

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF020619\NOT REVIEWED DATA\
 Data File : BF112421.D
 Acq On : 6 Feb 2019 15:48
 Operator : JU/SJ
 Sample : K1356-01 5X
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SU-01-020519-A

Quant Time: Feb 07 00:58:24 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	6.83	152	136456	20.00	ng	-0.01
21) Naphthalene-d8	8.12	136	516236	20.00	ng	-0.01
39) Acenaphthene-d10	9.87	164	228131	20.00	ng	-0.02
64) Phenanthrene-d10	11.36	188	366027	20.00	ng	-0.01
76) Chrysene-d12	14.00	240	306834	20.00	ng	-0.01
87) Perylene-d12	15.47	264	334203	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.47	112	144354	22.47	ng	-0.01
7) Phenol-d6	6.48	99	187471	21.00	ng	-0.01
23) Nitrobenzene-d5	7.39	82	110776	12.36	ng	-0.02
42) 2,4,6-Tribromophenol	10.66	330	43466	16.37	ng	-0.02
45) 2-Fluorobiphenyl	9.19	172	226797	14.06	ng	-0.02
79) Terphenyl-d14	12.93	244	175700	10.79	ng	-0.02

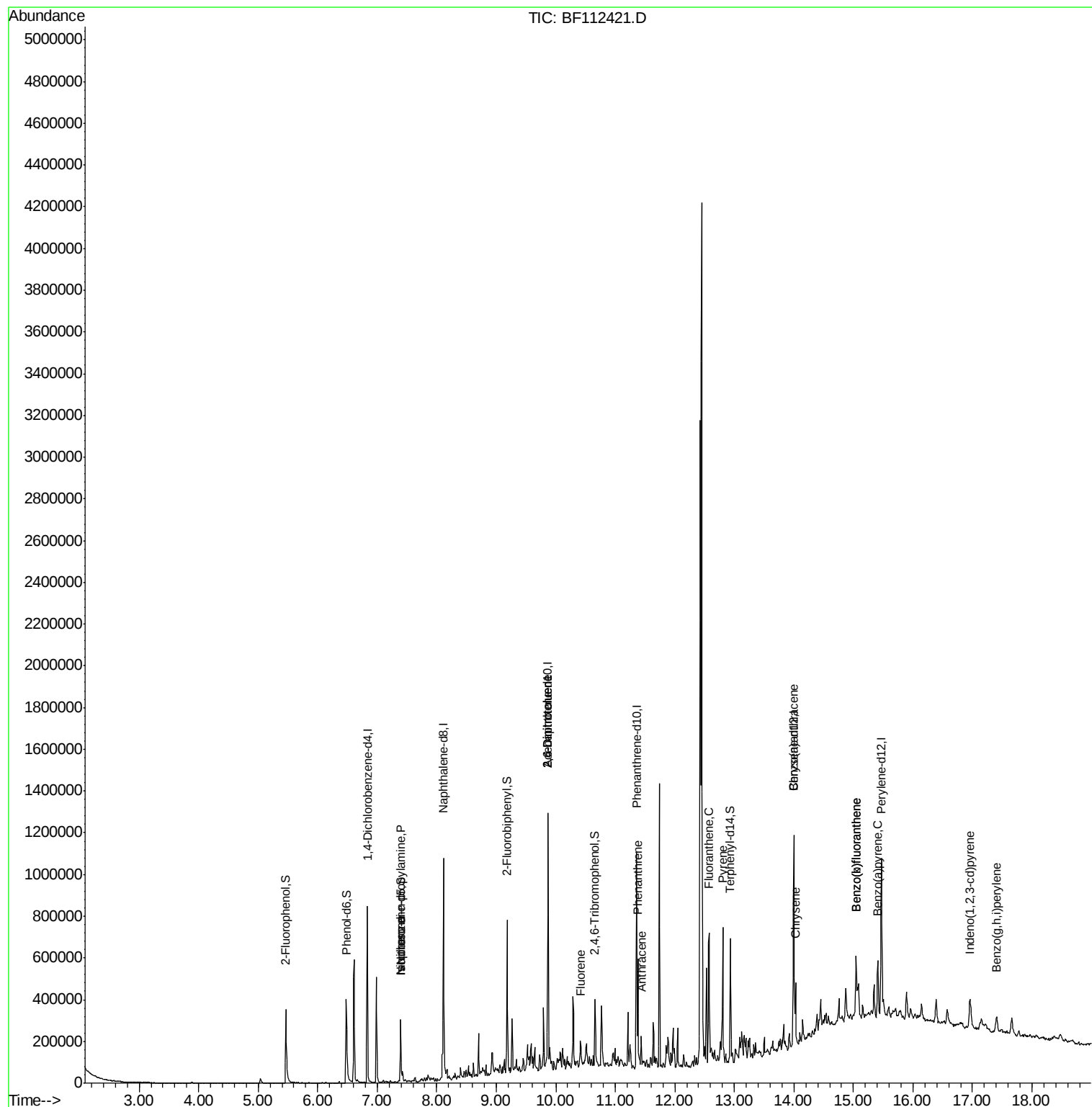
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
19) n-Nitroso-di-n-propylamine	7.39	70	13785	2.239	ng	# 77
25) Isophorone	7.39	82	110776	7.881	ng	# 63
51) 2,6-Dinitrotoluene	9.87	165	30968	7.801	ng	# 34
57) 2,4-Dinitrotoluene	9.87	165	30968	6.128	ng	# 32
58) Fluorene	10.42	166	33845	2.186	ng	99
71) Phenanthrene	11.38	178	184888	9.716	ng	97
72) Anthracene	11.43	178	54848	2.894	ng	95
75) Fluoranthene	12.57	202	239704	11.744	ng	96
78) Pyrene	12.80	202	245531	11.558	ng	97
81) Benzo(a)anthracene	13.99	228	123936	6.871	ng	99
83) Chrysene	14.03	228	118188	6.864	ng	98
86) Indeno(1,2,3-cd)pyrene	16.96	276	62520	4.583	ng	94
88) Benzo(b)fluoranthene	15.04	252	209490	10.481	ng	99
89) Benzo(k)fluoranthene	15.04	252	209490	10.943	ng	99
90) Benzo(a)pyrene	15.41	252	125603	6.984	ng	96
92) Benzo(g,h,i)perylene	17.40	276	61122	4.470	ng	97

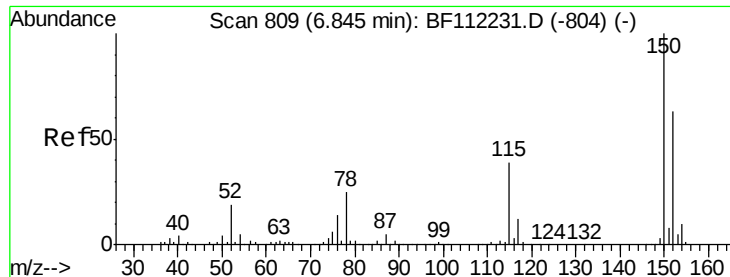
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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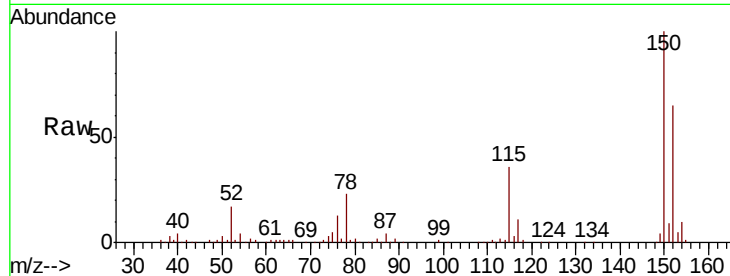


#1

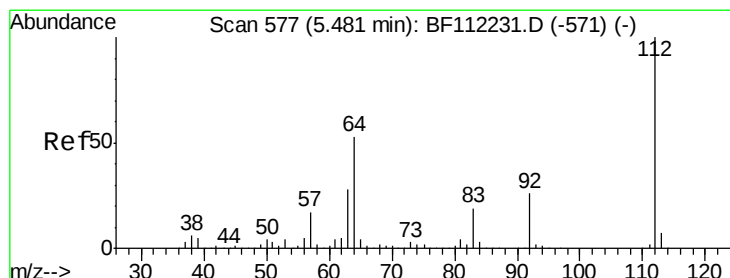
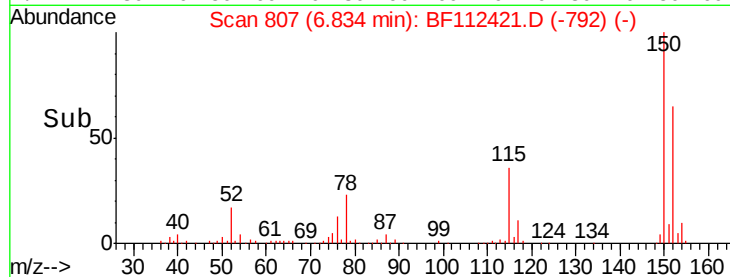
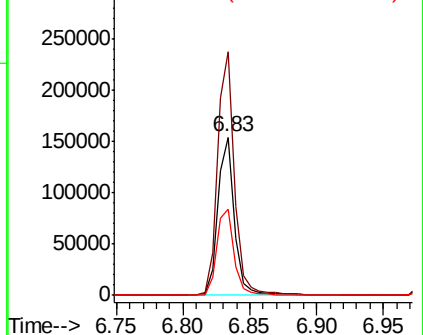
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.83 min Scan# 807
Delta R.T. -0.01 min
Lab File: BF112421.D
Acq: 6 Feb 2019 15:48

Instrument :
BNA_F
ClientSampleId :
SU-01-020519-A

Tgt Ion:152 Resp: 136456
Ion Ratio Lower Upper
152 100
150 154.2 127.4 191.0
115 54.8 45.5 68.3



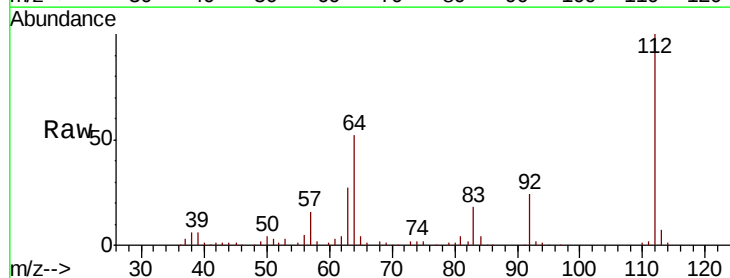
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



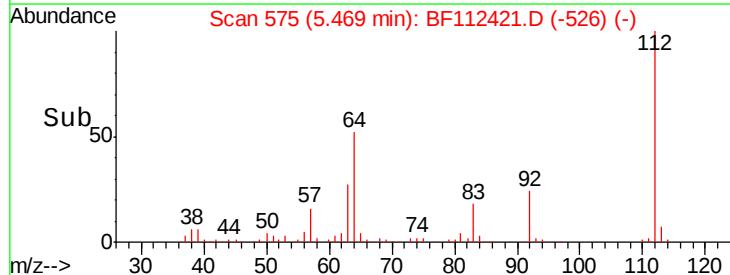
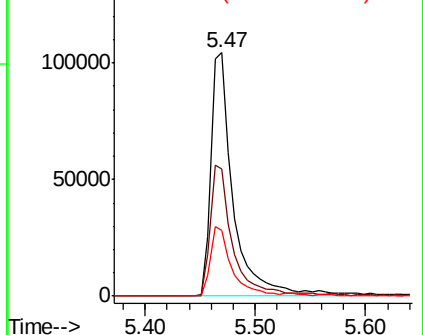
#5

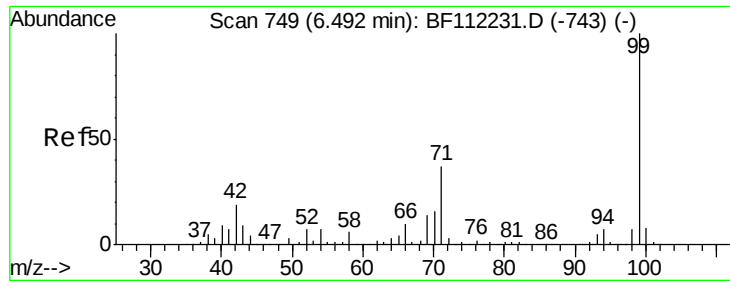
2-Fluorophenol
Concen: 22.470 ng
RT: 5.47 min Scan# 575
Delta R.T. -0.01 min
Lab File: BF112421.D
Acq: 6 Feb 2019 15:48

Tgt Ion:112 Resp: 144354
Ion Ratio Lower Upper
112 100
64 52.3 45.7 68.5
63 27.0 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: 21.001 ng

RT: 6.48 min Scan# 747

Delta R.T. -0.01 min

Lab File: BF112421.D

Acq: 6 Feb 2019 15:48

Instrument :

BNA_F

ClientSampleId :

SU-01-020519-A

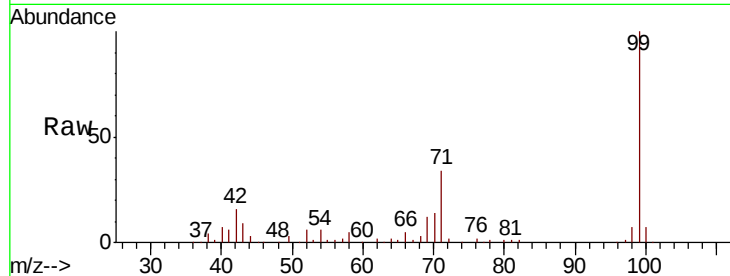
Tgt Ion: 99 Resp: 187471

Ion Ratio Lower Upper

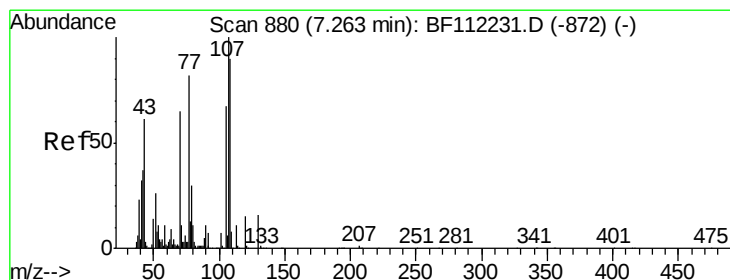
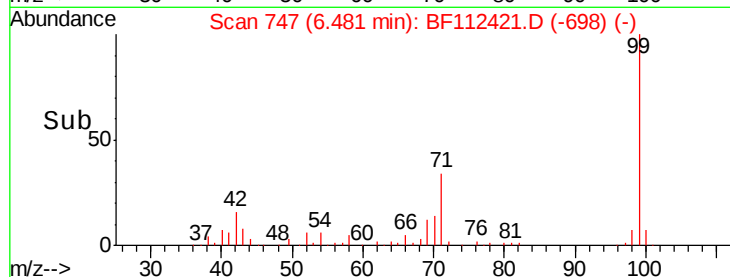
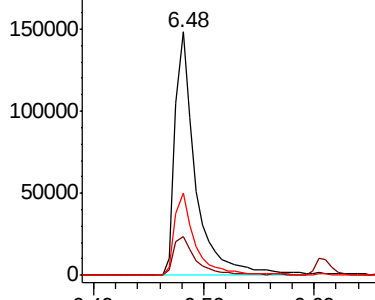
99 100

42 16.0 15.1 22.7

71 33.6 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: 2.239 ng

RT: 7.39 min Scan# 902

Delta R.T. 0.13 min

Lab File: BF112421.D

Acq: 6 Feb 2019 15:48

Tgt Ion: 70 Resp: 13785

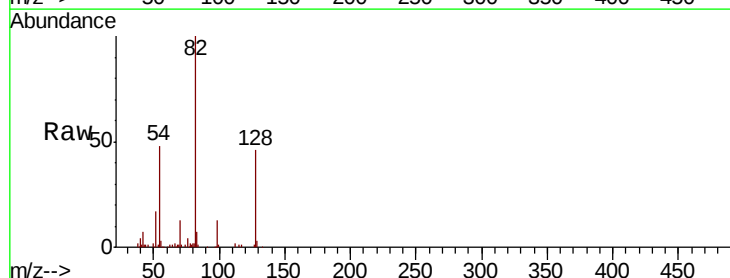
Ion Ratio Lower Upper

70 100

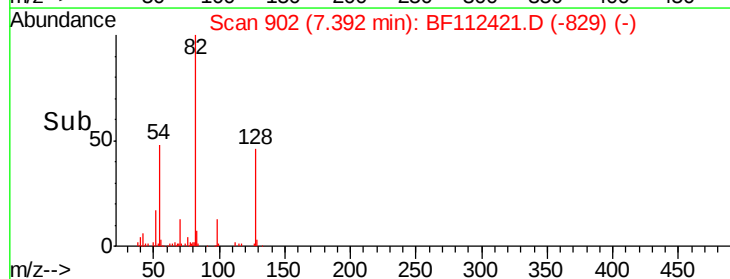
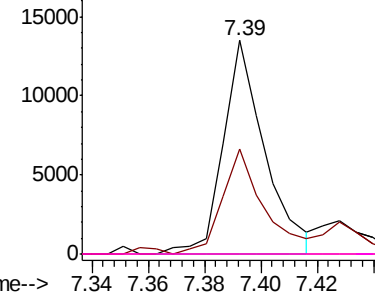
42 49.3 47.6 71.4

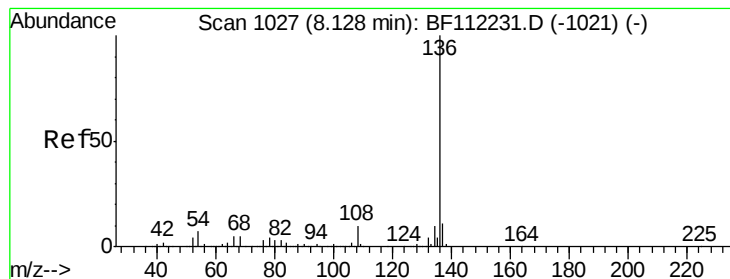
101 0.0 7.9 11.9#

130 0.0 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# 1025

Delta R.T. -0.01 min

Lab File: BF112421.D

Acq: 6 Feb 2019 15:48

Instrument :

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Tgt Ion: 136 Resp: 516236

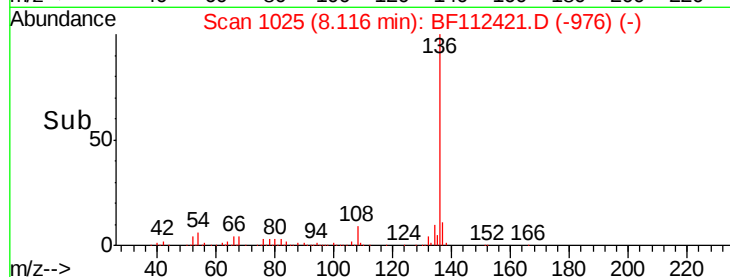
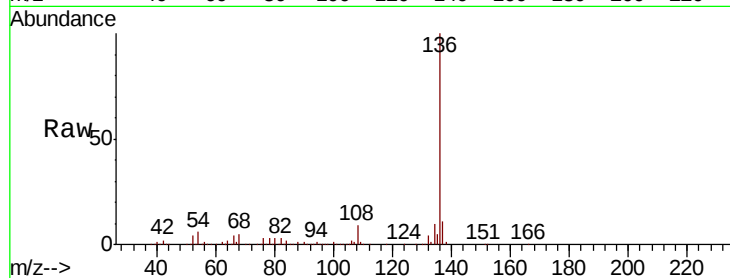
Ion Ratio Lower Upper

136 100

137 10.5 9.1 13.7

54 6.0 5.9 8.9

68 4.5 5.1 7.7#

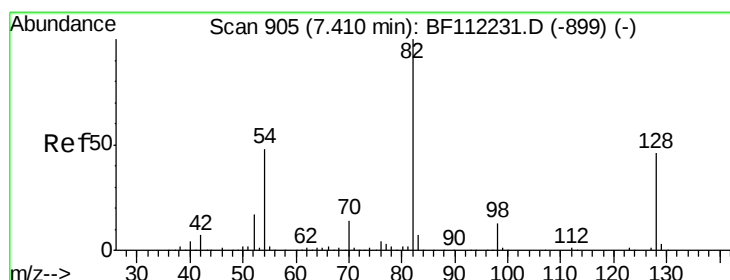
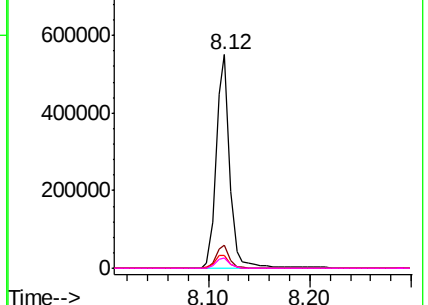


Abundance Ion 136.00 (135.70 to 136.70): E

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: 12.364 ng

RT: 7.39 min Scan# 902

Delta R.T. -0.02 min

Lab File: BF112421.D

Acq: 6 Feb 2019 15:48

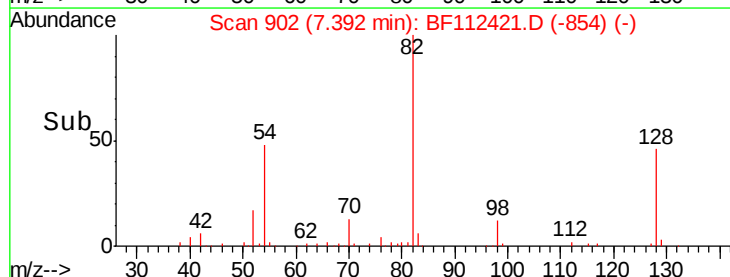
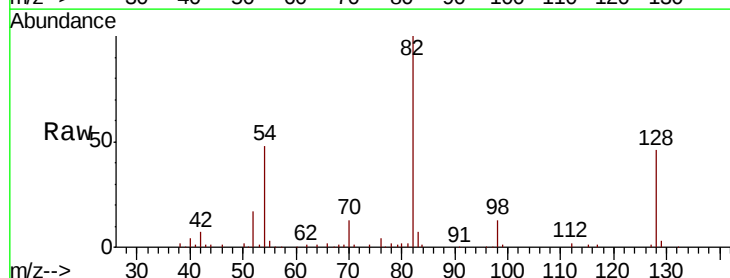
Tgt Ion: 82 Resp: 110776

Ion Ratio Lower Upper

82 100

128 46.1 37.8 56.8

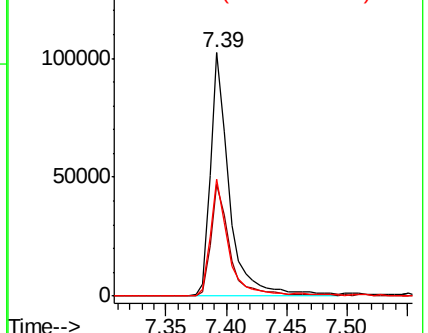
54 48.0 39.7 59.5

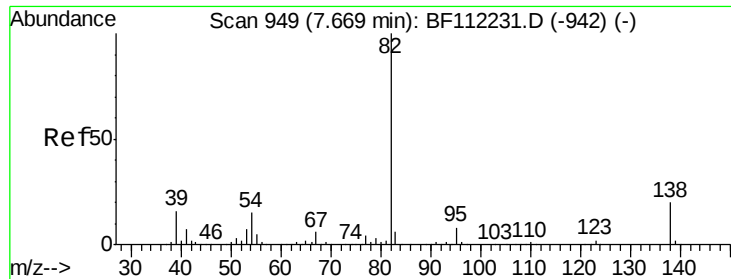


Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF1





#25

Isophorone

Concen: 7.881 ng

RT: 7.39 min Scan# 902

Delta R.T. -0.28 min

Lab File: BF112421.D

Acq: 6 Feb 2019 15:48

Instrument :

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SU-01-020519-A

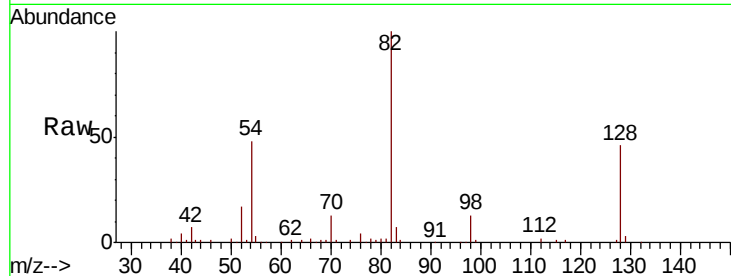
Tgt Ion: 82 Resp: 110776

Ion Ratio Lower Upper

82 100

95 0.0 5.7 8.5#

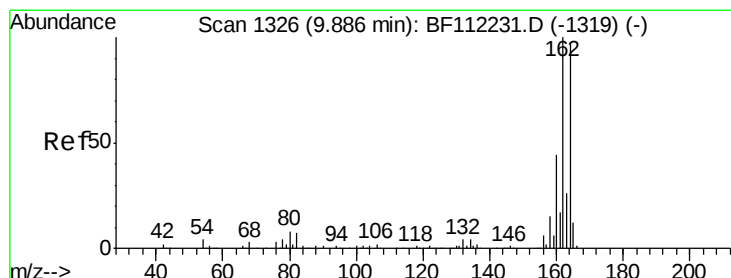
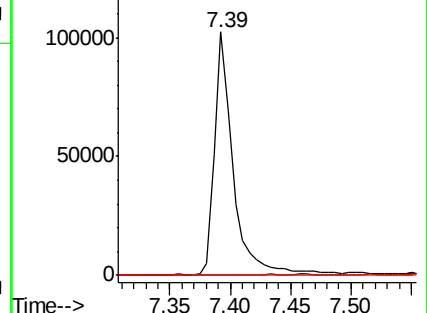
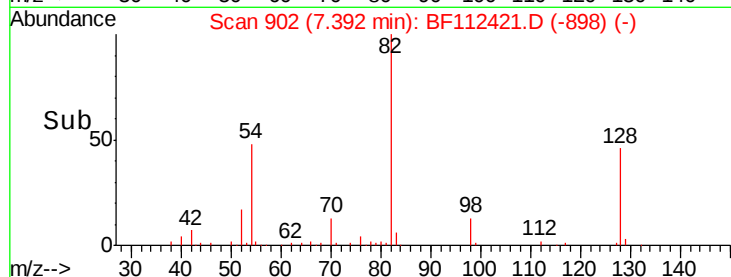
138 0.0 15.4 23.0#



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# 1323

Delta R.T. -0.02 min

Lab File: BF112421.D

Acq: 6 Feb 2019 15:48

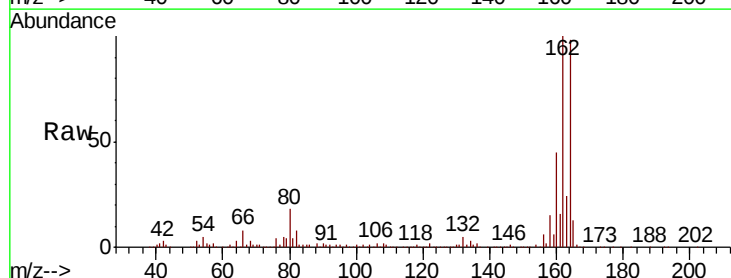
Tgt Ion: 164 Resp: 228131

Ion Ratio Lower Upper

164 100

162 101.8 82.2 123.4

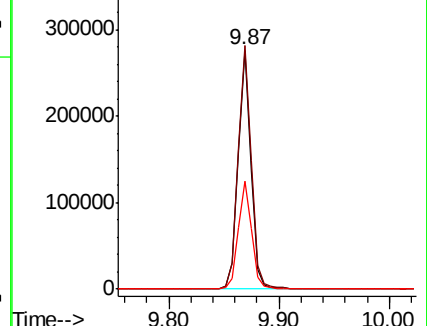
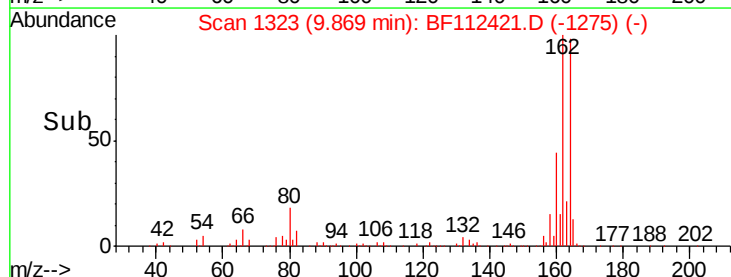
160 45.4 36.2 54.4

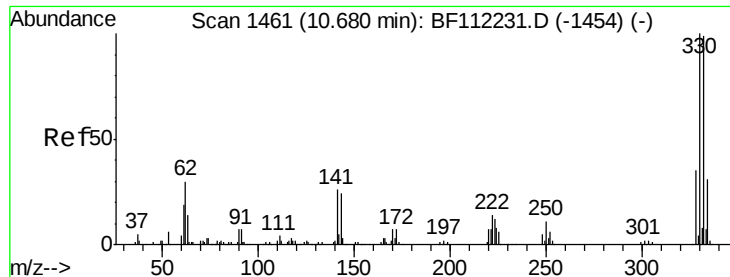


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E





#42

2,4,6-Tribromophenol

Concen: 16.369 ng

RT: 10.66 min Scan# 1458

Delta R.T. -0.02 min

Lab File: BF112421.D

Acq: 6 Feb 2019 15:48

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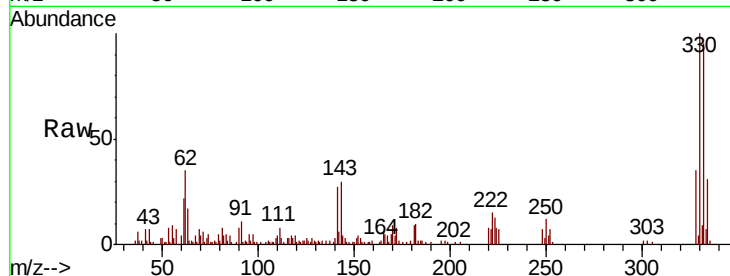
Tgt Ion:330 Resp: 43466

Ion Ratio Lower Upper

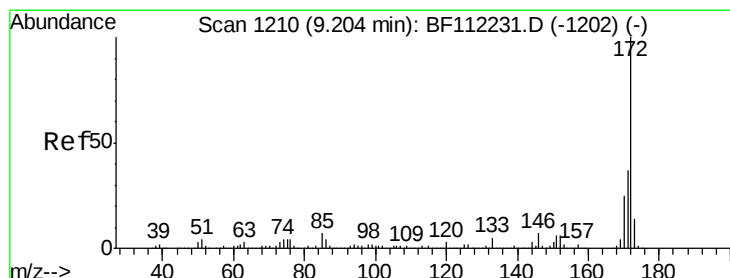
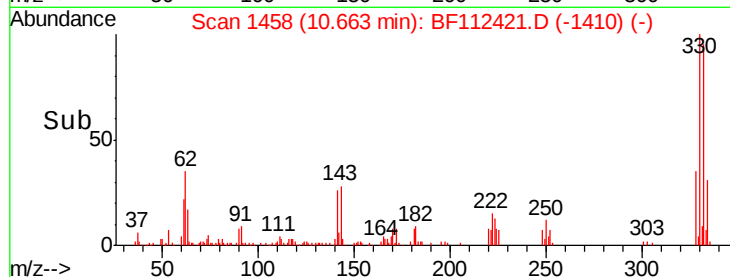
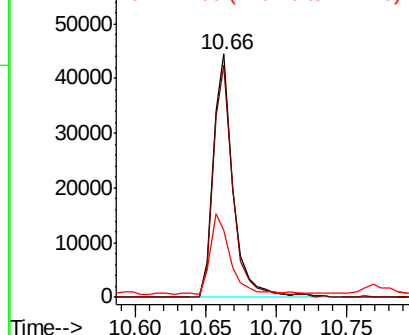
330 100

332 95.5 76.6 114.8

141 33.2 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: 14.061 ng

RT: 9.19 min Scan# 1207

Delta R.T. -0.02 min

Lab File: BF112421.D

Acq: 6 Feb 2019 15:48

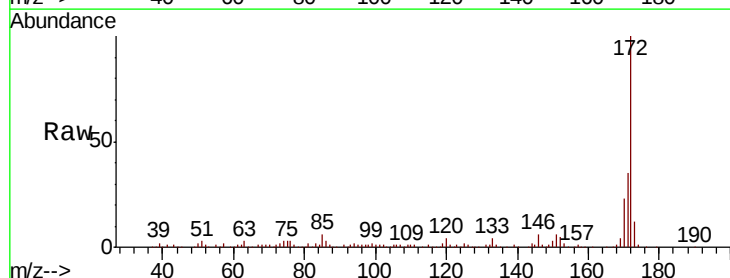
Tgt Ion:172 Resp: 226797

Ion Ratio Lower Upper

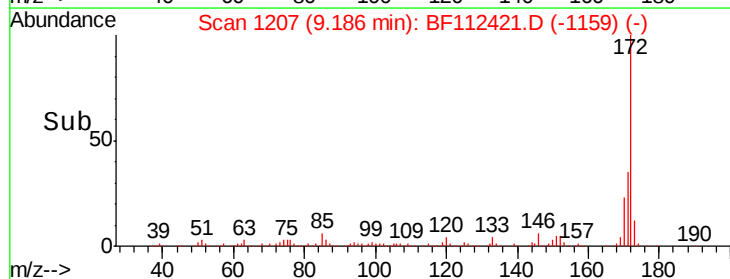
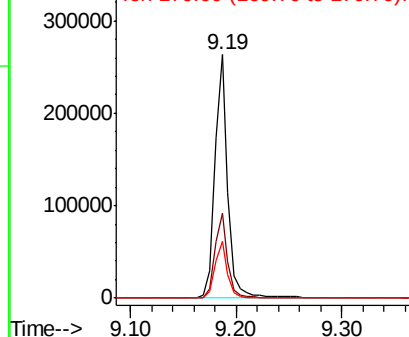
172 100

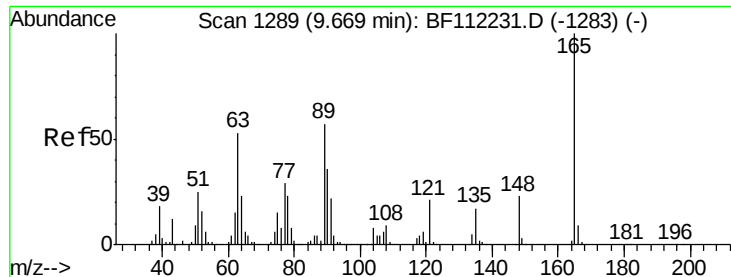
171 34.8 30.5 45.7

170 23.2 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

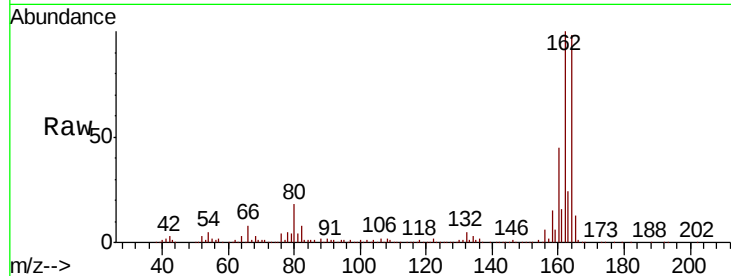




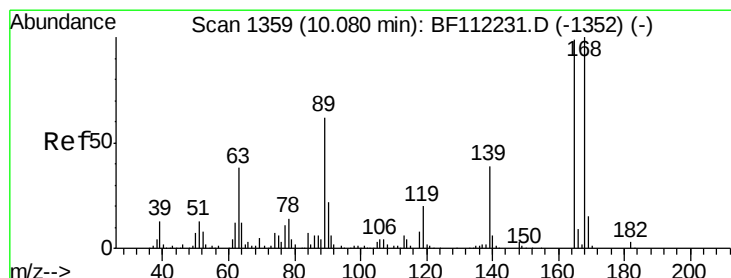
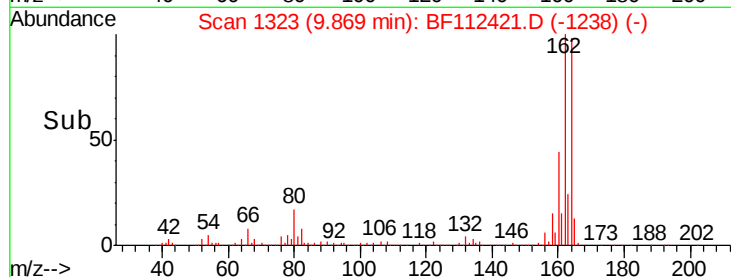
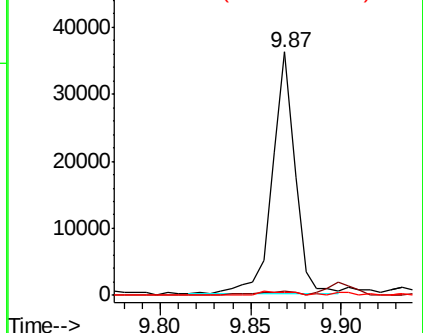
#51
 2,6-Dinitrotoluene
 Concen: 7.801 ng
 RT: 9.87 min Scan# 1323
 Delta R.T. 0.20 min
 Lab File: BF112421.D
 Acq: 6 Feb 2019 15:48

Instrument :
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 SU-01-020519-A

Tgt Ion	Ratio	Lower	Upper
165	100		
63	1.8	33.8	50.8#
89	1.4	36.9	55.3#

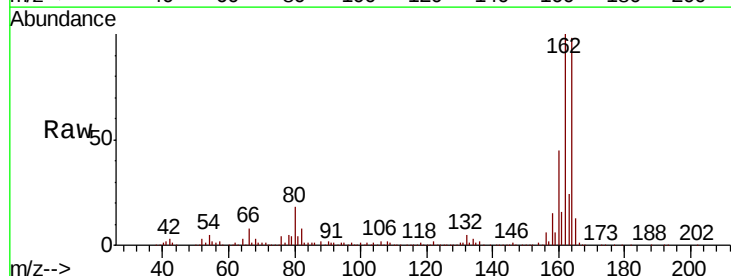


Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BF1
 Ion 89.00 (88.70 to 89.70): BF1

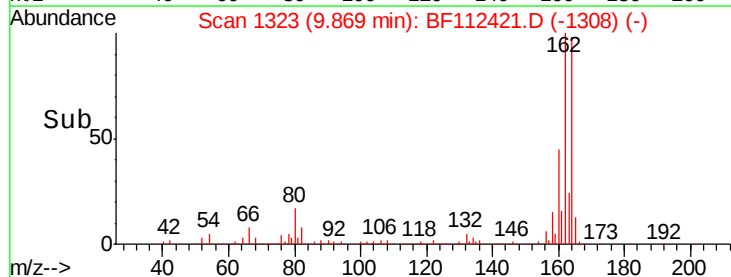
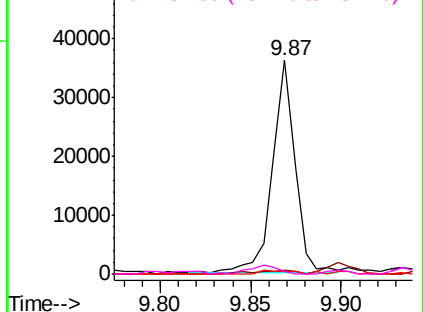


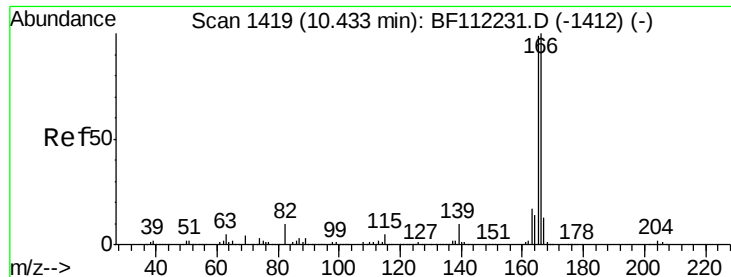
#57
 2,4-Dinitrotoluene
 Concen: 6.128 ng
 RT: 9.87 min Scan# 1323
 Delta R.T. -0.21 min
 Lab File: BF112421.D
 Acq: 6 Feb 2019 15:48

Tgt Ion	Ratio	Lower	Upper
165	100		
63	1.8	27.9	41.9#
89	1.4	47.9	71.9#
182	1.0	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





#58

Fluorene

Concen: 2.186 ng

RT: 10.42 min Scan# 1416

Delta R.T. -0.02 min

Lab File: BF112421.D

Acq: 6 Feb 2019 15:48

Instrument :

BNA_F

ClientSampleId :

SU-01-020519-A

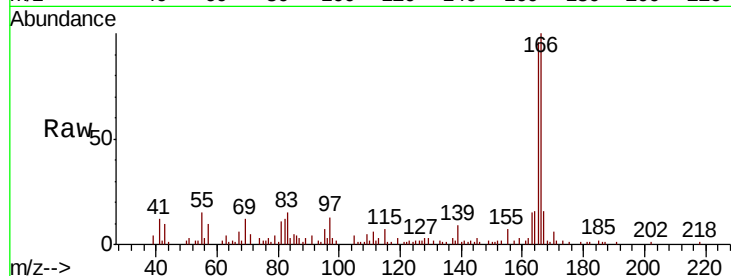
Tgt Ion:166 Resp: 33845

Ion Ratio Lower Upper

166 100

165 96.4 77.1 115.7

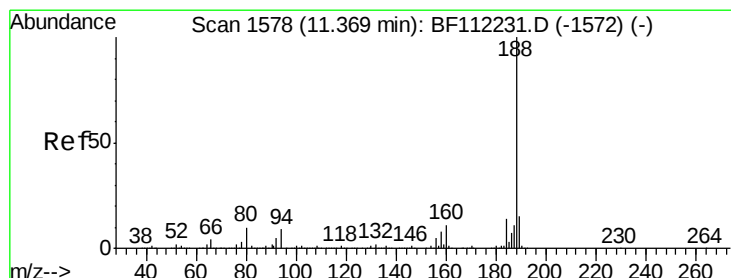
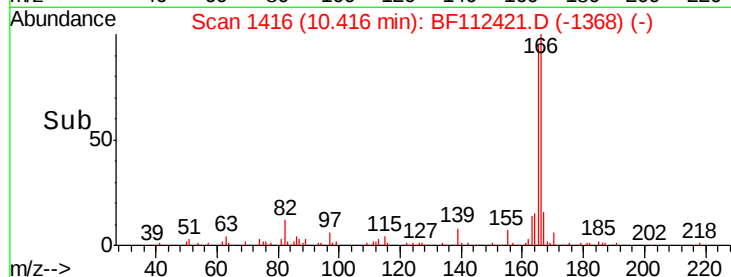
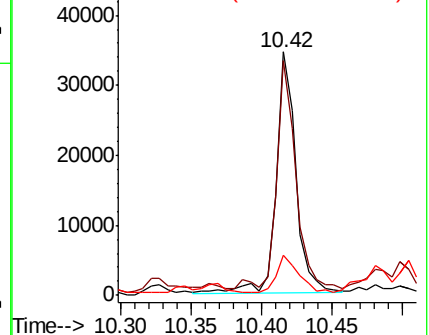
167 16.3 11.3 16.9



Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.36 min Scan# 1576

Delta R.T. -0.01 min

Lab File: BF112421.D

Acq: 6 Feb 2019 15:48

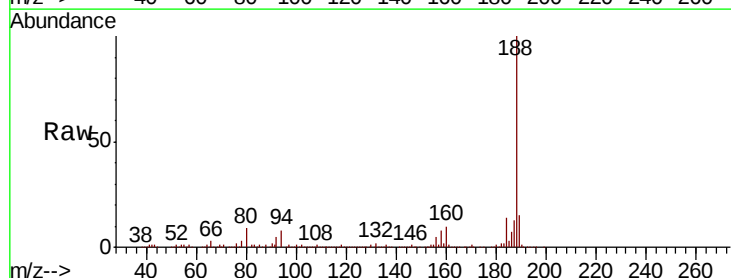
Tgt Ion:188 Resp: 366027

Ion Ratio Lower Upper

188 100

94 8.1 8.2 12.2#

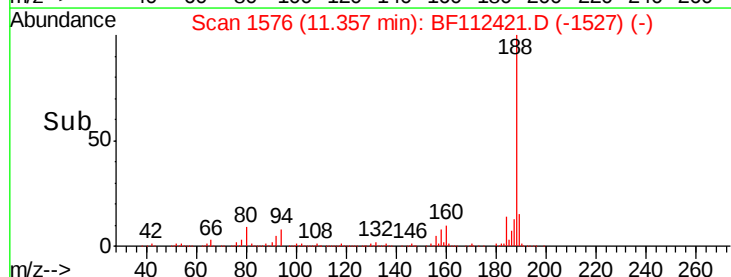
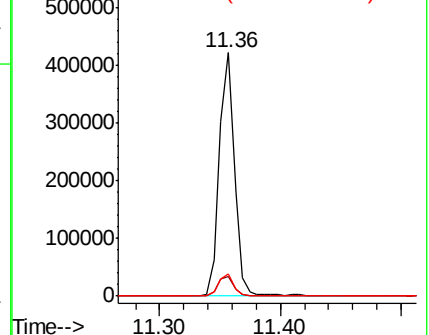
80 9.1 8.9 13.3

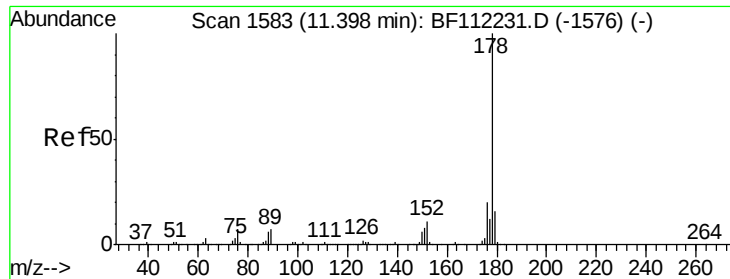


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF1

Ion 80.00 (79.70 to 80.70): BF1

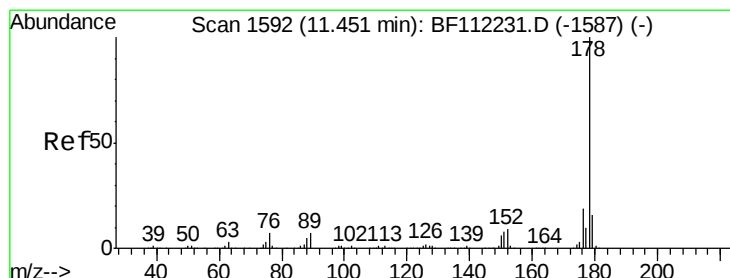
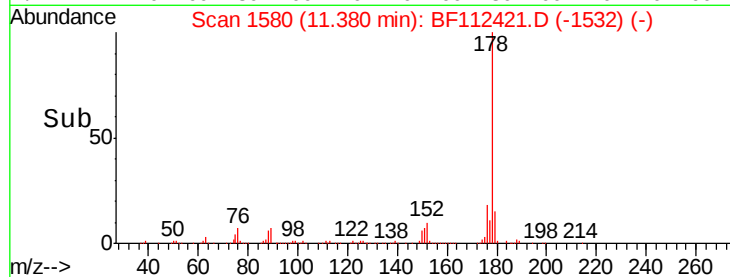
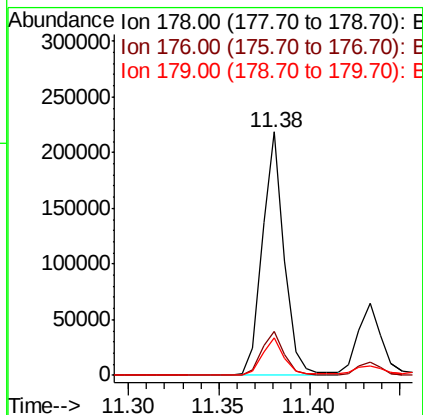
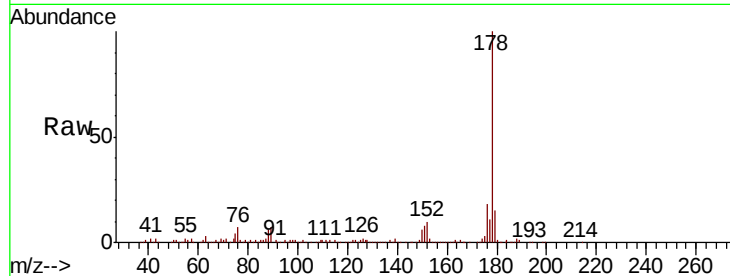




#71
 Phenanthrene
 Concen: 9.716 ng
 RT: 11.38 min Scan# 1580
 Delta R.T. -0.02 min
 Lab File: BF112421.D
 Acq: 6 Feb 2019 15:48

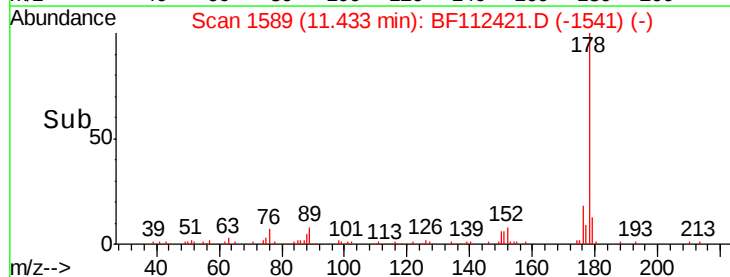
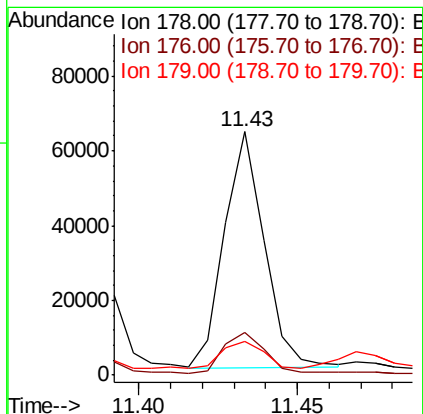
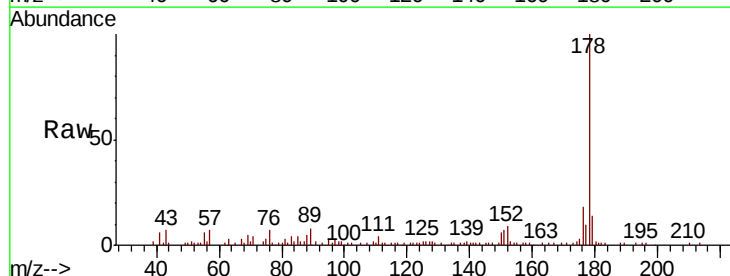
Instrument :
 BNA_F
 ClientSampleId :
 SU-01-020519-A

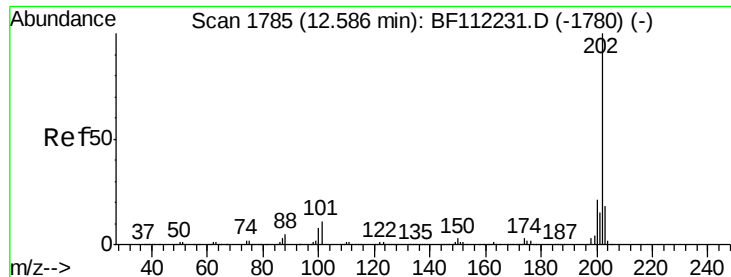
Tgt Ion:178 Resp: 184888
 Ion Ratio Lower Upper
 178 100
 176 18.2 16.3 24.5
 179 15.4 13.0 19.4



#72
 Anthracene
 Concen: 2.894 ng
 RT: 11.43 min Scan# 1589
 Delta R.T. -0.02 min
 Lab File: BF112421.D
 Acq: 6 Feb 2019 15:48

Tgt Ion:178 Resp: 54848
 Ion Ratio Lower Upper
 178 100
 176 17.7 15.5 23.3
 179 13.7 12.8 19.2





#75

Fluoranthene

Concen: 11.744 ng

RT: 12.57 min Scan# 1783

Delta R.T. -0.01 min

Lab File: BF112421.D

Acq: 6 Feb 2019 15:48

Instrument :

BNA_F

ClientSampleId :

SU-01-020519-A

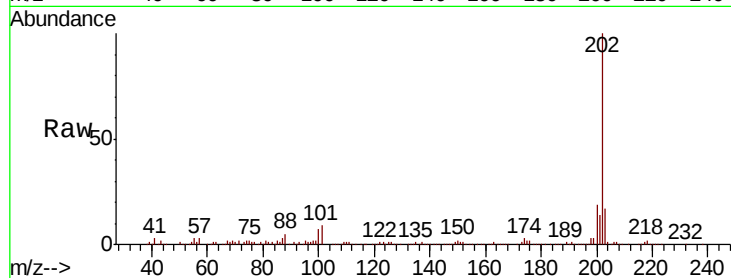
Tgt Ion:202 Resp: 239704

Ion Ratio Lower Upper

202 100

101 9.5 0.0 31.8

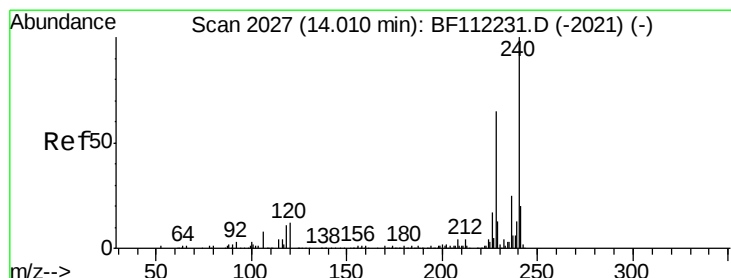
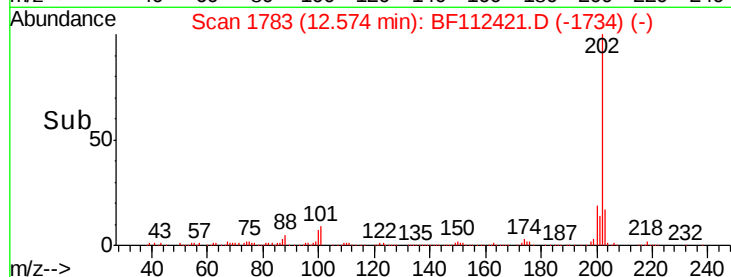
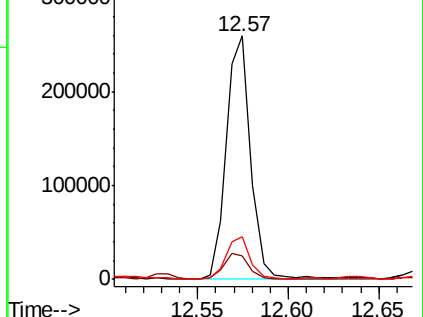
203 17.3 0.0 38.4



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# 2025

Delta R.T. -0.01 min

Lab File: BF112421.D

Acq: 6 Feb 2019 15:48

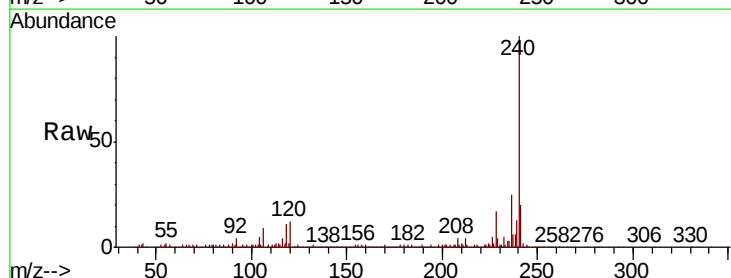
Tgt Ion:240 Resp: 306834

Ion Ratio Lower Upper

240 100

120 11.7 9.0 13.6

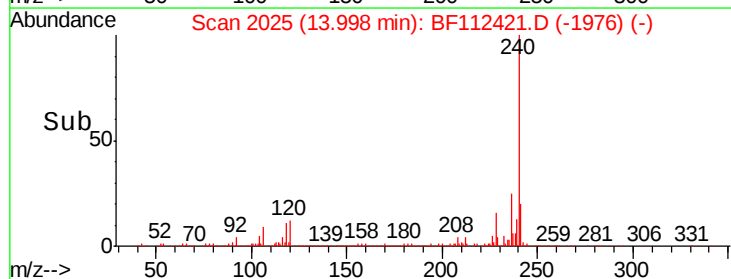
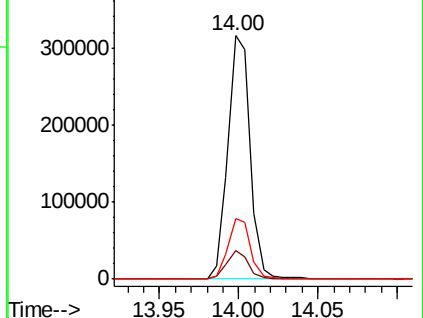
236 25.1 20.7 31.1

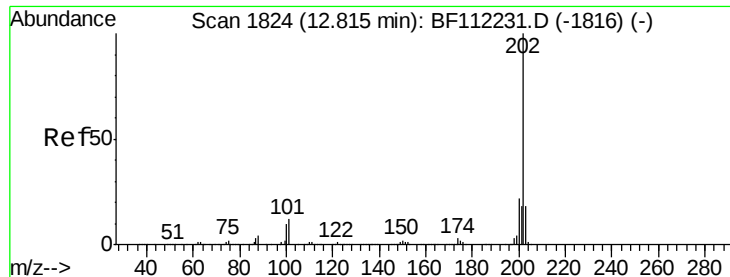


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E

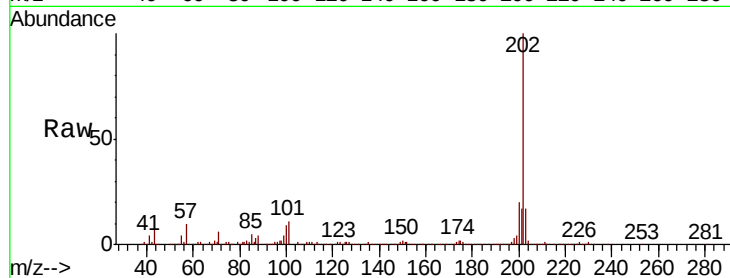




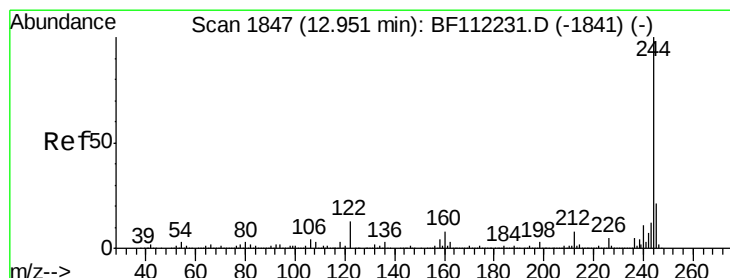
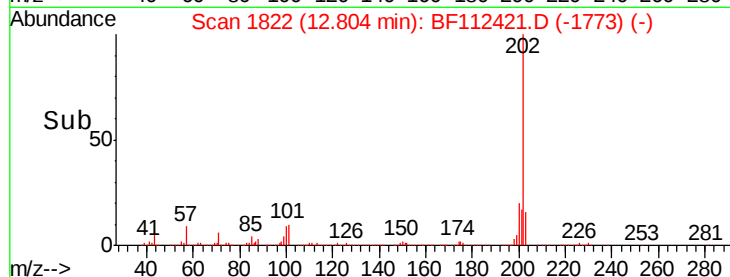
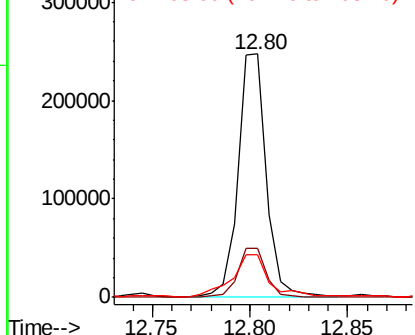
#78
Pyrene
Concen: 11.558 ng
RT: 12.80 min Scan# 1822
Delta R.T. -0.01 min
Lab File: BF112421.D
Acq: 6 Feb 2019 15:48

Instrument :
BNA_F
ClientSampleId :
SU-01-020519-A

Tgt Ion: 202 Resp: 245531
Ion Ratio Lower Upper
202 100
200 20.1 17.7 26.5
203 17.3 14.6 22.0

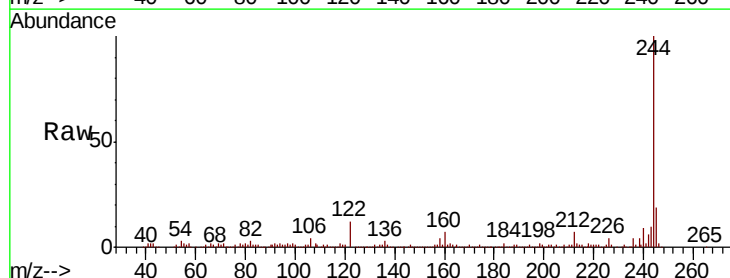


Abundance Ion 202.00 (201.70 to 202.70): E
Ion 200.00 (199.70 to 200.70): E
Ion 203.00 (202.70 to 203.70): E

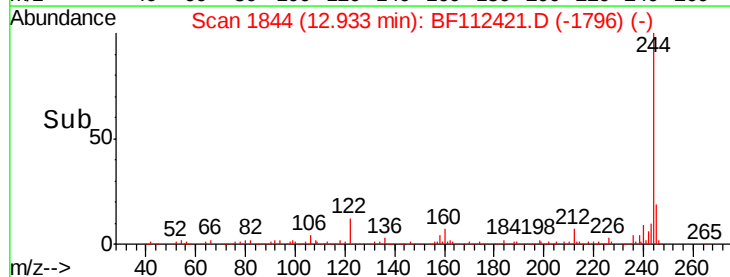
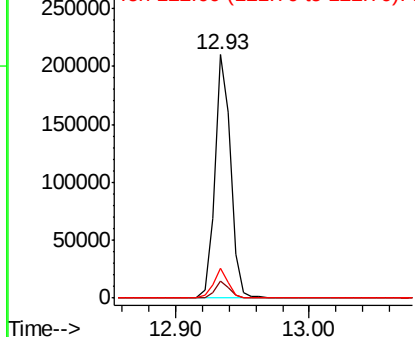


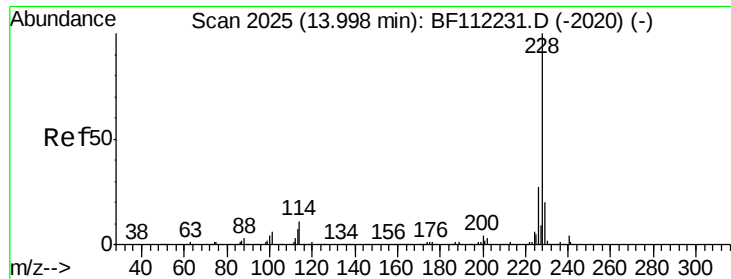
#79
Terphenyl-d14
Concen: 10.785 ng
RT: 12.93 min Scan# 1844
Delta R.T. -0.02 min
Lab File: BF112421.D
Acq: 6 Feb 2019 15:48

Tgt Ion: 244 Resp: 175700
Ion Ratio Lower Upper
244 100
212 7.0 5.9 8.9
122 12.0 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





#81

Benzo(a)anthracene

Concen: 6.871 ng

RT: 13.99 min Scan# 2024

Delta R.T. -0.01 min

Lab File: BF112421.D

Acq: 6 Feb 2019 15:48

Instrument :

BNA_F

ClientSampleId :

SU-01-020519-A

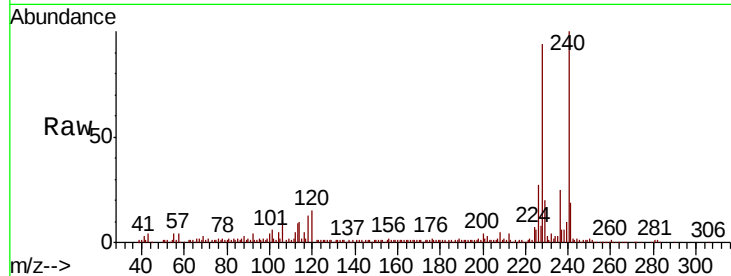
Tgt Ion:228 Resp: 123936

Ion Ratio Lower Upper

228 100

226 29.1 22.6 34.0

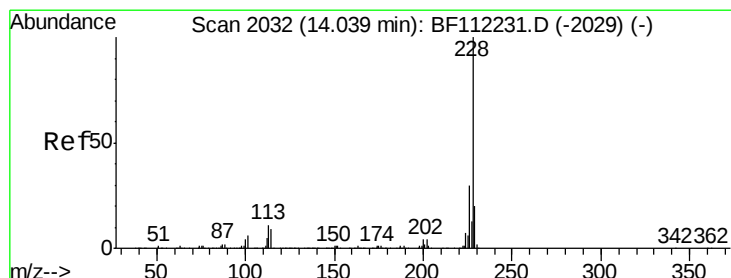
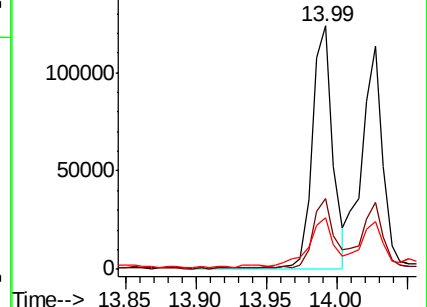
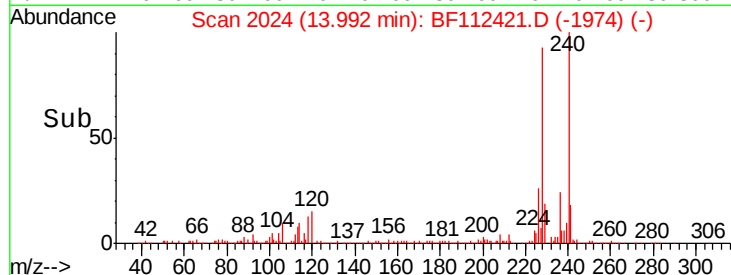
229 21.2 16.5 24.7



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: 6.864 ng

RT: 14.03 min Scan# 2030

Delta R.T. -0.01 min

Lab File: BF112421.D

Acq: 6 Feb 2019 15:48

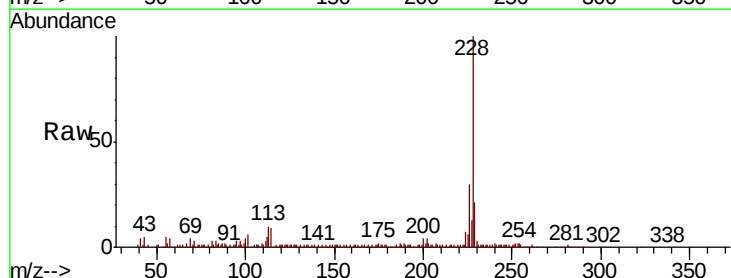
Tgt Ion:228 Resp: 118188

Ion Ratio Lower Upper

228 100

226 29.9 25.0 37.6

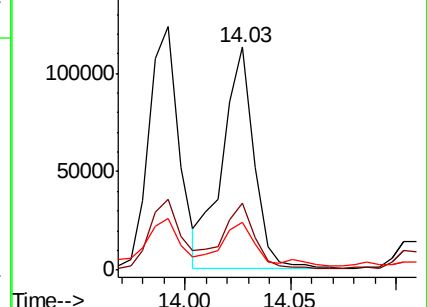
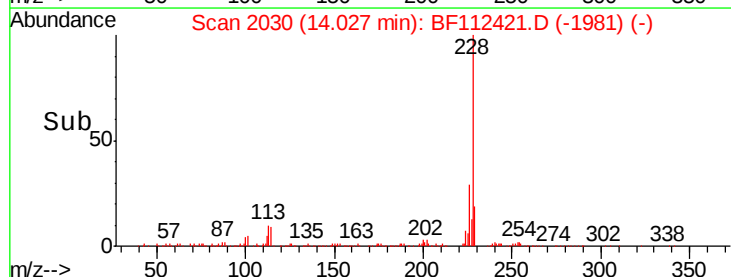
229 21.3 16.6 24.8

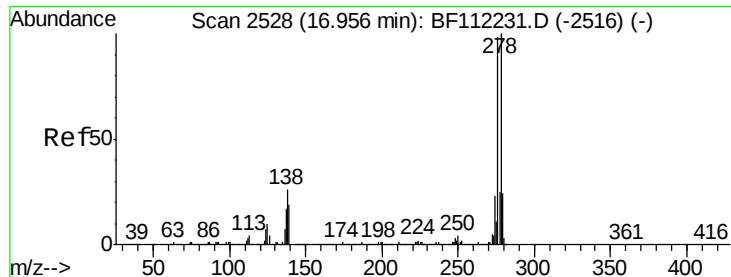


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

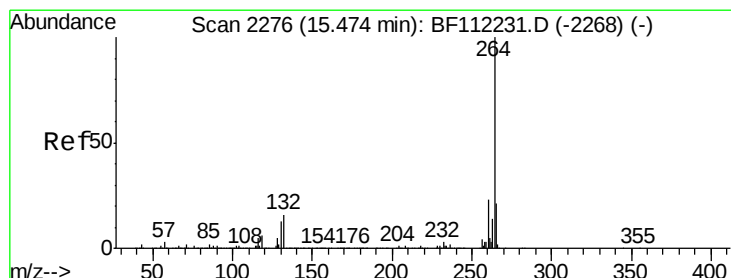
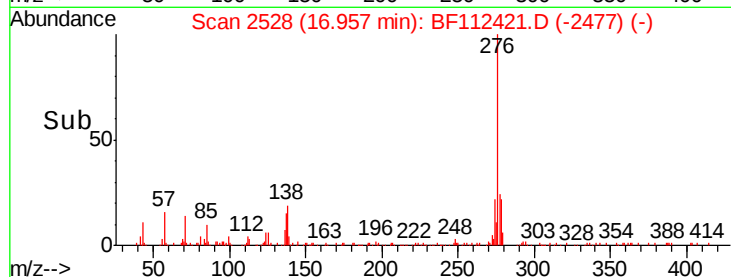
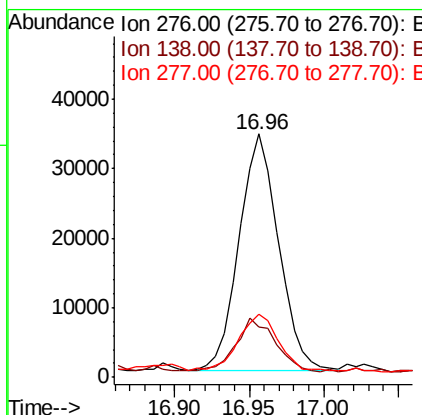
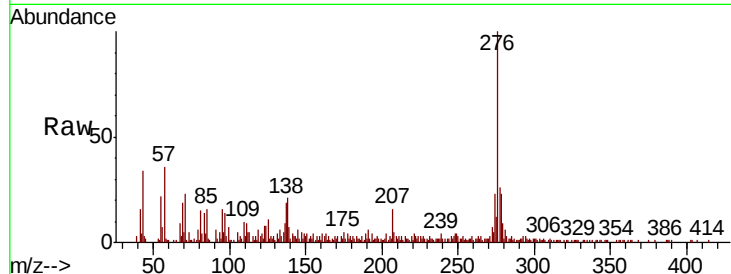




#86
 Indeno(1,2,3-cd)pyrene
 Concen: 4.583 ng
 RT: 16.96 min Scan# 2528
 Delta R.T. 0.00 min
 Lab File: BF112421.D
 Acq: 6 Feb 2019 15:48

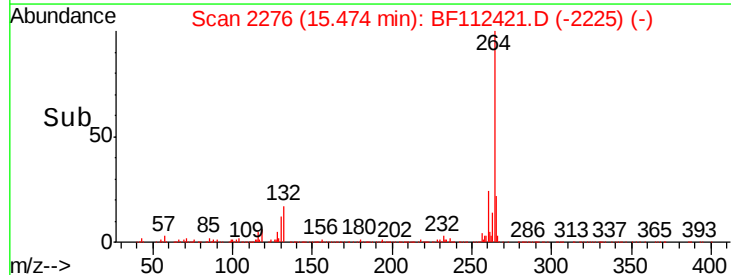
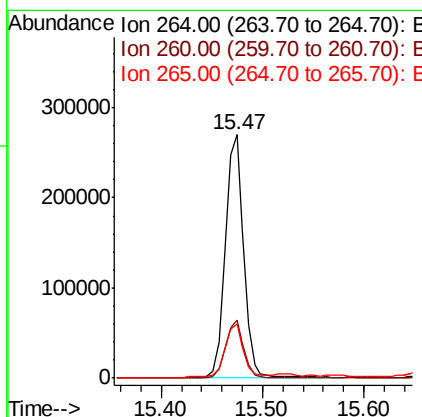
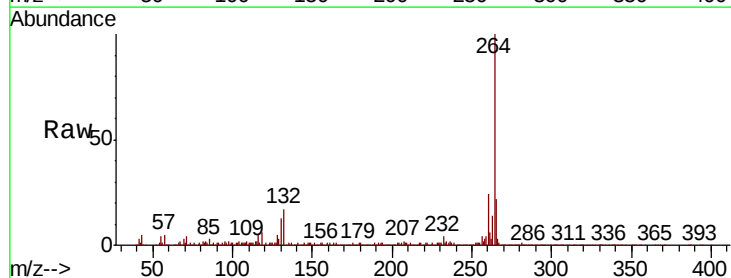
Instrument :
 BNA_F
 ClientSampleId :
 SU-01-020519-A

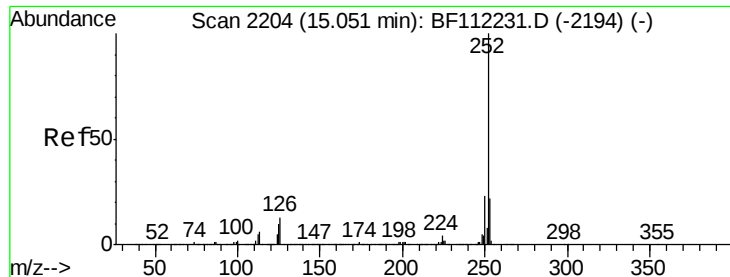
Tgt Ion:276 Resp: 62520
 Ion Ratio Lower Upper
 276 100
 138 23.2 22.6 34.0
 277 24.0 20.3 30.5



#87
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.47 min Scan# 2276
 Delta R.T. 0.00 min
 Lab File: BF112421.D
 Acq: 6 Feb 2019 15:48

Tgt Ion:264 Resp: 334203
 Ion Ratio Lower Upper
 264 100
 260 24.0 18.2 27.2
 265 22.0 17.0 25.4





#88

Benzo(b)fluoranthene

Concen: 10.481 ng

RT: 15.04 min Scan# 2203

Delta R.T. -0.01 min

Lab File: BF112421.D

Acq: 6 Feb 2019 15:48

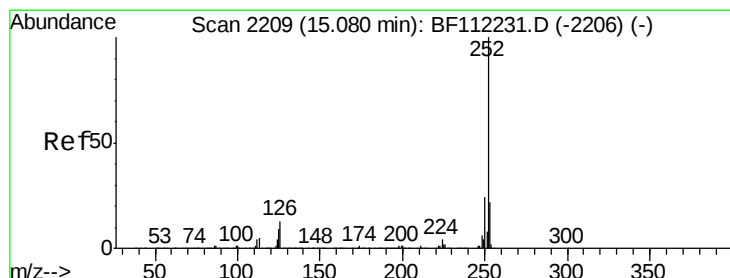
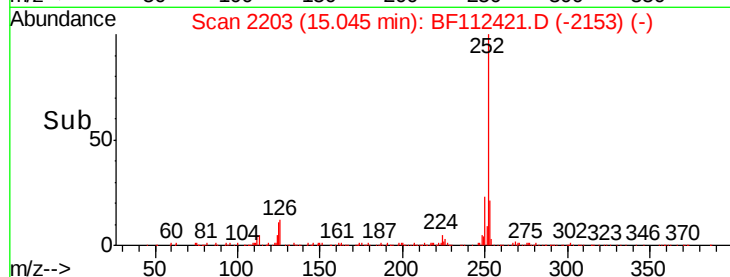
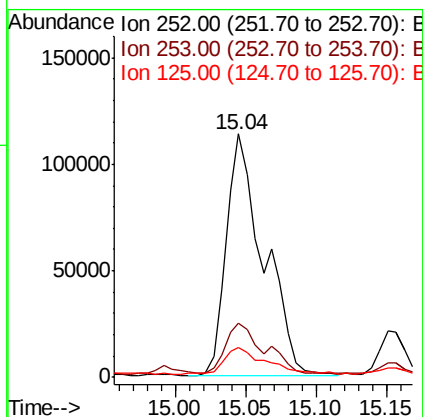
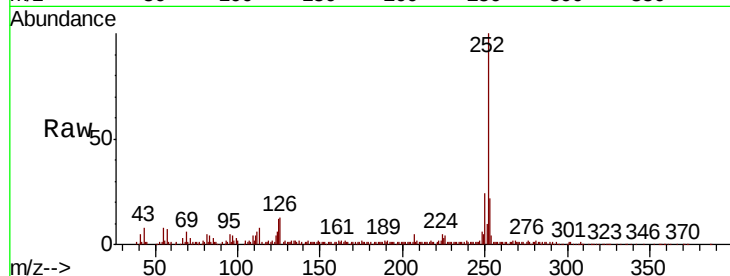
Instrument :

BNA_F

ClientSampleId :

SU-01-020519-A

Tgt Ion:	252	Resp:	209490
Ion	Ratio	Lower	Upper
252	100		
253	22.4	18.0	27.0
125	12.3	8.7	13.1



#89

Benzo(k)fluoranthene

Concen: 10.943 ng

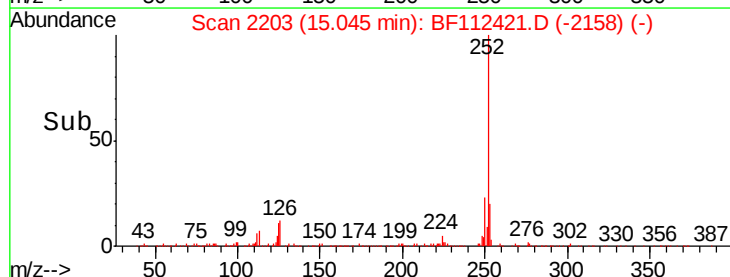
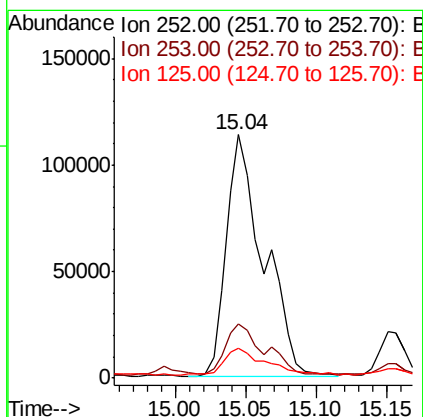
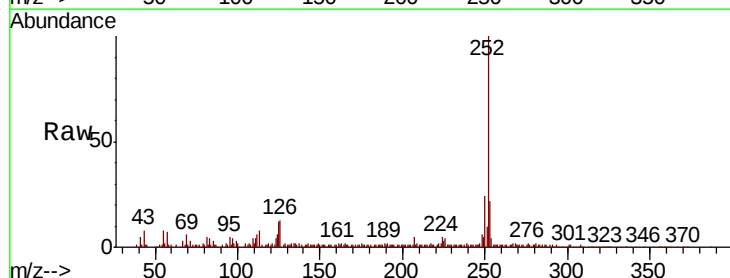
RT: 15.04 min Scan# 2203

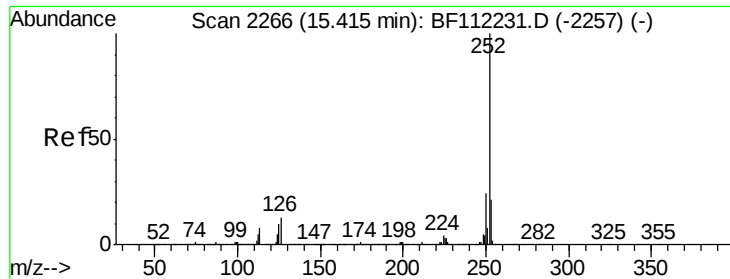
Delta R.T. -0.04 min

Lab File: BF112421.D

Acq: 6 Feb 2019 15:48

Tgt Ion:	252	Resp:	209490
Ion	Ratio	Lower	Upper
252	100		
253	22.4	18.0	27.0
125	12.3	9.1	13.7





#90

Benzo(a)pyrene

Concen: 6.984 ng

RT: 15.41 min Scan# 2265

Delta R.T. -0.01 min

Lab File: BF112421.D

Acq: 6 Feb 2019 15:48

Instrument :

BNA_F

ClientSampleId :

SU-01-020519-A

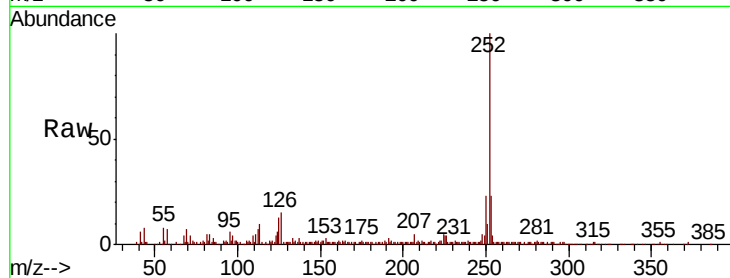
Tgt Ion:252 Resp: 125603

Ion Ratio Lower Upper

252 100

253 23.2 17.5 26.3

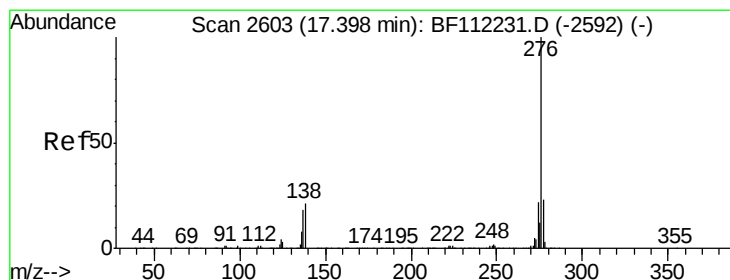
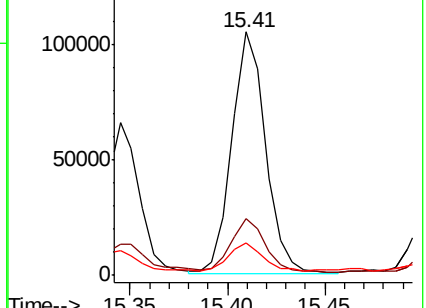
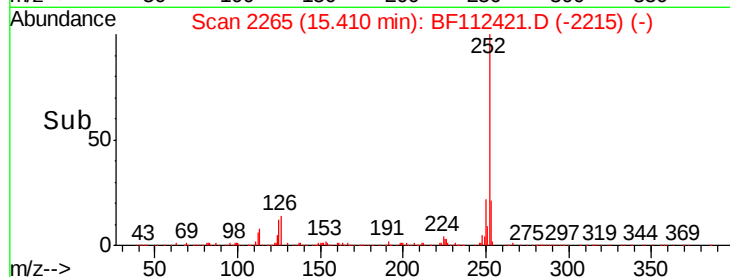
125 13.3 9.0 13.4



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: 4.470 ng

RT: 17.40 min Scan# 2604

Delta R.T. 0.01 min

Lab File: BF112421.D

Acq: 6 Feb 2019 15:48

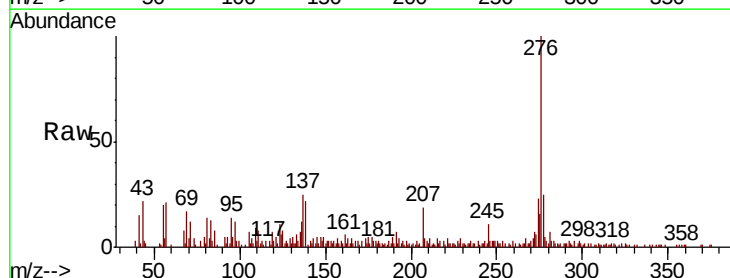
Tgt Ion:276 Resp: 61122

Ion Ratio Lower Upper

276 100

277 25.5 19.4 29.0

138 22.3 19.1 28.7



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

