

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF013019\
 Data File : BF112322.D
 Acq On : 30 Jan 2019 15:27
 Operator : JU/SJ
 Sample : K1010-09RE 5X
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Jan 30 15:58:42 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF012519.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Jan 28 10:38:18 2019
 Response via : Initial Calibration

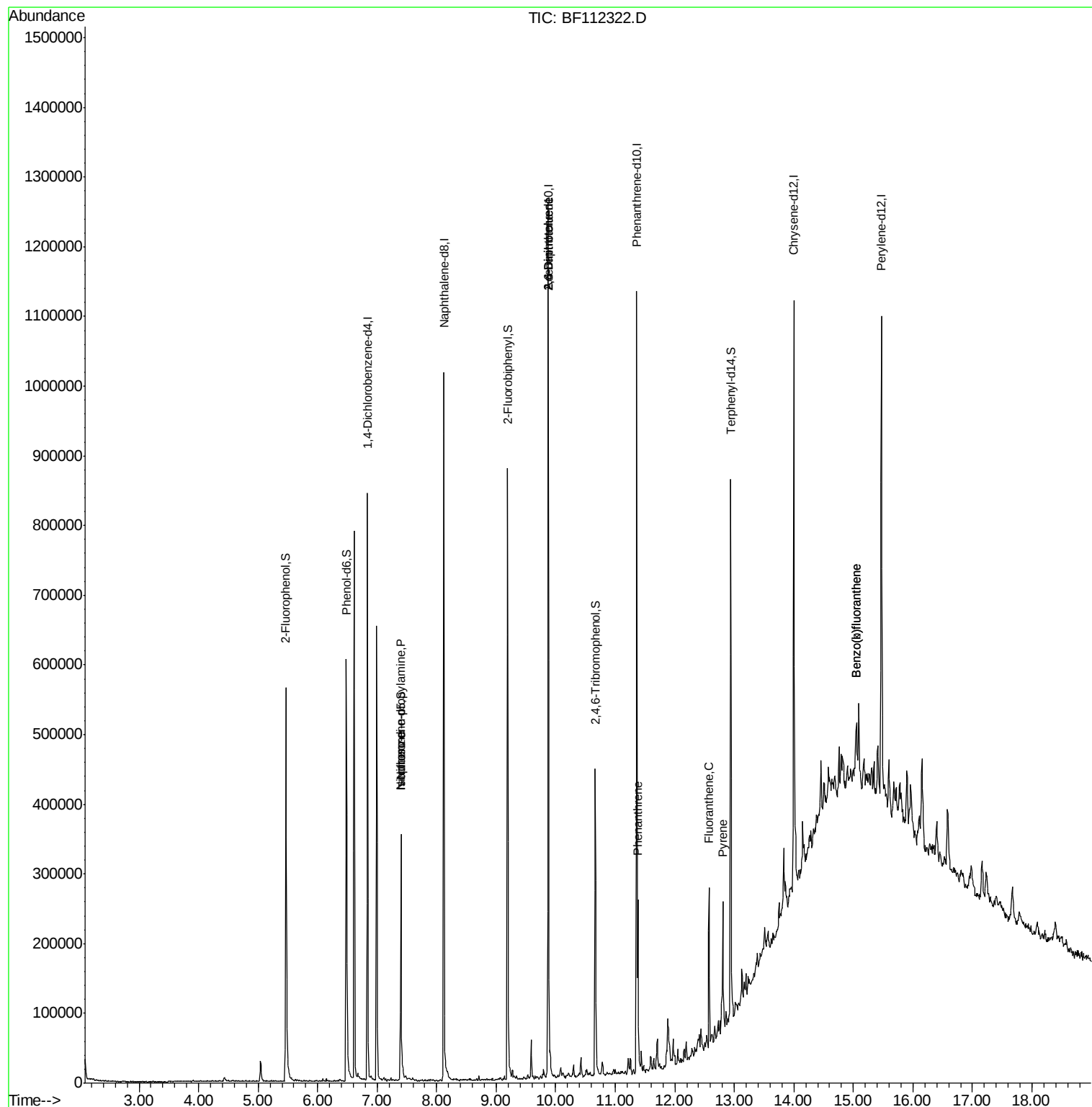
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.84	152	141915	20.00	ng	0.00
21) Naphthalene-d8	8.12	136	540587	20.00	ng	0.00
39) Acenaphthene-d10	9.87	164	254586	20.00	ng	-0.01
64) Phenanthrene-d10	11.36	188	438990	20.00	ng	-0.01
76) Chrysene-d12	14.00	240	306818	20.00	ng	0.00
87) Perylene-d12	15.47	264	294648	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.47	112	182481	27.31	ng	-0.01
7) Phenol-d6	6.48	99	229652	24.74	ng	-0.01
23) Nitrobenzene-d5	7.40	82	140145	14.94	ng	-0.01
42) 2,4,6-Tribromophenol	10.66	330	59227	19.99	ng	-0.02
45) 2-Fluorobiphenyl	9.19	172	288208	16.01	ng	-0.01
79) Terphenyl-d14	12.94	244	239202	14.68	ng	-0.01
Target Compounds						
19) n-Nitroso-di-n-propylamine	7.40	70	18358	2.868	ng	# 79
25) Isophorone	7.40	82	140144	9.522	ng	# 63
51) 2,6-Dinitrotoluene	9.87	165	32467	7.329	ng	# 34
57) 2,4-Dinitrotoluene	9.87	165	32467	5.757	ng	# 32
71) Phenanthrene	11.38	178	85935	3.765	ng	98
75) Fluoranthene	12.57	202	87010	3.555	ng	97
78) Pyrene	12.80	202	65572	3.087	ng	99
88) Benzo(b)fluoranthene	15.04	252	43610	2.475	ng	# 57
89) Benzo(k)fluoranthene	15.04	252	43610	2.584	ng	# 58

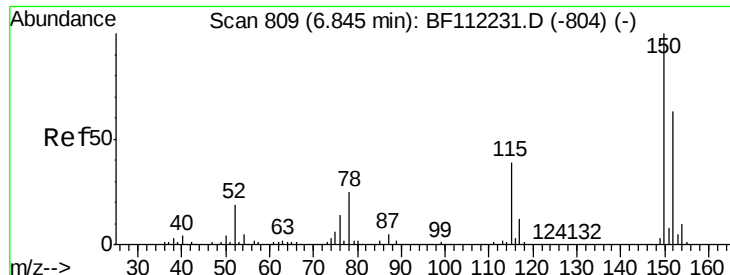
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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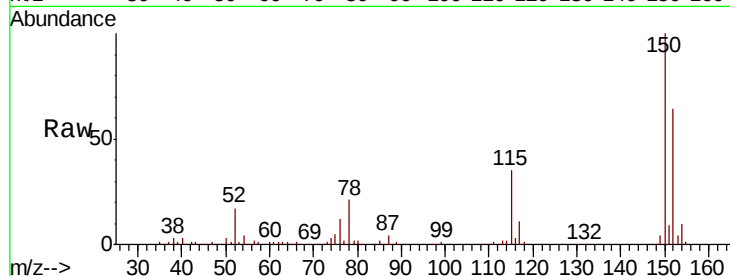


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.84 min Scan# 808
Delta R.T. -0.01 min
Lab File: BF112322.D
Acq: 30 Jan 2019 15:27

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
152	100		
150	157.1	127.4	191.0
115	54.9	45.5	68.3

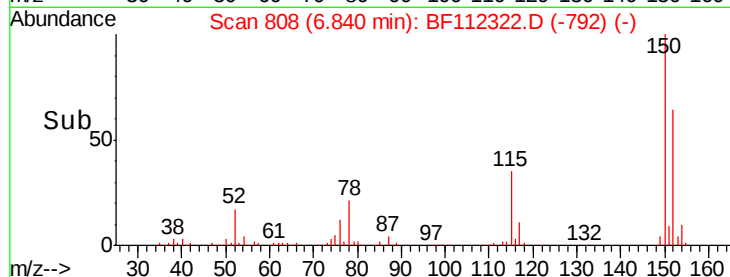
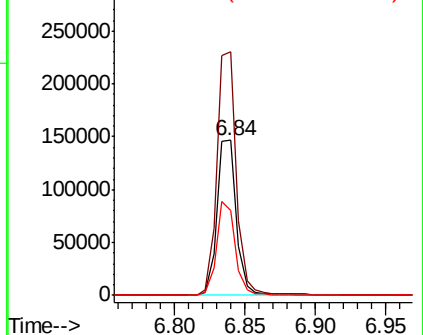


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

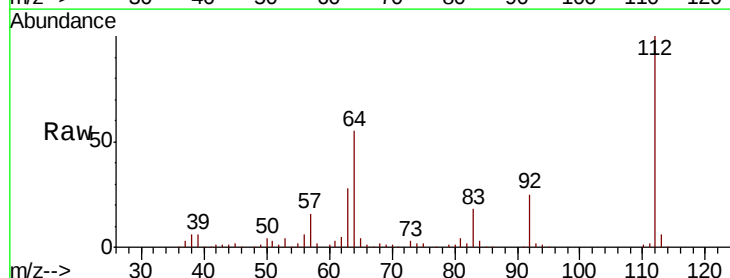
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 27.312 ng
RT: 5.47 min Scan# 575
Delta R.T. -0.01 min
Lab File: BF112322.D
Acq: 30 Jan 2019 15:27

Tgt Ion	Ratio	Lower	Upper
112	100		
64	54.9	45.7	68.5
63	28.1	23.6	35.4

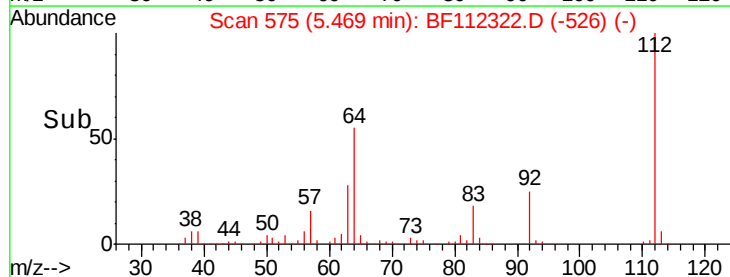
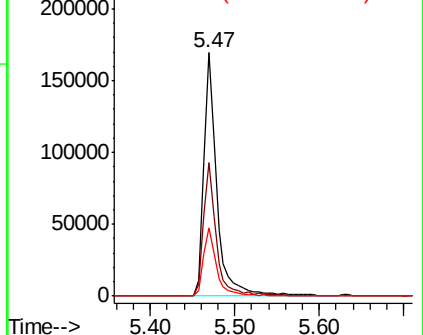


Abundance

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: 24.736 ng

RT: 6.48 min Scan# 747

Delta R.T. -0.01 min

Lab File: BF112322.D

Acq: 30 Jan 2019 15:27

Instrument :

BNA_F

ClientSampled :

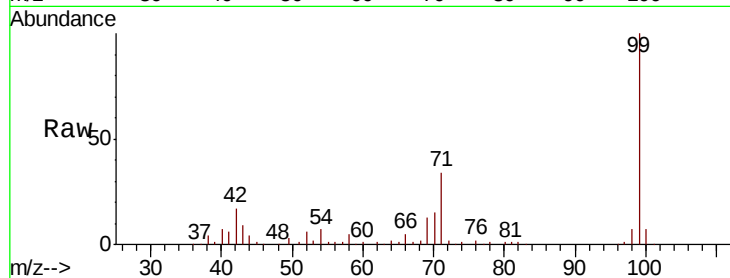
Tot Ion: 99 Resp: 229652

Ion Ratio Lower Upper

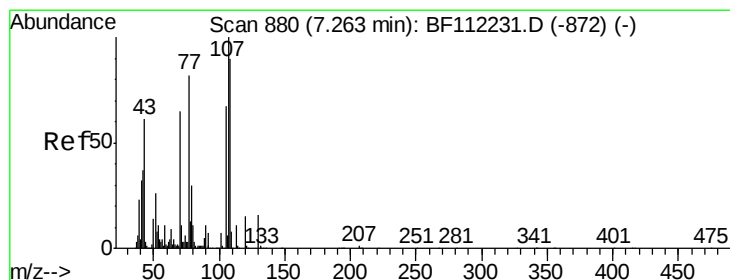
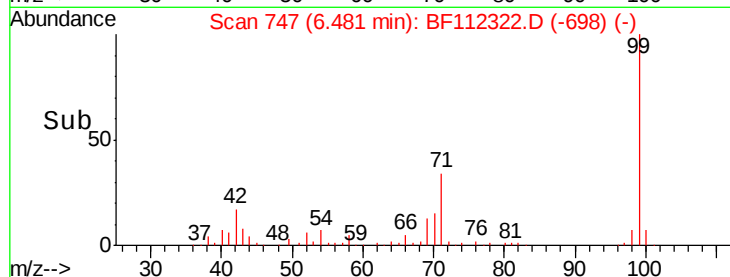
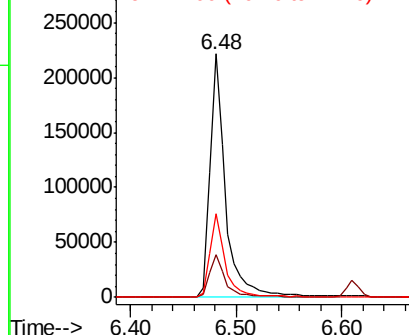
99 100

42 17.4 15.1 22.7

71 34.4 26.9 40.3



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: 2.868 ng

RT: 7.40 min Scan# 903

Delta R.T. 0.14 min

Lab File: BF112322.D

Acq: 30 Jan 2019 15:27

Tgt Ion: 70 Resp: 18358

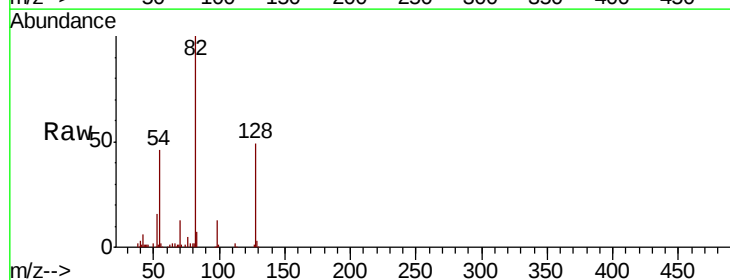
Ion Ratio Lower Upper

70 100

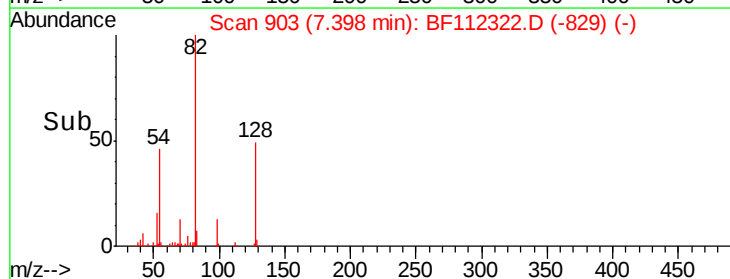
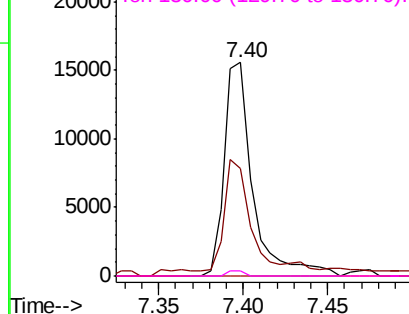
42 50.5 47.6 71.4

101 0.0 7.9 11.9#

130 2.3 18.4 27.6#



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

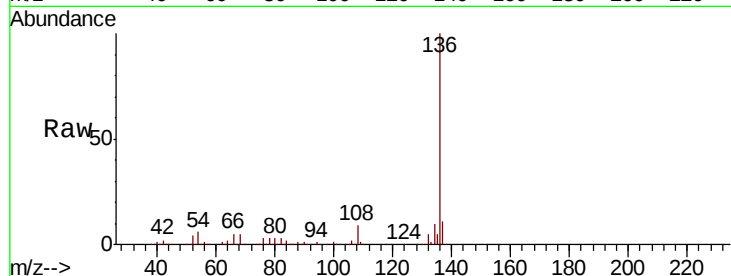




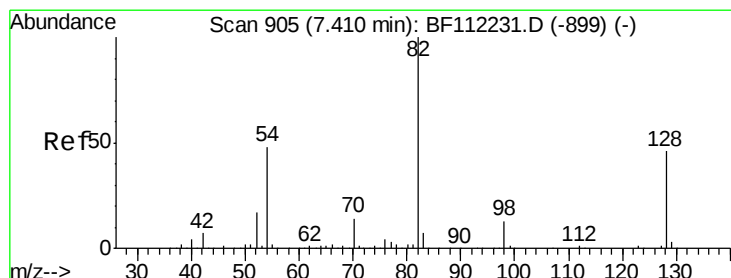
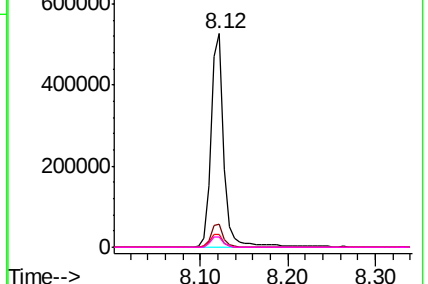
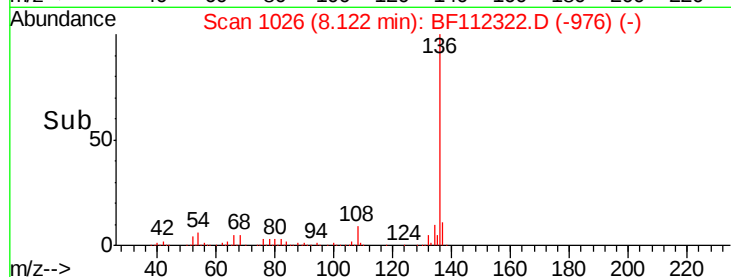
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.12 min Scan# 1026
Delta R.T. -0.01 min
Lab File: BF112322.D
Acq: 30 Jan 2019 15:27

Instrument :
BNA_F
ClientSampleId :

Tot Ion:136	Resp:	540587
Ion	Ratio	Lower Upper
136	100	
137	10.7	9.1 13.7
54	6.0	5.9 8.9
68	4.8	5.1 7.7#

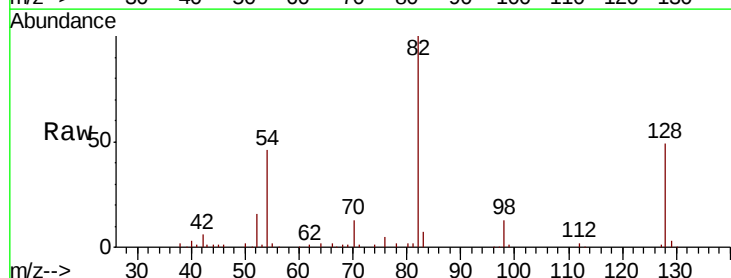


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF1
Ion 68.00 (67.70 to 68.70): BF1

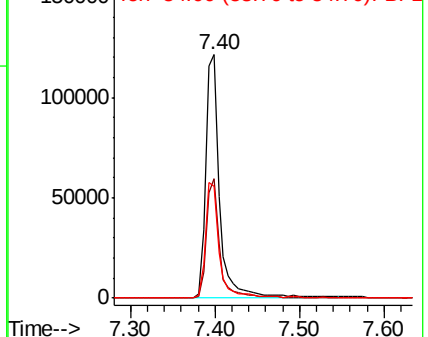
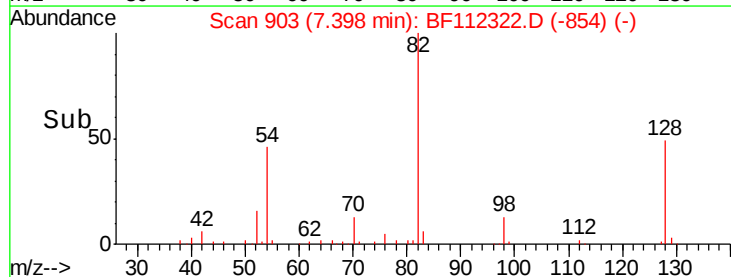


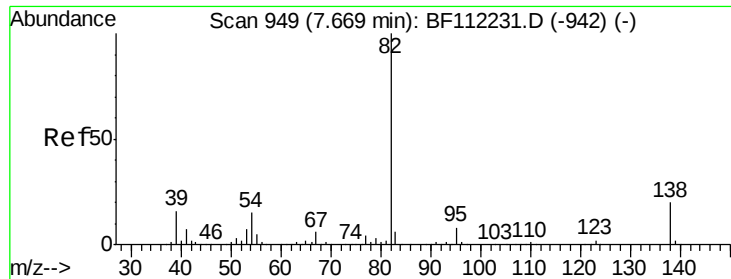
#23
Nitrobenzene-d5
Concen: 14.938 ng
RT: 7.40 min Scan# 903
Delta R.T. -0.01 min
Lab File: BF112322.D
Acq: 30 Jan 2019 15:27

Tgt Ion: 82	Resp:	140145
Ion	Ratio	Lower Upper
82	100	
128	49.2	37.8 56.8
54	45.8	39.7 59.5



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





#25

Isophorone

Concen: 9.522 ng

RT: 7.40 min Scan# 903

Delta R.T. -0.27 min

Lab File: BF112322.D

Acq: 30 Jan 2019 15:27

Instrument :

BNA_F

ClientSampleId :

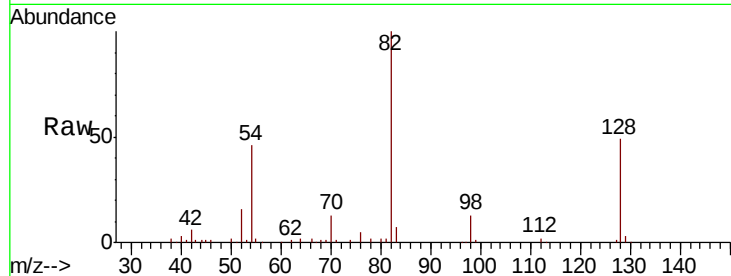
Tot Ion: 82 Resp: 140144

Ion Ratio Lower Upper

82 100

95 0.0 5.7 8.5#

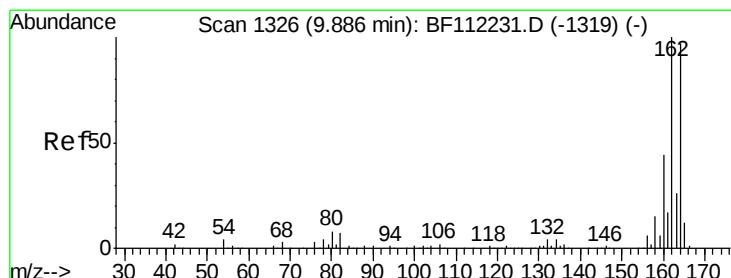
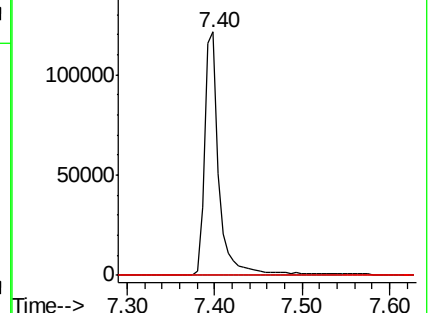
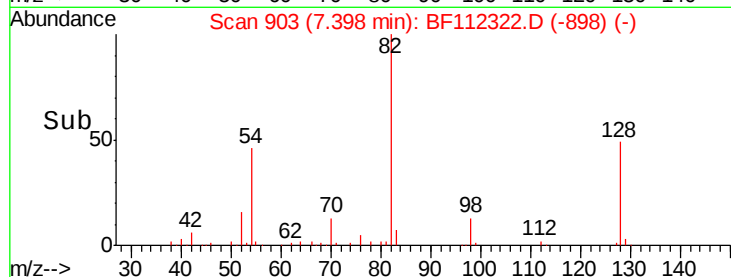
138 0.0 15.4 23.0#



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: 9.87 min Scan# 1324

Delta R.T. -0.01 min

Lab File: BF112322.D

Acq: 30 Jan 2019 15:27

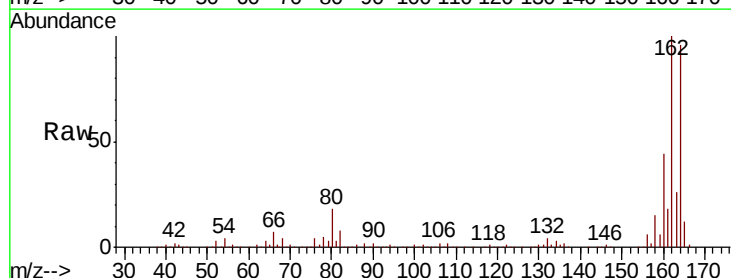
Tgt Ion: 164 Resp: 254586

Ion Ratio Lower Upper

164 100

162 104.2 82.2 123.4

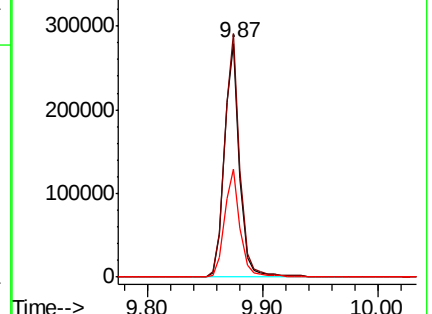
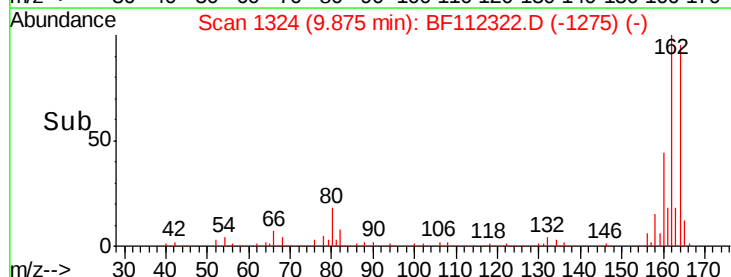
160 46.3 36.2 54.4



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: 19.987 ng

RT: 10.66 min Scan# 1458

Delta R.T. -0.02 min

Lab File: BF112322.D

Acq: 30 Jan 2019 15:27

Instrument :

BNA_F

ClientSampleId :

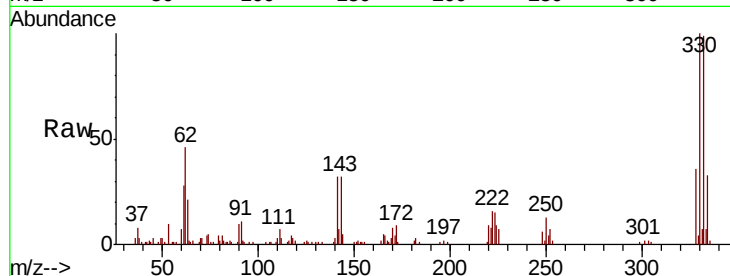
Tot Ion:330 Resp: 59227

Ion Ratio Lower Upper

330 100

332 97.8 76.6 114.8

141 32.8 24.3 36.5

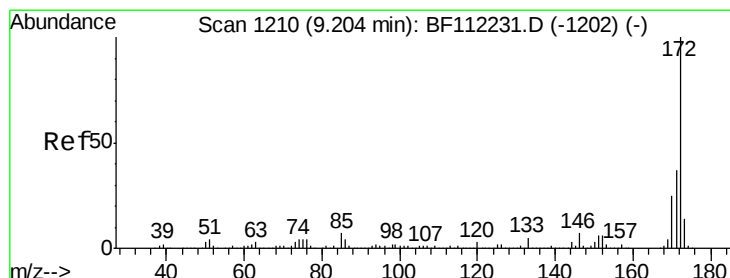
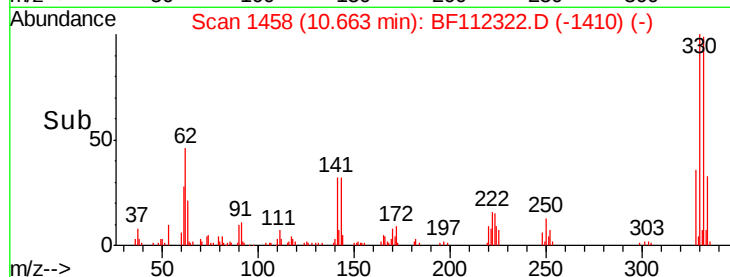
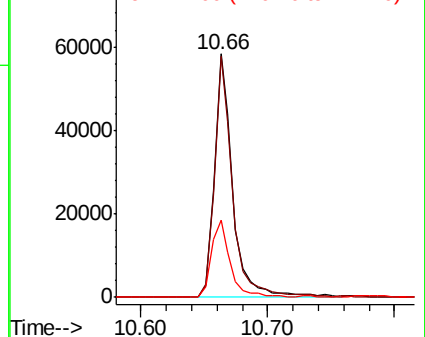


Abundance

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: 16.011 ng

RT: 9.19 min Scan# 1208

Delta R.T. -0.01 min

Lab File: BF112322.D

Acq: 30 Jan 2019 15:27

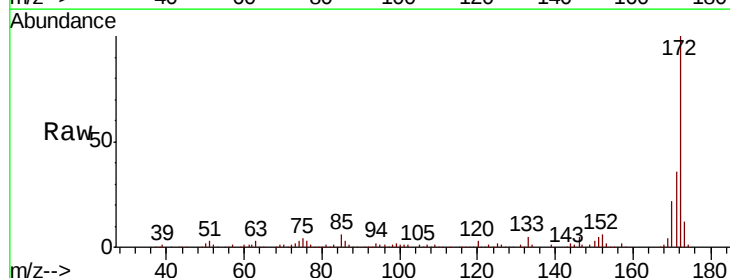
Tgt Ion:172 Resp: 288208

Ion Ratio Lower Upper

172 100

171 35.7 30.5 45.7

170 22.4 20.2 30.4

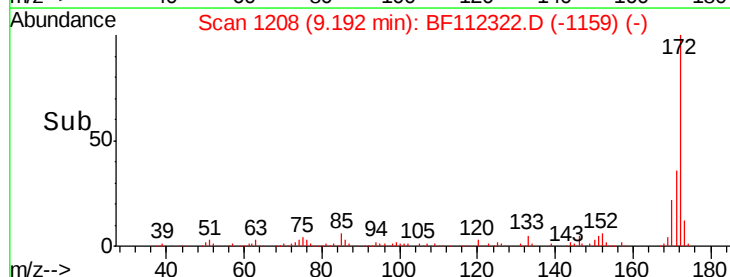
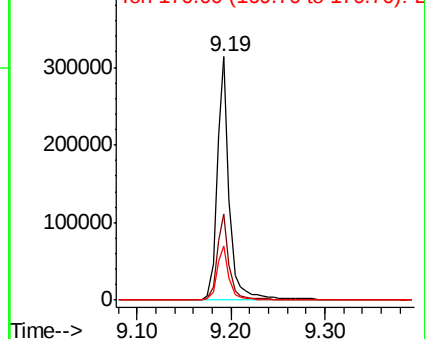


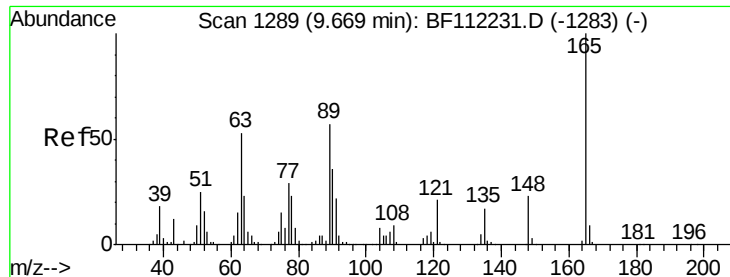
Abundance

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: 7.329 ng

RT: 9.87 min Scan# 1324

Delta R.T. 0.21 min

Lab File: BF112322.D

Acq: 30 Jan 2019 15:27

Instrument :

BNA_F

ClientSampleId :

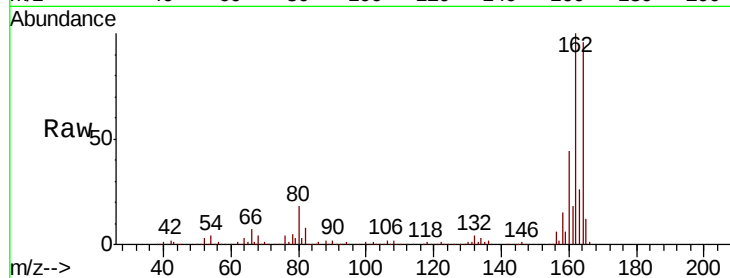
Tot Ion:165 Resp: 32467

Ion Ratio Lower Upper

165 100

63 1.5 33.8 50.8#

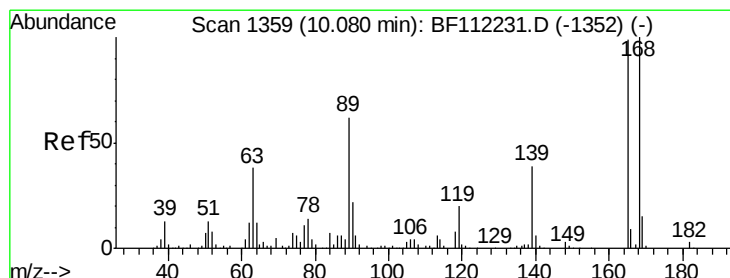
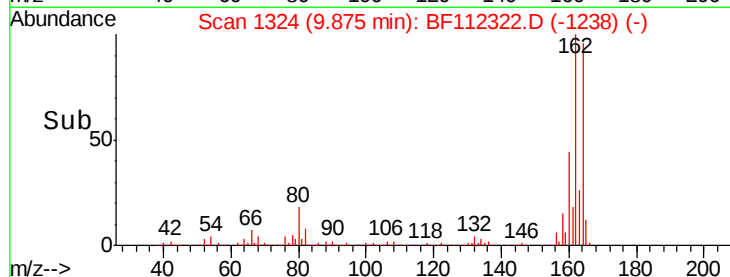
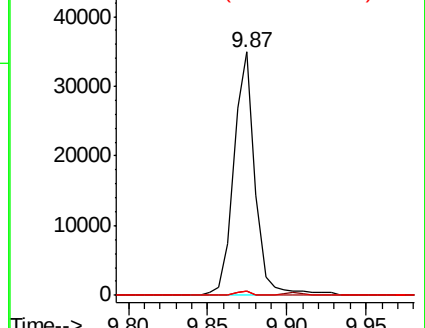
89 1.6 36.9 55.3#



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: 5.757 ng

RT: 9.87 min Scan# 1324

Delta R.T. -0.21 min

Lab File: BF112322.D

Acq: 30 Jan 2019 15:27

Tgt Ion:165 Resp: 32467

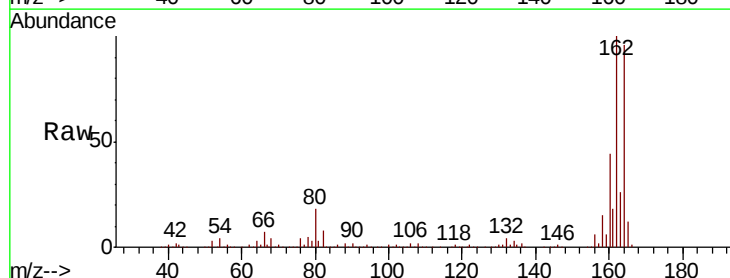
Ion Ratio Lower Upper

165 100

63 1.5 27.9 41.9#

89 1.6 47.9 71.9#

182 0.0 2.2 3.4#

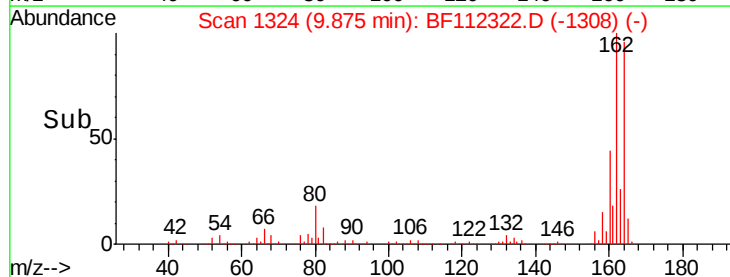
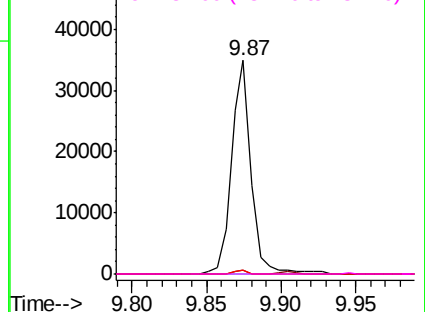


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF1

Ion 89.00 (88.70 to 89.70): BF1

Ion 182.00 (181.70 to 182.70): E

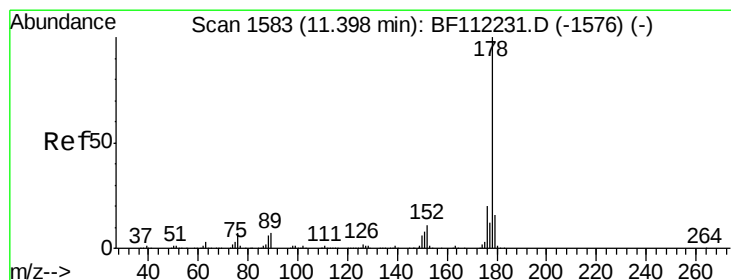
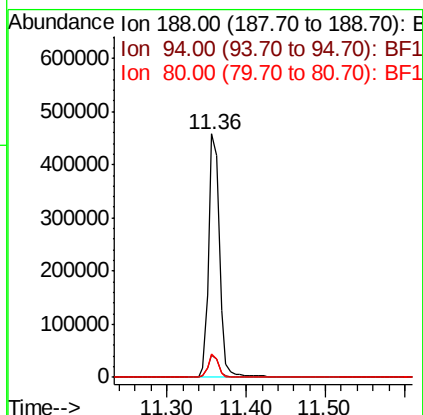
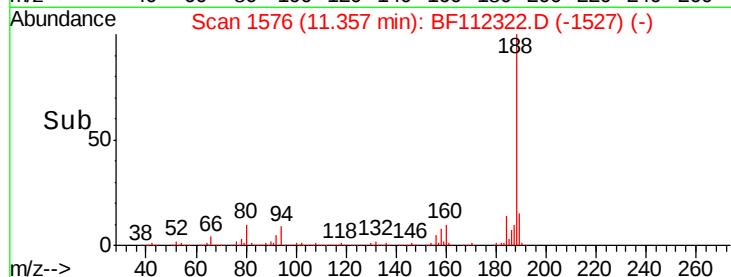
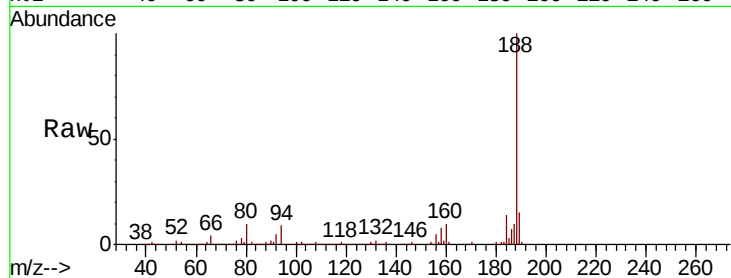




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.36 min Scan# 1576
Delta R.T. -0.01 min
Lab File: BF112322.D
Acq: 30 Jan 2019 15:27

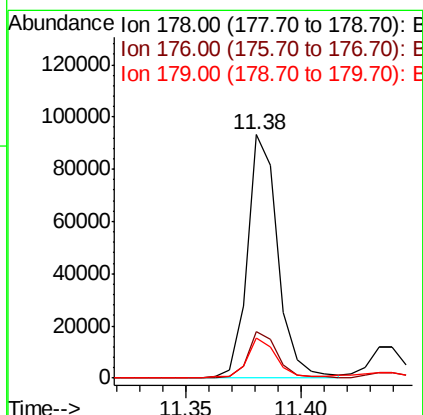
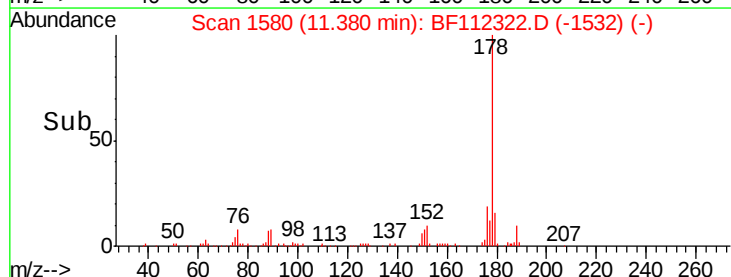
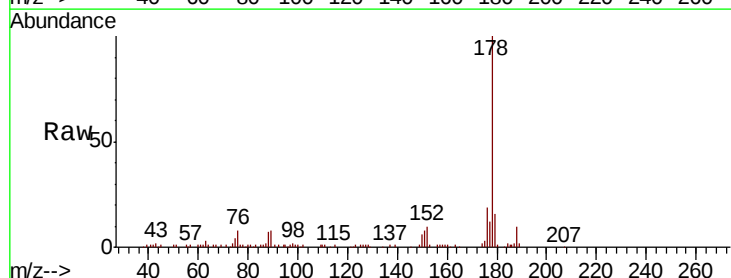
Instrument :
BNA_F
ClientSampleId :

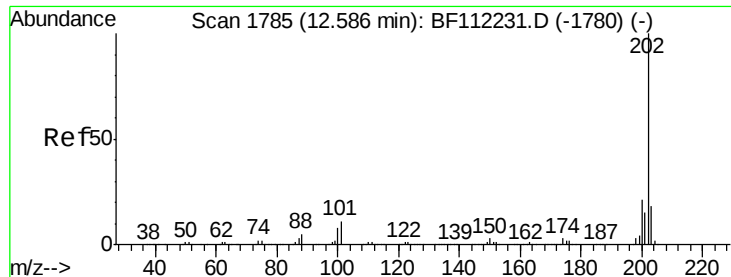
Tot Ion:188 Resp: 438990
Ion Ratio Lower Upper
188 100
94 9.1 8.2 12.2
80 9.7 8.9 13.3



#71
Phenanthrene
Concen: 3.765 ng
RT: 11.38 min Scan# 1580
Delta R.T. -0.02 min
Lab File: BF112322.D
Acq: 30 Jan 2019 15:27

Tgt Ion:178 Resp: 85935
Ion Ratio Lower Upper
178 100
176 18.9 16.3 24.5
179 16.3 13.0 19.4





#75

Fluoranthene

Concen: 3.555 ng

RT: 12.57 min Scan# 1783

Delta R.T. -0.01 min

Lab File: BF112322.D

Acq: 30 Jan 2019 15:27

Instrument :

BNA_F

ClientSampleId :

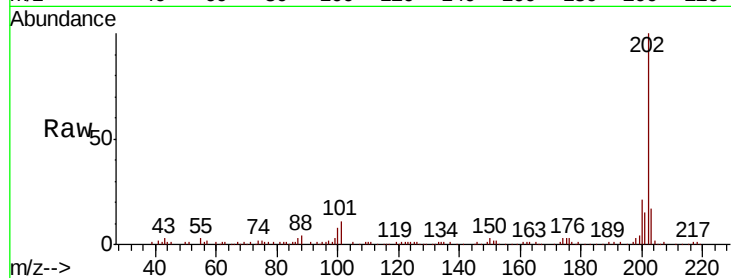
Tot Ion:202 Resp: 87010

Ion Ratio Lower Upper

202 100

101 10.6 0.0 31.8

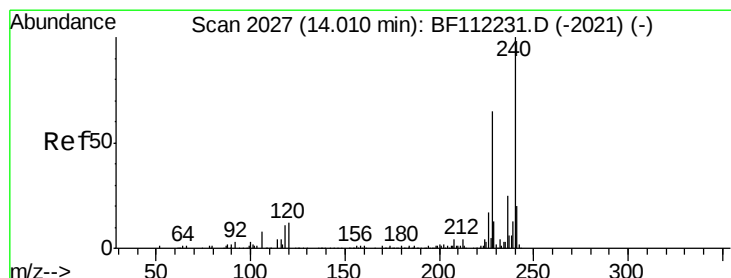
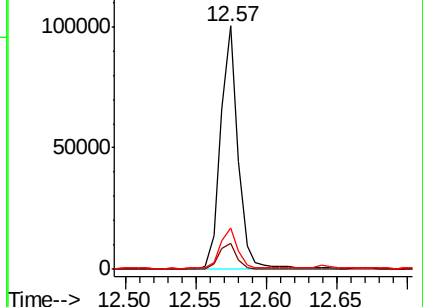
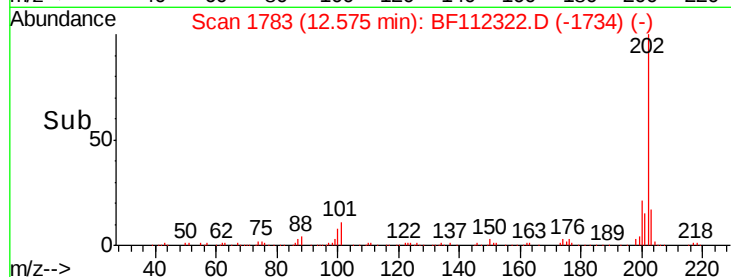
203 16.8 0.0 38.4



Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E



#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.00 min Scan# 2026

Delta R.T. -0.01 min

Lab File: BF112322.D

Acq: 30 Jan 2019 15:27

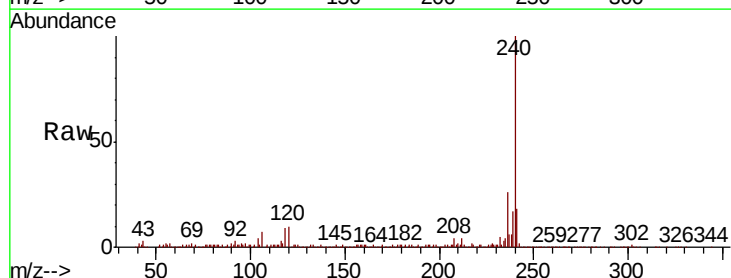
Tgt Ion:240 Resp: 306818

Ion Ratio Lower Upper

240 100

120 9.8 9.0 13.6

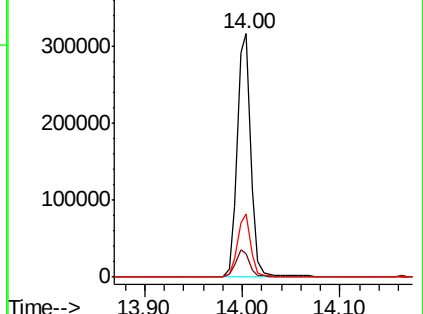
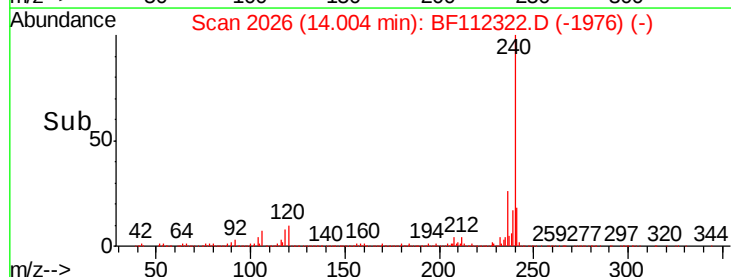
236 25.9 20.7 31.1

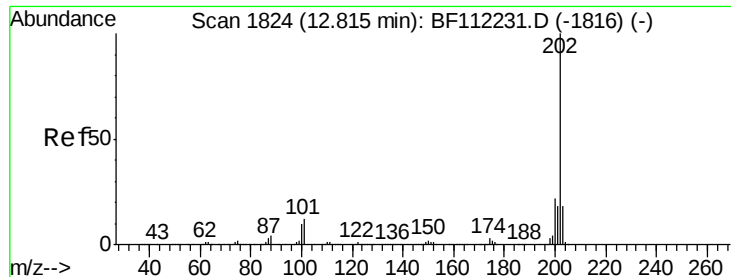


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#78

Pvrene

Concen: 3.087 ng

RT: 12.80 min Scan# 1822

Delta R.T. -0.01 min

Lab File: BF112322.D

Acq: 30 Jan 2019 15:27

Instrument :

BNA_F

ClientSampleId :

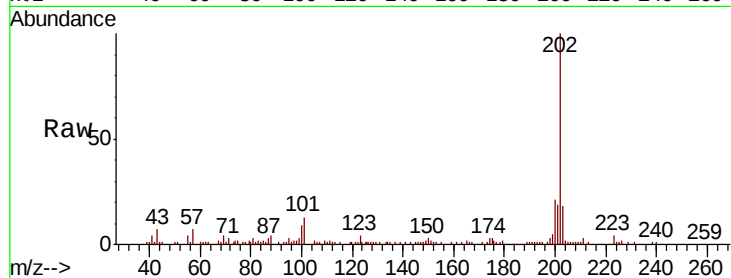
Tot Ion:202 Resp: 65572

Ion Ratio Lower Upper

202 100

200 21.0 17.7 26.5

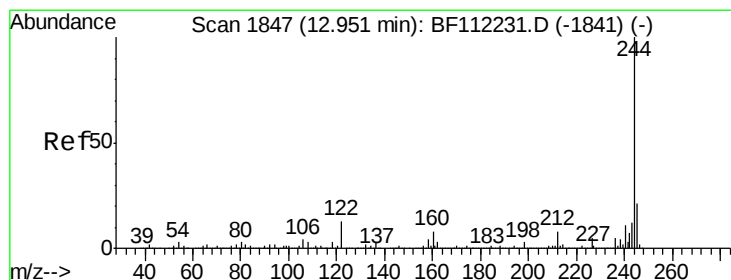
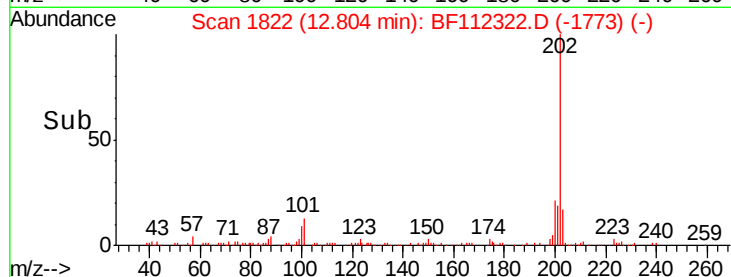
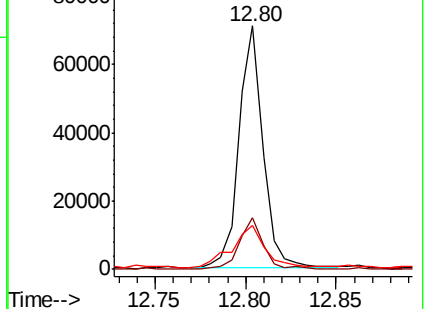
203 18.2 14.6 22.0



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: 14.684 ng

RT: 12.94 min Scan# 1845

Delta R.T. -0.01 min

Lab File: BF112322.D

Acq: 30 Jan 2019 15:27

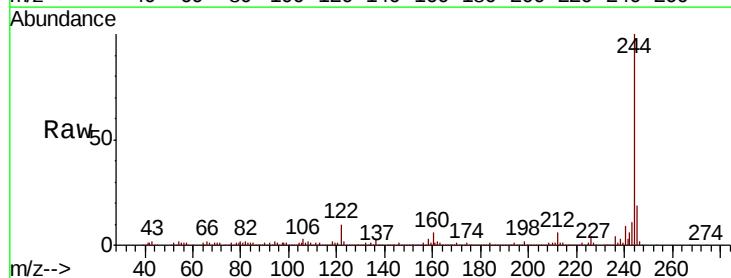
Tgt Ion:244 Resp: 239202

Ion Ratio Lower Upper

244 100

212 6.3 5.9 8.9

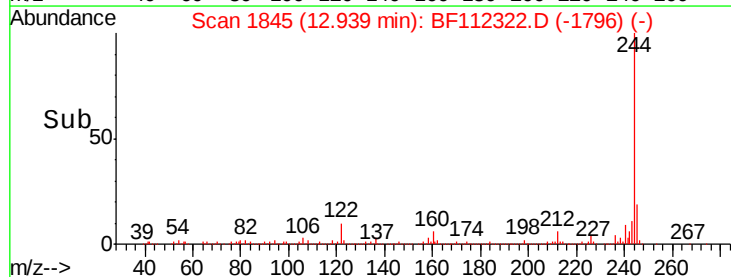
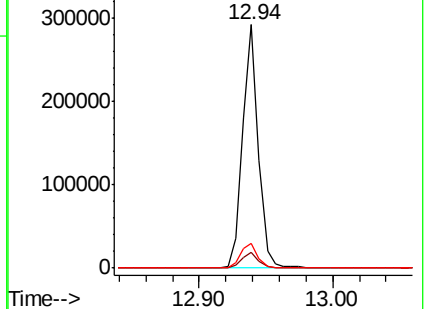
122 10.1 9.8 14.6

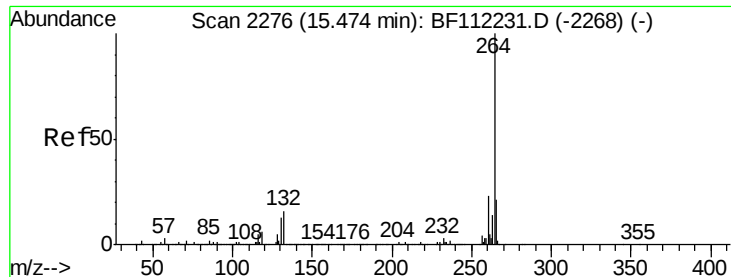


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#87

Pervlene-d12

Concen: 20.000 ng

RT: 15.47 min Scan# 2275

Delta R.T. -0.01 min

Lab File: BF112322.D

Acq: 30 Jan 2019 15:27

Instrument :

BNA_F

ClientSampleId :

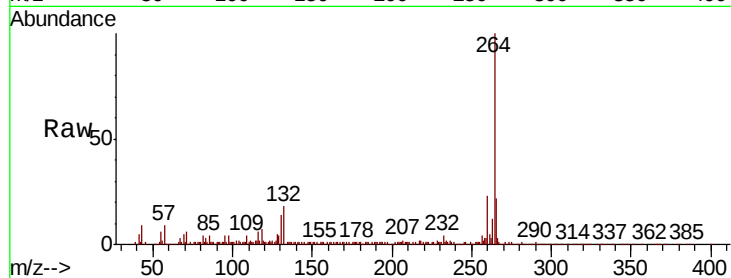
Tot Ion:264 Resp: 294648

Ion Ratio Lower Upper

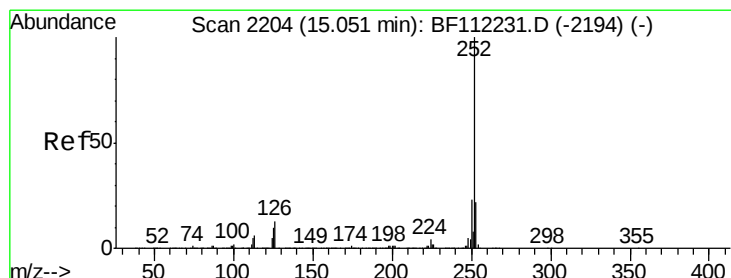
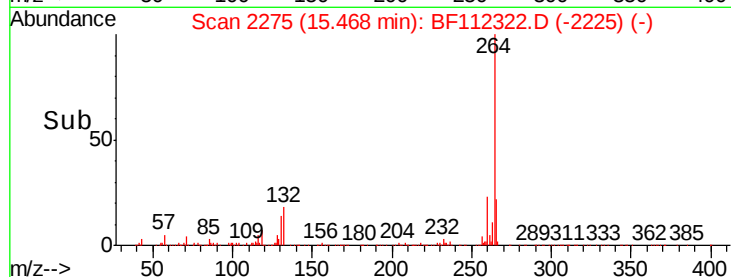
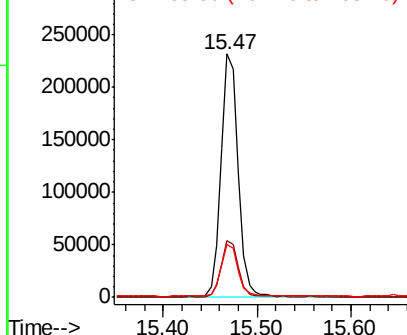
264 100

260 23.3 18.2 27.2

265 22.0 17.0 25.4



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: 2.475 ng

RT: 15.04 min Scan# 2203

Delta R.T. -0.01 min

Lab File: BF112322.D

Acq: 30 Jan 2019 15:27

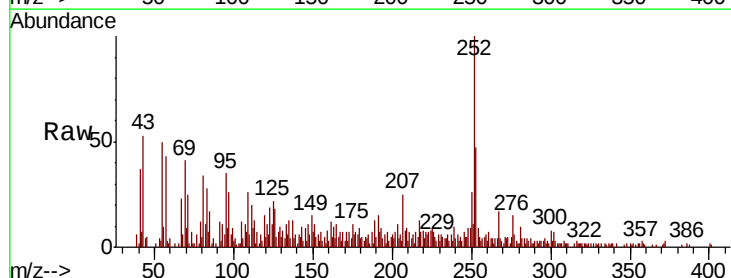
Tgt Ion:252 Resp: 43610

Ion Ratio Lower Upper

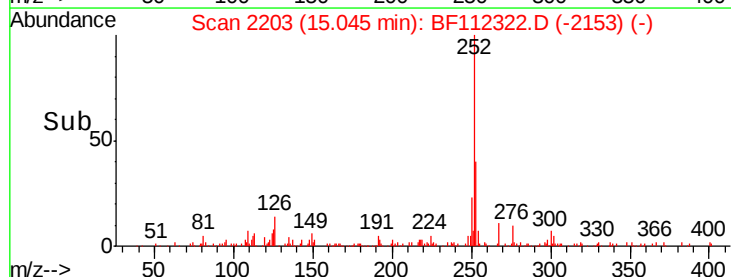
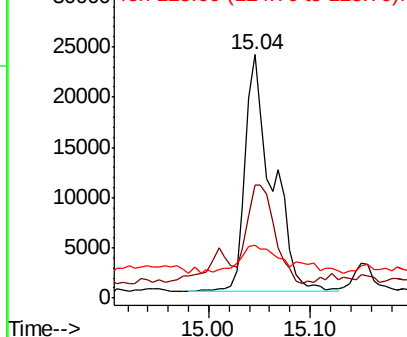
252 100

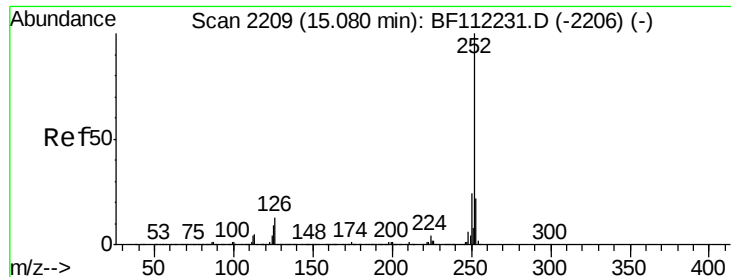
253 46.6 18.0 27.0#

125 21.7 8.7 13.1#



Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E





#89

Benzo(k)fluoranthene

Concen: 2.584 ng

RT: 15.04 min Scan# 2203

Delta R.T. -0.04 min

Lab File: BF112322.D

Acq: 30 Jan 2019 15:27

Instrument :

BNA_F

ClientSampleId :

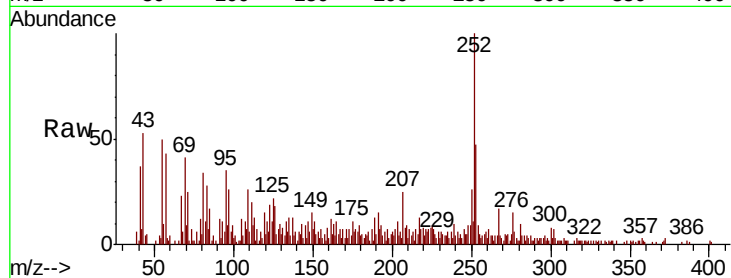
Tot Ion:252 Resp: 43610

Ion Ratio Lower Upper

252 100

253 46.6 18.0 27.0#

125 21.7 9.1 13.7#



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

