

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF062919\
 Data File : BF115323.D
 Acq On : 29 Jun 2019 15:20
 Operator : HP/JU
 Sample : K3592-03
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 RBR-200052

Quant Time: Jun 30 01:45:09 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF062119.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Jun 28 05:26:43 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.60	152	178585	20.00	ng	0.00
21) Naphthalene-d8	7.88	136	689644	20.00	ng	0.00
39) Acenaphthene-d10	9.62	164	347526	20.00	ng	0.00
64) Phenanthrene-d10	11.10	188	704716	20.00	ng	0.00
76) Chrysene-d12	13.71	240	613720	20.00	ng	0.00
87) Perylene-d12	15.08	264	627125	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.20	112	1327435	114.70	ng	0.00
7) Phenol-d6	6.24	99	1664058	118.47	ng	0.00
23) Nitrobenzene-d5	7.16	82	1002383	89.41	ng	0.00
42) 2,4,6-Tribromophenol	10.41	330	503796	137.47	ng	0.00
45) 2-Fluorobiphenyl	8.96	172	1849615	90.40	ng	0.00
79) Terphenyl-d14	12.68	244	2206788	76.45	ng	0.00

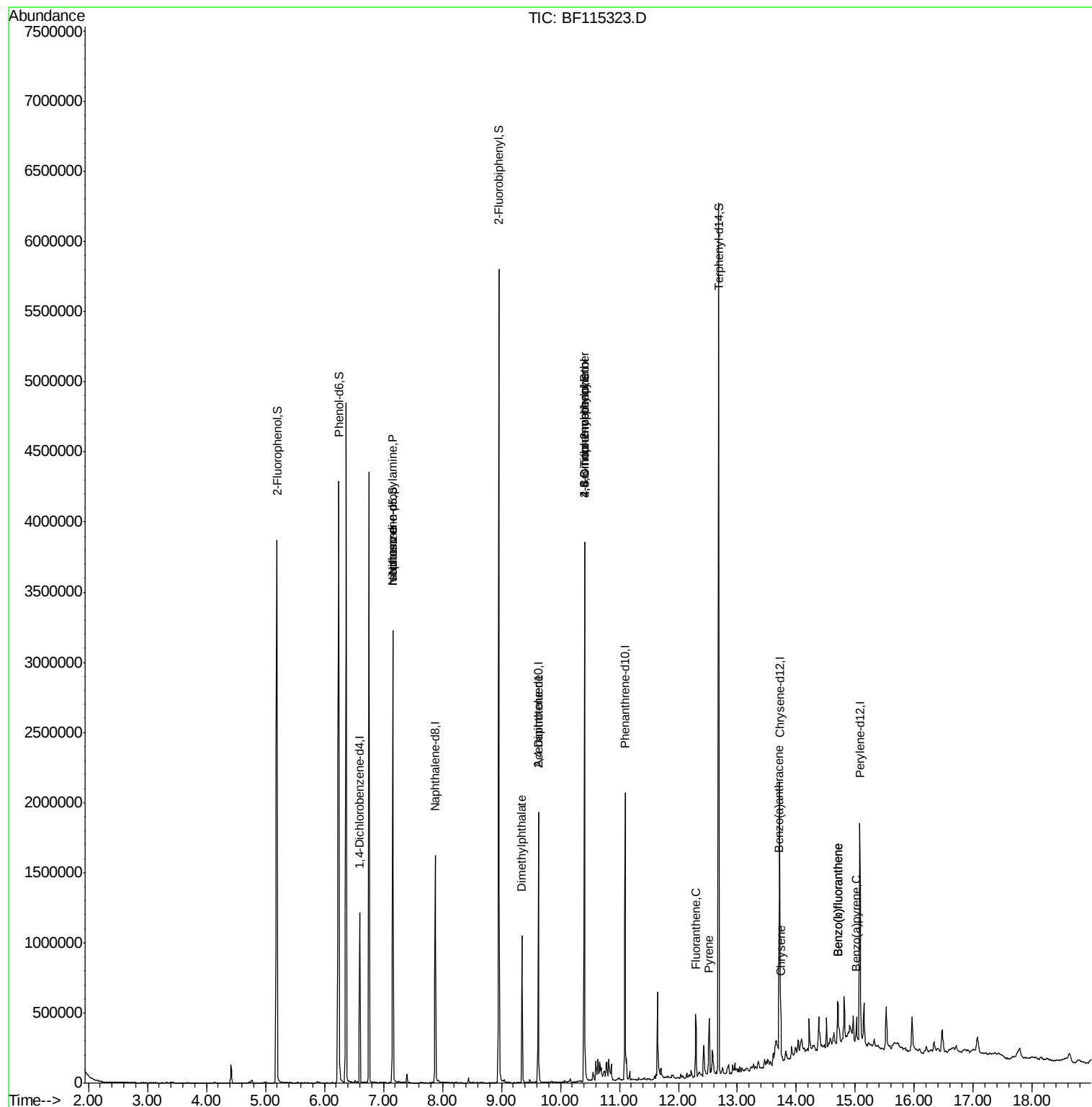
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
19) n-Nitroso-di-n-propylamine	7.16	70	132275	14.709	ng	# 76
25) Isophorone	7.16	82	1002370	43.646	ng	# 63
50) Dimethylphthalate	9.35	163	405583	15.863	ng	98
57) 2,4-Dinitrotoluene	9.62	165	44494	5.838	ng	# 30
58) Fluorene	10.17	166	2893	Below Cal		94
65) 4,6-Dinitro-2-methylphenol	10.41	198	1085	5.219	ng	# 1
67) 4-Bromophenyl-phenylether	10.41	248	30940	4.049	ng	# 1
75) Fluoranthene	12.30	202	169471	4.477	ng	97
78) Pyrene	12.52	202	171990	3.647	ng	97
81) Benzo(a)anthracene	13.70	228	89186	2.025	ng	94
83) Chrysene	13.74	228	106919	2.651	ng	95
88) Benzo(b)fluoranthene	14.71	252	183130	4.680	ng	98
89) Benzo(k)fluoranthene	14.71	252	183130	5.219	ng	98
90) Benzo(a)pyrene	15.02	252	73386	2.081	ng	99

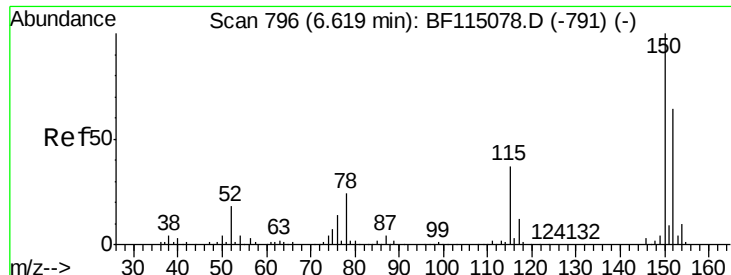
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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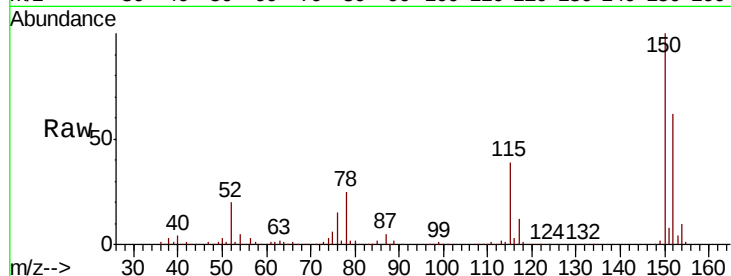


#1

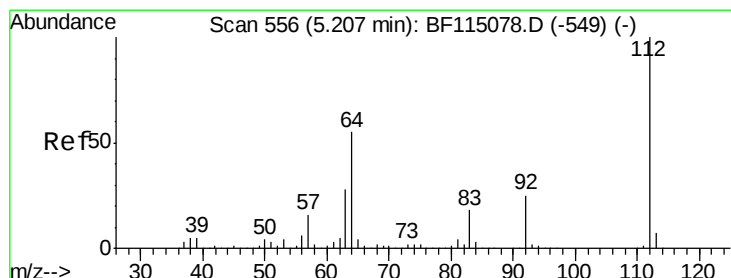
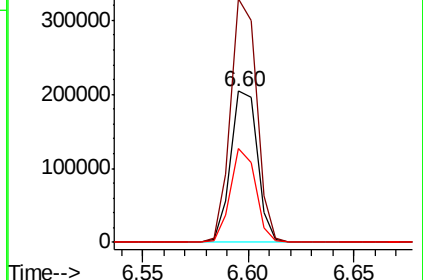
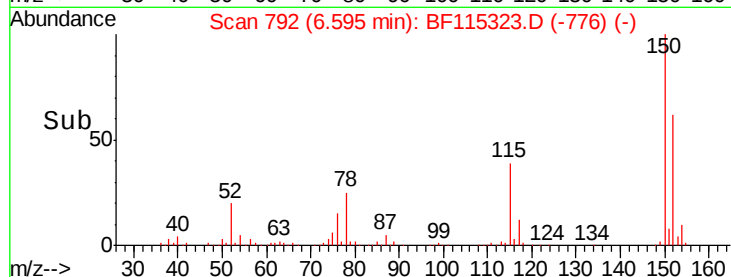
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.60 min Scan# 792
Delta R.T. -0.01 min
Lab File: BF115323.D
Acq: 29 Jun 2019 15:20

Instrument :
BNA_F
ClientSampleId :
RBR-200052

Tgt Ion:152 Resp: 178585
Ion Ratio Lower Upper
152 100
150 160.8 124.2 186.2
115 62.1 46.1 69.1



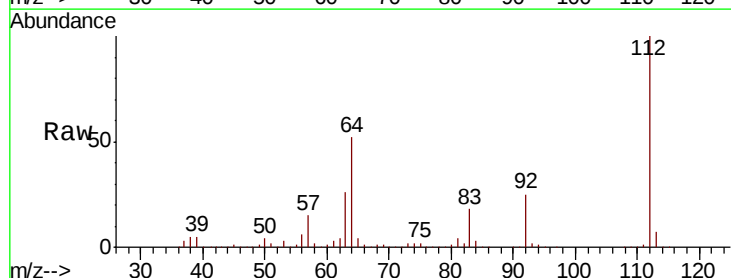
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



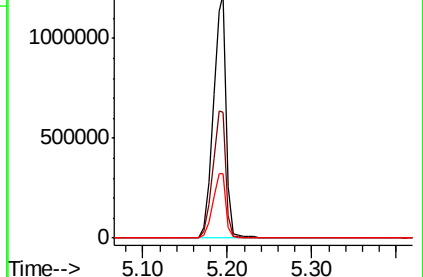
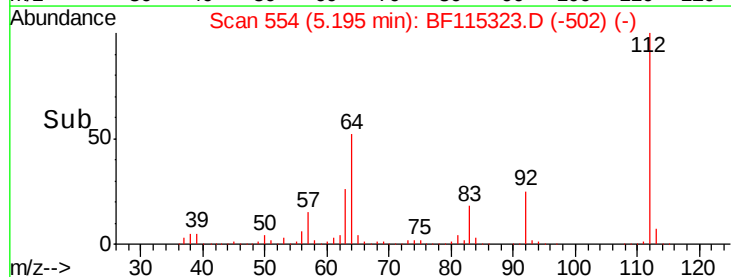
#5

2-Fluorophenol
Concen: 114.705 ng
RT: 5.20 min Scan# 554
Delta R.T. 0.01 min
Lab File: BF115323.D
Acq: 29 Jun 2019 15:20

Tgt Ion:112 Resp: 1327435
Ion Ratio Lower Upper
112 100
64 51.8 43.8 65.6
63 26.2 22.2 33.4



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: 118.469 ng

RT: 6.24 min Scan# 732

Delta R.T. 0.01 min

Lab File: BF115323.D

Acq: 29 Jun 2019 15:20

Instrument :

BNA_F

ClientSampleId :

RBR-200052

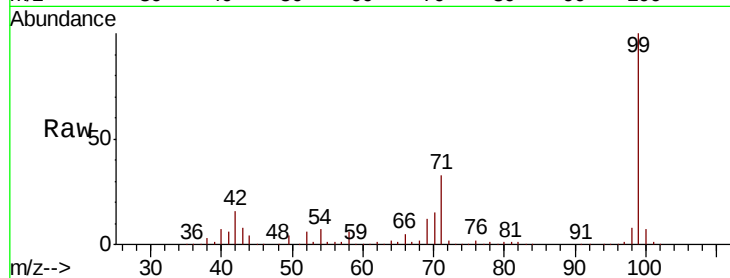
Tgt Ion: 99 Resp: 1664058

Ion Ratio Lower Upper

99 100

42 16.3 13.6 20.4

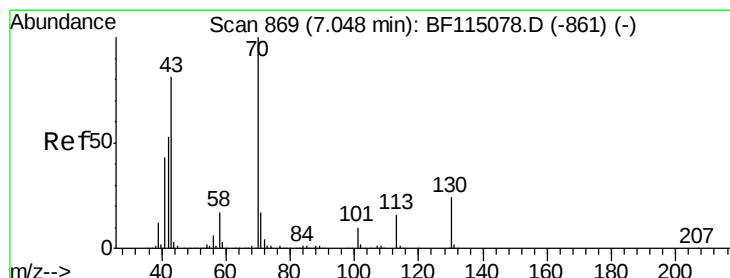
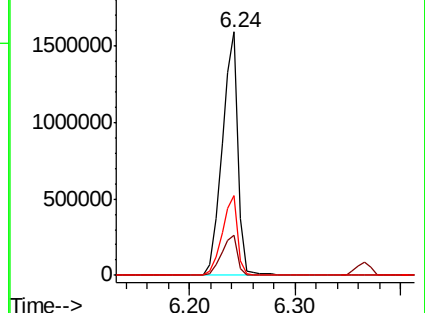
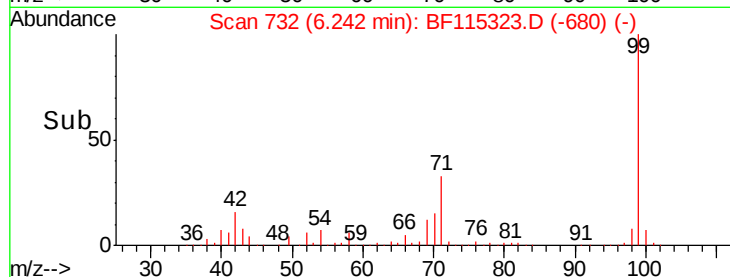
71 32.8 25.5 38.3



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: 14.709 ng

RT: 7.16 min Scan# 888

Delta R.T. 0.14 min

Lab File: BF115323.D

Acq: 29 Jun 2019 15:20

Tgt Ion: 70 Resp: 132275

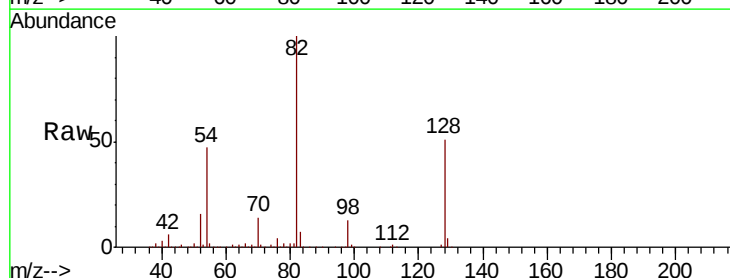
Ion Ratio Lower Upper

70 100

42 43.0 42.6 63.8

101 0.0 8.0 12.0#

130 2.5 19.4 29.0#

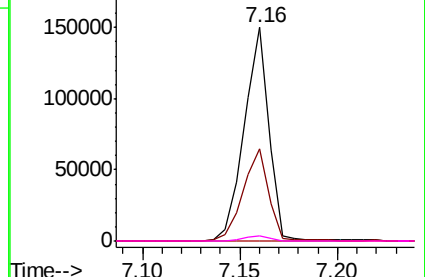
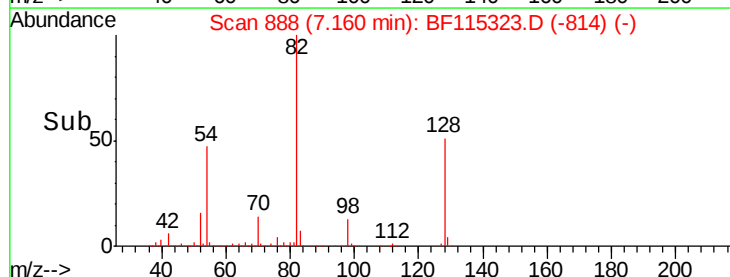


Abundance Ion 70.00 (69.70 to 70.70): BF1

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

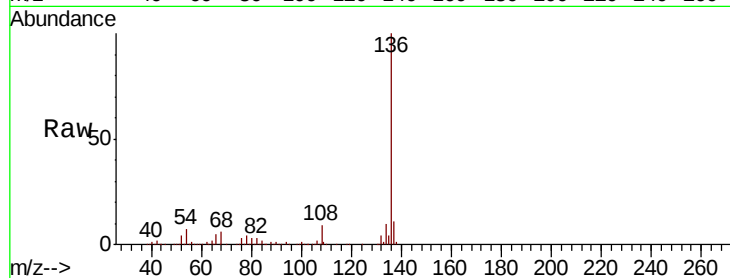




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 7.88 min Scan# 1010
Delta R.T. -0.01 min
Lab File: BF115323.D
Acq: 29 Jun 2019 15:20

Instrument :
BNA_F
ClientSampleId :
RBR-200052

Tgt Ion:	136	Resp:	689644
Ion	Ratio	Lower	Upper
136	100		
137	11.3	8.9	13.3
54	7.1	5.6	8.4
68	6.3	4.8	7.2



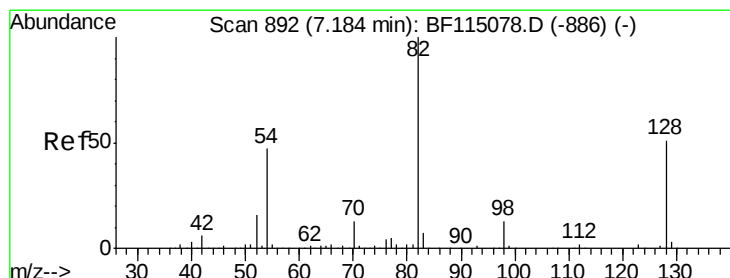
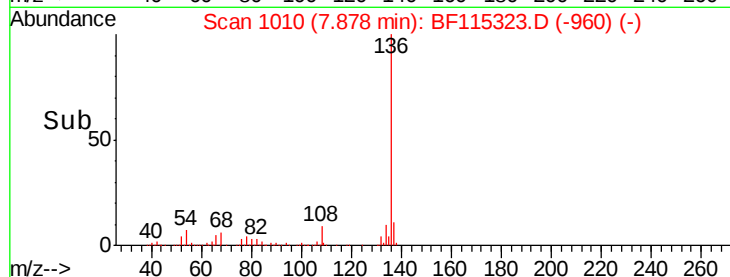
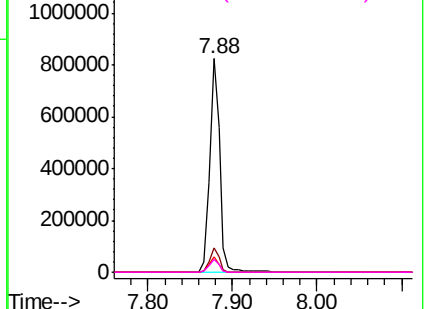
Abundance

Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

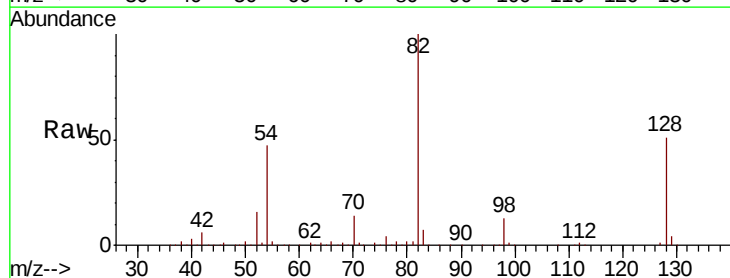
Ion 54.00 (53.70 to 54.70): BF1

Ion 68.00 (67.70 to 68.70): BF1



#23
Nitrobenzene-d5
Concen: 89.411 ng
RT: 7.16 min Scan# 888
Delta R.T. -0.01 min
Lab File: BF115323.D
Acq: 29 Jun 2019 15:20

Tgt Ion:	82	Resp:	1002383
Ion	Ratio	Lower	Upper
82	100		
128	51.1	40.4	60.6
54	47.1	37.5	56.3

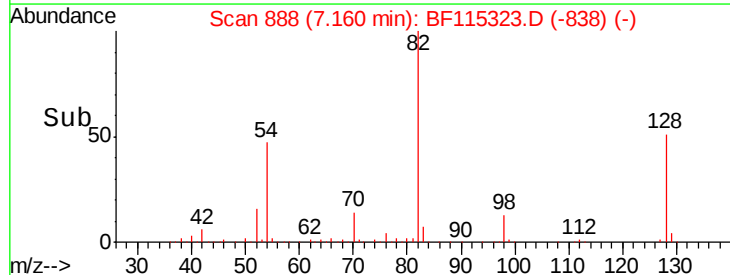
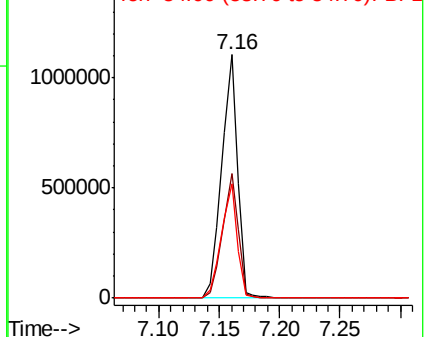


Abundance

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: 43.646 ng

RT: 7.16 min Scan# 888

Delta R.T. -0.26 min

Lab File: BF115323.D

Acq: 29 Jun 2019 15:20

Instrument :

BNA_F

ClientSampleId :

RBR-200052

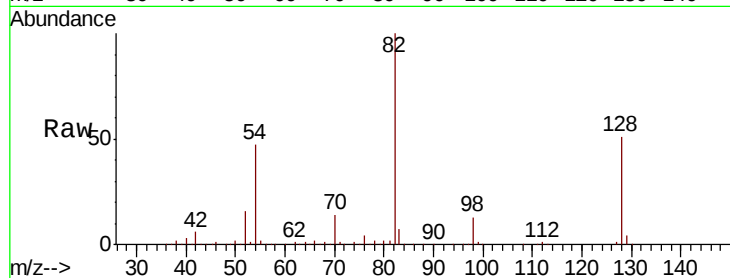
Tgt Ion: 82 Resp: 1002370

Ion Ratio Lower Upper

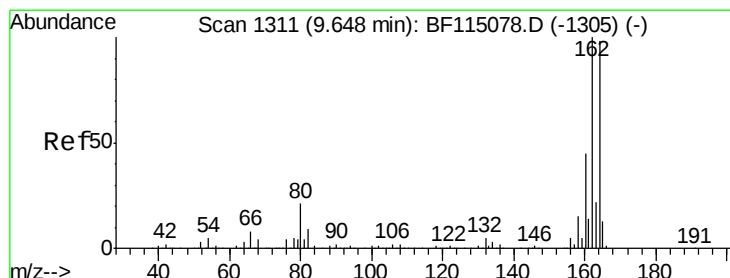
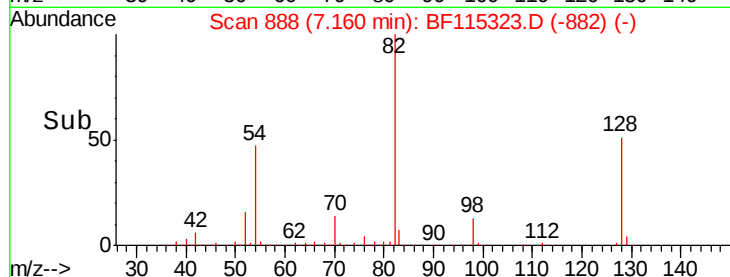
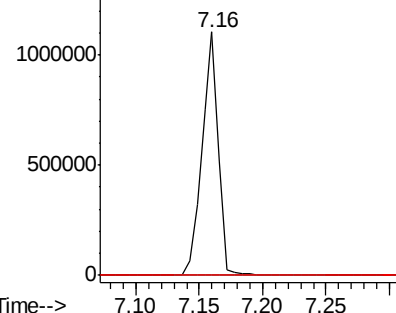
82 100

95 0.0 5.4 8.2#

138 0.0 15.9 23.9#



Abundance Ion 82.00 (81.70 to 82.70): BF1
1500000
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: 9.62 min Scan# 1307

Delta R.T. 0.00 min

Lab File: BF115323.D

Acq: 29 Jun 2019 15:20

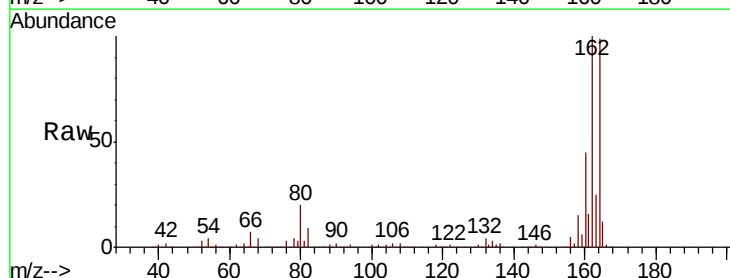
Tgt Ion: 164 Resp: 347526

Ion Ratio Lower Upper

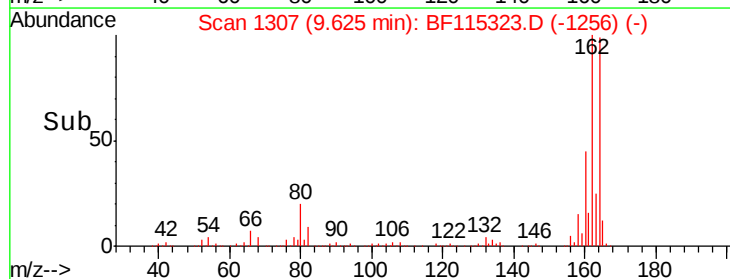
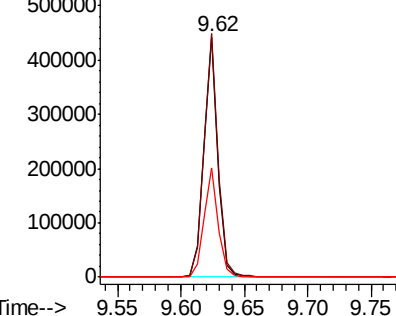
164 100

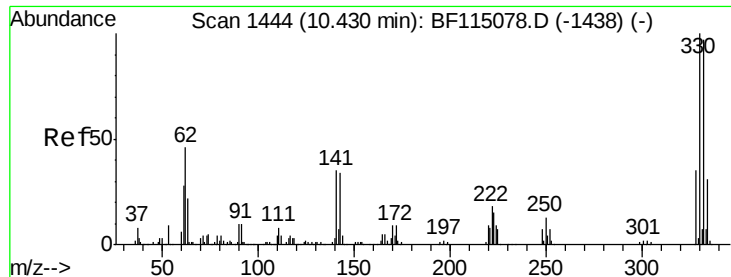
162 101.5 81.7 122.5

160 45.7 37.0 55.4



Abundance Ion 164.00 (163.70 to 164.70): E
600000
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E

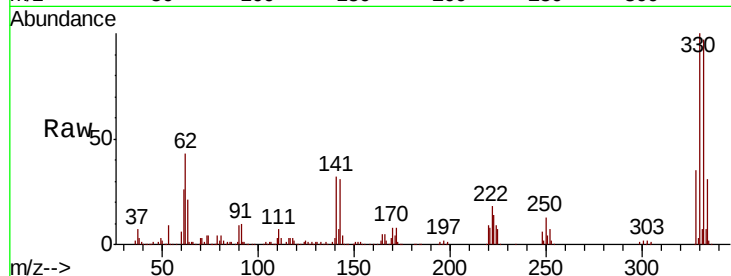




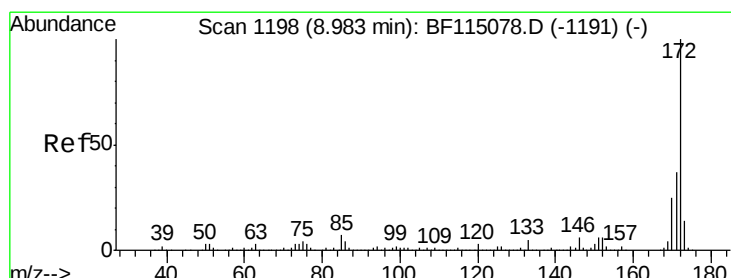
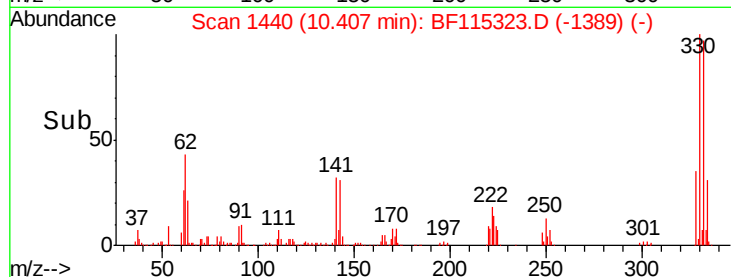
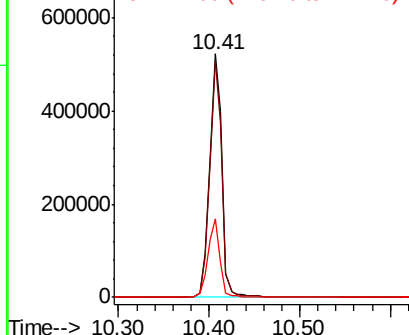
#42
 2,4,6-Tribromophenol
 Concen: 137.469 ng
 RT: 10.41 min Scan# 1440
 Delta R.T. 0.00 min
 Lab File: BF115323.D
 Acq: 29 Jun 2019 15:20

Instrument :
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 ClientSampleId :
 RBR-200052

Tgt Ion:330 Resp: 503796
 Ion Ratio Lower Upper
 330 100
 332 95.8 77.3 115.9
 141 31.7 28.2 42.2

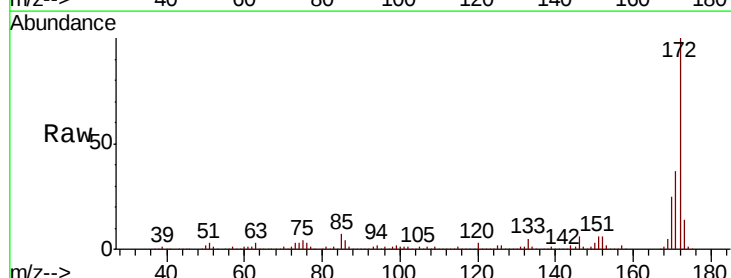


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

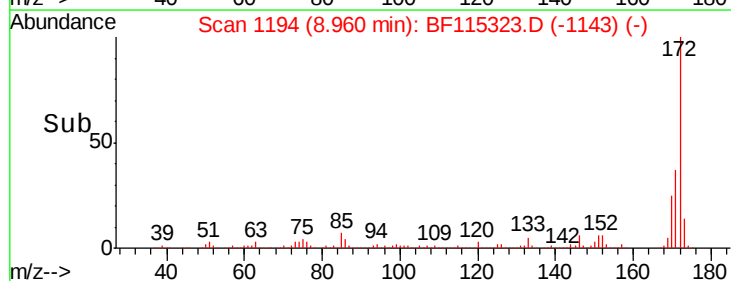
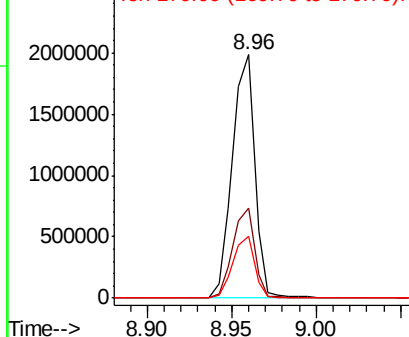


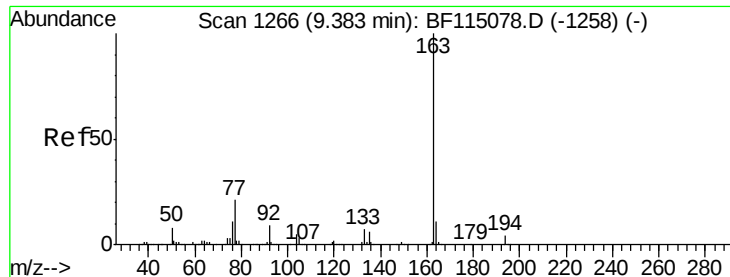
#45
 2-Fluorobiphenyl
 Concen: 90.405 ng
 RT: 8.96 min Scan# 1194
 Delta R.T. 0.00 min
 Lab File: BF115323.D
 Acq: 29 Jun 2019 15:20

Tgt Ion:172 Resp: 1849615
 Ion Ratio Lower Upper
 172 100
 171 36.8 29.8 44.6
 170 25.3 20.3 30.5



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

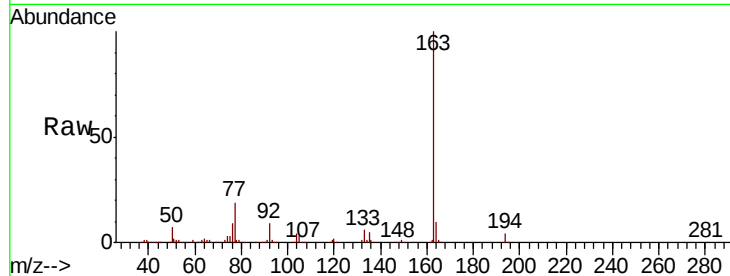




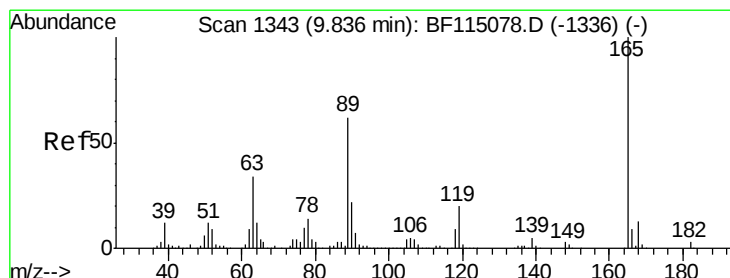
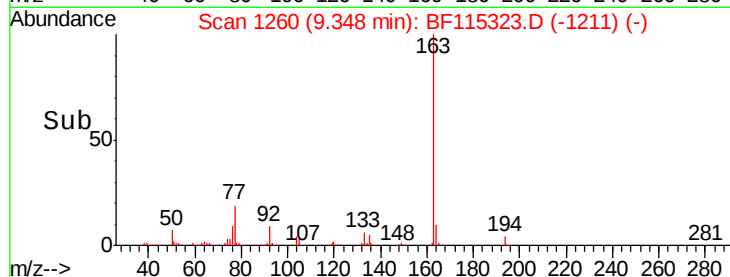
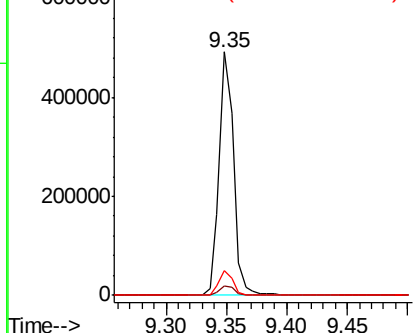
#50
Dimethylphthalate
Concen: 15.863 ng
RT: 9.35 min Scan# 1260
Delta R.T. -0.01 min
Lab File: BF115323.D
Acq: 29 Jun 2019 15:20

Instrument :
BNA_F
ClientSampleId :
RBR-200052

Tgt Ion:163 Resp: 405583
Ion Ratio Lower Upper
163 100
194 3.6 3.2 4.8
164 10.2 8.6 13.0

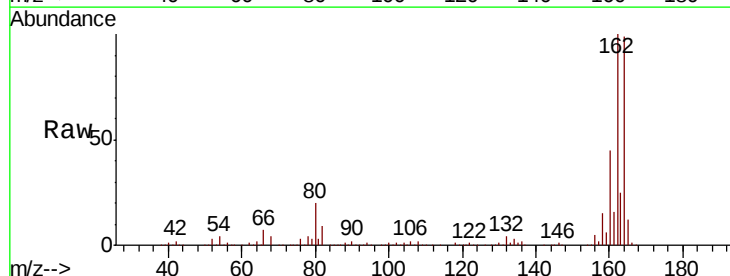


Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

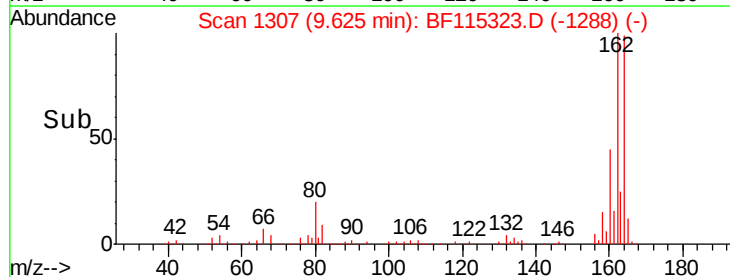
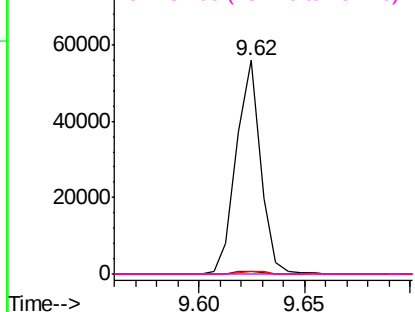


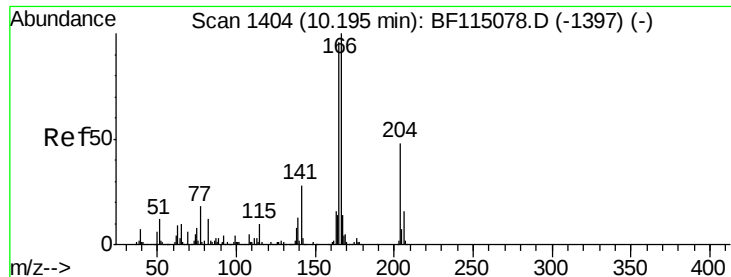
#57
2,4-Dinitrotoluene
Concen: 5.838 ng
RT: 9.62 min Scan# 1307
Delta R.T. -0.19 min
Lab File: BF115323.D
Acq: 29 Jun 2019 15:20

Tgt Ion:165 Resp: 44494
Ion Ratio Lower Upper
165 100
63 1.4 27.5 41.3#
89 1.3 49.9 74.9#
182 0.0 2.1 3.1#



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: Below Cal

RT: 10.17 min Scan# 1399

Delta R.T. -0.01 min

Lab File: BF115323.D

Acq: 29 Jun 2019 15:20

Instrument :

BNA_F

ClientSampleId :

RBR-200052

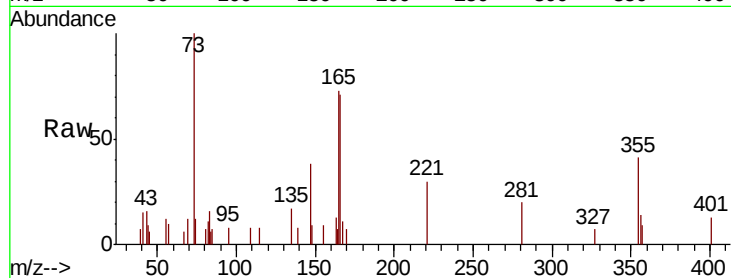
Tgt Ion:166 Resp: 2893

Ion Ratio Lower Upper

166 100

165 101.9 76.5 114.7

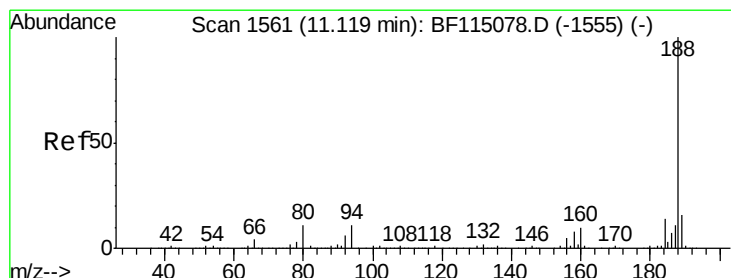
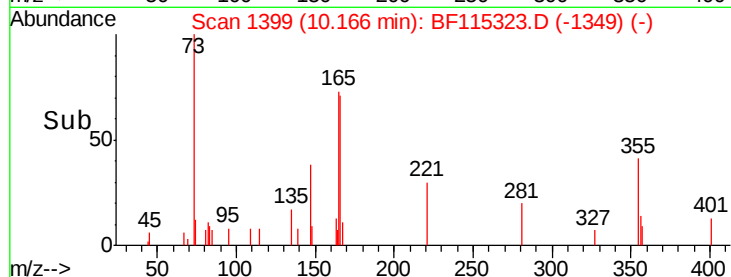
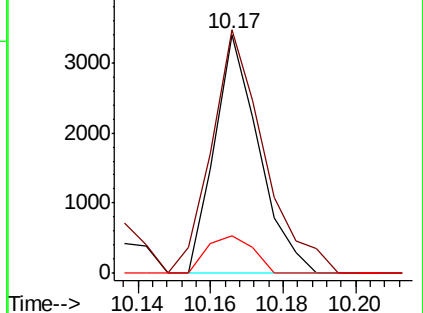
167 15.9 11.0 16.4



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: 11.10 min Scan# 1557

Delta R.T. 0.00 min

Lab File: BF115323.D

Acq: 29 Jun 2019 15:20

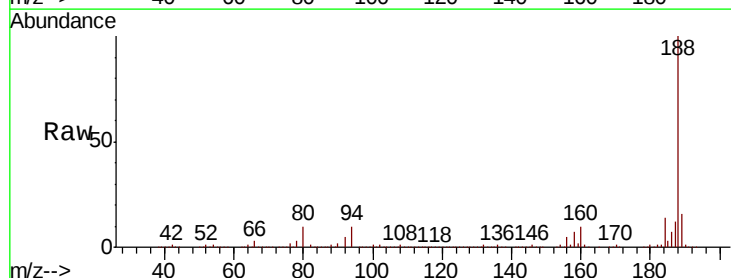
Tgt Ion:188 Resp: 704716

Ion Ratio Lower Upper

188 100

94 9.9 8.6 12.8

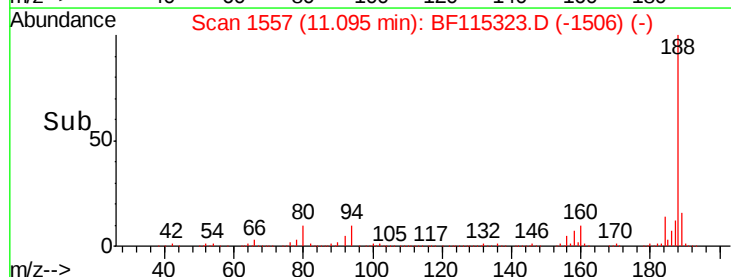
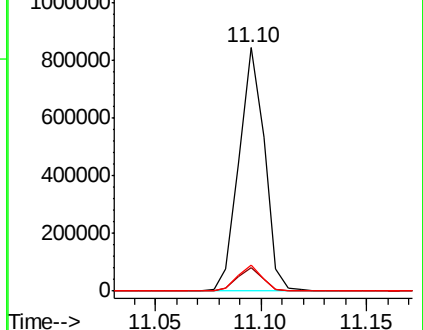
80 10.5 8.8 13.2

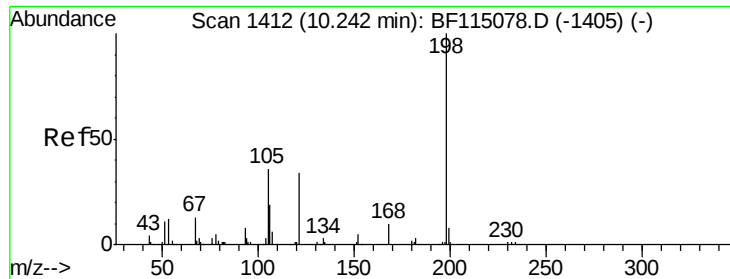


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF1

Ion 80.00 (79.70 to 80.70): BF1





#65

4,6-Dinitro-2-methylphenol

Concen: 5.219 ng

RT: 10.41 min Scan# 1440

Delta R.T. 0.19 min

Lab File: BF115323.D

Acq: 29 Jun 2019 15:20

Instrument :

BNA_F

ClientSampleId :

RBR-200052

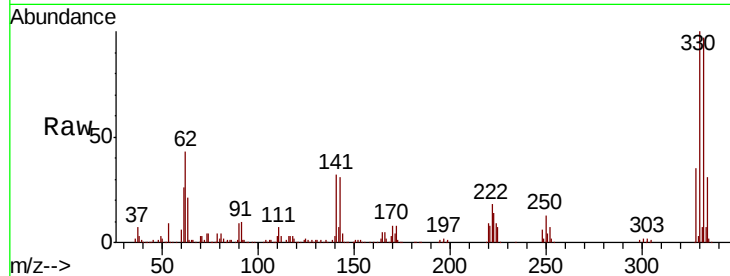
Tgt Ion:198 Resp: 1085

Ion Ratio Lower Upper

198 100

51 129.4 11.0 51.0#

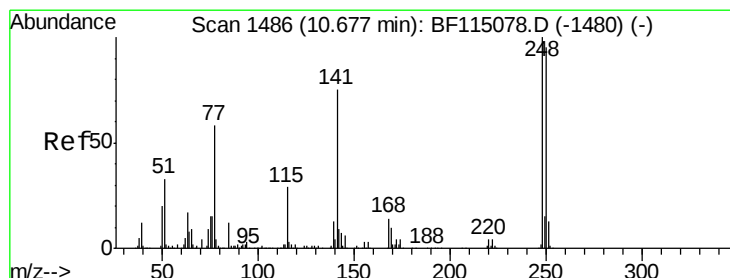
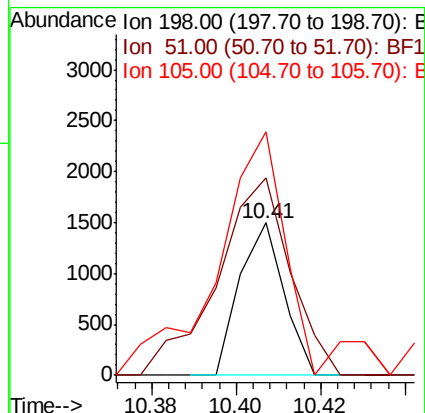
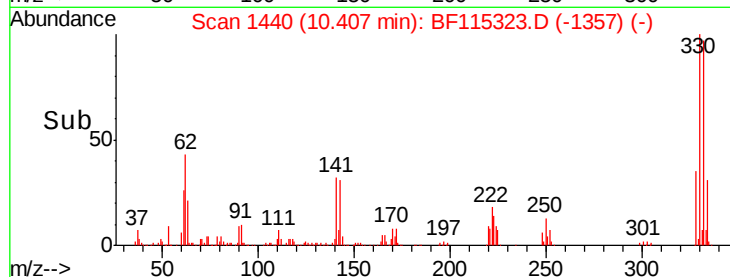
105 159.9 17.3 57.3#



Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BF1

Ion 105.00 (104.70 to 105.70): E



#67

4-Bromophenyl-phenylether

Concen: 4.049 ng

RT: 10.41 min Scan# 1440

Delta R.T. -0.25 min

Lab File: BF115323.D

Acq: 29 Jun 2019 15:20

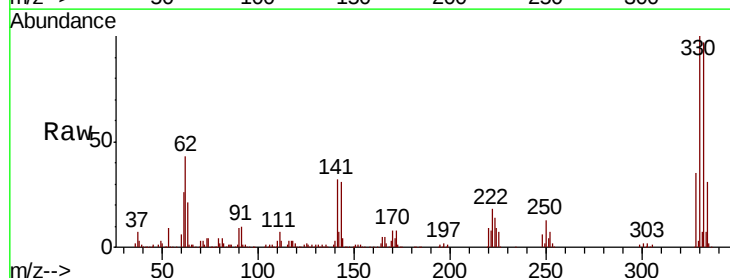
Tgt Ion:248 Resp: 30940

Ion Ratio Lower Upper

248 100

250 205.5 76.2 114.2#

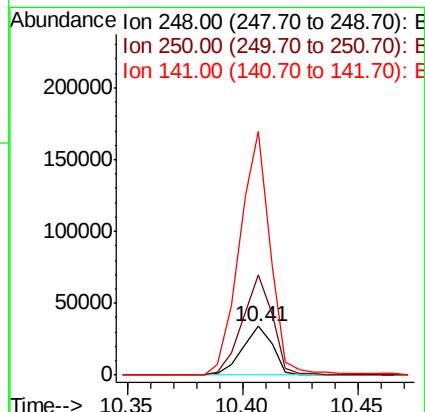
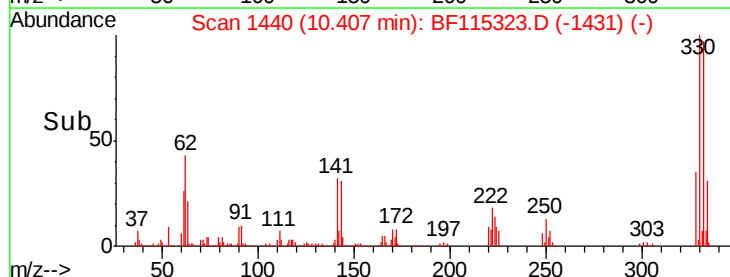
141 500.6 59.6 89.4#

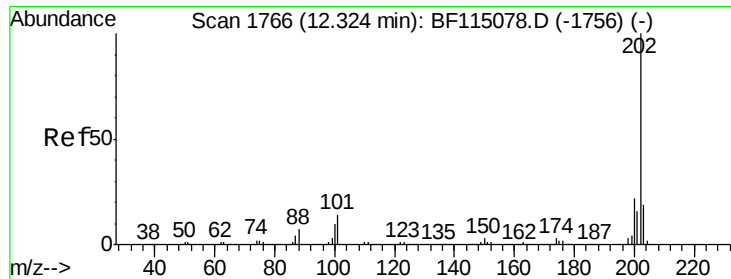


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E





#75

Fluoranthene

Concen: 4.477 ng

RT: 12.30 min Scan# 1761

Delta R.T. -0.01 min

Lab File: BF115323.D

Acq: 29 Jun 2019 15:20

Instrument :

BNA_F

ClientSampleId :

RBR-200052

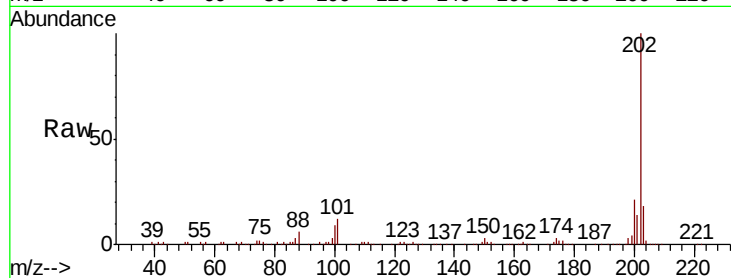
Tgt Ion:202 Resp: 169471

Ion Ratio Lower Upper

202 100

101 12.5 0.0 34.0

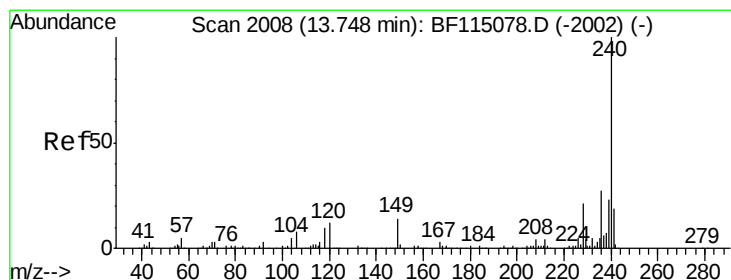
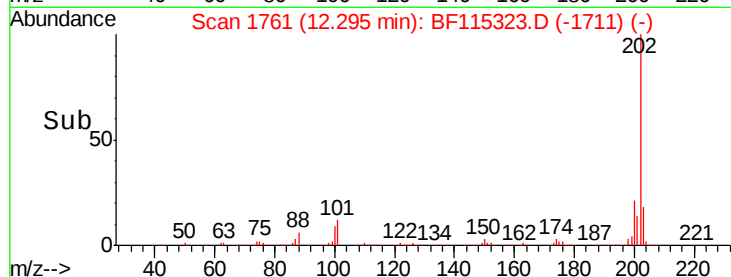
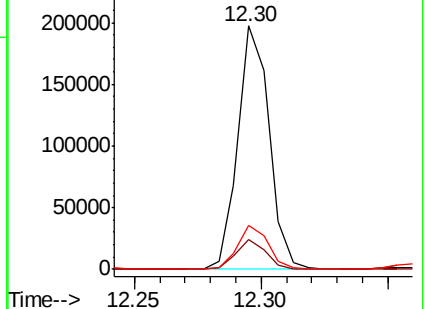
203 18.0 0.0 38.8



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: 13.71 min Scan# 2002

Delta R.T. -0.01 min

Lab File: BF115323.D

Acq: 29 Jun 2019 15:20

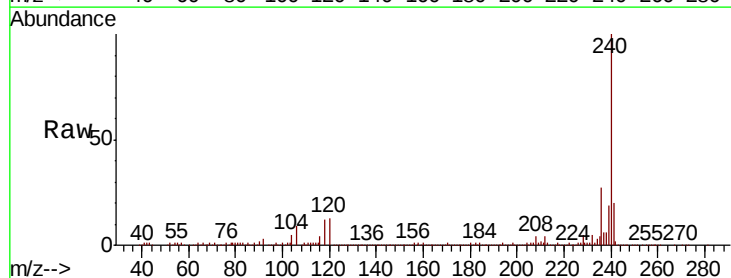
Tgt Ion:240 Resp: 613720

Ion Ratio Lower Upper

240 100

120 13.2 9.4 14.2

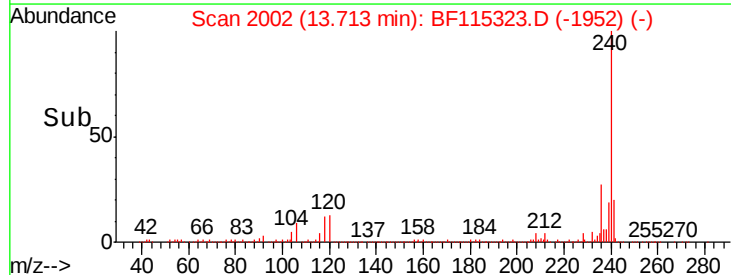
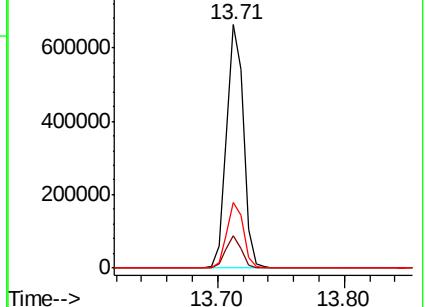
236 26.9 21.7 32.5

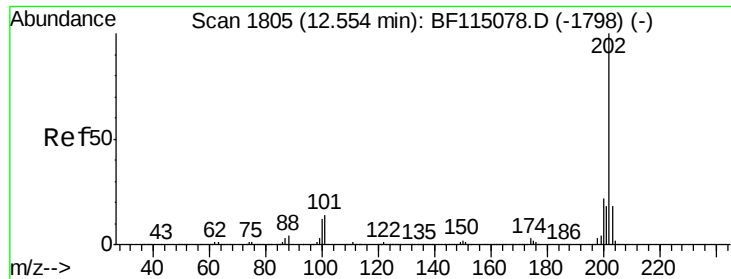


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E

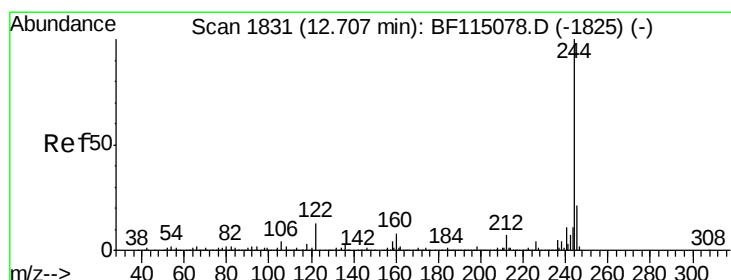
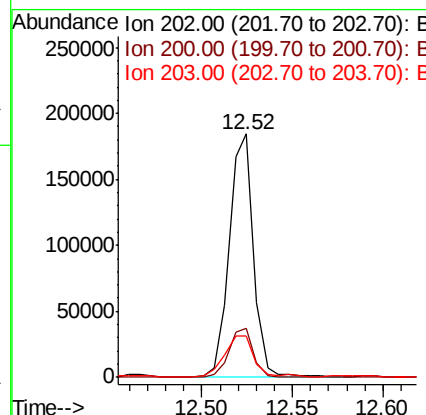
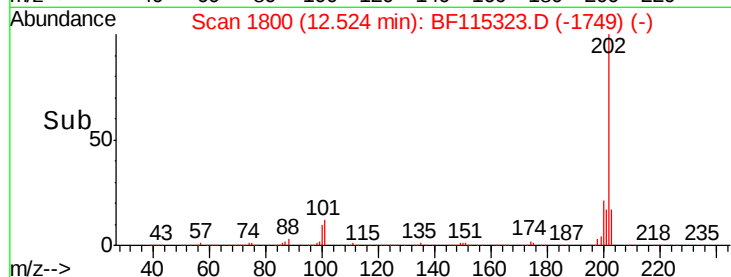
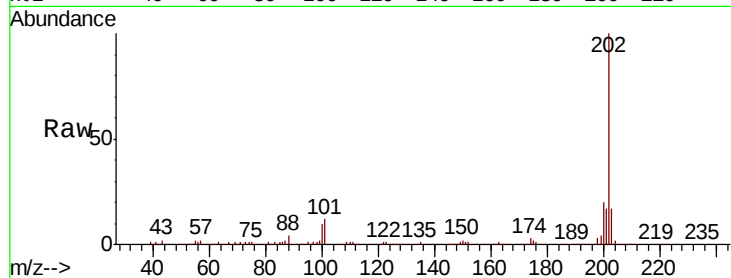




#78
 Pyrene
 Concen: 3.647 ng
 RT: 12.52 min Scan# 1800
 Delta R.T. 0.00 min
 Lab File: BF115323.D
 Acq: 29 Jun 2019 15:20

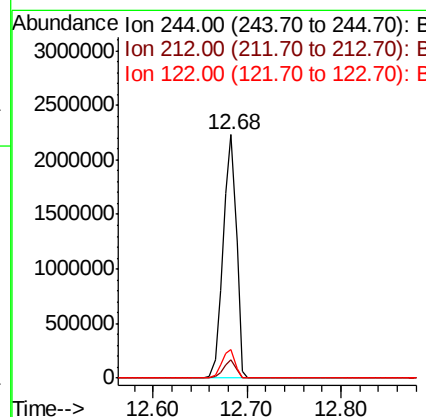
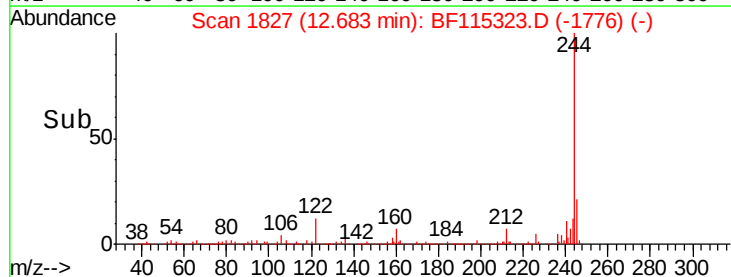
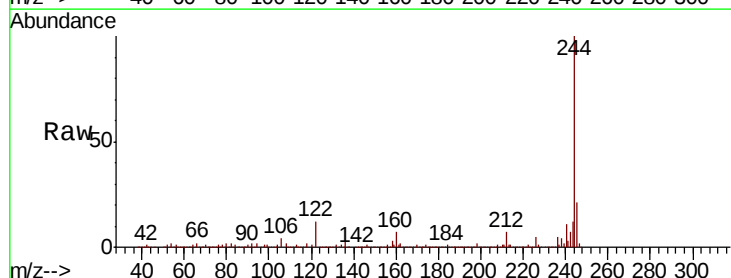
Instrument :
 BNA_F
 ClientSampleId :
 RBR-200052

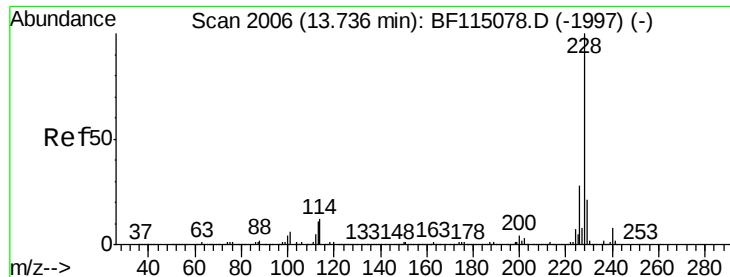
Tgt Ion: 202 Resp: 171990
 Ion Ratio Lower Upper
 202 100
 200 20.4 17.9 26.9
 203 17.2 14.6 21.8



#79
 Terphenyl-d14
 Concen: 76.451 ng
 RT: 12.68 min Scan# 1827
 Delta R.T. 0.00 min
 Lab File: BF115323.D
 Acq: 29 Jun 2019 15:20

Tgt Ion: 244 Resp: 2206788
 Ion Ratio Lower Upper
 244 100
 212 7.3 5.8 8.6
 122 12.0 10.4 15.6

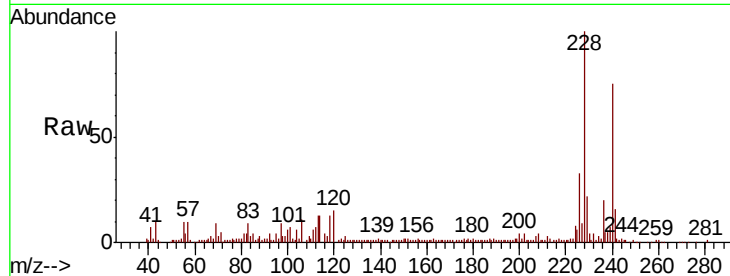




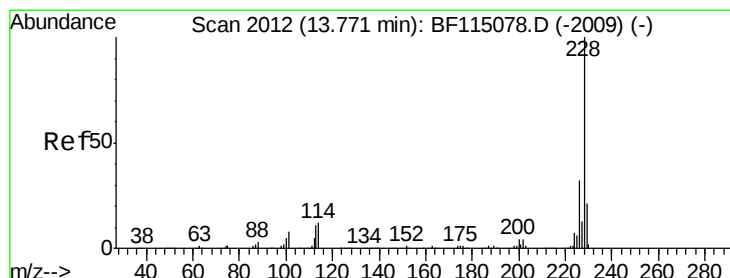
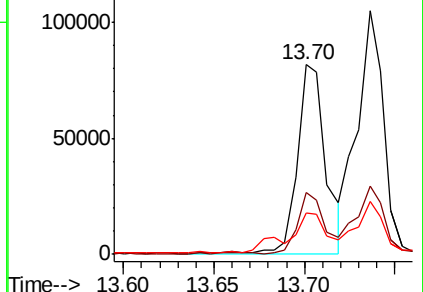
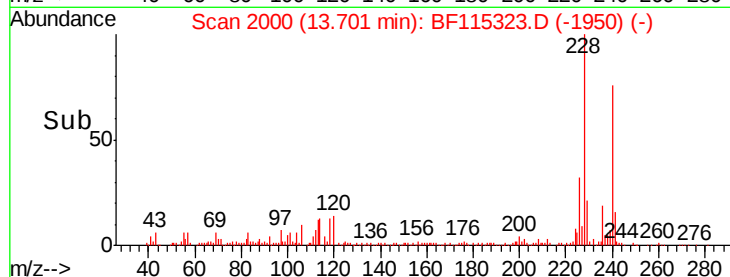
#81
Benzo(a)anthracene
Concen: 2.025 ng
RT: 13.70 min Scan# 2000
Delta R.T. -0.01 min
Lab File: BF115323.D
Acq: 29 Jun 2019 15:20

Instrument :
BNA_F
ClientSampleId :
RBR-200052

Tgt Ion	Ratio	Lower	Upper
228	100		
226	32.8	22.5	33.7
229	21.7	16.6	24.8

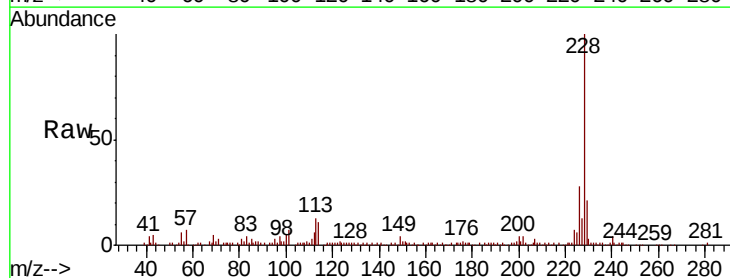


Abundance Ion 228.00 (227.70 to 228.70): E
Ion 226.00 (225.70 to 226.70): E
Ion 229.00 (228.70 to 229.70): E

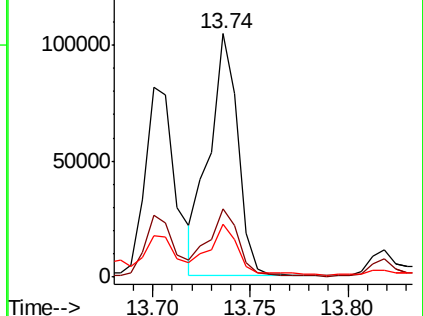
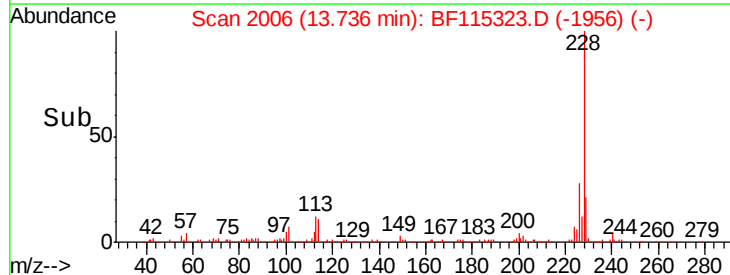


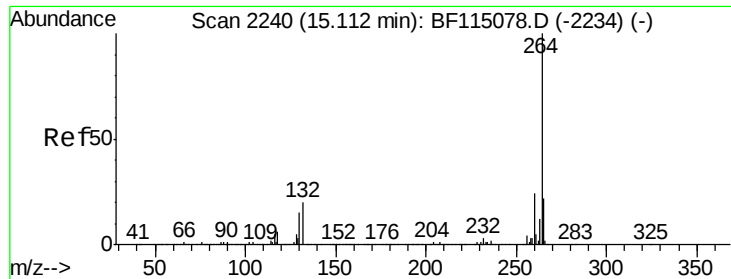
#83
Chrysene
Concen: 2.651 ng
RT: 13.74 min Scan# 2006
Delta R.T. -0.01 min
Lab File: BF115323.D
Acq: 29 Jun 2019 15:20

Tgt Ion	Ratio	Lower	Upper
228	100		
226	28.2	25.4	38.0
229	21.5	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





#87

Perylene-d12

Concen: 20.000 ng

RT: 15.08 min Scan# 2234

Delta R.T. -0.01 min

Lab File: BF115323.D

Acq: 29 Jun 2019 15:20

Instrument :

BNA_F

ClientSampleId :

RBR-200052

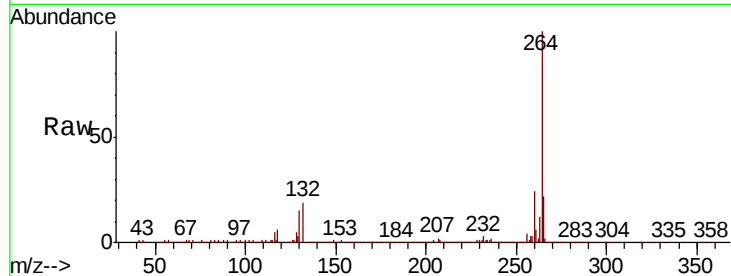
Tgt Ion:264 Resp: 627125

Ion Ratio Lower Upper

264 100

260 24.0 19.6 29.4

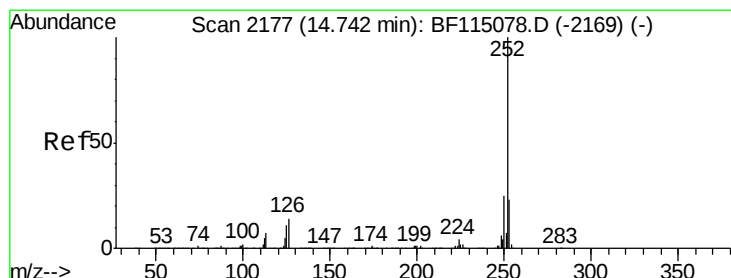
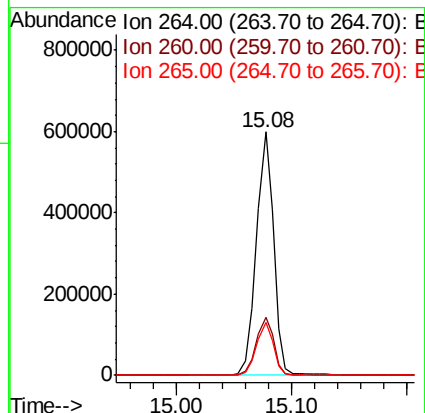
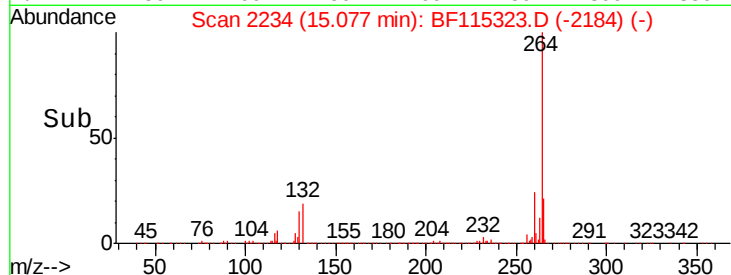
265 21.6 17.3 25.9



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: 4.680 ng

RT: 14.71 min Scan# 2171

Delta R.T. -0.01 min

Lab File: BF115323.D

Acq: 29 Jun 2019 15:20

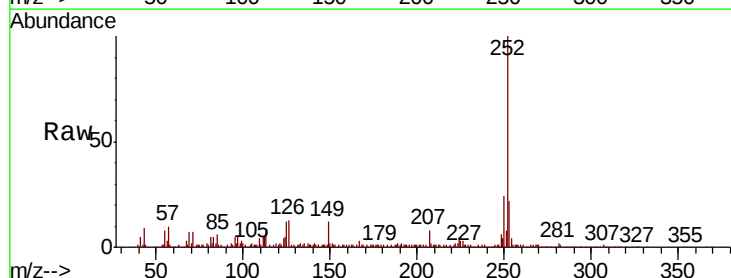
Tgt Ion:252 Resp: 183130

Ion Ratio Lower Upper

252 100

253 22.1 18.1 27.1

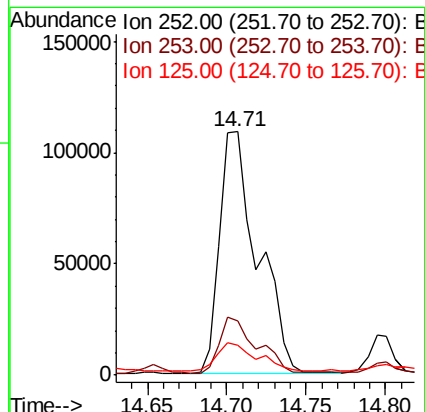
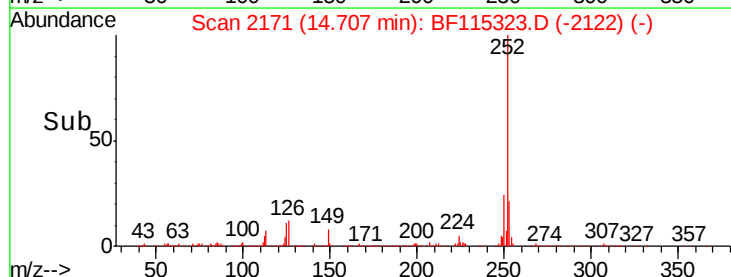
125 12.5 8.7 13.1

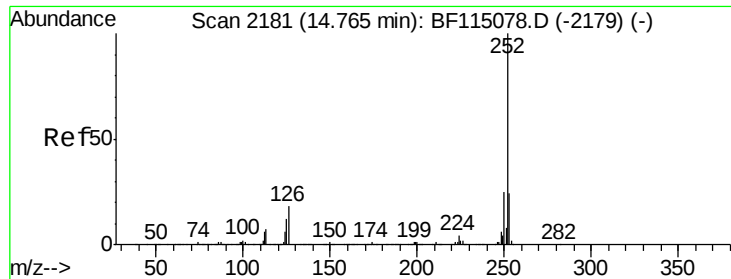


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E

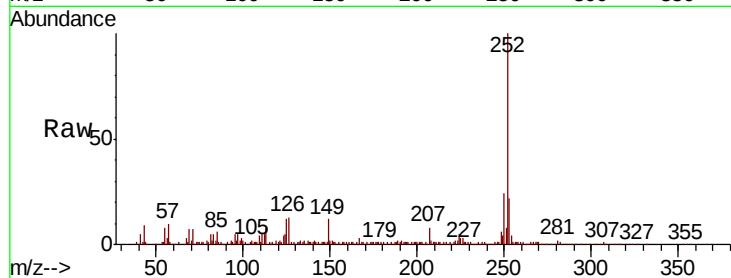




#89
Benzo(k)fluoranthene
Concen: 5.219 ng
RT: 14.71 min Scan# 2171
Delta R.T. -0.04 min
Lab File: BF115323.D
Acq: 29 Jun 2019 15:20

Instrument :
BNA_F
ClientSampleId :
RBR-200052

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.1	18.9	28.3
125	12.5	10.2	15.2

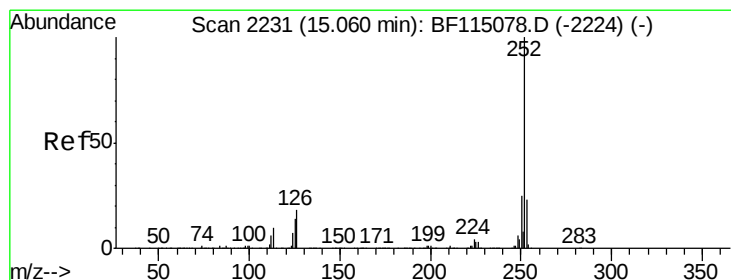
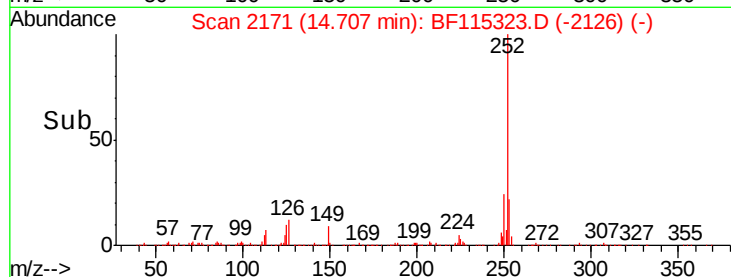
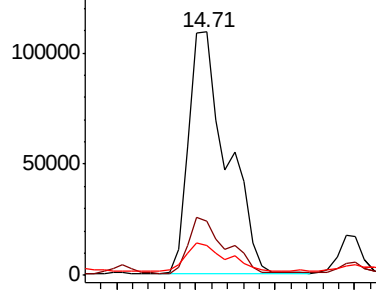


Abundance

Ion 252.00 (251.70 to 252.70): E

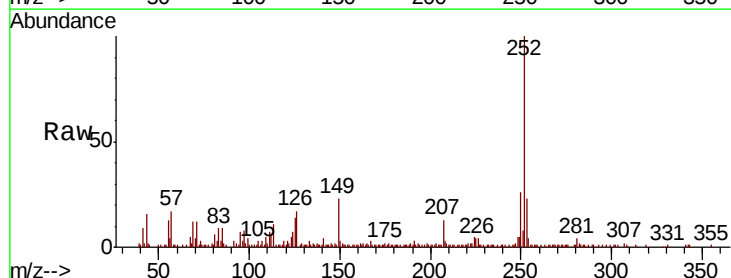
Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



#90
Benzo(a)pyrene
Concen: 2.081 ng
RT: 15.02 min Scan# 2224
Delta R.T. -0.02 min
Lab File: BF115323.D
Acq: 29 Jun 2019 15:20

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.4	18.3	27.5
125	13.5	10.9	16.3



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

