

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF121118\
 Data File : BF111276.D
 Acq On : 11 Dec 2018 14:04
 Operator : JU/SJ
 Sample : J6196-01 2X
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Dec 11 17:03:36 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	430248	20.00	ng	0.00
21) Naphthalene-d8	8.08	136	1591811	20.00	ng	0.00
39) Acenaphthene-d10	9.83	164	637805	20.00	ng	0.00
64) Phenanthrene-d10	11.32	188	905200	20.00	ng	0.00
76) Chrysene-d12	13.96	240	619564	20.00	ng	0.00
87) Perylene-d12	15.40	264	478019	20.00	ng	0.01

System Monitoring Compounds

5) 2-Fluorophenol	5.41	112	1400021	51.38	ng	0.00
7) Phenol-d6	6.43	99	1735904	51.27	ng	0.00
23) Nitrobenzene-d5	7.35	82	1031631	36.35	ng	-0.01
42) 2,4,6-Tribromophenol	10.62	330	231936	41.05	ng	-0.01
45) 2-Fluorobiphenyl	9.16	172	1543225	34.14	ng	0.00
79) Terphenyl-d14	12.90	244	1050337	40.66	ng	0.00

Target Compounds

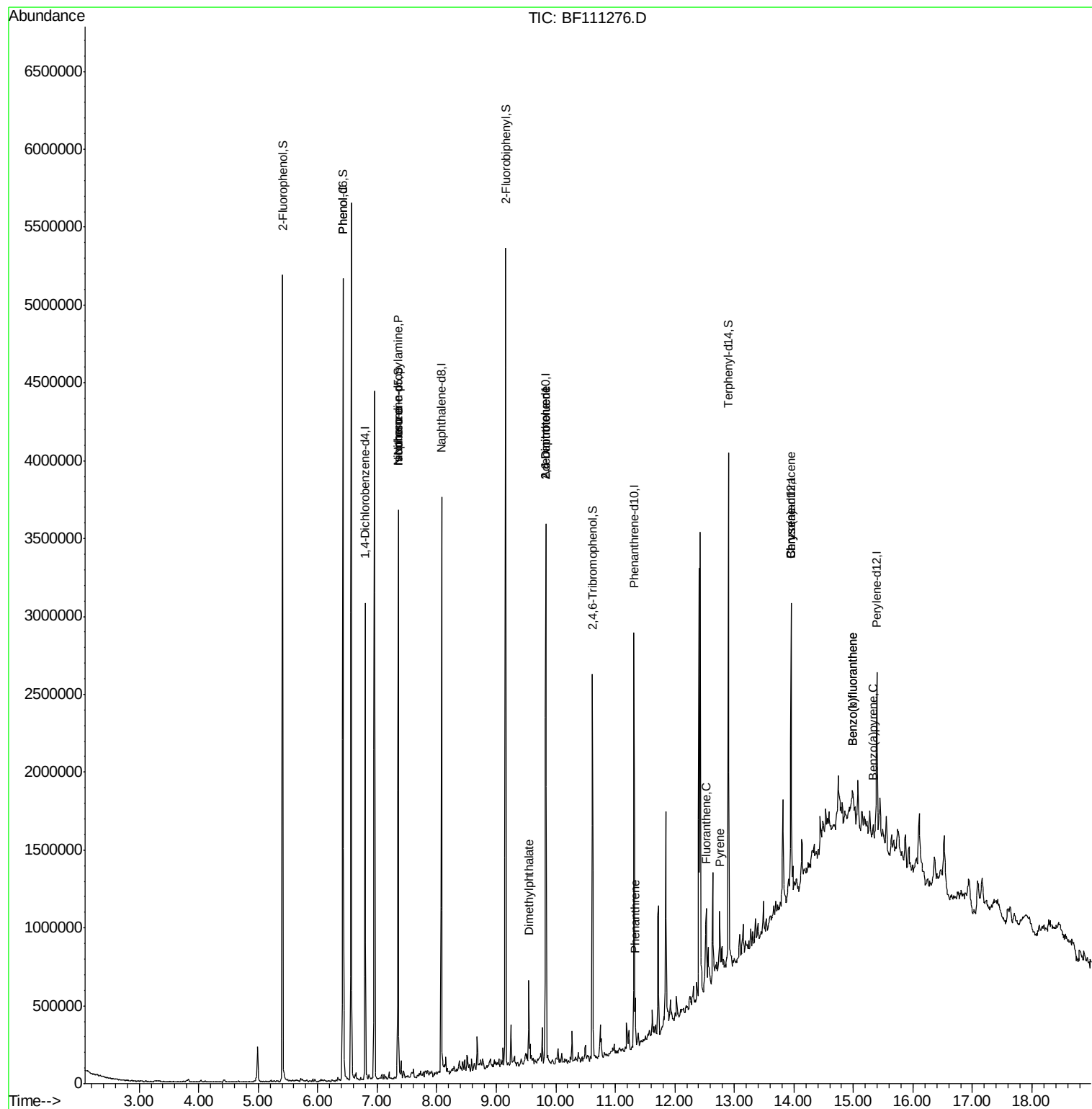
						Qvalue
9) Benzaldehyde	6.33	77	1061	Below Cal	#	1
10) Phenol	6.43	94	98709	2.493 ng		92
19) n-Nitroso-di-n-propylamine	7.35	70	133829	5.900 ng	#	78
25) Isophorone	7.35	82	1014991	20.998 ng	#	64
46) 1,1'-Biphenyl	9.25	154	5706	Below Cal		87
50) Dimethylphthalate	9.55	163	167166	3.552 ng		100
51) 2,6-Dinitrotoluene	9.83	165	84376	8.119 ng	#	30
57) 2,4-Dinitrotoluene	9.83	165	84376	6.586 ng	#	25
71) Phenanthrene	11.34	178	95650	2.095 ng		95
75) Fluoranthene	12.53	202	185334	4.444 ng		99
78) Pyrene	12.76	202	169703	3.833 ng		94
81) Benzo(a)anthracene	13.94	228	77713	2.248 ng	#	93
83) Chrysene	13.94	228	77713	2.181 ng		97
88) Benzo(b)fluoranthene	14.98	252	101038	3.822 ng	#	63
89) Benzo(k)fluoranthene	14.98	252	101038	4.065 ng	#	62
90) Benzo(a)pyrene	15.33	252	49590	2.037 ng	#	72

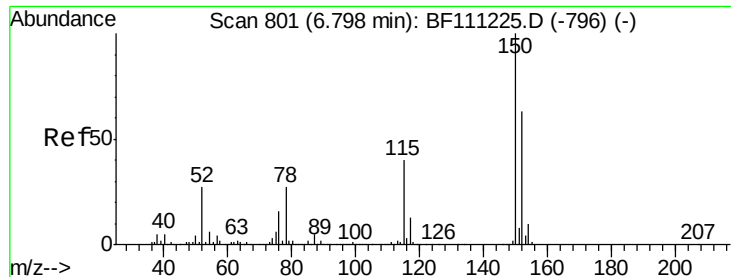
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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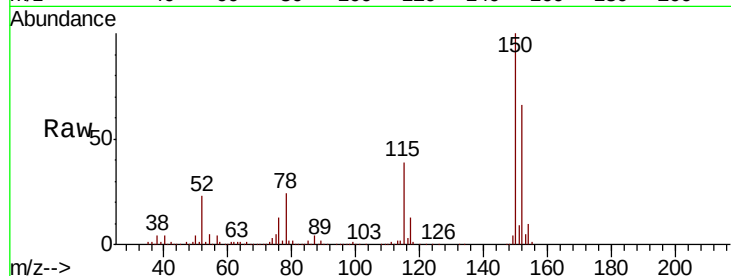


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.80 min Scan# 801
Delta R.T. -0.00 min
Lab File: BF111276.D
Acq: 11 Dec 2018 14:04

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
152	100		
150	151.4	126.6	189.8
115	59.4	50.7	76.1

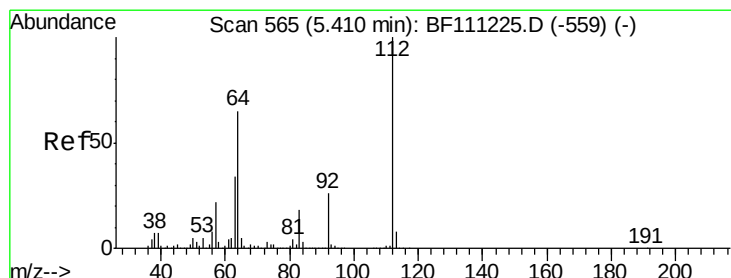
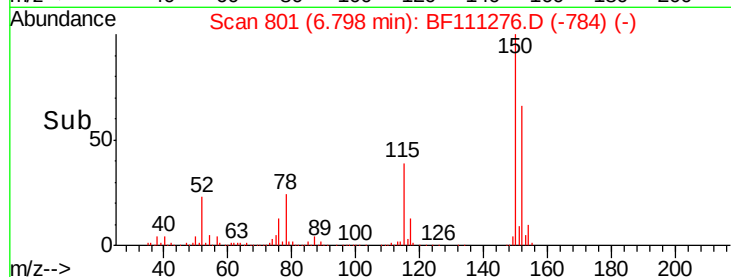
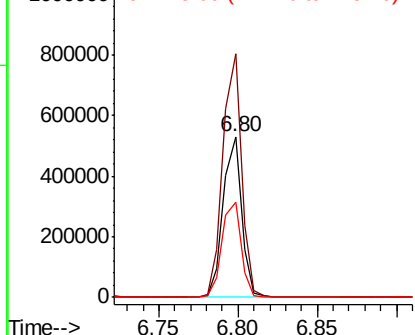


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

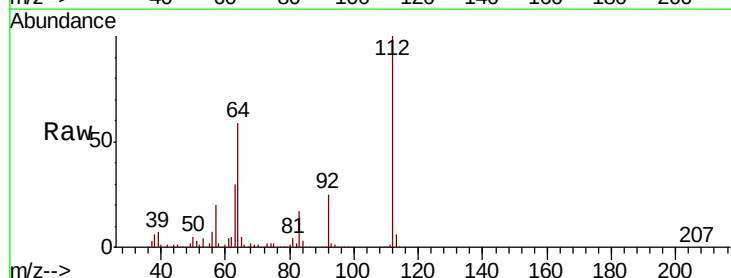
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 51.383 ng
RT: 5.41 min Scan# 565
Delta R.T. -0.00 min
Lab File: BF111276.D
Acq: 11 Dec 2018 14:04

Tgt Ion	Ratio	Lower	Upper
112	100		
64	59.4	51.8	77.6
63	30.3	26.8	40.2

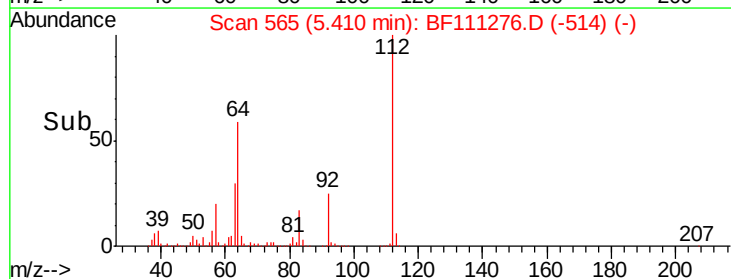
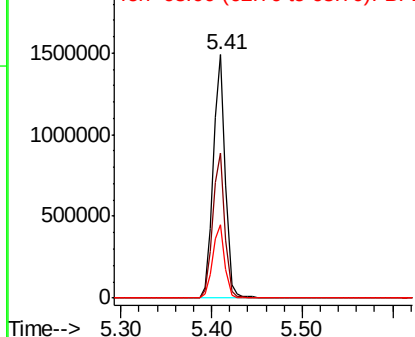


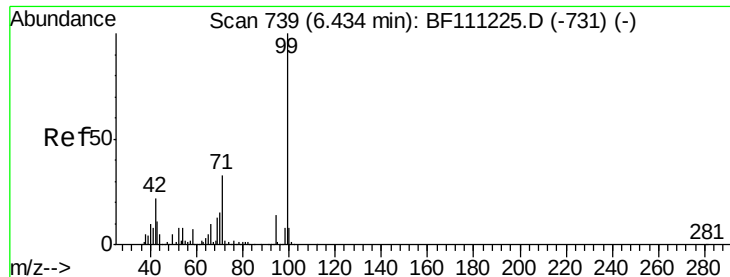
Abundance

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: 51.265 ng

RT: 6.43 min Scan# 738

Delta R.T. -0.01 min

Lab File: BF111276.D

Acq: 11 Dec 2018 14:04

Instrument :

BNA_F

ClientSampled :

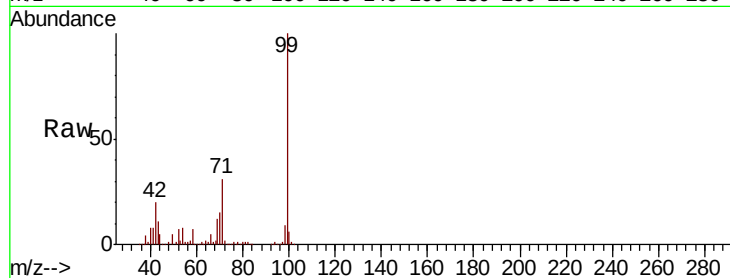
Tot Ion: 99 Resp: 1735904

Ion Ratio Lower Upper

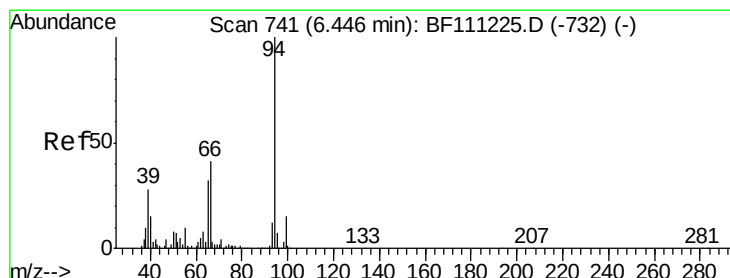
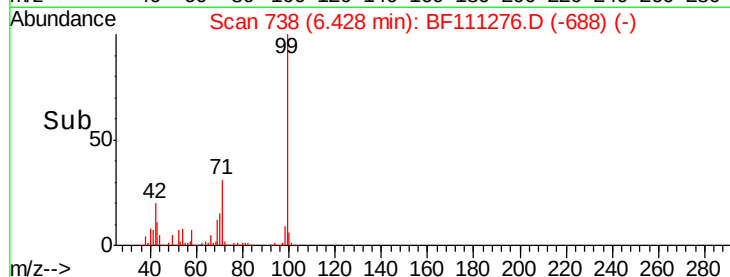
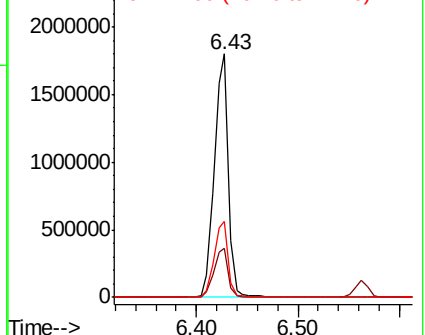
99 100

42 20.2 17.4 26.0

71 31.1 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



#10

Phenol

Concen: 2.493 ng

RT: 6.43 min Scan# 739

Delta R.T. -0.01 min

Lab File: BF111276.D

Acq: 11 Dec 2018 14:04

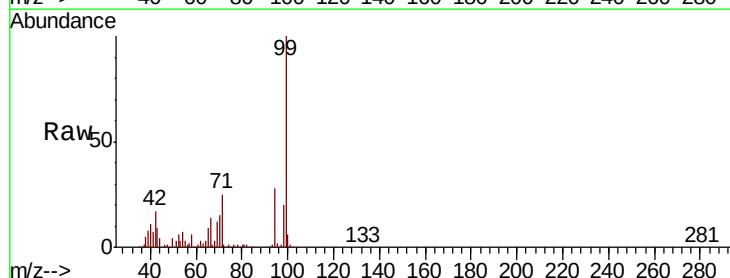
Tgt Ion: 94 Resp: 98709

Ion Ratio Lower Upper

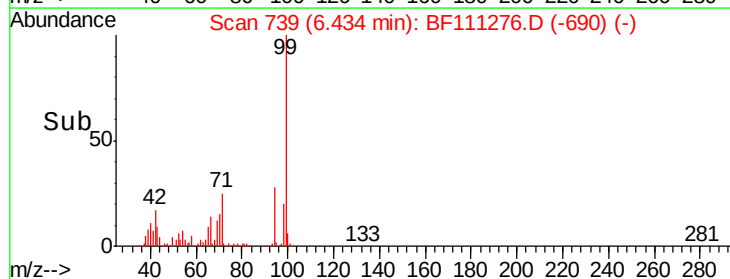
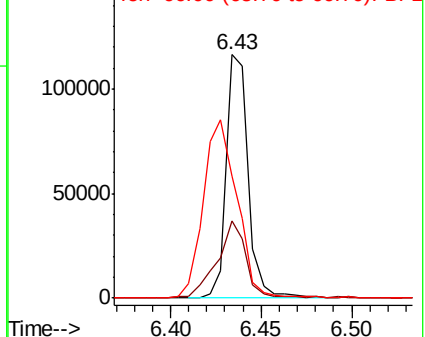
94 100

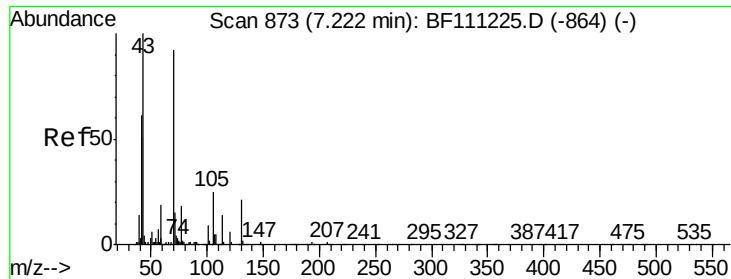
65 31.6 11.7 51.7

66 50.1 21.0 61.0



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

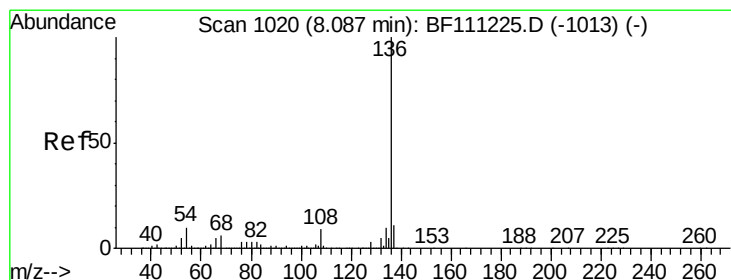
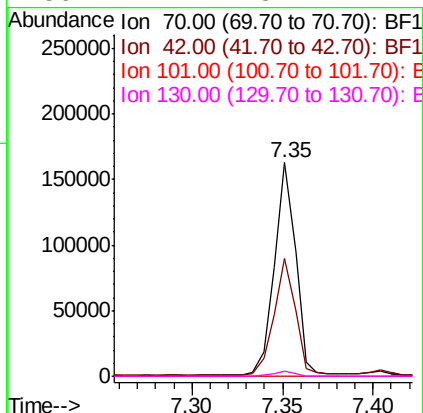
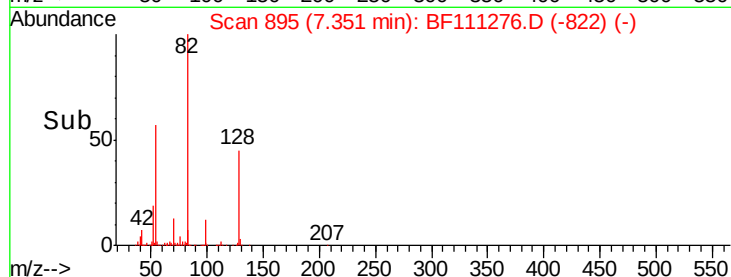
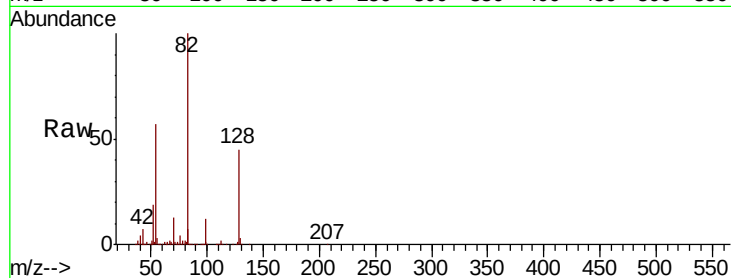




#19
n-Nitroso-di-n-propylamine
Concen: 5.900 ng
RT: 7.35 min Scan# 895
Delta R.T. 0.13 min
Lab File: BF111276.D
Acq: 11 Dec 2018 14:04

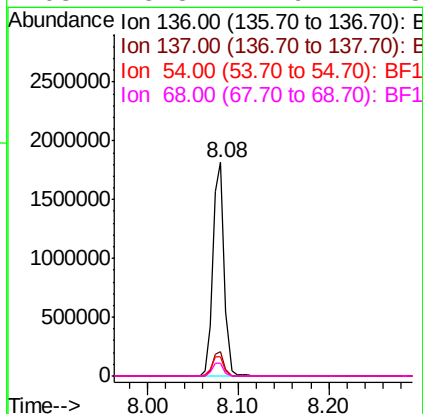
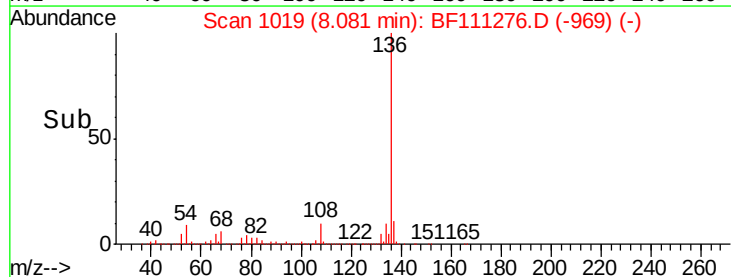
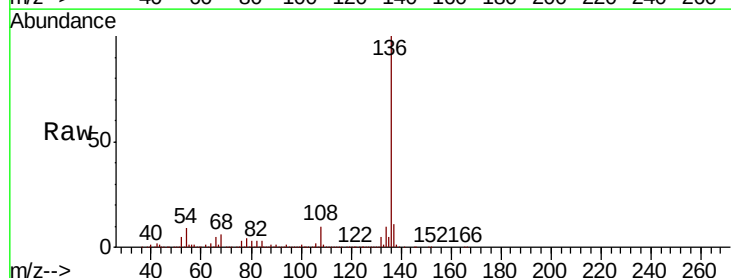
Instrument :
BNA_F
ClientSampled :

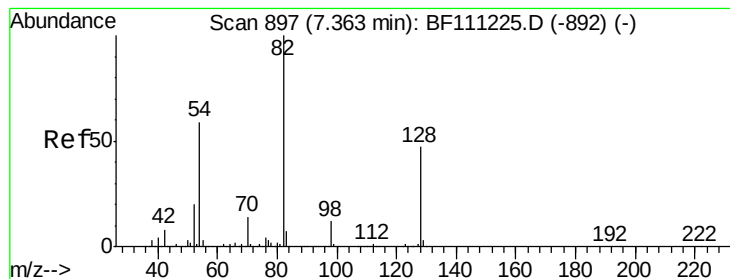
Tot Ion	Ratio	Lower	Upper
70	100		
42	54.9	53.2	79.8
101	0.0	8.2	12.4#
130	2.2	18.1	27.1#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.08 min Scan# 1019
Delta R.T. -0.01 min
Lab File: BF111276.D
Acq: 11 Dec 2018 14:04

Tgt Ion	Ratio	Lower	Upper
136	100		
137	11.5	9.1	13.7
54	8.9	7.7	11.5
68	5.8	4.9	7.3





#23

Nitrobenzene-d5

Concen: 36.350 ng

RT: 7.35 min Scan# 895

Delta R.T. -0.01 min

Lab File: BF111276.D

Acq: 11 Dec 2018 14:04

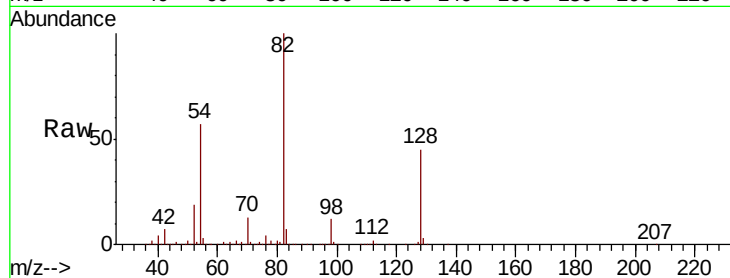
Instrument :

BNA_F

ClientSampleId :

Tot Ion: 82 Resp: 1031631

Ion	Ratio	Lower	Upper
82	100		
128	44.9	37.4	56.2
54	56.6	47.6	71.4

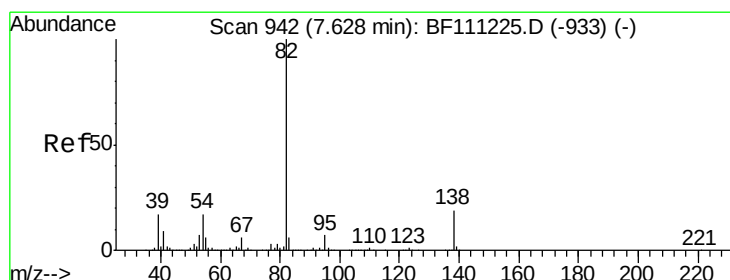
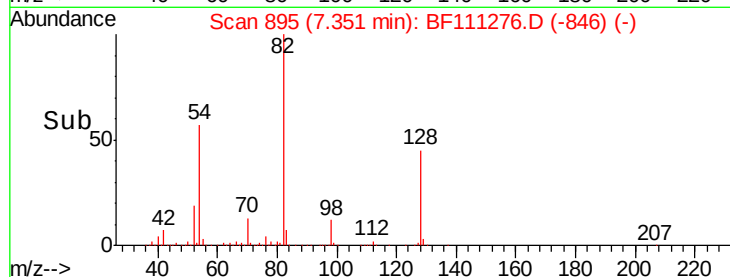
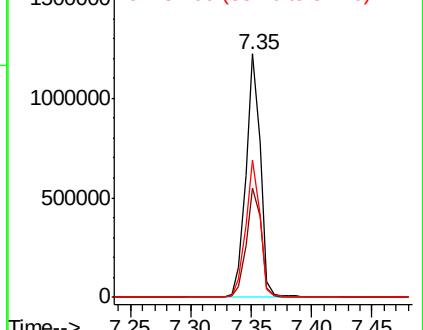


Abundance

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: 20.998 ng

RT: 7.35 min Scan# 895

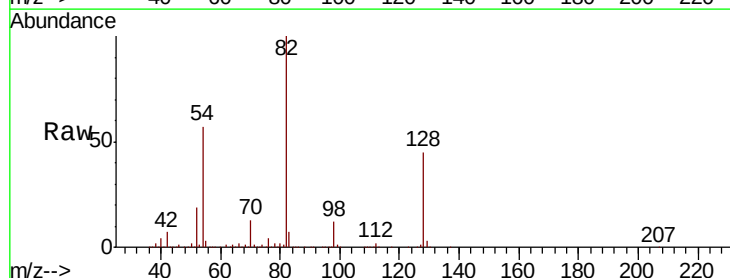
Delta R.T. -0.28 min

Lab File: BF111276.D

Acq: 11 Dec 2018 14:04

Tgt Ion: 82 Resp: 1014991

Ion	Ratio	Lower	Upper
82	100		
95	0.1	5.4	8.2#
138	0.0	15.1	22.7#

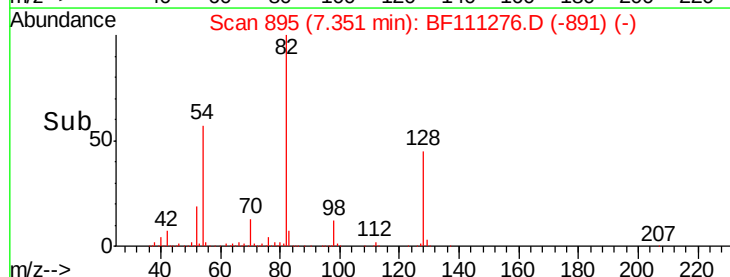
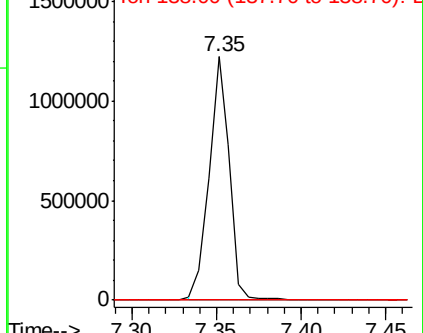


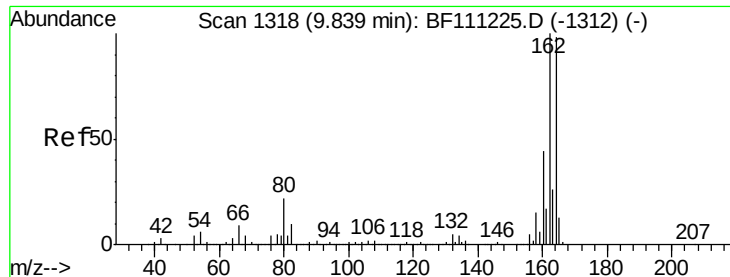
Abundance

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

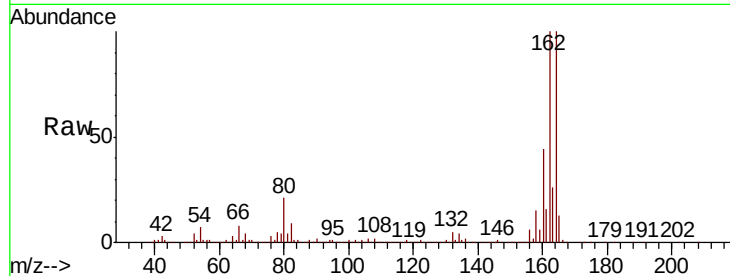




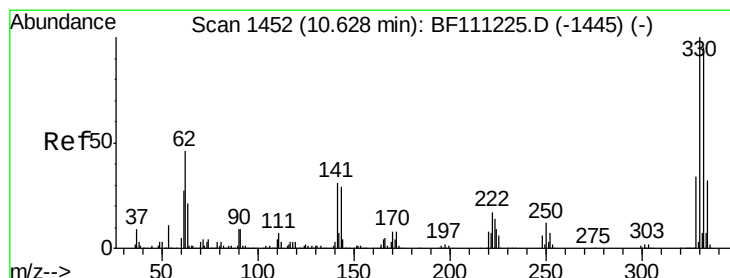
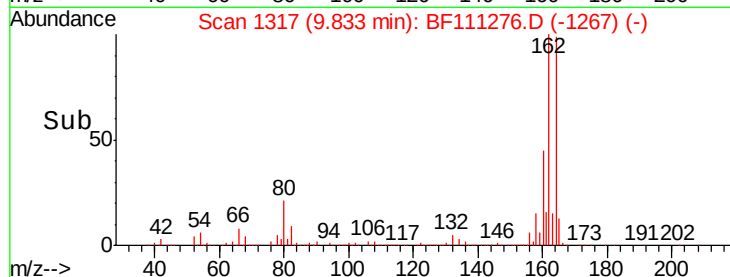
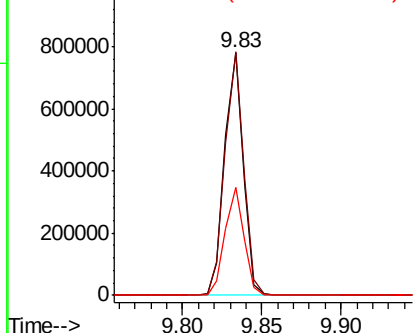
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.83 min Scan# 1317
Delta R.T. -0.01 min
Lab File: BF111276.D
Acq: 11 Dec 2018 14:04

Instrument :
BNA_F
ClientSampleId :

Tot Ion:164 Resp: 637805
Ion Ratio Lower Upper
164 100
162 100.2 81.4 122.0
160 44.6 35.7 53.5

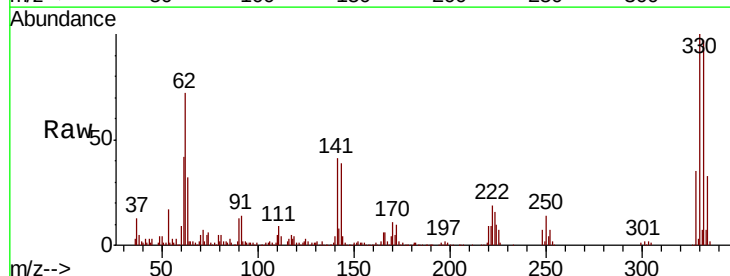


Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E

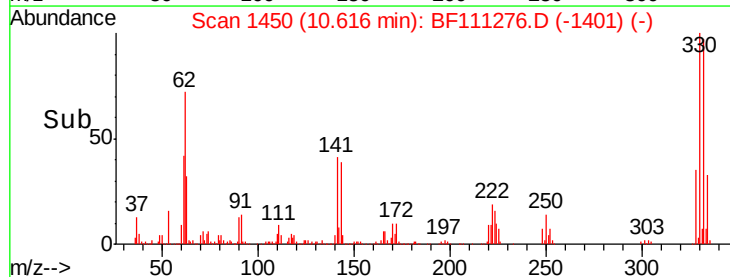
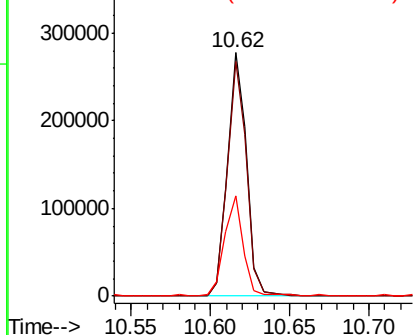


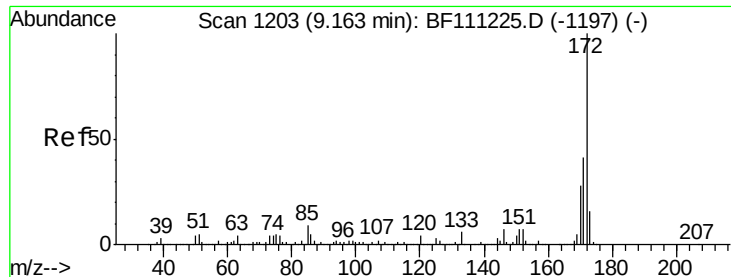
#42
2,4,6-Tribromophenol
Concen: 41.052 ng
RT: 10.62 min Scan# 1450
Delta R.T. -0.01 min
Lab File: BF111276.D
Acq: 11 Dec 2018 14:04

Tgt Ion:330 Resp: 231936
Ion Ratio Lower Upper
330 100
332 96.8 76.0 114.0
141 39.7 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

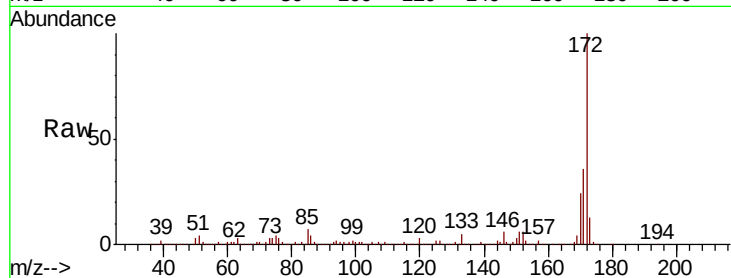




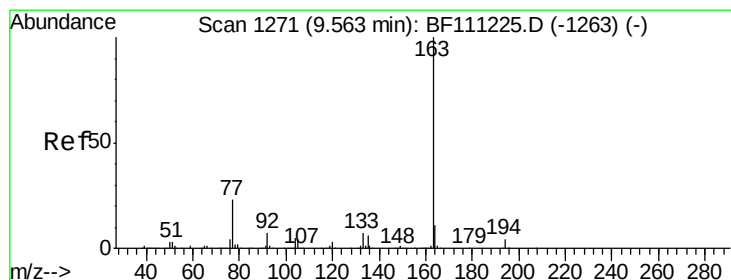
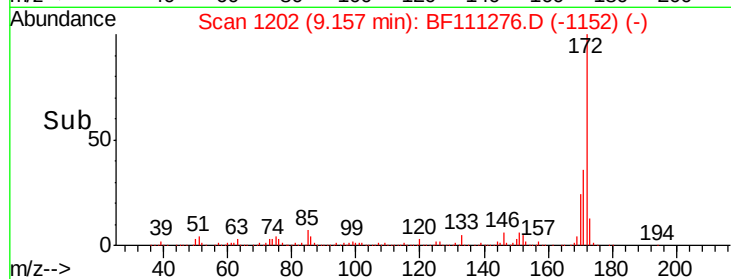
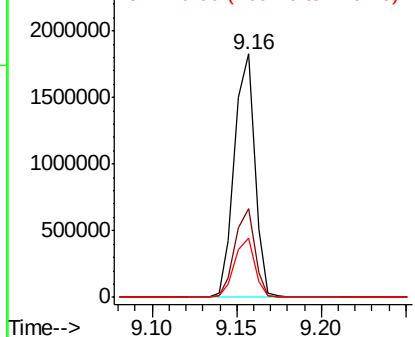
#45
2-Fluorobiphenyl
Concen: 34.138 ng
RT: 9.16 min Scan# 1202
Delta R.T. -0.01 min
Lab File: BF111276.D
Acq: 11 Dec 2018 14:04

Instrument :
BNA_F
ClientSampled :

Tot Ion:172 Resp: 1543225
Ion Ratio Lower Upper
172 100
171 36.3 33.0 49.4
170 24.5 22.3 33.5

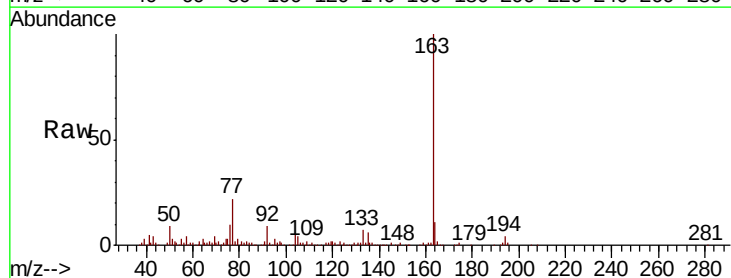


Abundance Ion 172.00 (171.70 to 172.70): E
2500000 Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

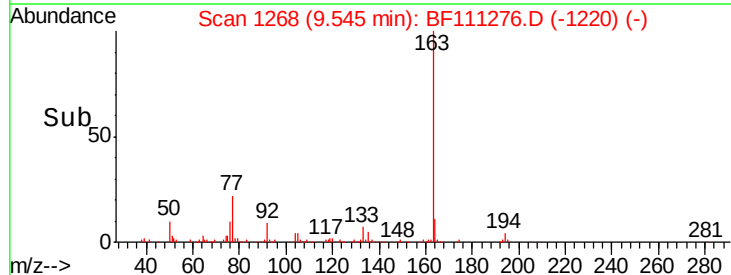
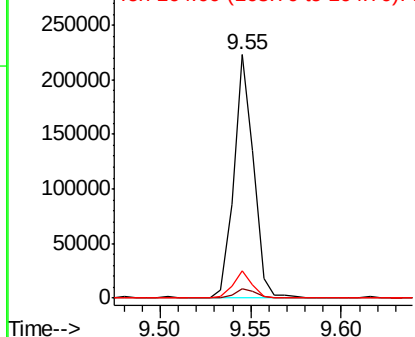


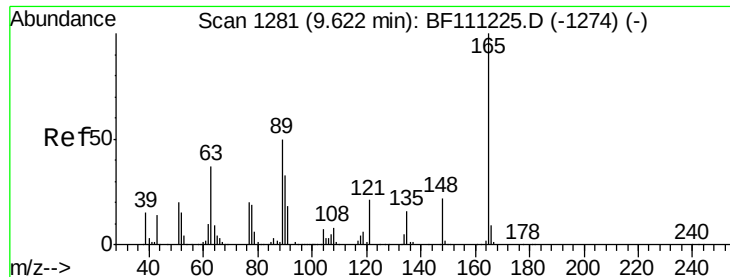
#50
Dimethylphthalate
Concen: 3.552 ng
RT: 9.55 min Scan# 1268
Delta R.T. -0.02 min
Lab File: BF111276.D
Acq: 11 Dec 2018 14:04

Tgt Ion:163 Resp: 167166
Ion Ratio Lower Upper
163 100
194 3.7 3.0 4.6
164 11.0 8.9 13.3



Abundance Ion 163.00 (162.70 to 163.70): E
300000 Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E





#51

2,6-Dinitrotoluene

Concen: 8.119 ng

RT: 9.83 min Scan# 1317

Delta R.T. 0.21 min

Lab File: BF111276.D

Acq: 11 Dec 2018 14:04

Instrument :

BNA_F

ClientSampled :

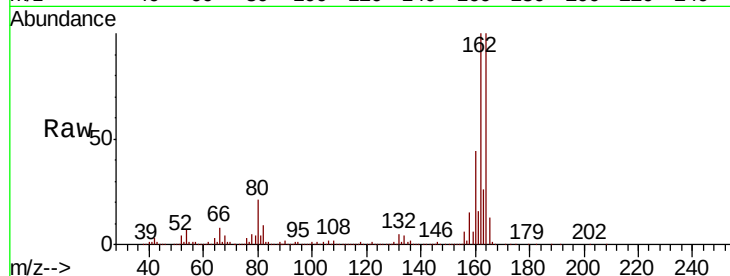
Tot Ion:165 Resp: 84376

Ion Ratio Lower Upper

165 100

63 1.4 40.5 60.7#

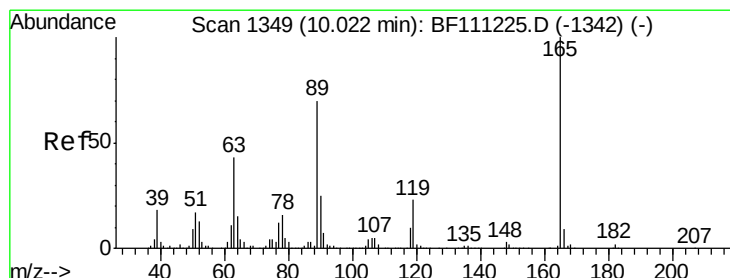
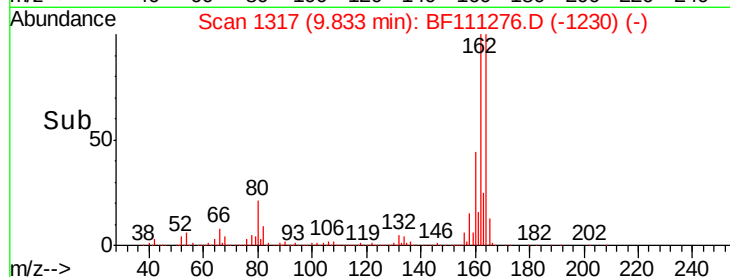
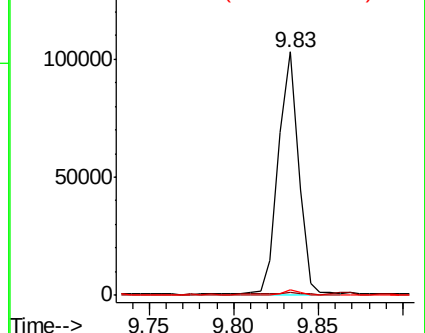
89 2.4 40.0 60.0#



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: 6.586 ng

RT: 9.83 min Scan# 1317

Delta R.T. -0.19 min

Lab File: BF111276.D

Acq: 11 Dec 2018 14:04

Tgt Ion:165 Resp: 84376

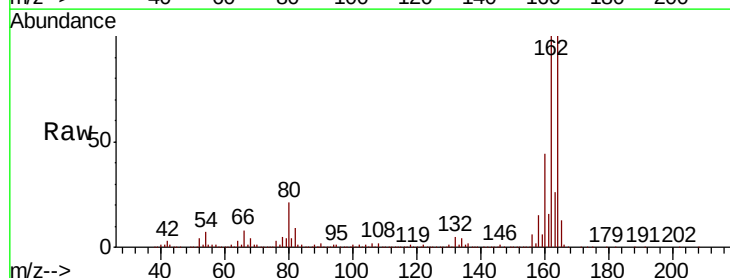
Ion Ratio Lower Upper

165 100

63 1.4 34.6 52.0#

89 2.4 56.2 84.4#

182 0.7 1.8 2.6#

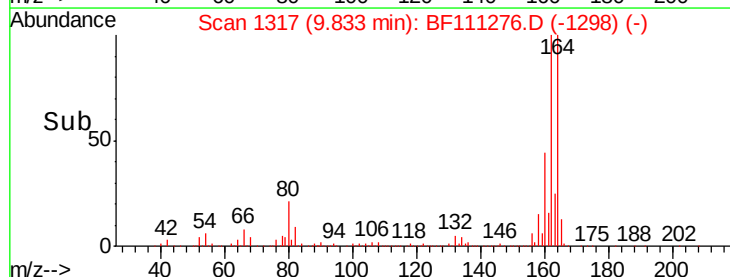
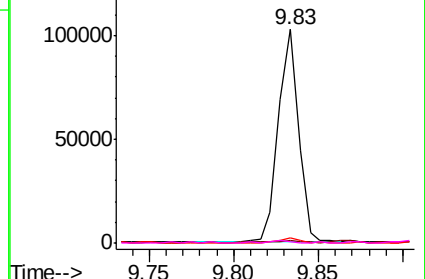


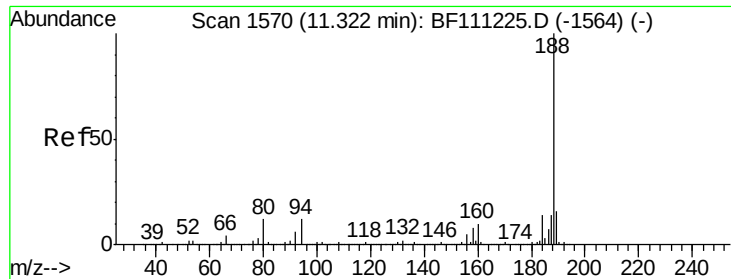
Abundance Ion 165.00 (164.70 to 165.70): E

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: BF111276.D

Acq: 11 Dec 2018 14:04

Instrument :

BNA_F

ClientSampled :

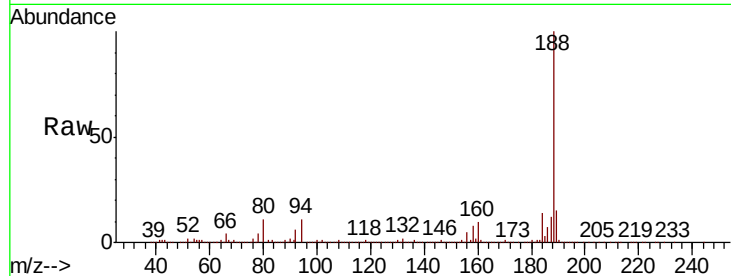
Tot Ion:188 Resp: 905200

Ion Ratio Lower Upper

188 100

94 11.3 9.6 14.4

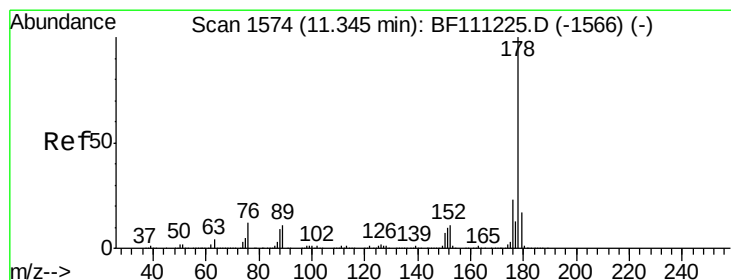
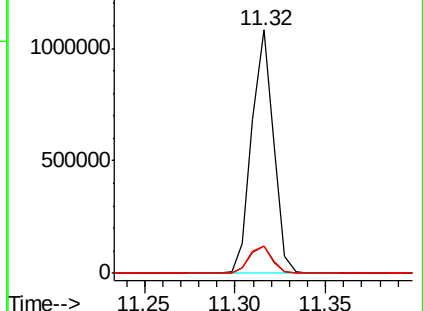
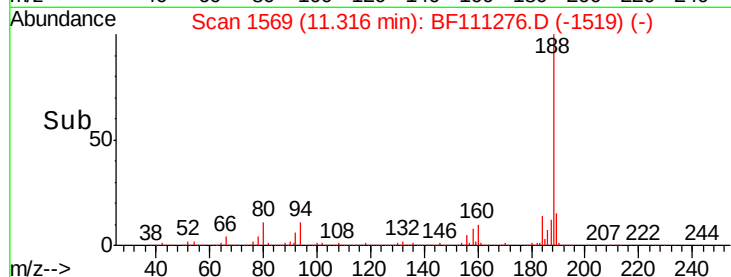
80 11.2 9.8 14.6



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: 2.095 ng

RT: 11.34 min Scan# 1573

Delta R.T. -0.01 min

Lab File: BF111276.D

Acq: 11 Dec 2018 14:04

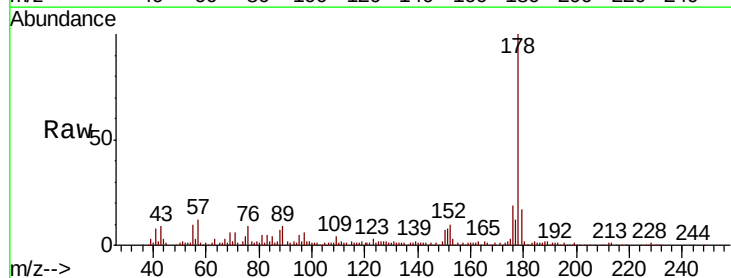
Tgt Ion:178 Resp: 95650

Ion Ratio Lower Upper

178 100

176 19.0 18.1 27.1

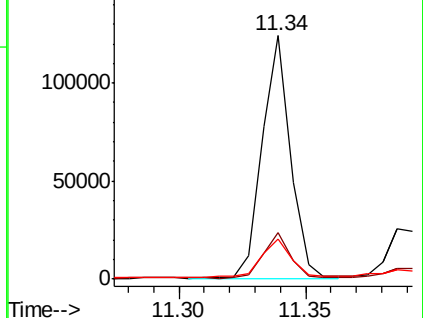
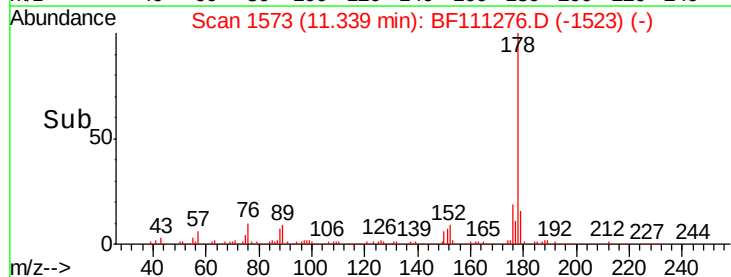
179 16.5 14.0 21.0

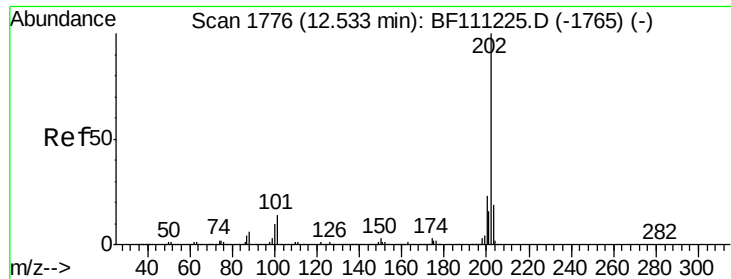


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#75

Fluoranthene

Concen: 4.444 ng

RT: 12.53 min Scan# 1775

Delta R.T. -0.01 min

Lab File: BF111276.D

Acq: 11 Dec 2018 14:04

Instrument :

BNA_F

ClientSampleId :

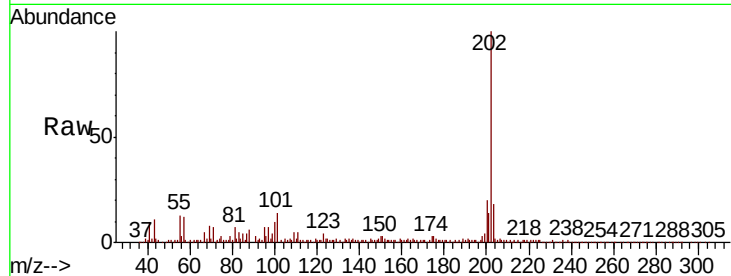
Tot Ion:202 Resp: 185334

Ion Ratio Lower Upper

202 100

101 14.0 0.0 33.8

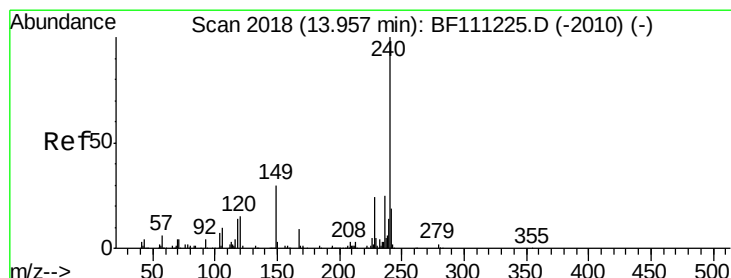
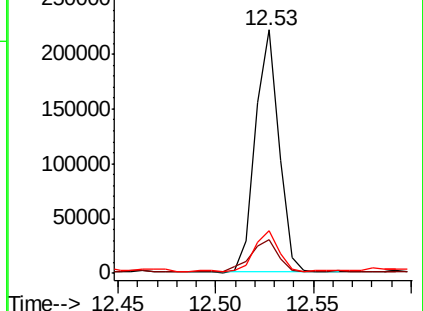
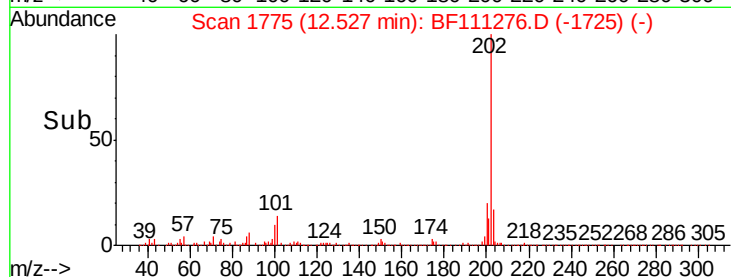
203 17.6 0.0 38.6



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: 13.96 min Scan# 2018

Delta R.T. -0.00 min

Lab File: BF111276.D

Acq: 11 Dec 2018 14:04

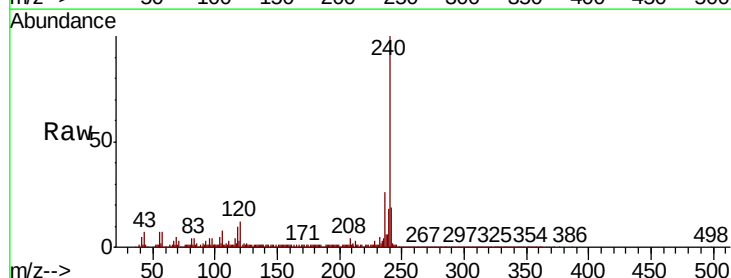
Tgt Ion:240 Resp: 619564

Ion Ratio Lower Upper

240 100

120 12.2 12.2 18.2

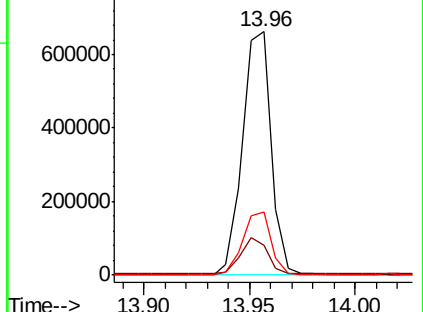
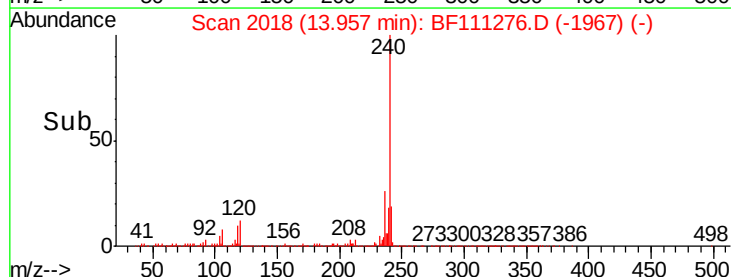
236 25.7 20.2 30.2

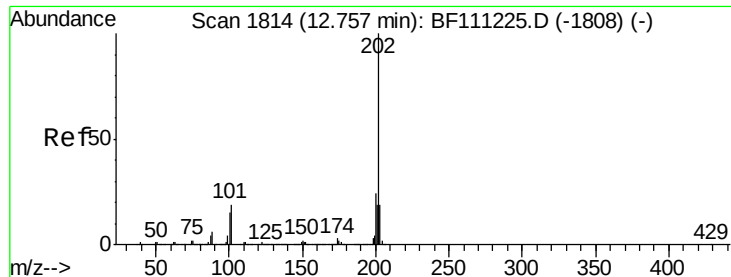


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E

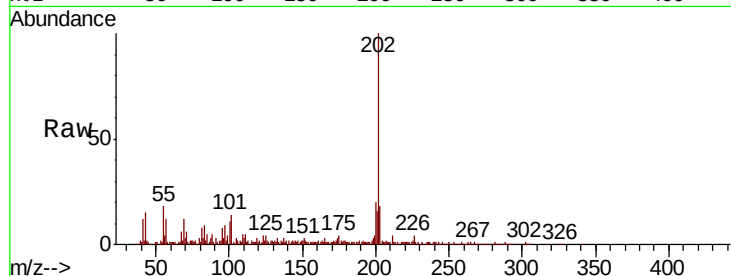




#78
Pvrene
Concen: 3.833 ng
RT: 12.76 min Scan# 1814
Delta R.T. -0.00 min
Lab File: BF111276.D
Acq: 11 Dec 2018 14:04

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
202	100		
200	19.7	19.0	28.4
203	17.6	15.2	22.8

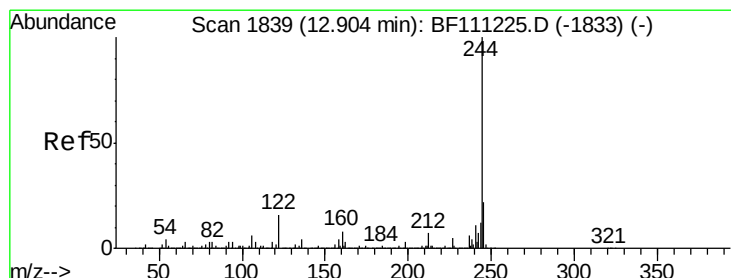
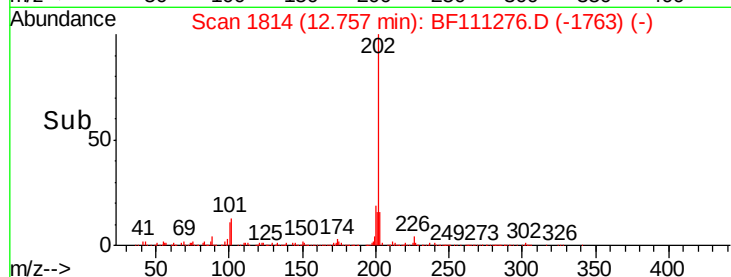
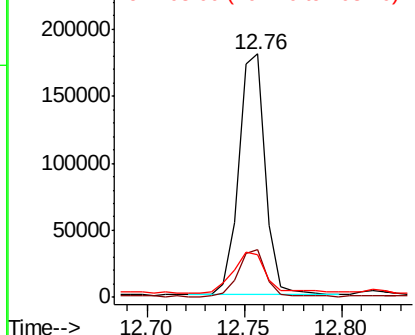


Abundance

Ion 202.00 (201.70 to 202.70): E

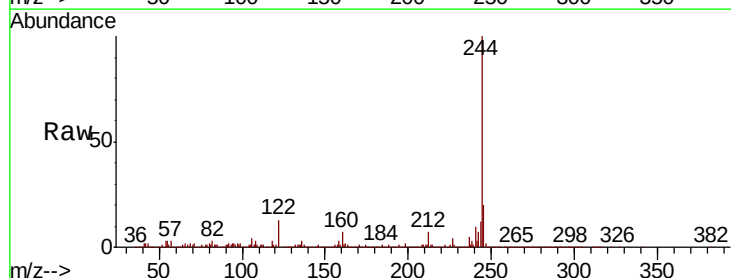
Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E



#79
Terphenyl-d14
Concen: 40.664 ng
RT: 12.90 min Scan# 1839
Delta R.T. -0.00 min
Lab File: BF111276.D
Acq: 11 Dec 2018 14:04

Tgt Ion	Ratio	Lower	Upper
244	100		
212	6.6	5.7	8.5
122	13.1	13.1	19.7

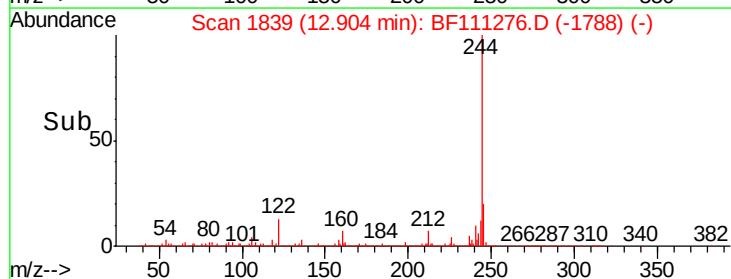
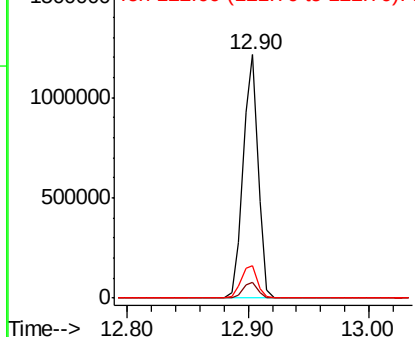


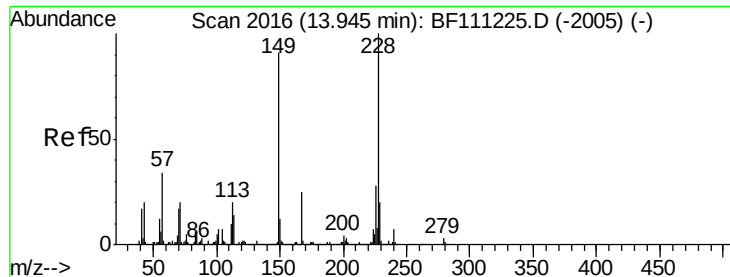
Abundance

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: 2.248 ng

RT: 13.94 min Scan# 2016

Delta R.T. -0.00 min

Lab File: BF111276.D

Acq: 11 Dec 2018 14:04

Instrument :

BNA_F

ClientSampleId :

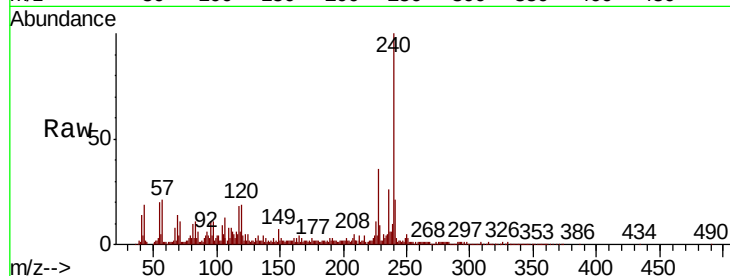
Tot Ion:228 Resp: 77713

Ion Ratio Lower Upper

228 100

226 31.7 22.6 34.0

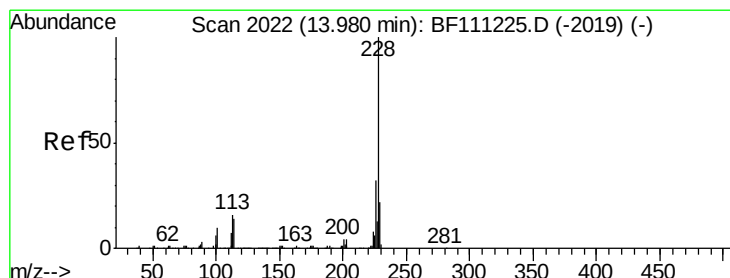
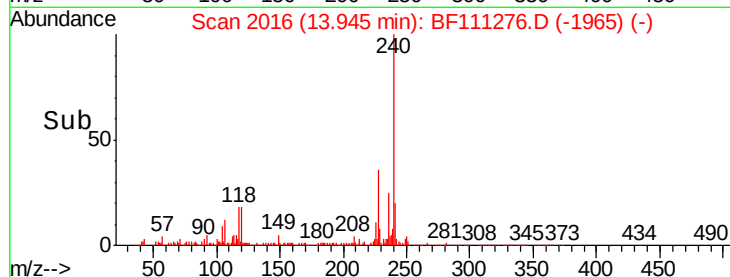
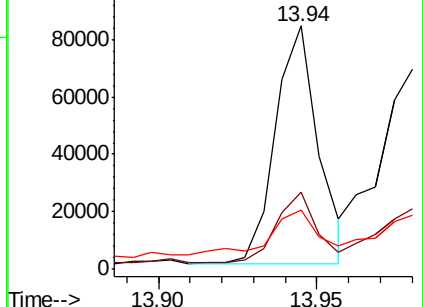
229 24.6 16.3 24.5#



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: 2.181 ng

RT: 13.94 min Scan# 2016

Delta R.T. -0.04 min

Lab File: BF111276.D

Acq: 11 Dec 2018 14:04

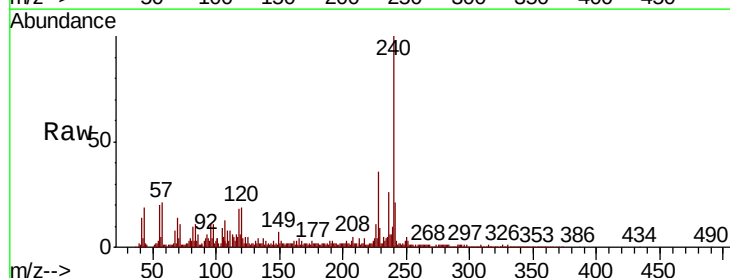
Tgt Ion:228 Resp: 77713

Ion Ratio Lower Upper

228 100

226 31.7 25.3 37.9

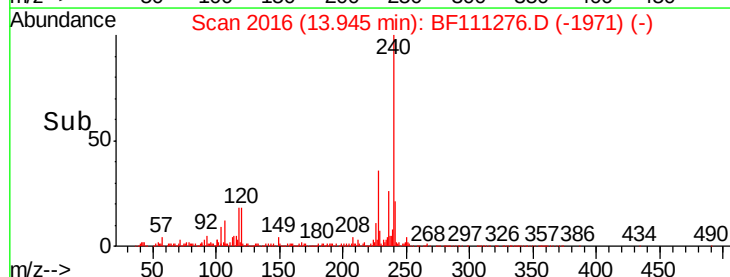
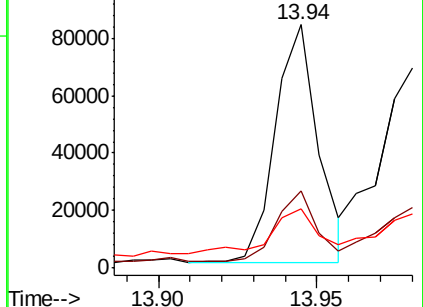
229 24.6 17.2 25.8

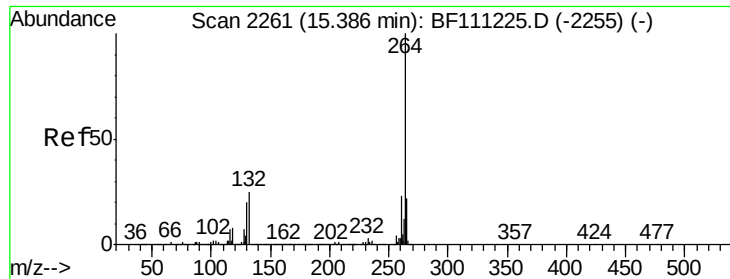


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

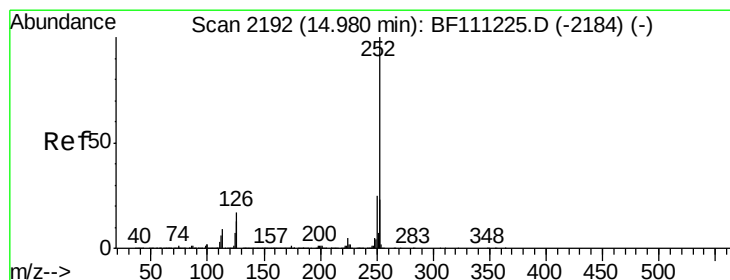
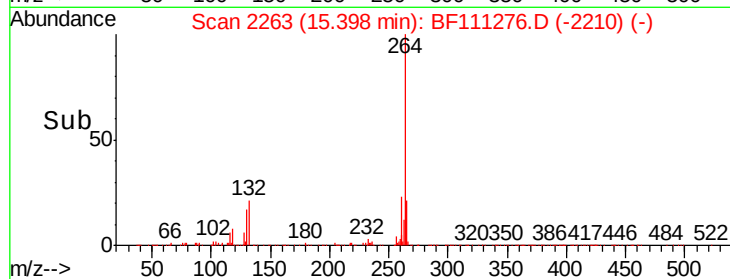
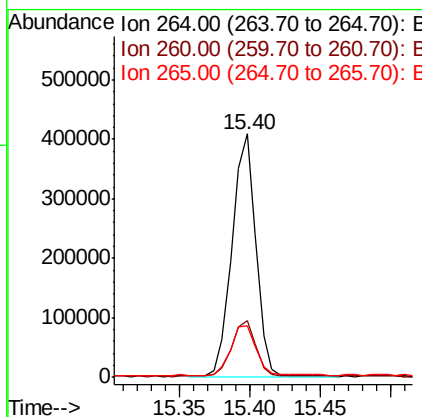
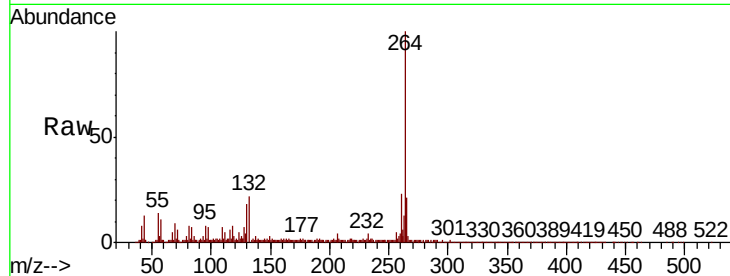




#87
Pervlene-d12
Concen: 20.000 ng
RT: 15.40 min Scan# 2263
Delta R.T. 0.01 min
Lab File: BF111276.D
Acq: 11 Dec 2018 14:04

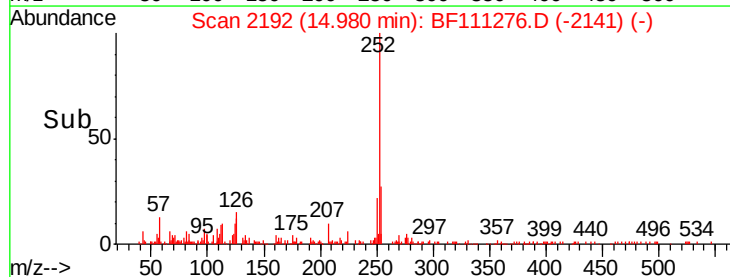
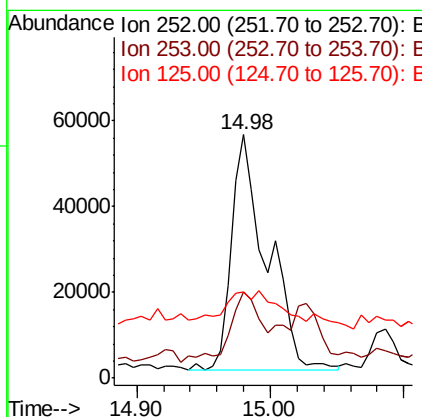
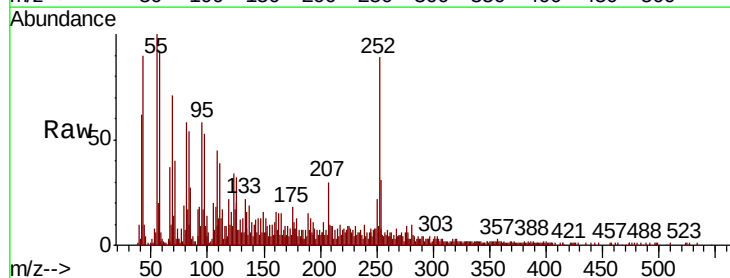
Instrument :
BNA_F
ClientSampleId :

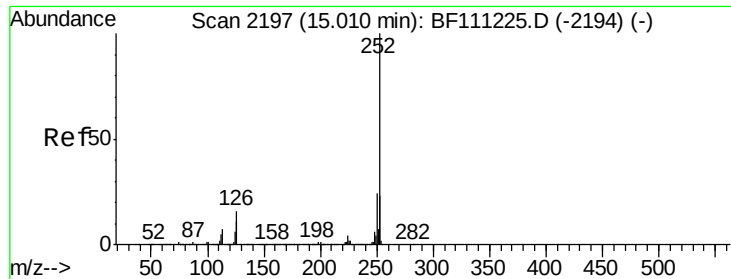
Tot Ion	Ratio	Lower	Upper
264	100		
260	23.1	18.3	27.5
265	21.4	17.7	26.5



#88
Benzo(b)fluoranthene
Concen: 3.822 ng
RT: 14.98 min Scan# 2192
Delta R.T. -0.00 min
Lab File: BF111276.D
Acq: 11 Dec 2018 14:04

Tgt Ion	Ratio	Lower	Upper
252	100		
253	35.3	18.2	27.2#
125	35.6	10.4	15.6#





#89

Benzo(k)fluoranthene

Concen: 4.065 ng

RT: 14.98 min Scan# 2192

Delta R.T. -0.03 min

Lab File: BF111276.D

Acq: 11 Dec 2018 14:04

Instrument :

BNA_F

ClientSampleId :

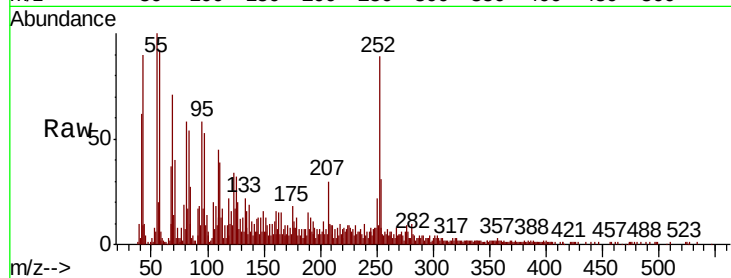
Tot Ion:252 Resp: 101038

Ion Ratio Lower Upper

252 100

253 35.3 18.1 27.1#

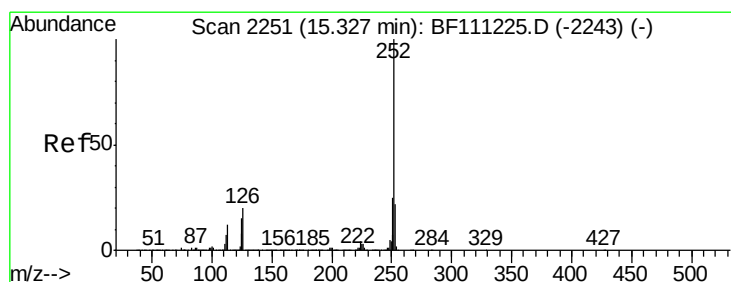
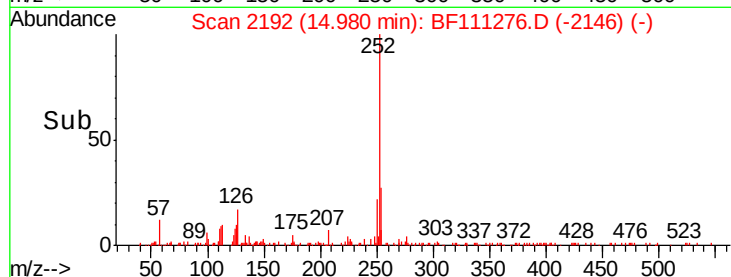
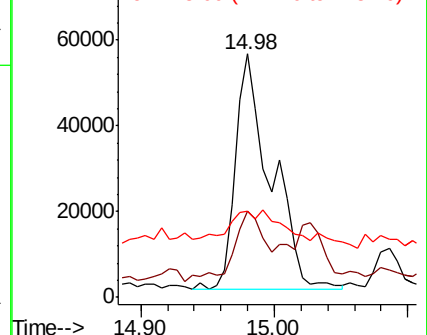
125 35.6 9.8 14.8#



Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



#90

Benzo(a)pyrene

Concen: 2.037 ng

RT: 15.33 min Scan# 2252

Delta R.T. 0.01 min

Lab File: BF111276.D

Acq: 11 Dec 2018 14:04

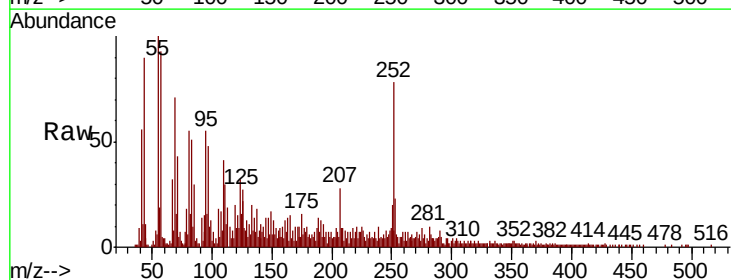
Tgt Ion:252 Resp: 49590

Ion Ratio Lower Upper

252 100

253 29.8 17.8 26.8#

125 34.5 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

