

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF090419\
 Data File : BF116811.D
 Acq On : 4 Sep 2019 13:17
 Operator : HP/JU
 Sample : K4624-06
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Sep 05 02:05:25 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF083019.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Aug 30 20:02:30 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.85	152	66993	20.00	ng	0.00
21) Naphthalene-d8	8.13	136	265497	20.00	ng	0.00
39) Acenaphthene-d10	9.88	164	134459	20.00	ng	0.00
64) Phenanthrene-d10	11.36	188	211233	20.00	ng	0.00
76) Chrysene-d12	14.02	240	137198	20.00	ng	0.02
87) Perylene-d12	15.46	264	161253	20.00	ng	0.02

System Monitoring Compounds

5) 2-Fluorophenol	5.46	112	362736	87.72	ng	0.00
7) Phenol-d6	6.47	99	518706	95.53	ng	0.00
23) Nitrobenzene-d5	7.40	82	321728	69.18	ng	0.00
42) 2,4,6-Tribromophenol	10.67	330	113253	125.99	ng	0.00
45) 2-Fluorobiphenyl	9.20	172	569180	71.41	ng	0.00
79) Terphenyl-d14	12.96	244	468102	63.12	ng	0.01

Target Compounds

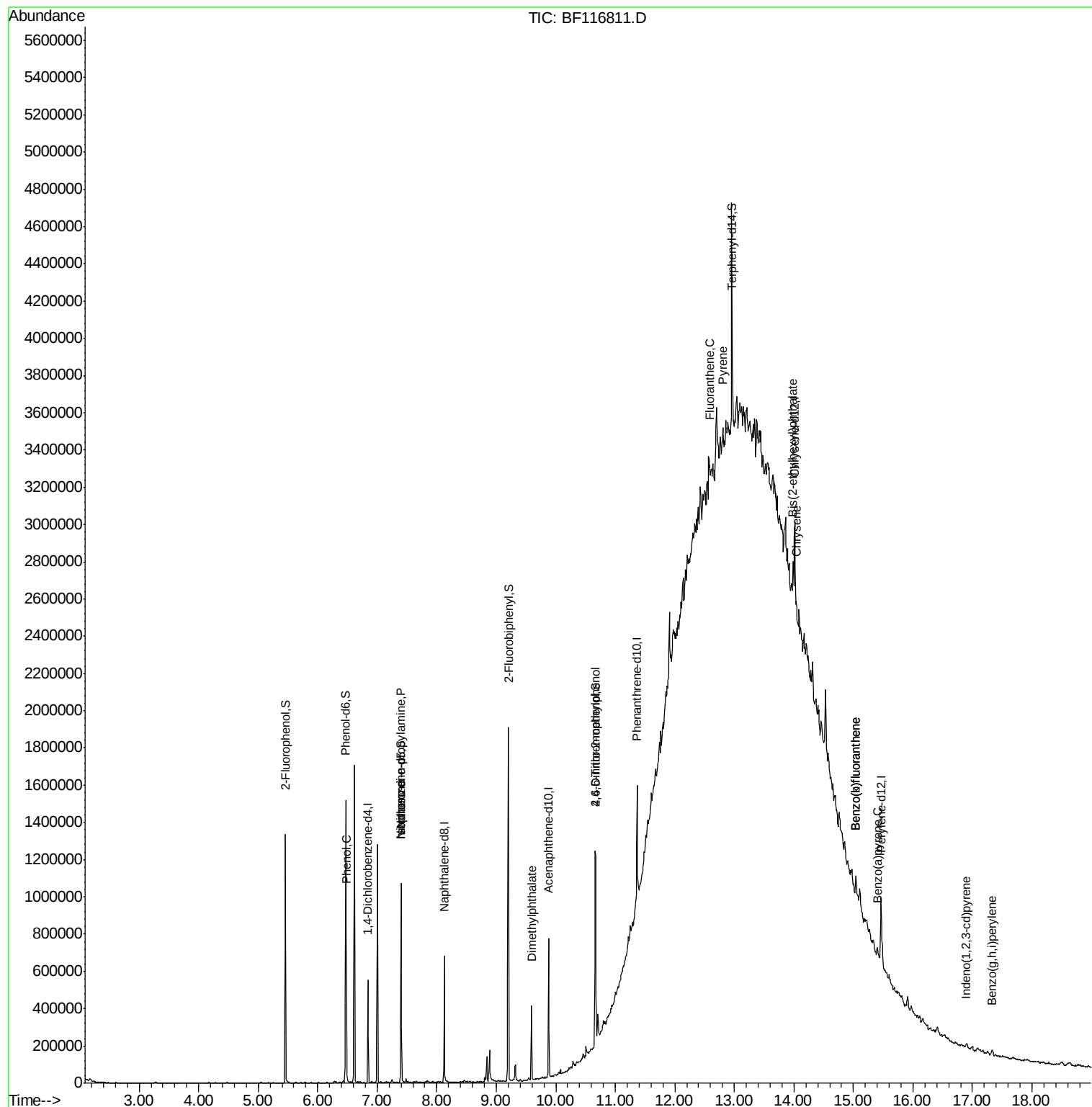
						Qvalue
10) Phenol	6.49	94	24948	4.149	ng	96
19) n-Nitroso-di-n-propylamine	7.40	70	42988	12.024	ng	# 70
25) Isophorone	7.40	82	321721	34.139	ng	# 66
50) Dimethylphthalate	9.59	163	133800	14.413	ng	98
65) 4,6-Dinitro-2-methylphenol	10.66	198	235	7.706	ng	# 1
75) Fluoranthene	12.59	202	44372	3.840	ng	# 58
78) Pyrene	12.82	202	35912	2.945	ng	# 55
83) Chrysene	14.04	228	23538	2.631	ng	# 79
84) Bis(2-ethylhexyl)phthalate	13.99	149	55903	7.636	ng	# 99
86) Indeno(1,2,3-cd)pyrene	16.90	276	17306	2.408	ng	# 93
88) Benzo(b)fluoranthene	15.04	252	43839	4.497	ng	# 64
89) Benzo(k)fluoranthene	15.04	252	43839	4.932	ng	# 64
90) Benzo(a)pyrene	15.40	252	17469	2.060	ng	# 64
92) Benzo(a,h,i)perylene	17.33	276	15884	2.098	ng	# 71

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

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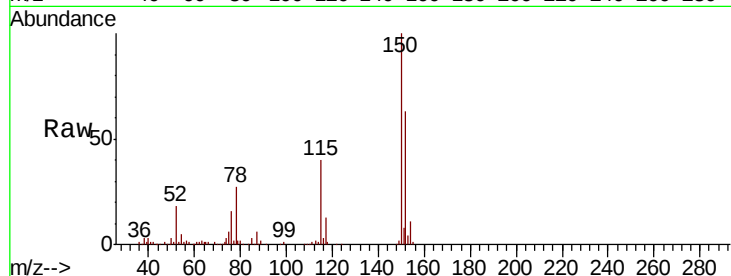


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.85 min Scan# 809
Delta R.T. -0.01 min
Lab File: BF116811.D
Acq: 4 Sep 2019 13:17

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
152	100		
150	158.9	124.4	186.6
115	63.6	49.9	74.9

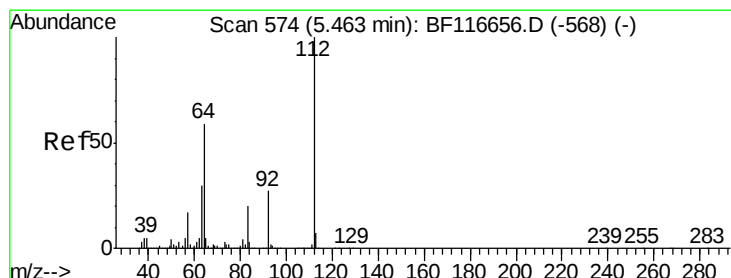
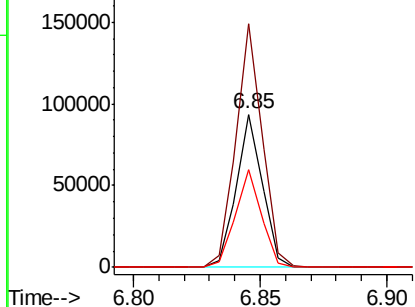
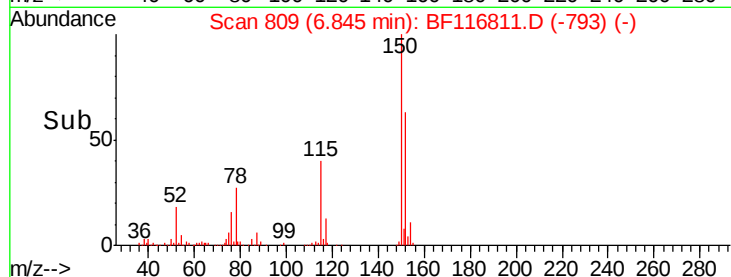


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

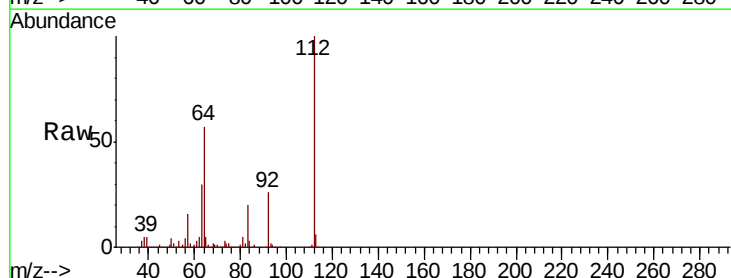
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 87.719 ng
RT: 5.46 min Scan# 573
Delta R.T. -0.01 min
Lab File: BF116811.D
Acq: 4 Sep 2019 13:17

Tgt Ion	Ratio	Lower	Upper
112	100		
64	56.7	47.1	70.7
63	29.7	24.9	37.3

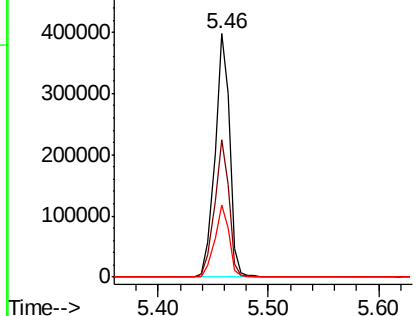
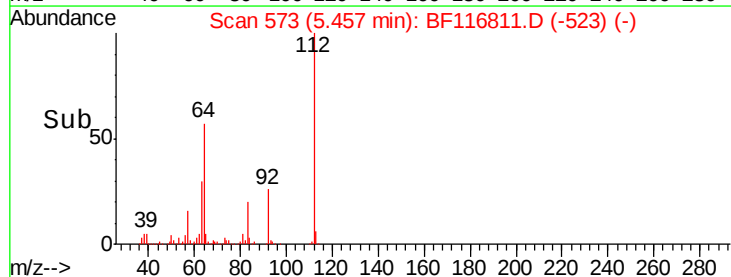


Abundance

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: 95.526 ng

RT: 6.47 min Scan# 746

Delta R.T. -0.01 min

Lab File: BF116811.D

Acq: 4 Sep 2019 13:17

Instrument :

BNA_F

ClientSampleId :

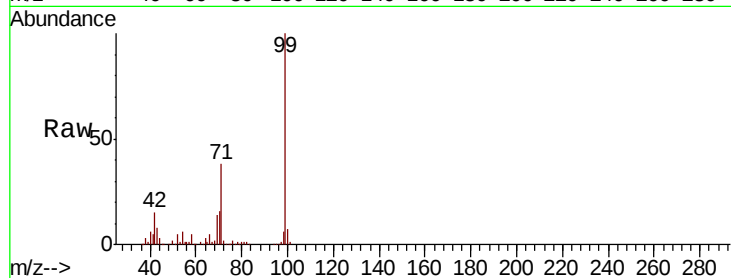
Tot Ion: 99 Resp: 518706

Ion Ratio Lower Upper

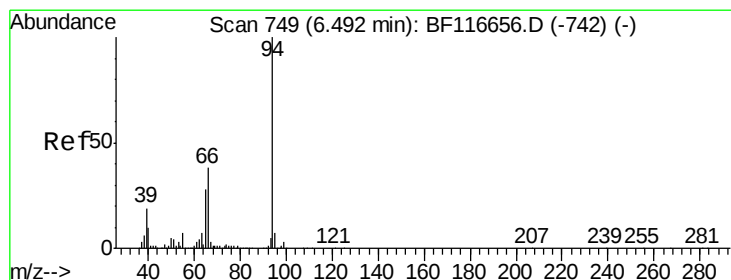
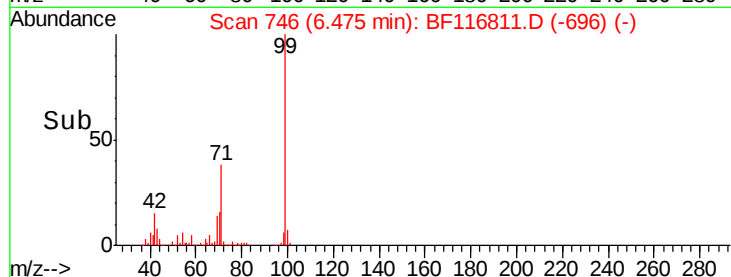
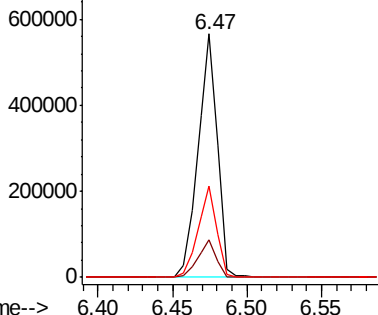
99 100

42 15.4 13.7 20.5

71 37.6 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



#10

Phenol

Concen: 4.149 ng

RT: 6.49 min Scan# 748

Delta R.T. -0.01 min

Lab File: BF116811.D

Acq: 4 Sep 2019 13:17

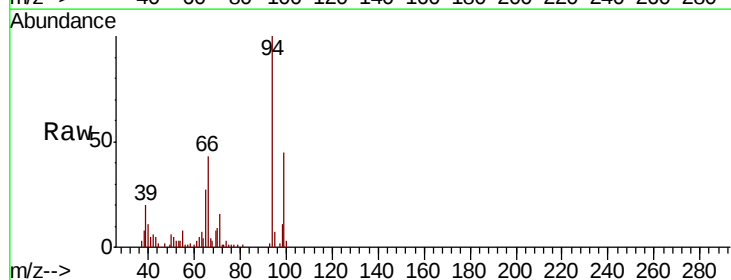
Tgt Ion: 94 Resp: 24948

Ion Ratio Lower Upper

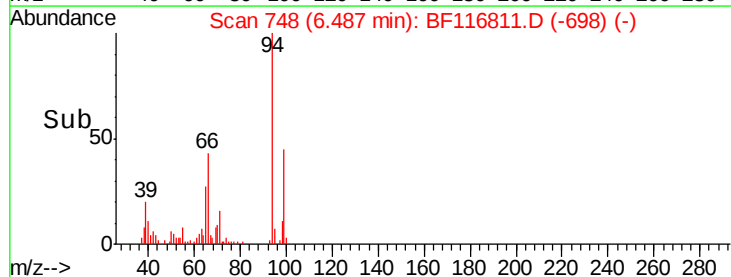
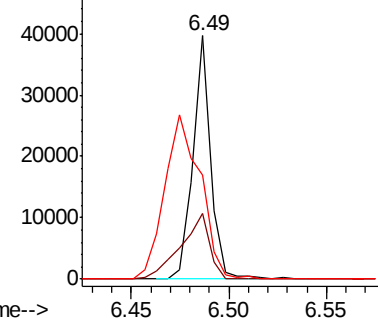
94 100

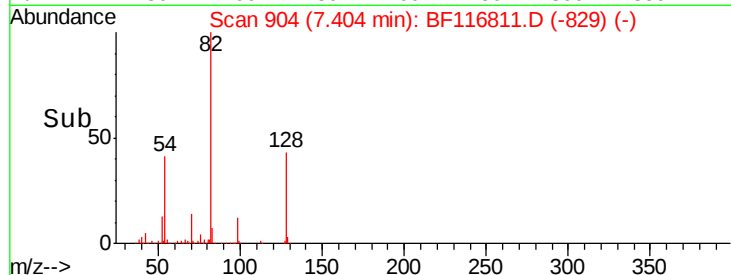
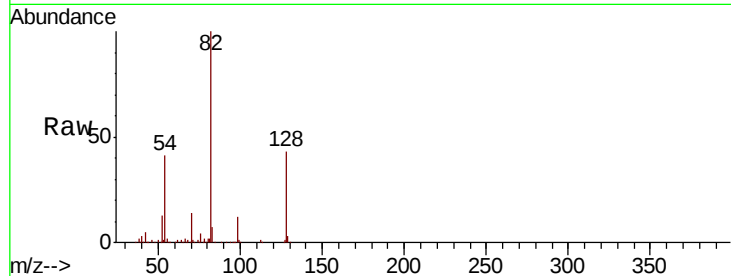
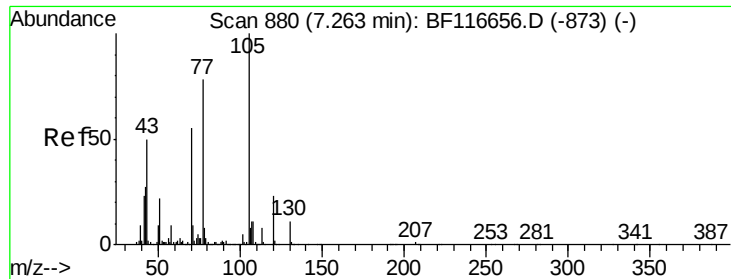
65 27.2 10.8 50.8

66 42.6 21.1 61.1



Abundance Ion 94.00 (93.70 to 94.70): BF1
Ion 65.00 (64.70 to 65.70): BF1
Ion 66.00 (65.70 to 66.70): BF1

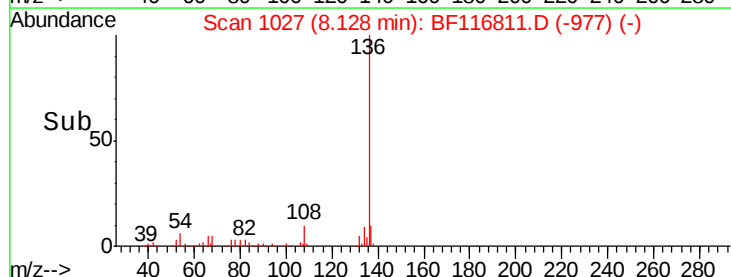
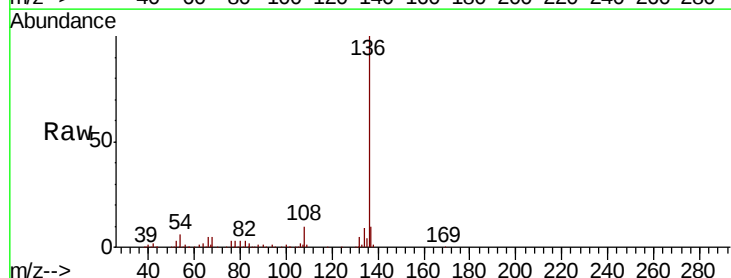
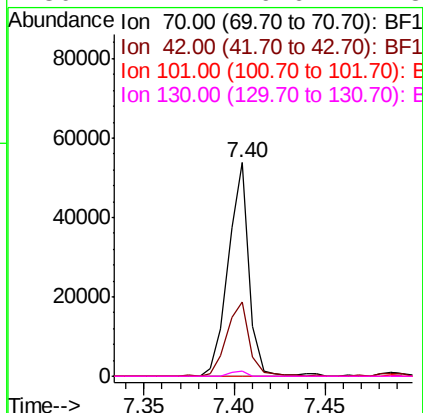




#19
n-Nitroso-di-n-propylamine
Concen: 12.024 ng
RT: 7.40 min Scan# 904
Delta R.T. 0.14 min
Lab File: BF116811.D
Acq: 4 Sep 2019 13:17

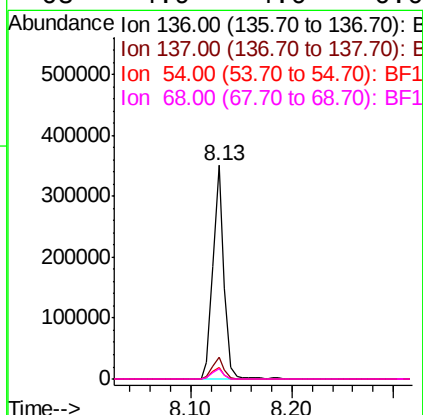
Instrument :
BNA_F
ClientSampleId :

Tot Ion:	70	Resp:	42988
Ion	Ratio	Lower	Upper
70	100		
42	34.8	43.5	65.3#
101	0.0	7.8	11.6#
130	2.2	16.6	24.8#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.13 min Scan# 1027
Delta R.T. -0.01 min
Lab File: BF116811.D
Acq: 4 Sep 2019 13:17

Tgt Ion:	136	Resp:	265497
Ion	Ratio	Lower	Upper
136	100		
137	10.1	8.9	13.3
54	5.6	4.8	7.2
68	4.9	4.0	6.0

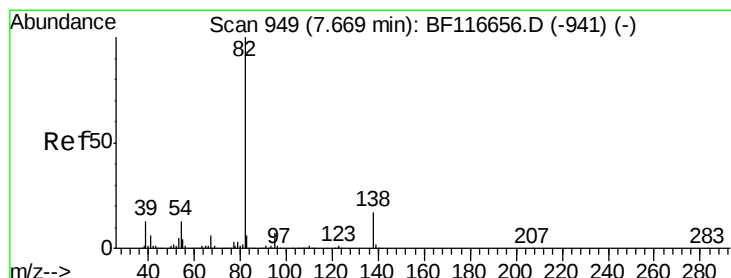
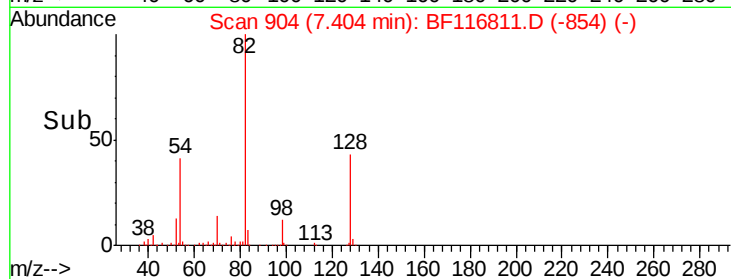
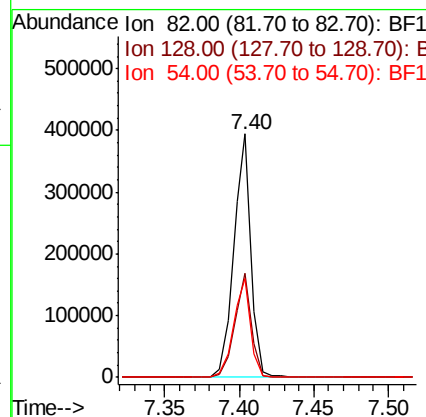
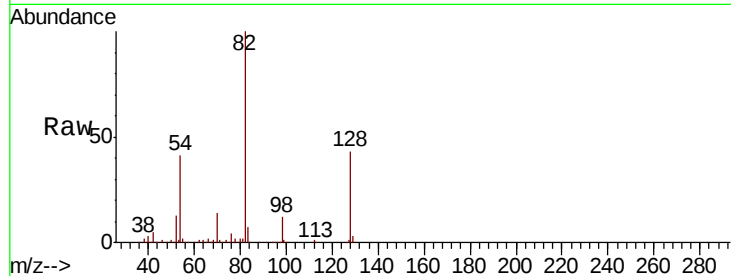




#23
 Nitrobenzene-d5
 Concen: 69.178 ng
 RT: 7.40 min Scan# 904
 Delta R.T. -0.01 min
 Lab File: BF116811.D
 Acq: 4 Sep 2019 13:17

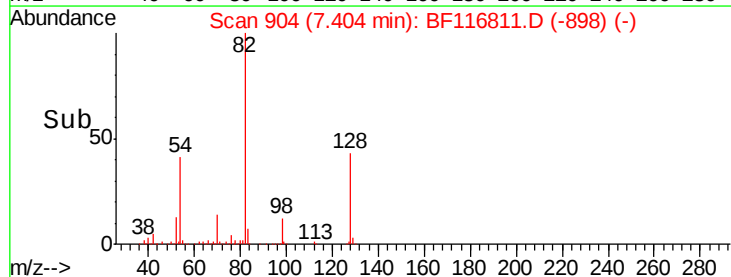
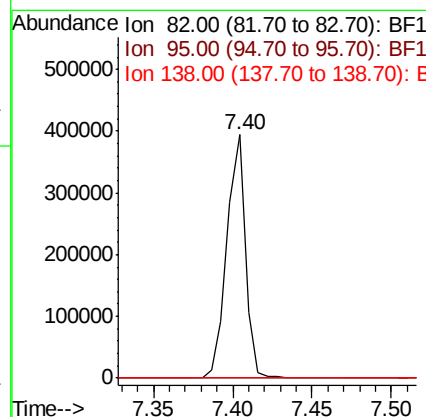
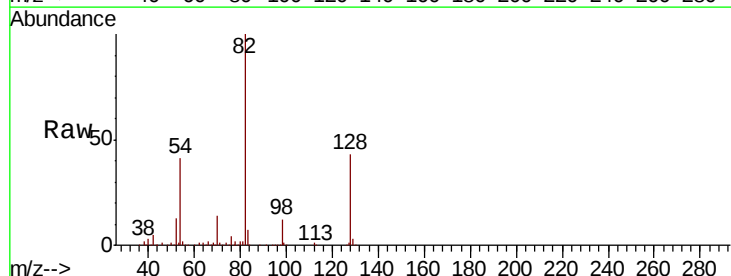
Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	82	Resp	321728
Ion Ratio	Lower	Upper	
82	100		
128	43.0	32.8	49.2
54	40.9	36.9	55.3



#25
 Isophorone
 Concen: 34.139 ng
 RT: 7.40 min Scan# 904
 Delta R.T. -0.26 min
 Lab File: BF116811.D
 Acq: 4 Sep 2019 13:17

Tgt Ion	82	Resp	321721
Ion Ratio	Lower	Upper	
82	100		
95	0.1	5.8	8.6#
138	0.0	13.5	20.3#

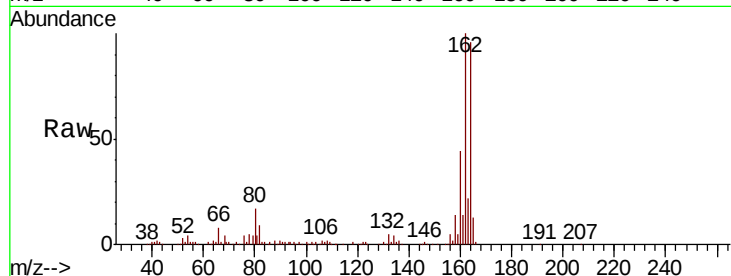




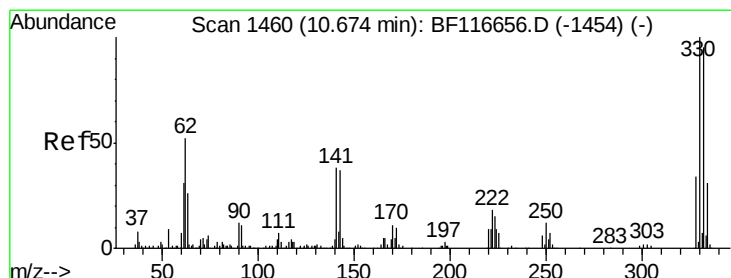
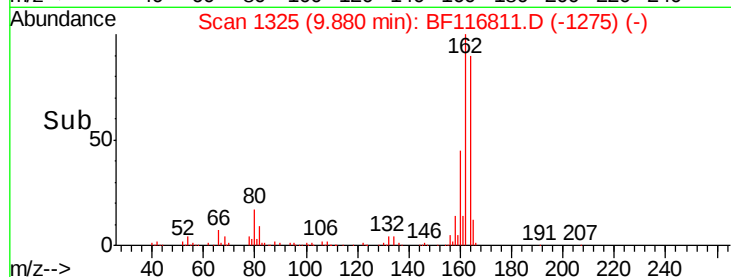
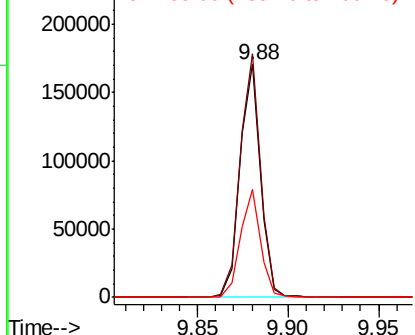
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.88 min Scan# 1325
Delta R.T. -0.01 min
Lab File: BF116811.D
Acq: 4 Sep 2019 13:17

Instrument :
BNA_F
ClientSampleId :

Tot Ion:164 Resp: 134459
Ion Ratio Lower Upper
164 100
162 104.4 81.4 122.0
160 46.3 35.4 53.2

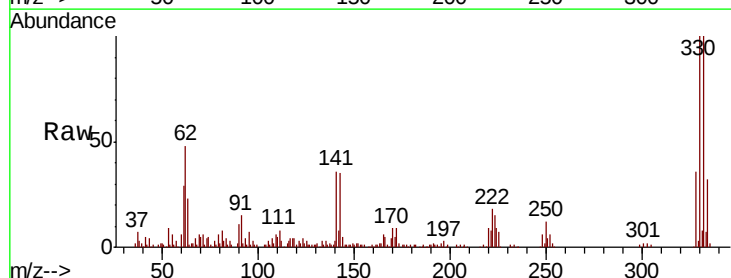


Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E

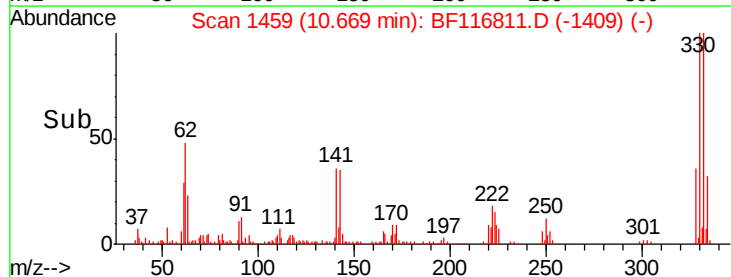
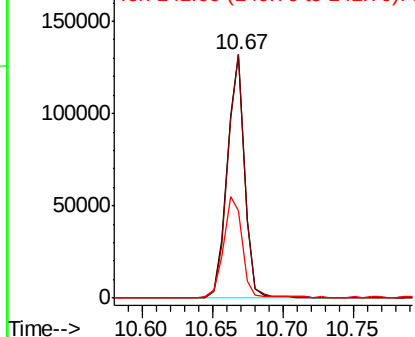


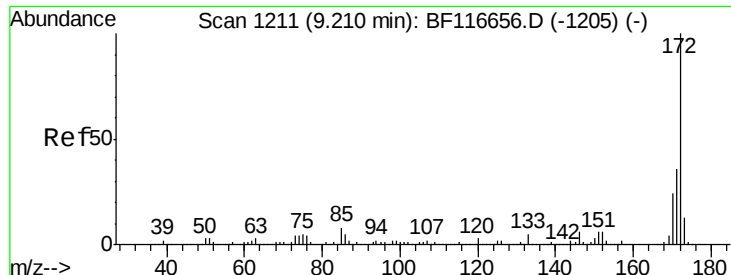
#42
2,4,6-Tribromophenol
Concen: 125.992 ng
RT: 10.67 min Scan# 1459
Delta R.T. -0.01 min
Lab File: BF116811.D
Acq: 4 Sep 2019 13:17

Tgt Ion:330 Resp: 113253
Ion Ratio Lower Upper
330 100
332 98.1 76.9 115.3
141 43.9 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

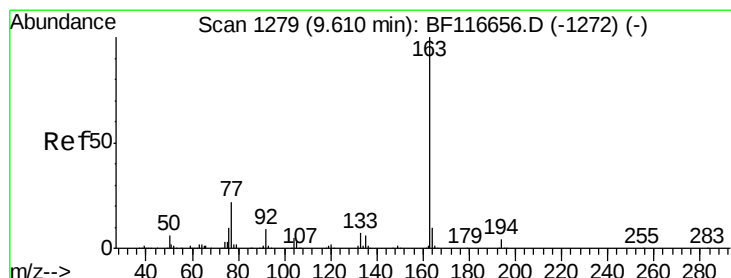
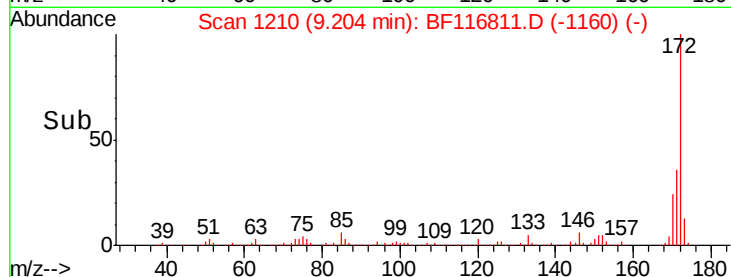
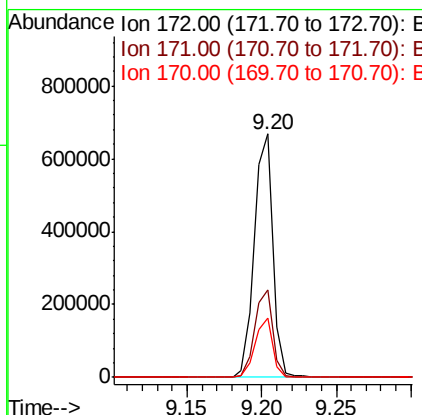
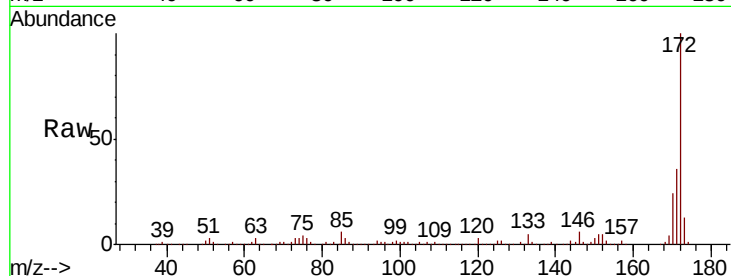




#45
2-Fluorobiphenyl
Concen: 71.408 ng
RT: 9.20 min Scan# 1210
Delta R.T. -0.00 min
Lab File: BF116811.D
Acq: 4 Sep 2019 13:17

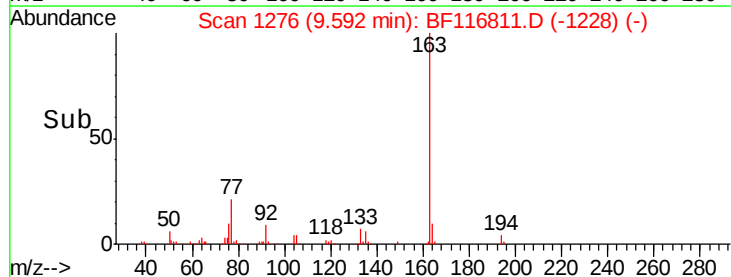
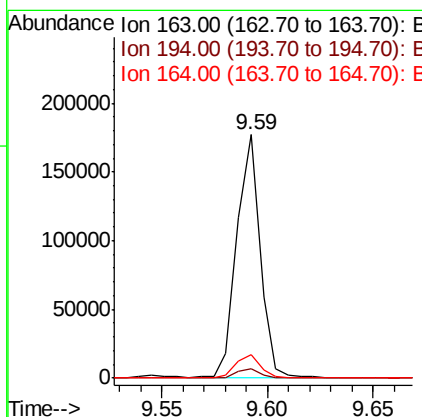
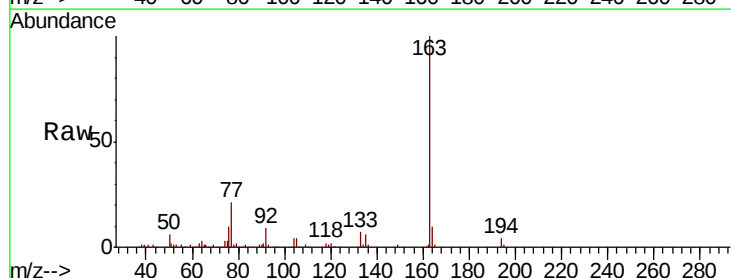
Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
172	100		
171	35.8	27.8	41.6
170	24.2	18.9	28.3



#50
Dimethylphthalate
Concen: 14.413 ng
RT: 9.59 min Scan# 1276
Delta R.T. -0.02 min
Lab File: BF116811.D
Acq: 4 Sep 2019 13:17

Tgt Ion	Ratio	Lower	Upper
163	100		
194	3.6	2.8	4.2
164	9.8	8.6	12.8





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.36 min Scan# 1577

Delta R.T. -0.01 min

Lab File: BF116811.D

Acq: 4 Sep 2019 13:17

Instrument :

BNA_F

ClientSampleId :

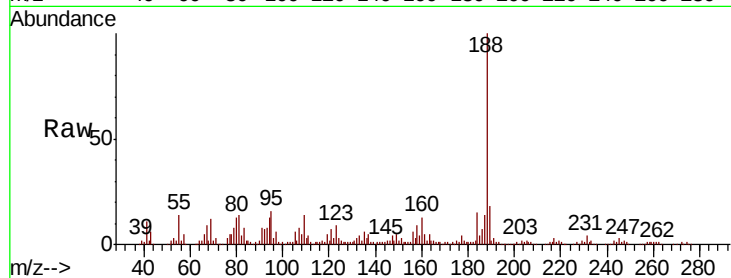
Tot Ion:188 Resp: 211233

Ion Ratio Lower Upper

188 100

94 13.3 7.3 10.9#

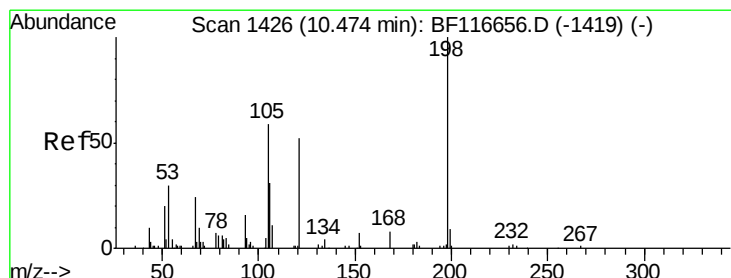
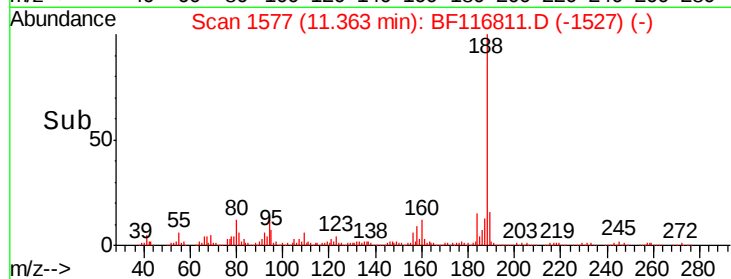
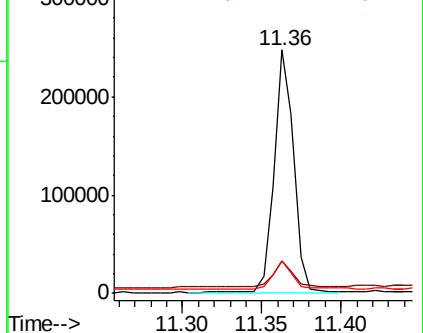
80 13.4 8.4 12.6#



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



#65

4,6-Dinitro-2-methylphenol

Concen: 7.706 ng

RT: 10.66 min Scan# 1458

Delta R.T. 0.19 min

Lab File: BF116811.D

Acq: 4 Sep 2019 13:17

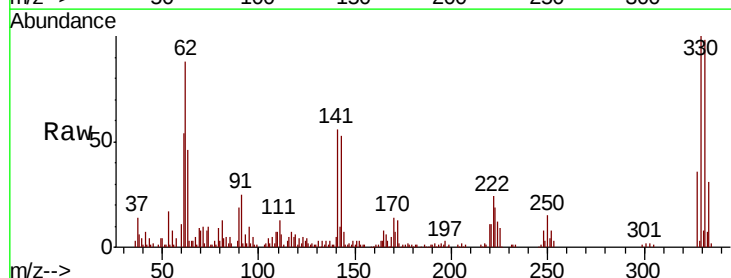
Tgt Ion:198 Resp: 235

Ion Ratio Lower Upper

198 100

51 280.2 18.4 58.4#

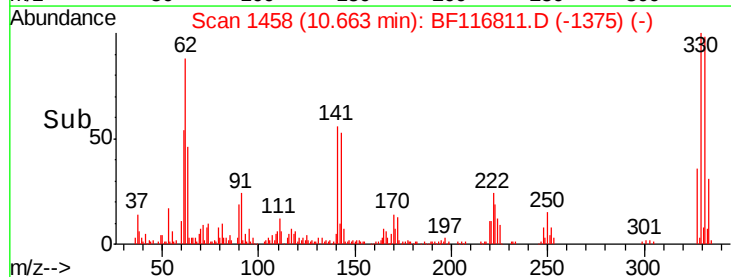
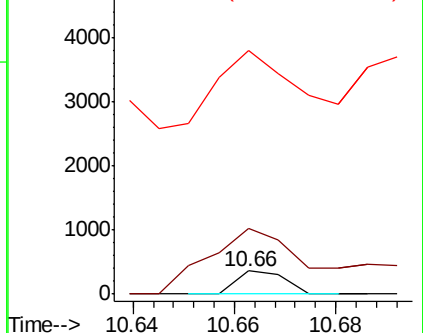
105 1043.1 22.9 62.9#

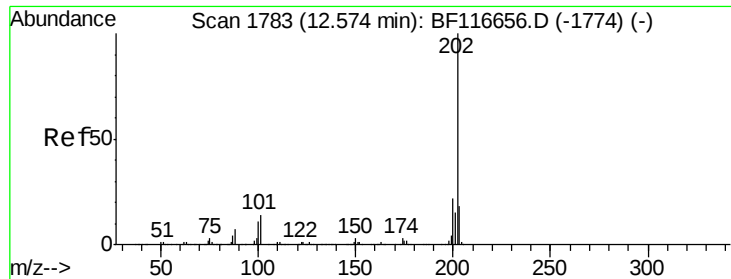


Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BF1

Ion 105.00 (104.70 to 105.70): E





#75

Fluoranthene

Concen: 3.840 ng

RT: 12.59 min Scan# 1785

Delta R.T. 0.01 min

Lab File: BF116811.D

Acq: 4 Sep 2019 13:17

Instrument :

BNA_F

ClientSampleId :

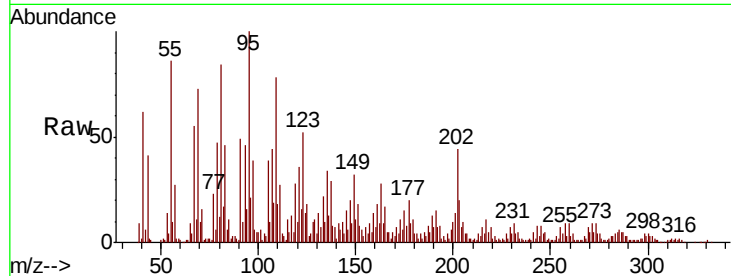
Tot Ion:202 Resp: 44372

Ion Ratio Lower Upper

202 100

101 13.6 0.0 31.3

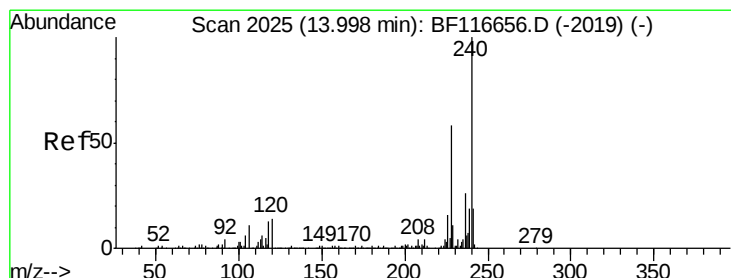
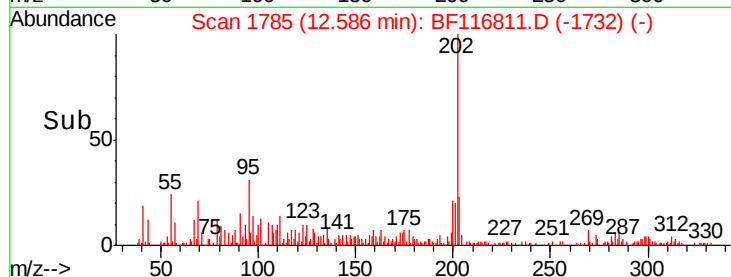
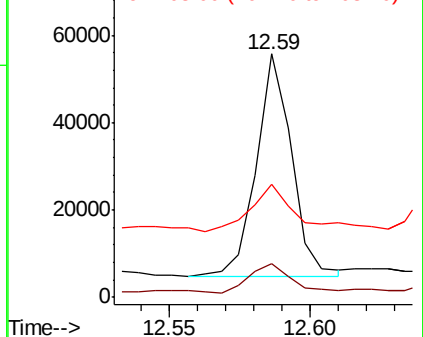
203 46.4 0.0 37.6#



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: 14.02 min Scan# 2028

Delta R.T. 0.02 min

Lab File: BF116811.D

Acq: 4 Sep 2019 13:17

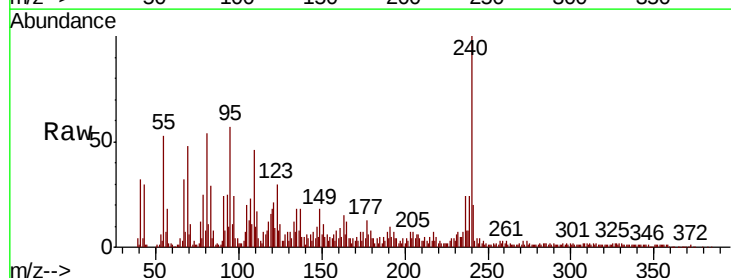
Tgt Ion:240 Resp: 137198

Ion Ratio Lower Upper

240 100

120 17.9 9.1 13.7#

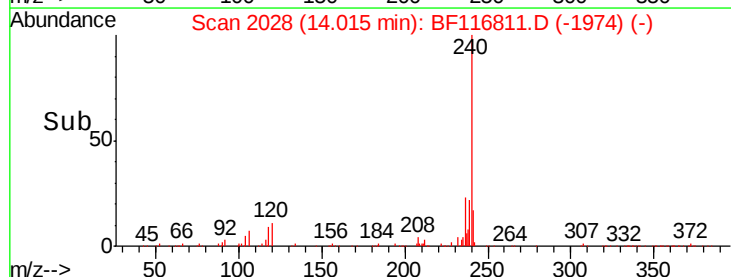
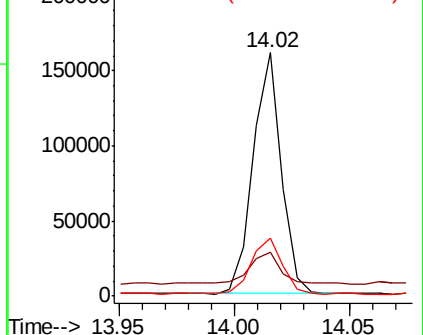
236 24.0 21.1 31.7

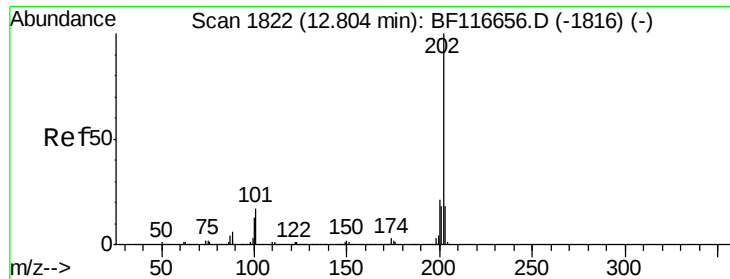


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E

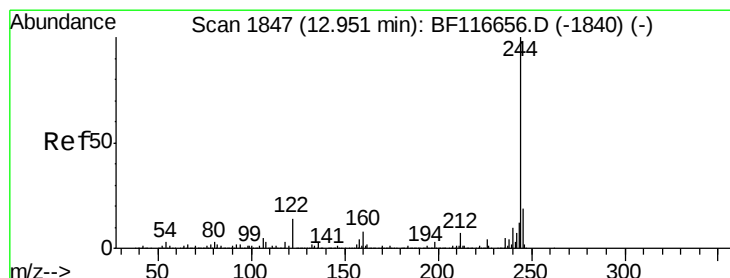
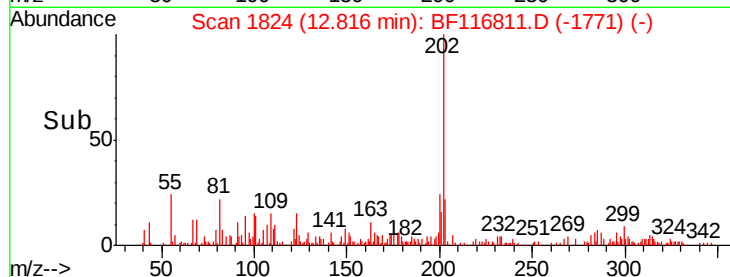
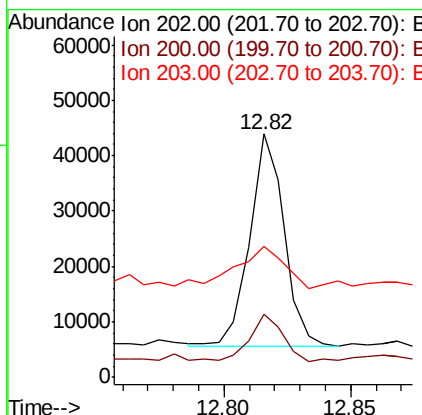
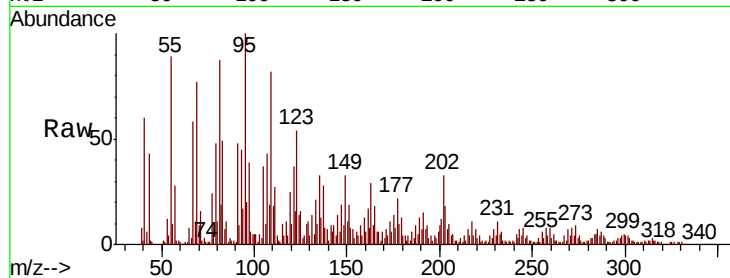




#78
Pvrene
Concen: 2.945 ng
RT: 12.82 min Scan# 1824
Delta R.T. 0.01 min
Lab File: BF116811.D
Acq: 4 Sep 2019 13:17

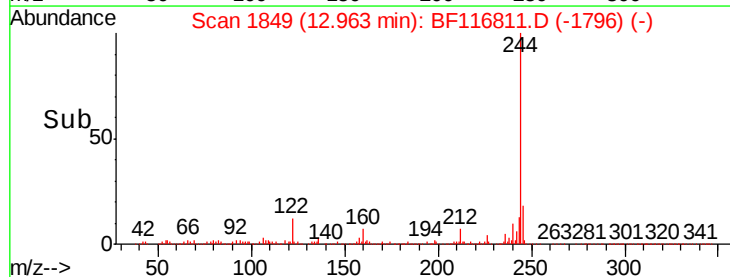
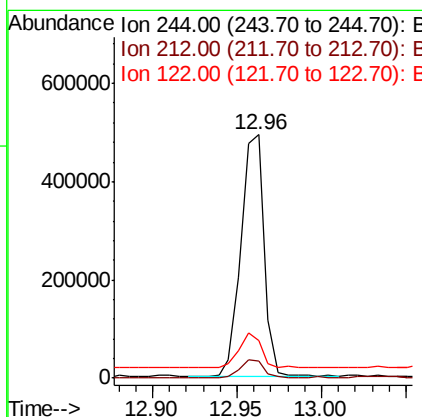
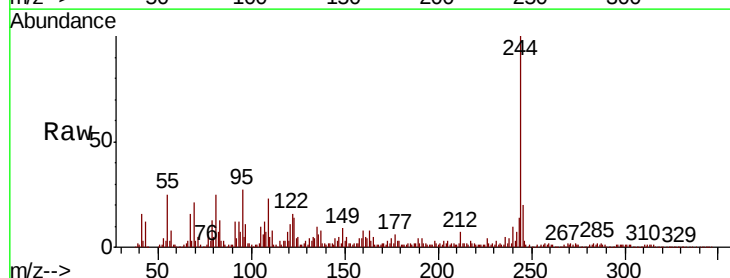
Instrument :
BNA_F
ClientSampled :

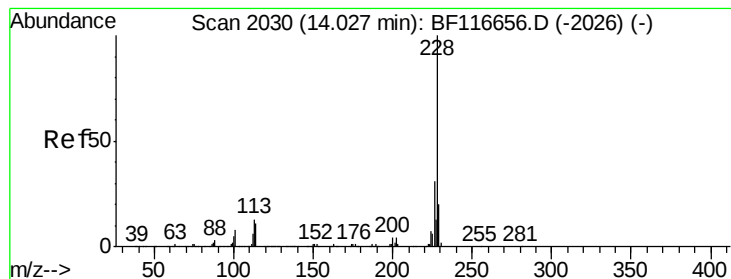
Tot Ion	Ratio	Lower	Upper
202	100		
200	26.0	16.5	24.7#
203	53.7	13.7	20.5#



#79
Terphenyl-d14
Concen: 63.118 ng
RT: 12.96 min Scan# 1849
Delta R.T. 0.01 min
Lab File: BF116811.D
Acq: 4 Sep 2019 13:17

Tgt Ion	Ratio	Lower	Upper
244	100		
212	6.9	6.1	9.1
122	15.5	10.2	15.4#





#83

Chrysene

Concen: 2.631 ng

RT: 14.04 min Scan# 2032

Delta R.T. 0.01 min

Lab File: BF116811.D

Acq: 4 Sep 2019 13:17

Instrument :

BNA_F

ClientSampleId :

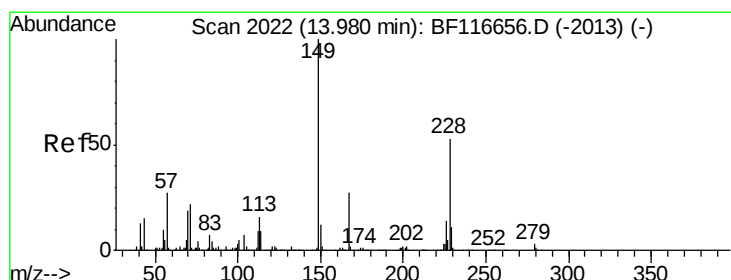
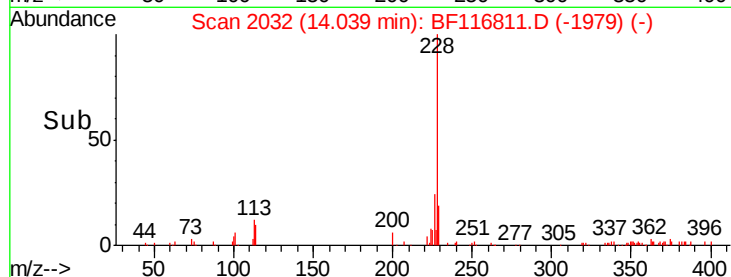
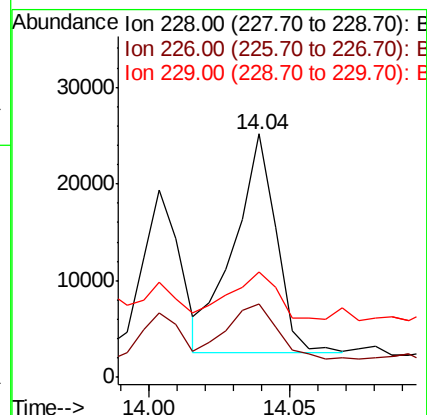
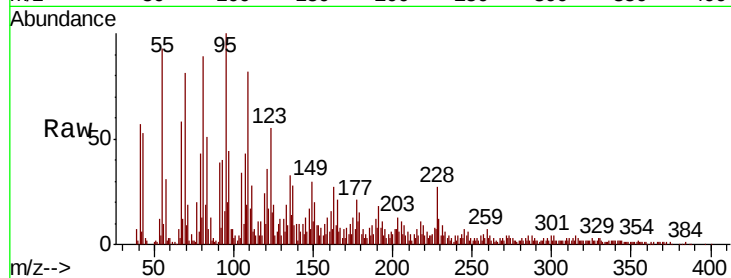
Tot Ion:228 Resp: 23538

Ion Ratio Lower Upper

228 100

226 30.4 24.0 36.0

229 43.5 15.4 23.0#



#84

Bis(2-ethylhexyl)phthalate

Concen: 7.636 ng

RT: 13.99 min Scan# 2024

Delta R.T. 0.01 min

Lab File: BF116811.D

Acq: 4 Sep 2019 13:17

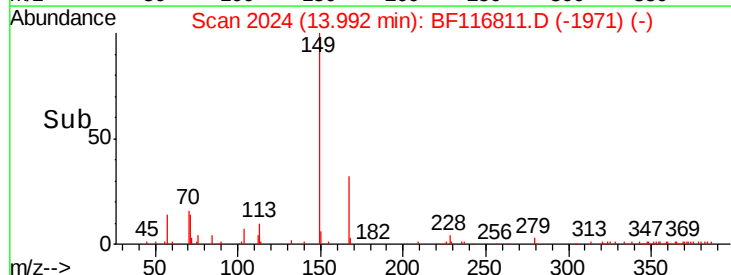
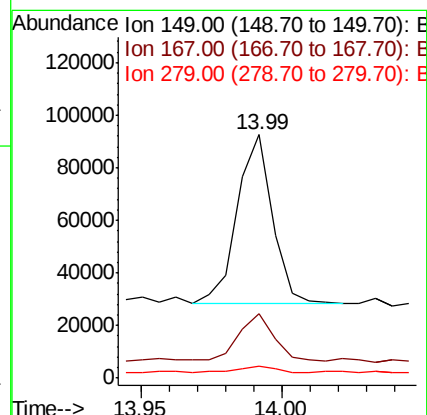
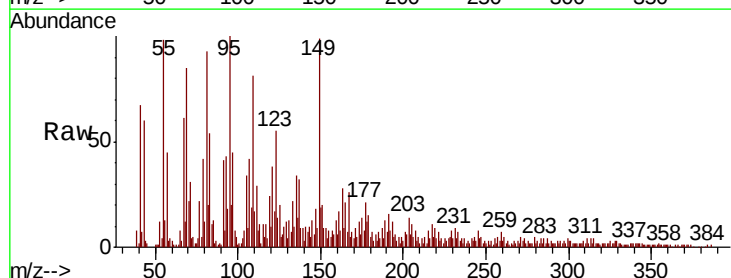
Tgt Ion:149 Resp: 55903

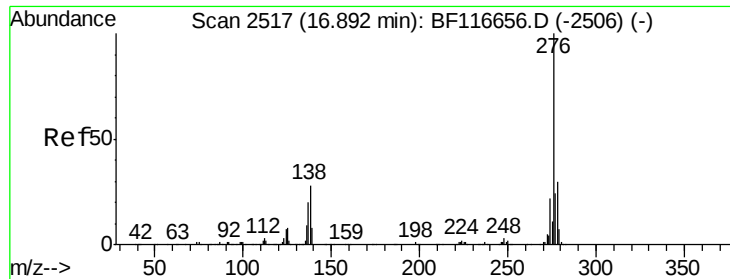
Ion Ratio Lower Upper

149 100

167 26.7 21.0 31.4

279 4.9 2.8 4.2#

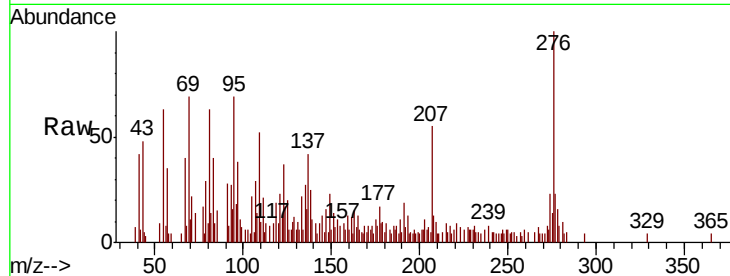




#86
 Indeno(1,2,3-cd)pyrene
 Concen: 2.408 ng
 RT: 16.90 min Scan# 2518
 Delta R.T. 0.01 min
 Lab File: BF116811.D
 Acq: 4 Sep 2019 13:17

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
276	100		
138	22.8	19.4	29.2
277	30.8	20.5	30.7#

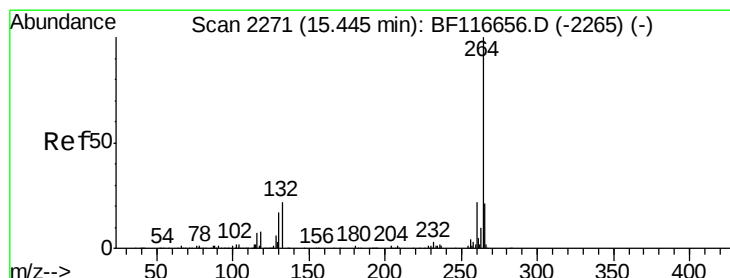
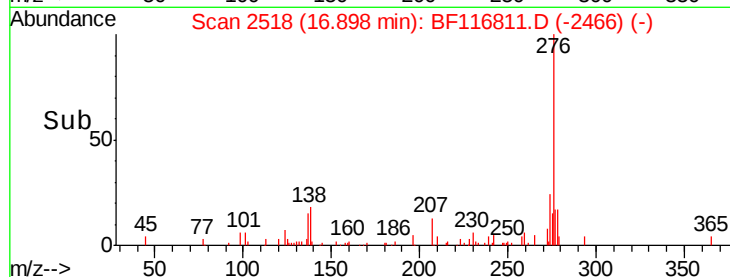
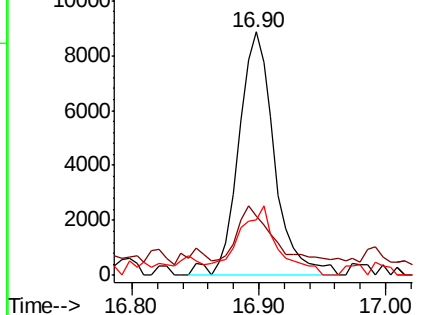


Abundance

Ion 276.00 (275.70 to 276.70): E

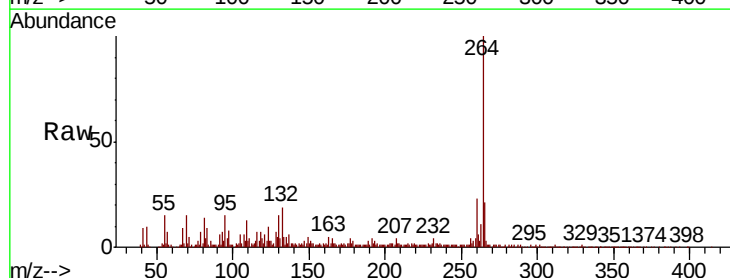
Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E



#87
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.46 min Scan# 2274
 Delta R.T. 0.02 min
 Lab File: BF116811.D
 Acq: 4 Sep 2019 13:17

Tgt Ion	Ratio	Lower	Upper
264	100		
260	22.9	18.3	27.5
265	21.2	16.5	24.7

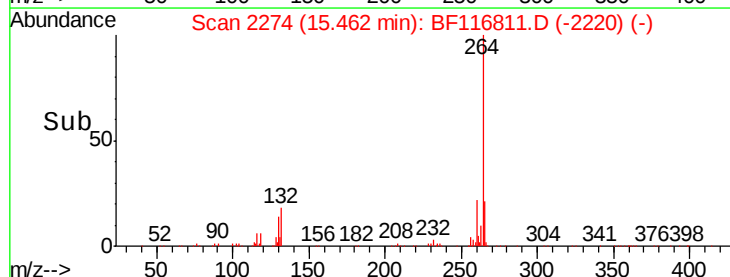
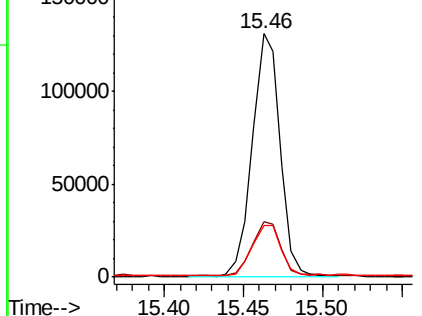


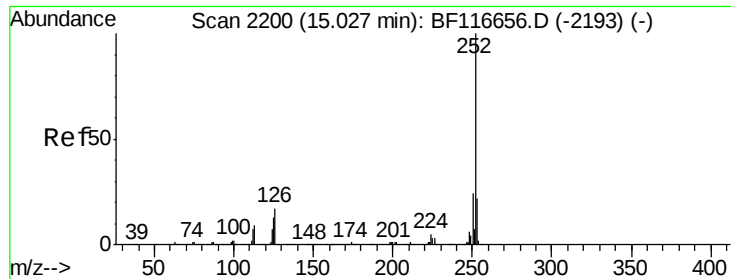
Abundance

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

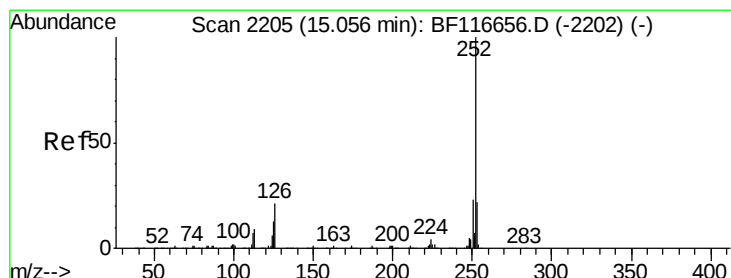
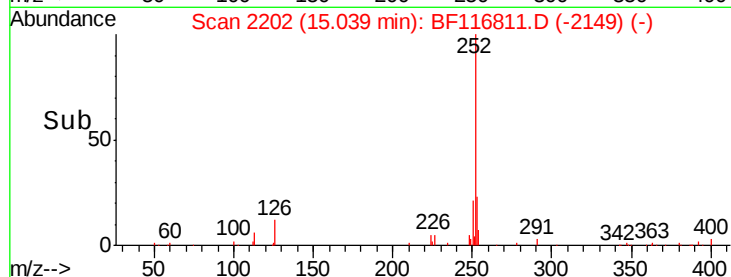
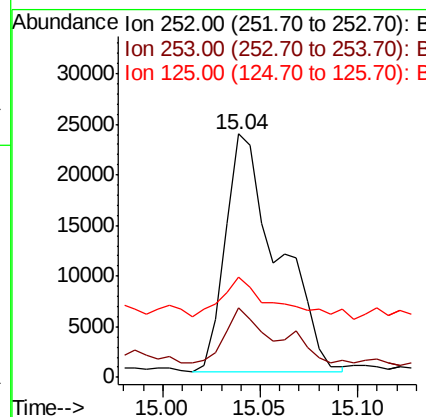
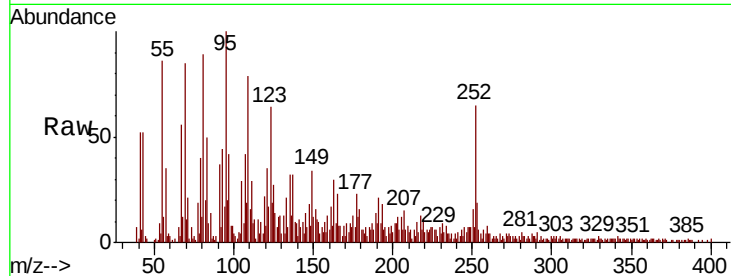




#88
Benzo(b)fluoranthene
Concen: 4.497 ng
RT: 15.04 min Scan# 2202
Delta R.T. 0.01 min
Lab File: BF116811.D
Acq: 4 Sep 2019 13:17

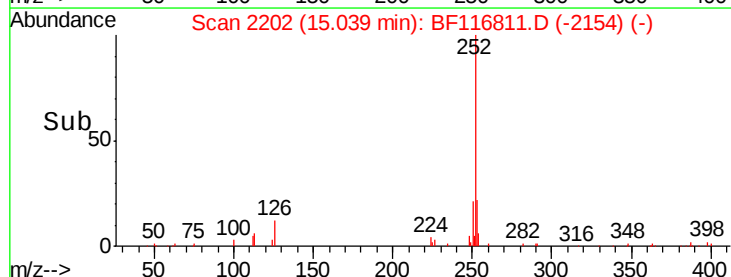
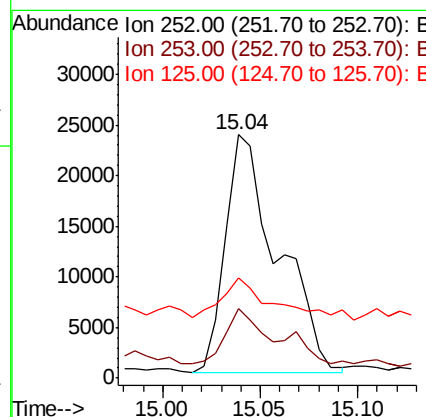
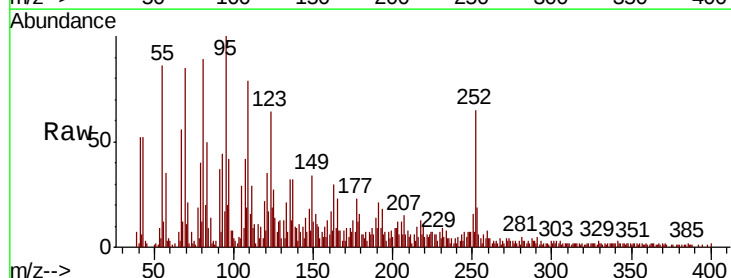
Instrument :
BNA_F
ClientSampleId :

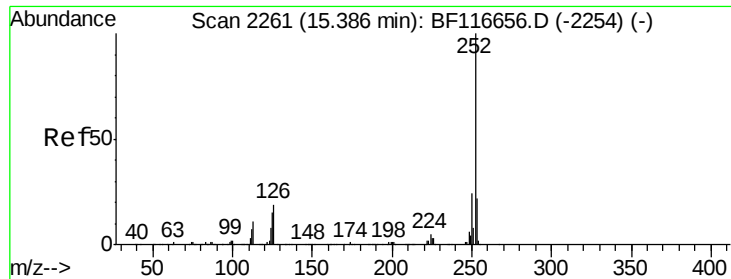
Tot Ion:252 Resp: 43839
Ion Ratio Lower Upper
252 100
253 28.6 17.7 26.5#
125 41.1 8.2 12.2#



#89
Benzo(k)fluoranthene
Concen: 4.932 ng
RT: 15.04 min Scan# 2202
Delta R.T. -0.02 min
Lab File: BF116811.D
Acq: 4 Sep 2019 13:17

Tgt Ion:252 Resp: 43839
Ion Ratio Lower Upper
252 100
253 28.6 17.7 26.5#
125 41.1 8.6 13.0#





#90

Benzo(a)pyrene

Concen: 2.060 ng

RT: 15.40 min Scan# 2263

Delta R.T. 0.01 min

Lab File: BF116811.D

Acq: 4 Sep 2019 13:17

Instrument :

BNA_F

ClientSampleId :

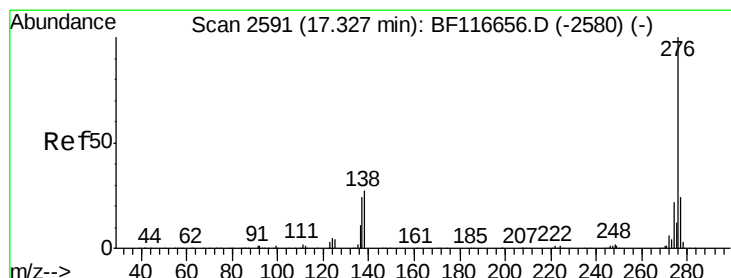
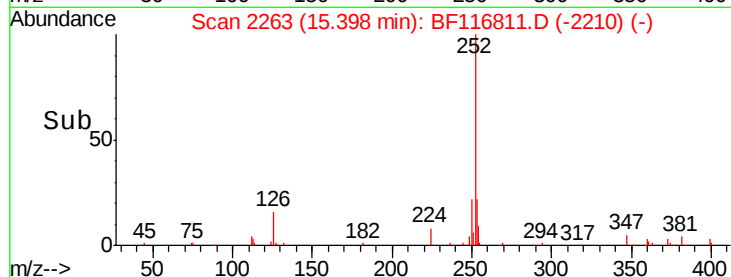
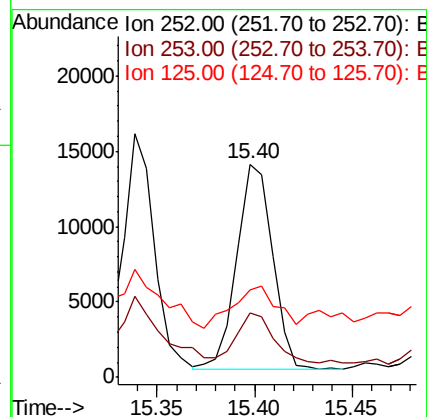
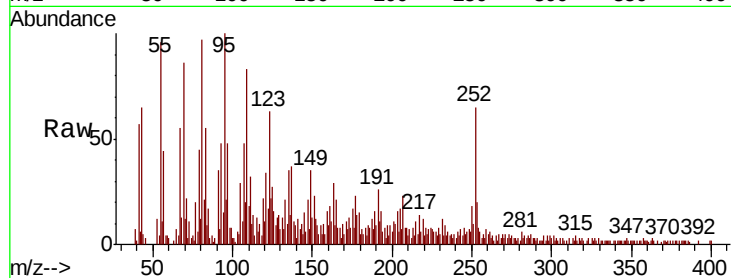
Tot Ion:252 Resp: 17469

Ion Ratio Lower Upper

252 100

253 30.5 18.1 27.1#

125 40.9 9.8 14.8#



#92

Benzo(g,h,i)perylene

Concen: 2.098 ng

RT: 17.33 min Scan# 2592

Delta R.T. 0.01 min

Lab File: BF116811.D

Acq: 4 Sep 2019 13:17

Tgt Ion:276 Resp: 15884

Ion Ratio Lower Upper

276 100

277 39.9 18.5 27.7#

138 30.6 16.2 24.2#

