

Data File : BF115264.D
Acq On : 28 Jun 2019 4:55
Operator : HP/JU
Sample : K3157-19 2X
Misc :
ALS Vial : 25 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
CL-02-062619-E

Quant Time: Jun 28 08:01:19 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	223444	20.00	ng	0.00
21) Naphthalene-d8	7.88	136	875760	20.00	ng	0.00
39) Acenaphthene-d10	9.62	164	435473	20.00	ng	0.00
64) Phenanthrene-d10	11.10	188	868241	20.00	ng	0.00
76) Chrysene-d12	13.72	240	616507	20.00	ng	0.00
87) Perylene-d12	15.08	264	441865	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.19	112	607646	41.97	ng	0.00
7) Phenol-d6	6.24	99	778796	44.31	ng	0.00
23) Nitrobenzene-d5	7.16	82	434048	30.49	ng	0.00
42) 2,4,6-Tribromophenol	10.41	330	227002	49.43	ng	0.00
45) 2-Fluorobiphenyl	8.95	172	904553	35.28	ng	0.00
79) Terphenyl-d14	12.68	244	1040064	35.87	ng	0.00

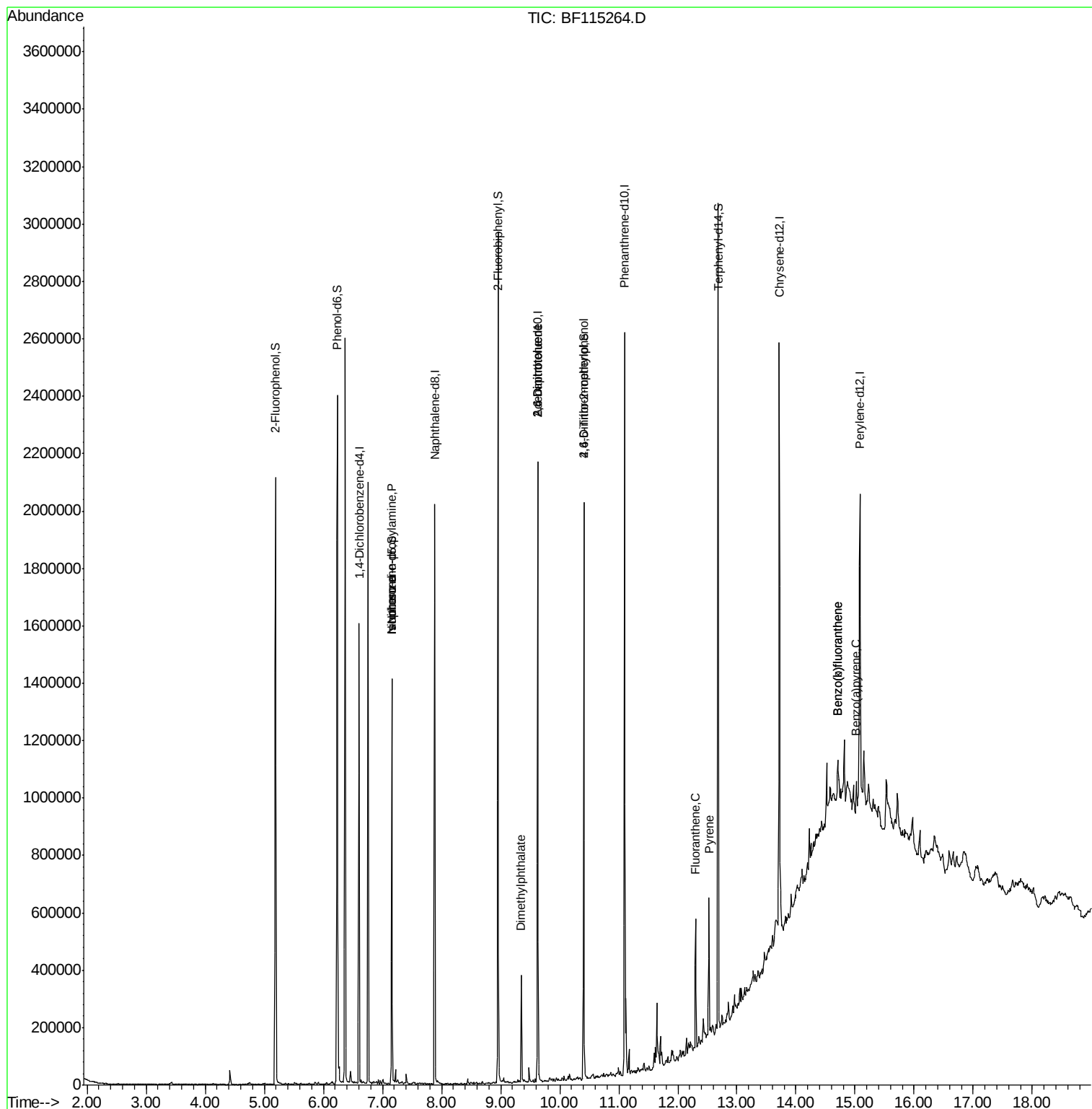
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
19) n-Nitroso-di-n-propylamine	7.16	70	56616	5.032	ng	# 75
25) Isophorone	7.16	82	429052	14.712	ng	# 63
50) Dimethylphthalate	9.35	163	144674	4.516	ng	# 99
51) 2,6-Dinitrotoluene	9.62	165	56393	7.624	ng	# 28
57) 2,4-Dinitrotoluene	9.62	165	56393	5.905	ng	# 30
58) Fluorene	10.17	166	6671	Below Cal		# 93
65) 4,6-Dinitro-2-methylphenol	10.41	198	414	5.040	ng	# 1
75) Fluoranthene	12.30	202	166838	3.577	ng	# 95
78) Pyrene	12.52	202	179283	3.784	ng	# 98
88) Benzo(b)fluoranthene	14.71	252	95235	3.454	ng	# 79
89) Benzo(k)fluoranthene	14.71	252	95235	3.852	ng	# 82
90) Benzo(a)pyrene	15.02	252	50585	2.036	ng	# 85

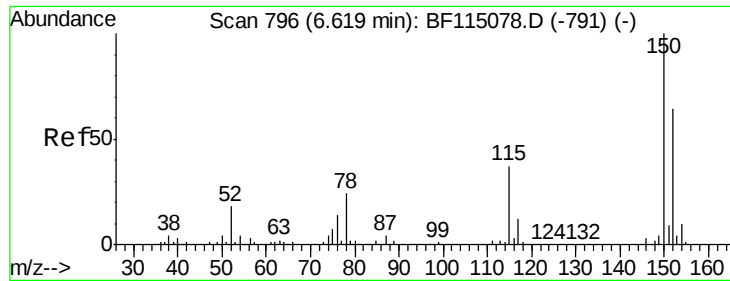
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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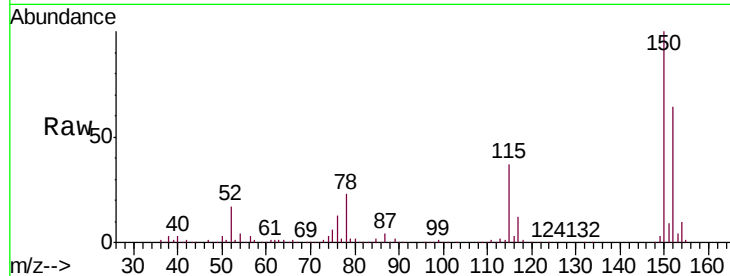


#1

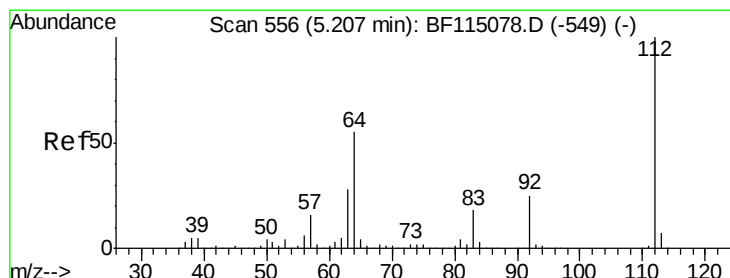
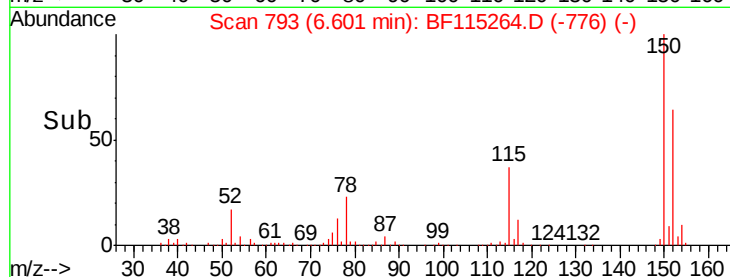
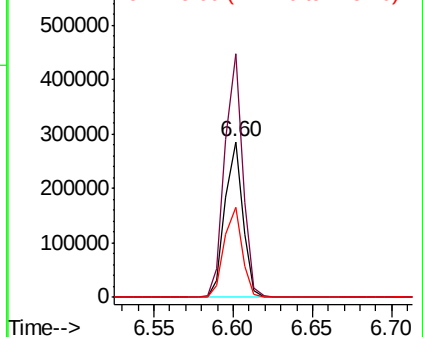
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.60 min Scan# 793
Delta R.T. 0.00 min
Lab File: BF115264.D
Acq: 28 Jun 2019 4:55

Instrument :
BNA_F
ClientSampleId :
CL-02-062619-E

Tgt Ion:152 Resp: 223444
Ion Ratio Lower Upper
152 100
150 156.4 124.2 186.2
115 57.7 46.1 69.1



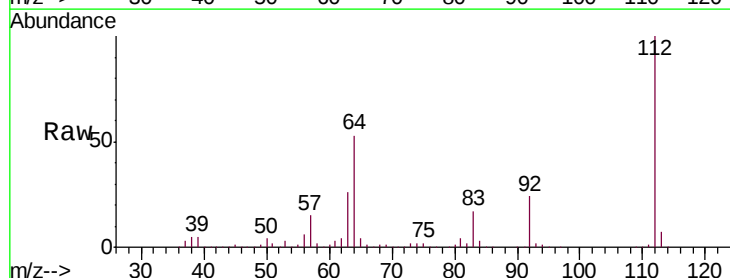
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



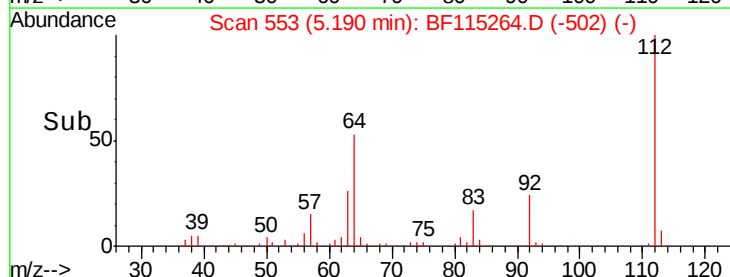
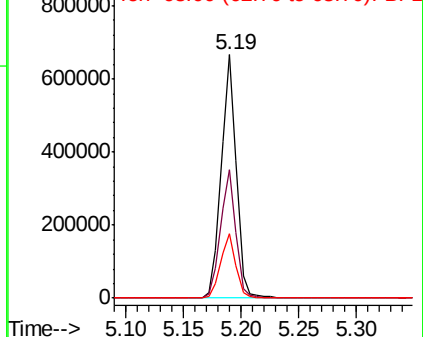
#5

2-Fluorophenol
Concen: 41.966 ng
RT: 5.19 min Scan# 553
Delta R.T. 0.00 min
Lab File: BF115264.D
Acq: 28 Jun 2019 4:55

Tgt Ion:112 Resp: 607646
Ion Ratio Lower Upper
112 100
64 52.8 43.8 65.6
63 26.3 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: 44.314 ng

RT: 6.24 min Scan# 731

Delta R.T. 0.00 min

Lab File: BF115264.D

Acq: 28 Jun 2019 4:55

Instrument :

BNA_F

ClientSampleId :

CL-02-062619-E

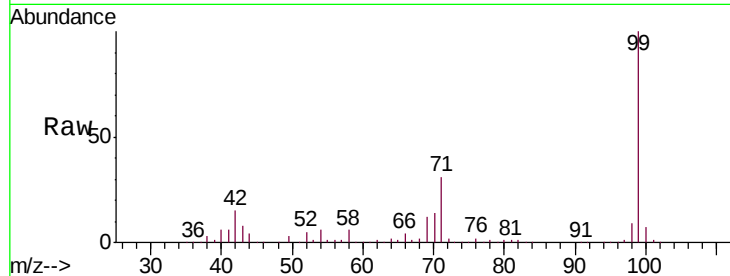
Tgt Ion: 99 Resp: 778796

Ion Ratio Lower Upper

99 100

42 15.5 13.6 20.4

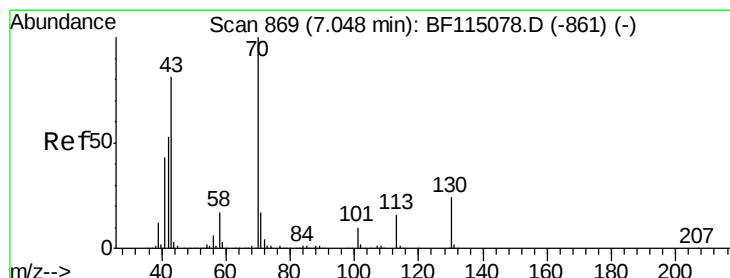
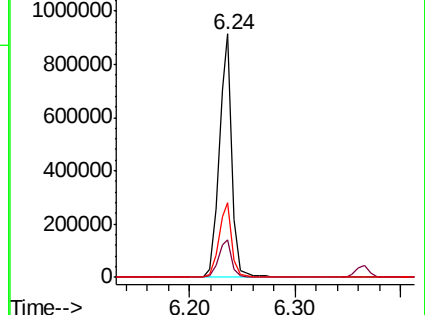
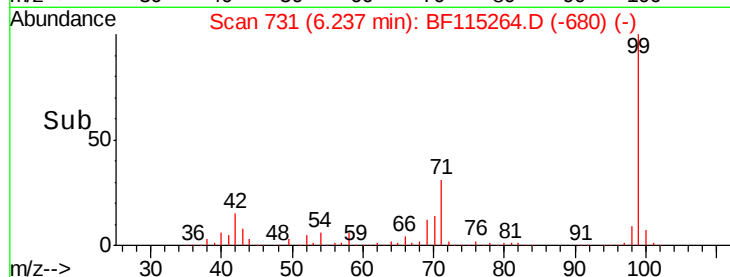
71 30.8 25.5 38.3



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: 5.032 ng

RT: 7.16 min Scan# 888

Delta R.T. 0.14 min

Lab File: BF115264.D

Acq: 28 Jun 2019 4:55

Tgt Ion: 70 Resp: 56616

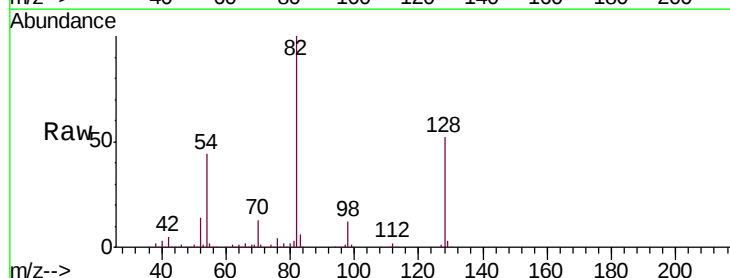
Ion Ratio Lower Upper

70 100

42 41.8 42.6 63.8#

101 0.0 8.0 12.0#

130 2.7 19.4 29.0#

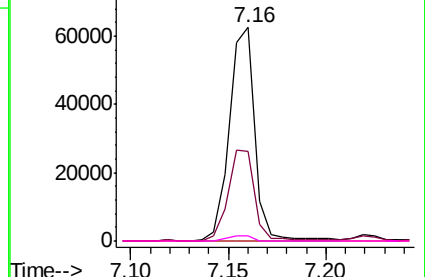
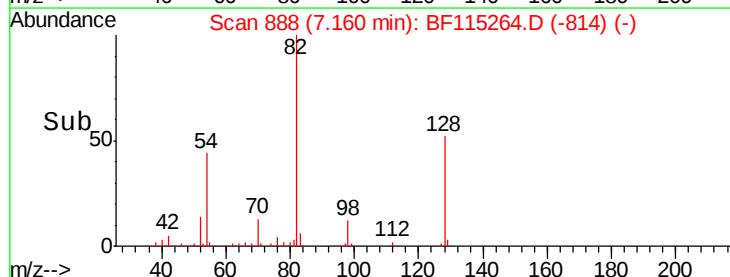


Abundance Ion 70.00 (69.70 to 70.70): BF1

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

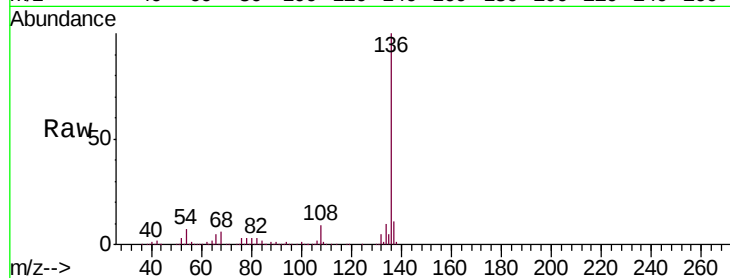




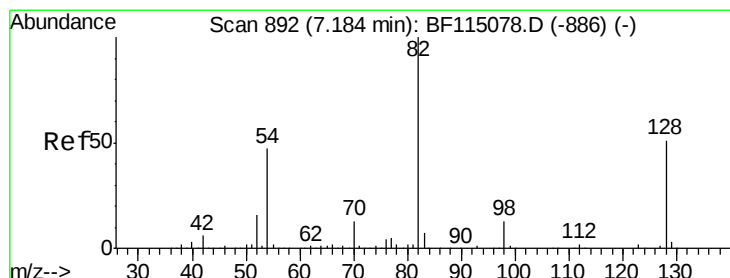
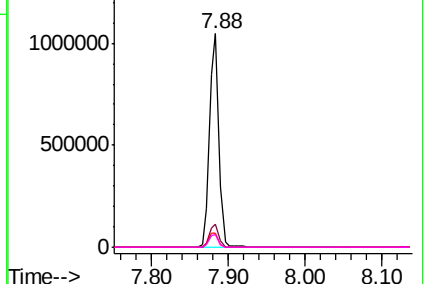
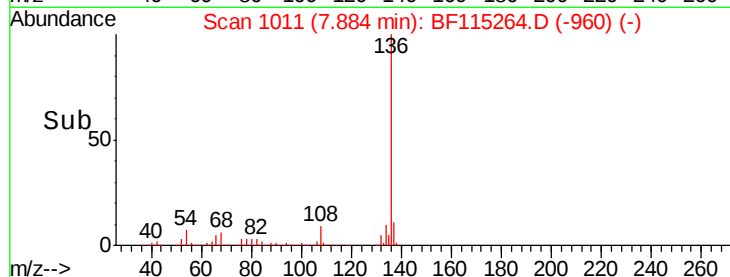
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 7.88 min Scan# 1011
Delta R.T. 0.00 min
Lab File: BF115264.D
Acq: 28 Jun 2019 4:55

Instrument :
BNA_F
ClientSampleId :
CL-02-062619-E

Tgt Ion:	136	Resp:	875760
Ion	Ratio	Lower	Upper
136	100		
137	10.9	8.9	13.3
54	6.6	5.6	8.4
68	5.7	4.8	7.2

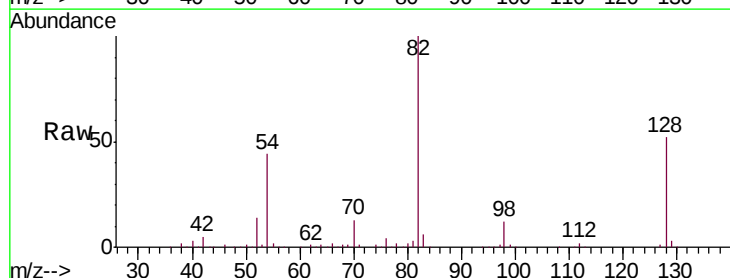


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF1
Ion 68.00 (67.70 to 68.70): BF1

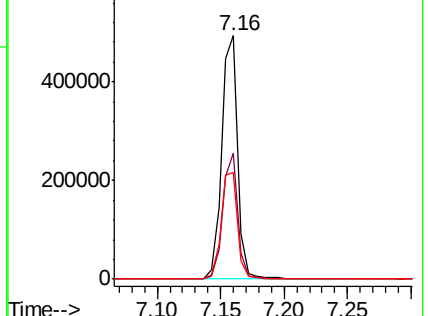
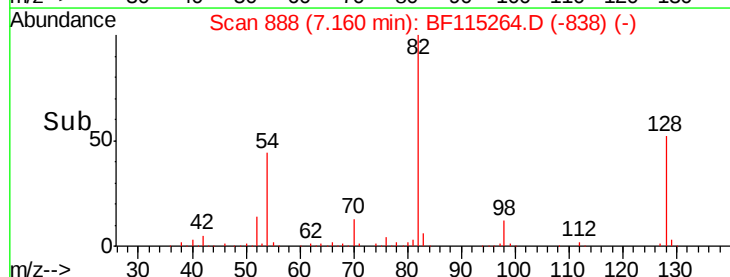


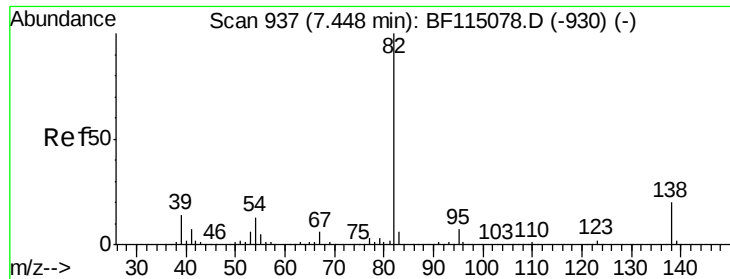
#23
Nitrobenzene-d5
Concen: 30.489 ng
RT: 7.16 min Scan# 888
Delta R.T. -0.01 min
Lab File: BF115264.D
Acq: 28 Jun 2019 4:55

Tgt Ion:	82	Resp:	434048
Ion	Ratio	Lower	Upper
82	100		
128	51.9	40.4	60.6
54	43.8	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: 14.712 ng

RT: 7.16 min Scan# 888

Delta R.T. -0.26 min

Lab File: BF115264.D

Acq: 28 Jun 2019 4:55

Instrument :

BNA_F

ClientSampleId :

CL-02-062619-E

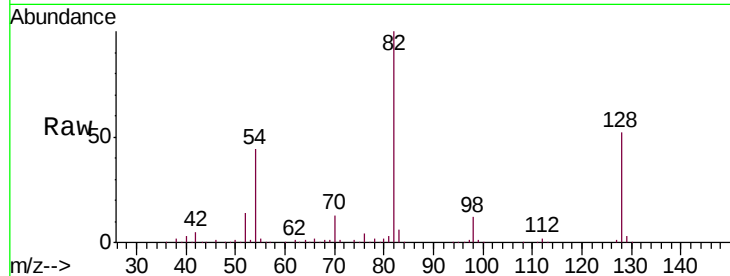
Tgt Ion: 82 Resp: 429052

Ion Ratio Lower Upper

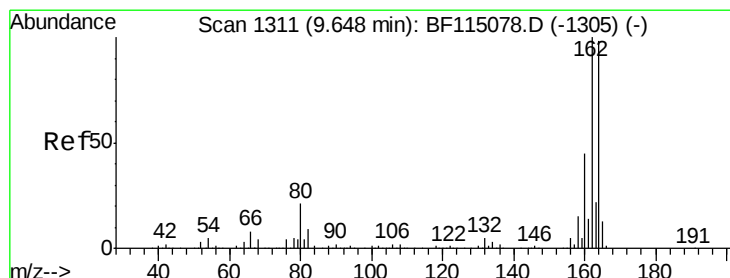
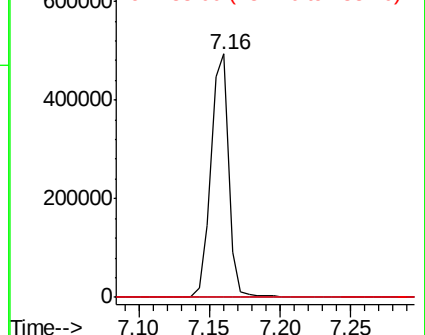
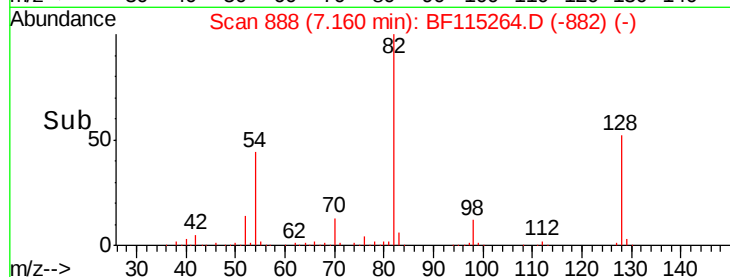
82 100

95 0.1 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: BF115264.D

Acq: 28 Jun 2019 4:55

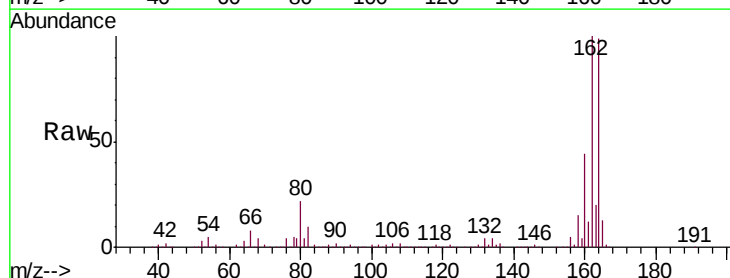
Tgt Ion: 164 Resp: 435473

Ion Ratio Lower Upper

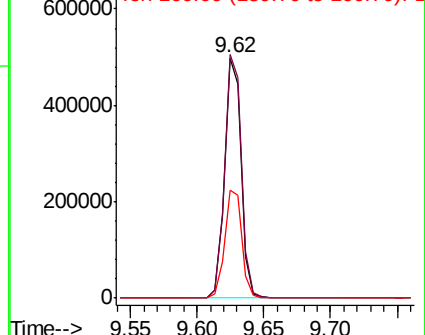
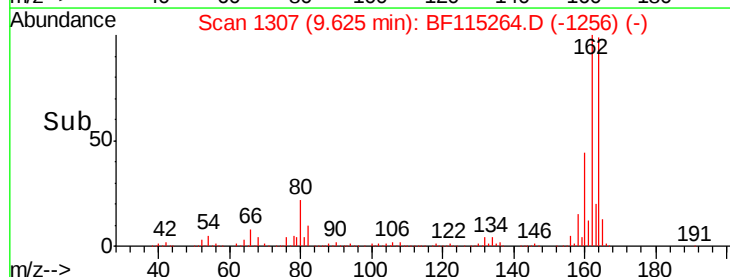
164 100

162 101.3 81.7 122.5

160 45.0 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: 49.432 ng

RT: 10.41 min Scan# 1440

Delta R.T. 0.00 min

Lab File: BF115264.D

Acq: 28 Jun 2019 4:55

Instrument :

BNA_F

ClientSampleId :

CL-02-062619-E

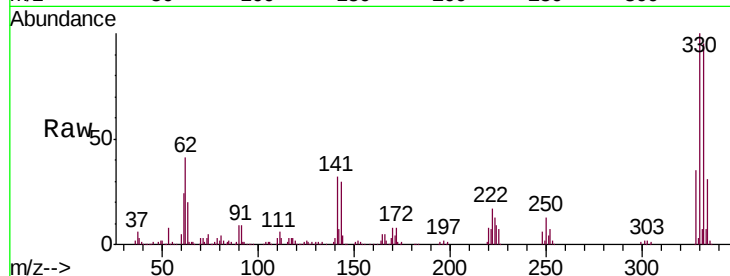
Tgt Ion:330 Resp: 227002

Ion Ratio Lower Upper

330 100

332 94.5 77.3 115.9

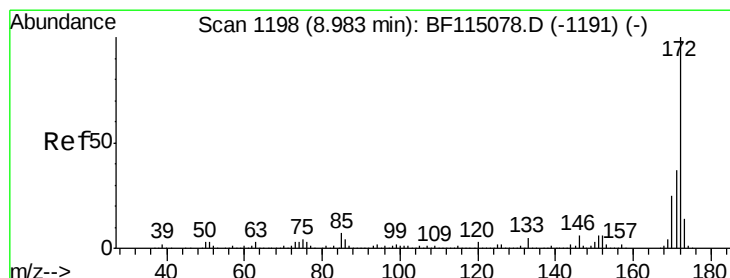
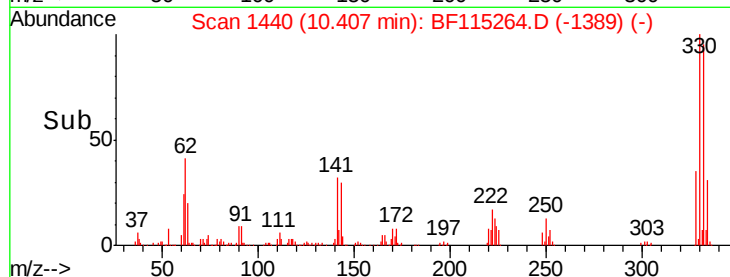
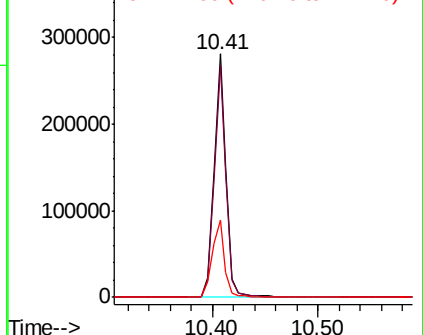
141 33.0 28.2 42.2



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: 35.283 ng

RT: 8.95 min Scan# 1193

Delta R.T. -0.01 min

Lab File: BF115264.D

Acq: 28 Jun 2019 4:55

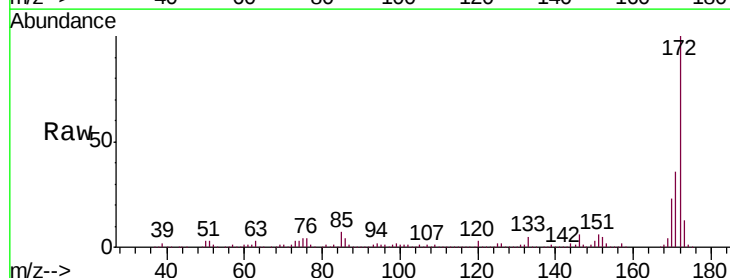
Tgt Ion:172 Resp: 904553

Ion Ratio Lower Upper

172 100

171 36.0 29.8 44.6

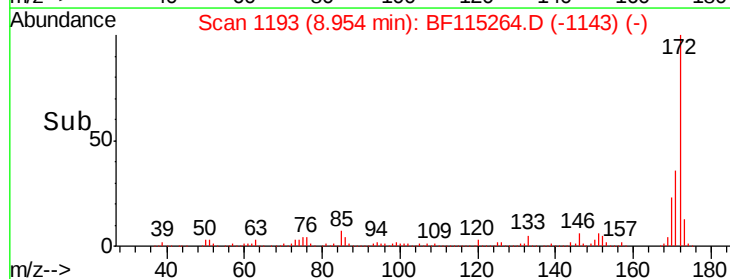
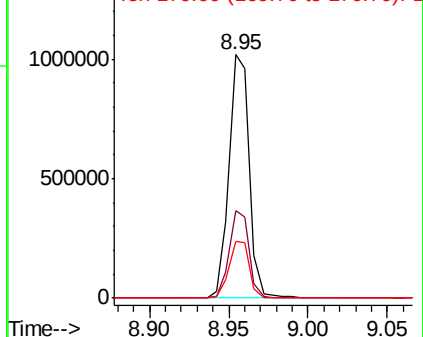
170 23.4 20.3 30.5



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

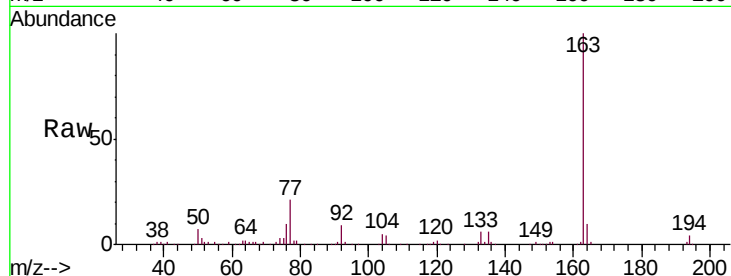




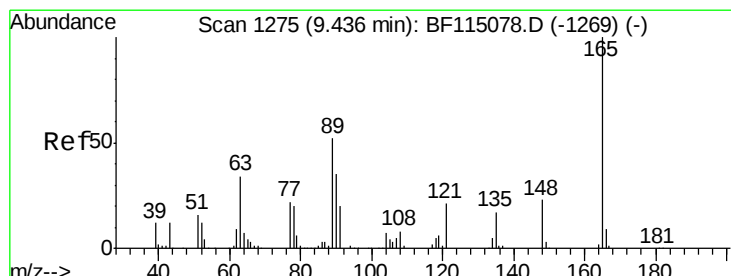
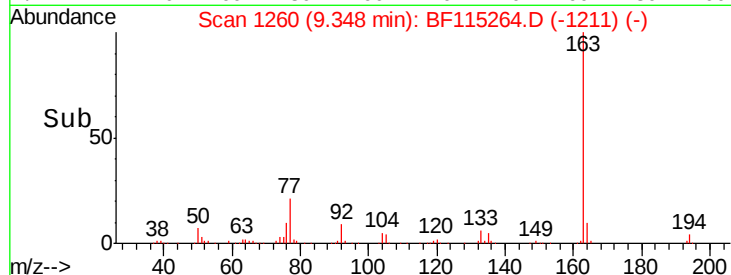
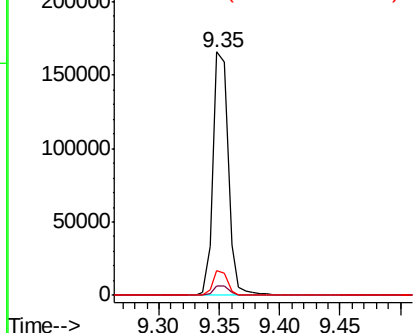
#50
Dimethylphthalate
Concen: 4.516 ng
RT: 9.35 min Scan# 1260
Delta R.T. -0.01 min
Lab File: BF115264.D
Acq: 28 Jun 2019 4:55

Instrument :
BNA_F
ClientSampleId :
CL-02-062619-E

Tgt Ion:163 Resp: 144674
Ion Ratio Lower Upper
163 100
194 3.9 3.2 4.8
164 10.1 8.6 13.0

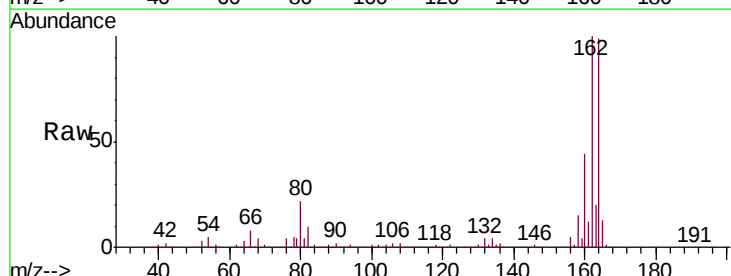


Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

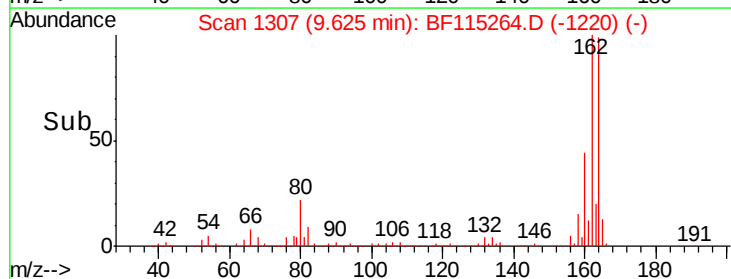
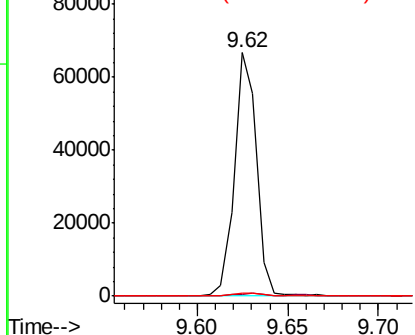


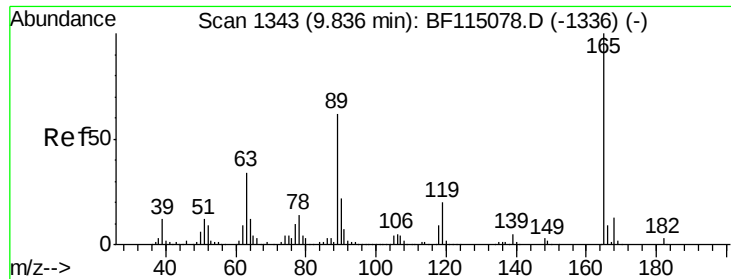
#51
2,6-Dinitrotoluene
Concen: 7.624 ng
RT: 9.62 min Scan# 1307
Delta R.T. 0.21 min
Lab File: BF115264.D
Acq: 28 Jun 2019 4:55

Tgt Ion:165 Resp: 56393
Ion Ratio Lower Upper
165 100
63 0.9 39.4 59.2#
89 1.1 42.0 63.0#



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

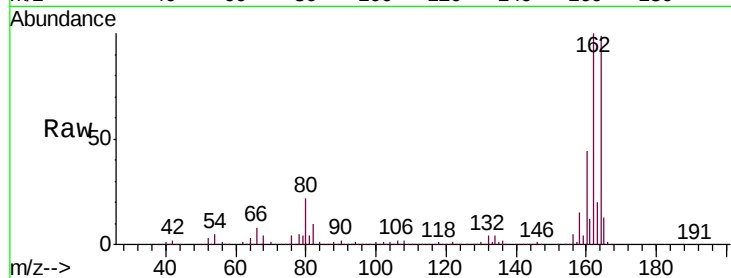




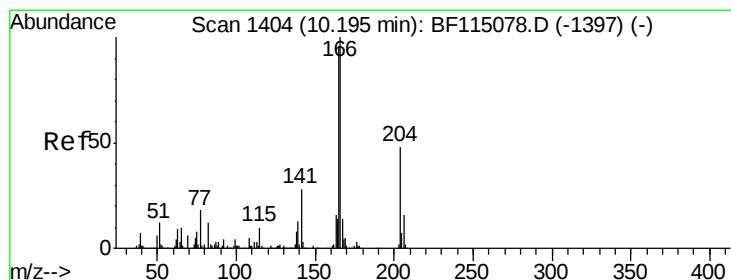
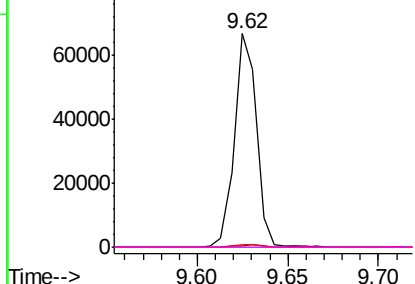
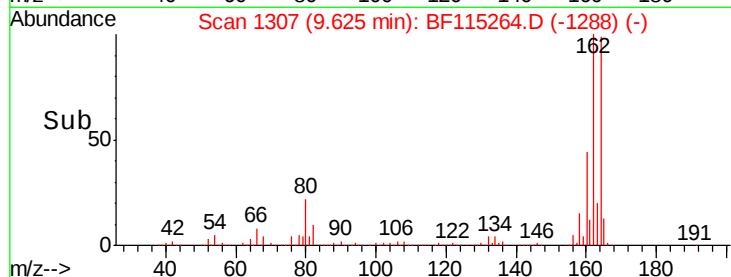
#57
2,4-Dinitrotoluene
Concen: 5.905 ng
RT: 9.62 min Scan# 1307
Delta R.T. -0.19 min
Lab File: BF115264.D
Acq: 28 Jun 2019 4:55

Instrument :
BNA_F
ClientSampleId :
CL-02-062619-E

Tgt Ion	Ratio	Resp	Lower	Upper
165	100	56393		
63	0.9	27.5	41.3#	
89	1.1	49.9	74.9#	
182	0.0	2.1	3.1#	

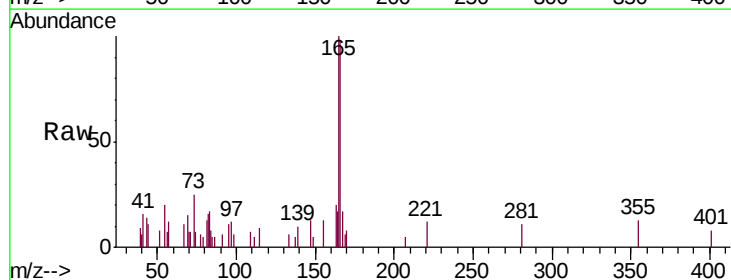


Abundance Ion 165.00 (164.70 to 165.70): E
Ion 63.00 (62.70 to 63.70): BF1
Ion 89.00 (88.70 to 89.70): BF1
Ion 182.00 (181.70 to 182.70): E

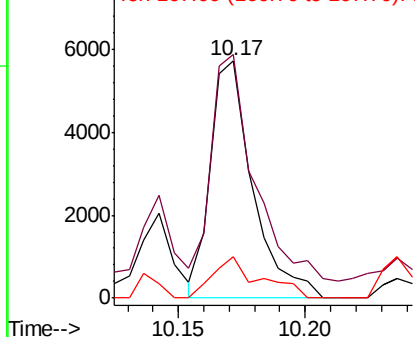
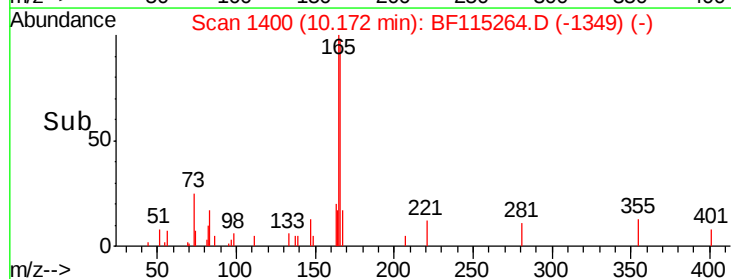


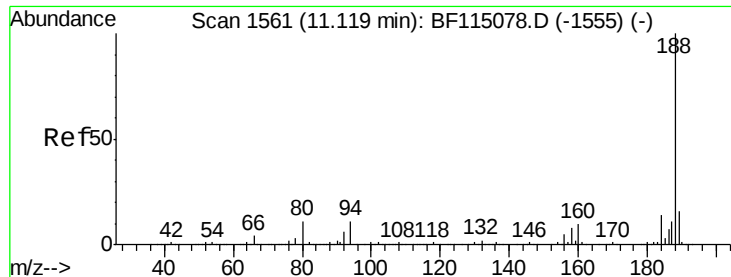
#58
Fluorene
Concen: Below Cal
RT: 10.17 min Scan# 1400
Delta R.T. 0.00 min
Lab File: BF115264.D
Acq: 28 Jun 2019 4:55

Tgt Ion	Ratio	Resp	Lower	Upper
166	100	6671		
165	102.5	76.5	114.7	
167	17.7	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# 1558

Delta R.T. 0.01 min

Lab File: BF115264.D

Acq: 28 Jun 2019 4:55

Instrument :

BNA_F

ClientSampleId :

CL-02-062619-E

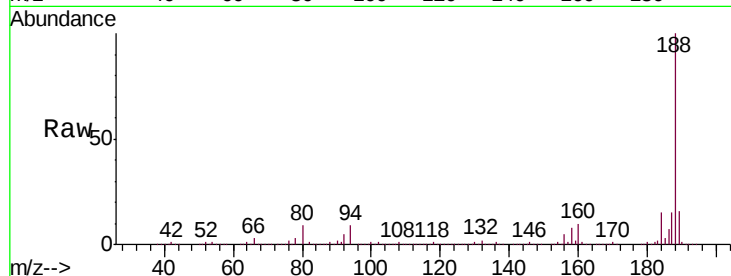
Tgt Ion:188 Resp: 868241

Ion Ratio Lower Upper

188 100

94 9.2 8.6 12.8

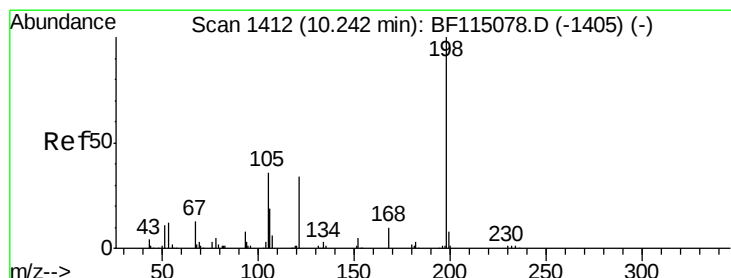
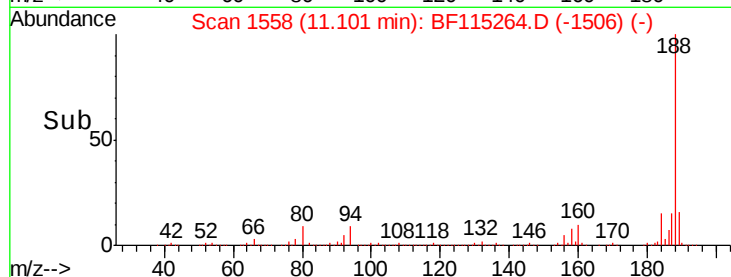
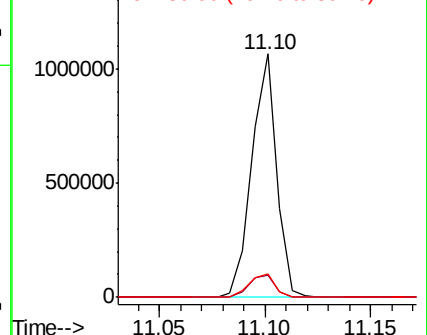
80 9.4 8.8 13.2



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: 5.040 ng

RT: 10.41 min Scan# 1440

Delta R.T. 0.19 min

Lab File: BF115264.D

Acq: 28 Jun 2019 4:55

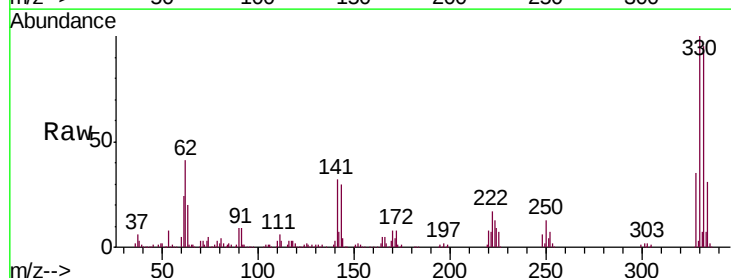
Tgt Ion:198 Resp: 414

Ion Ratio Lower Upper

198 100

51 174.5 11.0 51.0#

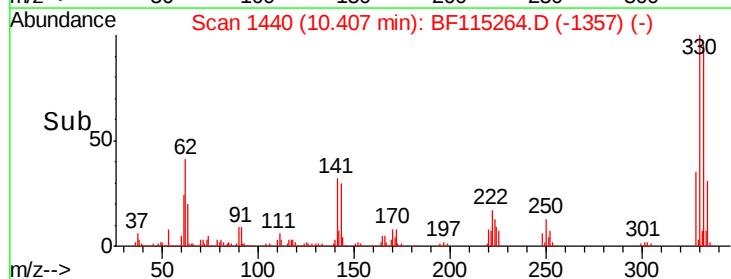
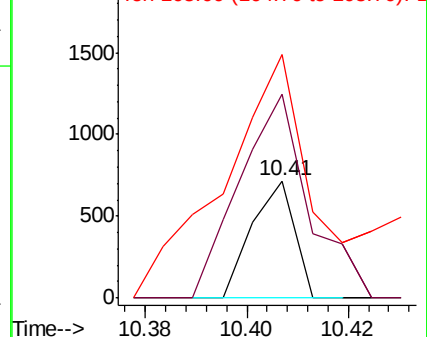
105 208.4 17.3 57.3#

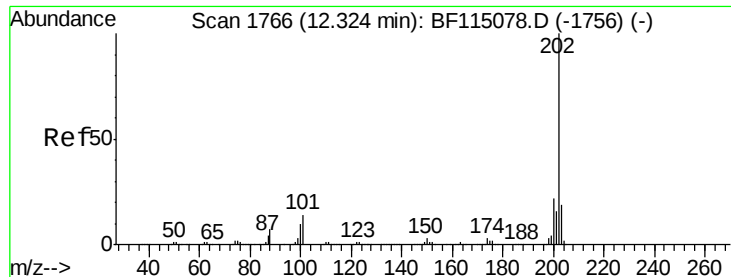


Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BF1

Ion 105.00 (104.70 to 105.70): E





#75

Fluoranthene

Concen: 3.577 ng

RT: 12.30 min Scan# 1762

Delta R.T. 0.00 min

Lab File: BF115264.D

Acq: 28 Jun 2019 4:55

Instrument :

BNA_F

ClientSampleId :

CL-02-062619-E

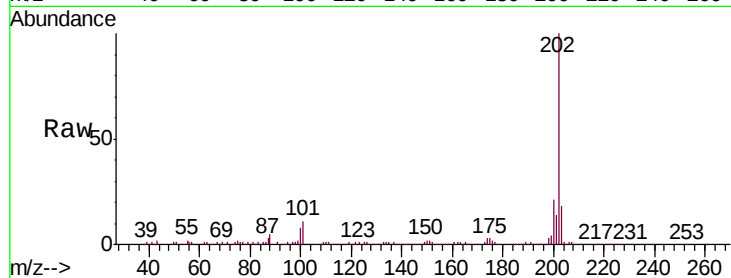
Tgt Ion: 202 Resp: 166838

Ion Ratio Lower Upper

202 100

101 10.9 0.0 34.0

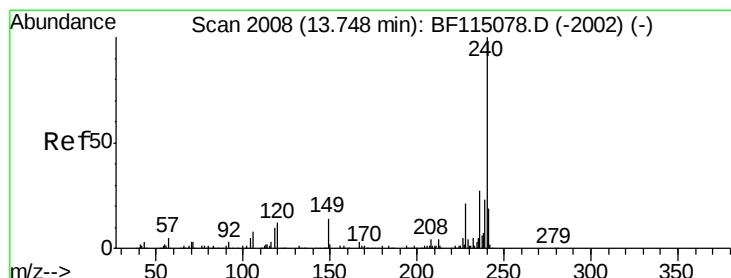
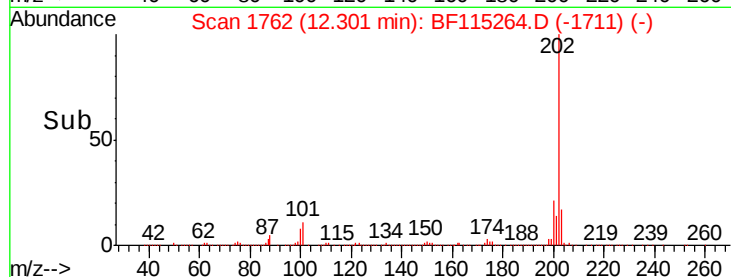
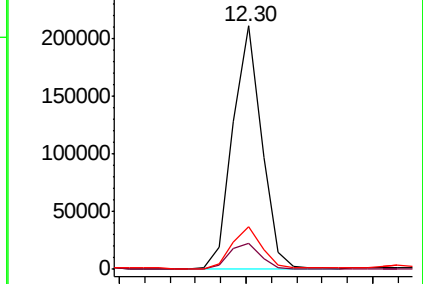
203 17.5 0.0 38.8



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: 13.72 min Scan# 2003

Delta R.T. 0.00 min

Lab File: BF115264.D

Acq: 28 Jun 2019 4:55

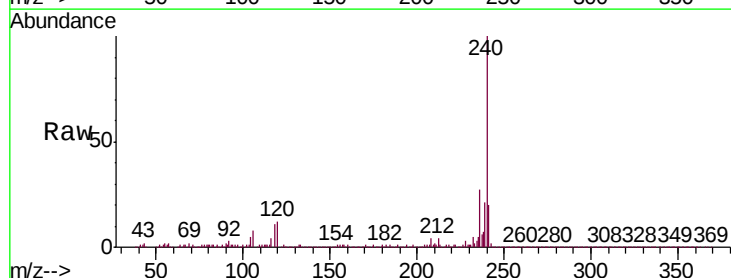
Tgt Ion: 240 Resp: 616507

Ion Ratio Lower Upper

240 100

120 12.4 9.4 14.2

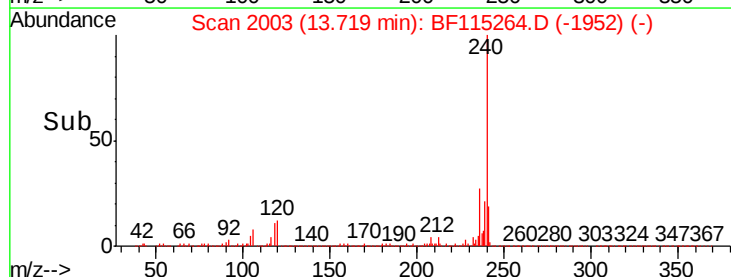
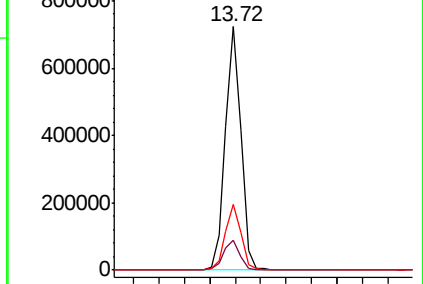
236 26.8 21.7 32.5

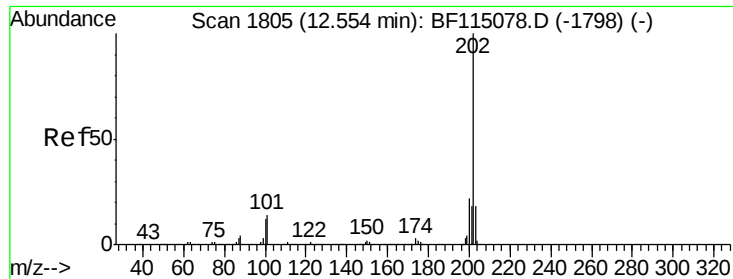


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E

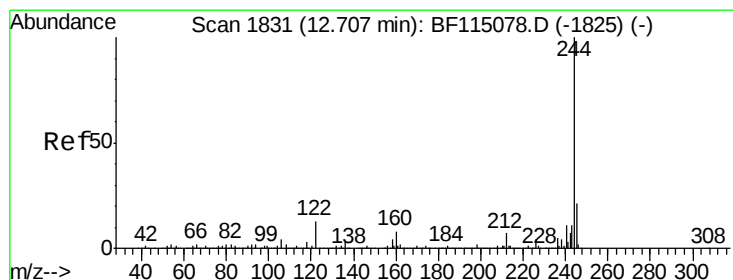
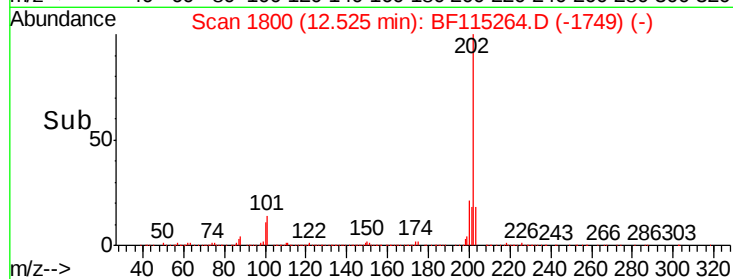
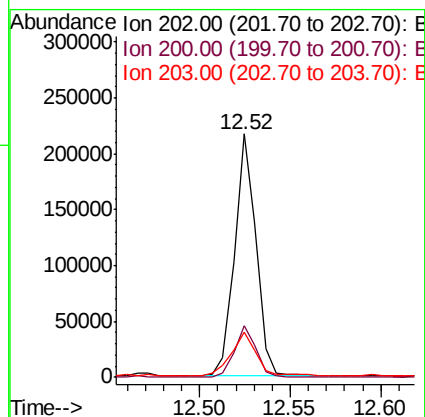
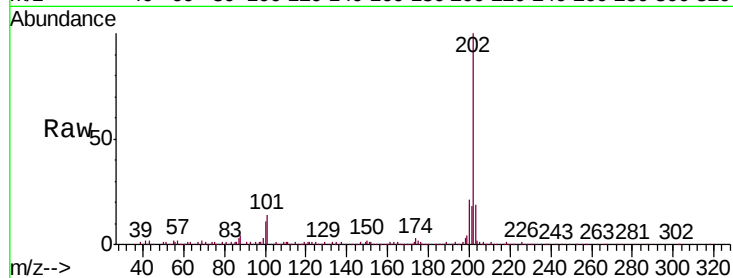




#78
 Pyrene
 Concen: 3.784 ng
 RT: 12.52 min Scan# 1800
 Delta R.T. 0.00 min
 Lab File: BF115264.D
 Acq: 28 Jun 2019 4:55

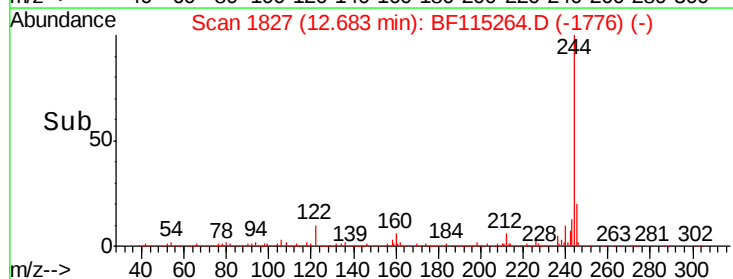
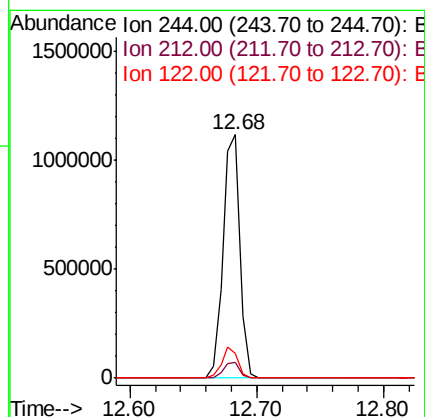
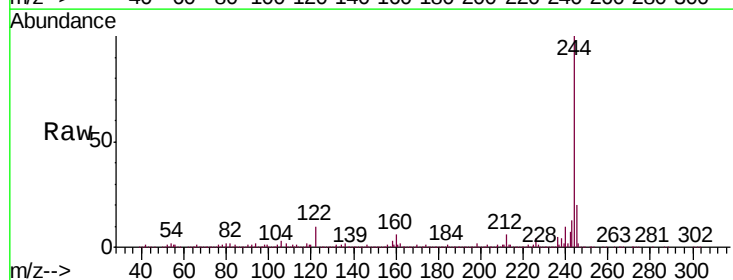
Instrument :
 BNA_F
 ClientSampleId :
 CL-02-062619-E

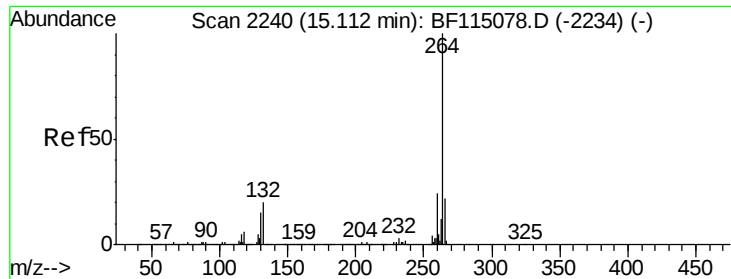
Tgt Ion	Ratio	Lower	Upper
202	100		
200	21.3	17.9	26.9
203	18.5	14.6	21.8



#79
 Terphenyl-d14
 Concen: 35.869 ng
 RT: 12.68 min Scan# 1827
 Delta R.T. 0.00 min
 Lab File: BF115264.D
 Acq: 28 Jun 2019 4:55

Tgt Ion	Ratio	Lower	Upper
244	100		
212	6.3	5.8	8.6
122	10.4	10.4	15.6

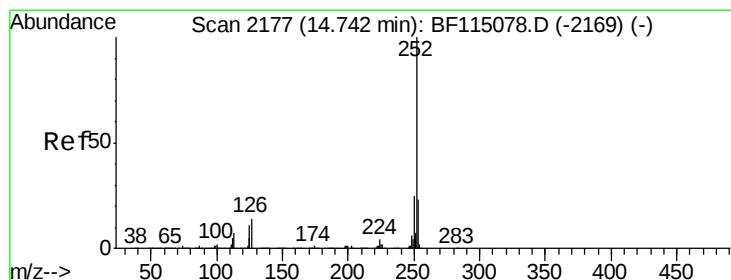
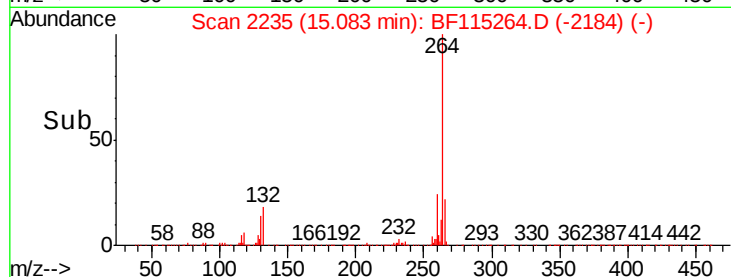
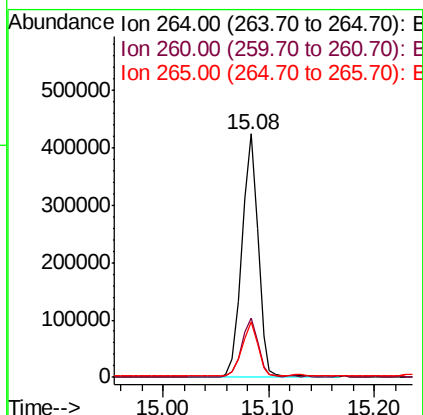
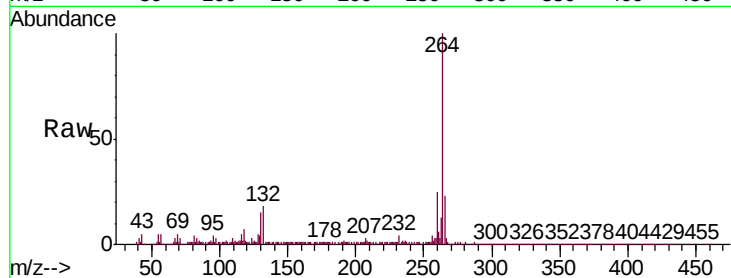




#87
Perylene-d12
Concen: 20.000 ng
RT: 15.08 min Scan# 2235
Delta R.T. 0.00 min
Lab File: BF115264.D
Acq: 28 Jun 2019 4:55

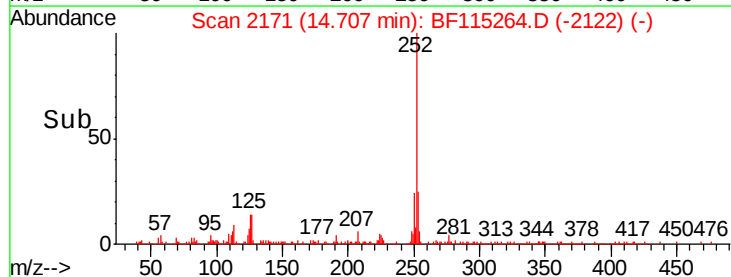
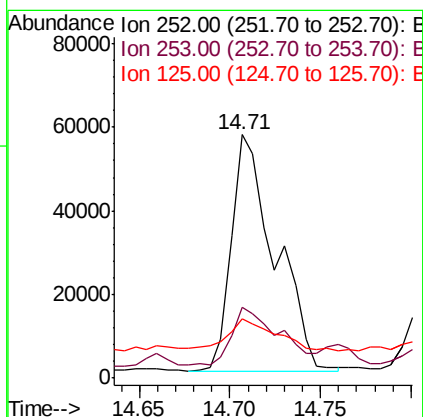
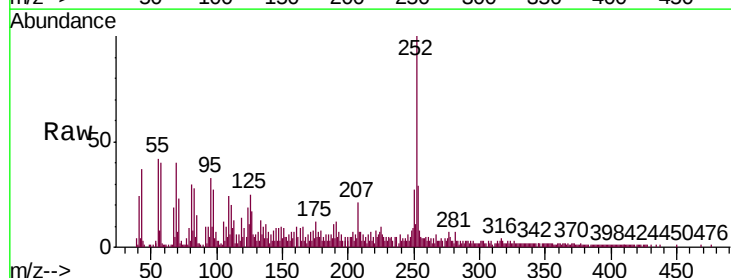
Instrument :
BNA_F
ClientSampleId :
CL-02-062619-E

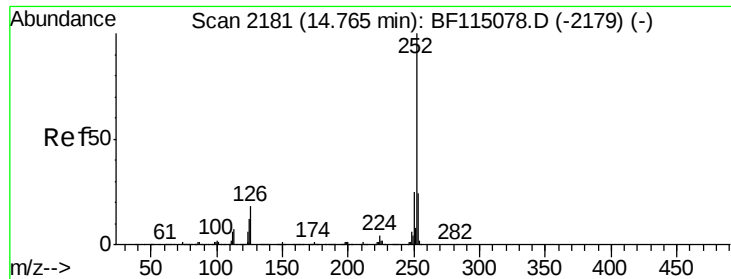
Tgt Ion	Ratio	Lower	Upper
264	100		
260	24.6	19.6	29.4
265	22.6	17.3	25.9



#88
Benzo(b)fluoranthene
Concen: 3.454 ng
RT: 14.71 min Scan# 2171
Delta R.T. -0.01 min
Lab File: BF115264.D
Acq: 28 Jun 2019 4:55

Tgt Ion	Ratio	Lower	Upper
252	100		
253	29.1	18.1	27.1#
125	24.6	8.7	13.1#





#89

Benzo(k)fluoranthene

Concen: 3.852 ng

RT: 14.71 min Scan# 2171

Delta R.T. -0.04 min

Lab File: BF115264.D

Acq: 28 Jun 2019 4:55

Instrument :

BNA_F

ClientSampleId :

CL-02-062619-E

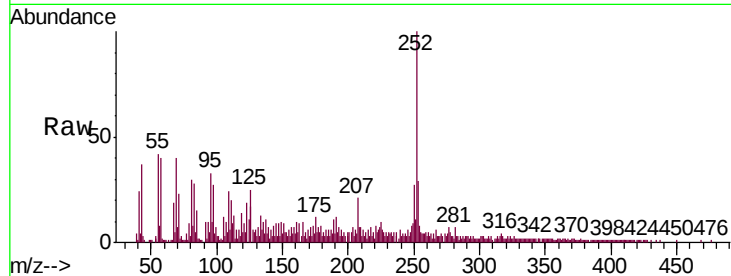
Tgt Ion:252 Resp: 95235

Ion Ratio Lower Upper

252 100

253 29.1 18.9 28.3#

125 24.6 10.2 15.2#

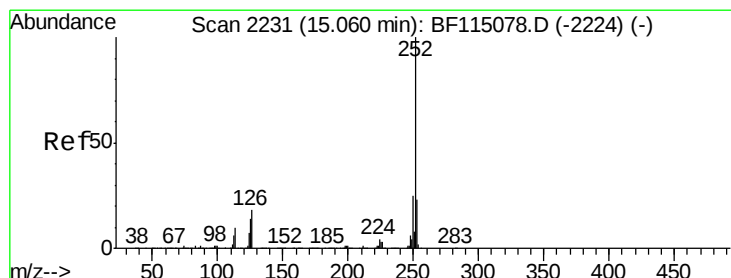
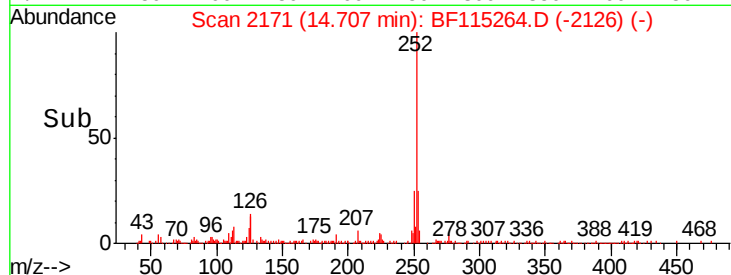
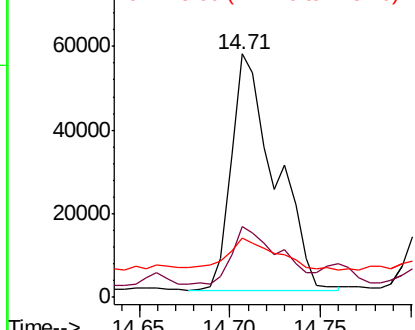


Abundance

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: 2.036 ng

RT: 15.02 min Scan# 2225

Delta R.T. -0.01 min

Lab File: BF115264.D

Acq: 28 Jun 2019 4:55

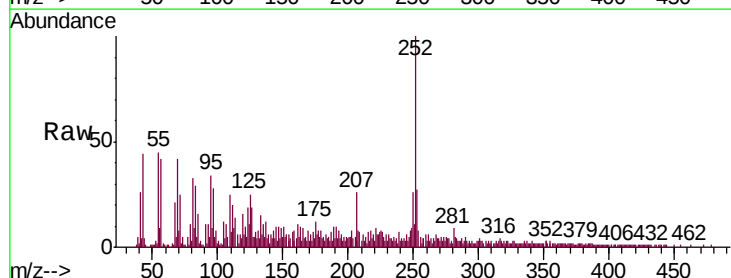
Tgt Ion:252 Resp: 50585

Ion Ratio Lower Upper

252 100

253 26.6 18.3 27.5

125 24.6 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

