

Data File : BF115295.D
Acq On : 28 Jun 2019 21:29
Operator : HP/JU
Sample : K3528-02
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SB-06-COMP

Quant Time: Jun 29 02:38:27 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	273782	20.00	ng	0.00
21) Naphthalene-d8	7.88	136	1055137	20.00	ng	0.00
39) Acenaphthene-d10	9.62	164	536691	20.00	ng	0.00
64) Phenanthrene-d10	11.10	188	1030829	20.00	ng	0.00
76) Chrysene-d12	13.71	240	759323	20.00	ng	0.00
87) Perylene-d12	15.07	264	760770	20.00	ng	-0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.20	112	1522503	85.82	ng	0.00
7) Phenol-d6	6.24	99	1939342	90.06	ng	0.00
23) Nitrobenzene-d5	7.16	82	1181660	68.89	ng	0.00
42) 2,4,6-Tribromophenol	10.41	330	562086	99.32	ng	0.00
45) 2-Fluorobiphenyl	8.95	172	2185830	69.18	ng	0.00
79) Terphenyl-d14	12.68	244	2291729	64.17	ng	0.00

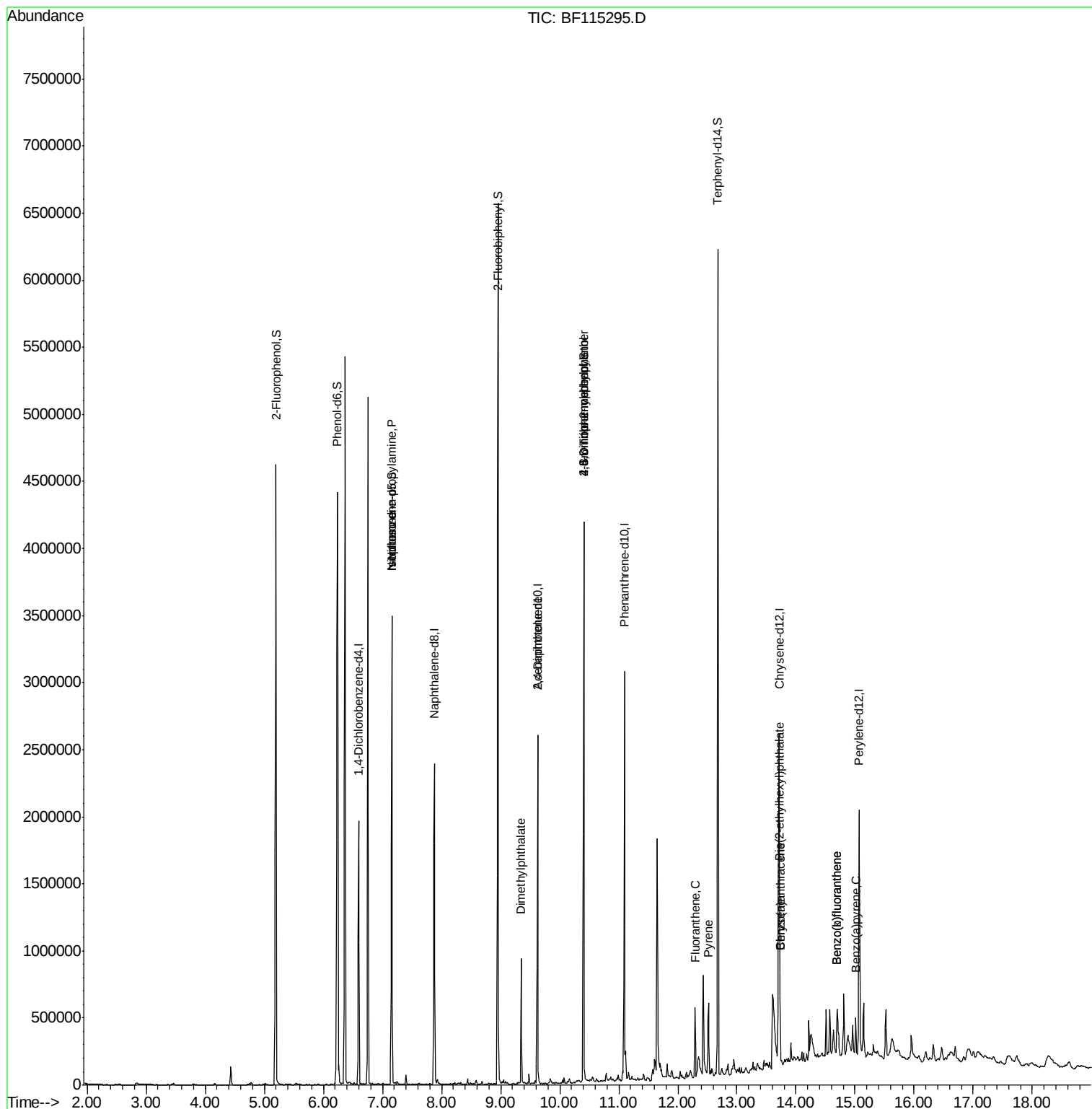
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
19) n-Nitroso-di-n-propylamine	7.16	70	156737	11.369	ng	# 77
25) Isophorone	7.16	82	1173789	33.406	ng	# 63
50) Dimethylphthalate	9.35	163	352483	8.927	ng	98
57) 2,4-Dinitrotoluene	9.62	165	70042	5.951	ng	# 30
58) Fluorene	10.16	166	3052	Below Cal		# 96
65) 4,6-Dinitro-2-methylphenol	10.41	198	1094	5.139	ng	# 1
67) 4-Bromophenyl-phenylether	10.41	248	36058	3.226	ng	# 1
75) Fluoranthene	12.30	202	206915	3.737	ng	95
78) Pyrene	12.52	202	188737	3.234	ng	98
81) Benzo(a)anthracene	13.74	228	127276	2.336	ng	96
83) Chrysene	13.74	228	127276	2.550	ng	99
84) Bis(2-ethylhexyl)phthalate	13.72	149	138988	4.119	ng	99
88) Benzo(b)fluoranthene	14.70	252	231294	4.872	ng	# 97
89) Benzo(k)fluoranthene	14.70	252	231294	5.433	ng	99
90) Benzo(a)pyrene	15.01	252	106787	2.496	ng	100

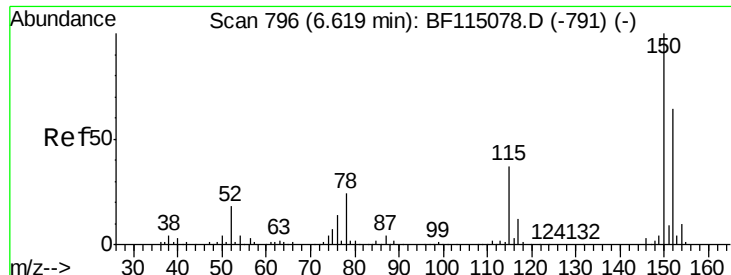
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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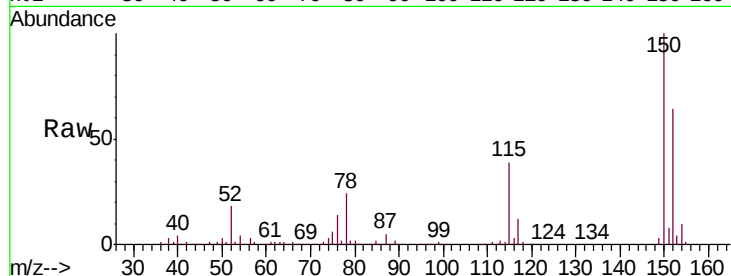


#1

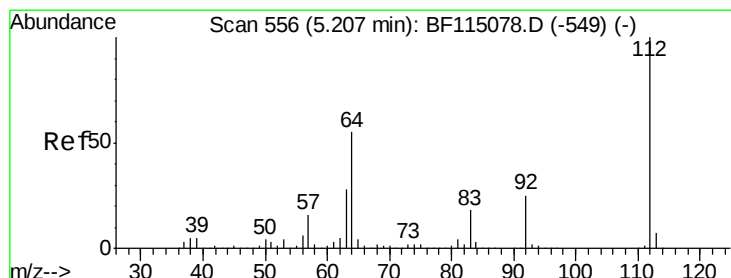
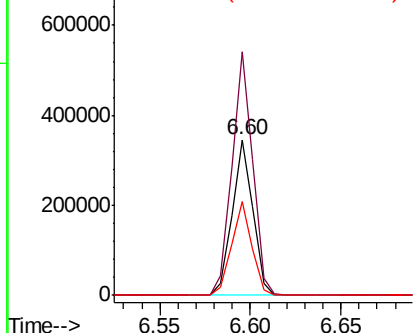
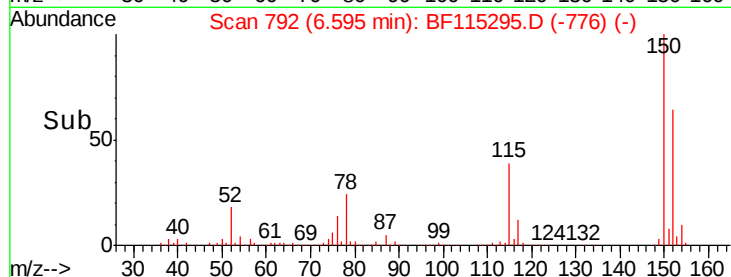
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.60 min Scan# 792
Delta R.T. -0.01 min
Lab File: BF115295.D
Acq: 28 Jun 2019 21:29

Instrument :
BNA_F
ClientSampleId :
SB-06-COMP

Tgt Ion:152 Resp: 273782
Ion Ratio Lower Upper
152 100
150 156.8 124.2 186.2
115 60.5 46.1 69.1



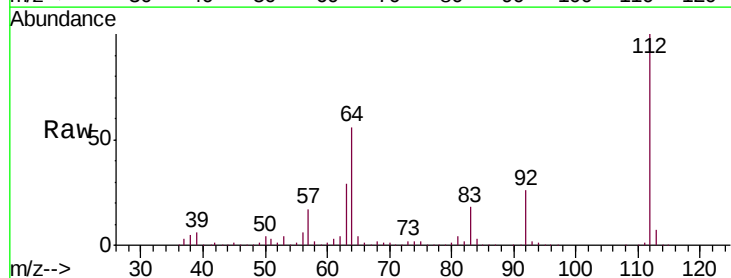
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



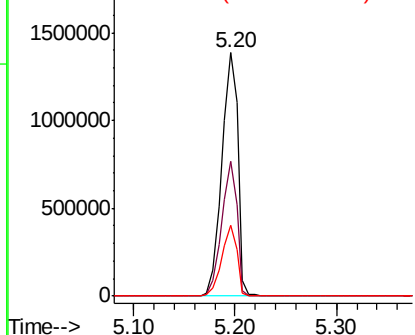
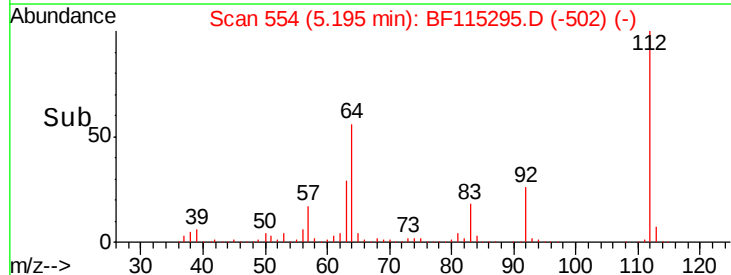
#5

2-Fluorophenol
Concen: 85.816 ng
RT: 5.20 min Scan# 554
Delta R.T. 0.01 min
Lab File: BF115295.D
Acq: 28 Jun 2019 21:29

Tgt Ion:112 Resp: 1522503
Ion Ratio Lower Upper
112 100
64 55.5 43.8 65.6
63 29.0 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: 90.060 ng

RT: 6.24 min Scan# 731

Delta R.T. 0.00 min

Lab File: BF115295.D

Acq: 28 Jun 2019 21:29

Instrument :

BNA_F

ClientSampleId :

SB-06-COMP

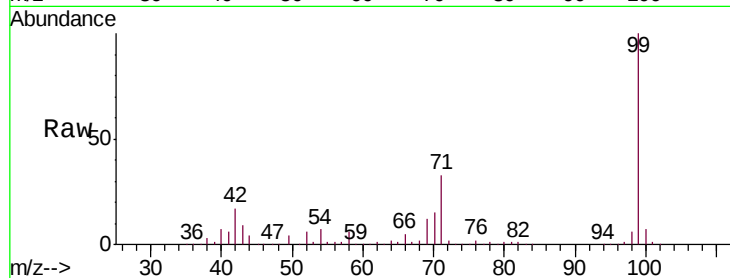
Tgt Ion: 99 Resp: 1939342

Ion Ratio Lower Upper

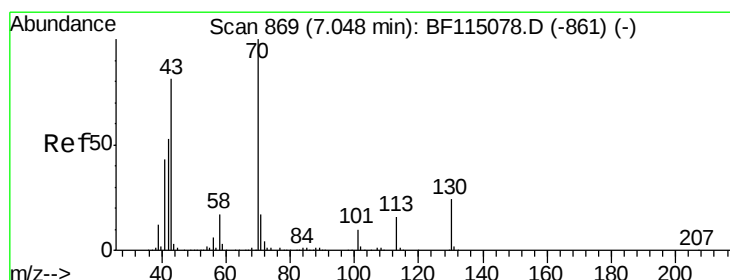
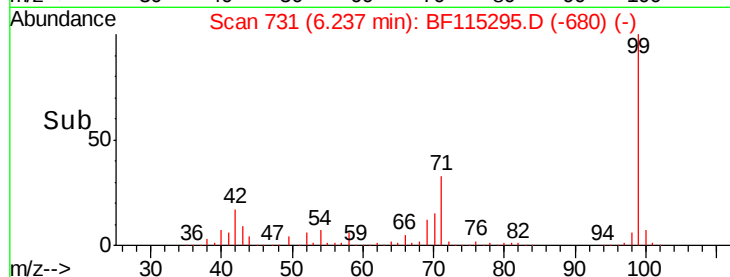
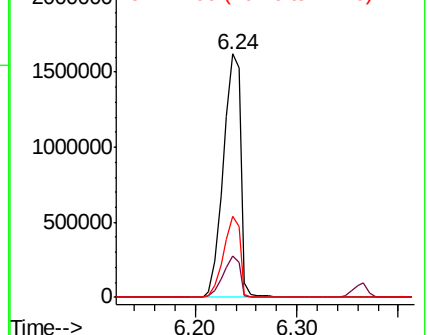
99 100

42 17.2 13.6 20.4

71 33.3 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: 11.369 ng

RT: 7.16 min Scan# 888

Delta R.T. 0.14 min

Lab File: BF115295.D

Acq: 28 Jun 2019 21:29

Tgt Ion: 70 Resp: 156737

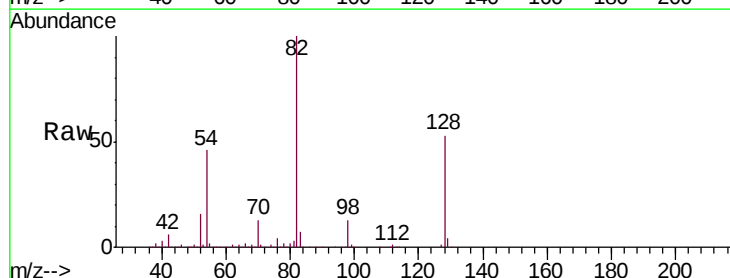
Ion Ratio Lower Upper

70 100

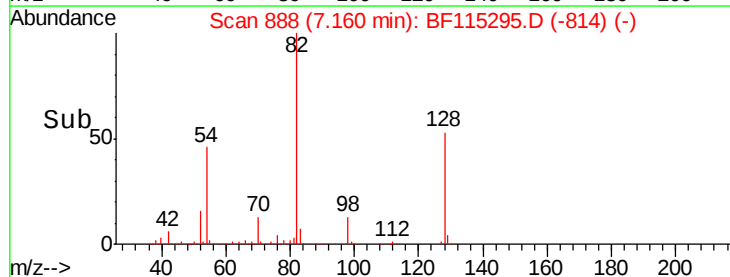
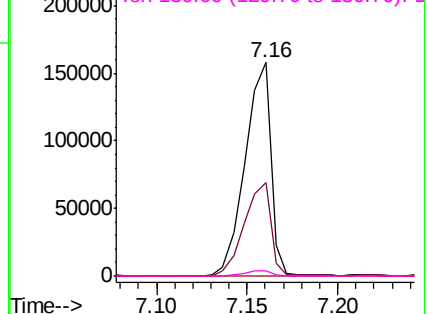
42 43.7 42.6 63.8

101 0.0 8.0 12.0#

130 2.3 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): B
Ion 130.00 (129.70 to 130.70): B

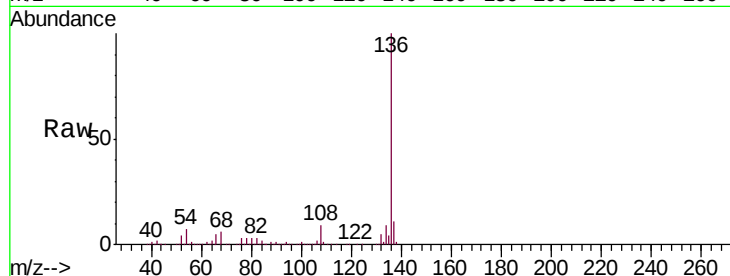




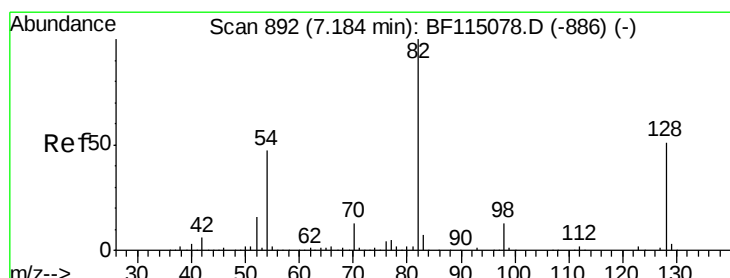
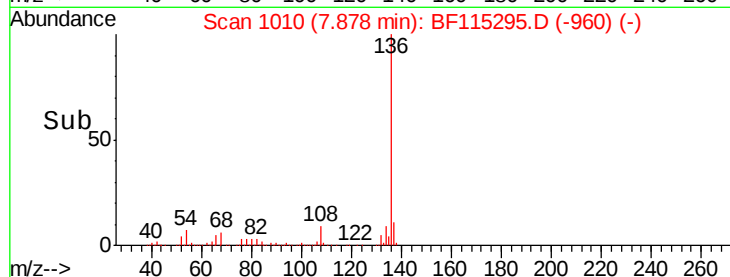
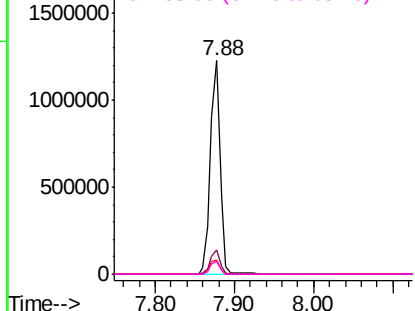
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 7.88 min Scan# 1010
Delta R.T. -0.01 min
Lab File: BF115295.D
Acq: 28 Jun 2019 21:29

Instrument :
BNA_F
ClientSampleId :
SB-06-COMP

Tgt Ion:	136	Resp:	1055137
Ion	Ratio	Lower	Upper
136	100		
137	11.3	8.9	13.3
54	6.8	5.6	8.4
68	5.9	4.8	7.2

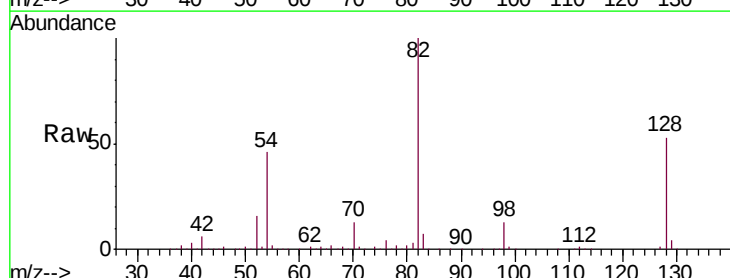


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF1
Ion 68.00 (67.70 to 68.70): BF1

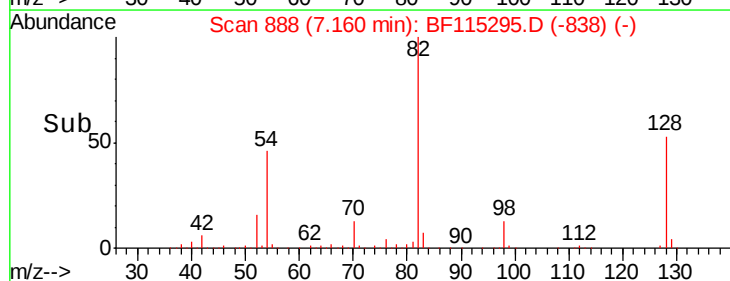
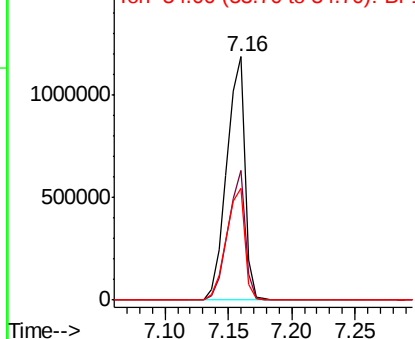


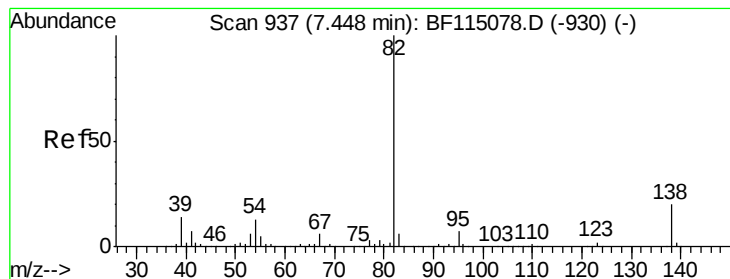
#23
Nitrobenzene-d5
Concen: 68.892 ng
RT: 7.16 min Scan# 888
Delta R.T. -0.01 min
Lab File: BF115295.D
Acq: 28 Jun 2019 21:29

Tgt Ion:	82	Resp:	1181660
Ion	Ratio	Lower	Upper
82	100		
128	53.4	40.4	60.6
54	46.1	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: 33.406 ng

RT: 7.16 min Scan# 888

Delta R.T. -0.26 min

Lab File: BF115295.D

Acq: 28 Jun 2019 21:29

Instrument :

BNA_F

ClientSampleId :

SB-06-COMP

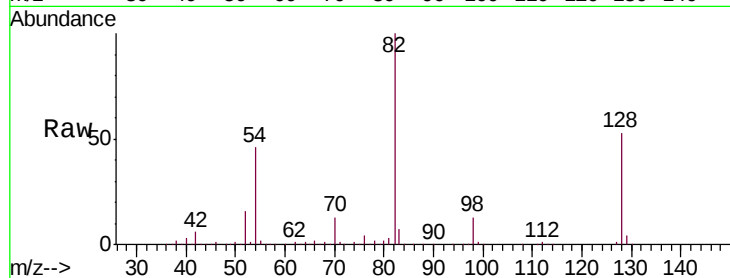
Tgt Ion: 82 Resp: 1173789

Ion Ratio Lower Upper

82 100

95 0.0 5.4 8.2#

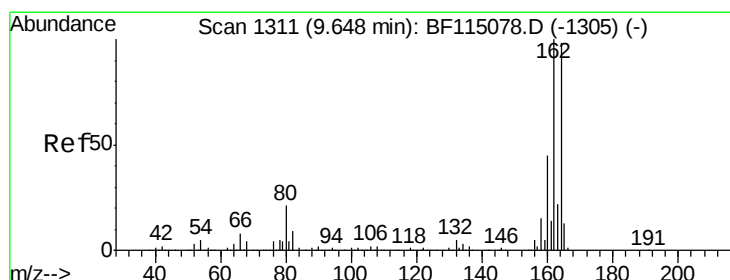
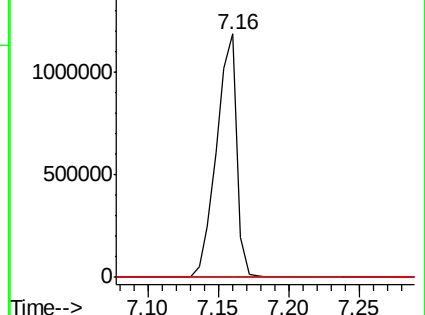
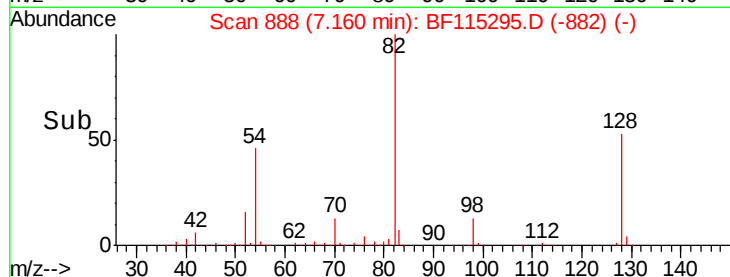
138 0.0 15.9 23.9#



Abundance Ion 82.00 (81.70 to 82.70): BF1

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: BF115295.D

Acq: 28 Jun 2019 21:29

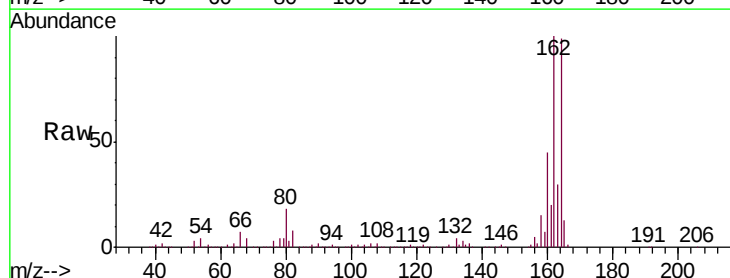
Tgt Ion: 164 Resp: 536691

Ion Ratio Lower Upper

164 100

162 101.1 81.7 122.5

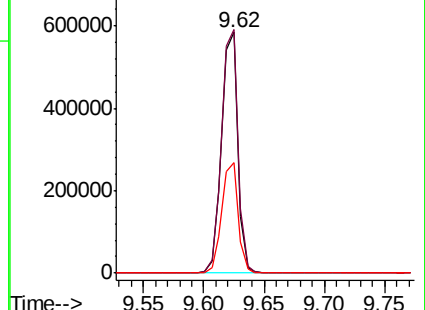
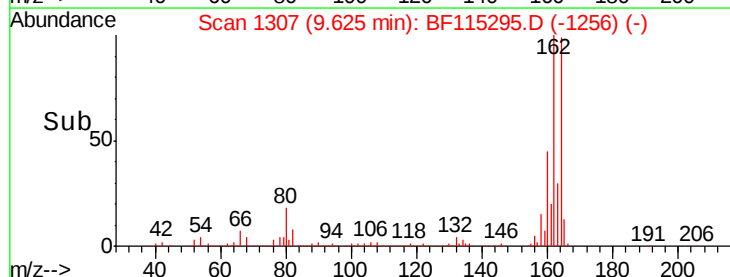
160 45.9 37.0 55.4



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

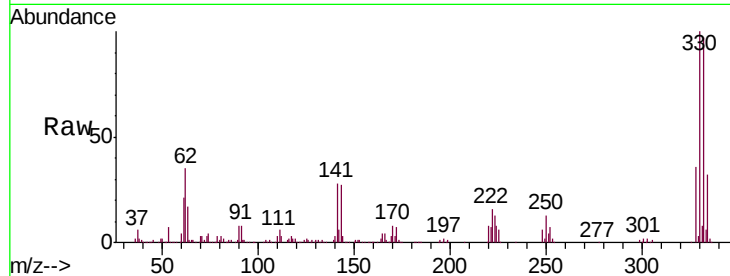




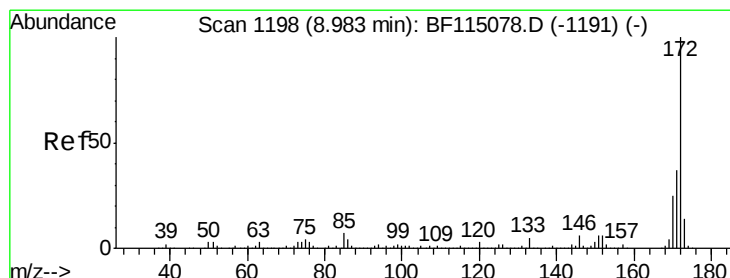
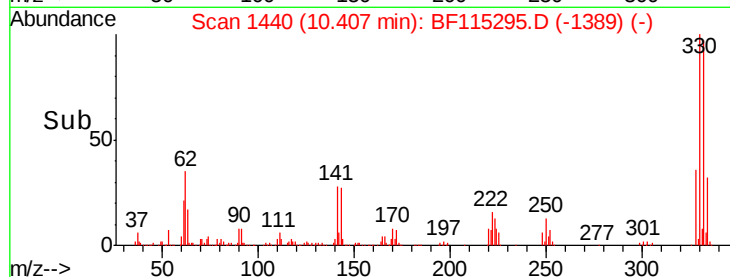
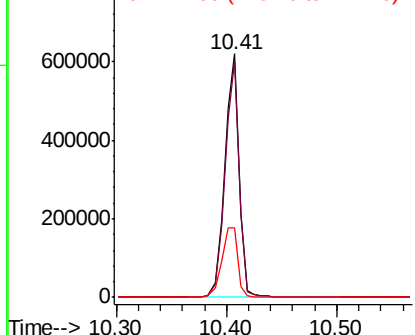
#42
 2,4,6-Tribromophenol
 Concen: 99.316 ng
 RT: 10.41 min Scan# 1440
 Delta R.T. 0.00 min
 Lab File: BF115295.D
 Acq: 28 Jun 2019 21:29

Instrument :
 BNA_F
 ClientSampleId :
 SB-06-COMP

Tgt Ion:330 Resp: 562086
 Ion Ratio Lower Upper
 330 100
 332 95.9 77.3 115.9
 141 32.2 28.2 42.2

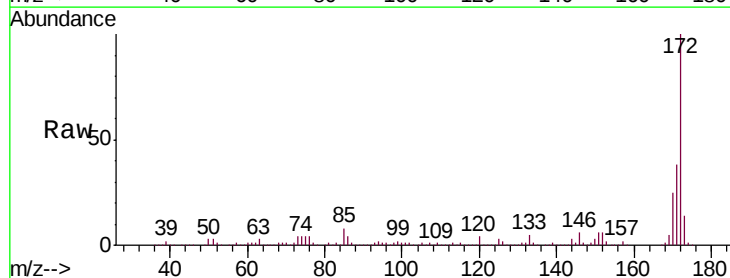


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

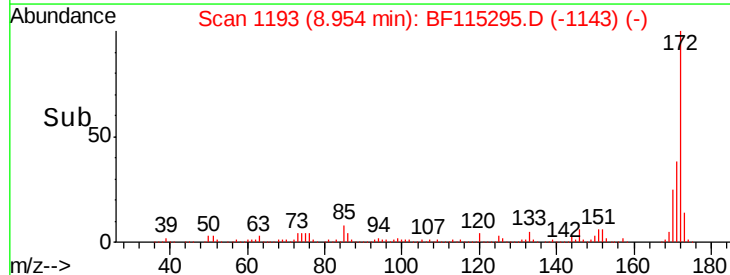
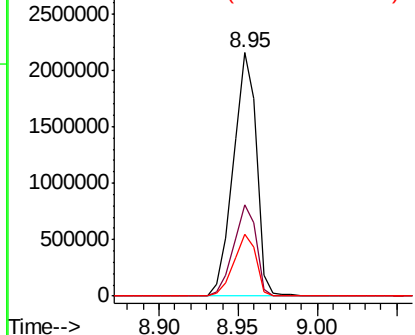


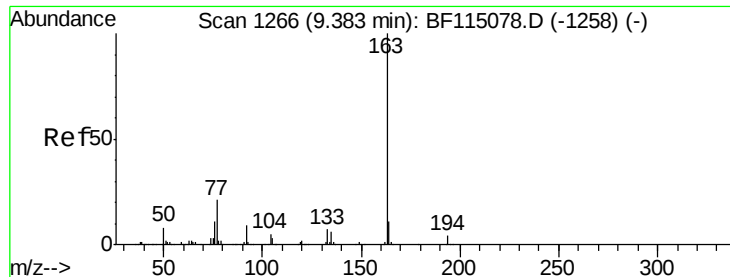
#45
 2-Fluorobiphenyl
 Concen: 69.181 ng
 RT: 8.95 min Scan# 1193
 Delta R.T. -0.01 min
 Lab File: BF115295.D
 Acq: 28 Jun 2019 21:29

Tgt Ion:172 Resp: 2185830
 Ion Ratio Lower Upper
 172 100
 171 37.7 29.8 44.6
 170 25.4 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: 8.927 ng

RT: 9.35 min Scan# 1260

Delta R.T. -0.01 min

Lab File: BF115295.D

Acq: 28 Jun 2019 21:29

Instrument :

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ClientSampleId :

SB-06-COMP

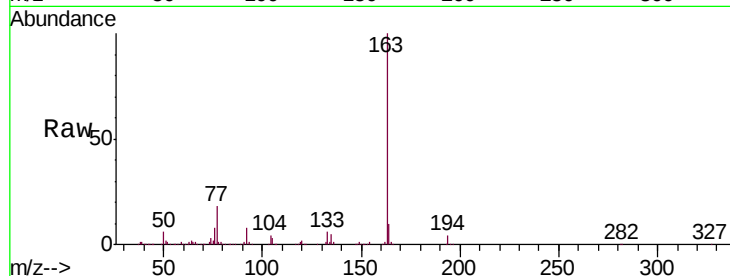
Tgt Ion:163 Resp: 352483

Ion Ratio Lower Upper

163 100

194 3.8 3.2 4.8

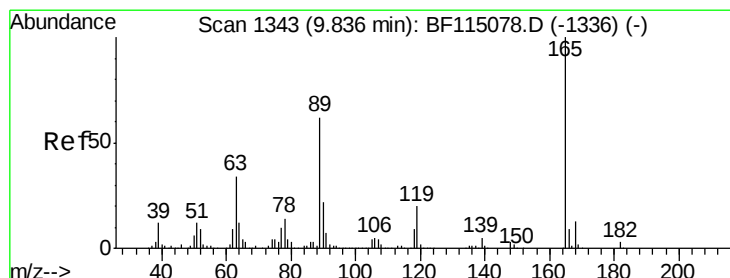
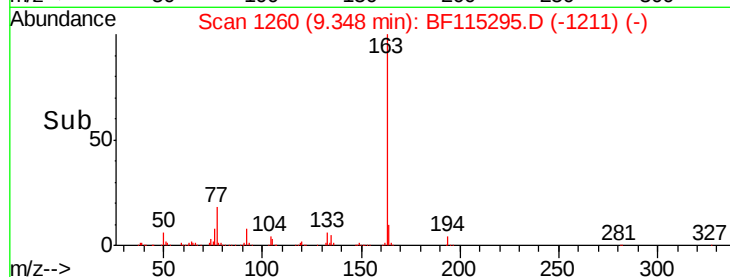
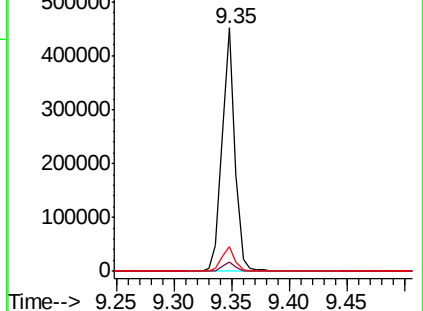
164 10.0 8.6 13.0



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: 5.951 ng

RT: 9.62 min Scan# 1307

Delta R.T. -0.19 min

Lab File: BF115295.D

Acq: 28 Jun 2019 21:29

Tgt Ion:165 Resp: 70042

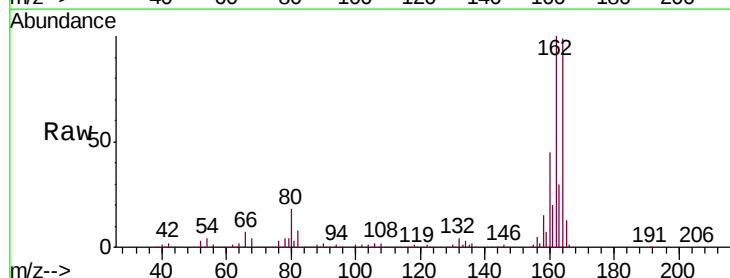
Ion Ratio Lower Upper

165 100

63 1.2 27.5 41.3#

89 1.4 49.9 74.9#

182 0.0 2.1 3.1#

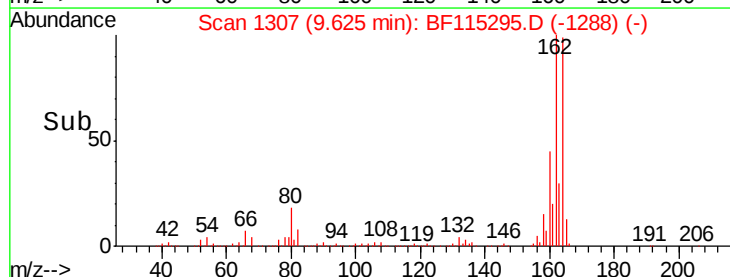
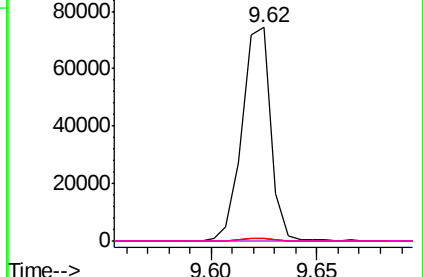


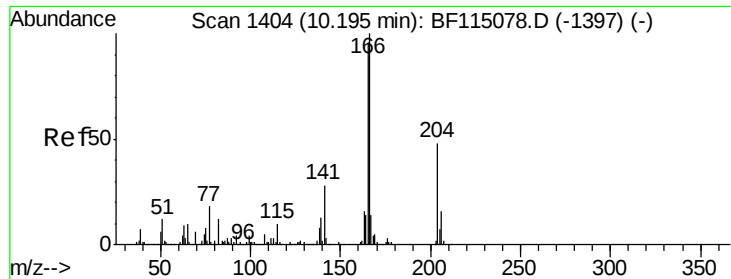
Abundance Ion 165.00 (164.70 to 165.70): E

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: 10.16 min Scan# 1398

Delta R.T. -0.01 min

Lab File: BF115295.D

Acq: 28 Jun 2019 21:29

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SB-06-COMP

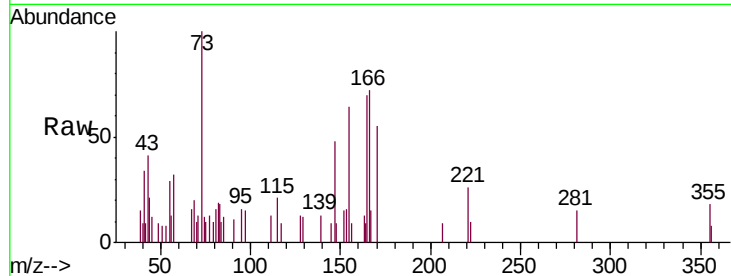
Tgt Ion:166 Resp: 3052

Ion Ratio Lower Upper

166 100

165 98.0 76.5 114.7

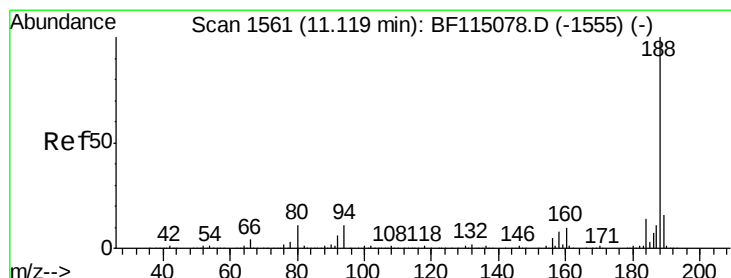
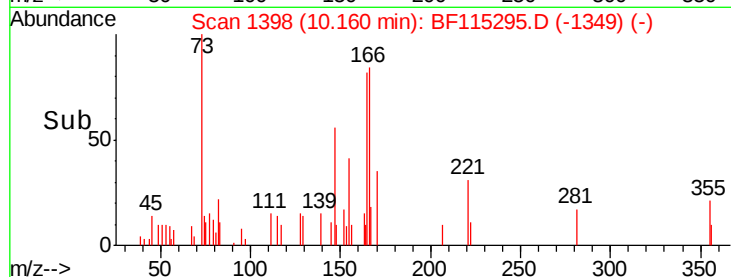
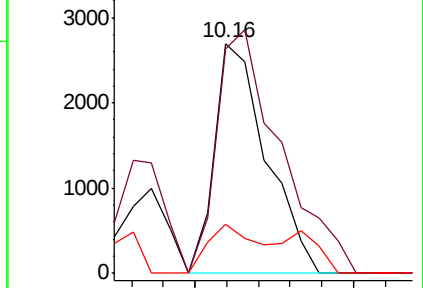
167 21.3 11.0 16.4#



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: BF115295.D

Acq: 28 Jun 2019 21:29

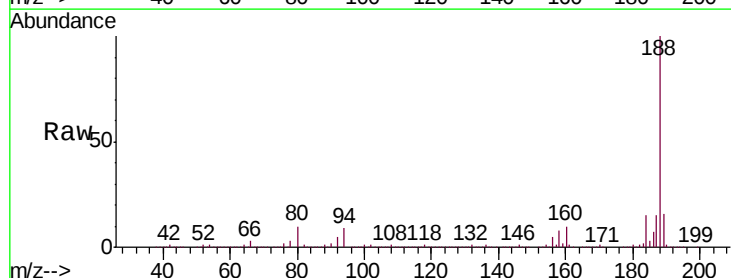
Tgt Ion:188 Resp: 1030829

Ion Ratio Lower Upper

188 100

94 9.2 8.6 12.8

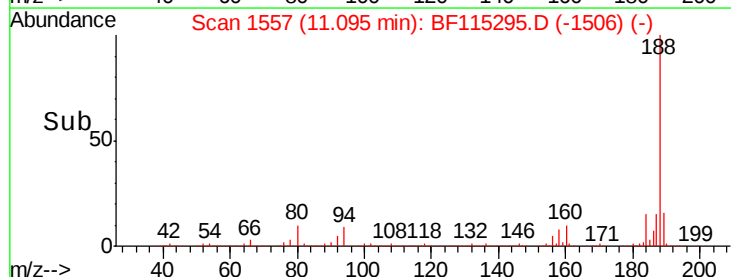
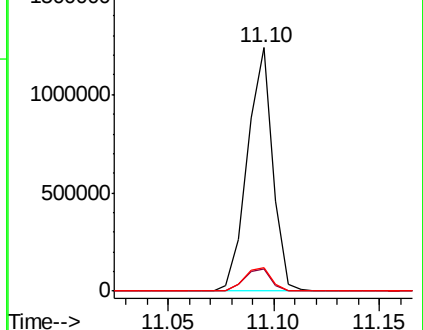
80 9.8 8.8 13.2

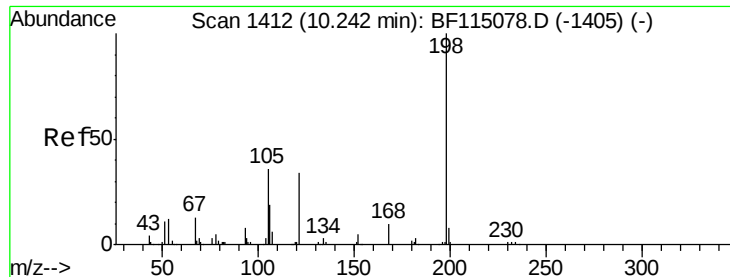


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF1

Ion 80.00 (79.70 to 80.70): BF1

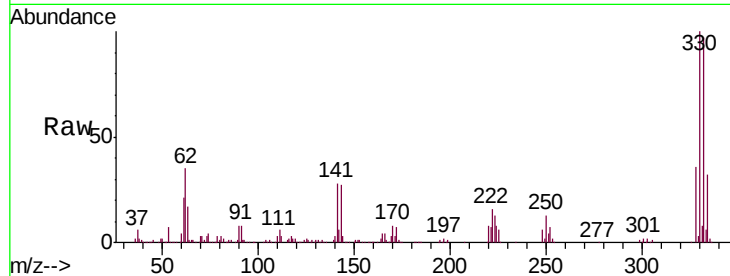




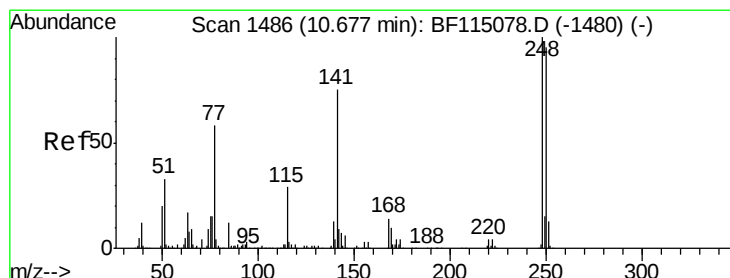
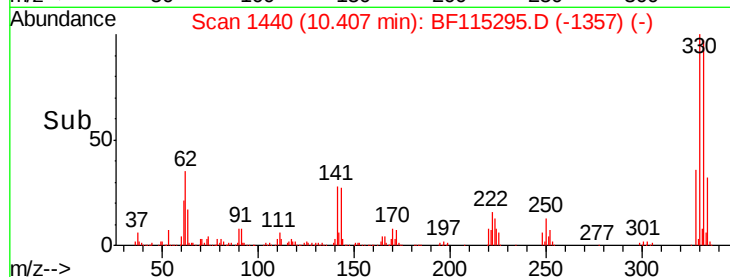
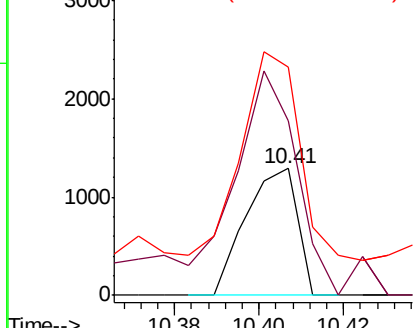
#65
 4,6-Dinitro-2-methylphenol
 Concen: 5.139 ng
 RT: 10.41 min Scan# 1440
 Delta R.T. 0.19 min
 Lab File: BF115295.D
 Acq: 28 Jun 2019 21:29

Instrument :
 BNA_F
 ClientSampleId :
 SB-06-COMP

Tgt Ion:198 Resp: 1094
 Ion Ratio Lower Upper
 198 100
 51 137.5 11.0 51.0#
 105 179.8 17.3 57.3#

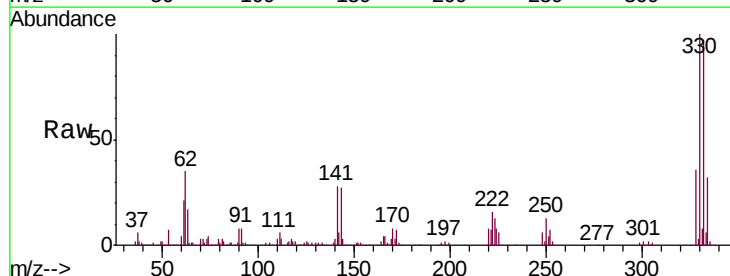


Abundance Ion 198.00 (197.70 to 198.70): E
 Ion 51.00 (50.70 to 51.70): BF1
 Ion 105.00 (104.70 to 105.70): E

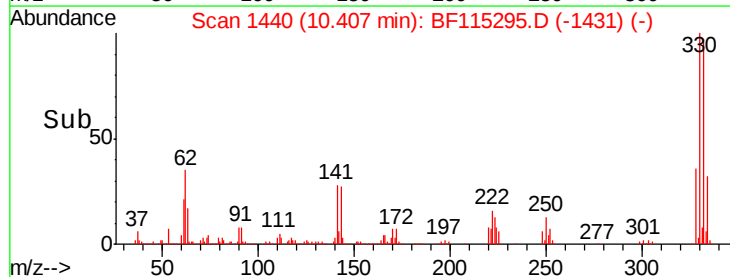
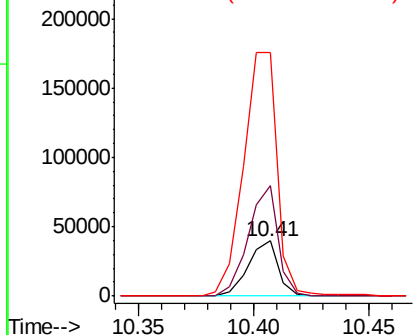


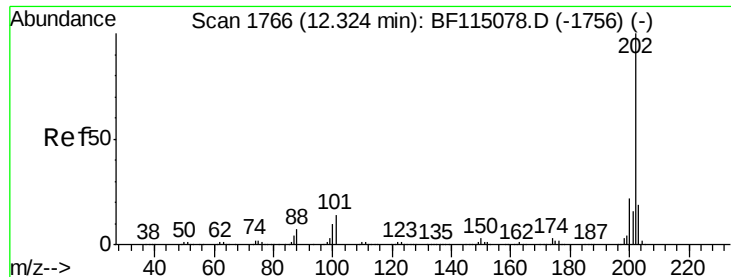
#67
 4-Bromophenyl-phenylether
 Concen: 3.226 ng
 RT: 10.41 min Scan# 1440
 Delta R.T. -0.25 min
 Lab File: BF115295.D
 Acq: 28 Jun 2019 21:29

Tgt Ion:248 Resp: 36058
 Ion Ratio Lower Upper
 248 100
 250 200.5 76.2 114.2#
 141 443.2 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: 3.737 ng

RT: 12.30 min Scan# 1761

Delta R.T. -0.01 min

Lab File: BF115295.D

Acq: 28 Jun 2019 21:29

Instrument :

BNA_F

ClientSampleId :

SB-06-COMP

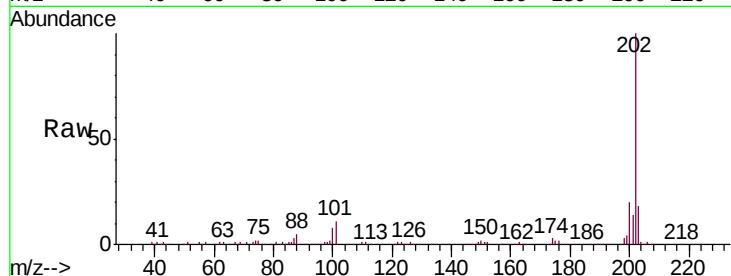
Tgt Ion: 202 Resp: 206915

Ion Ratio Lower Upper

202 100

101 11.2 0.0 34.0

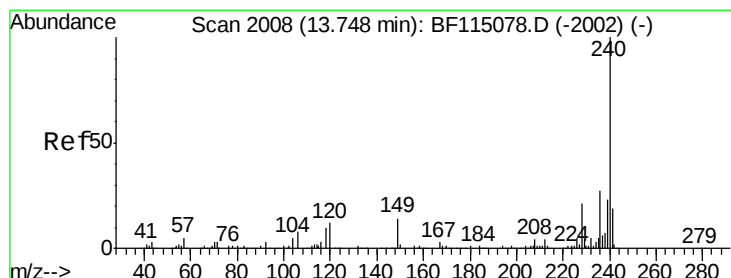
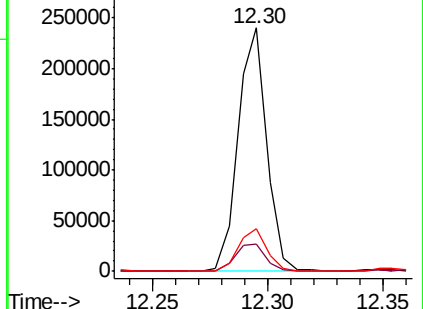
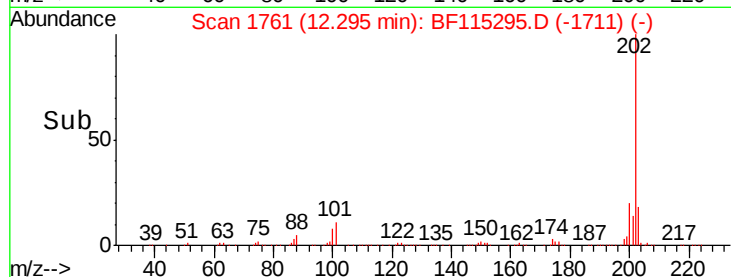
203 17.6 0.0 38.8



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: BF115295.D

Acq: 28 Jun 2019 21:29

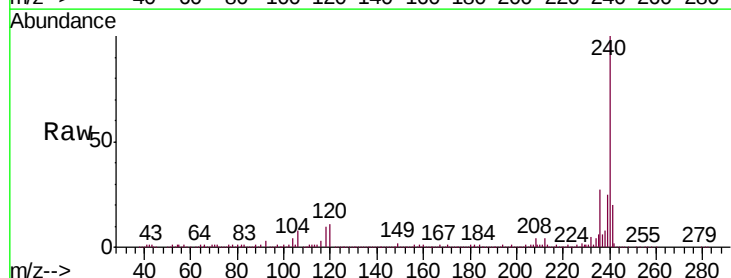
Tgt Ion: 240 Resp: 759323

Ion Ratio Lower Upper

240 100

120 11.2 9.4 14.2

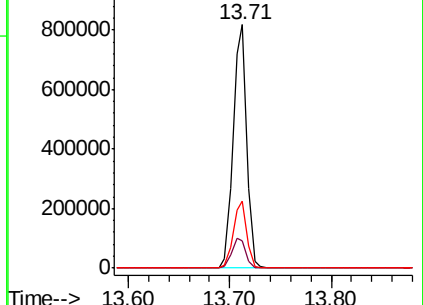
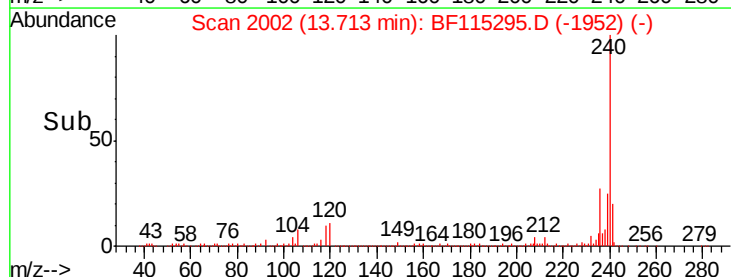
236 27.3 21.7 32.5

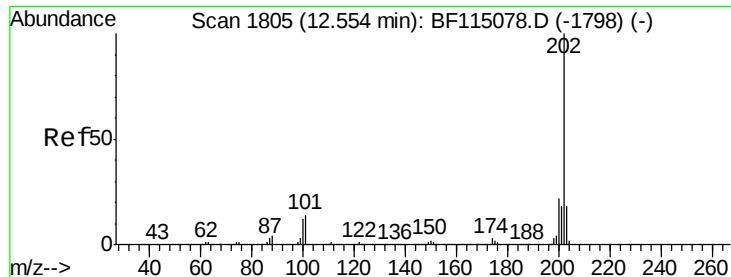


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#78

Pyrene

Concen: 3.234 ng

RT: 12.52 min Scan# 1799

Delta R.T. -0.01 min

Lab File: BF115295.D

Acq: 28 Jun 2019 21:29

Instrument :

BNA_F

ClientSampleId :

SB-06-COMP

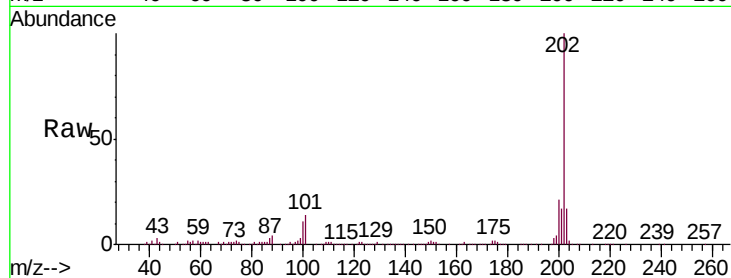
Tgt Ion: 202 Resp: 188737

Ion Ratio Lower Upper

202 100

200 21.5 17.9 26.9

203 17.5 14.6 21.8

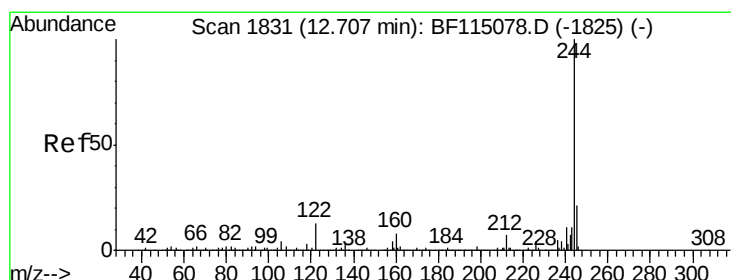
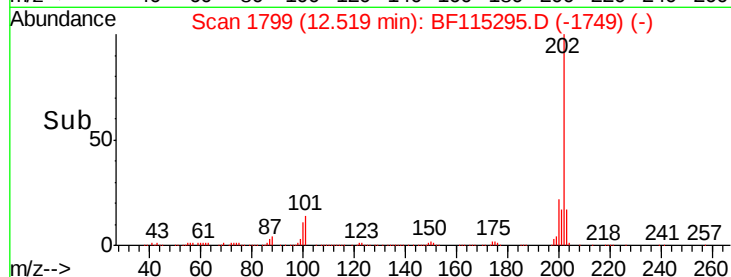
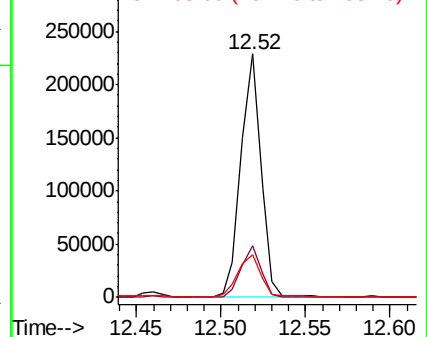


Abundance

Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E



#79

Terphenyl-d14

Concen: 64.170 ng

RT: 12.68 min Scan# 1826

Delta R.T. -0.01 min

Lab File: BF115295.D

Acq: 28 Jun 2019 21:29

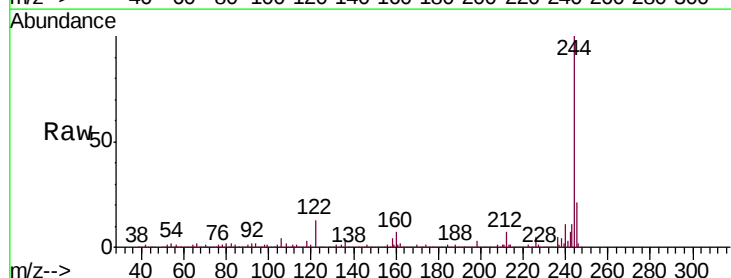
Tgt Ion: 244 Resp: 2291729

Ion Ratio Lower Upper

244 100

212 7.3 5.8 8.6

122 12.5 10.4 15.6

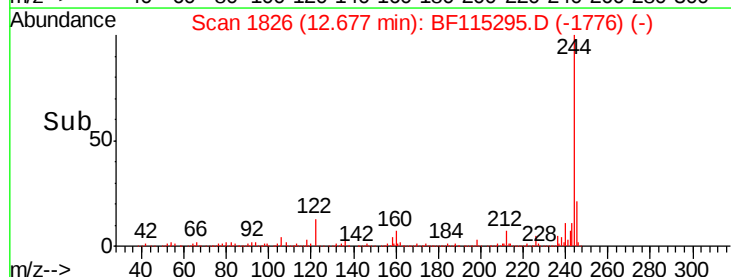
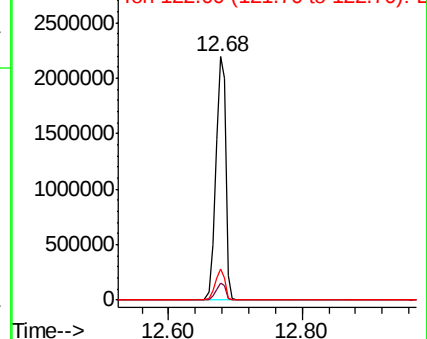


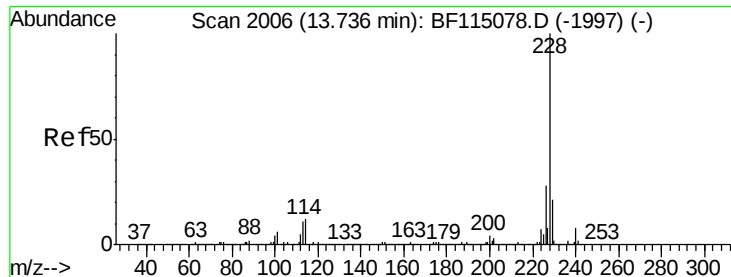
Abundance

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: 2.336 ng

RT: 13.74 min Scan# 2006

Delta R.T. 0.03 min

Lab File: BF115295.D

Acq: 28 Jun 2019 21:29

Instrument :

BNA_F

ClientSampleId :

SB-06-COMP

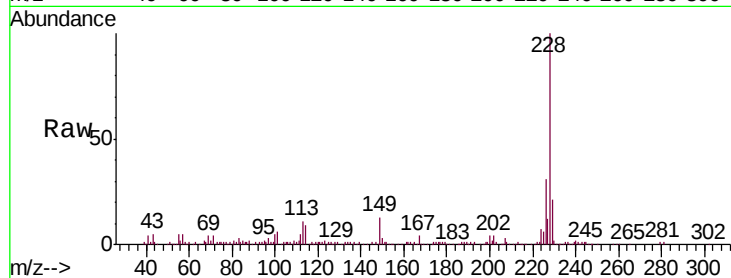
Tgt Ion:228 Resp: 127276

Ion Ratio Lower Upper

228 100

226 31.2 22.5 33.7

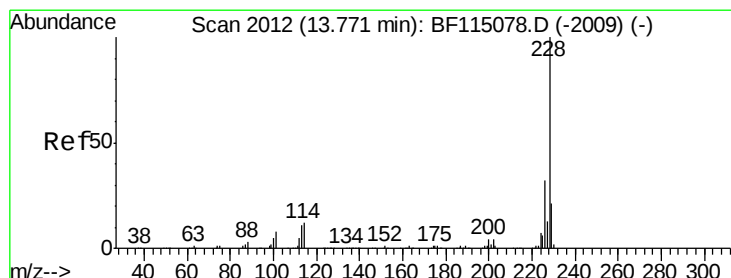
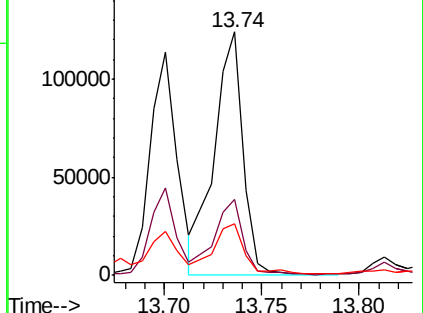
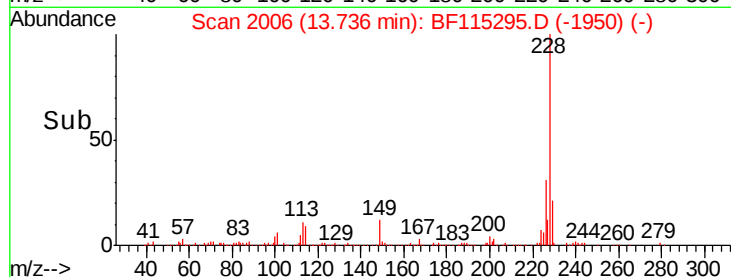
229 21.3 16.6 24.8



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



#83

Chrysene

Concen: 2.550 ng

RT: 13.74 min Scan# 2006

Delta R.T. -0.01 min

Lab File: BF115295.D

Acq: 28 Jun 2019 21:29

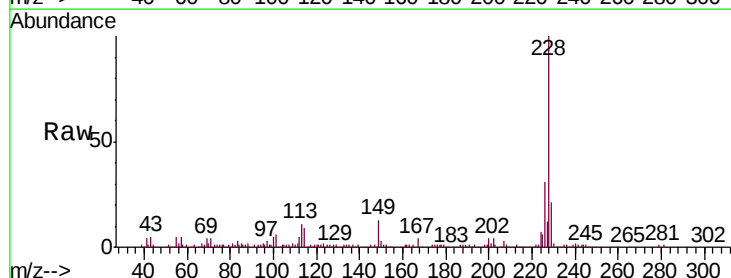
Tgt Ion:228 Resp: 127276

Ion Ratio Lower Upper

228 100

226 31.2 25.4 38.0

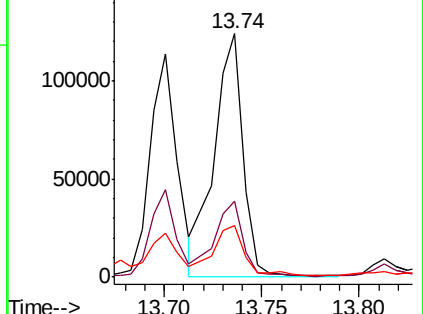
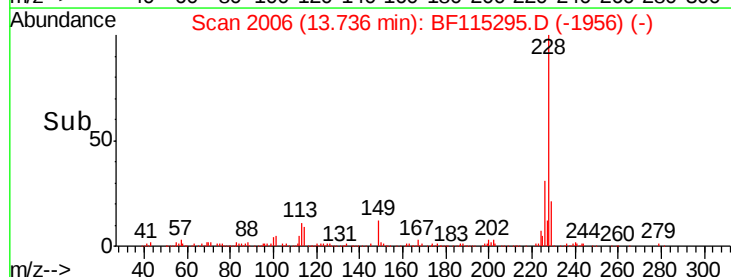
229 21.3 16.5 24.7

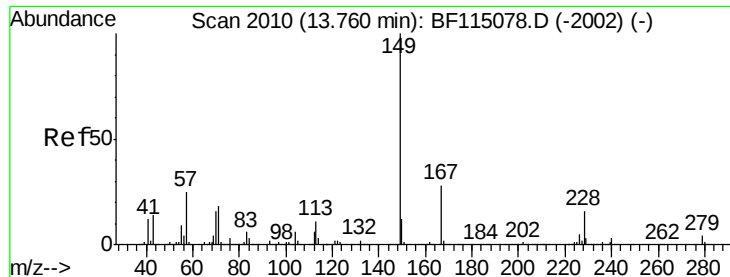


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#84

Bis(2-ethylhexyl)phthalate

Concen: 4.119 ng

RT: 13.72 min Scan# 2004

Delta R.T. -0.01 min

Lab File: BF115295.D

Acq: 28 Jun 2019 21:29

Instrument :

BNA_F

ClientSampleId :

SB-06-COMP

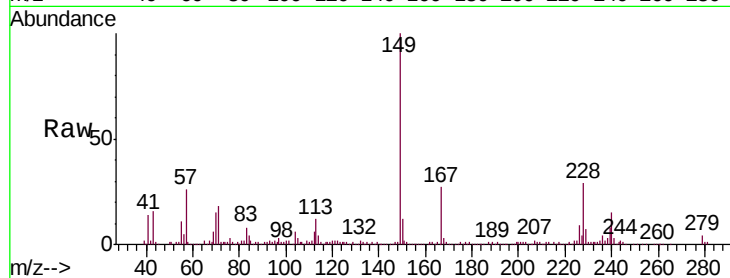
Tgt Ion:149 Resp: 138988

Ion Ratio Lower Upper

149 100

167 27.1 22.2 33.4

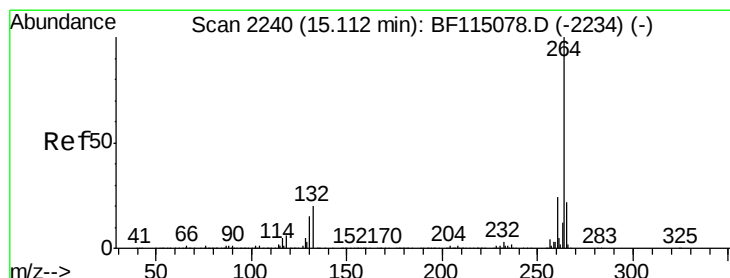
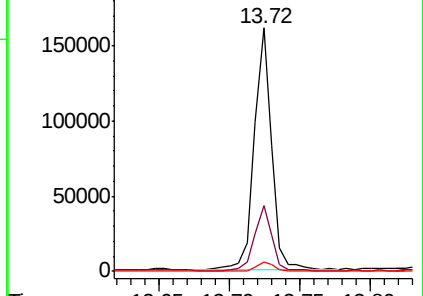
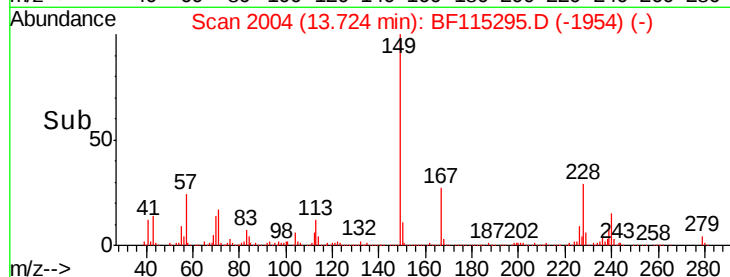
279 4.1 2.9 4.3



Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E



#87

Perylene-d12

Concen: 20.000 ng

RT: 15.07 min Scan# 2233

Delta R.T. -0.01 min

Lab File: BF115295.D

Acq: 28 Jun 2019 21:29

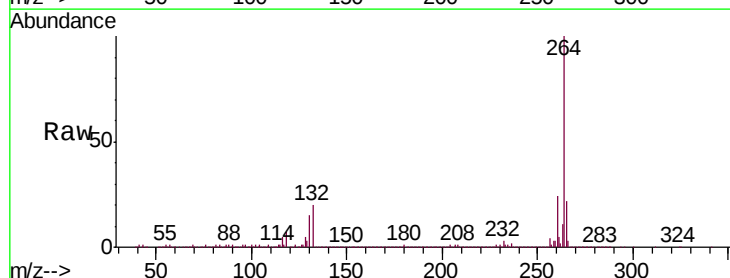
Tgt Ion:264 Resp: 760770

Ion Ratio Lower Upper

264 100

260 24.3 19.6 29.4

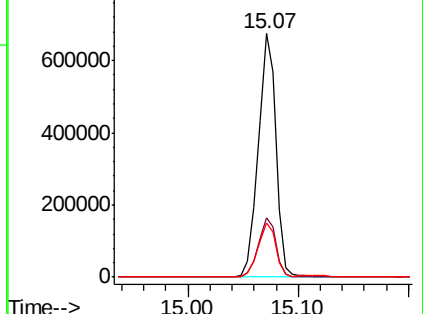
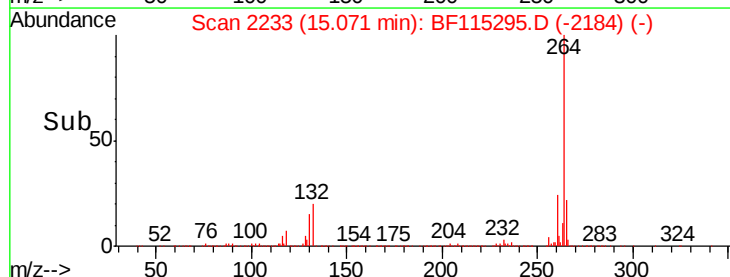
265 22.4 17.3 25.9

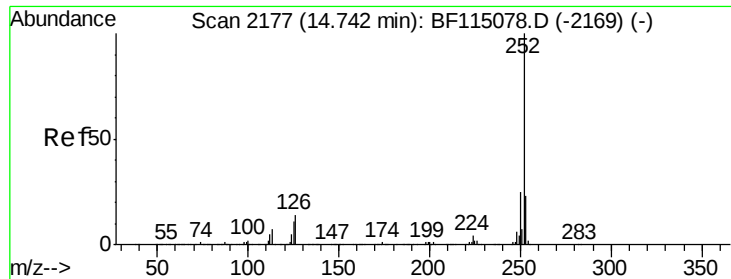


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E

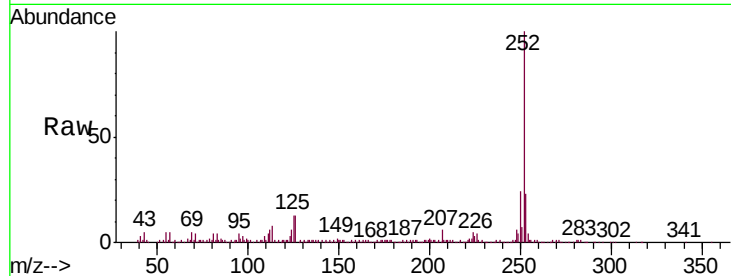




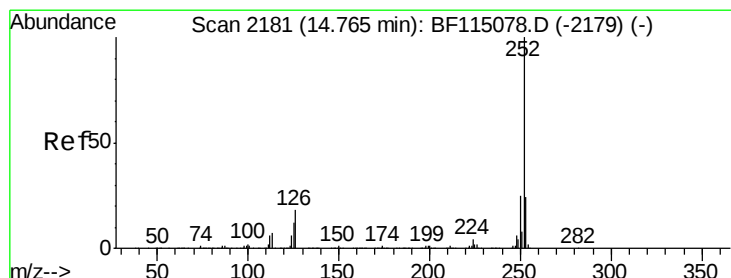
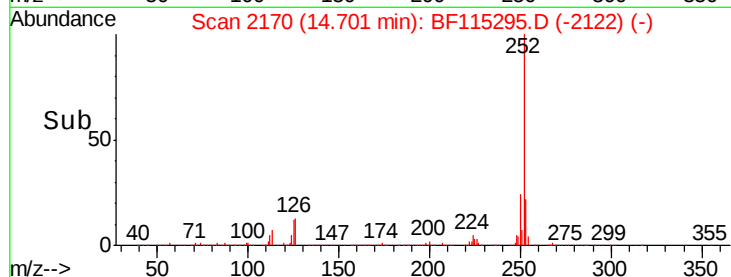
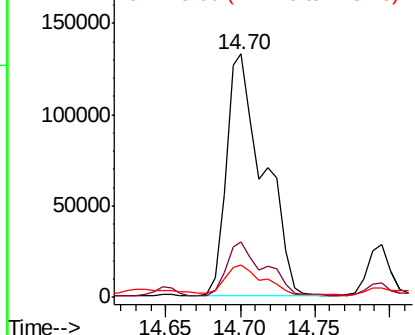
#88
Benzo(b)fluoranthene
Concen: 4.872 ng
RT: 14.70 min Scan# 2170
Delta R.T. -0.02 min
Lab File: BF115295.D
Acq: 28 Jun 2019 21:29

Instrument :
BNA_F
ClientSampleId :
SB-06-COMP

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.0	18.1	27.1
125	13.3	8.7	13.1#

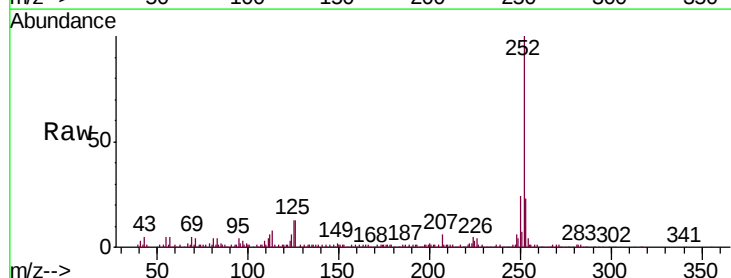


Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E

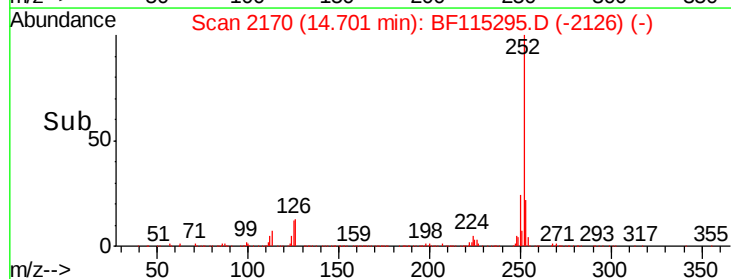
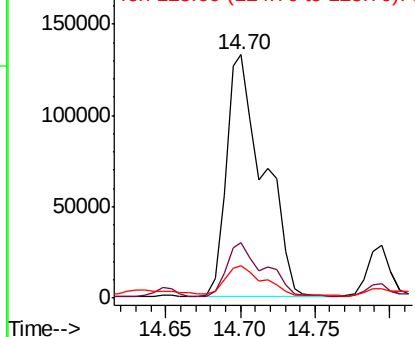


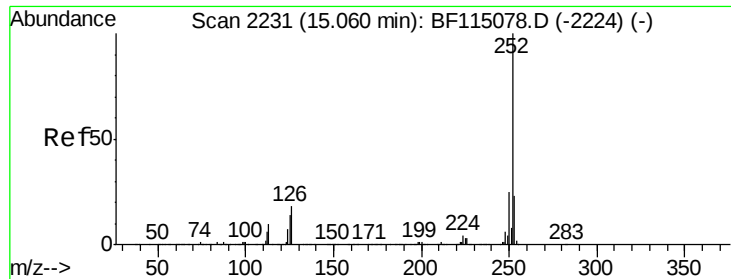
#89
Benzo(k)fluoranthene
Concen: 5.433 ng
RT: 14.70 min Scan# 2170
Delta R.T. -0.04 min
Lab File: BF115295.D
Acq: 28 Jun 2019 21:29

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.0	18.9	28.3
125	13.3	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: 2.496 ng

RT: 15.01 min Scan# 2223

Delta R.T. -0.02 min

Lab File: BF115295.D

Acq: 28 Jun 2019 21:29

Instrument :

BNA_F

ClientSampleId :

SB-06-COMP

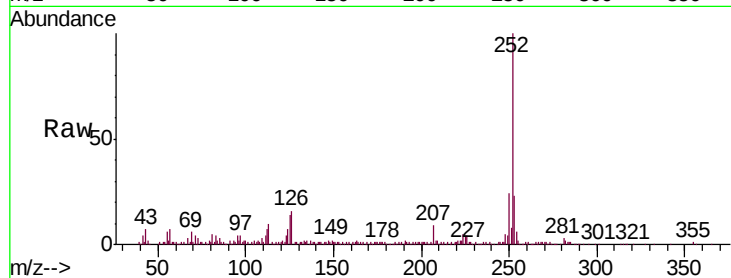
Tgt Ion: 252 Resp: 106787

Ion Ratio Lower Upper

252 100

253 23.2 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

