

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF083019\
 Data File : BF116676.D
 Acq On : 31 Aug 2019 3:19
 Operator : HP/JU
 Sample : K4528-19
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Aug 31 04:59:32 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	108953	20.00	ng	0.00
21) Naphthalene-d8	8.13	136	420153	20.00	ng	0.00
39) Acenaphthene-d10	9.88	164	203994	20.00	ng	0.00
64) Phenanthrene-d10	11.36	188	297893	20.00	ng	0.00
76) Chrysene-d12	14.00	240	159254	20.00	ng	0.00
87) Perylene-d12	15.46	264	227943	20.00	ng	0.01

System Monitoring Compounds						
5) 2-Fluorophenol	5.47	112	824524	122.60	ng	0.00
7) Phenol-d6	6.47	99	1133290	128.33	ng	0.00
23) Nitrobenzene-d5	7.40	82	704899	95.78	ng	0.00
42) 2,4,6-Tribromophenol	10.67	330	189812	139.18	ng	0.00
45) 2-Fluorobiphenyl	9.20	172	1088961	90.05	ng	0.00
79) Terphenyl-d14	12.95	244	777566	90.32	ng	0.00

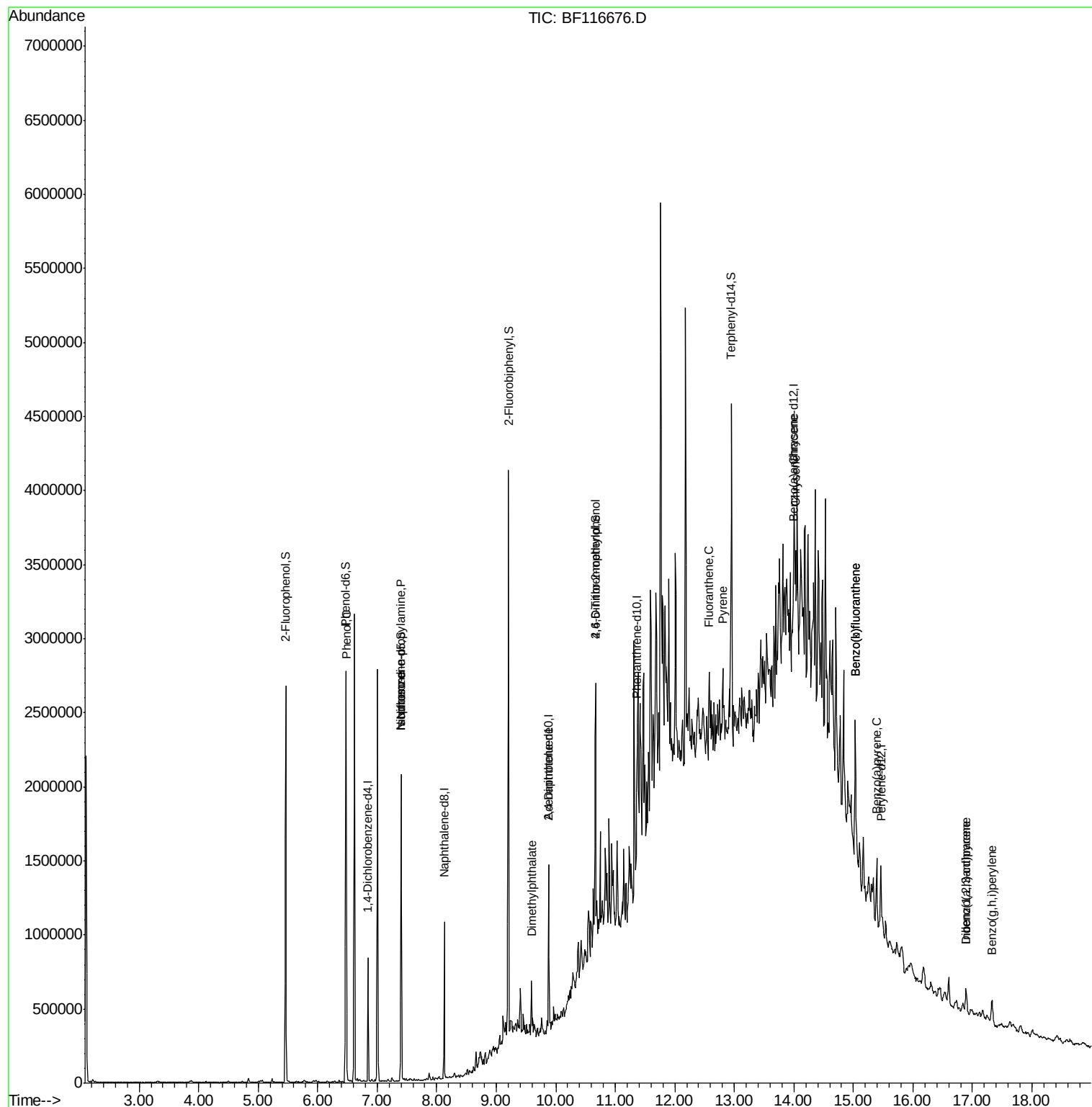
Target Compounds				Qvalue		
10) Phenol	6.49	94	50625	5.177	ng	99
19) n-Nitroso-di-n-propylamine	7.40	70	95101	16.355	ng	# 74
25) Isophorone	7.40	82	702335	47.094	ng	# 66
50) Dimethylphthalate	9.59	163	129394	9.188	ng	98
57) 2,4-Dinitrotoluene	9.88	165	26639	8.108	ng	# 21
65) 4,6-Dinitro-2-methylphenol	10.67	198	326	7.702	ng	# 1
75) Fluoranthene	12.57	202	87381	5.362	ng	# 48
78) Pyrene	12.80	202	85583	6.045	ng	# 63
81) Benzo(a)anthracene	13.99	228	70439	6.989	ng	# 94
83) Chrysene	14.03	228	77421	7.456	ng	# 92
86) Indeno(1,2,3-cd)pyrene	16.89	276	113222	13.575	ng	97
88) Benzo(b)fluoranthene	15.04	252	220016	15.965	ng	# 89
89) Benzo(k)fluoranthene	15.04	252	220016	17.510	ng	# 89
90) Benzo(a)pyrene	15.40	252	63919	5.331	ng	# 79
91) Dibenzo(a,h)anthracene	16.90	278	25875	2.466	ng	# 60
92) Benzo(g,h,i)perylene	17.33	276	126270	11.797	ng	# 92

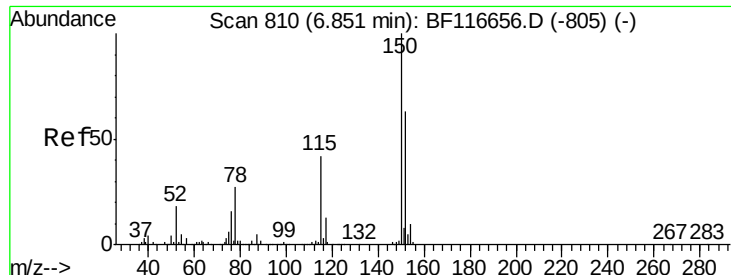
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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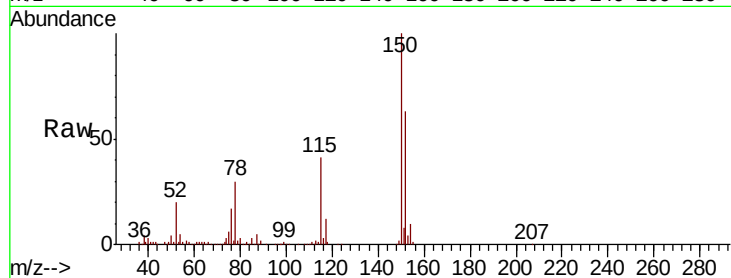


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.85 min Scan# 809
Delta R.T. -0.01 min
Lab File: BF116676.D
Acq: 31 Aug 2019 3:19

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
152	100		
150	158.5	124.4	186.6
115	65.0	49.9	74.9

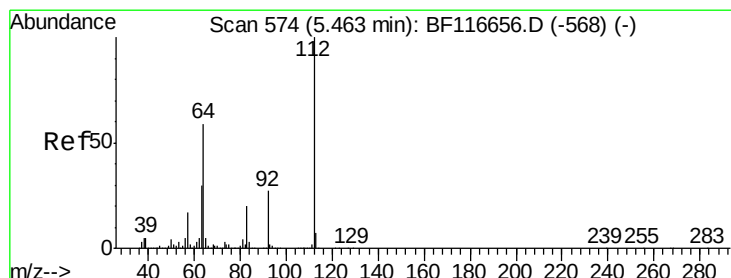
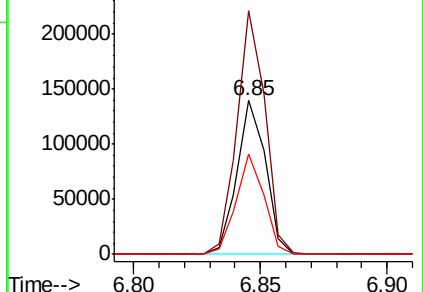
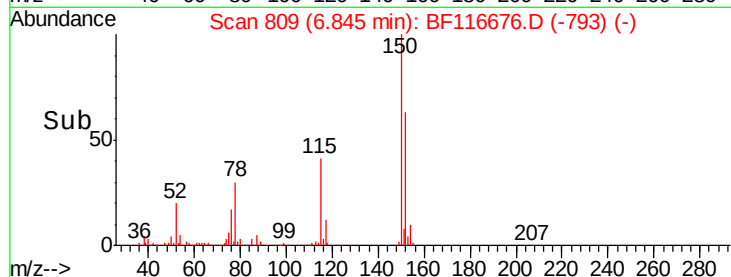


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

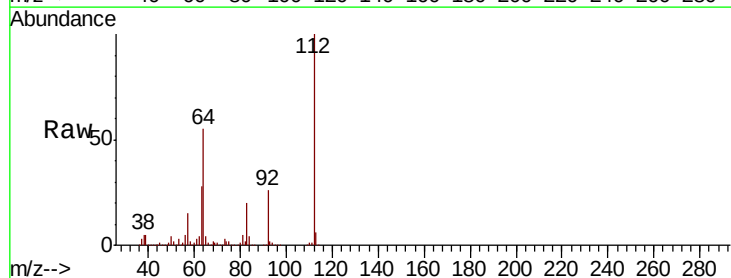
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 122.601 ng
RT: 5.47 min Scan# 575
Delta R.T. 0.01 min
Lab File: BF116676.D
Acq: 31 Aug 2019 3:19

Tgt Ion	Ratio	Lower	Upper
112	100		
64	54.8	47.1	70.7
63	28.3	24.9	37.3

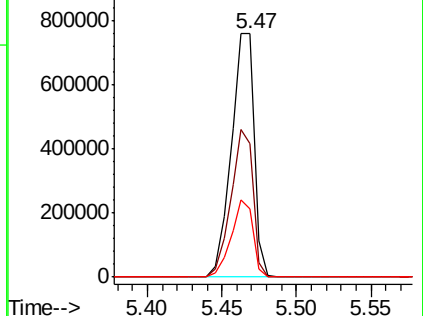
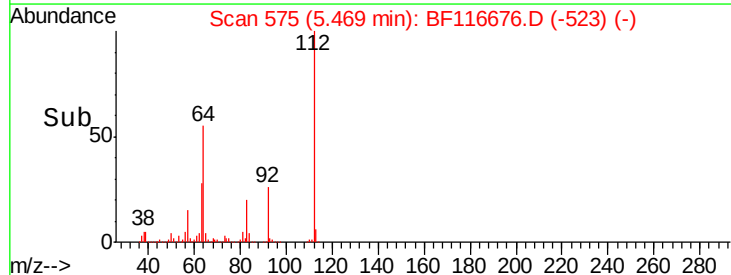


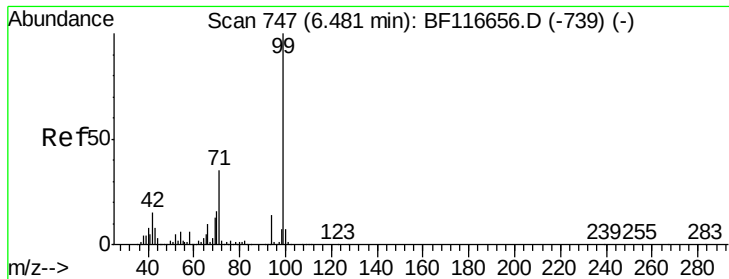
Abundance

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: 128.331 ng

RT: 6.47 min Scan# 746

Delta R.T. -0.01 min

Lab File: BF116676.D

Acq: 31 Aug 2019 3:19

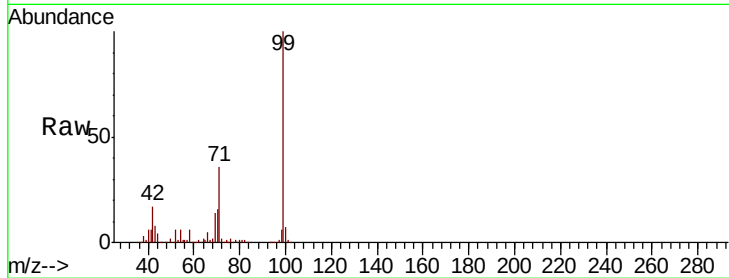
Instrument :

BNA_F

ClientSampleId :

Tot Ion: 99 Resp: 1133290

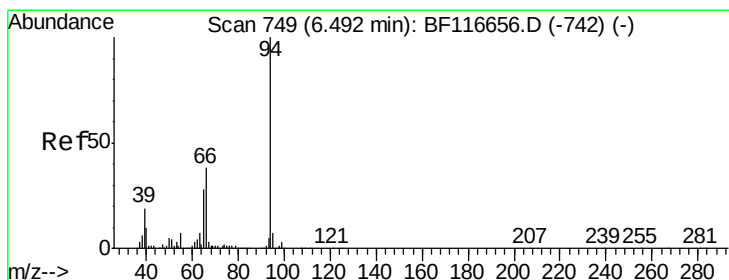
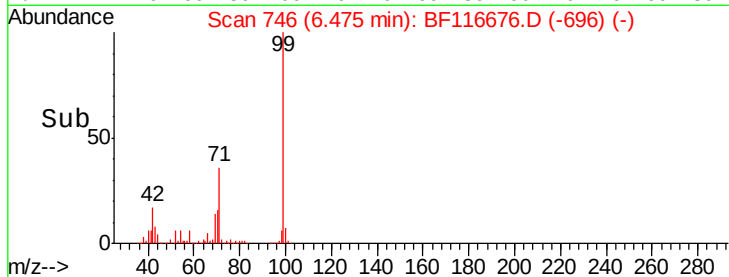
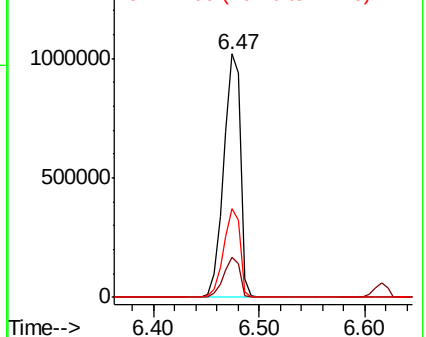
Ion	Ratio	Lower	Upper
99	100		
42	16.5	13.7	20.5
71	36.3	30.8	46.2



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: 5.177 ng

RT: 6.49 min Scan# 748

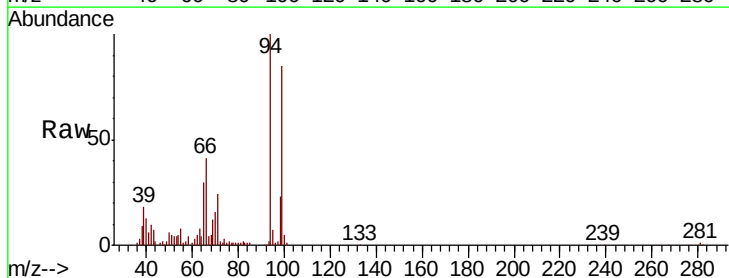
Delta R.T. -0.01 min

Lab File: BF116676.D

Acq: 31 Aug 2019 3:19

Tgt Ion: 94 Resp: 50625

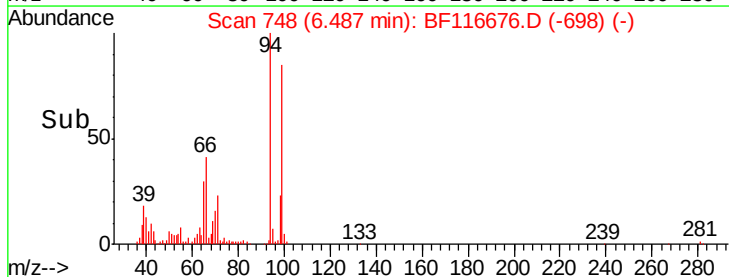
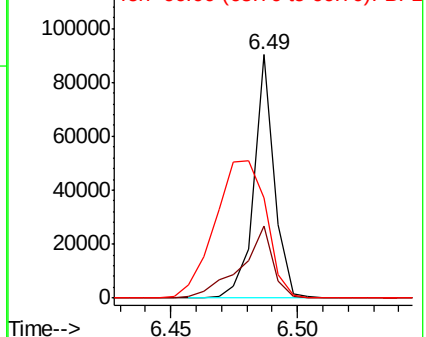
Ion	Ratio	Lower	Upper
94	100		
65	29.7	10.8	50.8
66	41.3	21.1	61.1

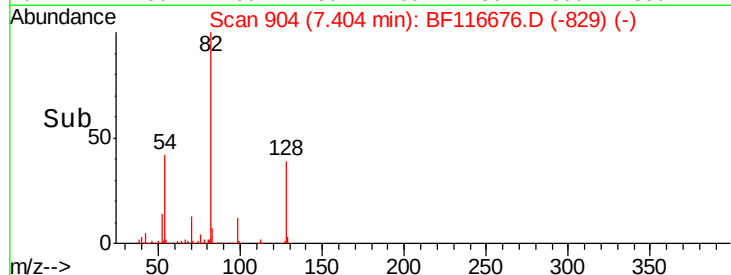
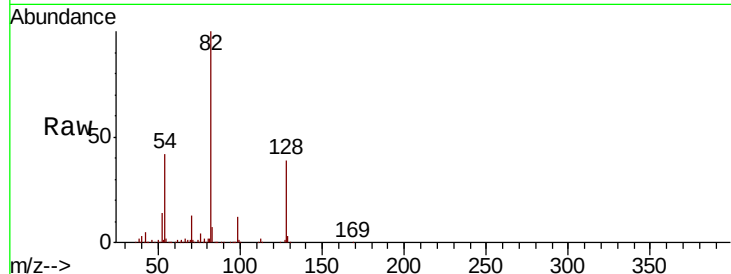
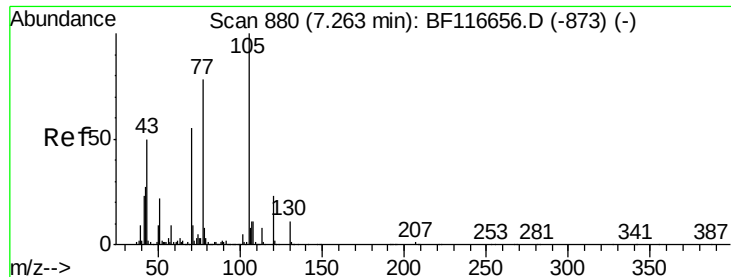


Abundance Ion 94.00 (93.70 to 94.70): BF1

Ion 65.00 (64.70 to 65.70): BF1

Ion 66.00 (65.70 to 66.70): BF1

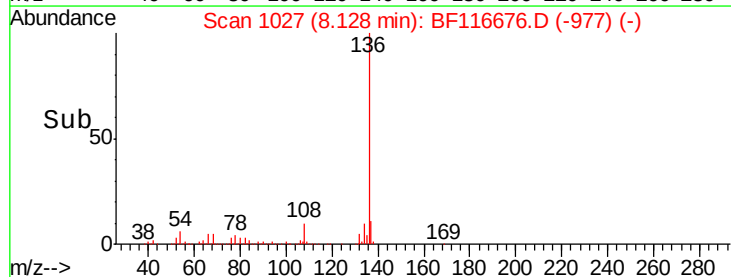
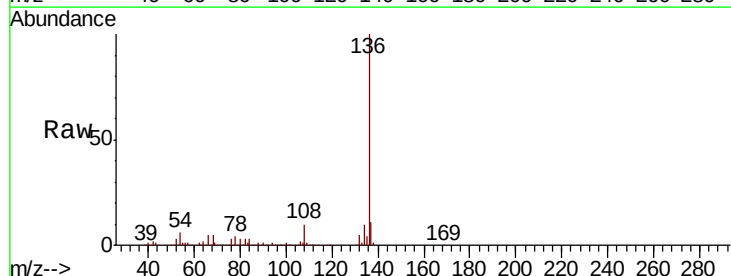
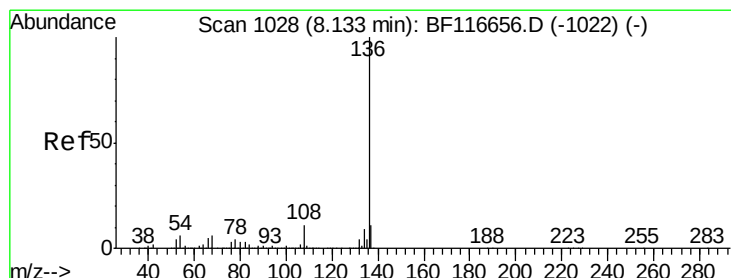
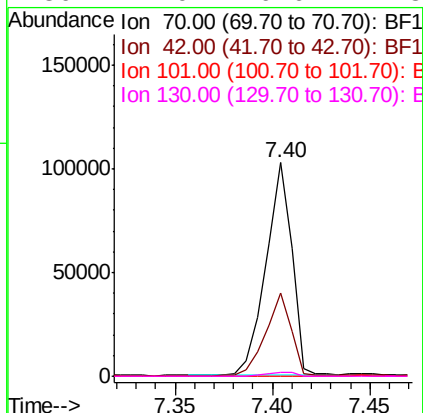




#19
n-Nitroso-di-n-propylamine
Concen: 16.355 ng
RT: 7.40 min Scan# 904
Delta R.T. 0.14 min
Lab File: BF116676.D
Acq: 31 Aug 2019 3:19

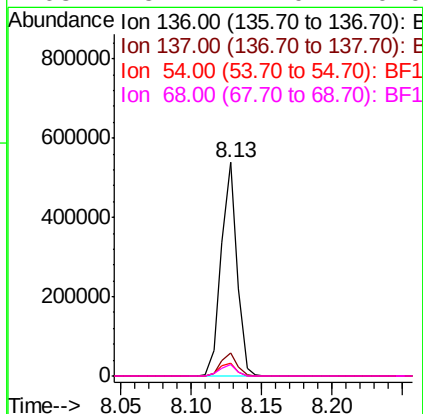
Instrument :
BNA_F
ClientSampleId :

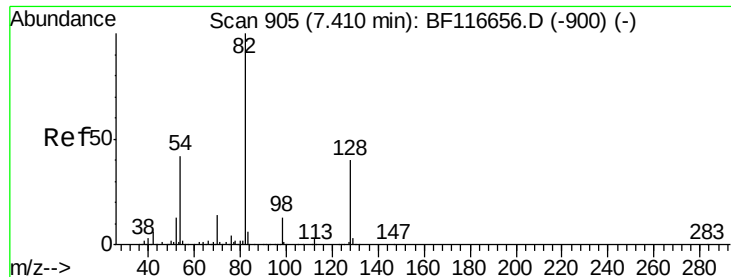
Tot Ion:	70	Resp:	95101
Ion	Ratio	Lower	Upper
70	100		
42	39.2	43.5	65.3#
101	0.0	7.8	11.6#
130	2.0	16.6	24.8#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.13 min Scan# 1027
Delta R.T. -0.01 min
Lab File: BF116676.D
Acq: 31 Aug 2019 3:19

Tgt Ion:	136	Resp:	420153
Ion	Ratio	Lower	Upper
136	100		
137	11.1	8.9	13.3
54	5.9	4.8	7.2
68	5.2	4.0	6.0

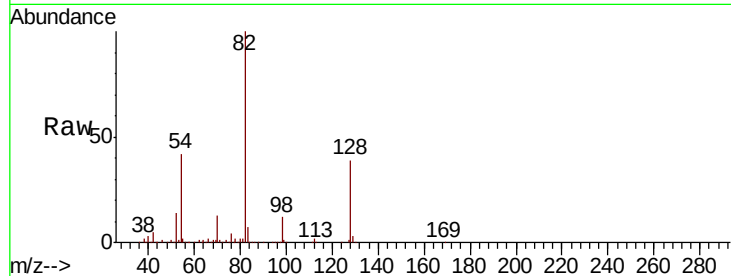




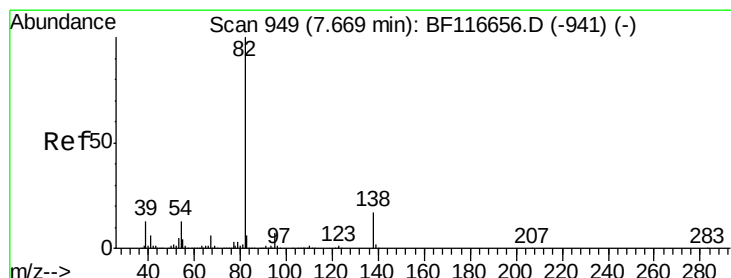
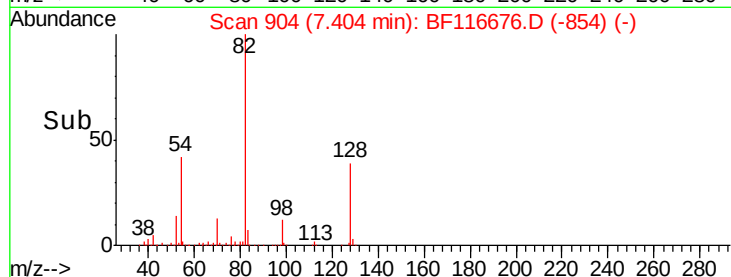
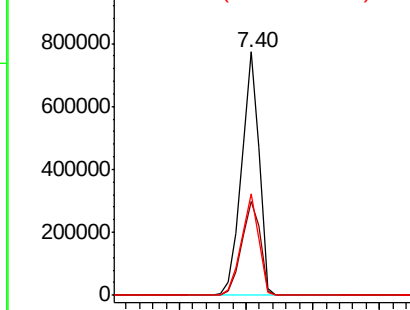
#23
Nitrobenzene-d5
Concen: 95.777 ng
RT: 7.40 min Scan# 904
Delta R.T. -0.01 min
Lab File: BF116676.D
Acq: 31 Aug 2019 3:19

Instrument :
BNA_F
ClientSampleId :

Tot Ion	82	Resp	704899
Ion Ratio	Lower	Upper	
82	100		
128	38.8	32.8	49.2
54	41.8	36.9	55.3

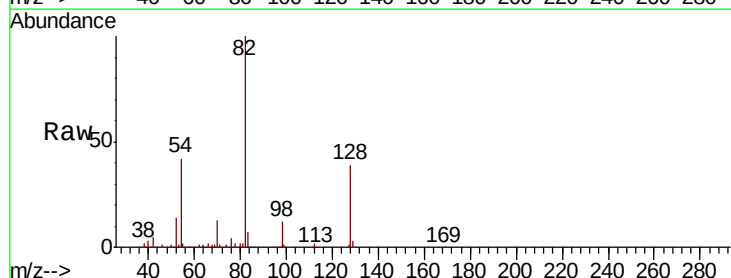


Abundance Ion 82.00 (81.70 to 82.70): BF1
Ion 128.00 (127.70 to 128.70): BF1
Ion 54.00 (53.70 to 54.70): BF1

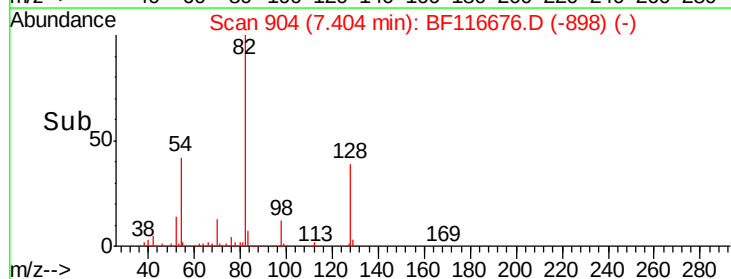
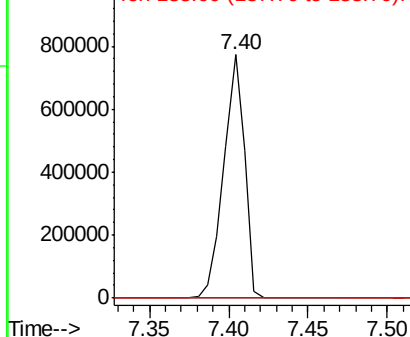


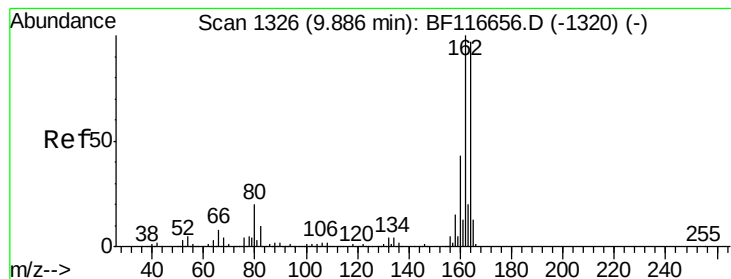
#25
Isophorone
Concen: 47.094 ng
RT: 7.40 min Scan# 904
Delta R.T. -0.26 min
Lab File: BF116676.D
Acq: 31 Aug 2019 3:19

Tgt Ion	82	Resp	702335
Ion Ratio	Lower	Upper	
82	100		
95	0.1	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: 9.88 min Scan# 1325

Delta R.T. -0.01 min

Lab File: BF116676.D

Acq: 31 Aug 2019 3:19

Instrument :

BNA_F

ClientSampleId :

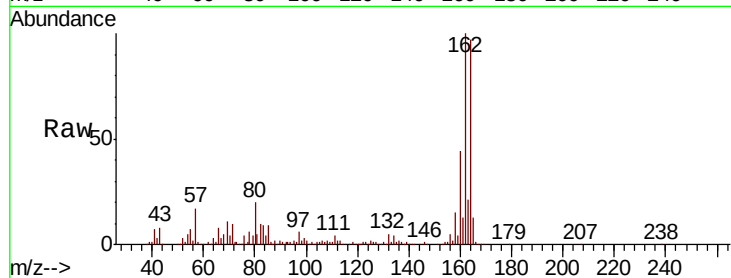
Tot Ion:164 Resp: 203994

Ion Ratio Lower Upper

164 100

162 103.1 81.4 122.0

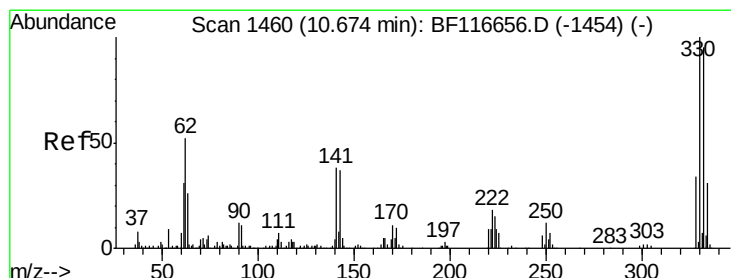
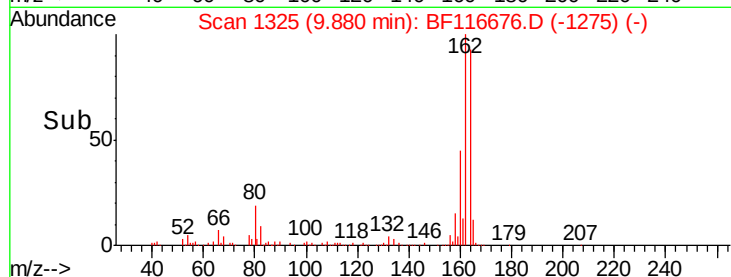
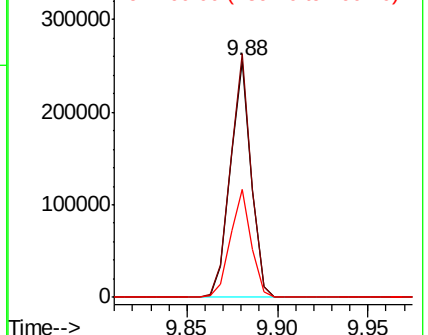
160 45.8 35.4 53.2



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: 139.185 ng

RT: 10.67 min Scan# 1459

Delta R.T. -0.01 min

Lab File: BF116676.D

Acq: 31 Aug 2019 3:19

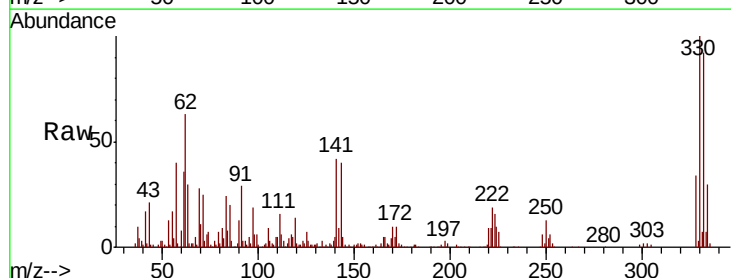
Tgt Ion:330 Resp: 189812

Ion Ratio Lower Upper

330 100

332 92.7 76.9 115.3

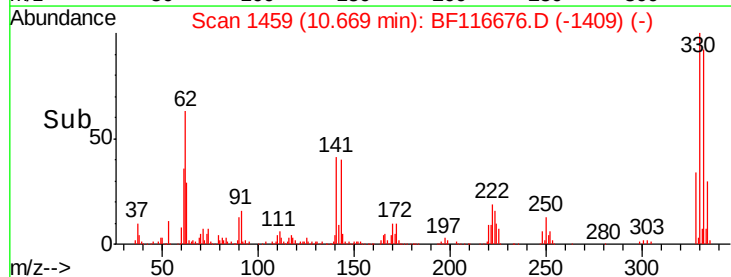
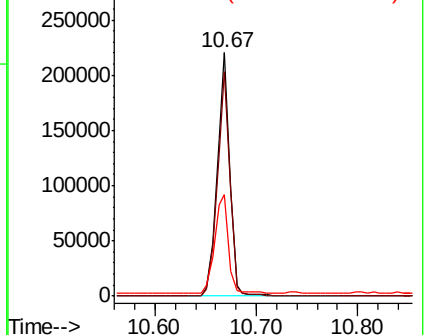
141 44.6 31.4 47.2

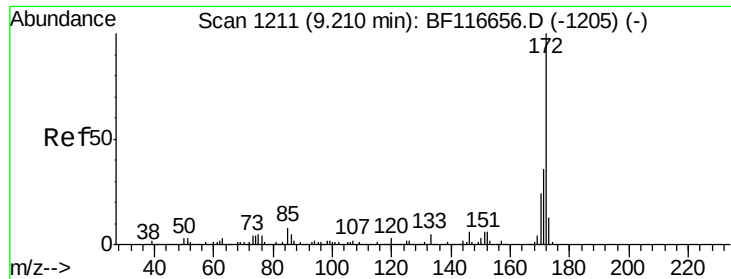


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

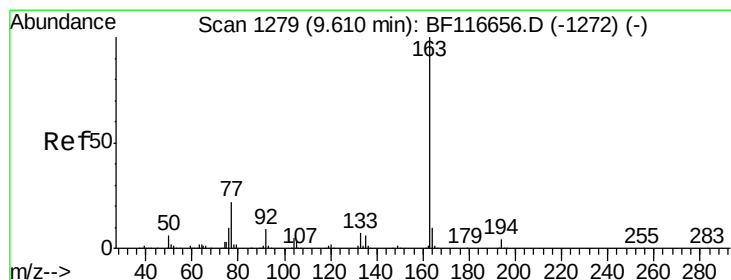
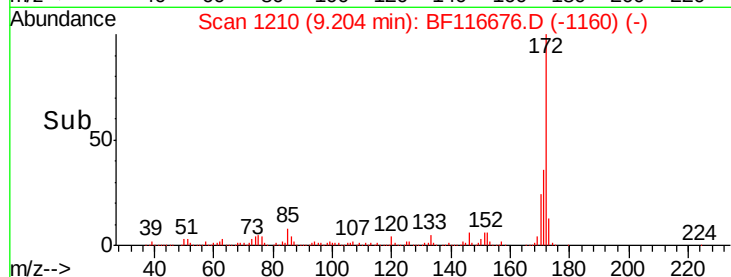
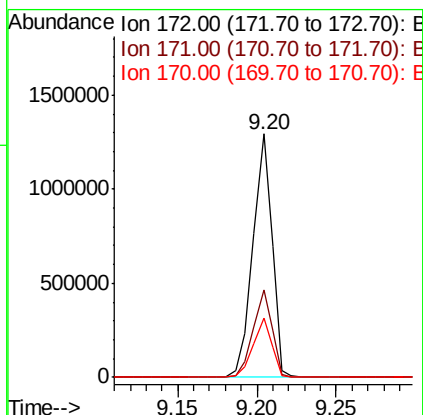
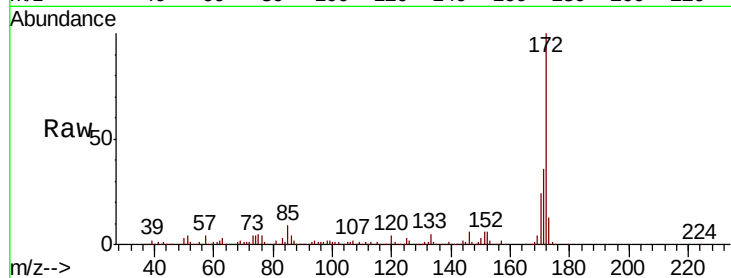




#45
2-Fluorobiphenyl
Concen: 90.050 ng
RT: 9.20 min Scan# 1210
Delta R.T. -0.00 min
Lab File: BF116676.D
Acq: 31 Aug 2019 3:19

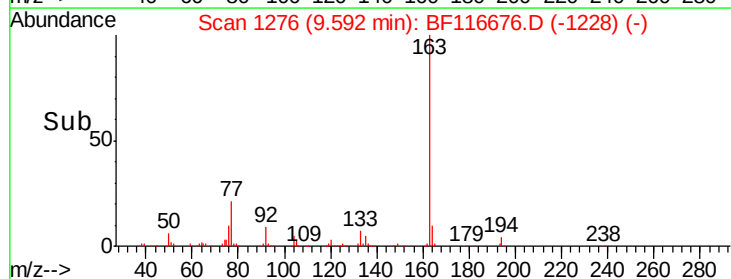
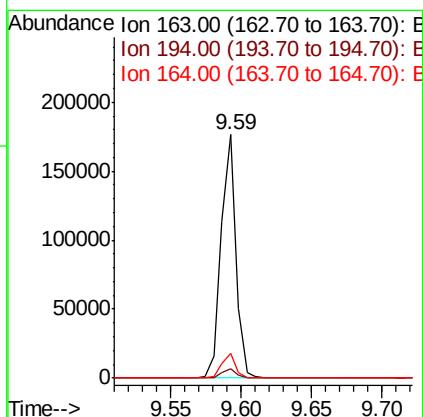
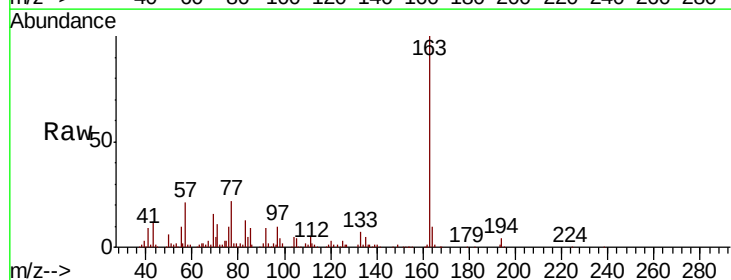
Instrument :
BNA_F
ClientSampleId :

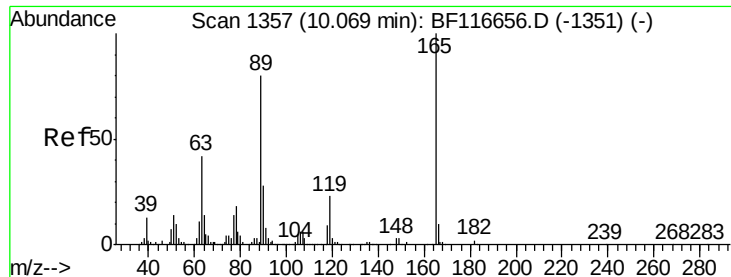
Tot Ion:172 Resp: 1088961
Ion Ratio Lower Upper
172 100
171 35.7 27.8 41.6
170 24.2 18.9 28.3



#50
Dimethylphthalate
Concen: 9.188 ng
RT: 9.59 min Scan# 1276
Delta R.T. -0.02 min
Lab File: BF116676.D
Acq: 31 Aug 2019 3:19

Tgt Ion:163 Resp: 129394
Ion Ratio Lower Upper
163 100
194 3.8 2.8 4.2
164 10.0 8.6 12.8





#57

2,4-Dinitrotoluene

Concen: 8.108 ng

RT: 9.88 min Scan# 1325

Delta R.T. -0.19 min

Lab File: BF116676.D

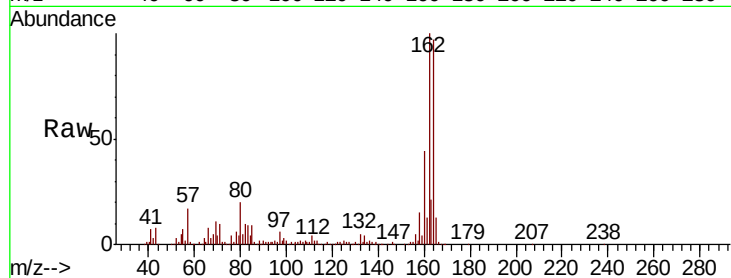
Acq: 31 Aug 2019 3:19

Instrument :

BNA_F

ClientSampled :

Tot Ion:	165	Resp:	26639
Ion	Ratio	Lower	Upper
165	100		
63	1.3	36.4	54.6#
89	1.7	62.6	94.0#
182	0.0	2.1	3.1#



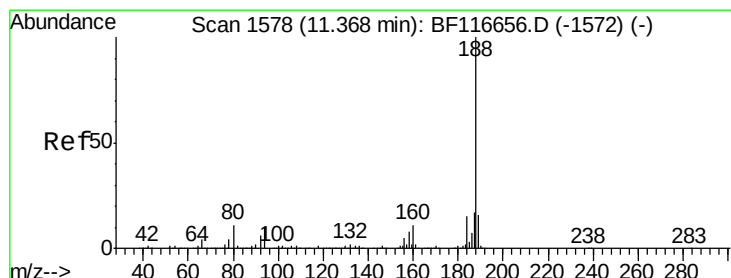
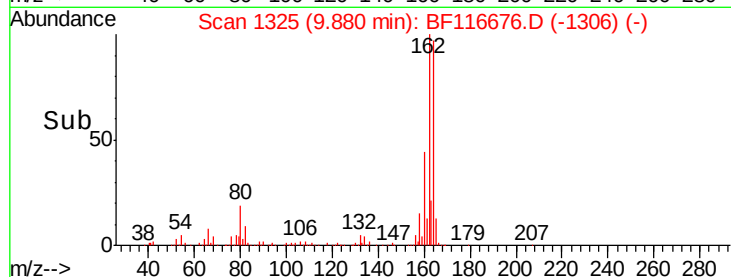
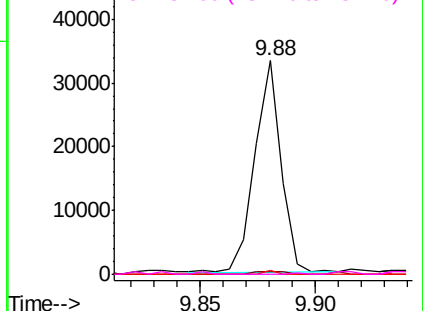
Abundance

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

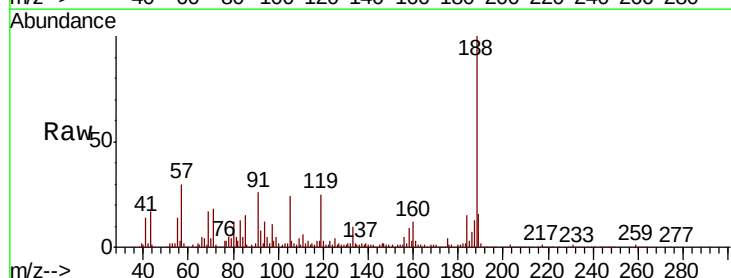
RT: 11.36 min Scan# 1577

Delta R.T. -0.01 min

Lab File: BF116676.D

Acq: 31 Aug 2019 3:19

Tgt Ion:	188	Resp:	297893
Ion	Ratio	Lower	Upper
188	100		
94	11.8	7.3	10.9#
80	12.2	8.4	12.6

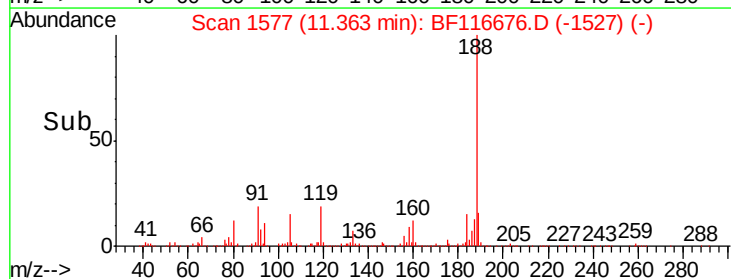
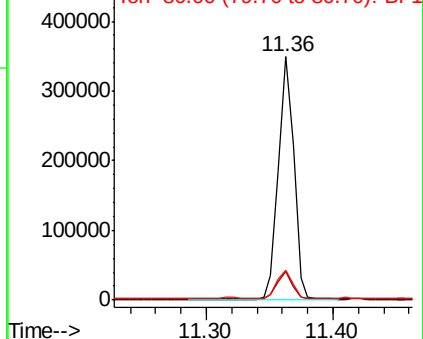


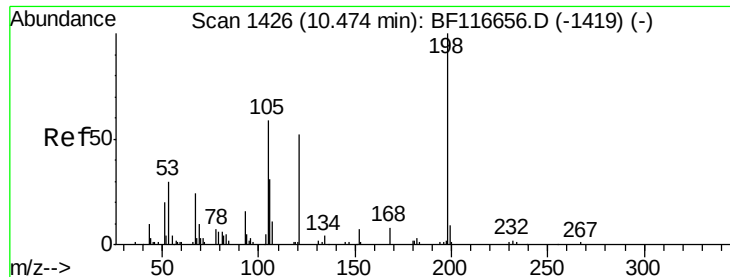
Abundance

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

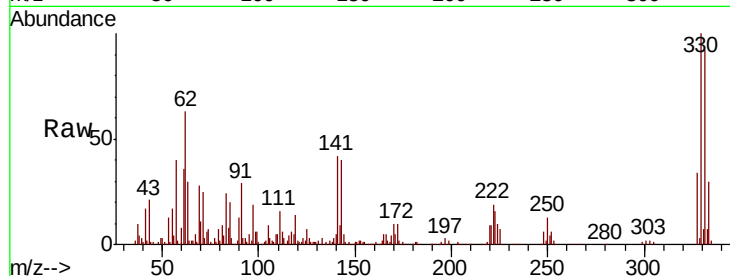




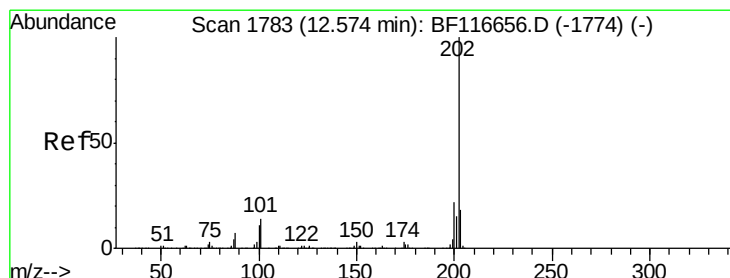
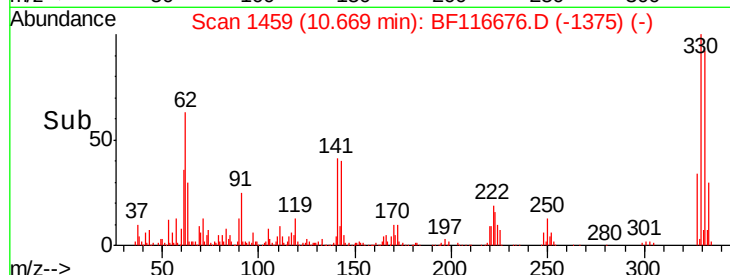
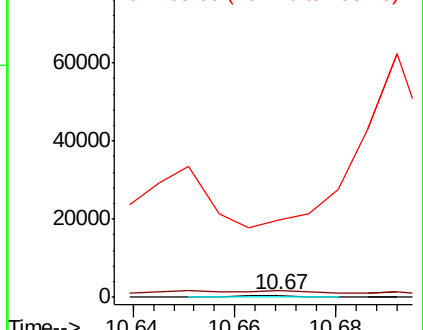
#65
4,6-Dinitro-2-methylphenol
Concen: 7.702 ng
RT: 10.67 min Scan# 1459
Delta R.T. 0.19 min
Lab File: BF116676.D
Acq: 31 Aug 2019 3:19

Instrument :
BNA_F
ClientSampleId :

Tot Ion:198 Resp: 326
Ion Ratio Lower Upper
198 100
51 363.8 18.4 58.4#
105 3809.3 22.9 62.9#

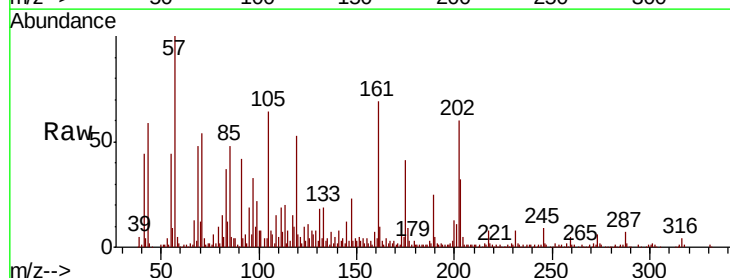


Abundance Ion 198.00 (197.70 to 198.70): E
Ion 51.00 (50.70 to 51.70): BF1
Ion 105.00 (104.70 to 105.70): E

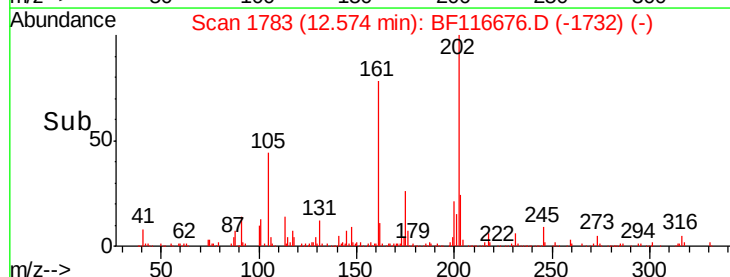
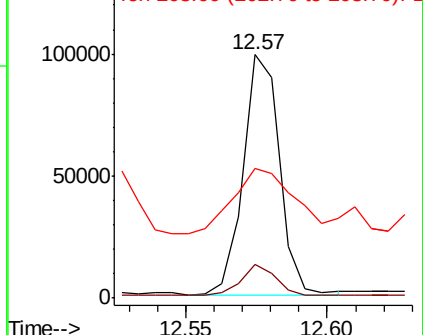


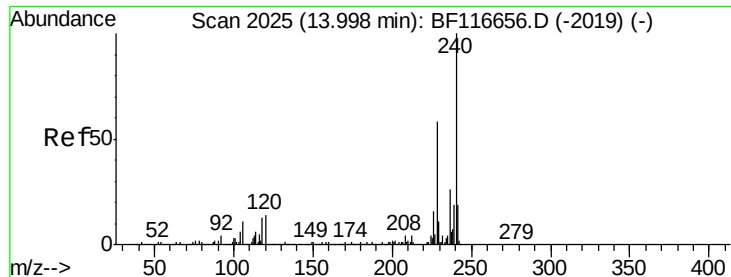
#75
Fluoranthene
Concen: 5.362 ng
RT: 12.57 min Scan# 1783
Delta R.T. 0.00 min
Lab File: BF116676.D
Acq: 31 Aug 2019 3:19

Tgt Ion:202 Resp: 87381
Ion Ratio Lower Upper
202 100
101 14.0 0.0 31.3
203 53.2 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

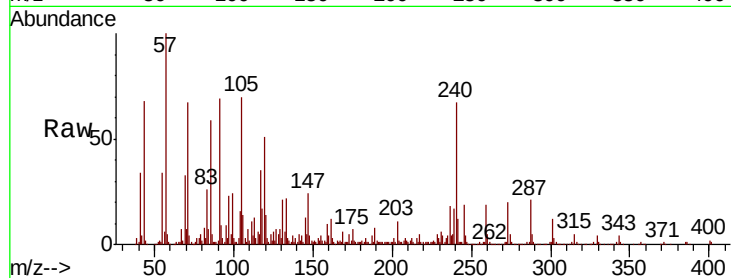




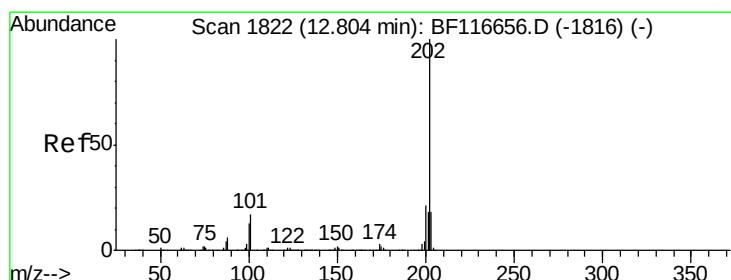
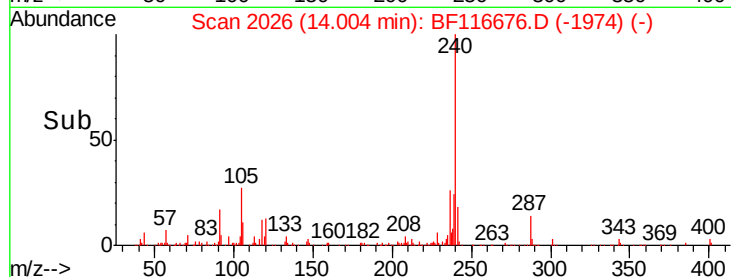
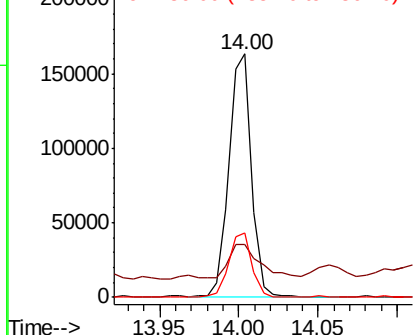
#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.00 min Scan# 2026
Delta R.T. 0.01 min
Lab File: BF116676.D
Acq: 31 Aug 2019 3:19

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
240	100		
120	21.5	9.1	13.7
236	26.7	21.1	31.7

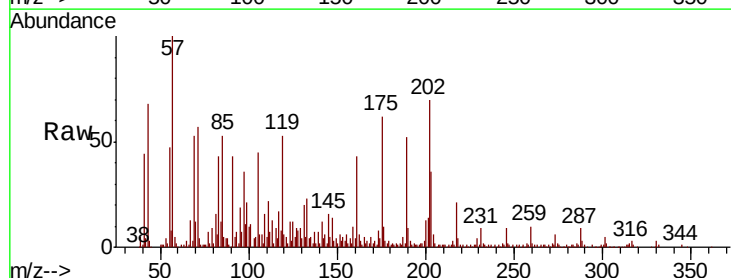


Abundance Ion 240.00 (239.70 to 240.70): E
Ion 120.00 (119.70 to 120.70): E
Ion 236.00 (235.70 to 236.70): E

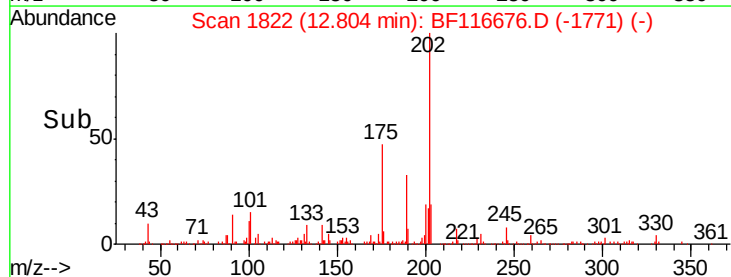
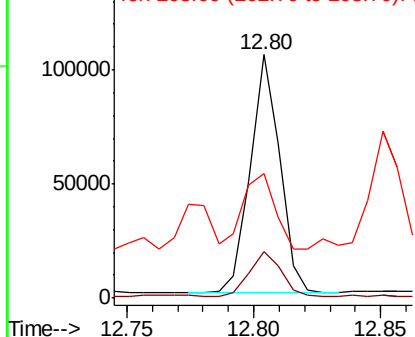


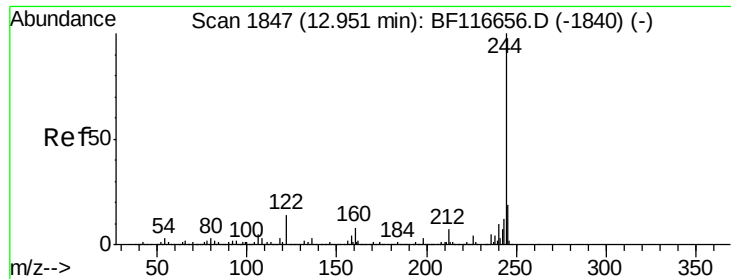
#78
Pyrene
Concen: 6.045 ng
RT: 12.80 min Scan# 1822
Delta R.T. 0.00 min
Lab File: BF116676.D
Acq: 31 Aug 2019 3:19

Tgt Ion	Ratio	Lower	Upper
202	100		
200	19.3	16.5	24.7
203	50.9	13.7	20.5



Abundance Ion 202.00 (201.70 to 202.70): E
Ion 200.00 (199.70 to 200.70): E
Ion 203.00 (202.70 to 203.70): E

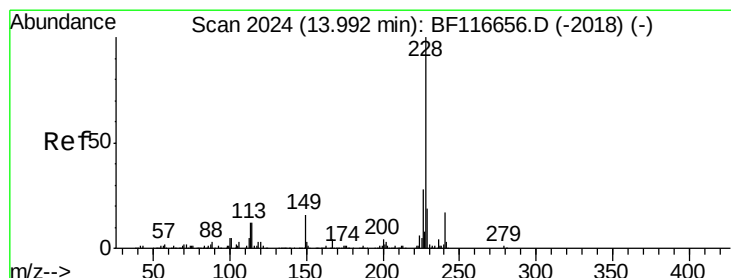
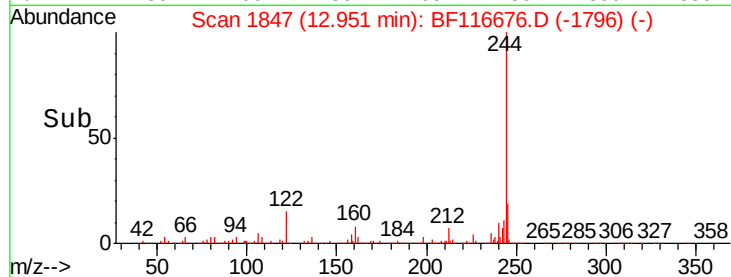
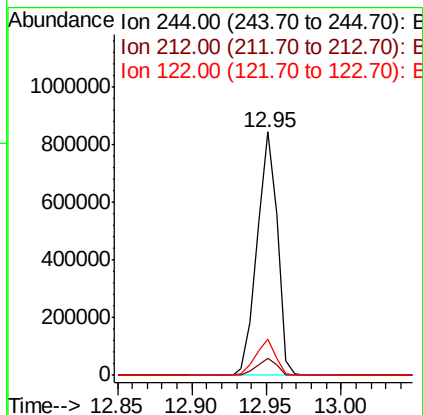
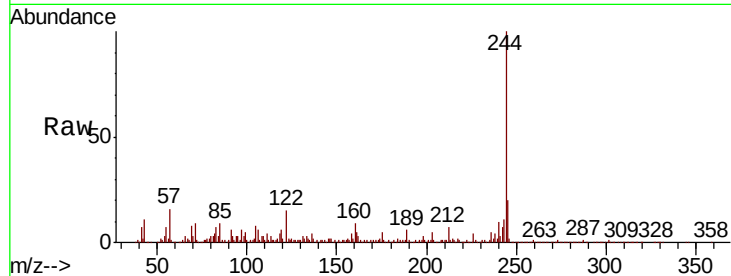




#79
 Terphenyl-d14
 Concen: 90.324 ng
 RT: 12.95 min Scan# 1847
 Delta R.T. 0.00 min
 Lab File: BF116676.D
 Acq: 31 Aug 2019 3:19

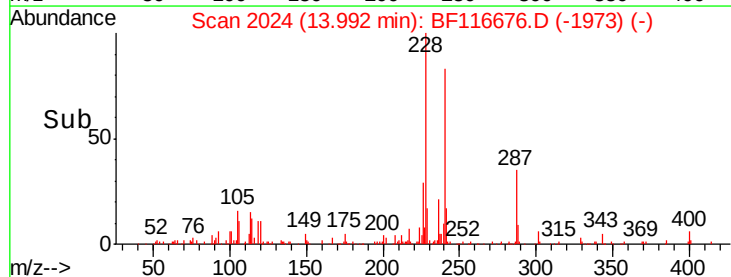
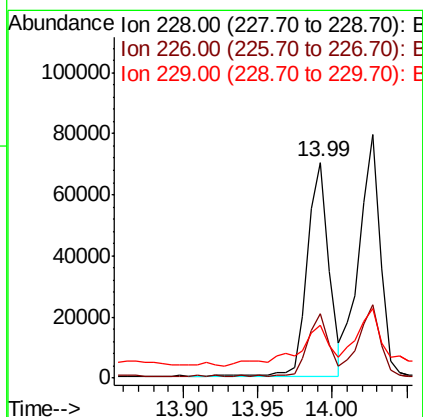
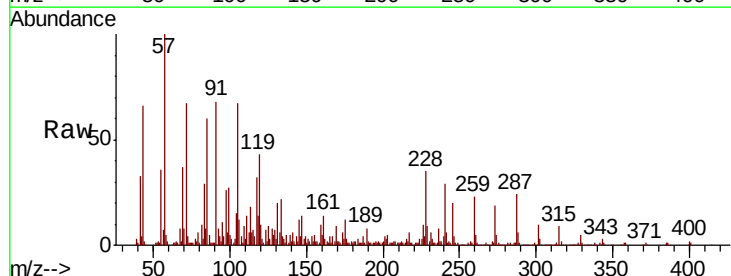
Instrument :
 BNA_F
 ClientSampled :

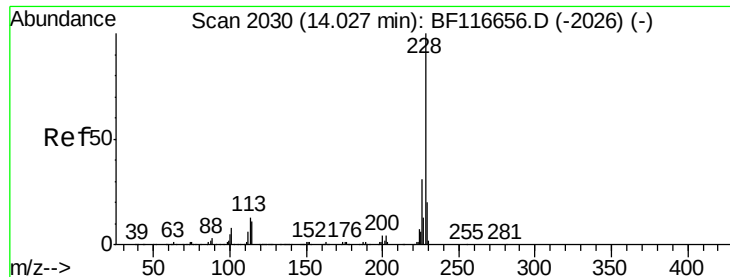
Tot Ion	Ratio	Lower	Upper
244	100		
212	7.2	6.1	9.1
122	14.9	10.2	15.4



#81
 Benzo(a)anthracene
 Concen: 6.989 ng
 RT: 13.99 min Scan# 2024
 Delta R.T. 0.00 min
 Lab File: BF116676.D
 Acq: 31 Aug 2019 3:19

Tgt Ion	Ratio	Lower	Upper
228	100		
226	29.6	22.0	33.0
229	24.6	16.4	24.6

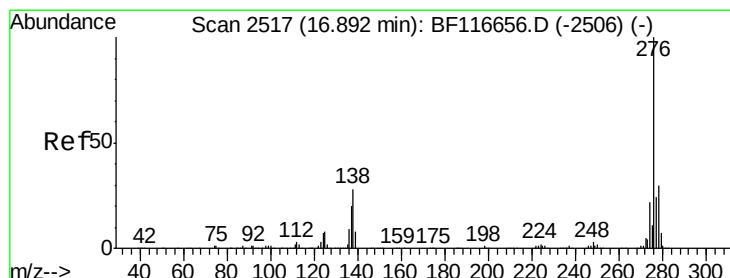
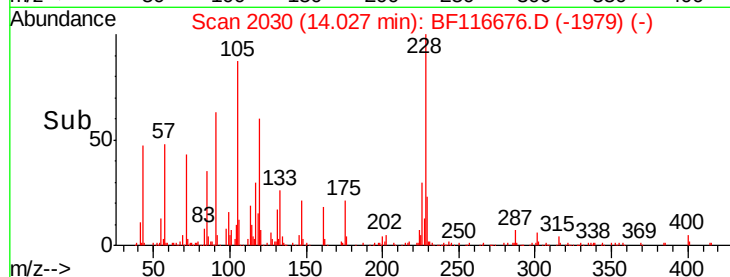
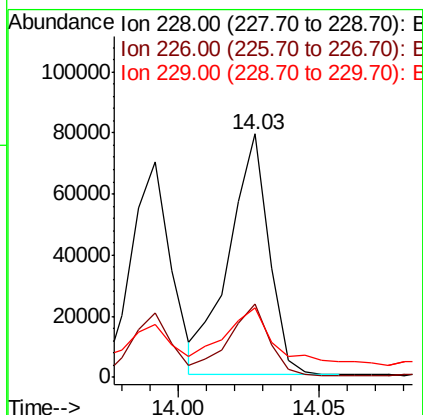
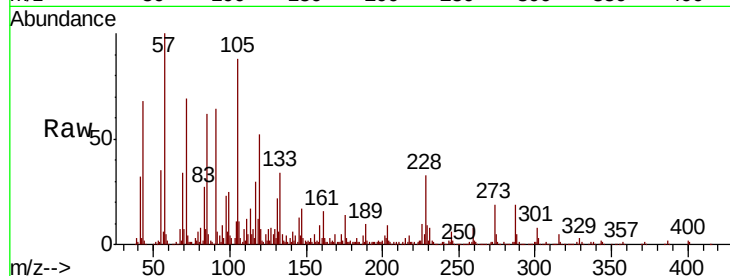




#83
Chrysene
Concen: 7.456 ng
RT: 14.03 min Scan# 2030
Delta R.T. 0.00 min
Lab File: BF116676.D
Acq: 31 Aug 2019 3:19

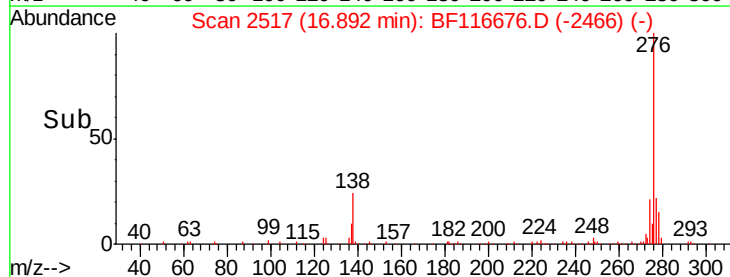
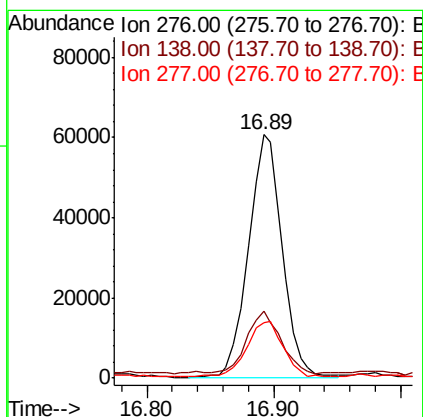
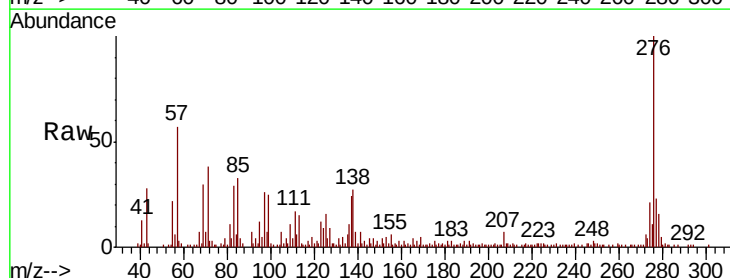
Instrument :
BNA_F
ClientSampleId :

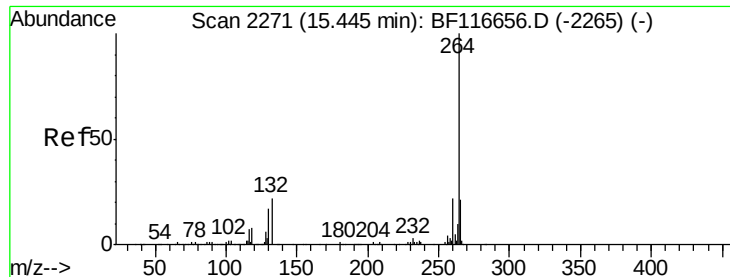
Tot Ion:228 Resp: 77421
Ion Ratio Lower Upper
228 100
226 30.2 24.0 36.0
229 28.4 15.4 23.0#



#86
Indeno(1,2,3-cd)pyrene
Concen: 13.575 ng
RT: 16.89 min Scan# 2517
Delta R.T. 0.00 min
Lab File: BF116676.D
Acq: 31 Aug 2019 3:19

Tgt Ion:276 Resp: 113222
Ion Ratio Lower Upper
276 100
138 25.8 19.4 29.2
277 24.4 20.5 30.7





#87

Pervlene-d12

Concen: 20.000 ng

RT: 15.46 min Scan# 2273

Delta R.T. 0.01 min

Lab File: BF116676.D

Acq: 31 Aug 2019 3:19

Instrument :

BNA_F

ClientSampleId :

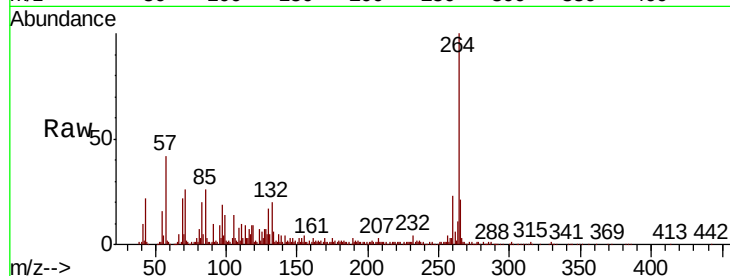
Tot Ion:264 Resp: 227943

Ion Ratio Lower Upper

264 100

260 23.4 18.3 27.5

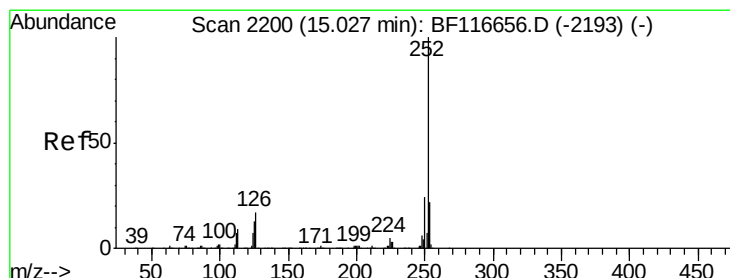
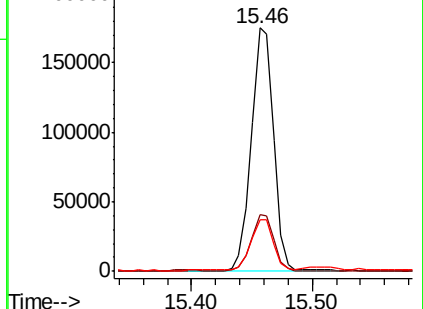
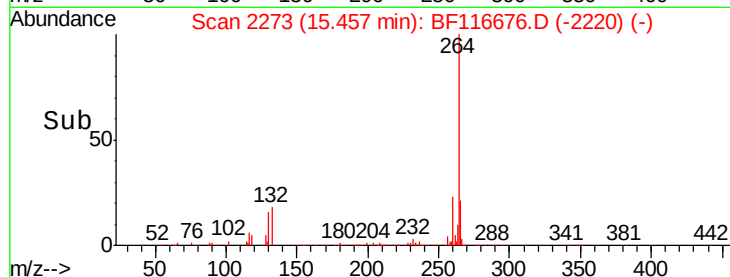
265 21.2 16.5 24.7



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: 15.965 ng

RT: 15.04 min Scan# 2202

Delta R.T. 0.01 min

Lab File: BF116676.D

Acq: 31 Aug 2019 3:19

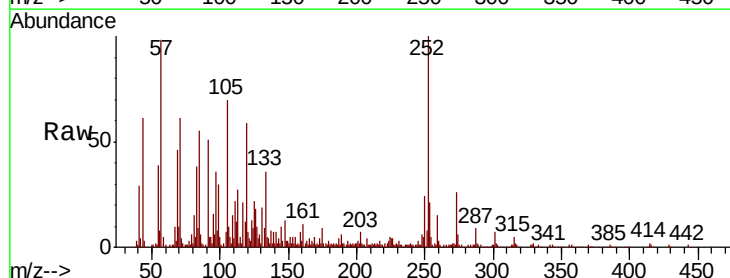
Tgt Ion:252 Resp: 220016

Ion Ratio Lower Upper

252 100

253 21.4 17.7 26.5

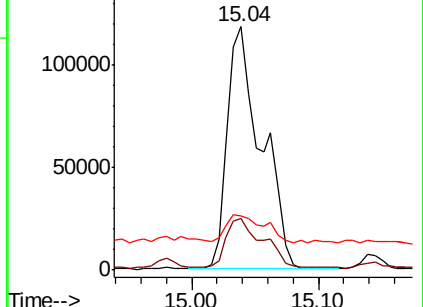
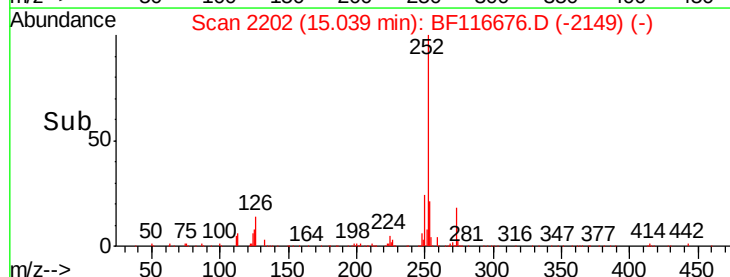
125 22.2 8.2 12.2#

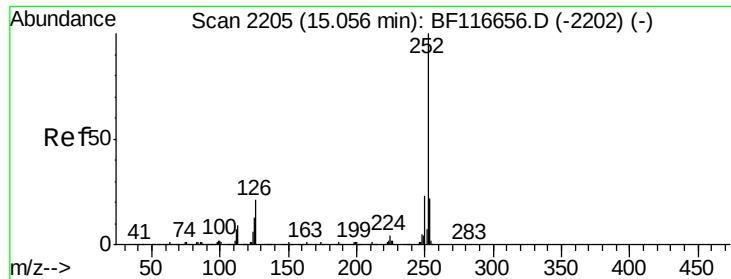


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E

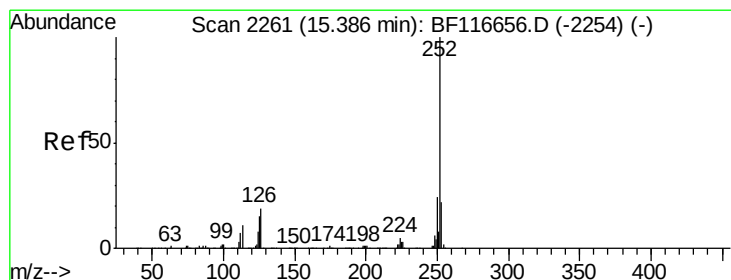
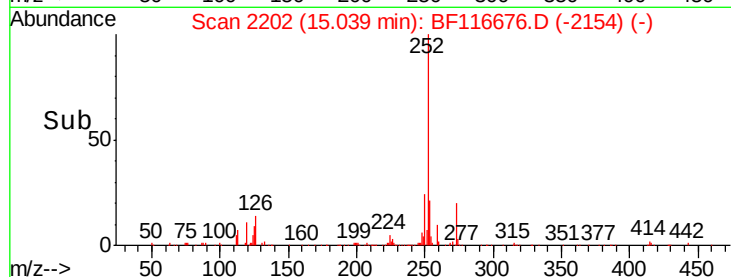
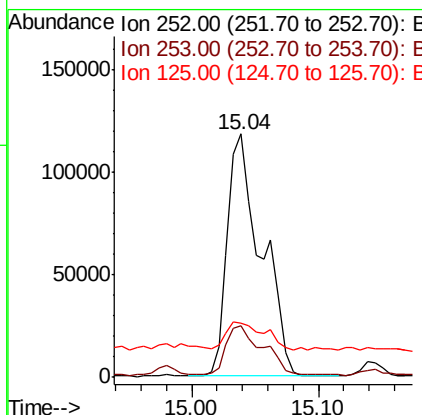
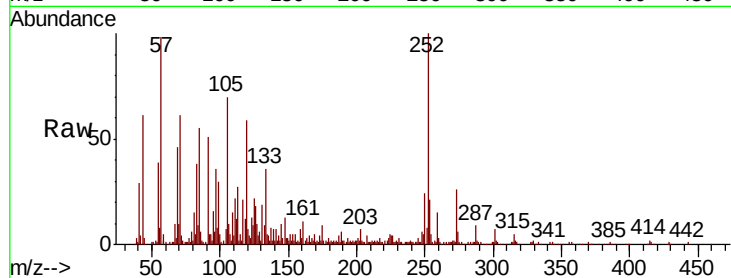




#89
Benzo(k)fluoranthene
Concen: 17.510 ng
RT: 15.04 min Scan# 2202
Delta R.T. -0.02 min
Lab File: BF116676.D
Acq: 31 Aug 2019 3:19

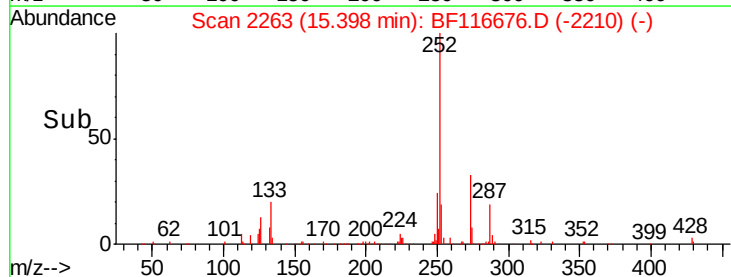
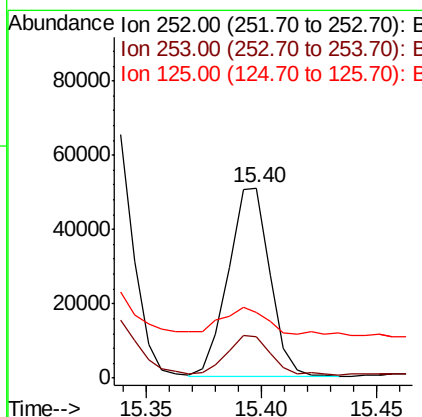
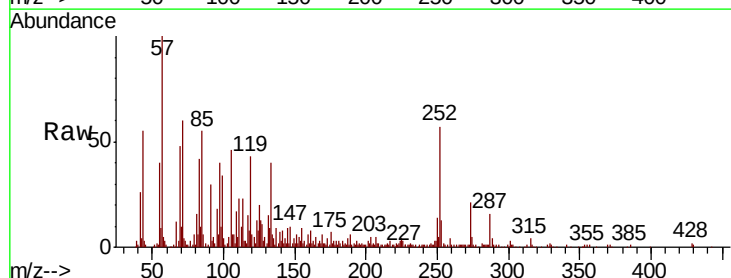
Instrument :
BNA_F
ClientSampleId :

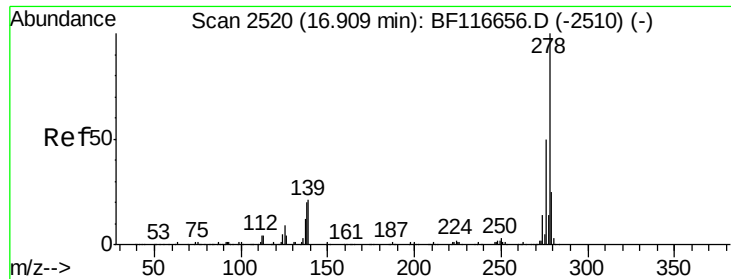
Tot Ion	Ratio	Lower	Upper
252	100		
253	21.4	17.7	26.5
125	22.2	8.6	13.0



#90
Benzo(a)pyrene
Concen: 5.331 ng
RT: 15.40 min Scan# 2263
Delta R.T. 0.01 min
Lab File: BF116676.D
Acq: 31 Aug 2019 3:19

Tgt Ion	Ratio	Lower	Upper
252	100		
253	21.9	18.1	27.1
125	34.9	9.8	14.8





#91

Dibenzo(a,h)anthracene

Concen: 2.466 ng

RT: 16.90 min Scan# 2518

Delta R.T. -0.01 min

Lab File: BF116676.D

Acq: 31 Aug 2019 3:19

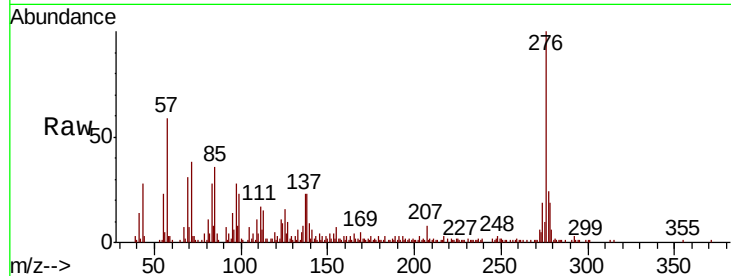
Instrument :

BNA_F

ClientSampleId :

Tot Ion:278 Resp: 25875

Ion	Ratio	Lower	Upper
278	100		
139	48.9	12.4	18.6#
279	28.9	18.2	27.4#

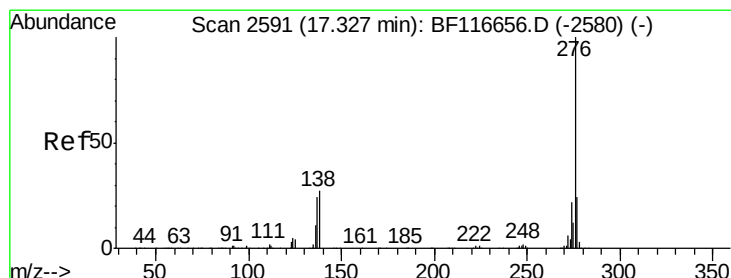
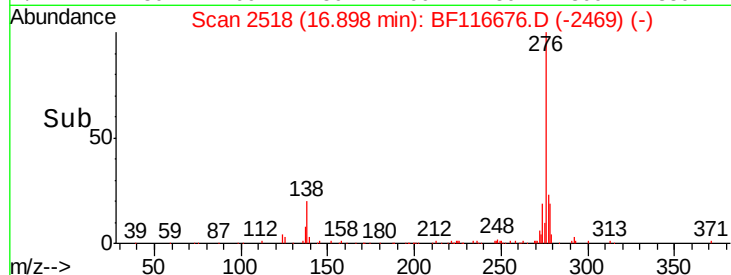
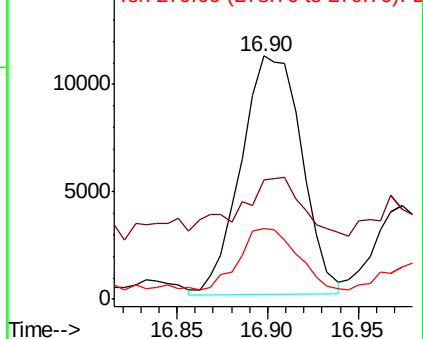


Abundance

Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E



#92

Benzo(g,h,i)perylene

Concen: 11.797 ng

RT: 17.33 min Scan# 2591

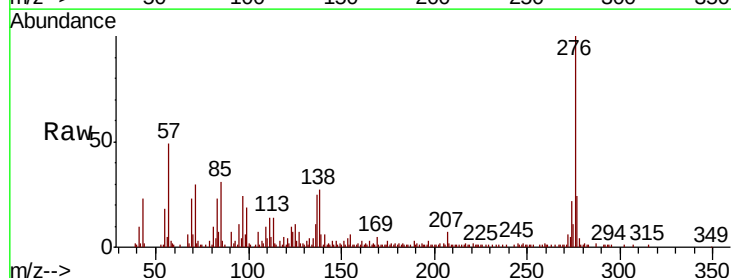
Delta R.T. 0.00 min

Lab File: BF116676.D

Acq: 31 Aug 2019 3:19

Tgt Ion:276 Resp: 126270

Ion	Ratio	Lower	Upper
276	100		
277	23.9	18.5	27.7
138	27.4	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

