

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF121118\
 Data File : BF111306.D
 Acq On : 12 Dec 2018 5:10
 Operator : JU/SJ
 Sample : J6214-31
 Misc :
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SB-2(15-17)

Quant Time: Dec 12 06:42:21 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	216700	20.00	ng	0.00
21) Naphthalene-d8	8.08	136	849017	20.00	ng	0.00
39) Acenaphthene-d10	9.83	164	354287	20.00	ng	0.00
64) Phenanthrene-d10	11.32	188	524416	20.00	ng	0.00
76) Chrysene-d12	13.96	240	439522	20.00	ng	0.00
87) Perylene-d12	15.40	264	302593	20.00	ng	0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.41	112	1280762	93.33	ng	0.00
7) Phenol-d6	6.43	99	1638408	96.07	ng	0.00
23) Nitrobenzene-d5	7.35	82	982257	64.89	ng	-0.01
42) 2,4,6-Tribromophenol	10.62	330	260297	82.94	ng	-0.01
45) 2-Fluorobiphenyl	9.16	172	1531125	71.57	ng	0.00
79) Terphenyl-d14	12.90	244	1048399	57.22	ng	0.00

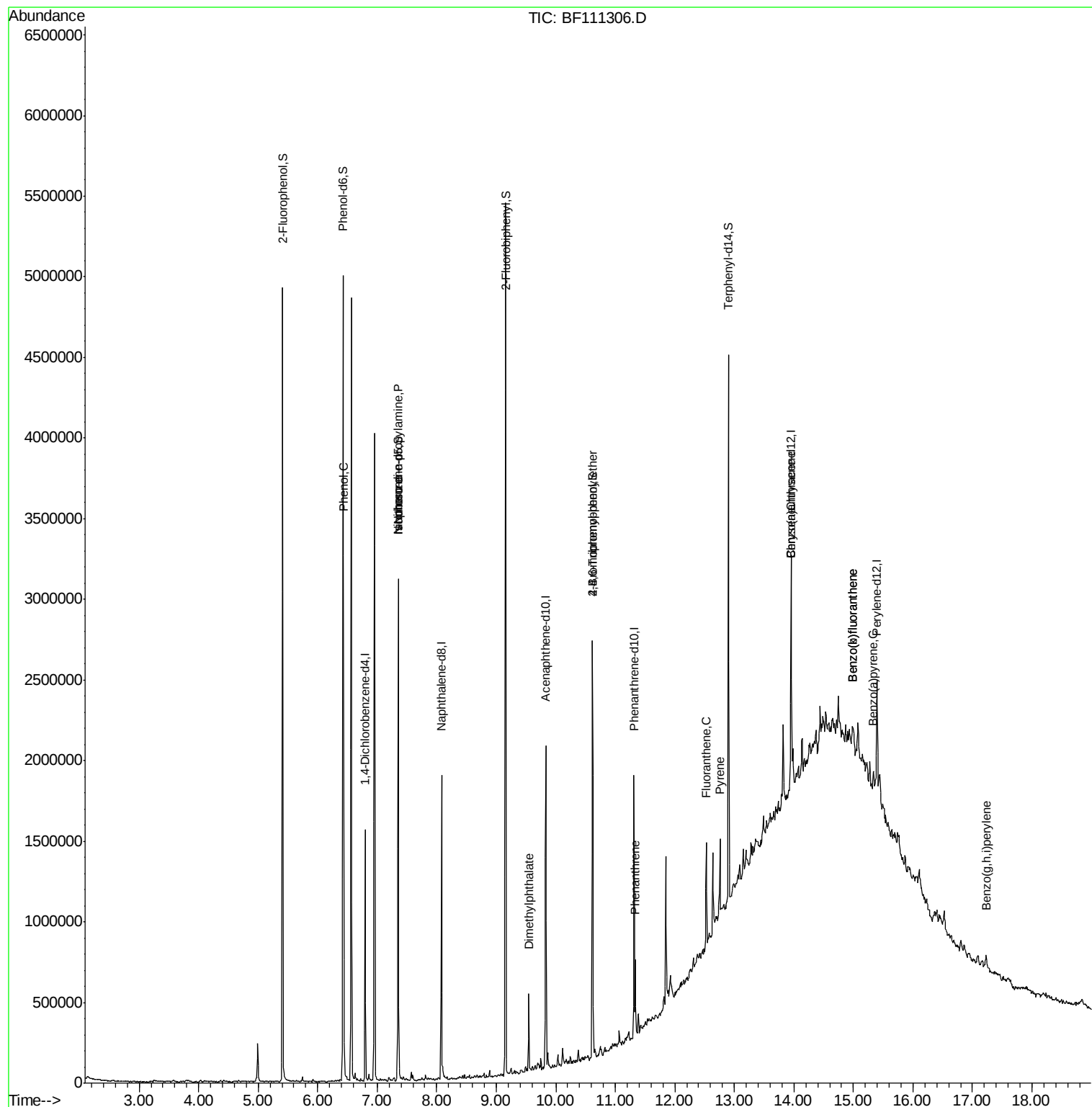
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) Benzaldehyde	6.36	77	1464	Below Cal		# 1
10) Phenol	6.44	94	99230	4.976	ng	93
19) n-Nitroso-di-n-propylamine	7.35	70	130944	11.462	ng	# 79
25) Isophorone	7.35	82	968732	37.575	ng	# 64
46) 1,1'-Biphenyl	9.25	154	4246	Below Cal		97
50) Dimethylphthalate	9.55	163	139135	5.322	ng	97
67) 4-Bromophenyl-phenylether	10.62	248	17974	3.129	ng	# 1
71) Phenanthrene	11.34	178	162514	6.144	ng	94
75) Fluoranthene	12.53	202	227461	9.414	ng	98
78) Pyrene	12.76	202	215758	6.869	ng	97
81) Benzo(a)anthracene	13.94	228	106961	4.362	ng	# 94
83) Chrysene	13.94	228	106961	4.231	ng	96
88) Benzo(b)fluoranthene	14.99	252	116456	6.959	ng	# 65
89) Benzo(k)fluoranthene	14.99	252	116456	7.402	ng	# 64
90) Benzo(a)pyrene	15.34	252	65115	4.226	ng	# 74
92) Benzo(g,h,i)perylene	17.23	276	41363	3.414	ng	# 94

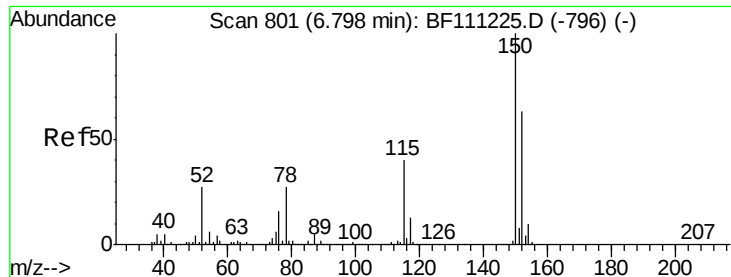
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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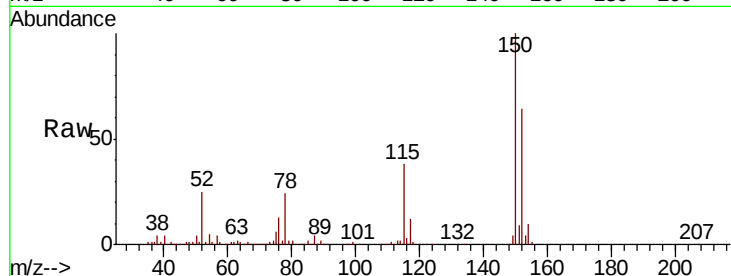


#1

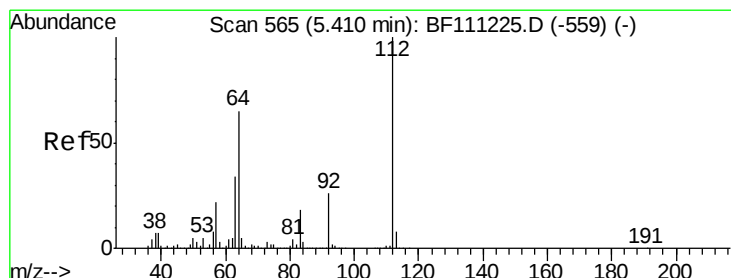
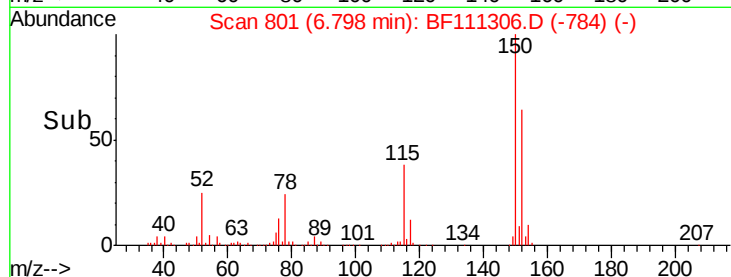
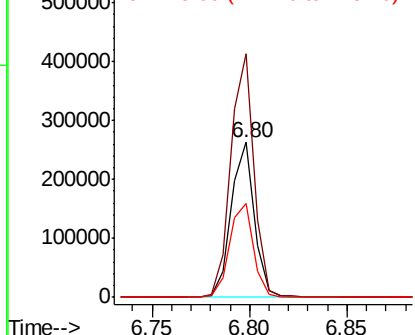
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.80 min Scan# 801
Delta R.T. -0.00 min
Lab File: BF111306.D
Acq: 12 Dec 2018 5:10

Instrument :
BNA_F
ClientSampleId :
SB-2(15-17)

Tgt Ion:152 Resp: 216700
Ion Ratio Lower Upper
152 100
150 157.0 126.6 189.8
115 60.3 50.7 76.1



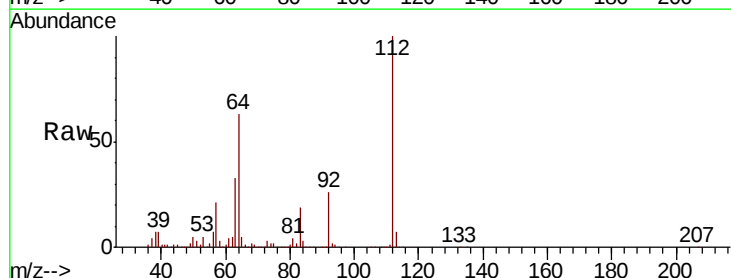
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



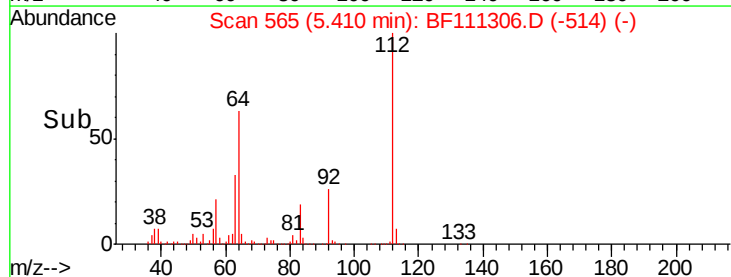
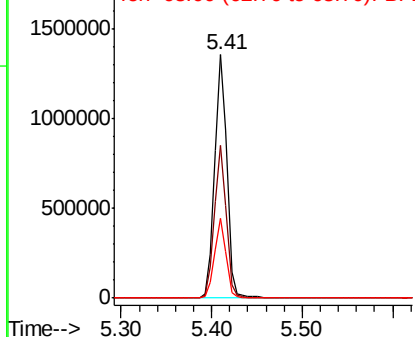
#5

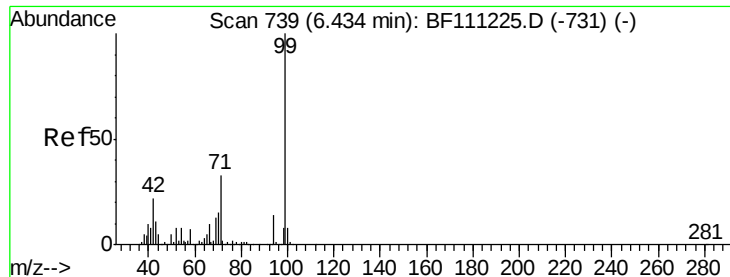
2-Fluorophenol
Concen: 93.328 ng
RT: 5.41 min Scan# 565
Delta R.T. -0.00 min
Lab File: BF111306.D
Acq: 12 Dec 2018 5:10

Tgt Ion:112 Resp: 1280762
Ion Ratio Lower Upper
112 100
64 62.7 51.8 77.6
63 32.5 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: 96.068 ng

RT: 6.43 min Scan# 738

Delta R.T. -0.01 min

Lab File: BF111306.D

Acq: 12 Dec 2018 5:10

Instrument :

BNA_F

ClientSampleId :

SB-2(15-17)

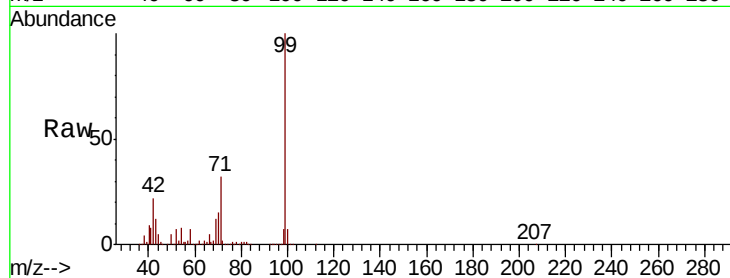
Tgt Ion: 99 Resp: 1638408

Ion Ratio Lower Upper

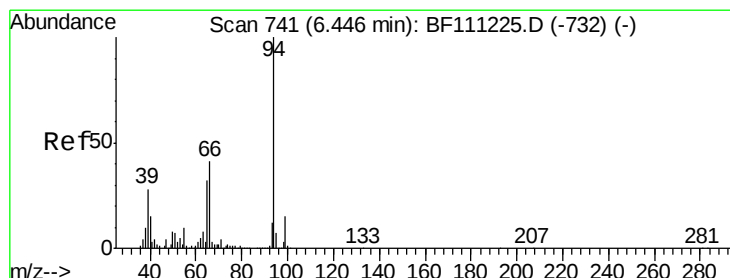
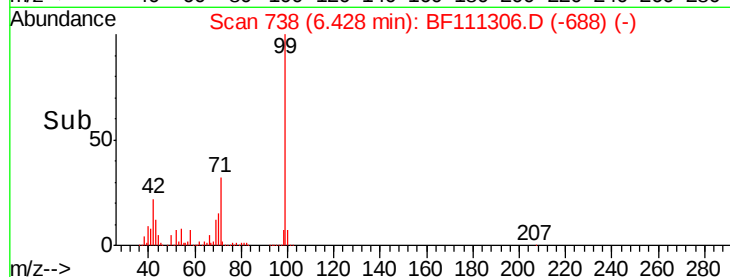
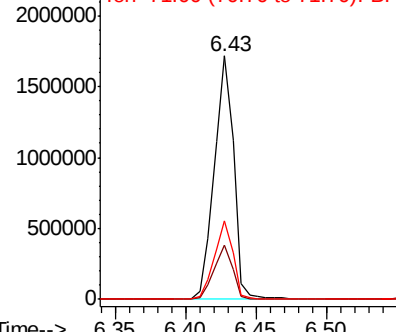
99 100

42 22.2 17.4 26.0

71 32.1 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: 4.976 ng

RT: 6.44 min Scan# 740

Delta R.T. -0.01 min

Lab File: BF111306.D

Acq: 12 Dec 2018 5:10

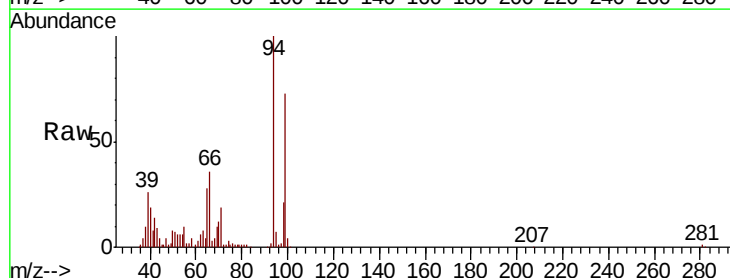
Tgt Ion: 94 Resp: 99230

Ion Ratio Lower Upper

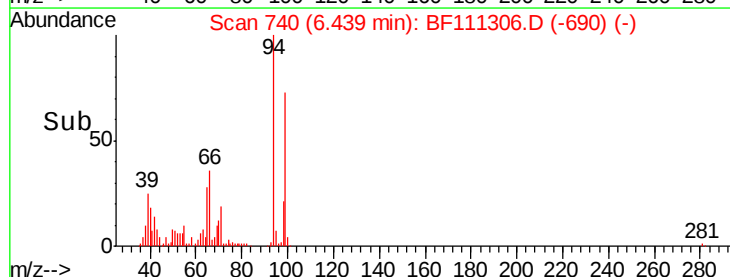
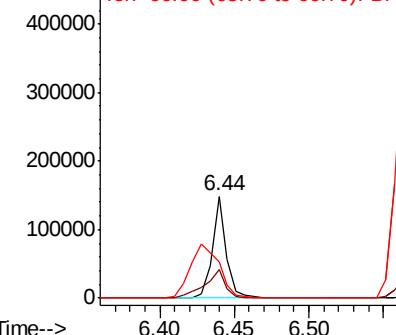
94 100

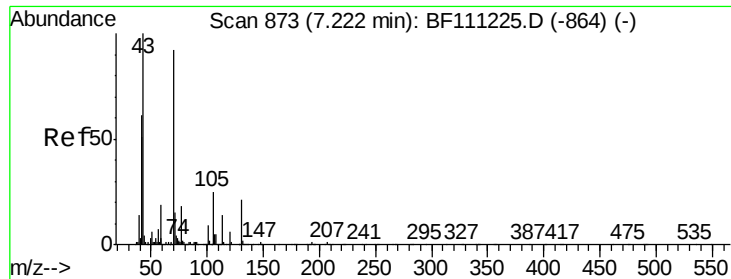
65 28.3 11.7 51.7

66 36.1 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

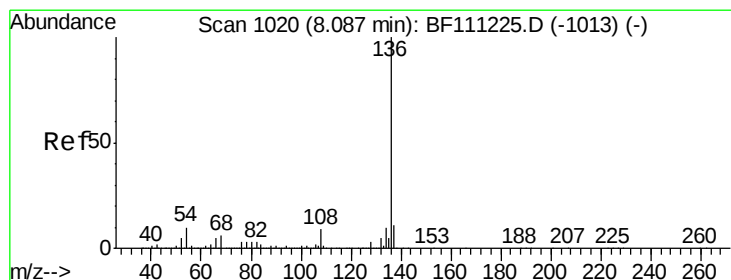
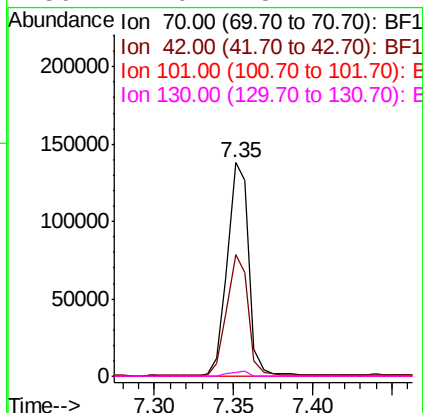
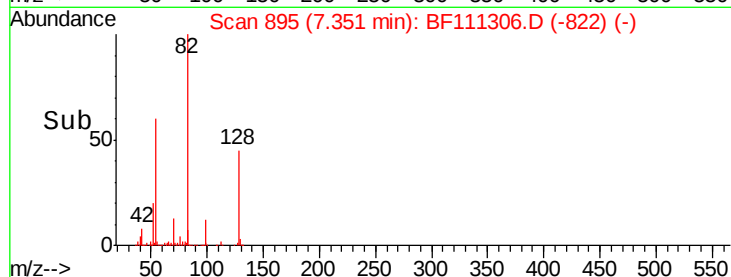
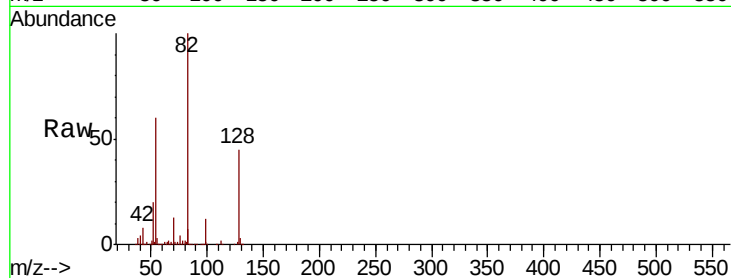




#19
n-Nitroso-di-n-propylamine
Concen: 11.462 ng
RT: 7.35 min Scan# 895
Delta R.T. 0.13 min
Lab File: BF111306.D
Acq: 12 Dec 2018 5:10

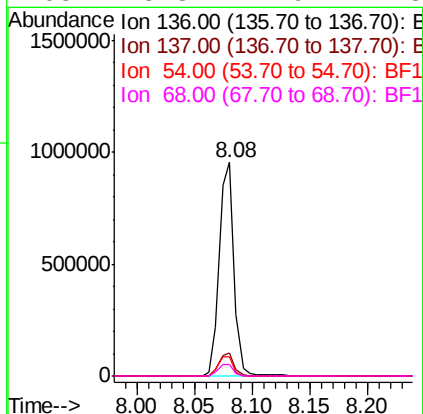
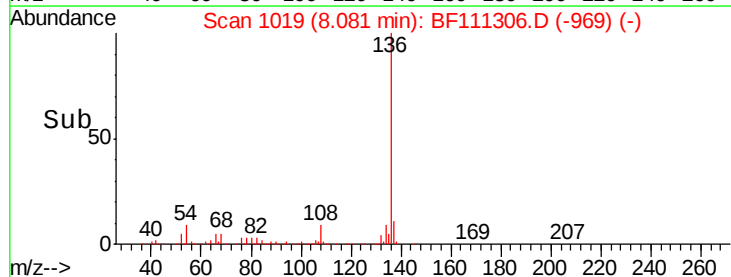
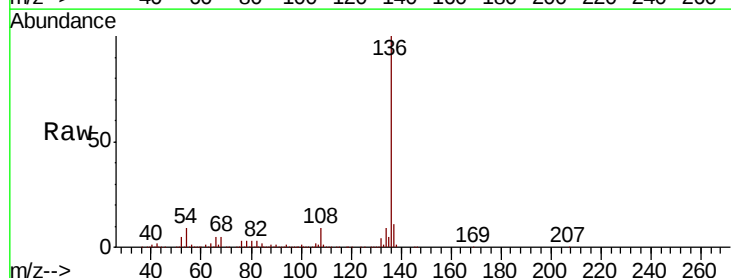
Instrument :
BNA_F
ClientSampleId :
SB-2(15-17)

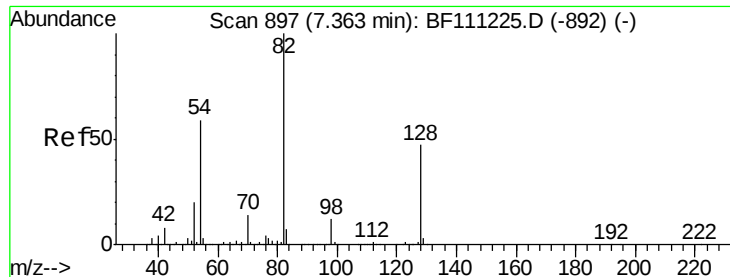
Tgt Ion	Ratio	Lower	Upper
70	100		
42	56.7	53.2	79.8
101	0.0	8.2	12.4#
130	2.0	18.1	27.1#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.08 min Scan# 1019
Delta R.T. -0.01 min
Lab File: BF111306.D
Acq: 12 Dec 2018 5:10

Tgt Ion	Ratio	Lower	Upper
136	100		
137	10.8	9.1	13.7
54	8.8	7.7	11.5
68	5.3	4.9	7.3

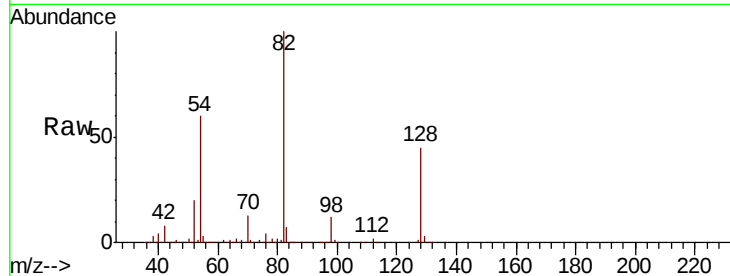




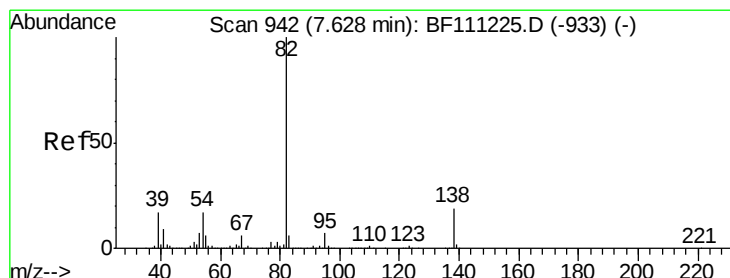
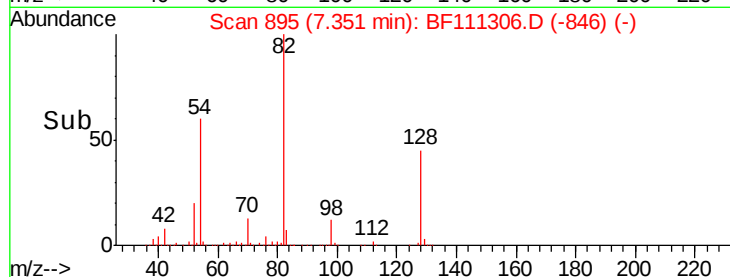
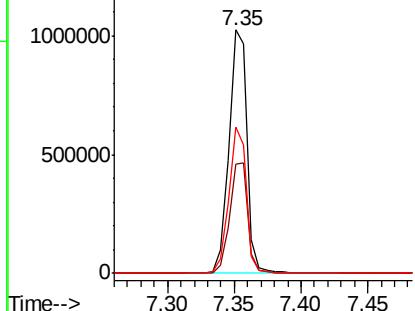
#23
 Nitrobenzene-d5
 Concen: 64.891 ng
 RT: 7.35 min Scan# 895
 Delta R.T. -0.01 min
 Lab File: BF111306.D
 Acq: 12 Dec 2018 5:10

Instrument :
 BNA_F
 ClientSampleId :
 SB-2(15-17)

Tgt Ion	Ratio	Lower	Upper
82	100		
128	45.1	37.4	56.2
54	60.0	47.6	71.4

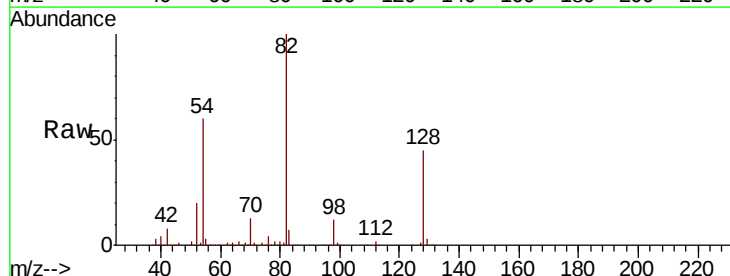


Abundance Ion 82.00 (81.70 to 82.70): BF1
 Ion 128.00 (127.70 to 128.70): BF1
 Ion 54.00 (53.70 to 54.70): BF1

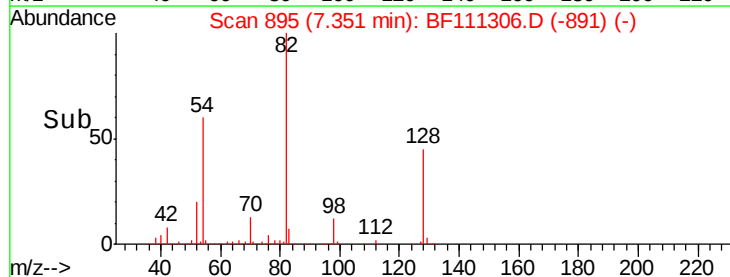
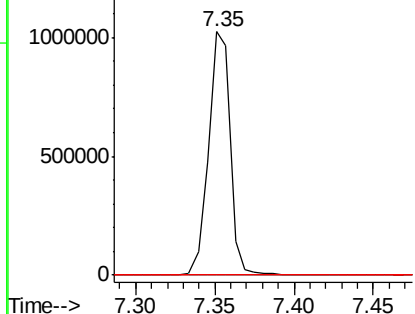


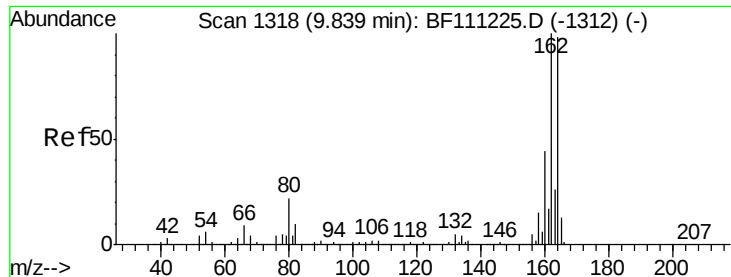
#25
 Isophorone
 Concen: 37.575 ng
 RT: 7.35 min Scan# 895
 Delta R.T. -0.28 min
 Lab File: BF111306.D
 Acq: 12 Dec 2018 5:10

Tgt 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

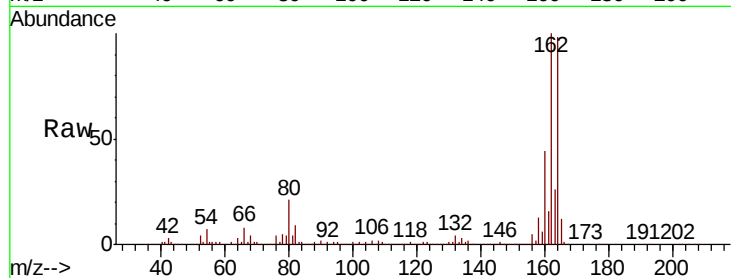




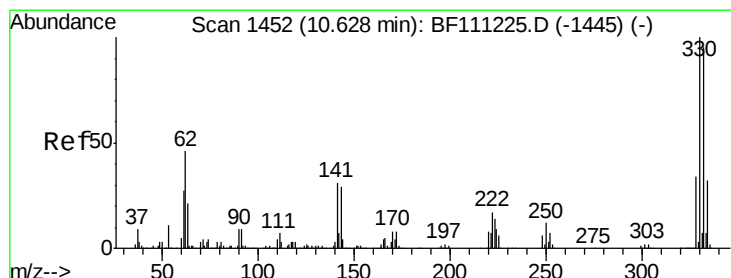
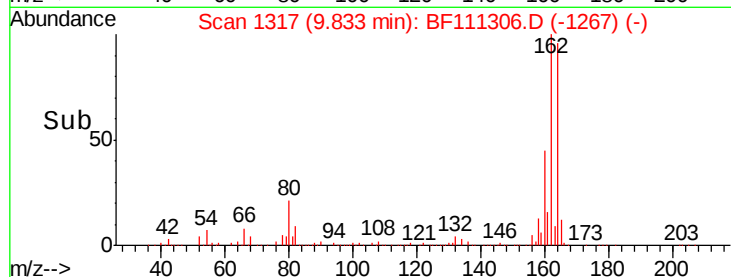
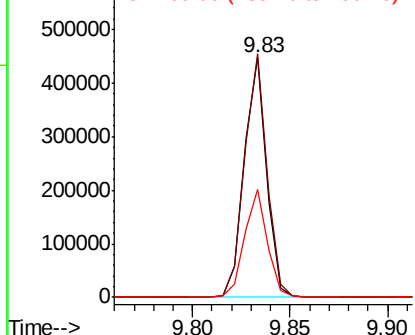
#39
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.83 min Scan# 1317
 Delta R.T. -0.01 min
 Lab File: BF111306.D
 Acq: 12 Dec 2018 5:10

Instrument :
 BNA_F
 ClientSampleId :
 SB-2(15-17)

Tgt Ion:164 Resp: 354287
 Ion Ratio Lower Upper
 164 100
 162 101.8 81.4 122.0
 160 45.2 35.7 53.5

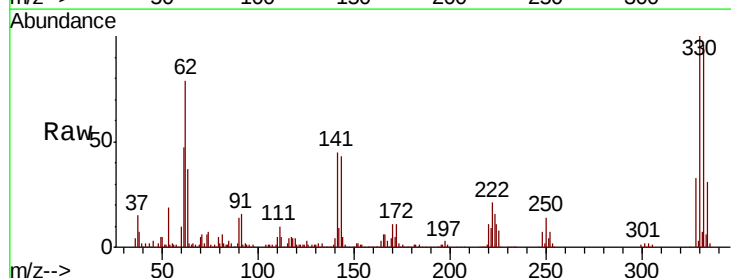


Abundance Ion 164.00 (163.70 to 164.70): E
 Ion 162.00 (161.70 to 162.70): E
 Ion 160.00 (159.70 to 160.70): E

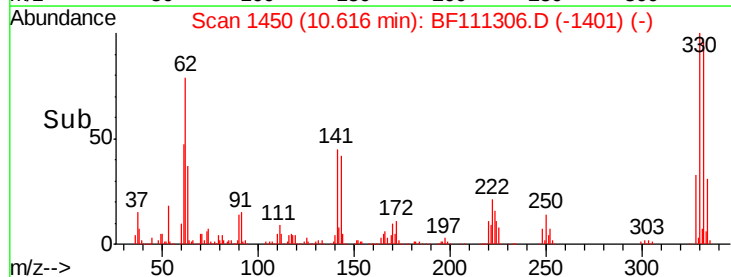
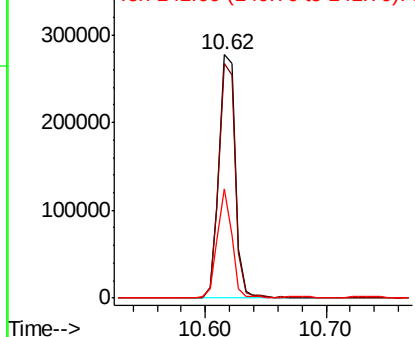


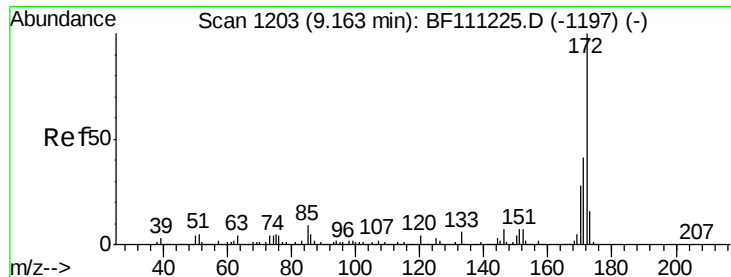
#42
 2,4,6-Tribromophenol
 Concen: 82.942 ng
 RT: 10.62 min Scan# 1450
 Delta R.T. -0.01 min
 Lab File: BF111306.D
 Acq: 12 Dec 2018 5:10

Tgt Ion:330 Resp: 260297
 Ion Ratio Lower Upper
 330 100
 332 95.6 76.0 114.0
 141 39.1 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

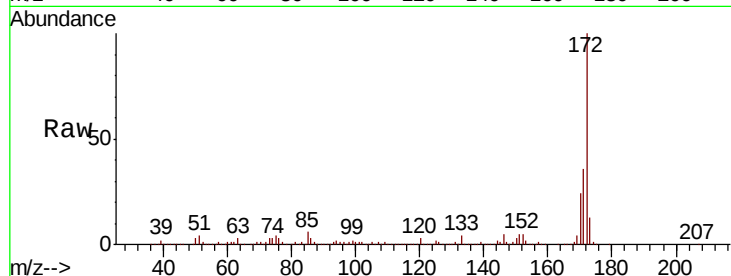




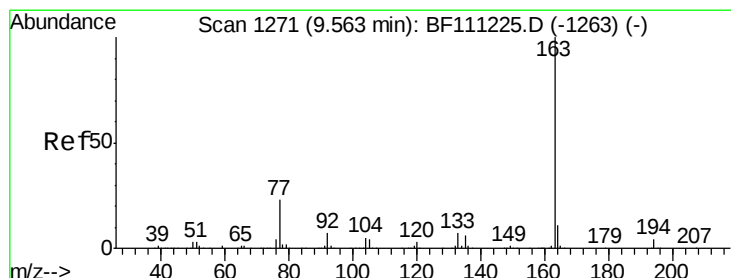
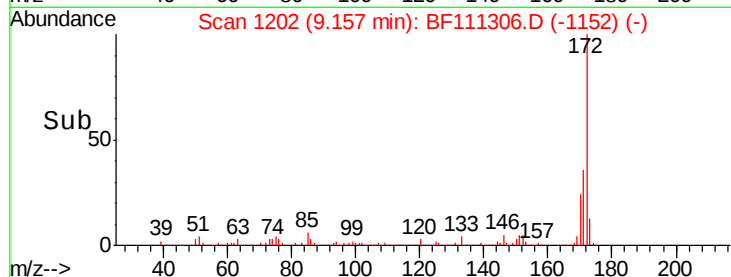
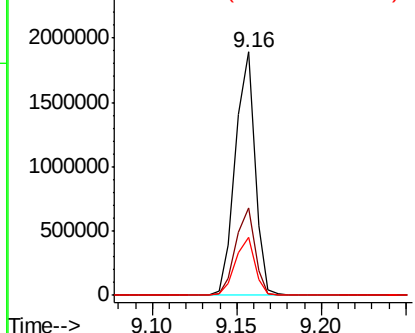
#45
2-Fluorobiphenyl
Concen: 71.574 ng
RT: 9.16 min Scan# 1202
Delta R.T. -0.01 min
Lab File: BF111306.D
Acq: 12 Dec 2018 5:10

Instrument :
BNA_F
ClientSampleId :
SB-2(15-17)

Tgt Ion:172 Resp: 1531125
Ion Ratio Lower Upper
172 100
171 35.9 33.0 49.4
170 23.7 22.3 33.5

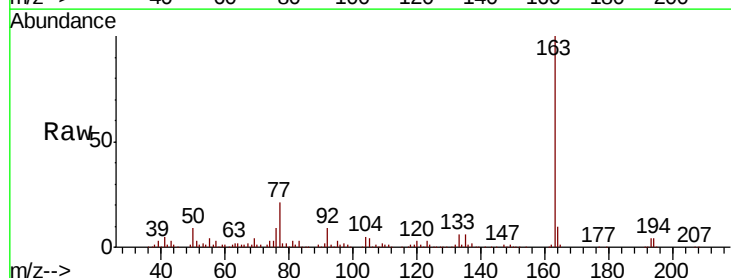


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

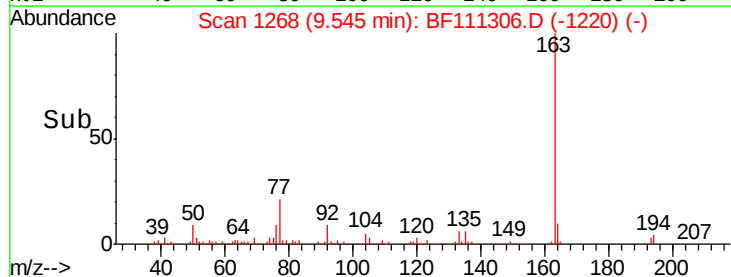
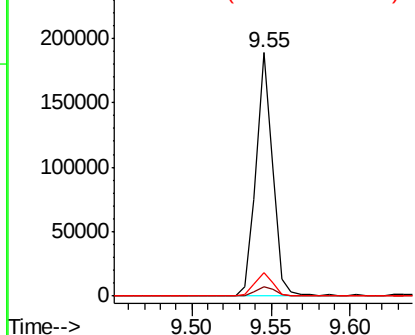


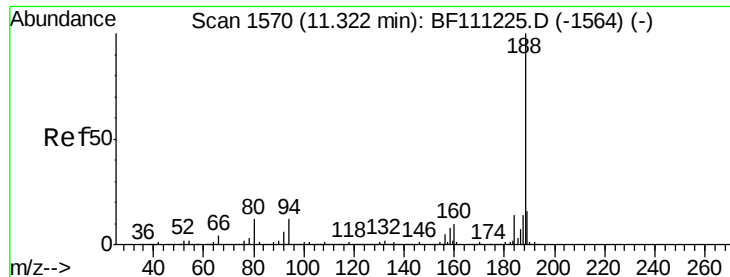
#50
Dimethylphthalate
Concen: 5.322 ng
RT: 9.55 min Scan# 1268
Delta R.T. -0.02 min
Lab File: BF111306.D
Acq: 12 Dec 2018 5:10

Tgt Ion:163 Resp: 139135
Ion Ratio Lower Upper
163 100
194 3.7 3.0 4.6
164 9.8 8.9 13.3



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

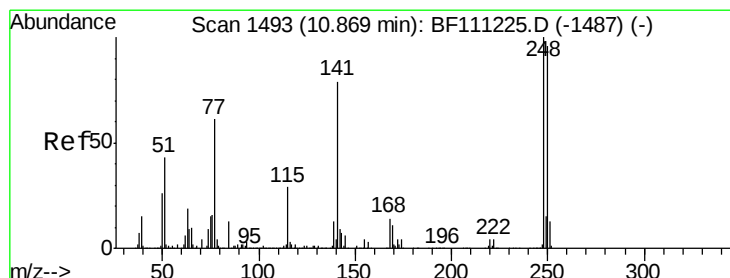
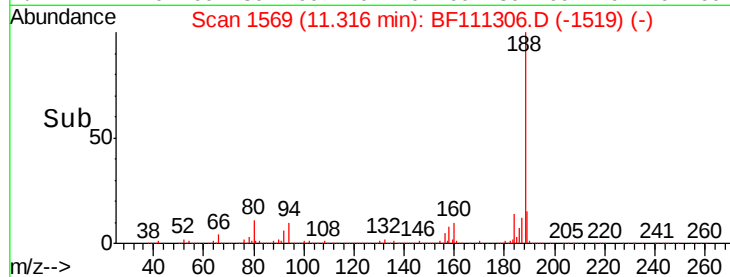
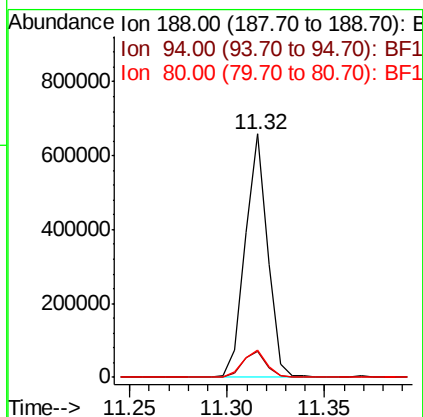
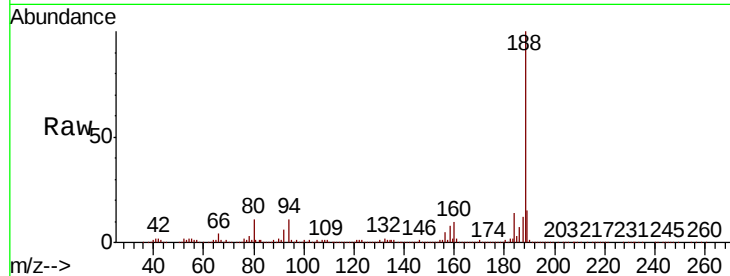




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.32 min Scan# 1569
Delta R.T. -0.01 min
Lab File: BF111306.D
Acq: 12 Dec 2018 5:10

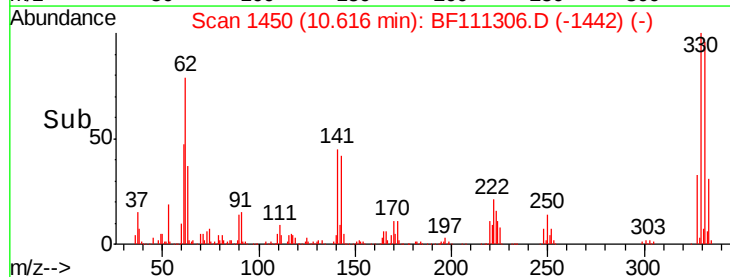
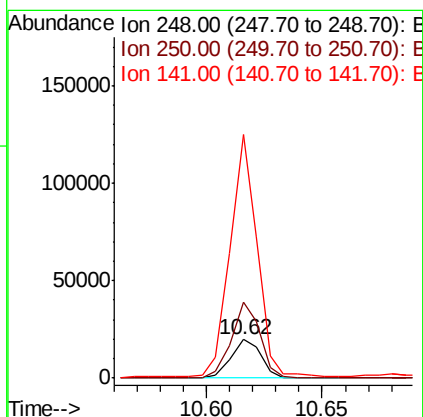
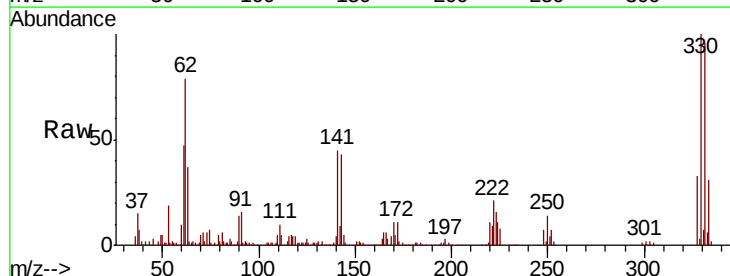
Instrument :
BNA_F
ClientSampleId :
SB-2(15-17)

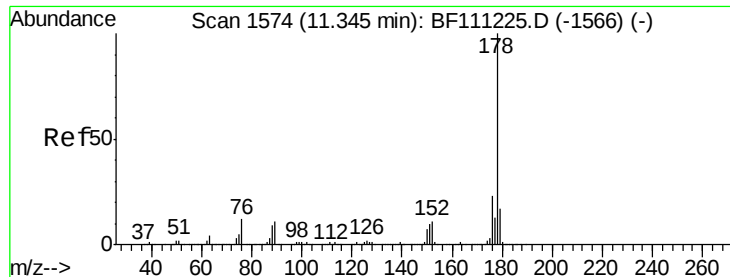
Tgt Ion:188 Resp: 524416
Ion Ratio Lower Upper
188 100
94 10.6 9.6 14.4
80 11.4 9.8 14.6



#67
4-Bromophenyl-phenylether
Concen: 3.129 ng
RT: 10.62 min Scan# 1450
Delta R.T. -0.25 min
Lab File: BF111306.D
Acq: 12 Dec 2018 5:10

Tgt Ion:248 Resp: 17974
Ion Ratio Lower Upper
248 100
250 199.2 77.0 115.4#
141 635.4 63.0 94.6#

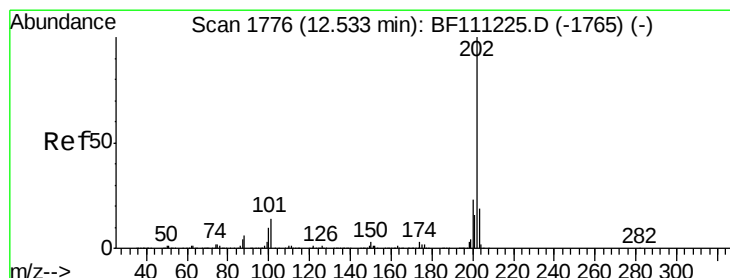
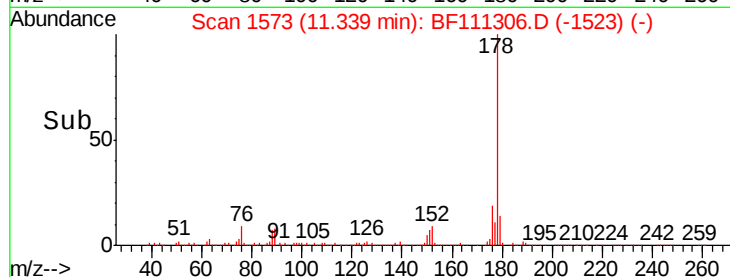
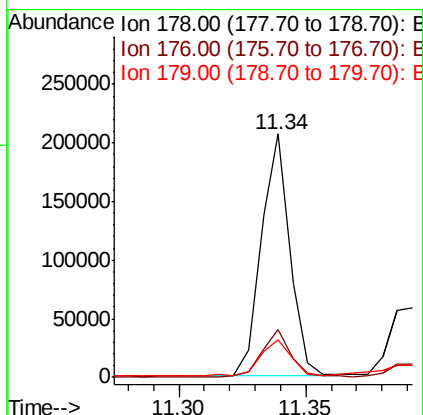
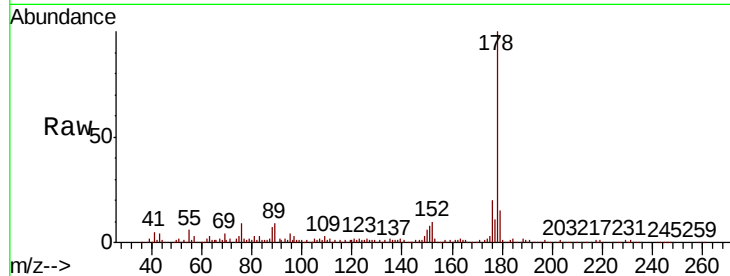




#71
Phenanthrene
Concen: 6.144 ng
RT: 11.34 min Scan# 1573
Delta R.T. -0.01 min
Lab File: BF111306.D
Acq: 12 Dec 2018 5:10

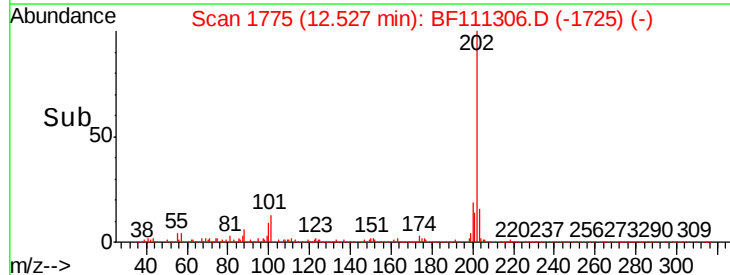
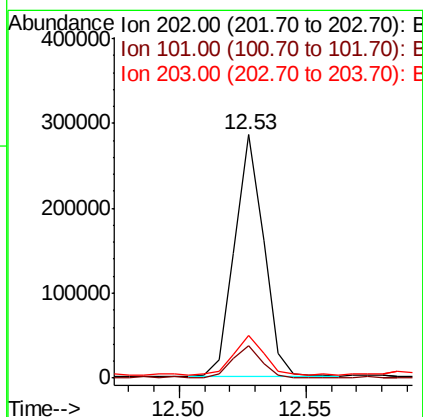
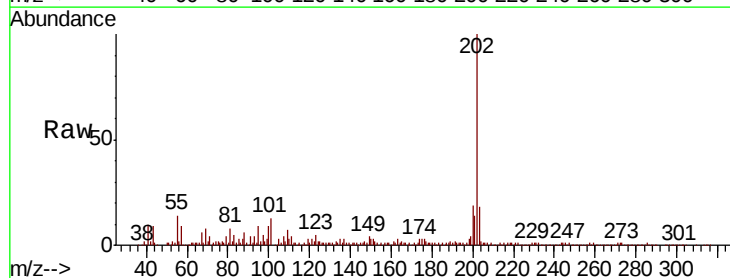
Instrument :
BNA_F
ClientSampled :
SB-2(15-17)

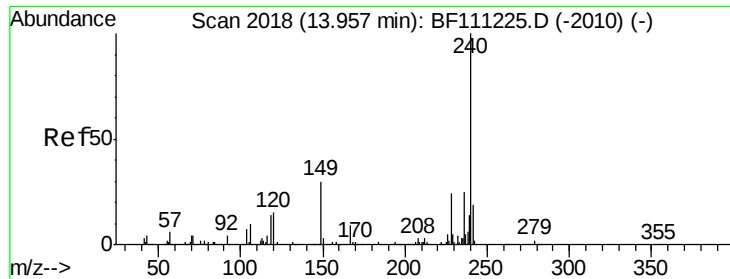
Tgt Ion:178 Resp: 162514
Ion Ratio Lower Upper
178 100
176 19.6 18.1 27.1
179 15.2 14.0 21.0



#75
Fluoranthene
Concen: 9.414 ng
RT: 12.53 min Scan# 1775
Delta R.T. -0.01 min
Lab File: BF111306.D
Acq: 12 Dec 2018 5:10

Tgt Ion:202 Resp: 227461
Ion Ratio Lower Upper
202 100
101 13.1 0.0 33.8
203 17.6 0.0 38.6

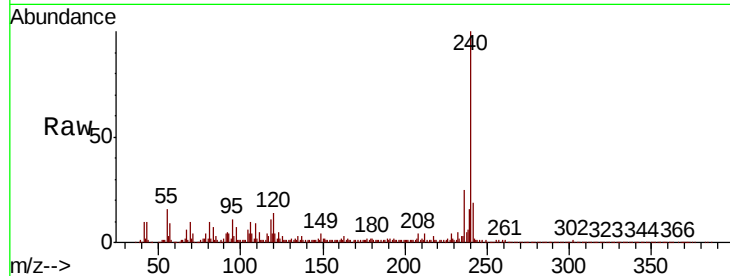




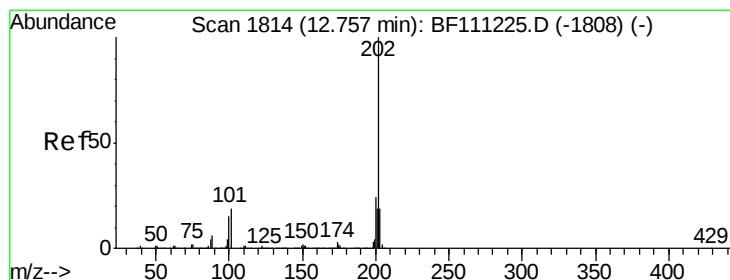
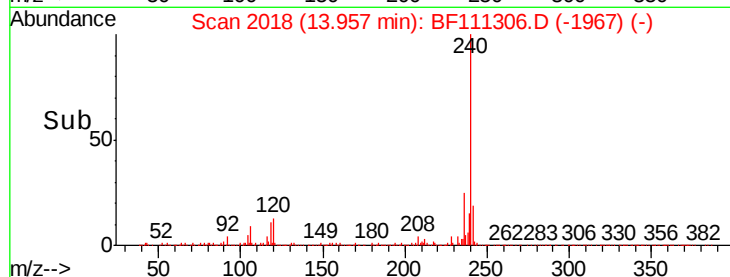
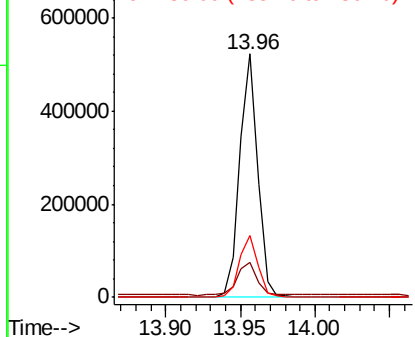
#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.96 min Scan# 2018
Delta R.T. -0.00 min
Lab File: BF111306.D
Acq: 12 Dec 2018 5:10

Instrument :
BNA_F
ClientSampleId :
SB-2(15-17)

Tgt Ion	Ratio	Lower	Upper
240	100		
120	14.2	12.2	18.2
236	25.4	20.2	30.2

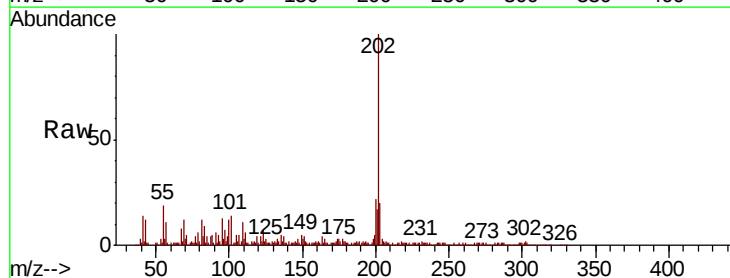


Abundance Ion 240.00 (239.70 to 240.70): E
Ion 120.00 (119.70 to 120.70): E
Ion 236.00 (235.70 to 236.70): E

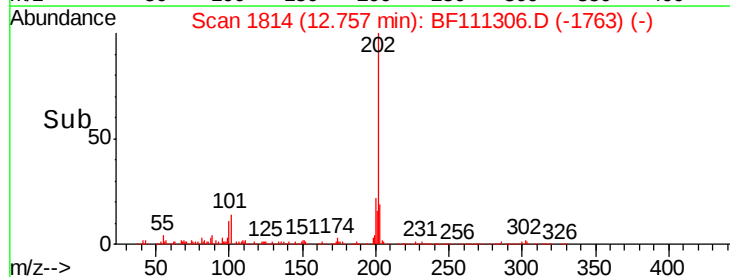
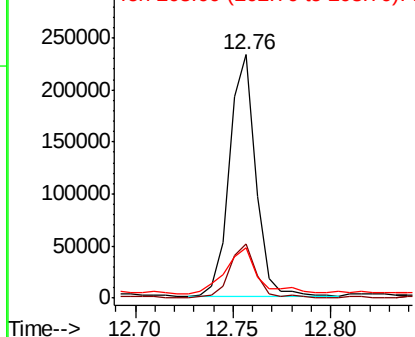


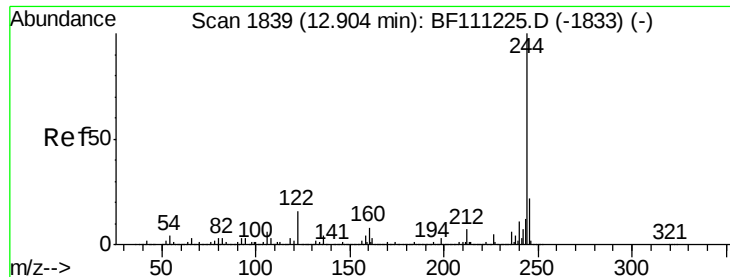
#78
Pyrene
Concen: 6.869 ng
RT: 12.76 min Scan# 1814
Delta R.T. -0.00 min
Lab File: BF111306.D
Acq: 12 Dec 2018 5:10

Tgt Ion	Ratio	Lower	Upper
202	100		
200	22.2	19.0	28.4
203	20.4	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

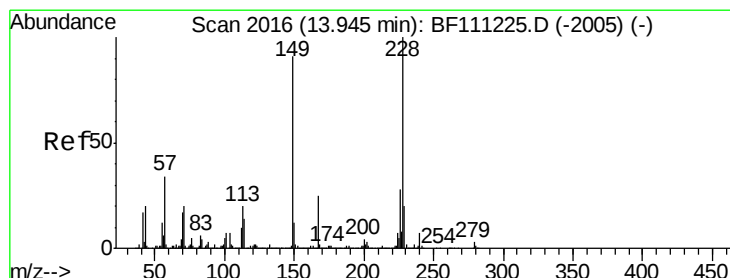
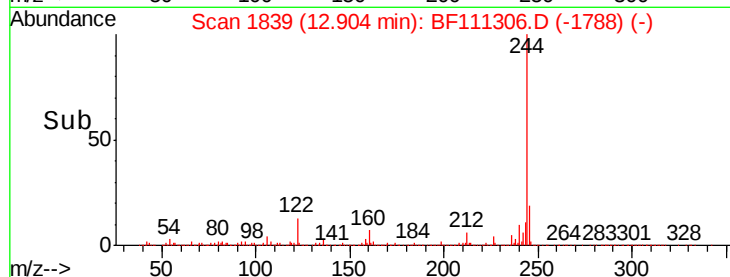
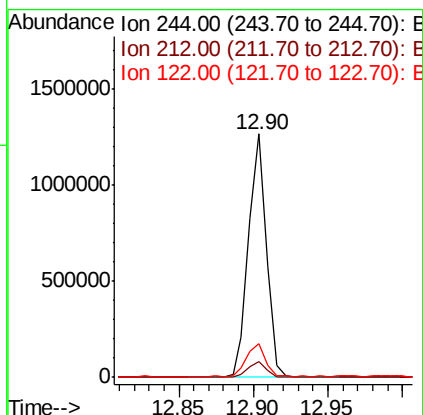
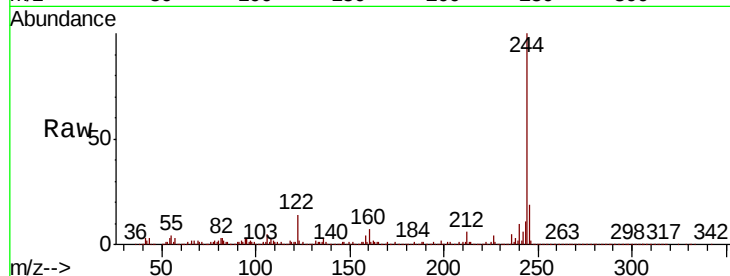




#79
 Terphenyl-d14
 Concen: 57.215 ng
 RT: 12.90 min Scan# 1839
 Delta R.T. -0.00 min
 Lab File: BF111306.D
 Acq: 12 Dec 2018 5:10

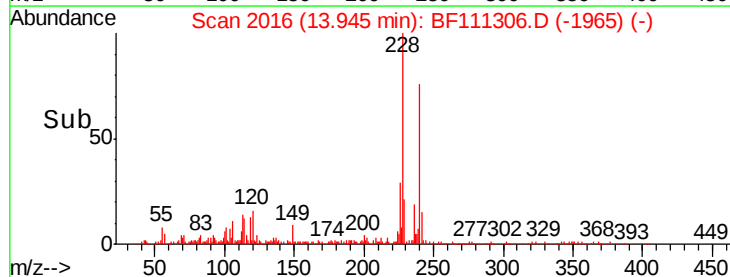
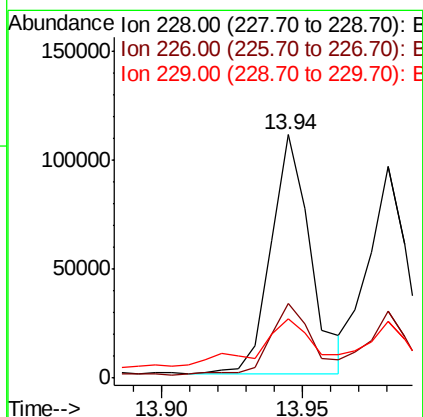
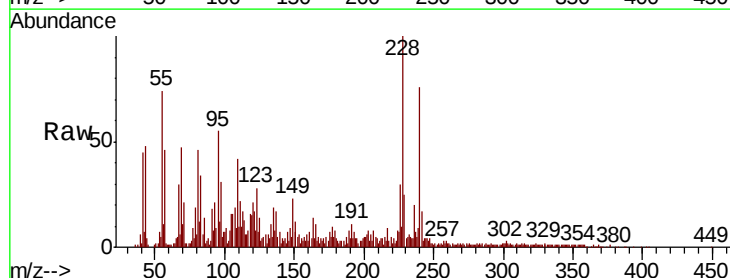
Instrument :
 BNA_F
 ClientSampleId :
 SB-2(15-17)

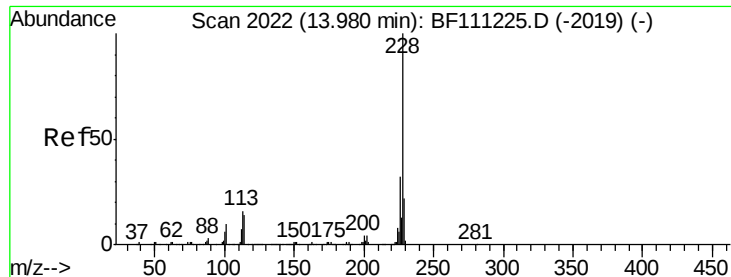
Tgt Ion:244 Resp: 1048399
 Ion Ratio Lower Upper
 244 100
 212 6.5 5.7 8.5
 122 13.6 13.1 19.7



#81
 Benzo(a)anthracene
 Concen: 4.362 ng
 RT: 13.94 min Scan# 2016
 Delta R.T. -0.00 min
 Lab File: BF111306.D
 Acq: 12 Dec 2018 5:10

Tgt Ion:228 Resp: 106961
 Ion Ratio Lower Upper
 228 100
 226 30.4 22.6 34.0
 229 24.6 16.3 24.5#





#83

Chrysene

Concen: 4.231 ng

RT: 13.94 min Scan# 2016

Delta R.T. -0.04 min

Lab File: BF111306.D

Acq: 12 Dec 2018 5:10

Instrument :

BNA_F

ClientSampleId :

SB-2(15-17)

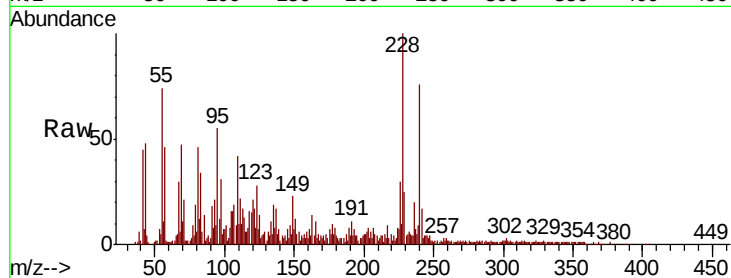
Tgt Ion:228 Resp: 106961

Ion Ratio Lower Upper

228 100

226 30.4 25.3 37.9

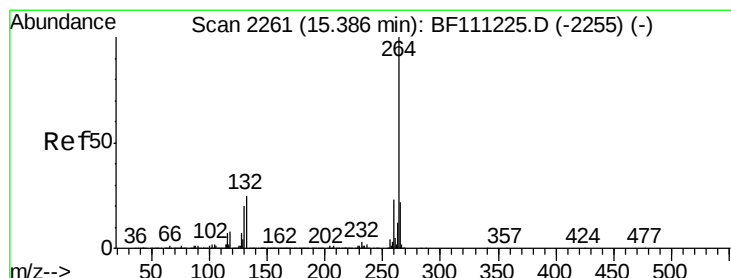
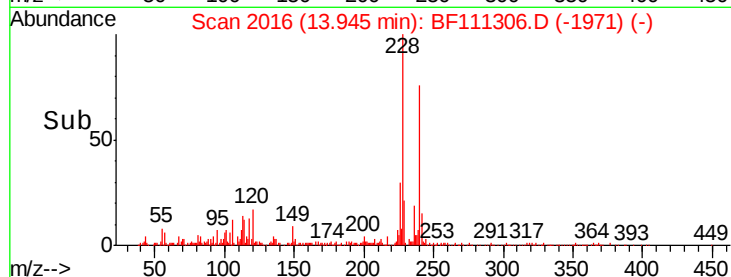
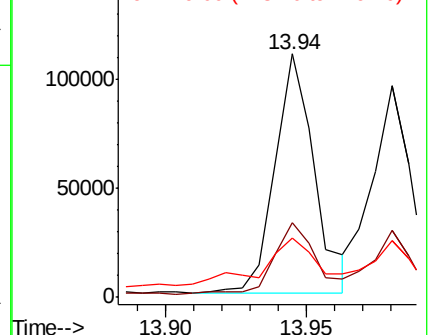
229 24.6 17.2 25.8



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

Perylene-d12

Concen: 20.000 ng

RT: 15.40 min Scan# 2263

Delta R.T. 0.01 min

Lab File: BF111306.D

Acq: 12 Dec 2018 5:10

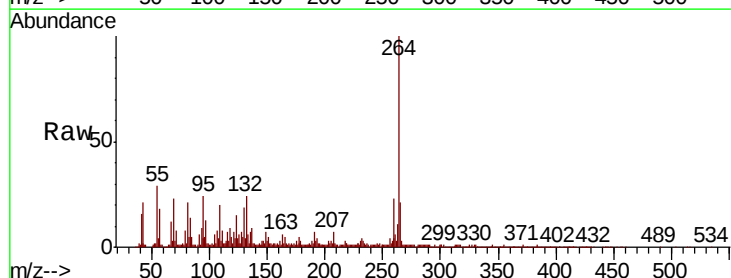
Tgt Ion:264 Resp: 302593

Ion Ratio Lower Upper

264 100

260 22.8 18.3 27.5

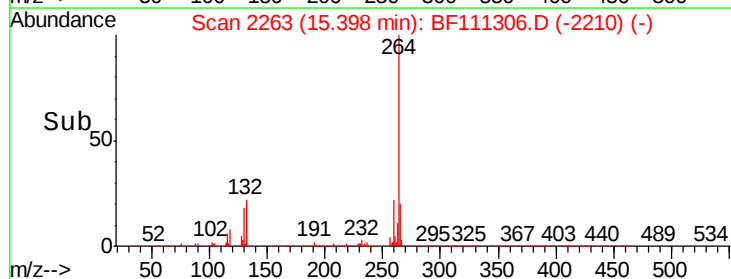
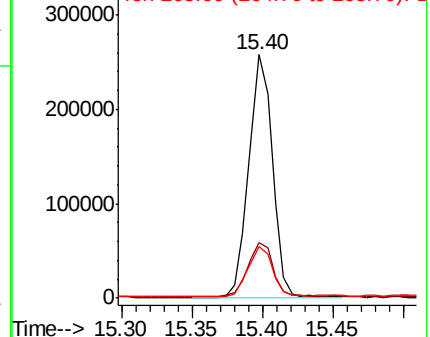
265 21.0 17.7 26.5

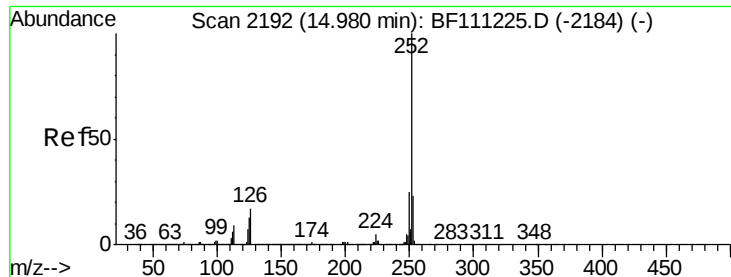


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E





#88

Benzo(b)fluoranthene

Concen: 6.959 ng

RT: 14.99 min Scan# 2193

Delta R.T. 0.01 min

Lab File: BF111306.D

Acq: 12 Dec 2018 5:10

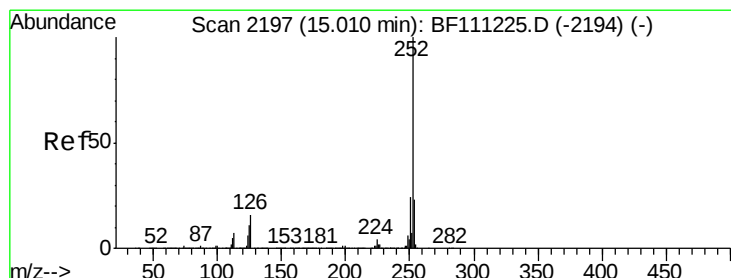
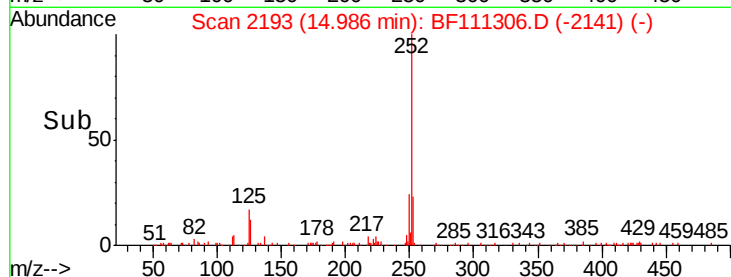
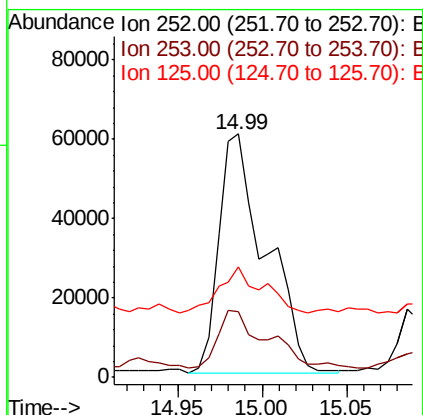
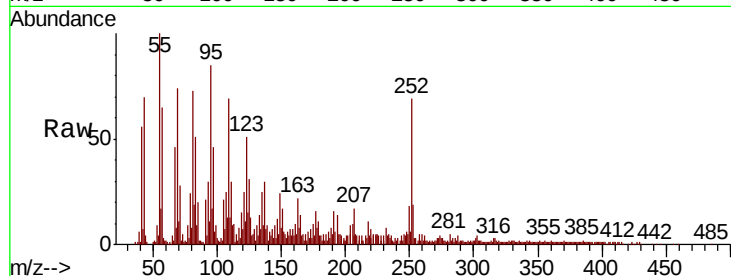
Instrument :

BNA_F

ClientSampleId :

SB-2(15-17)

Tgt Ion:	252	Resp:	116456
Ion Ratio		Lower	Upper
252	100		
253	27.0	18.2	27.2
125	45.5	10.4	15.6#



#89

Benzo(k)fluoranthene

Concen: 7.402 ng

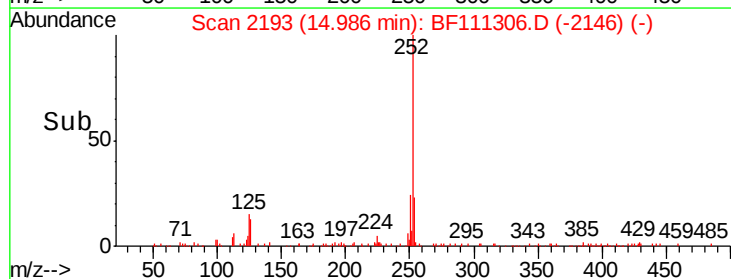
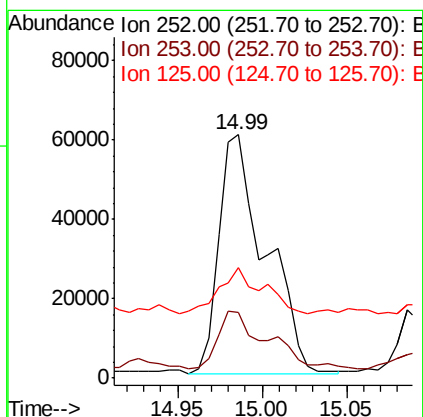
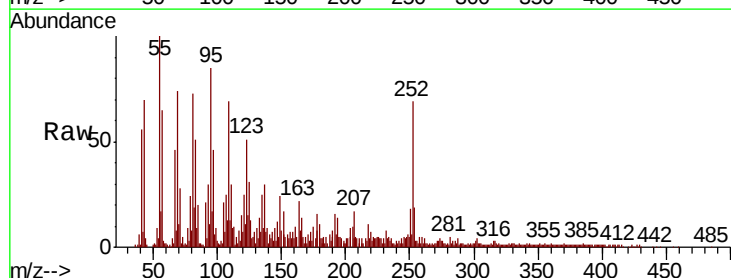
RT: 14.99 min Scan# 2193

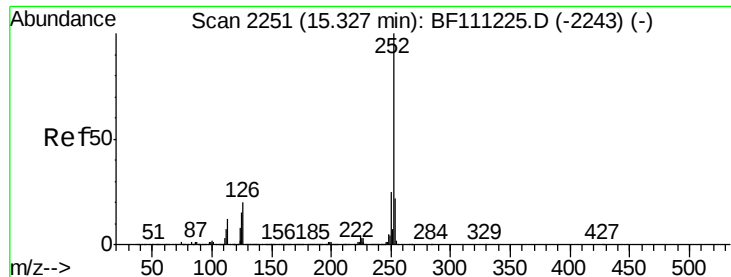
Delta R.T. -0.02 min

Lab File: BF111306.D

Acq: 12 Dec 2018 5:10

Tgt Ion:	252	Resp:	116456
Ion Ratio		Lower	Upper
252	100		
253	27.0	18.1	27.1
125	45.5	9.8	14.8#





#90

Benzo(a)pyrene

Concen: 4.226 ng

RT: 15.34 min Scan# 2253

Delta R.T. 0.01 min

Lab File: BF111306.D

Acq: 12 Dec 2018 5:10

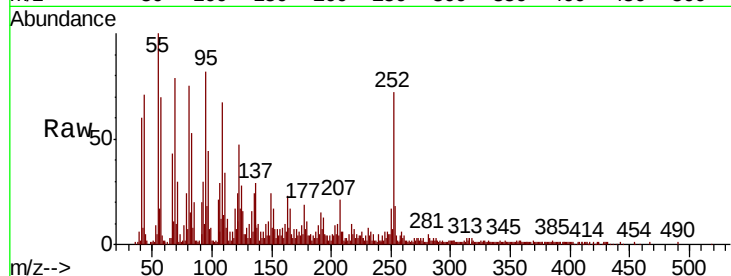
Instrument :

BNA_F

ClientSampleId :

SB-2(15-17)

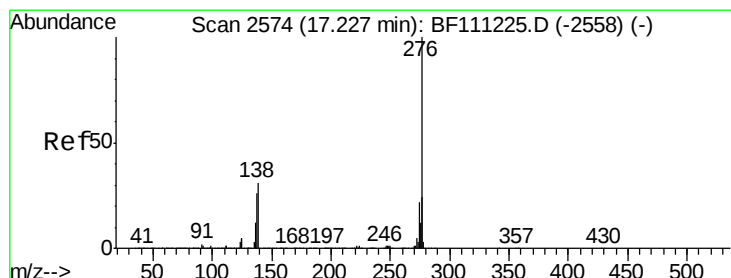
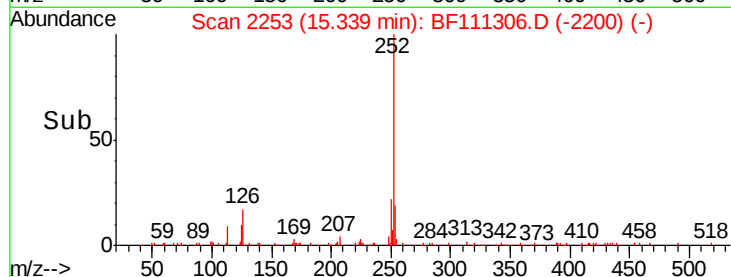
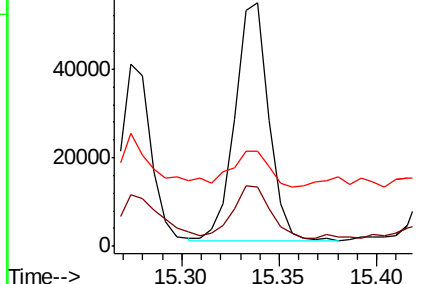
Tgt Ion:	252	Resp:	65115
Ion Ratio	Lower	Upper	
252	100		
253	24.5	17.8	26.8
125	38.9	12.3	18.5#



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



#92

Benzo(g,h,i)perylene

Concen: 3.414 ng

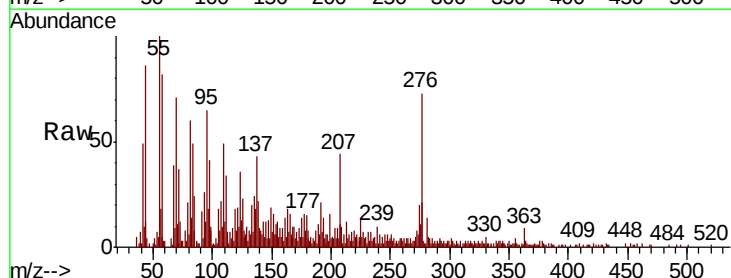
RT: 17.23 min Scan# 2574

Delta R.T. -0.00 min

Lab File: BF111306.D

Acq: 12 Dec 2018 5:10

Tgt Ion:	276	Resp:	41363
Ion Ratio	Lower	Upper	
276	100		
277	29.0	19.2	28.8#
138	29.7	24.9	37.3



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

