

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF121118\
 Data File : BF111275.D
 Acq On : 11 Dec 2018 13:36
 Operator : JU/SJ
 Sample : J6234-01 5X
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Dec 11 17:03:20 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF120818.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Dec 10 01:15:27 2018
 Response via : Initial Calibration

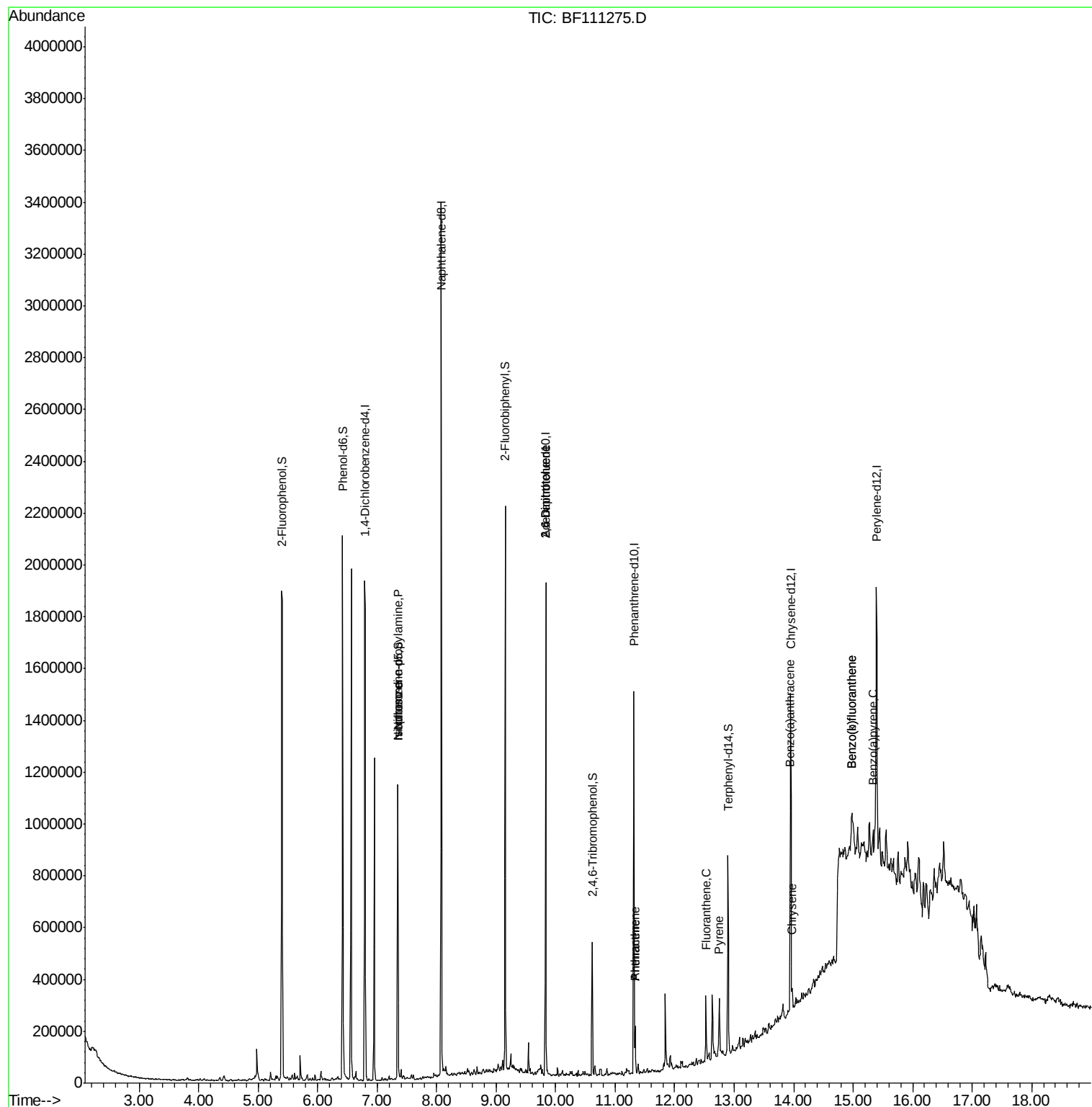
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.80	152	276029	20.00	ng	0.00
21) Naphthalene-d8	8.08	136	1431127	20.00	ng	0.00
39) Acenaphthene-d10	9.83	164	338107	20.00	ng	0.00
64) Phenanthrene-d10	11.32	188	471624	20.00	ng	0.00
76) Chrysene-d12	13.95	240	358401	20.00	ng	0.00
87) Perylene-d12	15.39	264	437524	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.40	112	536280	30.68	ng	0.00
7) Phenol-d6	6.42	99	657406	30.26	ng	-0.01
23) Nitrobenzene-d5	7.35	82	318110	12.47	ng	-0.01
42) 2,4,6-Tribromophenol	10.62	330	50080	16.72	ng	-0.01
45) 2-Fluorobiphenyl	9.15	172	592310	22.81	ng	-0.01
79) Terphenyl-d14	12.90	244	206983	13.85	ng	0.00
Target Compounds				Qvalue		
9) Benzaldehyde	6.34	77	740	Below Cal	#	53
19) n-Nitroso-di-n-propylamine	7.35	70	44083	3.029 ng	#	86
25) Isophorone	7.35	82	310464	7.144 ng	#	64
46) 1,1'-Biphenyl	9.25	154	2334	Below Cal		78
51) 2,6-Dinitrotoluene	9.83	165	45582	8.273 ng	#	30
57) 2,4-Dinitrotoluene	9.83	165	45582	6.711 ng	#	25
71) Phenanthrene	11.34	178	60227	2.532 ng		95
72) Anthracene	11.34	178	60227	2.420 ng		96
75) Fluoranthene	12.53	202	97618	4.492 ng		94
78) Pyrene	12.75	202	90066	3.517 ng		96
81) Benzo(a)anthracene	13.94	228	43308	2.166 ng		94
83) Chrysene	13.97	228	44366	2.152 ng		97
88) Benzo(b)fluoranthene	14.97	252	99788	4.124 ng	#	82
89) Benzo(k)fluoranthene	14.97	252	99788	4.387 ng	#	81
90) Benzo(a)pyrene	15.33	252	47857	2.148 ng	#	80

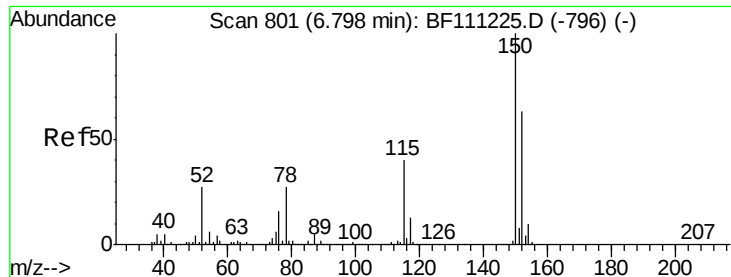
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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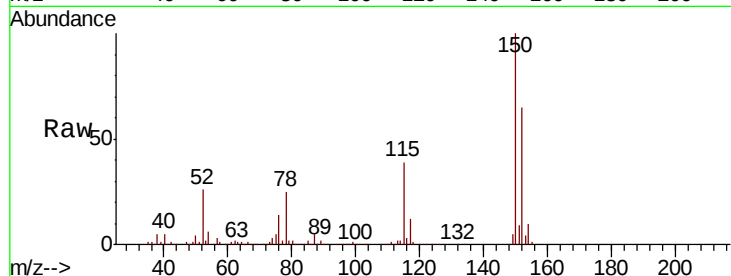


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.80 min Scan# 801
Delta R.T. -0.00 min
Lab File: BF111275.D
Acq: 11 Dec 2018 13:36

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
152	100		
150	152.9	126.6	189.8
115	58.9	50.7	76.1

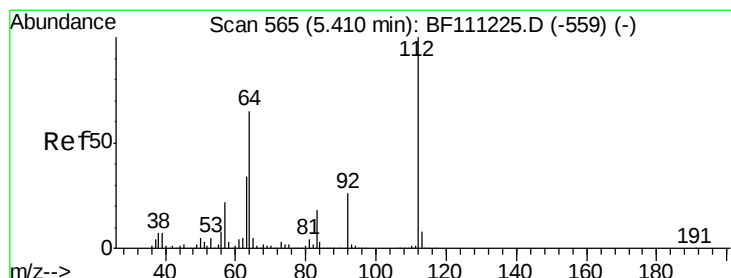
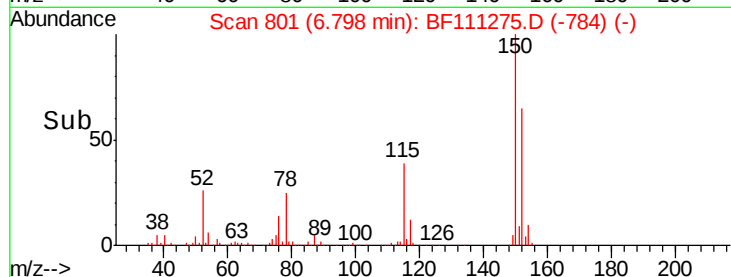
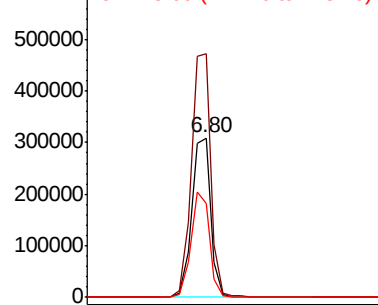


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

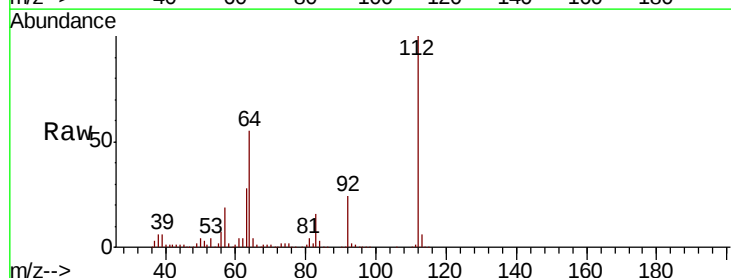
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 30.679 ng
RT: 5.40 min Scan# 564
Delta R.T. -0.01 min
Lab File: BF111275.D
Acq: 11 Dec 2018 13:36

Tgt Ion	Ratio	Lower	Upper
112	100		
64	54.7	51.8	77.6
63	27.9	26.8	40.2

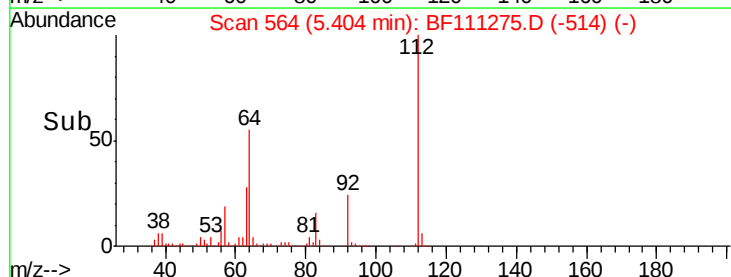
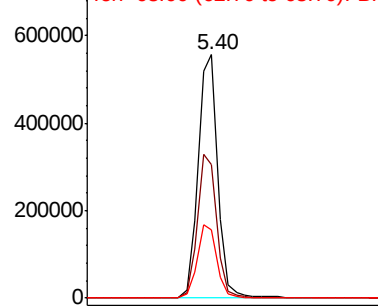


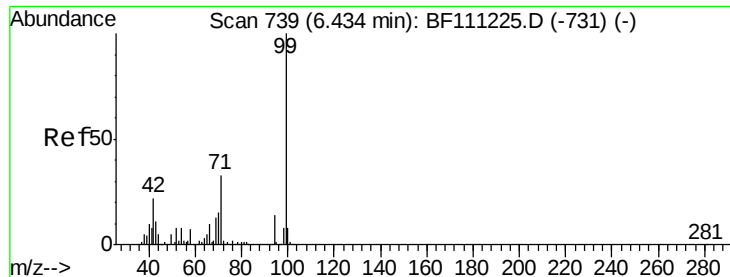
Abundance

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: 30.262 ng

RT: 6.42 min Scan# 737

Delta R.T. -0.01 min

Lab File: BF111275.D

Acq: 11 Dec 2018 13:36

Instrument :

BNA_F

ClientSampled :

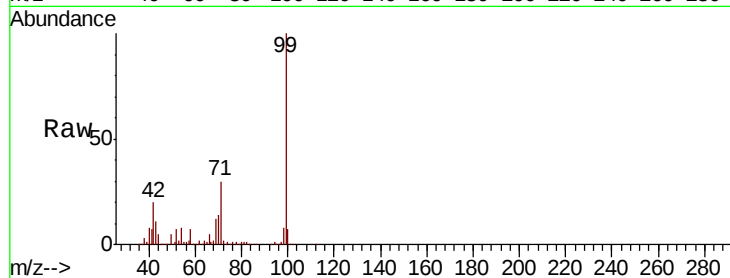
Tot Ion: 99 Resp: 657406

Ion Ratio Lower Upper

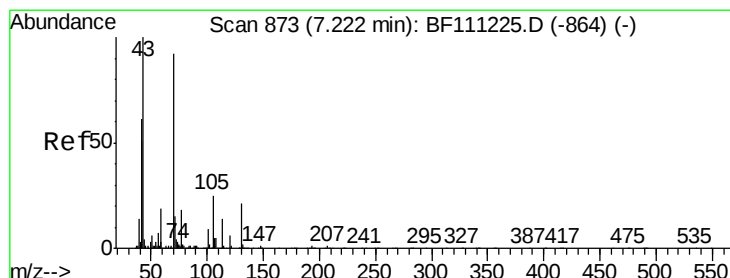
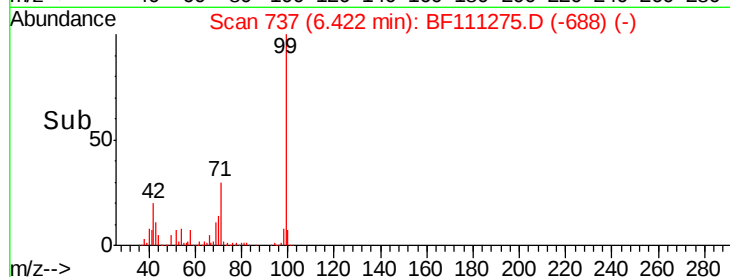
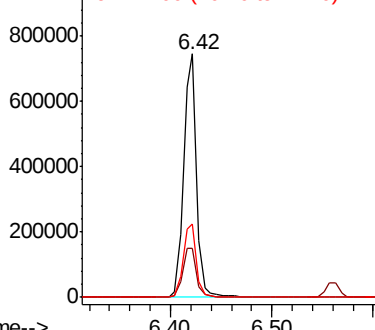
99 100

42 20.2 17.4 26.0

71 30.4 26.1 39.1



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: 3.029 ng

RT: 7.35 min Scan# 895

Delta R.T. 0.13 min

Lab File: BF111275.D

Acq: 11 Dec 2018 13:36

Tgt Ion: 70 Resp: 44083

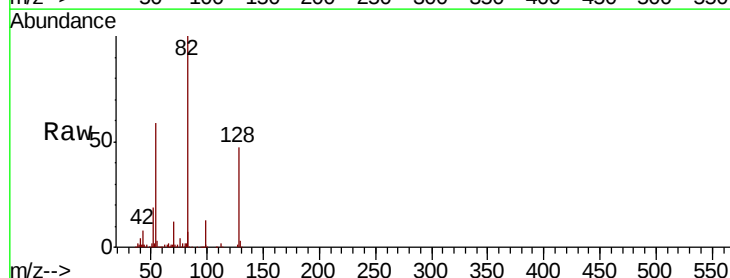
Ion Ratio Lower Upper

70 100

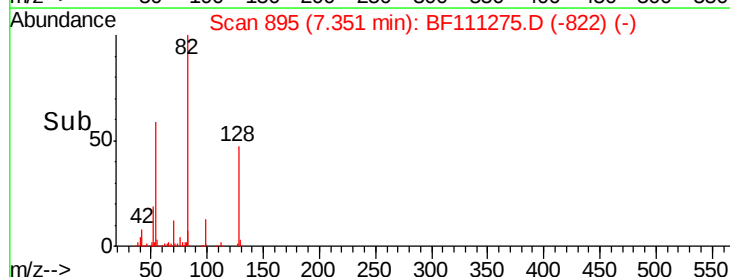
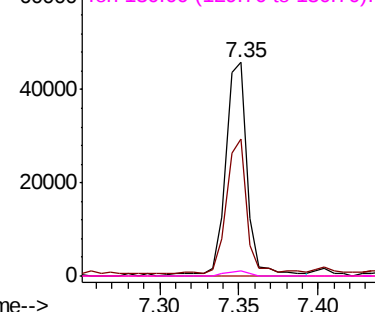
42 64.3 53.2 79.8

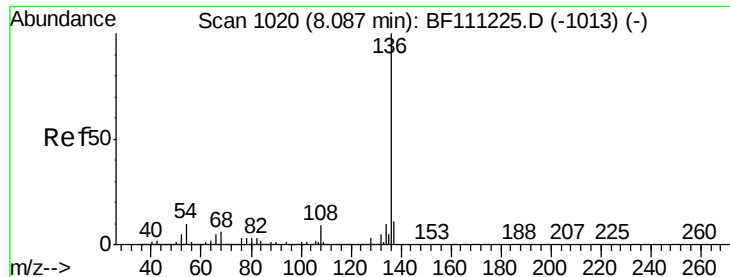
101 0.0 8.2 12.4#

130 2.7 18.1 27.1#



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

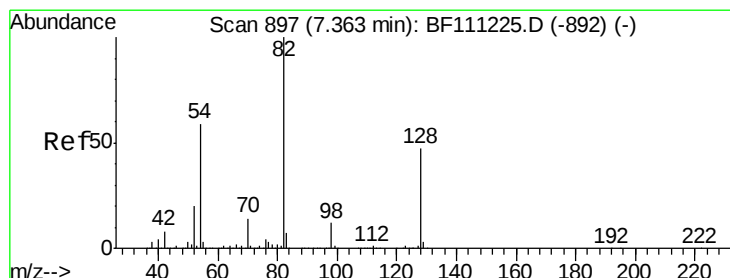
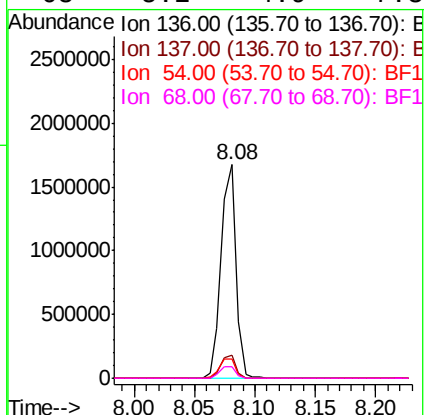
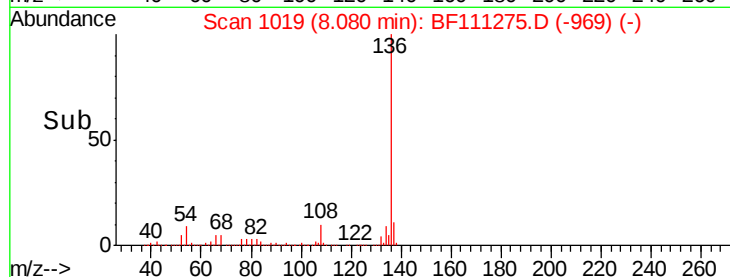
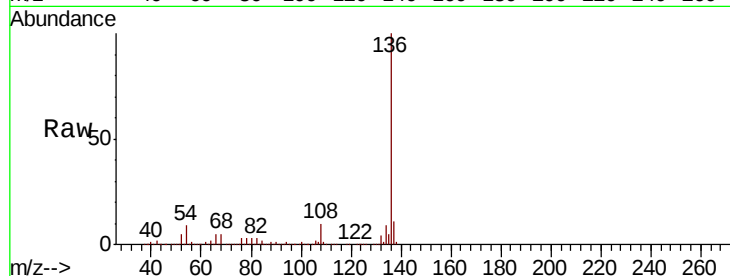




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.08 min Scan# 1019
Delta R.T. -0.01 min
Lab File: BF111275.D
Acq: 11 Dec 2018 13:36

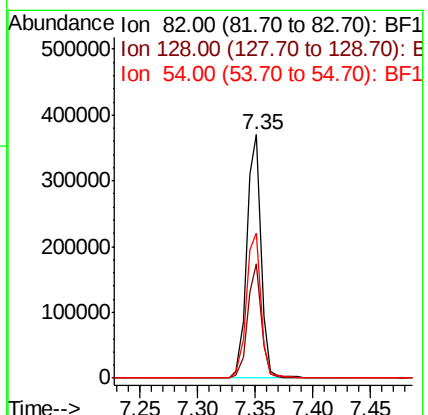
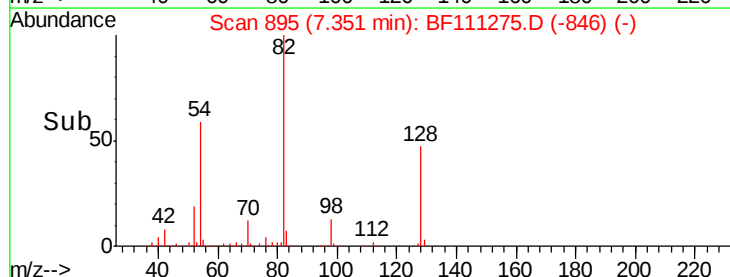
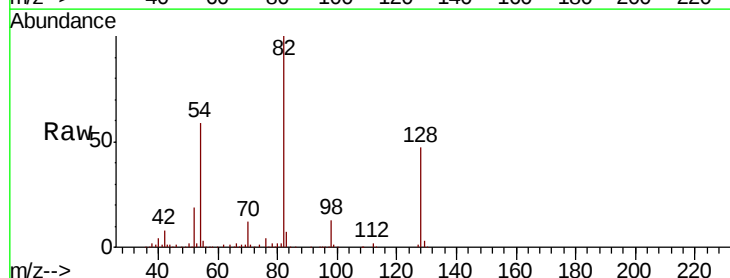
Instrument :
BNA_F
ClientSampleId :

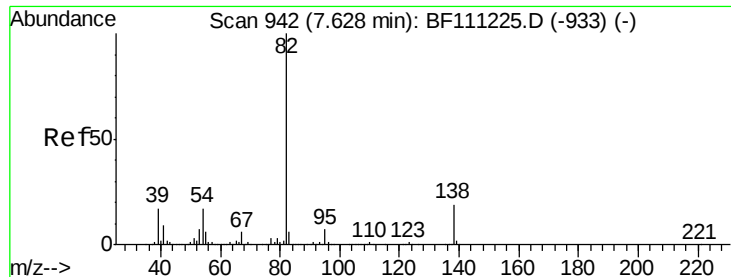
Tot Ion:136	Resp: 1431127
Ion Ratio	Lower Upper
136 100	
137 10.8	9.1 13.7
54 8.8	7.7 11.5
68 5.2	4.9 7.3



#23
Nitrobenzene-d5
Concen: 12.467 ng
RT: 7.35 min Scan# 895
Delta R.T. -0.01 min
Lab File: BF111275.D
Acq: 11 Dec 2018 13:36

Tgt Ion	82	Resp: Lower	318110 Upper
	Ratio 100		
128	47.0	37.4	56.2
54	59.5	47.6	71.4

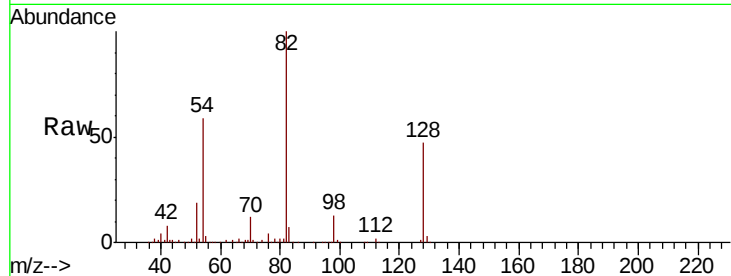




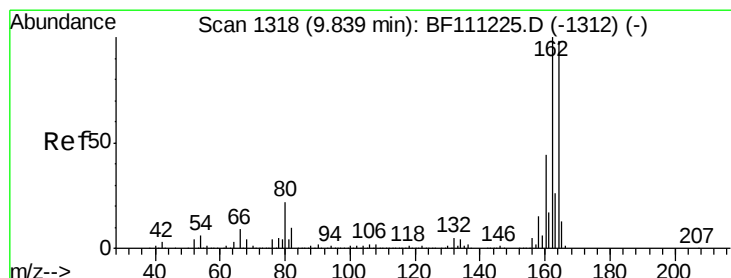
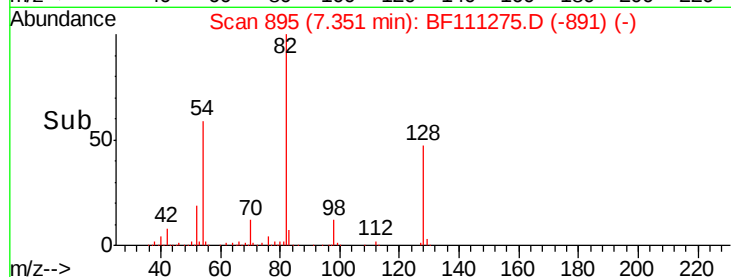
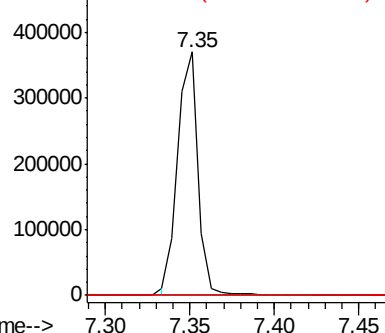
#25
Isophorone
Concen: 7.144 ng
RT: 7.35 min Scan# 895
Delta R.T. -0.28 min
Lab File: BF111275.D
Acq: 11 Dec 2018 13:36

Instrument :
BNA_F
ClientSampleId :

Tot Ion: 82 Resp: 310464
Ion Ratio Lower Upper
82 100
95 0.1 5.4 8.2#
138 0.0 15.1 22.7#

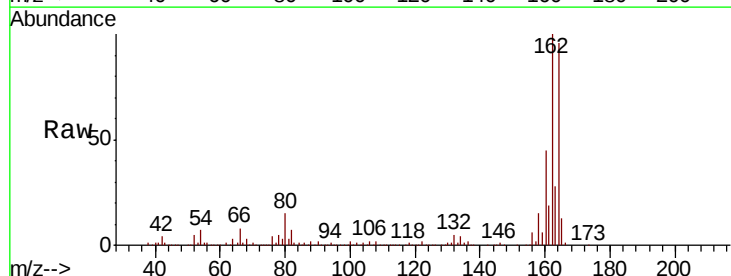


Abundance Ion 82.00 (81.70 to 82.70): BF1
Ion 95.00 (94.70 to 95.70): BF1
Ion 138.00 (137.70 to 138.70): BF1

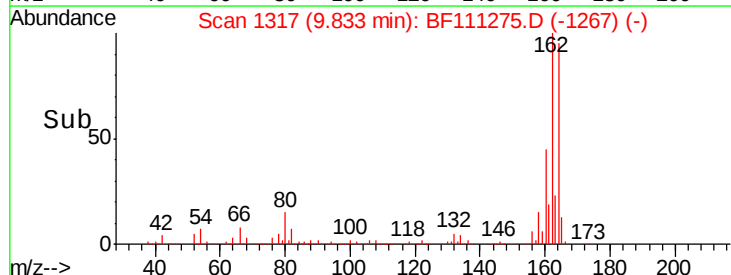
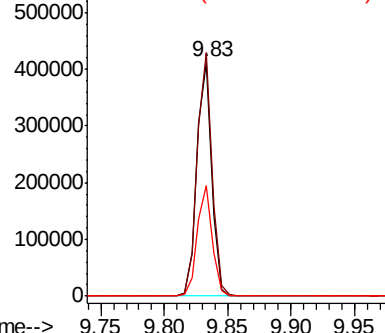


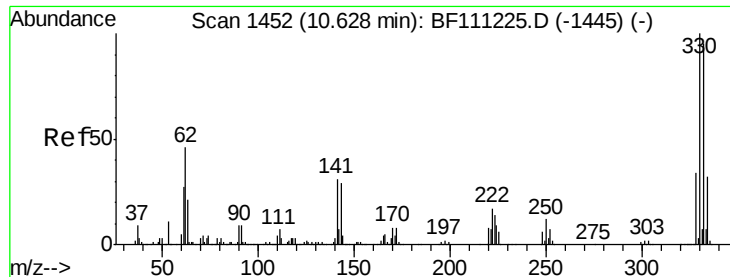
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.83 min Scan# 1317
Delta R.T. -0.01 min
Lab File: BF111275.D
Acq: 11 Dec 2018 13:36

Tgt Ion:164 Resp: 338107
Ion Ratio Lower Upper
164 100
162 104.2 81.4 122.0
160 47.0 35.7 53.5



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

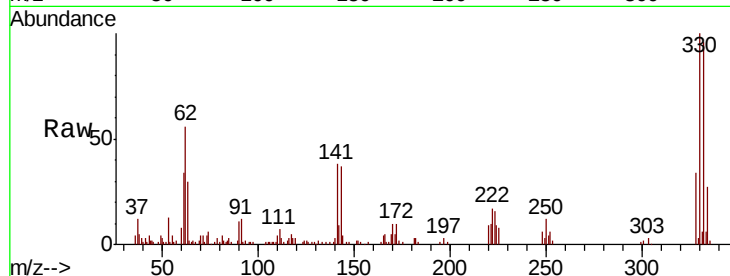




#42
 2,4,6-Tribromophenol
 Concen: 16.721 ng
 RT: 10.62 min Scan# 1450
 Delta R.T. -0.01 min
 Lab File: BF111275.D
 Acq: 11 Dec 2018 13:36

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
330	100		
332	94.7	76.0	114.0
141	46.2	31.0	46.6

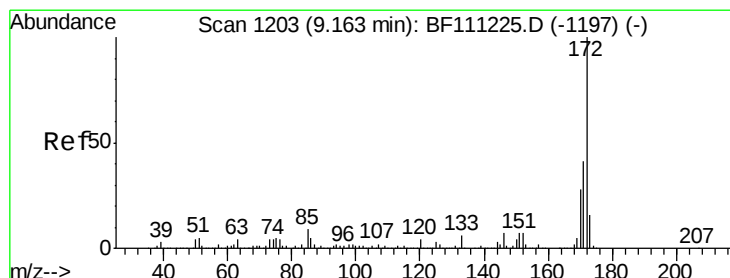
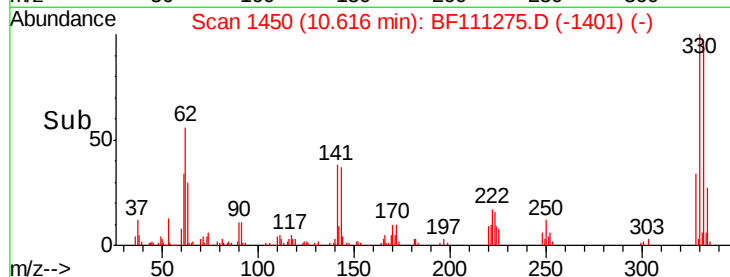
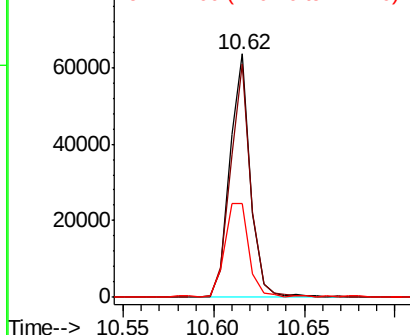


Abundance

Ion 329.80 (329.50 to 330.50): E

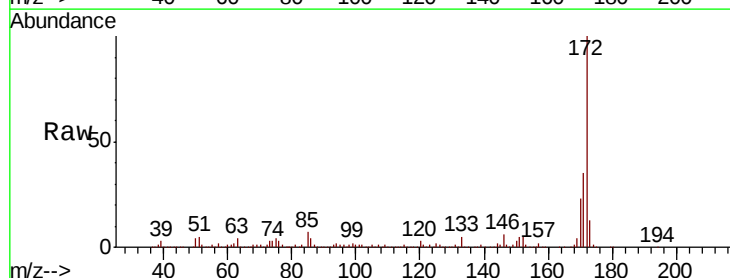
Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E



#45
 2-Fluorobiphenyl
 Concen: 22.813 ng
 RT: 9.15 min Scan# 1201
 Delta R.T. -0.01 min
 Lab File: BF111275.D
 Acq: 11 Dec 2018 13:36

Tgt Ion	Ratio	Lower	Upper
172	100		
171	35.0	33.0	49.4
170	22.6	22.3	33.5

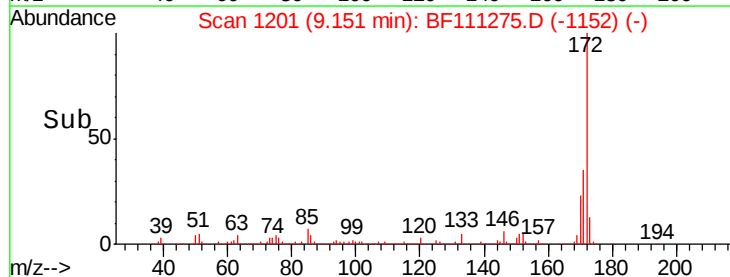
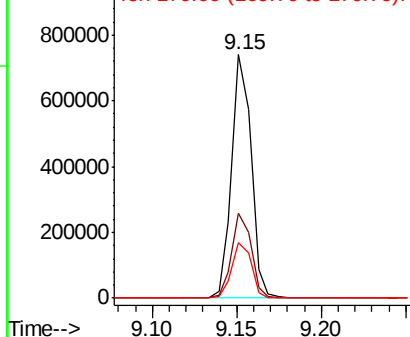


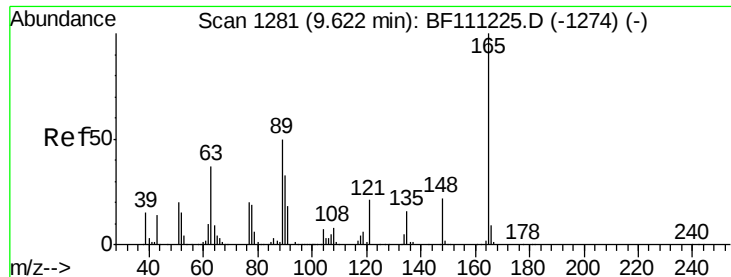
Abundance

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

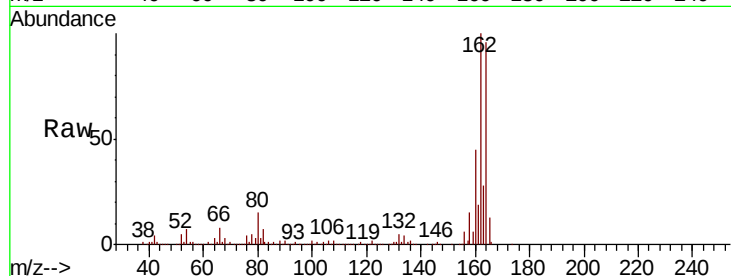




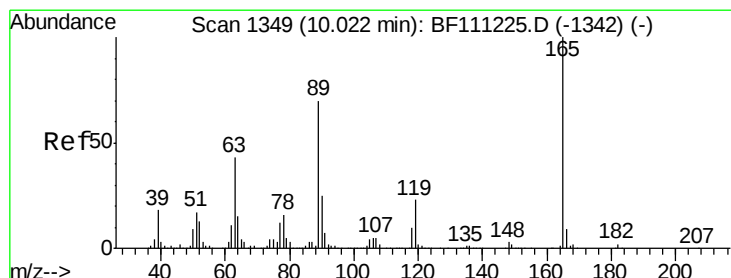
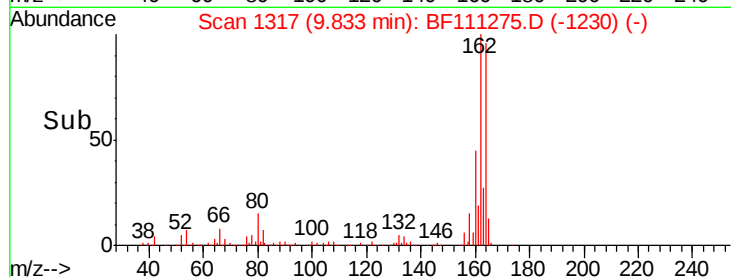
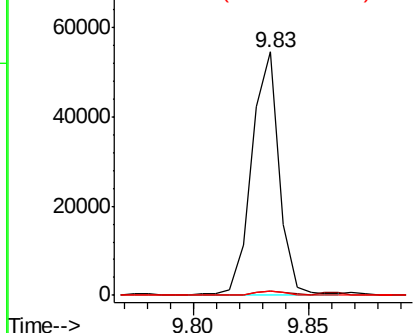
#51
 2,6-Dinitrotoluene
 Concen: 8.273 ng
 RT: 9.83 min Scan# 1317
 Delta R.T. 0.21 min
 Lab File: BF111275.D
 Acq: 11 Dec 2018 13:36

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
165	100		
63	1.9	40.5	60.7#
89	1.7	40.0	60.0#

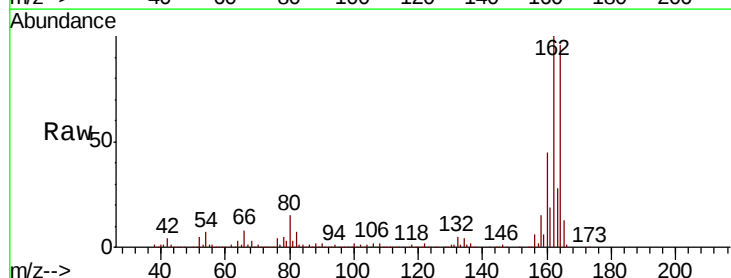


Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BF1
 Ion 89.00 (88.70 to 89.70): BF1

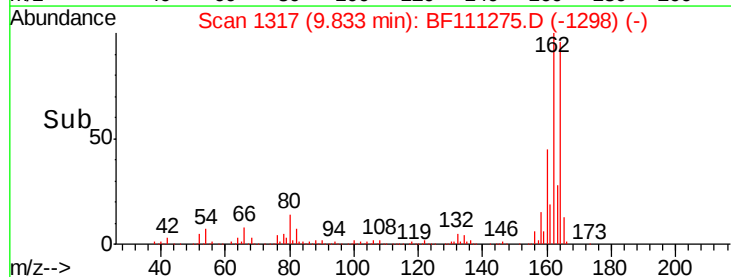
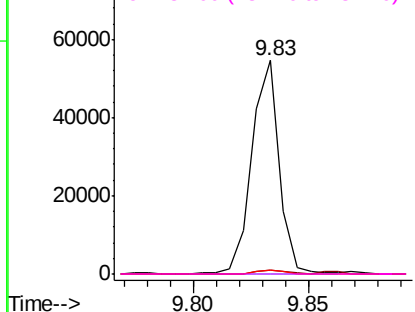


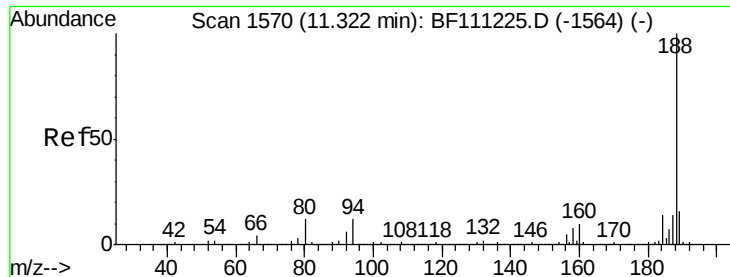
#57
 2,4-Dinitrotoluene
 Concen: 6.711 ng
 RT: 9.83 min Scan# 1317
 Delta R.T. -0.19 min
 Lab File: BF111275.D
 Acq: 11 Dec 2018 13:36

Tgt Ion	Ratio	Lower	Upper
165	100		
63	1.9	34.6	52.0#
89	1.7	56.2	84.4#
182	0.0	1.8	2.6#



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

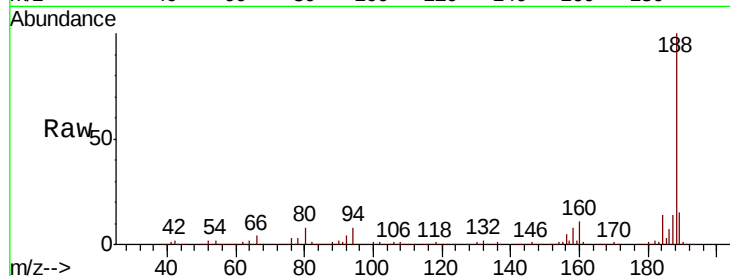




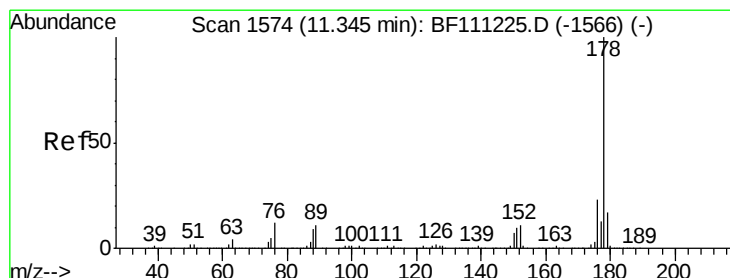
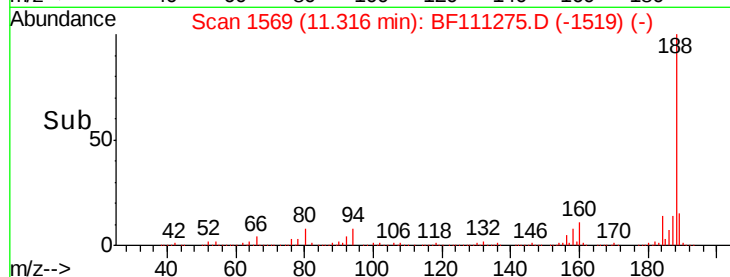
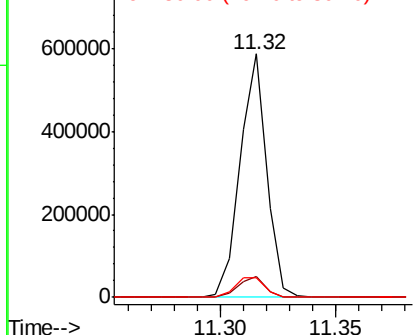
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.32 min Scan# 1569
Delta R.T. -0.01 min
Lab File: BF111275.D
Acq: 11 Dec 2018 13:36

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
188	100		
94	8.3	9.6	14.4#
80	7.9	9.8	14.6#

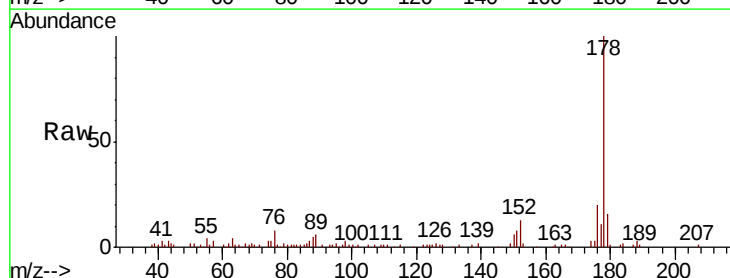


Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BF1
Ion 80.00 (79.70 to 80.70): BF1

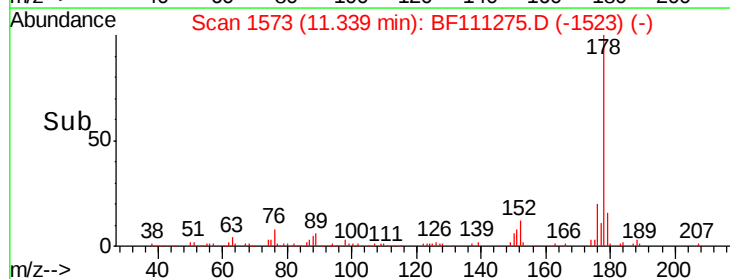
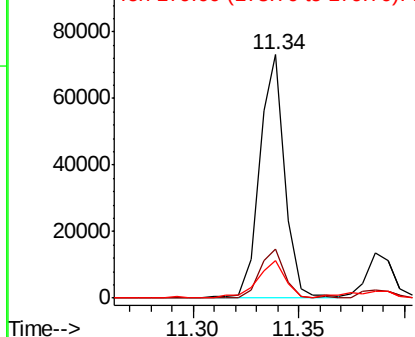


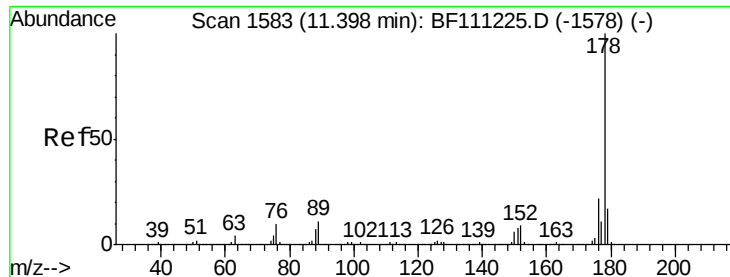
#71
Phenanthrene
Concen: 2.532 ng
RT: 11.34 min Scan# 1573
Delta R.T. -0.01 min
Lab File: BF111275.D
Acq: 11 Dec 2018 13:36

Tgt Ion	Ratio	Lower	Upper
178	100		
176	19.9	18.1	27.1
179	15.6	14.0	21.0



Abundance Ion 178.00 (177.70 to 178.70): E
Ion 176.00 (175.70 to 176.70): E
Ion 179.00 (178.70 to 179.70): E





#72

Anthracene

Concen: 2.420 ng

RT: 11.34 min Scan# 1573

Delta R.T. -0.06 min

Lab File: BF111275.D

Acq: 11 Dec 2018 13:36

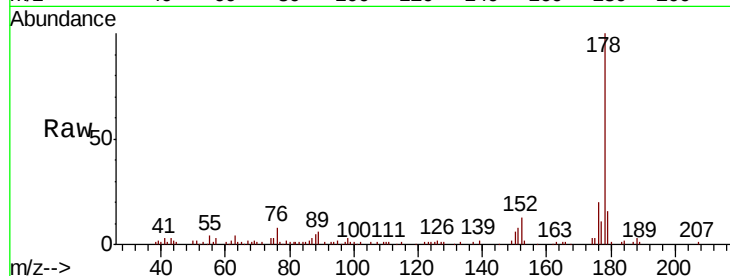
Instrument :

BNA_F

ClientSampled :

Tot Ion:178 Resp: 60227

Ion	Ratio	Lower	Upper
178	100		
176	19.9	17.2	25.8
179	15.6	13.8	20.8

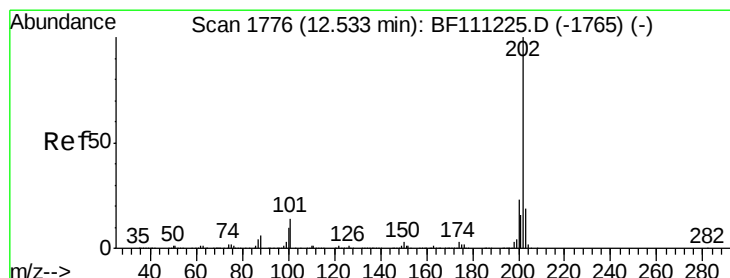
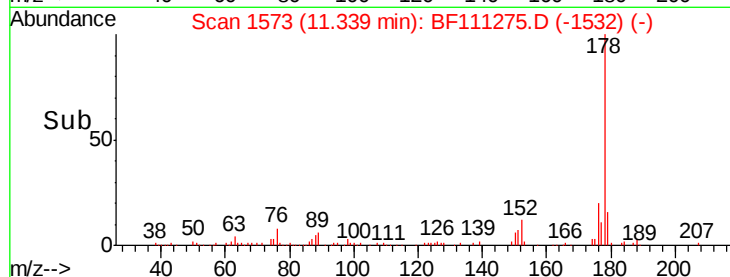
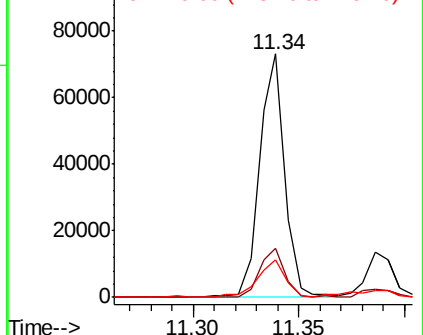


Abundance

Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



#75

Fluoranthene

Concen: 4.492 ng

RT: 12.53 min Scan# 1775

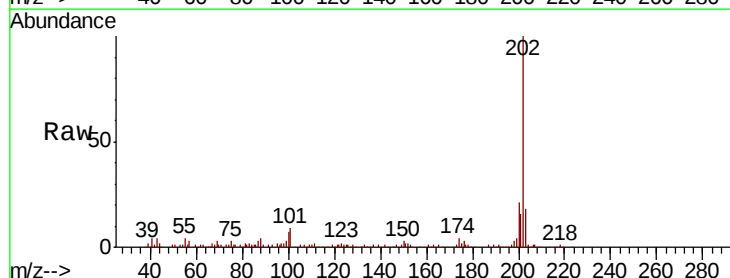
Delta R.T. -0.01 min

Lab File: BF111275.D

Acq: 11 Dec 2018 13:36

Tgt Ion:202 Resp: 97618

Ion	Ratio	Lower	Upper
202	100		
101	9.1	0.0	33.8
203	17.8	0.0	38.6

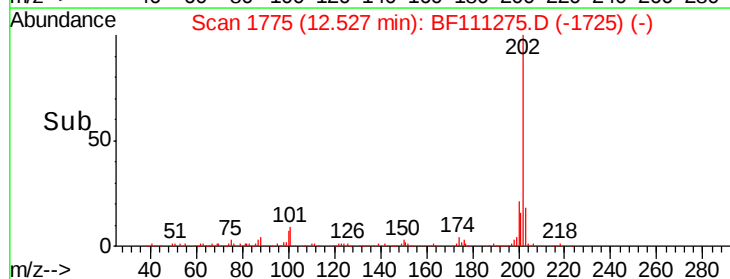
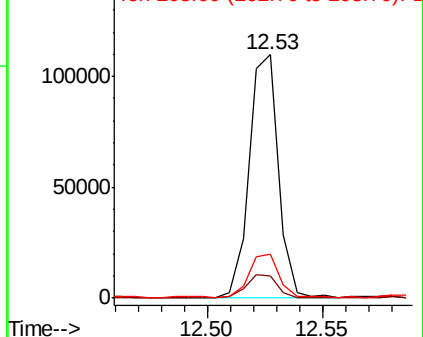


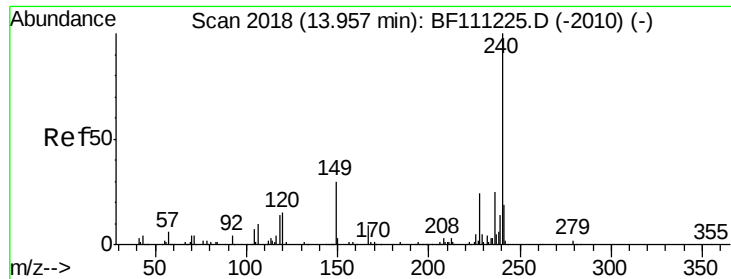
Abundance

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

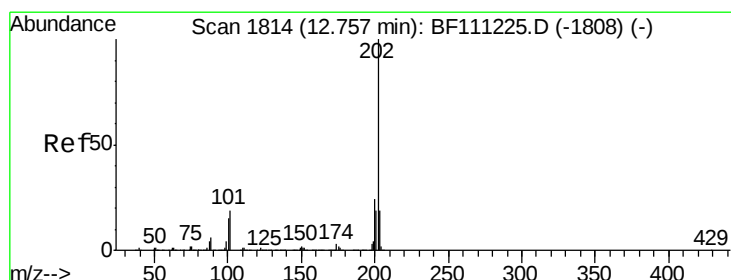
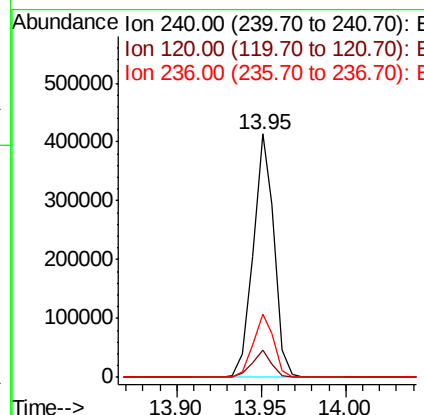
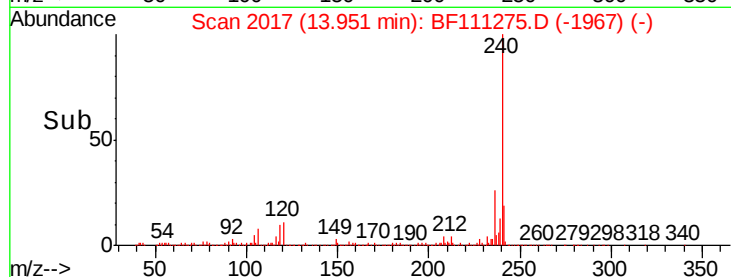
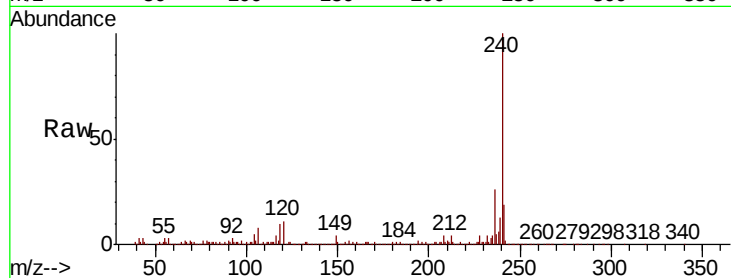




#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.95 min Scan# 2017
Delta R.T. -0.01 min
Lab File: BF111275.D
Acq: 11 Dec 2018 13:36

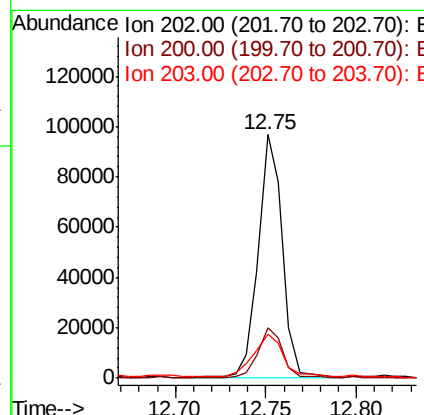
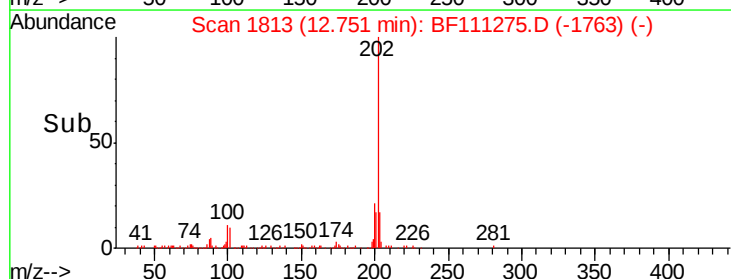
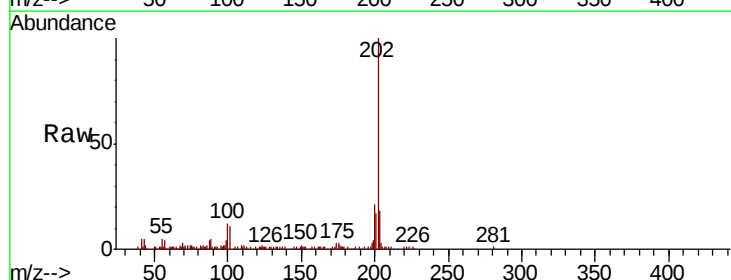
Instrument :
BNA_F
ClientSampleId :

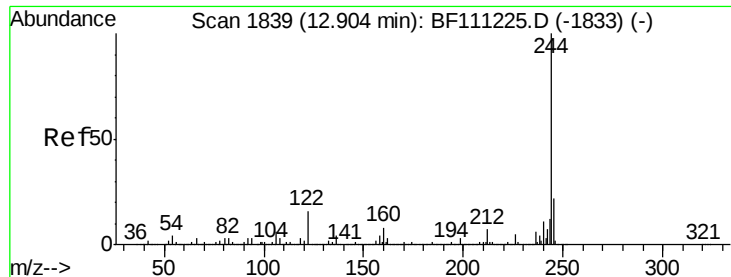
Tot Ion	Ratio	Lower	Upper
240	100		
120	11.1	12.2	18.2#
236	26.0	20.2	30.2



#78
Pyrene
Concen: 3.517 ng
RT: 12.75 min Scan# 1813
Delta R.T. -0.01 min
Lab File: BF111275.D
Acq: 11 Dec 2018 13:36

Tgt Ion	Ratio	Lower	Upper
202	100		
200	20.7	19.0	28.4
203	18.1	15.2	22.8

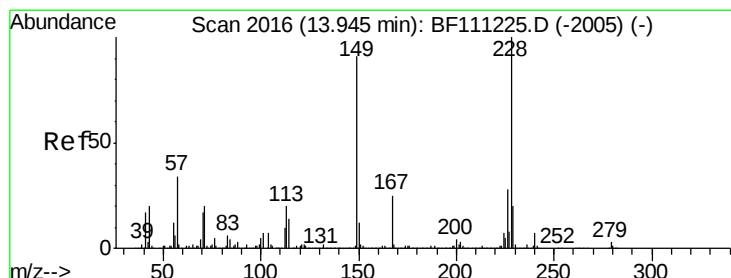
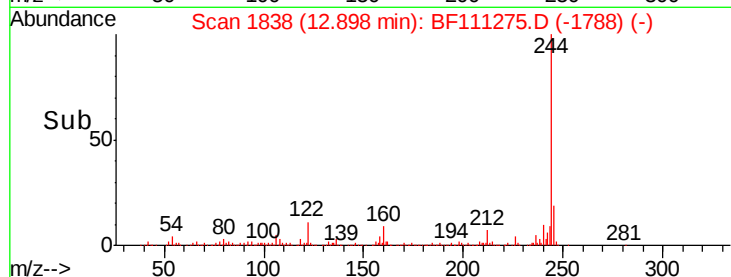
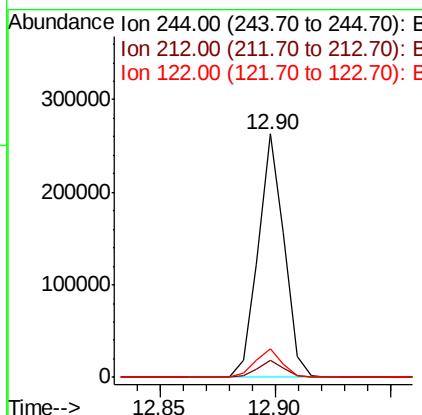
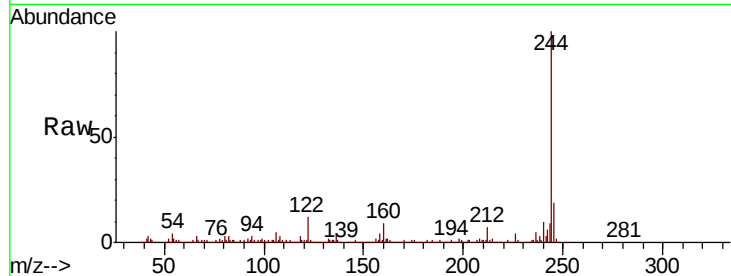




#79
 Terphenyl-d14
 Concen: 13.853 ng
 RT: 12.90 min Scan# 1838
 Delta R.T. -0.01 min
 Lab File: BF111275.D
 Acq: 11 Dec 2018 13:36

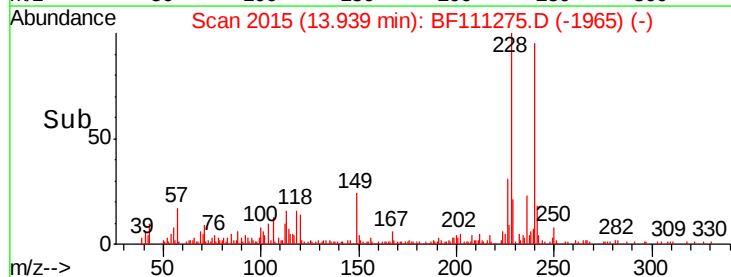
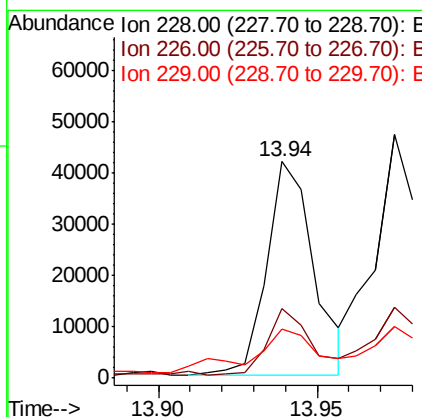
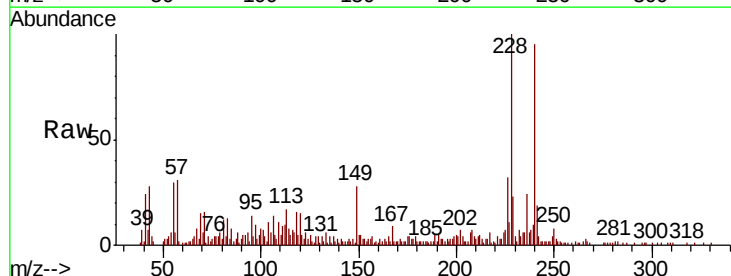
Instrument :
 BNA_F
 ClientSampleId :

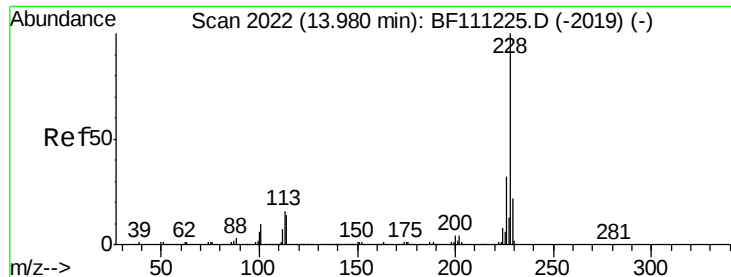
Tot Ion	Ratio	Lower	Upper
244	100		
212	6.8	5.7	8.5
122	11.6	13.1	19.7



#81
 Benzo(a)anthracene
 Concen: 2.166 ng
 RT: 13.94 min Scan# 2015
 Delta R.T. -0.01 min
 Lab File: BF111275.D
 Acq: 11 Dec 2018 13:36

Tgt Ion	Ratio	Lower	Upper
228	100		
226	31.9	22.6	34.0
229	22.8	16.3	24.5

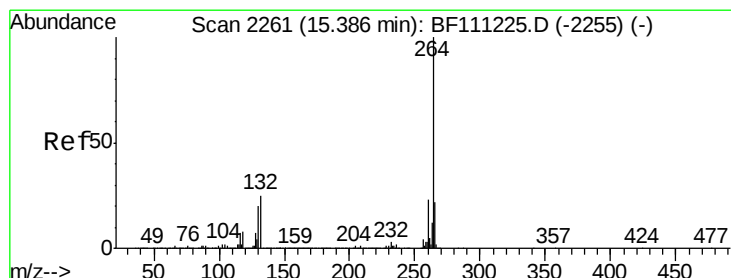
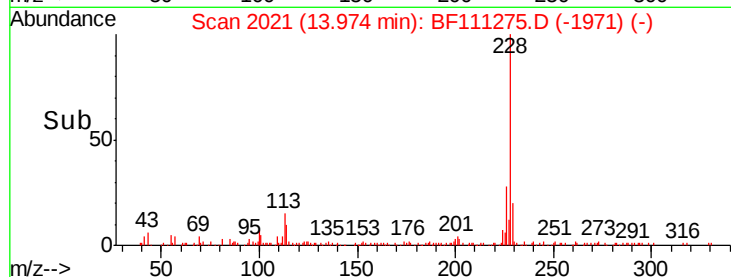
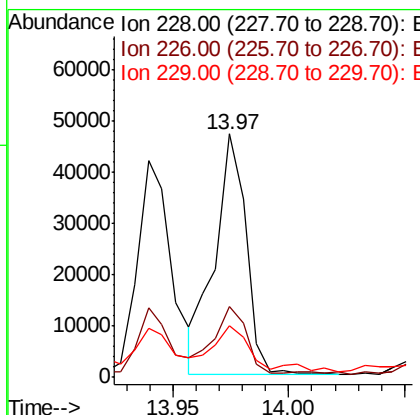
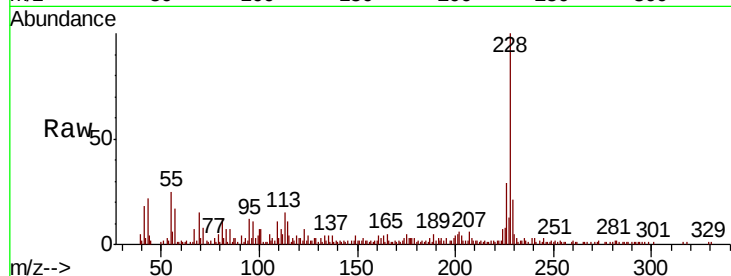




#83
Chrysene
Concen: 2.152 ng
RT: 13.97 min Scan# 2021
Delta R.T. -0.01 min
Lab File: BF111275.D
Acq: 11 Dec 2018 13:36

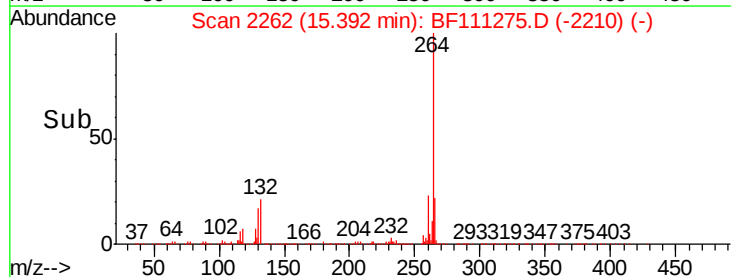
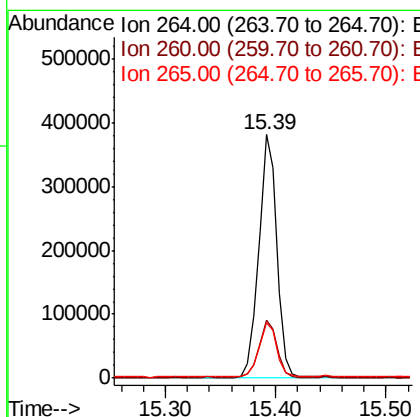
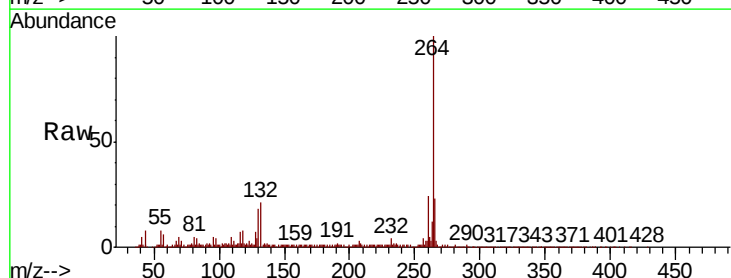
Instrument :
BNA_F
ClientSampleId :

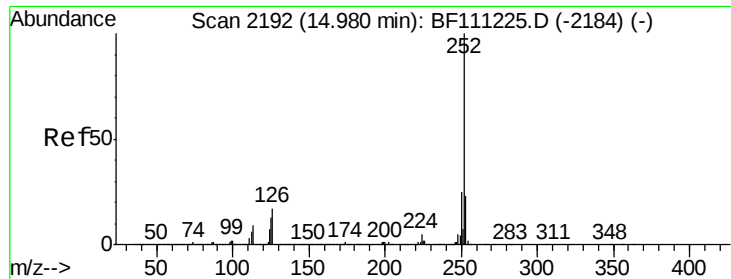
Tot Ion:228 Resp: 44366
Ion Ratio Lower Upper
228 100
226 29.1 25.3 37.9
229 21.1 17.2 25.8



#87
Perylene-d12
Concen: 20.000 ng
RT: 15.39 min Scan# 2262
Delta R.T. 0.01 min
Lab File: BF111275.D
Acq: 11 Dec 2018 13:36

Tgt Ion:264 Resp: 437524
Ion Ratio Lower Upper
264 100
260 23.7 18.3 27.5
265 22.8 17.7 26.5

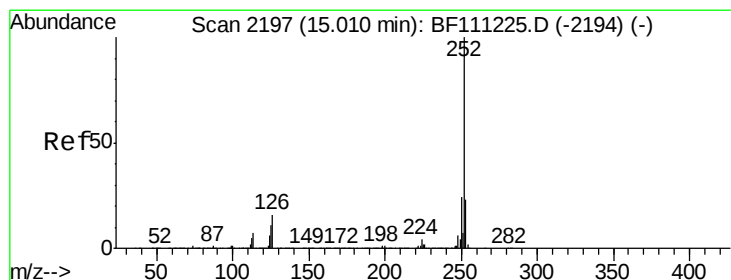
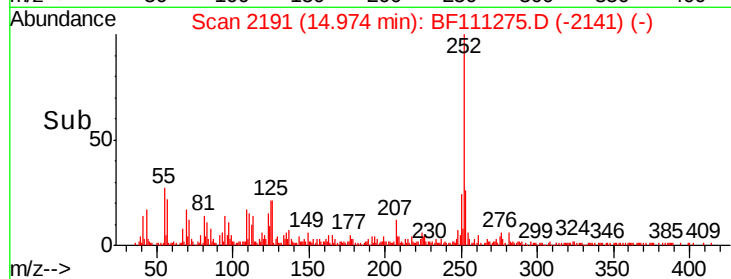
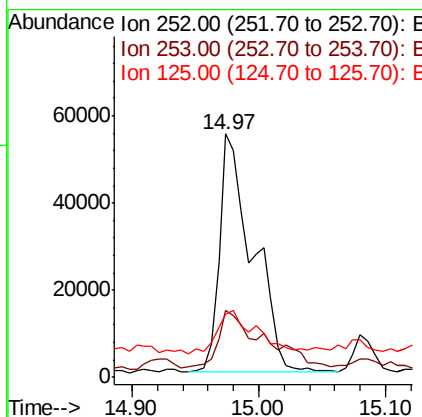
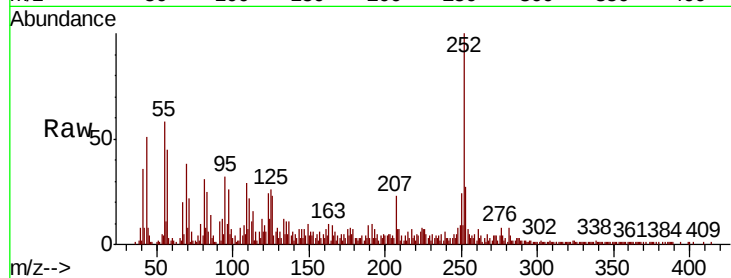




#88
Benzo(b)fluoranthene
Concen: 4.124 ng
RT: 14.97 min Scan# 2191
Delta R.T. -0.01 min
Lab File: BF111275.D
Acq: 11 Dec 2018 13:36

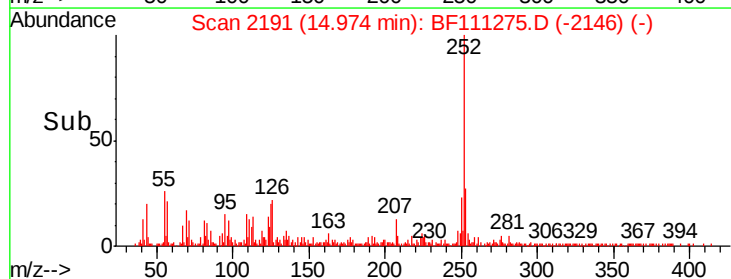
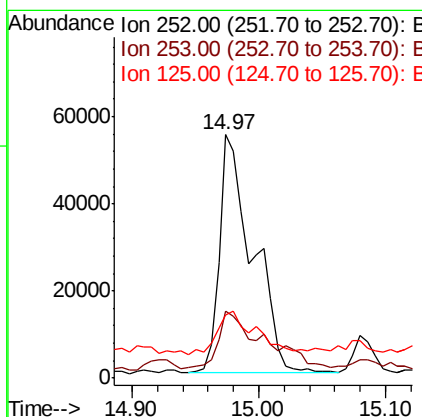
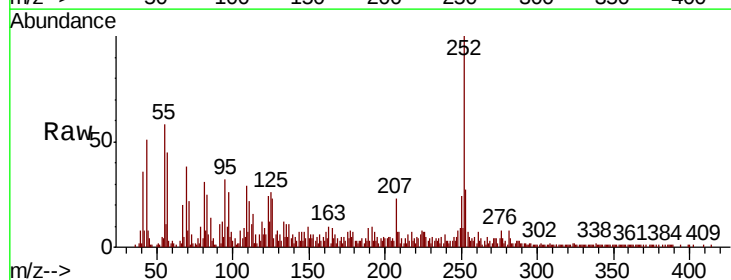
Instrument :
BNA_F
ClientSampleId :

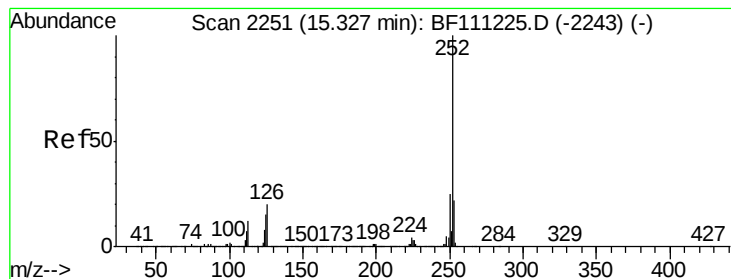
Tot Ion	Ratio	Lower	Upper
252	100		
253	27.5	18.2	27.2#
125	25.8	10.4	15.6#



#89
Benzo(k)fluoranthene
Concen: 4.387 ng
RT: 14.97 min Scan# 2191
Delta R.T. -0.04 min
Lab File: BF111275.D
Acq: 11 Dec 2018 13:36

Tgt Ion	Ratio	Lower	Upper
252	100		
253	27.5	18.1	27.1#
125	25.8	9.8	14.8#

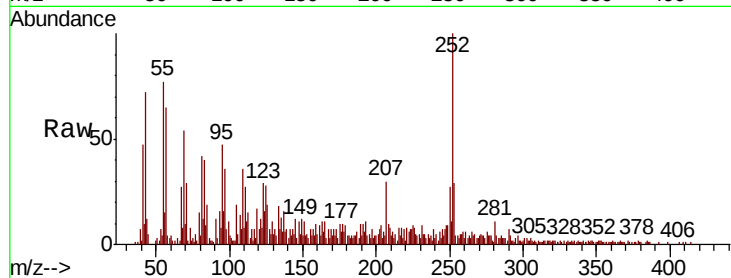




#90
 Benzo(a)pyrene
 Concen: 2.148 ng
 RT: 15.33 min Scan# 2252
 Delta R.T. 0.01 min
 Lab File: BF111275.D
 Acq: 11 Dec 2018 13:36

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
252	100		
253	28.9	17.8	26.8
125	27.6	12.3	18.5



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

