

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF120518\
 Data File : BF111115.D
 Acq On : 5 Dec 2018 18:58
 Operator : JU/SJ
 Sample : J5764-21 2X
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 JC-02-113018-A

Quant Time: Dec 06 01:07:40 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF120518.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Dec 05 17:30:55 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.80	152	578502	20.00	ng	0.00
21) Naphthalene-d8	8.09	136	2258448	20.00	ng	0.00
39) Acenaphthene-d10	9.84	164	1008775	20.00	ng	0.00
64) Phenanthrene-d10	11.32	188	1543379	20.00	ng	0.00
76) Chrysene-d12	13.96	240	1092094	20.00	ng	0.00
87) Perylene-d12	15.39	264	807845	20.00	ng	0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.41	112	1759246	47.45	ng	0.00
7) Phenol-d6	6.43	99	2300092	48.16	ng	0.00
23) Nitrobenzene-d5	7.36	82	1385070	36.31	ng	-0.01
42) 2,4,6-Tribromophenol	10.62	330	366793	45.74	ng	0.00
45) 2-Fluorobiphenyl	9.16	172	2389351	35.47	ng	0.00
79) Terphenyl-d14	12.91	244	1683022	31.56	ng	0.00

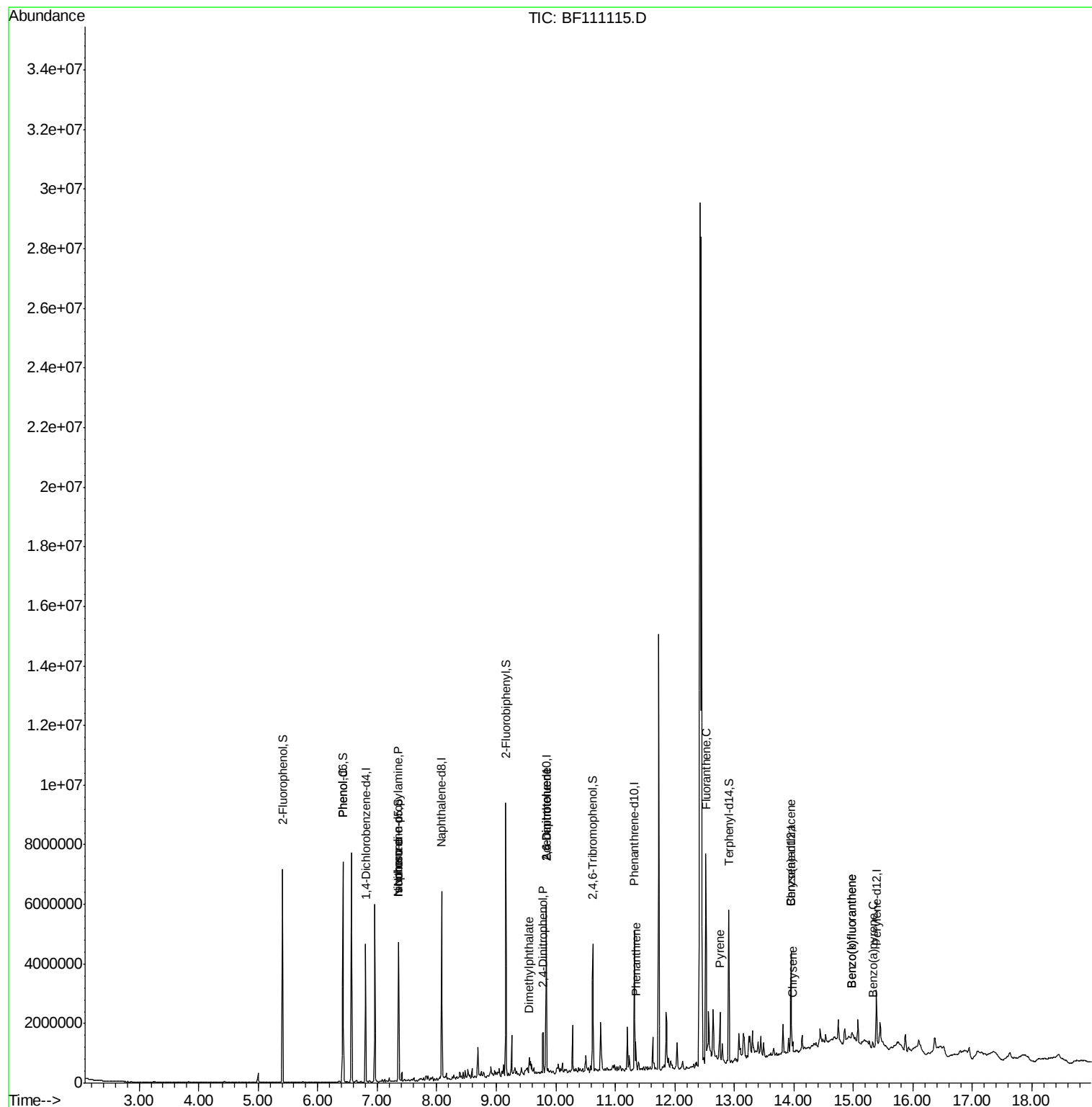
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) Benzaldehyde	6.35	77	2076	Below Cal		# 63
10) Phenol	6.43	94	137825	2.647	ng	90
19) n-Nitroso-di-n-propylamine	7.36	70	189935	5.918	ng	# 76
25) Isophorone	7.36	82	1376419	19.661	ng	# 65
50) Dimethylphthalate	9.55	163	163723	2.332	ng	99
51) 2,6-Dinitrotoluene	9.84	165	135759	9.121	ng	# 26
54) 2,4-Dinitrophenol	9.78	184	138	6.631	ng	# 1
57) 2,4-Dinitrotoluene	9.84	165	135759	7.062	ng	# 24
71) Phenanthrene	11.35	178	338558	4.560	ng	93
75) Fluoranthene	12.53	202	356988	4.914	ng	91
77) Benzydine	12.63	184	1360	Below Cal		# 1
78) Pyrene	12.76	202	332690	3.910	ng	96
81) Benzo(a)anthracene	13.94	228	141768	2.216	ng	98
83) Chrysene	13.98	228	140219	2.207	ng	96
88) Benzo(b)fluoranthene	14.97	252	180958	3.953	ng	# 88
89) Benzo(k)fluoranthene	14.97	252	180958	4.089	ng	# 88
90) Benzo(a)pyrene	15.33	252	94194	2.243	ng	# 93

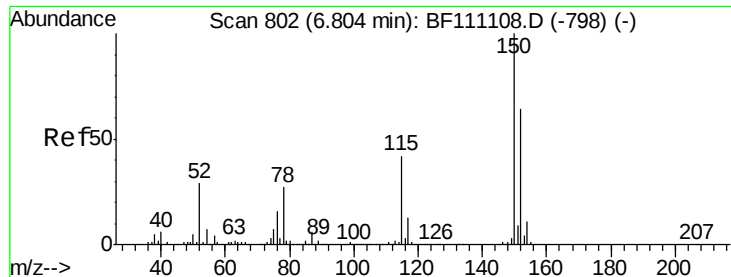
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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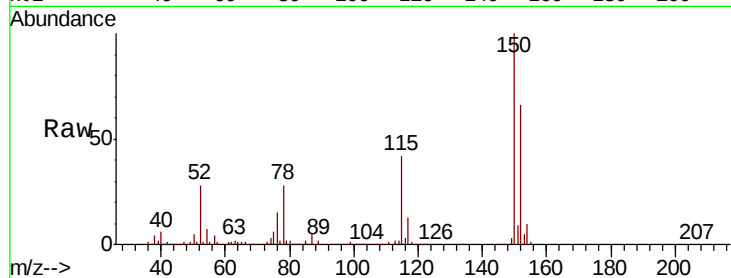


#1

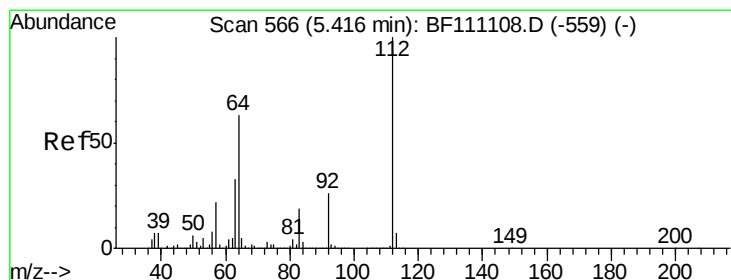
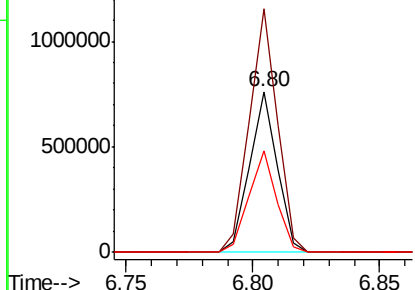
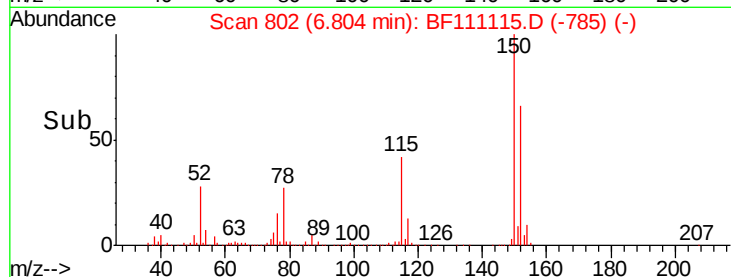
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.80 min Scan# 802
Delta R.T. -0.00 min
Lab File: BF111115.D
Acq: 5 Dec 2018 18:58

Instrument :
BNA_F
ClientSampleId :
JC-02-113018-A

Tgt Ion:152 Resp: 578502
Ion Ratio Lower Upper
152 100
150 151.7 124.6 187.0
115 63.2 52.2 78.2



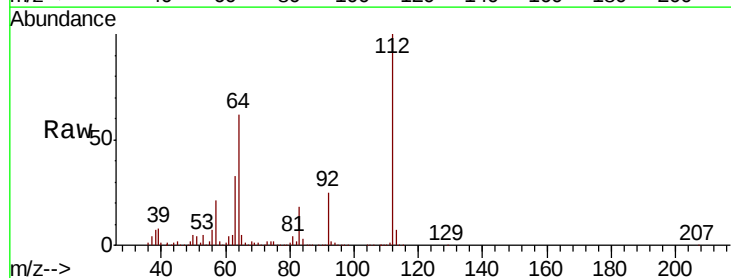
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



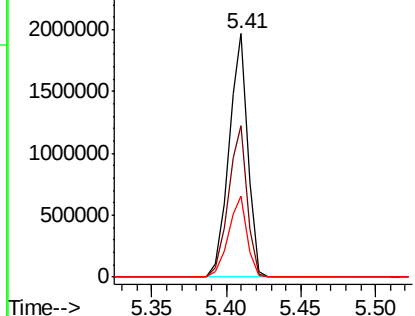
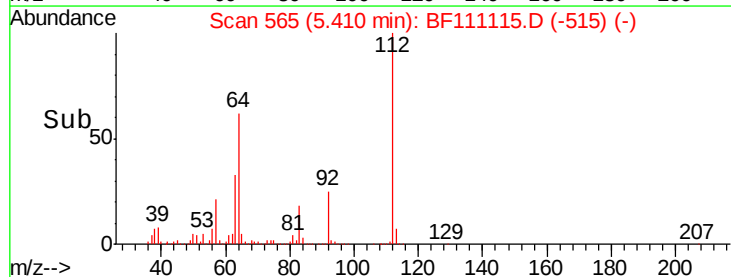
#5

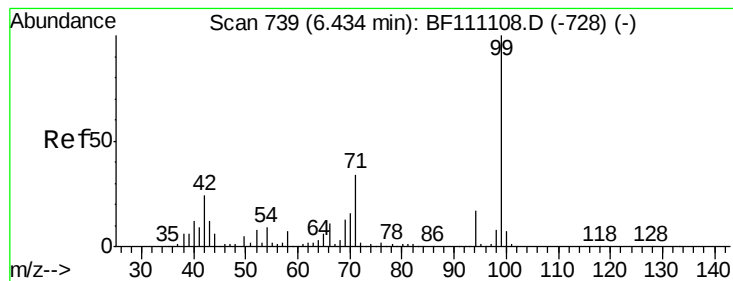
2-Fluorophenol
Concen: 47.454 ng
RT: 5.41 min Scan# 566
Delta R.T. -0.01 min
Lab File: BF111115.D
Acq: 5 Dec 2018 18:58

Tgt Ion:112 Resp: 1759246
Ion Ratio Lower Upper
112 100
64 62.5 50.2 75.4
63 33.2 26.6 39.8



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: 48.163 ng

RT: 6.43 min Scan# 738

Delta R.T. -0.01 min

Lab File: BF111115.D

Acq: 5 Dec 2018 18:58

Instrument :

BNA_F

ClientSampleId :

JC-02-113018-A

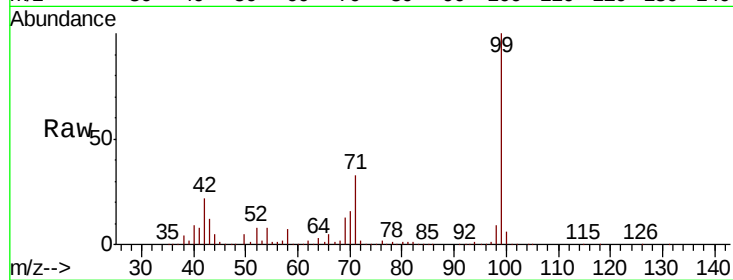
Tgt Ion: 99 Resp: 2300092

Ion Ratio Lower Upper

99 100

42 22.2 19.3 28.9

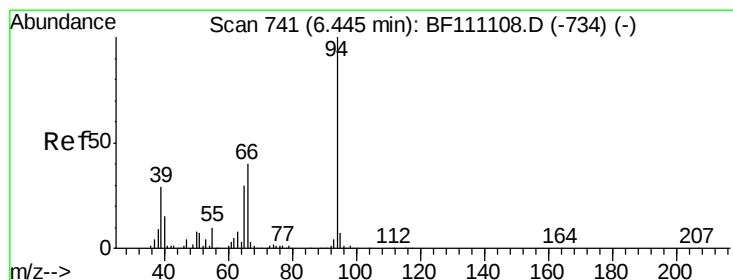
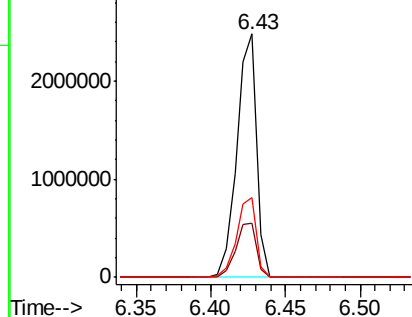
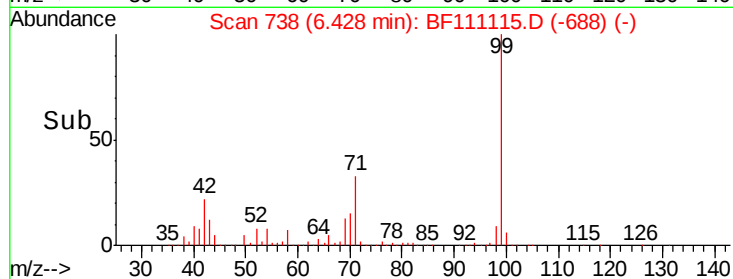
71 32.9 27.4 41.2



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: 2.647 ng

RT: 6.43 min Scan# 739

Delta R.T. -0.01 min

Lab File: BF111115.D

Acq: 5 Dec 2018 18:58

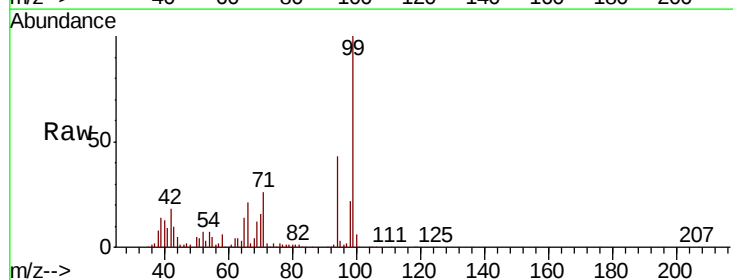
Tgt Ion: 94 Resp: 137825

Ion Ratio Lower Upper

94 100

65 32.6 10.5 50.5

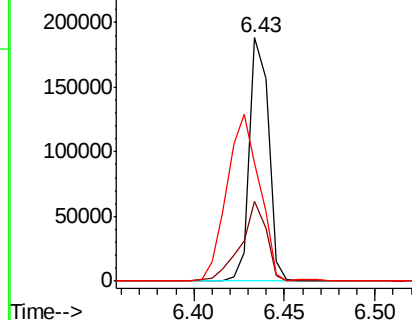
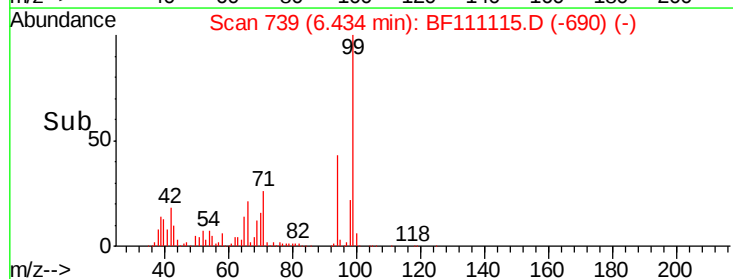
66 48.6 19.8 59.8

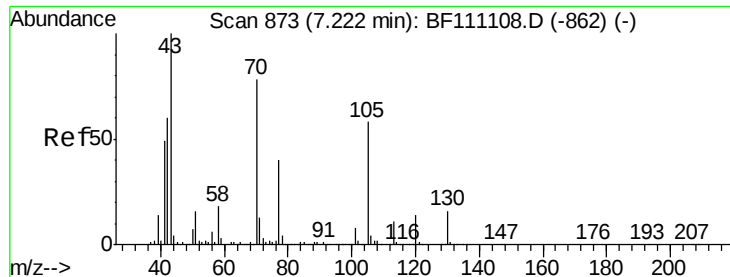


Abundance Ion 94.00 (93.70 to 94.70): BF1

Ion 65.00 (64.70 to 65.70): BF1

Ion 66.00 (65.70 to 66.70): BF1

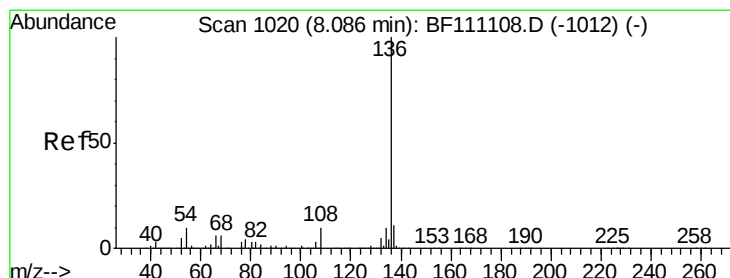
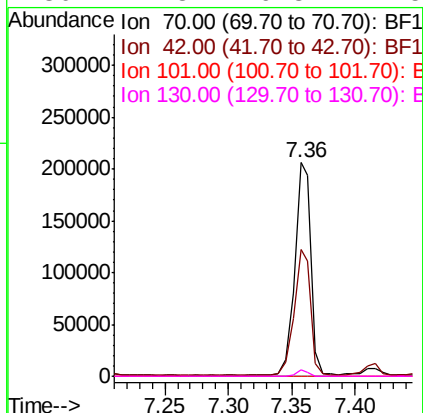
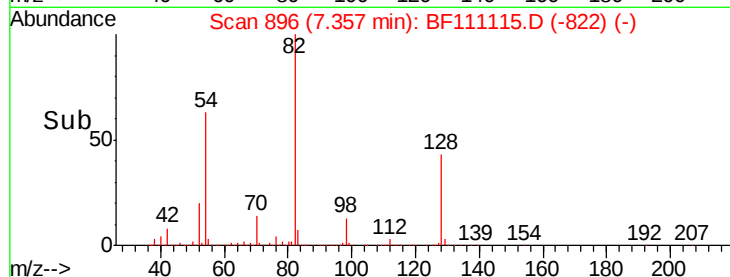
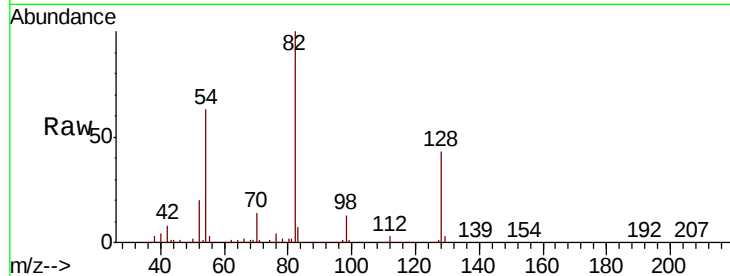




#19
n-Nitroso-di-n-propylamine
Concen: 5.918 ng
RT: 7.36 min Scan# 896
Delta R.T. 0.14 min
Lab File: BF111115.D
Acq: 5 Dec 2018 18:58

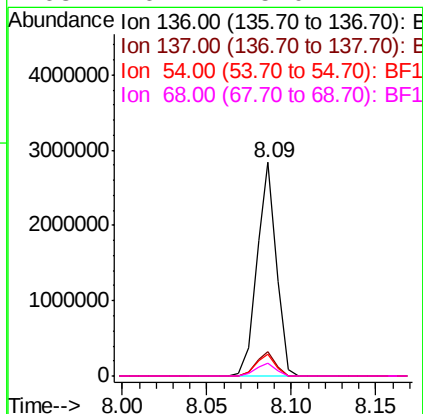
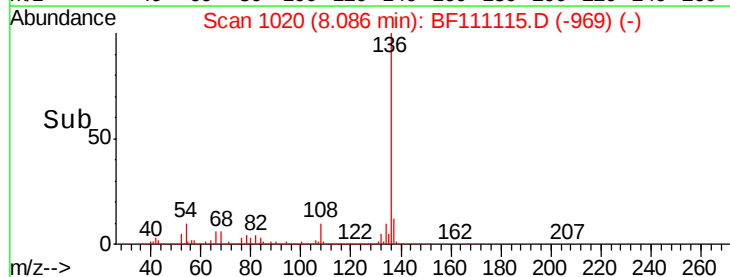
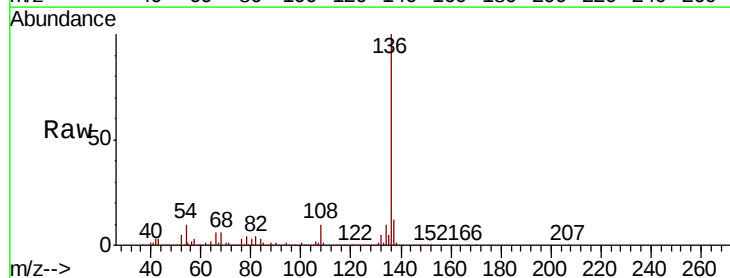
Instrument :
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ClientSampleId :
JC-02-113018-A

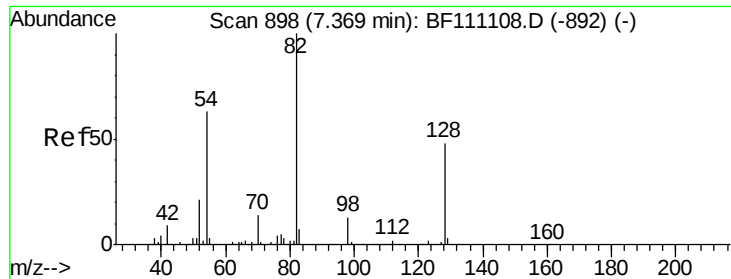
Tgt Ion: 70 Resp: 189935
Ion Ratio Lower Upper
70 100
42 59.6 61.3 91.9#
101 0.0 7.7 11.5#
130 2.8 16.3 24.5#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.09 min Scan# 1020
Delta R.T. -0.00 min
Lab File: BF111115.D
Acq: 5 Dec 2018 18:58

Tgt Ion: 136 Resp: 2258448
Ion Ratio Lower Upper
136 100
137 11.7 9.0 13.6
54 10.2 8.4 12.6
68 6.2 5.0 7.4

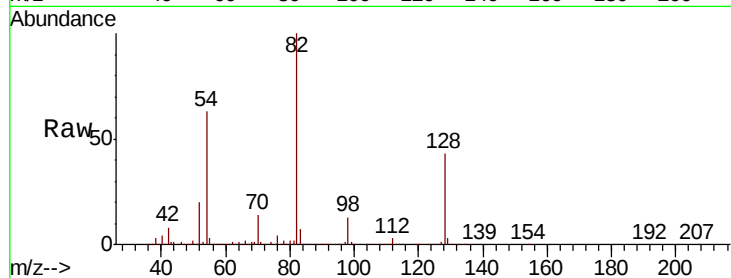




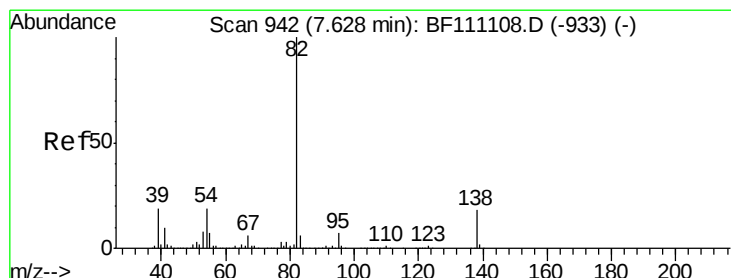
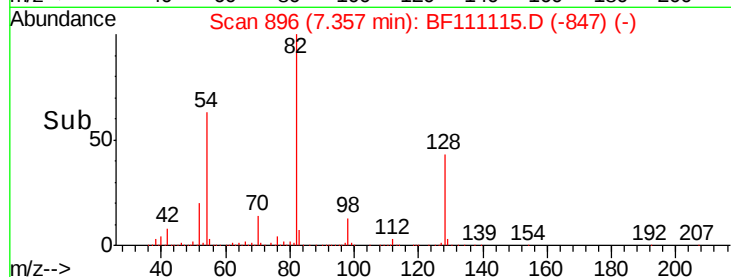
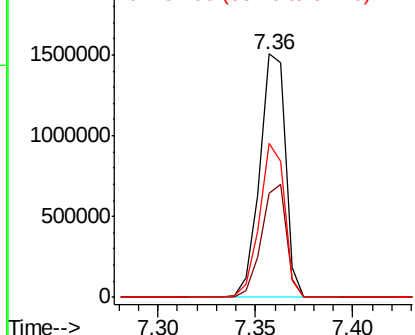
#23
Nitrobenzene-d5
Concen: 36.309 ng
RT: 7.36 min Scan# 896
Delta R.T. -0.01 min
Lab File: BF111115.D
Acq: 5 Dec 2018 18:58

Instrument :
BNA_F
ClientSampleId :
JC-02-113018-A

Tgt Ion: 82 Resp: 1385070
Ion Ratio Lower Upper
82 100
128 42.9 38.1 57.1
54 63.2 50.3 75.5

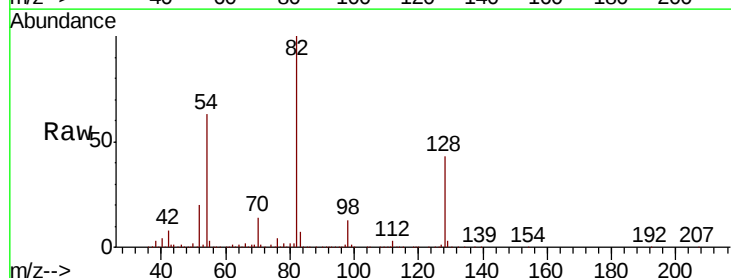


Abundance Ion 82.00 (81.70 to 82.70): BF1
Ion 128.00 (127.70 to 128.70): BF1
Ion 54.00 (53.70 to 54.70): BF1

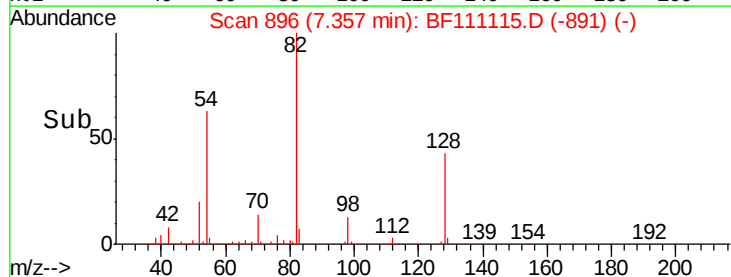
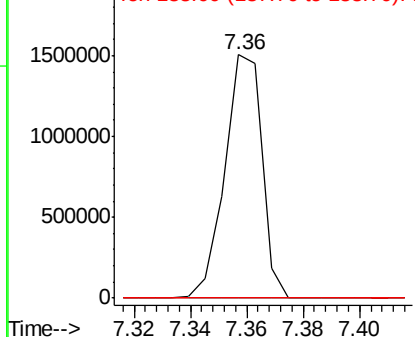


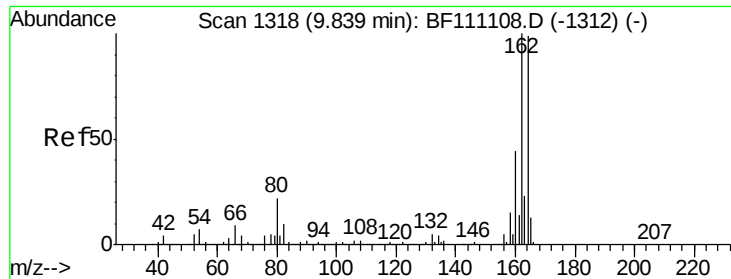
#25
Isophorone
Concen: 19.661 ng
RT: 7.36 min Scan# 896
Delta R.T. -0.27 min
Lab File: BF111115.D
Acq: 5 Dec 2018 18:58

Tgt Ion: 82 Resp: 1376419
Ion Ratio Lower Upper
82 100
95 0.1 5.6 8.4#
138 0.0 14.6 22.0#



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

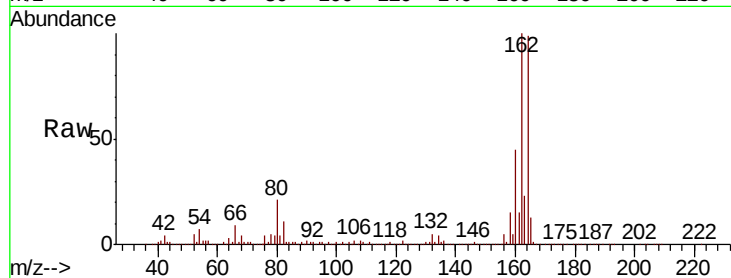




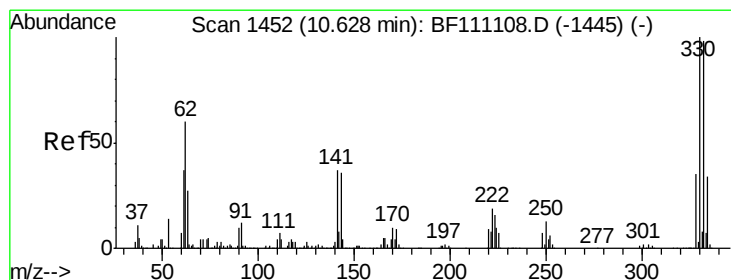
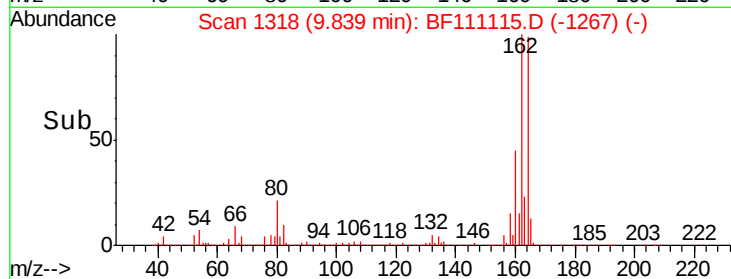
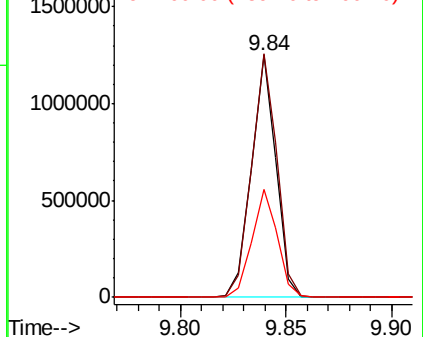
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.84 min Scan# 1318
Delta R.T. -0.00 min
Lab File: BF111115.D
Acq: 5 Dec 2018 18:58

Instrument :
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ClientSampleId :
JC-02-113018-A

Tgt Ion:164 Resp: 1008775
Ion Ratio Lower Upper
164 100
162 100.7 80.6 120.8
160 44.9 35.5 53.3

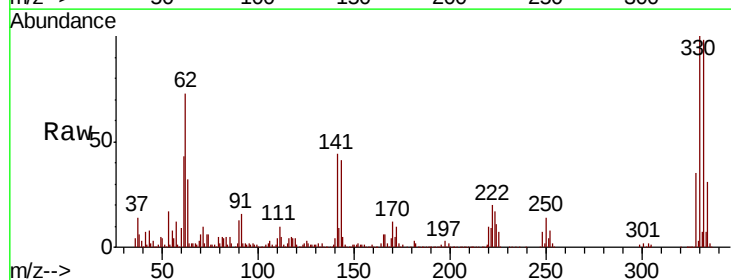


Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E

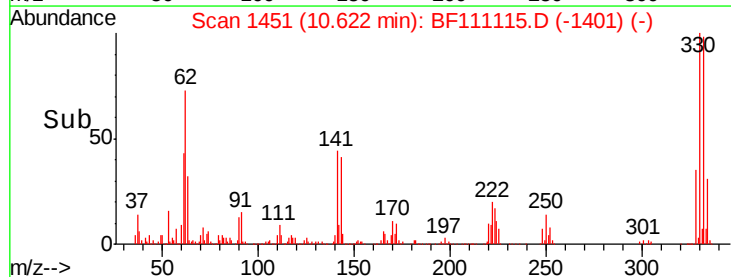
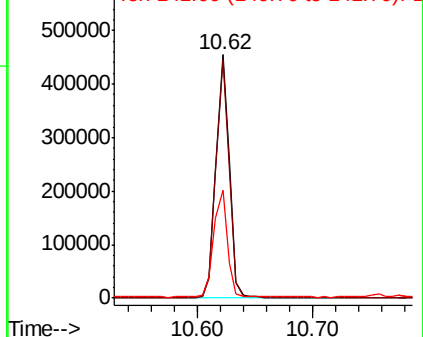


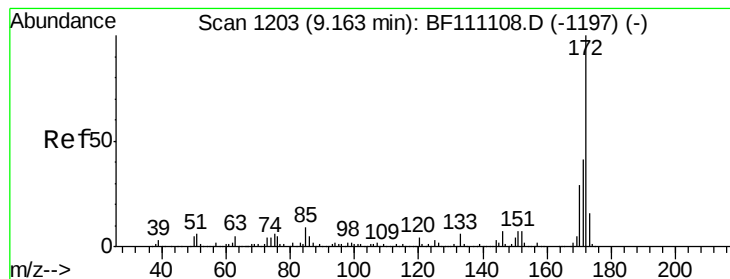
#42
2,4,6-Tribromophenol
Concen: 45.743 ng
RT: 10.62 min Scan# 1451
Delta R.T. -0.01 min
Lab File: BF111115.D
Acq: 5 Dec 2018 18:58

Tgt Ion:330 Resp: 366793
Ion Ratio Lower Upper
330 100
332 96.7 77.2 115.8
141 44.4 36.1 54.1



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: 35.467 ng

RT: 9.16 min Scan# 1203

Delta R.T. 0.00 min

Lab File: BF111115.D

Acq: 5 Dec 2018 18:58

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JC-02-113018-A

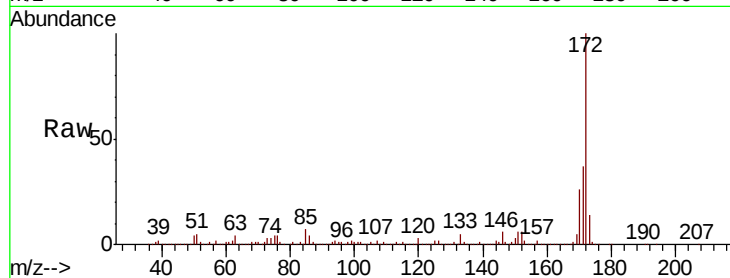
Tgt Ion:172 Resp: 2389351

Ion Ratio Lower Upper

172 100

171 37.5 33.2 49.8

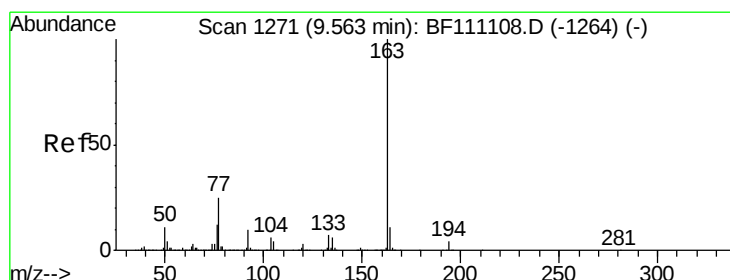
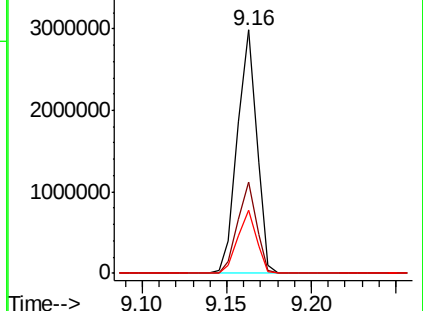
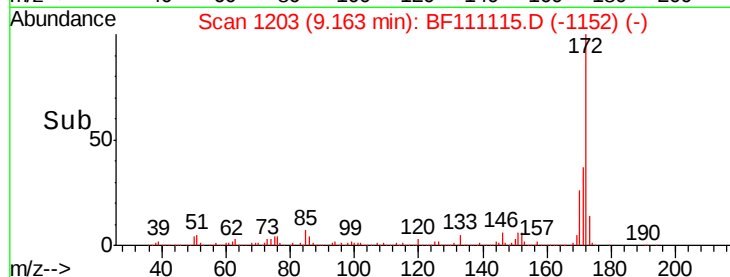
170 25.7 22.9 34.3



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: 2.332 ng

RT: 9.55 min Scan# 1269

Delta R.T. -0.01 min

Lab File: BF111115.D

Acq: 5 Dec 2018 18:58

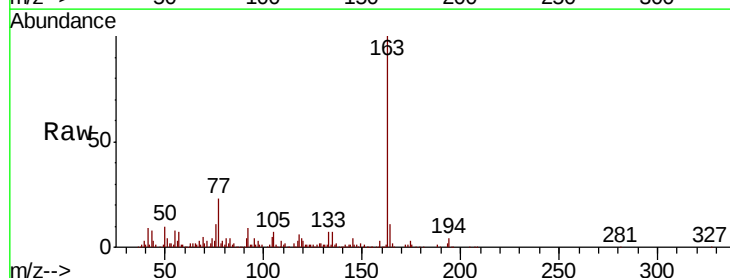
Tgt Ion:163 Resp: 163723

Ion Ratio Lower Upper

163 100

194 4.0 3.0 4.4

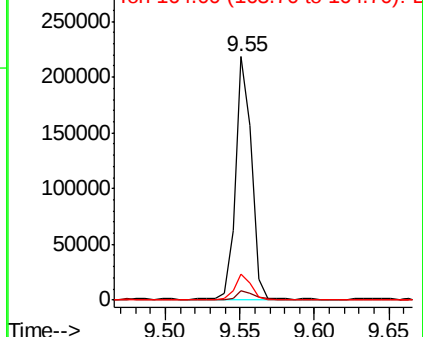
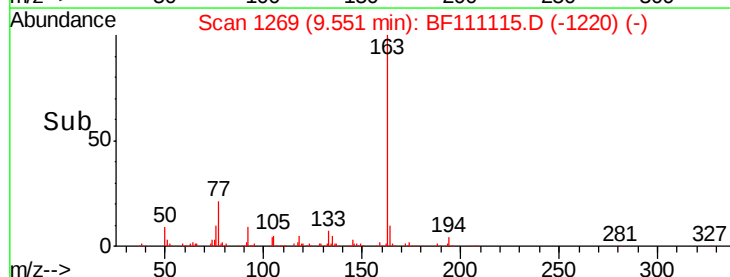
164 10.6 8.9 13.3

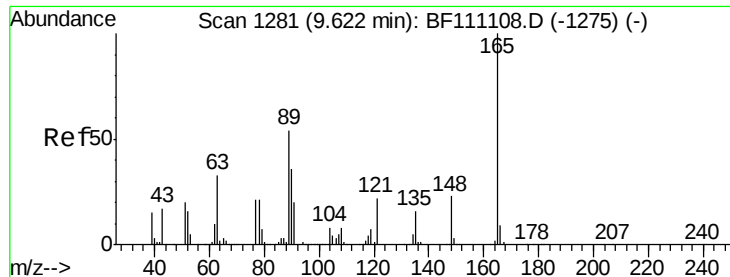


Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E

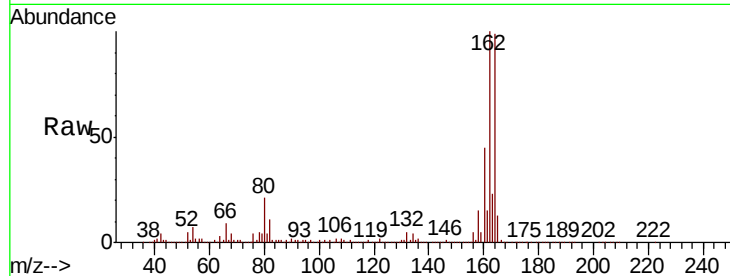




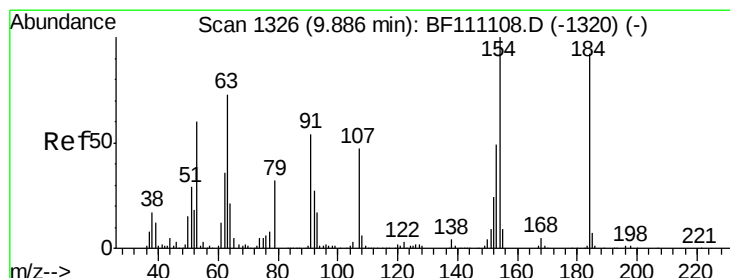
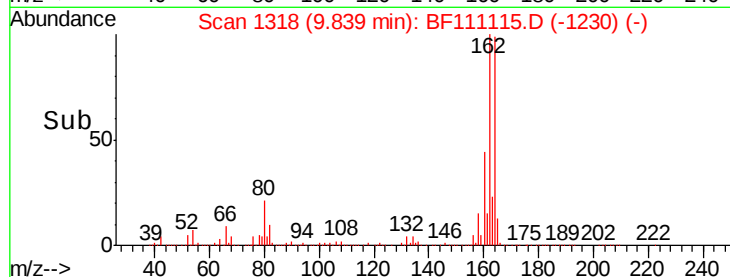
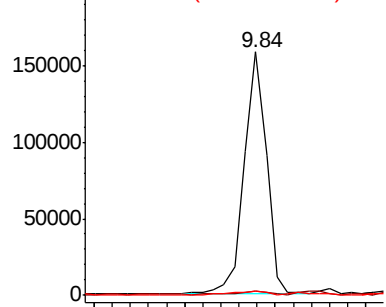
#51
 2,6-Dinitrotoluene
 Concen: 9.121 ng
 RT: 9.84 min Scan# 1318
 Delta R.T. 0.22 min
 Lab File: BF111115.D
 Acq: 5 Dec 2018 18:58

Instrument :
 BNA_F
 ClientSampleId :
 JC-02-113018-A

Tgt Ion:165 Resp: 135759
 Ion Ratio Lower Upper
 165 100
 63 1.9 44.7 67.1#
 89 1.6 43.0 64.4#

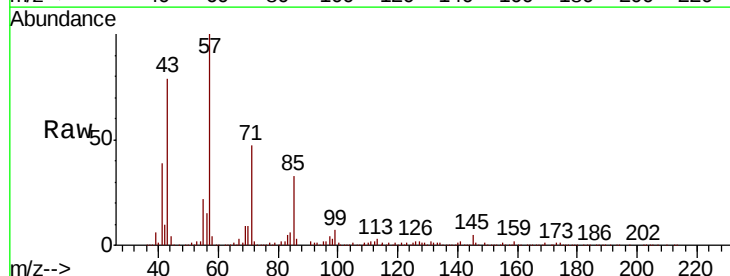


Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BF1
 Ion 89.00 (88.70 to 89.70): BF1

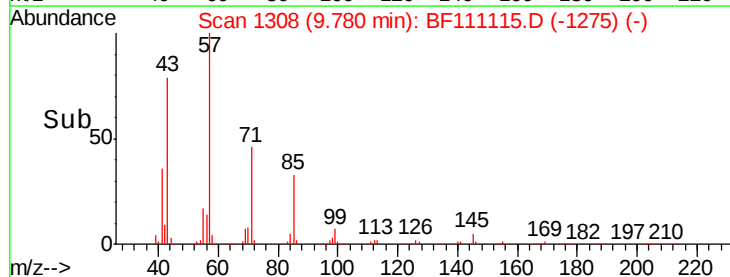
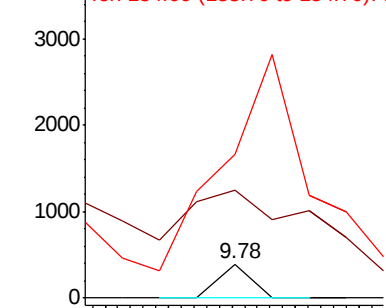


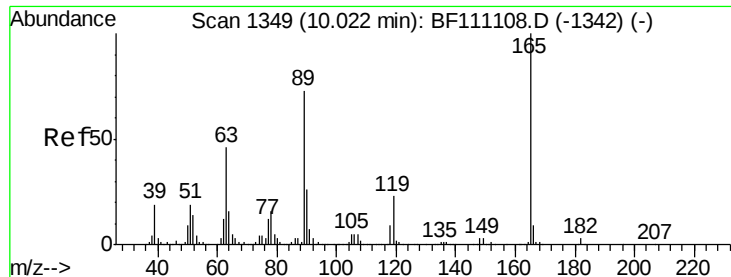
#54
 2,4-Dinitrophenol
 Concen: 6.631 ng
 RT: 9.78 min Scan# 1308
 Delta R.T. -0.11 min
 Lab File: BF111115.D
 Acq: 5 Dec 2018 18:58

Tgt Ion:184 Resp: 138
 Ion Ratio Lower Upper
 184 100
 63 321.5 64.2 96.4#
 154 427.4 89.5 134.3#



Abundance Ion 184.00 (183.70 to 184.70): E
 Ion 63.00 (62.70 to 63.70): BF1
 Ion 154.00 (153.70 to 154.70): E

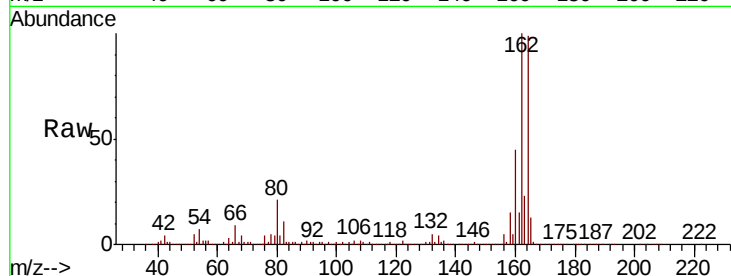




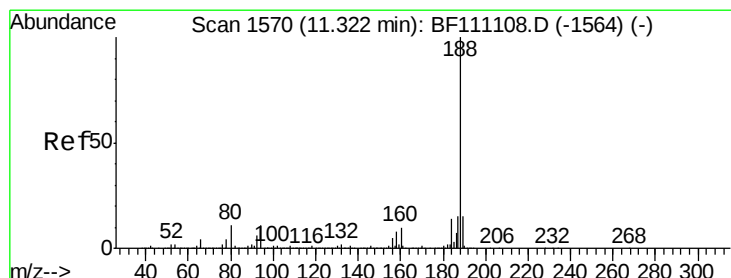
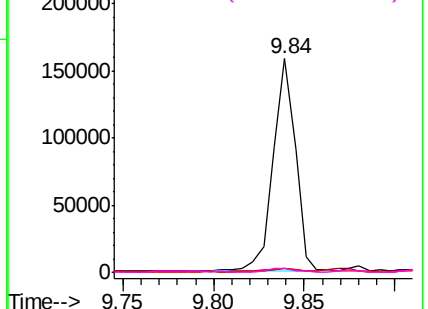
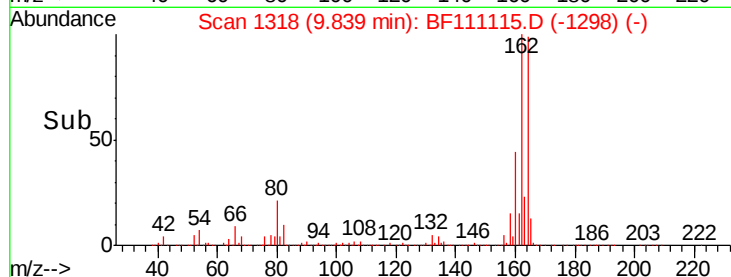
#57
2,4-Dinitrotoluene
Concen: 7.062 ng
RT: 9.84 min Scan# 1318
Delta R.T. -0.18 min
Lab File: BF111115.D
Acq: 5 Dec 2018 18:58

Instrument :
BNA_F
ClientSampleId :
JC-02-113018-A

Tgt Ion:165 Resp: 135759
Ion Ratio Lower Upper
165 100
63 1.9 36.7 55.1#
89 1.6 58.4 87.6#
182 1.8 2.1 3.1#

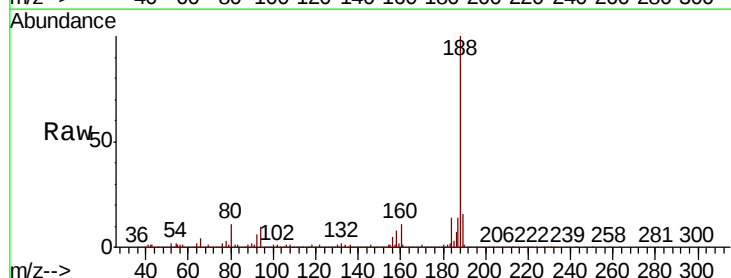


Abundance Ion 165.00 (164.70 to 165.70): E
250000
Ion 63.00 (62.70 to 63.70): BF1
Ion 89.00 (88.70 to 89.70): BF1
Ion 182.00 (181.70 to 182.70): E

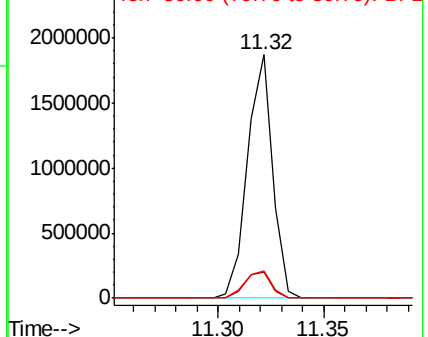
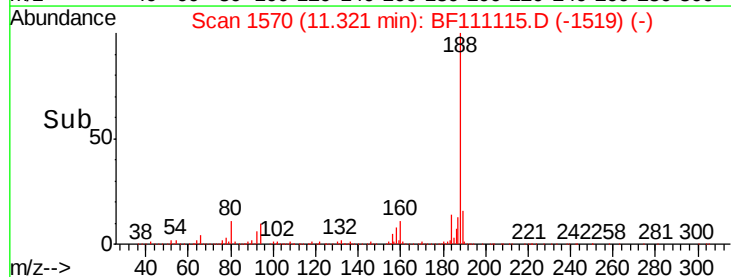


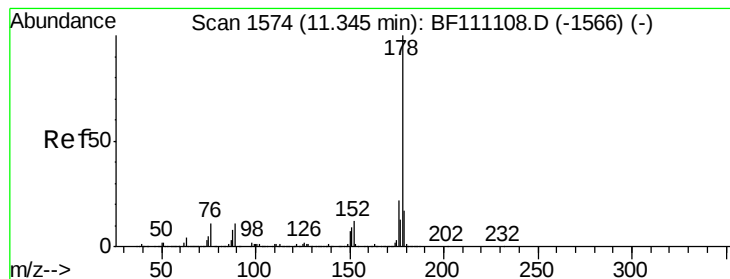
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.32 min Scan# 1570
Delta R.T. -0.00 min
Lab File: BF111115.D
Acq: 5 Dec 2018 18:58

Tgt Ion:188 Resp: 1543379
Ion Ratio Lower Upper
188 100
94 10.5 8.5 12.7
80 11.3 9.0 13.6



Abundance Ion 188.00 (187.70 to 188.70): E
2500000
Ion 94.00 (93.70 to 94.70): BF1
Ion 80.00 (79.70 to 80.70): BF1





#71

Phenanthrene

Concen: 4.560 ng

RT: 11.35 min Scan# 1574

Delta R.T. -0.00 min

Lab File: BF111115.D

Acq: 5 Dec 2018 18:58

Instrument :

BNA_F

ClientSampleId :

JC-02-113018-A

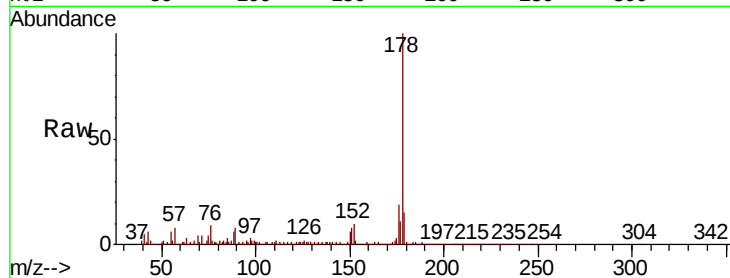
Tgt Ion:178 Resp: 338558

Ion Ratio Lower Upper

178 100

176 18.6 17.7 26.5

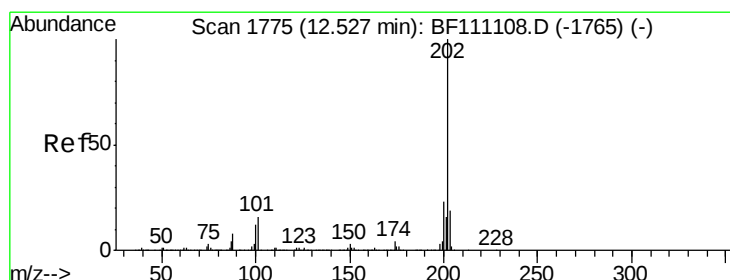
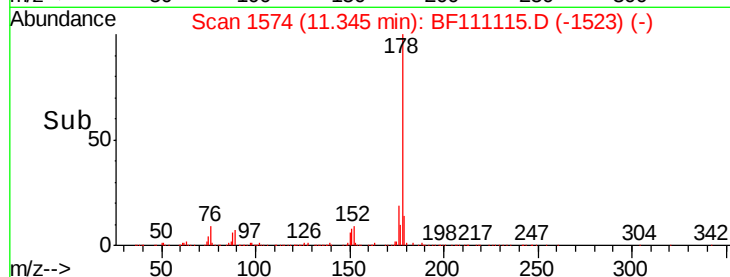
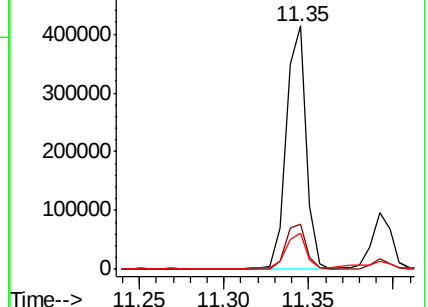
179 15.0 14.0 21.0



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: 4.914 ng

RT: 12.53 min Scan# 1775

Delta R.T. -0.00 min

Lab File: BF111115.D

Acq: 5 Dec 2018 18:58

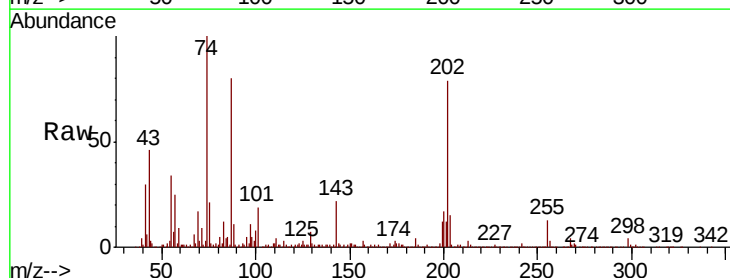
Tgt Ion:202 Resp: 356988

Ion Ratio Lower Upper

202 100

101 23.5 0.0 35.8

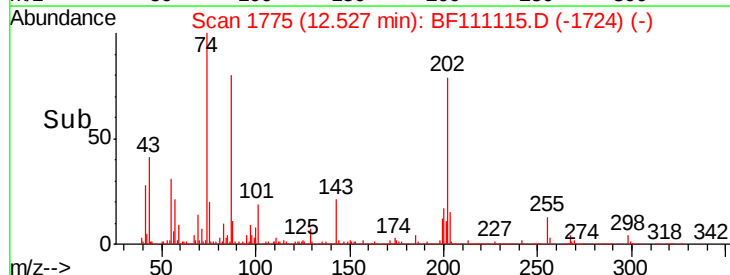
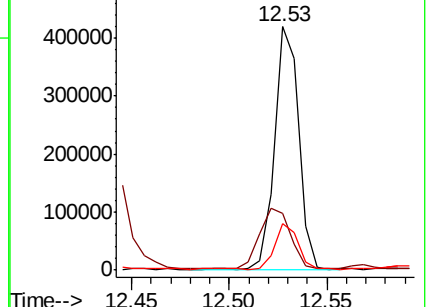
203 18.9 0.0 38.6

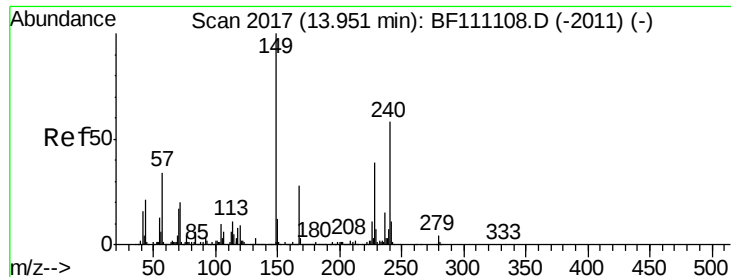


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E

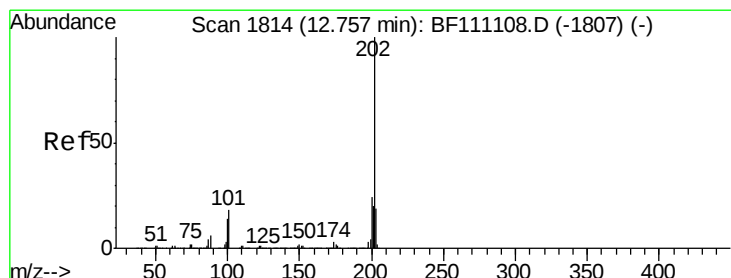
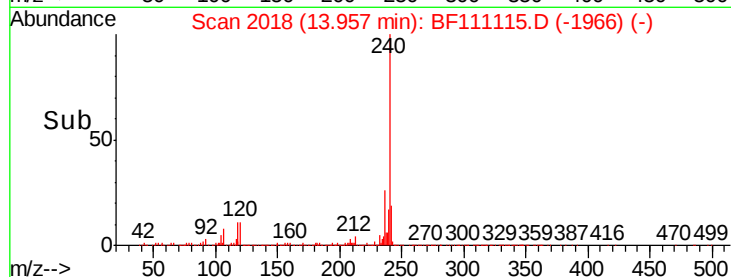
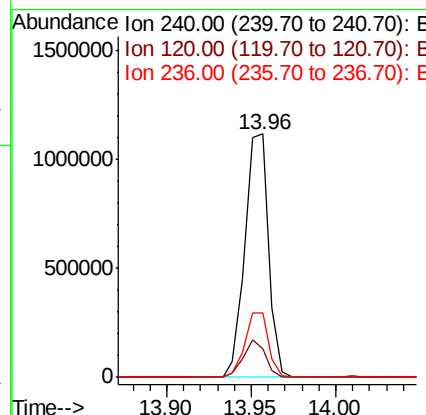
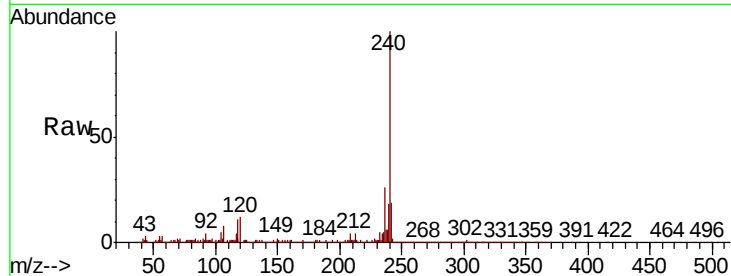




#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.96 min Scan# 2018
Delta R.T. 0.01 min
Lab File: BF111115.D
Acq: 5 Dec 2018 18:58

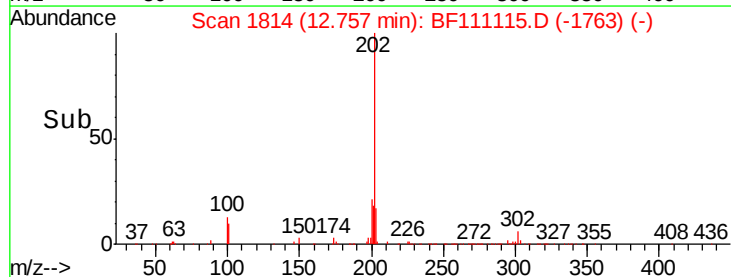
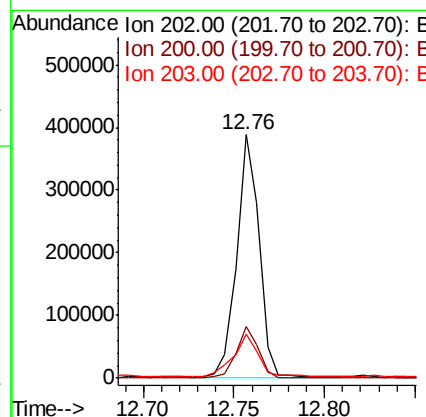
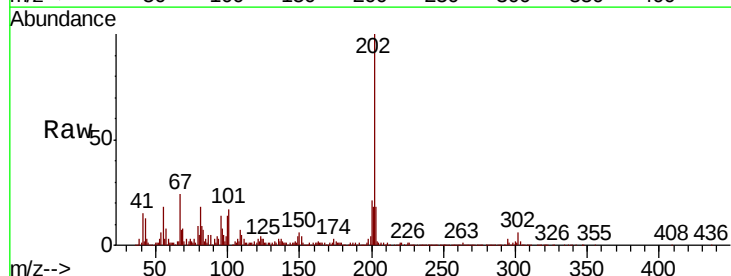
Instrument :
BNA_F
ClientSampleId :
JC-02-113018-A

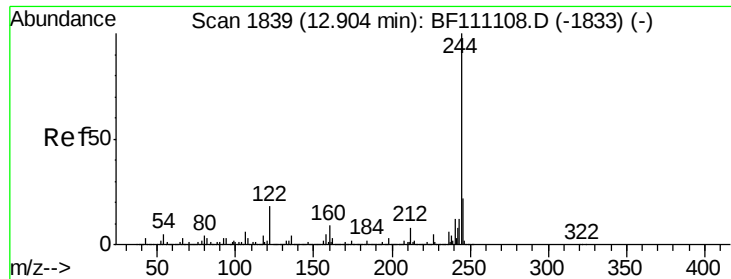
Tgt Ion:240 Resp: 1092094
Ion Ratio Lower Upper
240 100
120 11.7 12.8 19.2#
236 26.2 21.1 31.7



#78
Pyrene
Concen: 3.910 ng
RT: 12.76 min Scan# 1814
Delta R.T. -0.00 min
Lab File: BF111115.D
Acq: 5 Dec 2018 18:58

Tgt Ion:202 Resp: 332690
Ion Ratio Lower Upper
202 100
200 21.3 19.3 28.9
203 18.0 15.4 23.2





#79

Terphenyl-d14

Concen: 31.562 ng

RT: 12.91 min Scan# 1840

Delta R.T. 0.01 min

Lab File: BF111115.D

Acq: 5 Dec 2018 18:58

Instrument :

BNA_F

ClientSampleId :

JC-02-113018-A

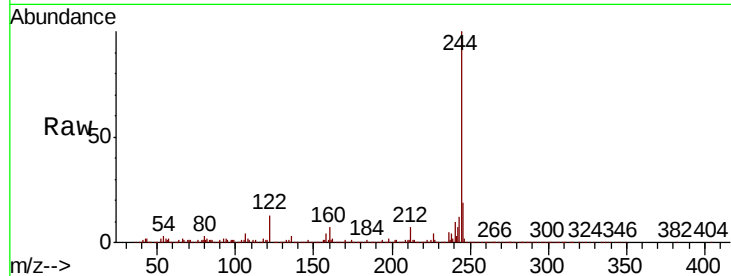
Tgt Ion:244 Resp: 1683022

Ion Ratio Lower Upper

244 100

212 6.7 6.6 9.8

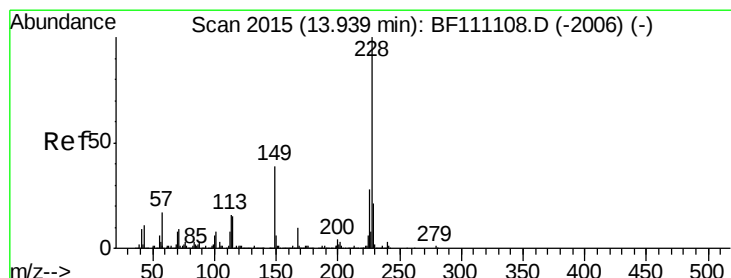
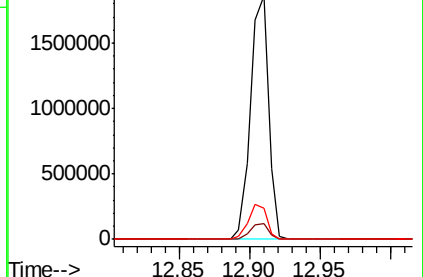
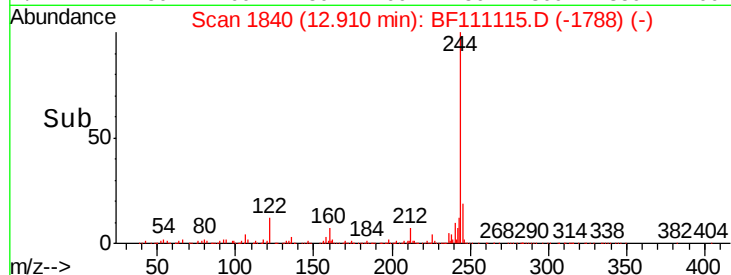
122 12.7 14.2 21.2#



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: 2.216 ng

RT: 13.94 min Scan# 2016

Delta R.T. 0.01 min

Lab File: BF111115.D

Acq: 5 Dec 2018 18:58

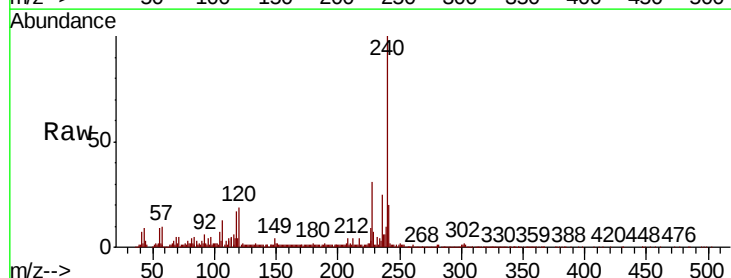
Tgt Ion:228 Resp: 141768

Ion Ratio Lower Upper

228 100

226 29.2 22.6 34.0

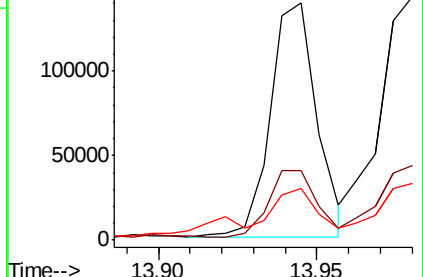
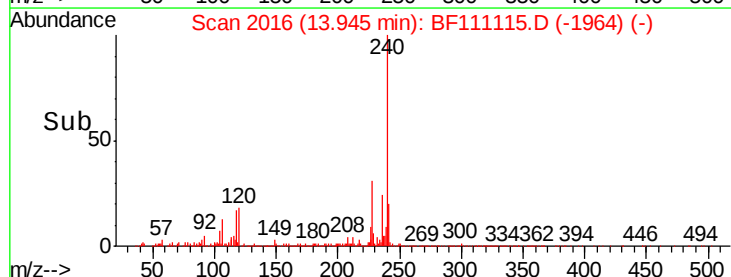
229 21.6 16.7 25.1

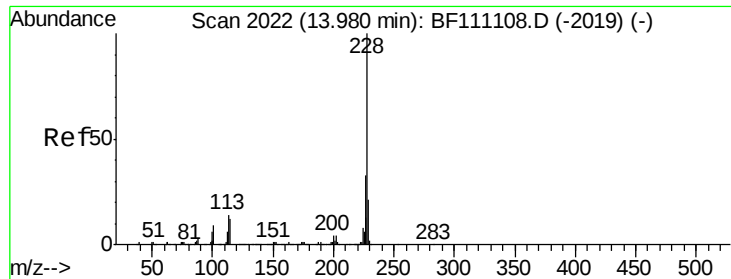


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#83

Chrysene

Concen: 2.207 ng

RT: 13.98 min Scan# 2022

Delta R.T. -0.00 min

Lab File: BF111115.D

Acq: 5 Dec 2018 18:58

Instrument :

BNA_F

ClientSampleId :

JC-02-113018-A

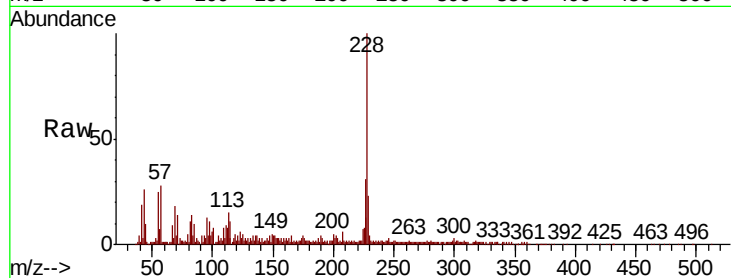
Tgt Ion:228 Resp: 140219

Ion Ratio Lower Upper

228 100

226 30.6 26.2 39.2

229 23.1 16.9 25.3



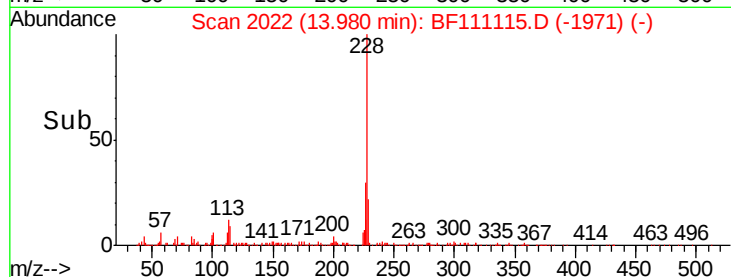
Abundance

Ion 228.00 (227.70 to 228.70): E

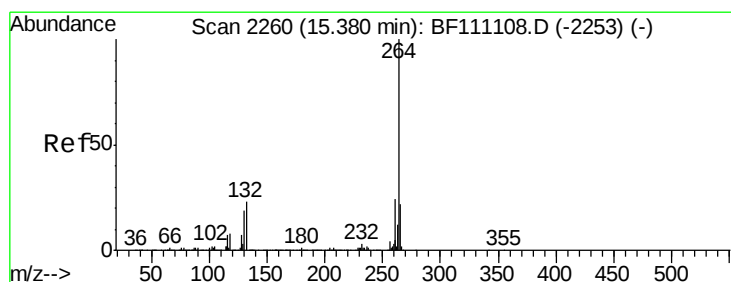
Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

13.98



Time-->



#87

Perylene-d12

Concen: 20.000 ng

RT: 15.39 min Scan# 2262

Delta R.T. 0.01 min

Lab File: BF111115.D

Acq: 5 Dec 2018 18:58

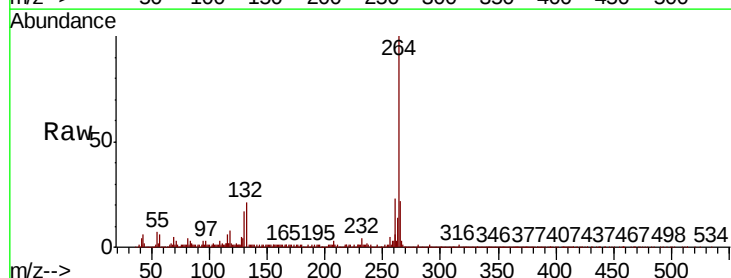
Tgt Ion:264 Resp: 807845

Ion Ratio Lower Upper

264 100

260 23.1 19.4 29.0

265 22.4 17.4 26.0



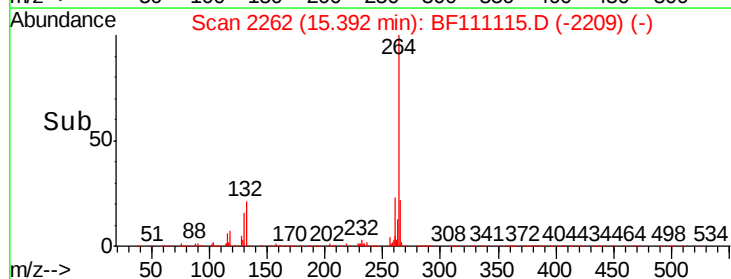
Abundance

Ion 264.00 (263.70 to 264.70): E

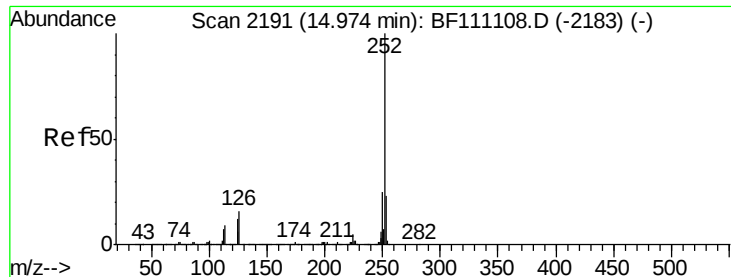
Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E

15.39



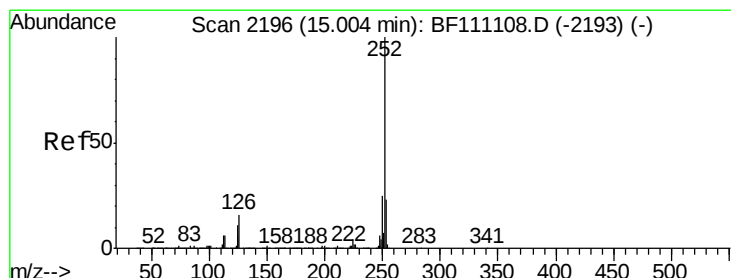
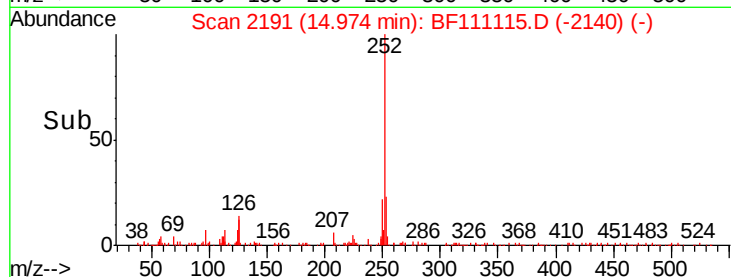
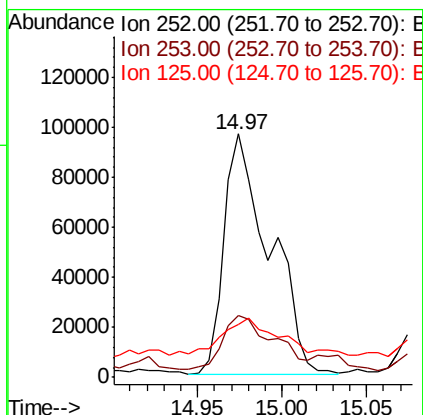
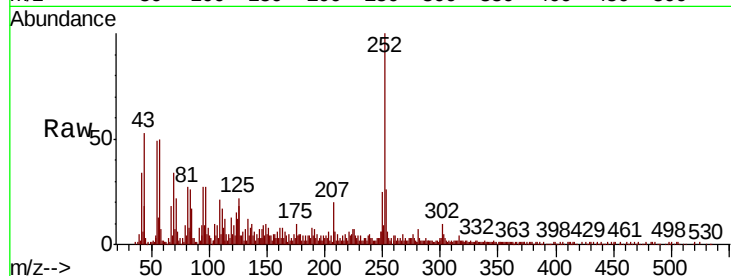
Time-->



#88
Benzo(b)fluoranthene
Concen: 3.953 ng
RT: 14.97 min Scan# 2191
Delta R.T. -0.00 min
Lab File: BF111115.D
Acq: 5 Dec 2018 18:58

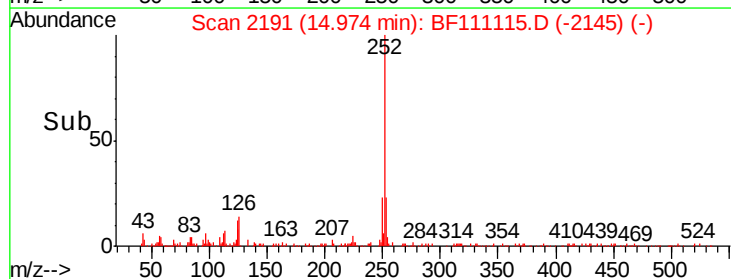
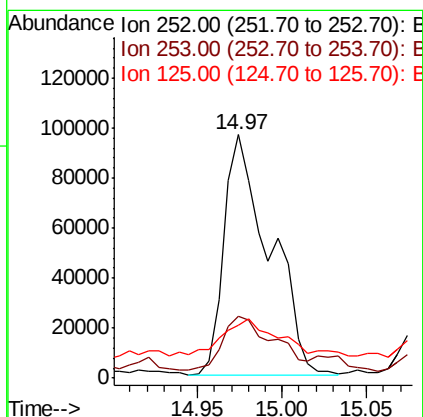
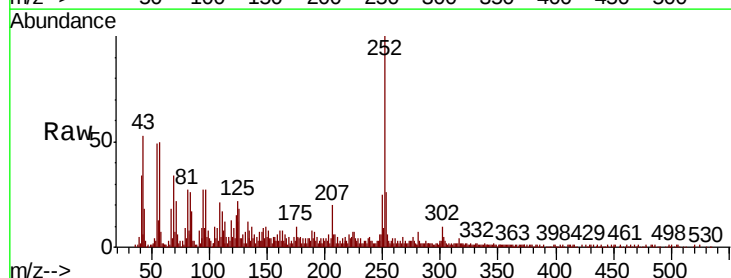
Instrument :
BNA_F
ClientSampleId :
JC-02-113018-A

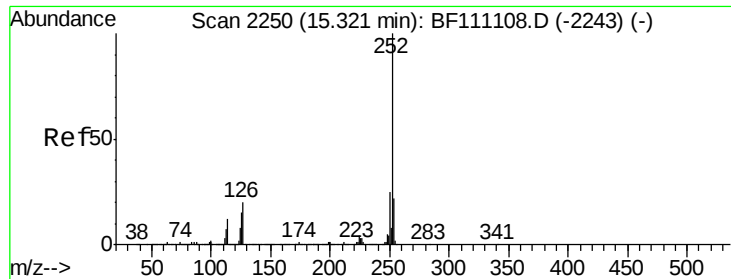
Tgt Ion	Ratio	Lower	Upper
252	100		
253	25.5	18.5	27.7
125	22.0	9.9	14.9#



#89
Benzo(k)fluoranthene
Concen: 4.089 ng
RT: 14.97 min Scan# 2191
Delta R.T. -0.03 min
Lab File: BF111115.D
Acq: 5 Dec 2018 18:58

Tgt Ion	Ratio	Lower	Upper
252	100		
253	25.5	18.2	27.4
125	22.0	9.9	14.9#





#90

Benzo(a)pyrene

Concen: 2.243 ng

RT: 15.33 min Scan# 2251

Delta R.T. 0.01 min

Lab File: BF111115.D

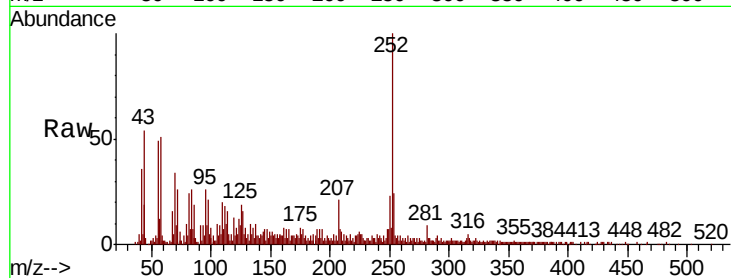
Acq: 5 Dec 2018 18:58

Instrument :

BNA_F

ClientSampleId :

JC-02-113018-A



Tgt Ion:	252	Resp:	94194
Ion	Ratio	Lower	Upper
252	100		
253	24.1	17.5	26.3
125	19.5	12.4	18.6

