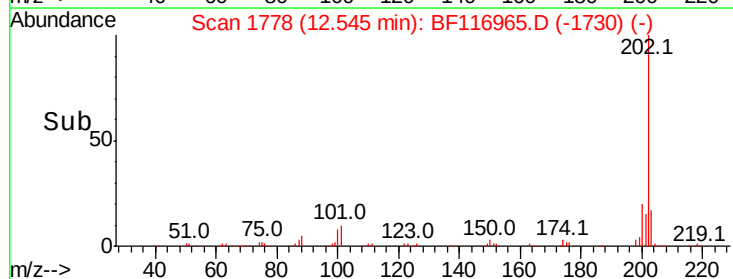
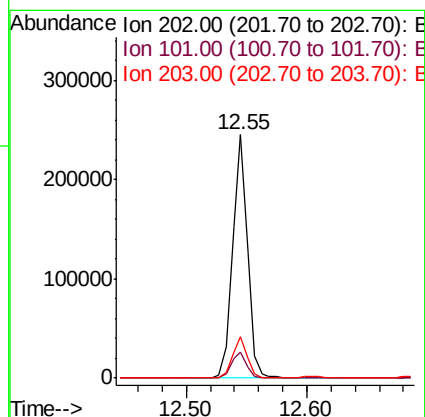
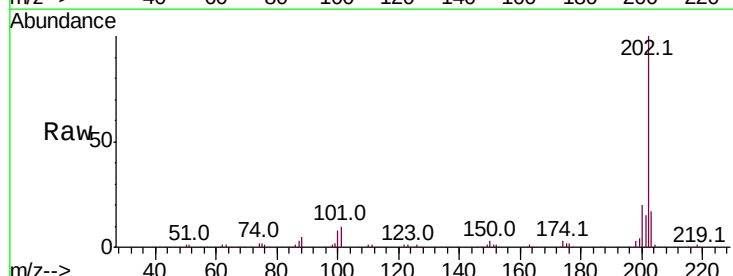
Instrument :
BNA_F
ClientSampleId :

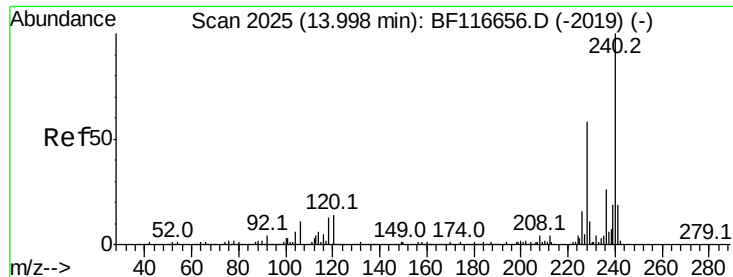
Tot Ion:178 Resp: 138690
Ion Ratio Lower Upper
178 100
176 19.8 15.4 23.0
179 16.2 12.2 18.2



#75
Fluoranthene
Concen: 14.935 ng
RT: 12.55 min Scan# 1778
Delta R.T. -0.02 min
Lab File: BF116965.D
Acq: 11 Sep 2019 23:48

Tgt Ion:202 Resp: 210595
Ion Ratio Lower Upper
202 100
101 10.4 0.0 31.3
203 17.2 0.0 37.6

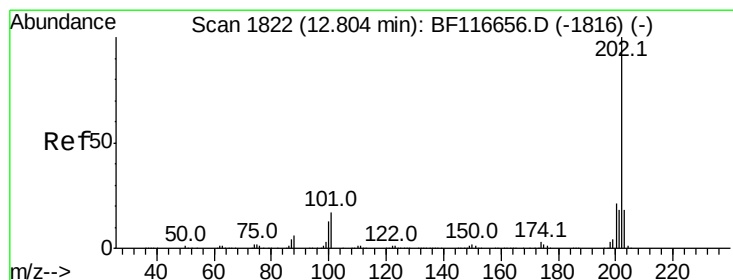
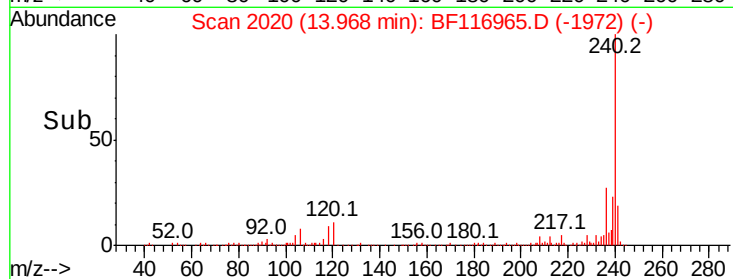
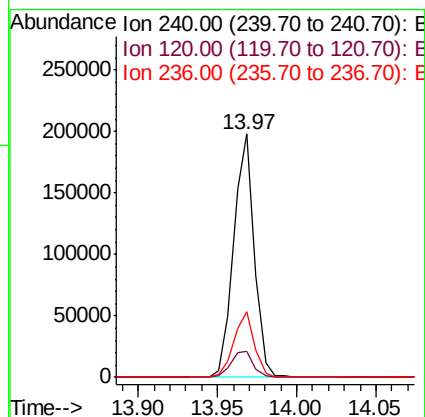
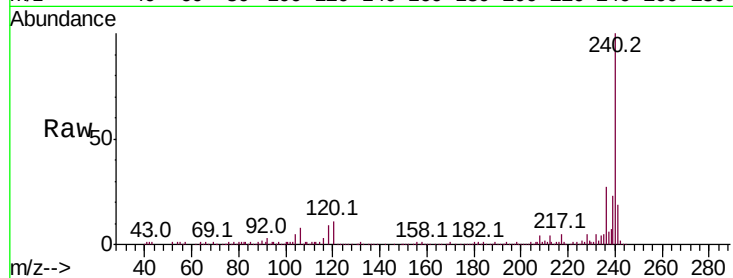




#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.97 min Scan# 2020
Delta R.T. -0.02 min
Lab File: BF116965.D
Acq: 11 Sep 2019 23:48

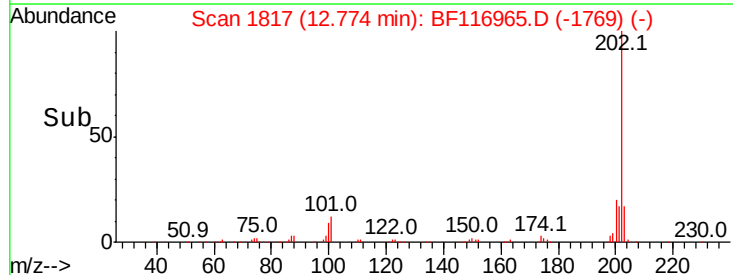
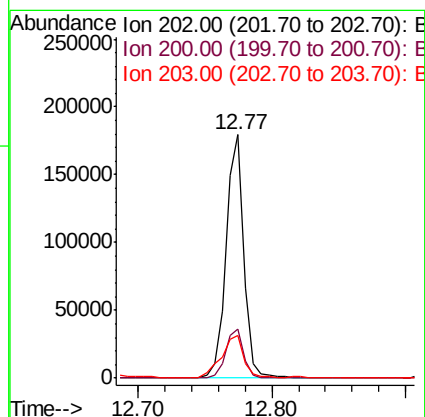
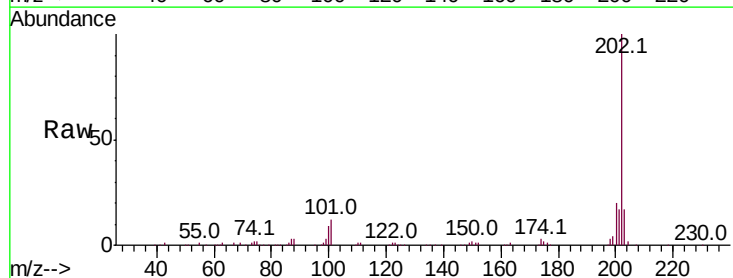
Instrument :
BNA_F
ClientSampled :

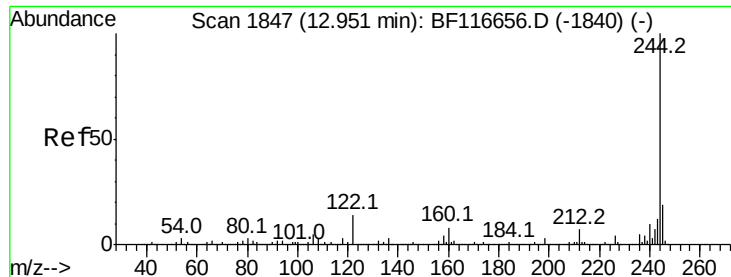
Tot Ion:240 Resp: 178641
Ion Ratio Lower Upper
240 100
120 10.9 9.1 13.7
236 27.0 21.1 31.7



#78
Pyrene
Concen: 10.638 ng
RT: 12.77 min Scan# 1817
Delta R.T. -0.02 min
Lab File: BF116965.D
Acq: 11 Sep 2019 23:48

Tgt Ion:202 Resp: 168935
Ion Ratio Lower Upper
202 100
200 20.3 16.5 24.7
203 17.5 13.7 20.5





#79

Terphenyl-d14

Concen: 69.245 ng

RT: 12.92 min Scan# 1841

Delta R.T. -0.02 min

Lab File: BF116965.D

Acq: 11 Sep 2019 23:48

Instrument :

BNA_F

ClientSampled :

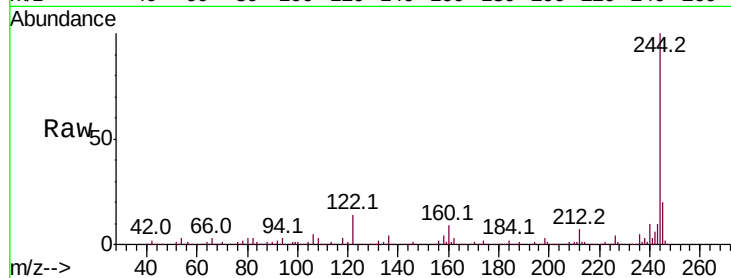
Tot Ion:244 Resp: 668674

Ion Ratio Lower Upper

244 100

212 7.3 6.1 9.1

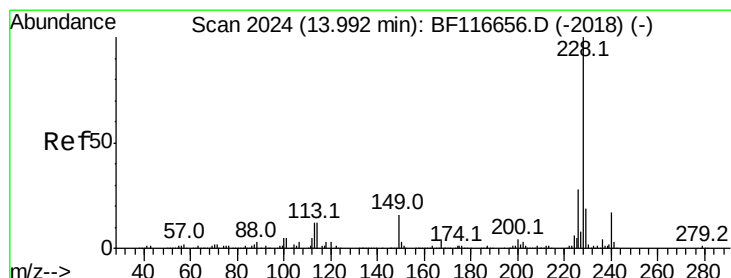
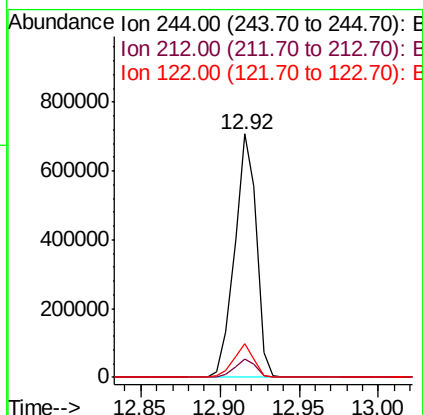
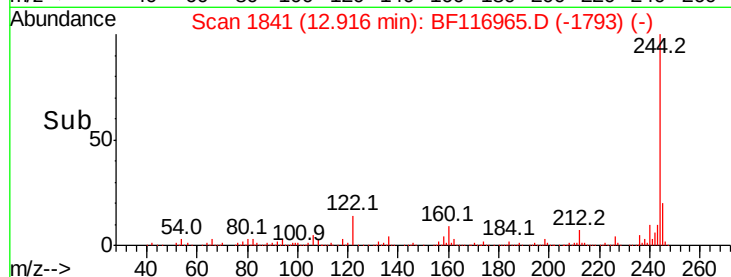
122 14.0 10.2 15.4



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: 5.331 ng

RT: 13.96 min Scan# 2018

Delta R.T. -0.02 min

Lab File: BF116965.D

Acq: 11 Sep 2019 23:48

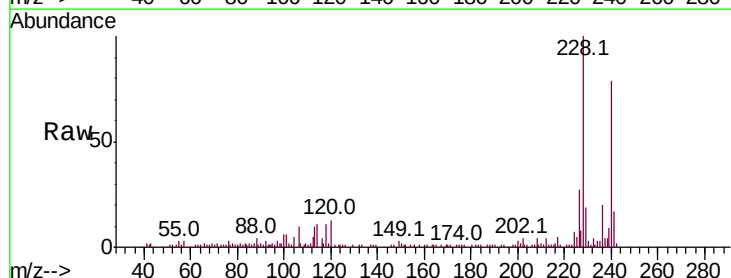
Tgt Ion:228 Resp: 60278

Ion Ratio Lower Upper

228 100

226 26.7 22.0 33.0

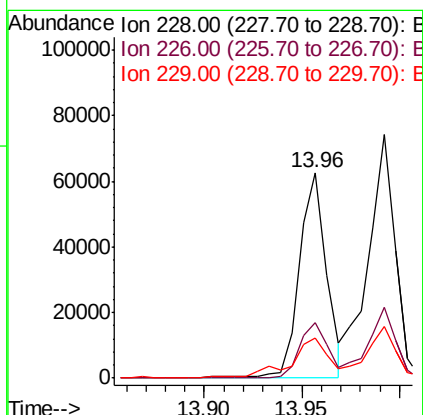
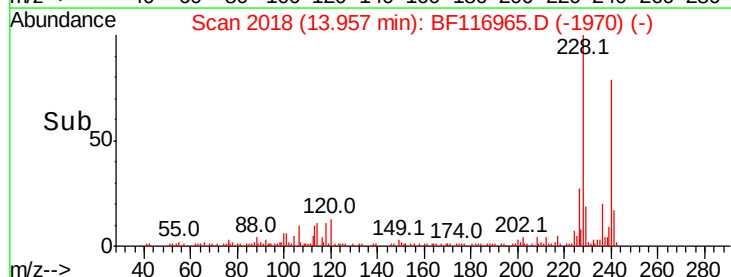
229 19.4 16.4 24.6

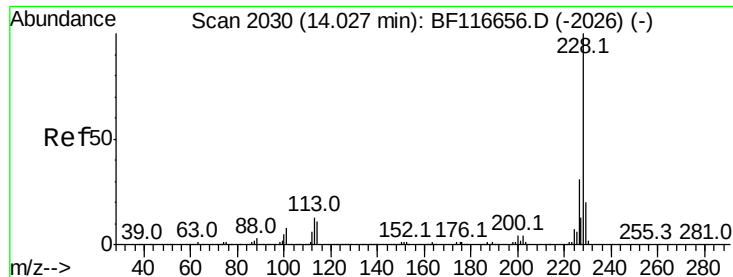


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

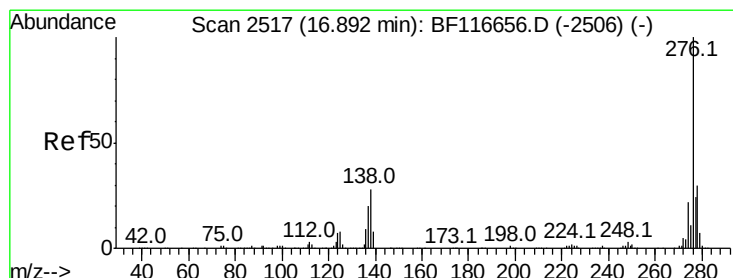
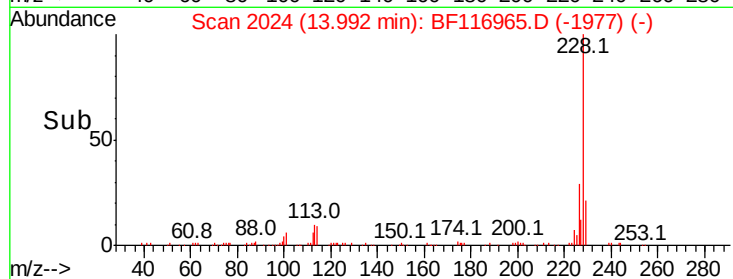
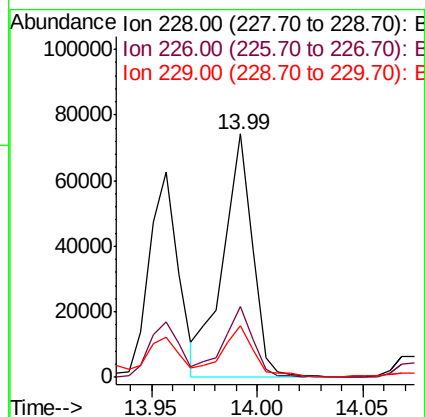
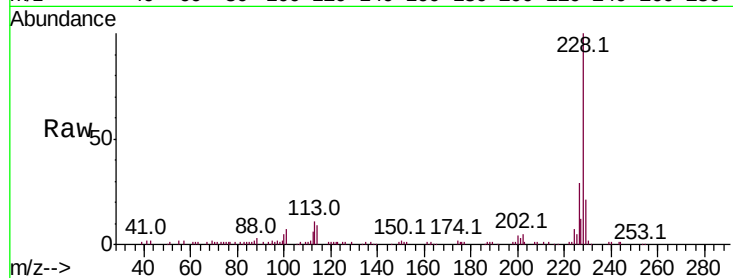




#83
Chrysene
Concen: 6.197 ng
RT: 13.99 min Scan# 2024
Delta R.T. -0.02 min
Lab File: BF116965.D
Acq: 11 Sep 2019 23:48

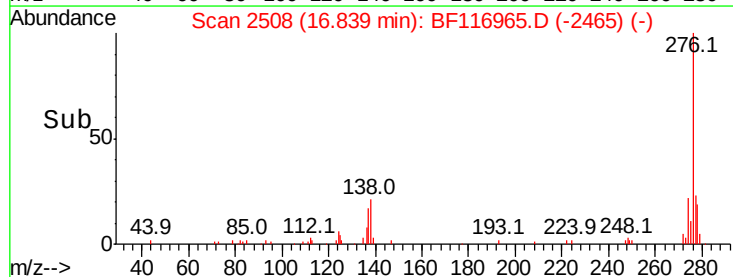
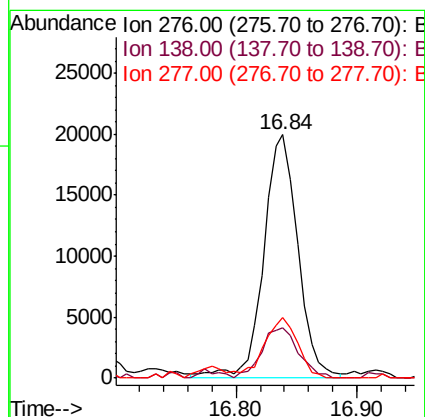
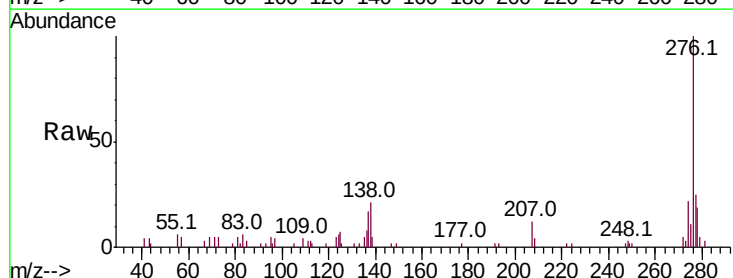
Instrument :
BNA_F
ClientSampleId :

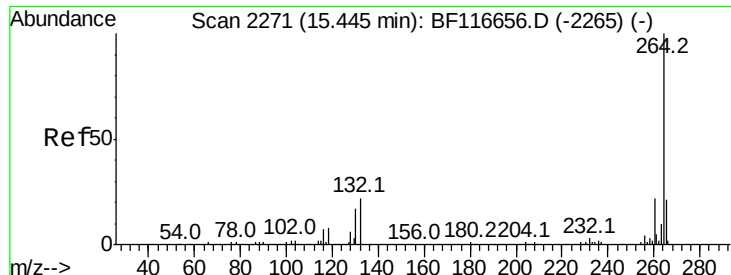
Tot Ion:228 Resp: 72183
Ion Ratio Lower Upper
228 100
226 28.9 24.0 36.0
229 21.1 15.4 23.0



#86
Indeno(1,2,3-cd)pyrene
Concen: 4.174 ng
RT: 16.84 min Scan# 2508
Delta R.T. -0.05 min
Lab File: BF116965.D
Acq: 11 Sep 2019 23:48

Tgt Ion:276 Resp: 39052
Ion Ratio Lower Upper
276 100
138 22.3 19.4 29.2
277 23.8 20.5 30.7

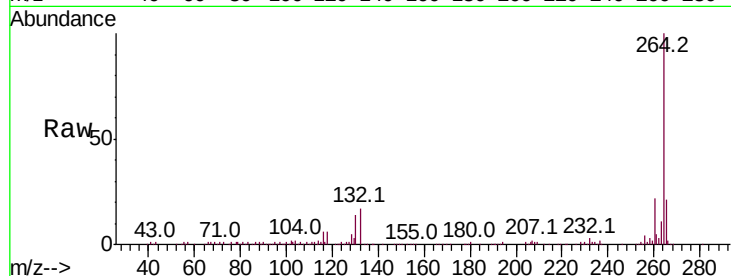




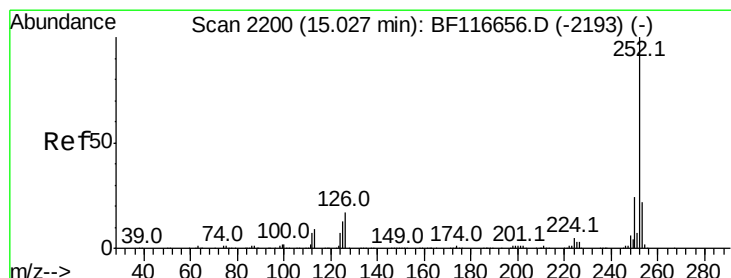
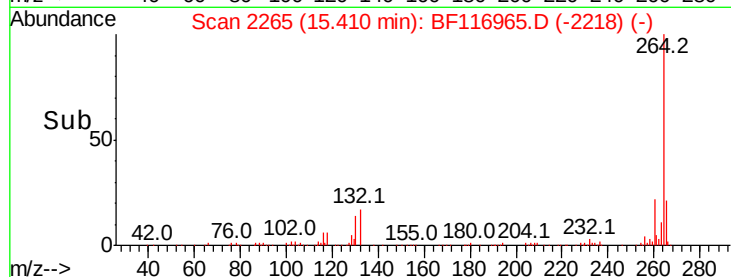
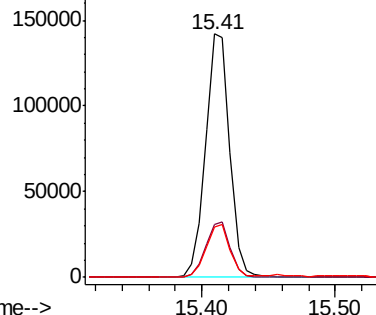
#87
Pervlene-d12
Concen: 20.000 ng
RT: 15.41 min Scan# 2265
Delta R.T. -0.02 min
Lab File: BF116965.D
Acq: 11 Sep 2019 23:48

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
264	100		
260	21.7	18.3	27.5
265	20.6	16.5	24.7

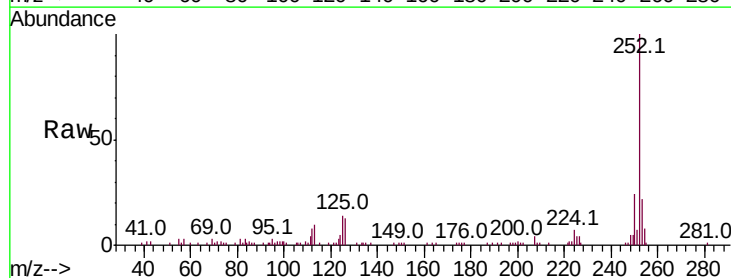


Abundance Ion 264.00 (263.70 to 264.70): E
Ion 260.00 (259.70 to 260.70): E
Ion 265.00 (264.70 to 265.70): E

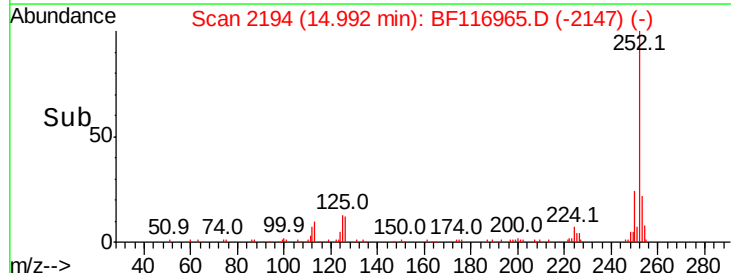
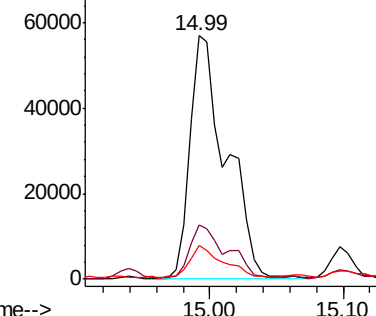


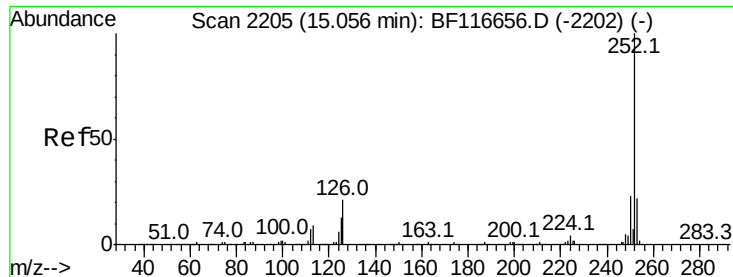
#88
Benzo(b)fluoranthene
Concen: 9.997 ng
RT: 14.99 min Scan# 2194
Delta R.T. -0.02 min
Lab File: BF116965.D
Acq: 11 Sep 2019 23:48

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.3	17.7	26.5
125	13.9	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

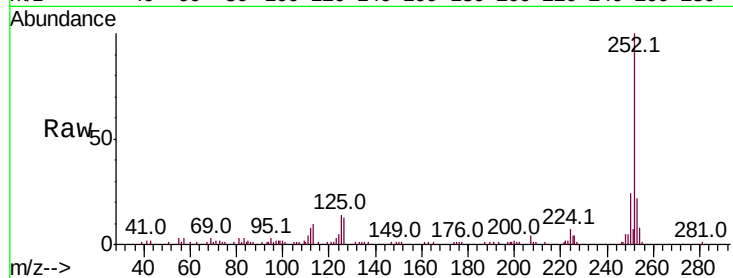




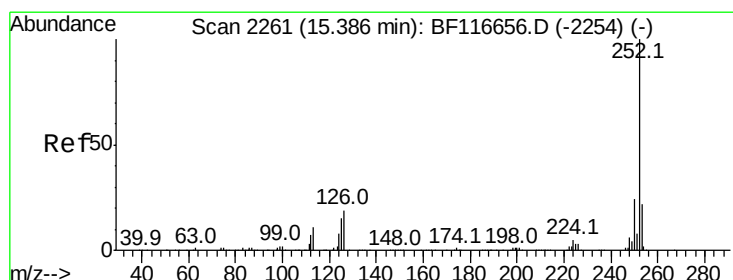
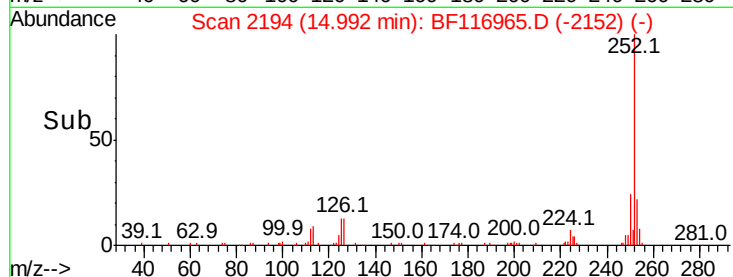
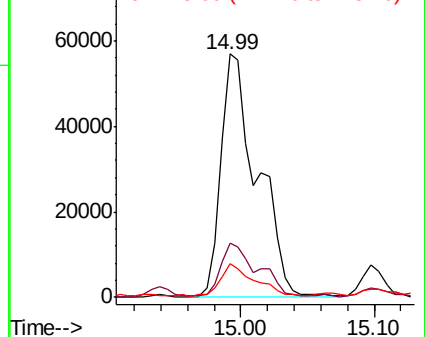
#89
Benzo(k)fluoranthene
Concen: 10.965 ng
RT: 14.99 min Scan# 2194
Delta R.T. -0.05 min
Lab File: BF116965.D
Acq: 11 Sep 2019 23:48

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
252	100		
253	22.3	17.7	26.5
125	13.9	8.6	13.0

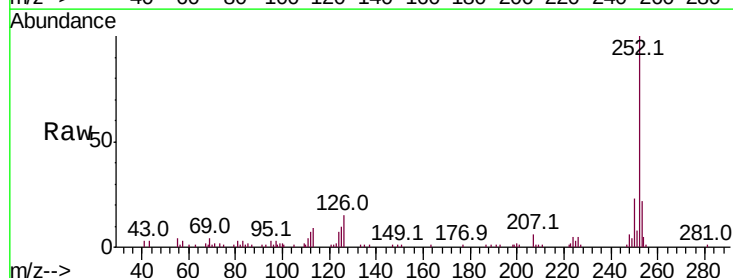


Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E

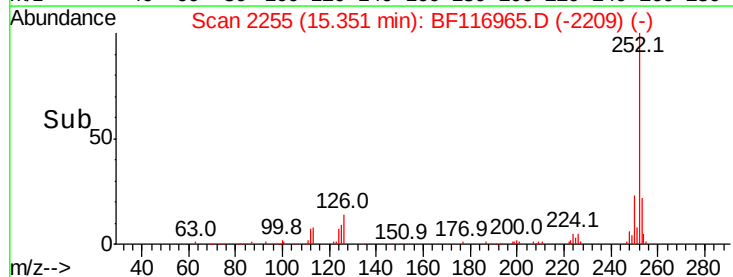
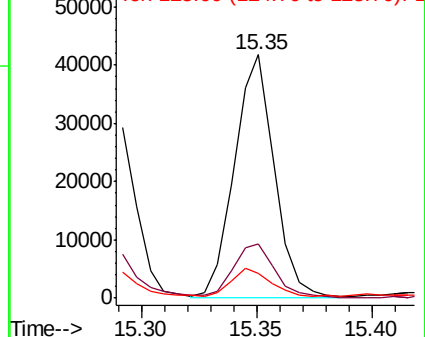


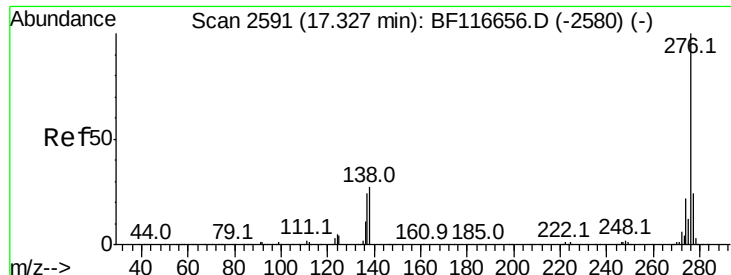
#90
Benzo(a)pyrene
Concen: 5.344 ng
RT: 15.35 min Scan# 2255
Delta R.T. -0.03 min
Lab File: BF116965.D
Acq: 11 Sep 2019 23:48

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.3	18.1	27.1
125	10.3	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: 4.303 ng

RT: 17.26 min Scan# 2580

Delta R.T. -0.06 min

Lab File: BF116965.D

Acq: 11 Sep 2019 23:48

Instrument :

BNA_F

ClientSampleId :

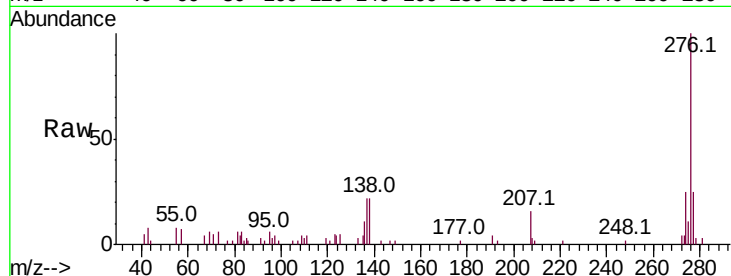
Tot Ion:276 Resp: 36327

Ion Ratio Lower Upper

276 100

277 24.6 18.5 27.7

138 22.1 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

