

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF071719\
 Data File : BF115634.D
 Acq On : 17 Jul 2019 20:45
 Operator : HP/JU
 Sample : K3852-03
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 COMP-3_071619

Quant Time: Jul 18 04:47:50 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF071219.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Jul 12 14:03:52 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.88	152	202172	20.00	ng	0.00
21) Naphthalene-d8	8.16	136	658111	20.00	ng	0.00
39) Acenaphthene-d10	9.92	164	288092	20.00	ng	-0.01
64) Phenanthrene-d10	11.40	188	467264	20.00	ng	-0.01
76) Chrysene-d12	14.03	240	321943	20.00	ng	-0.02
87) Perylene-d12	15.50	264	298310	20.00	ng	-0.02

System Monitoring Compounds

5) 2-Fluorophenol	5.50	112	810737	65.59	ng	0.00
7) Phenol-d6	6.51	99	1054352	67.23	ng	0.00
23) Nitrobenzene-d5	7.44	82	645483	57.03	ng	-0.01
42) 2,4,6-Tribromophenol	10.70	330	195326	58.09	ng	-0.02
45) 2-Fluorobiphenyl	9.23	172	962979	58.51	ng	-0.02
79) Terphenyl-d14	12.97	244	750353	43.01	ng	-0.02

Target Compounds

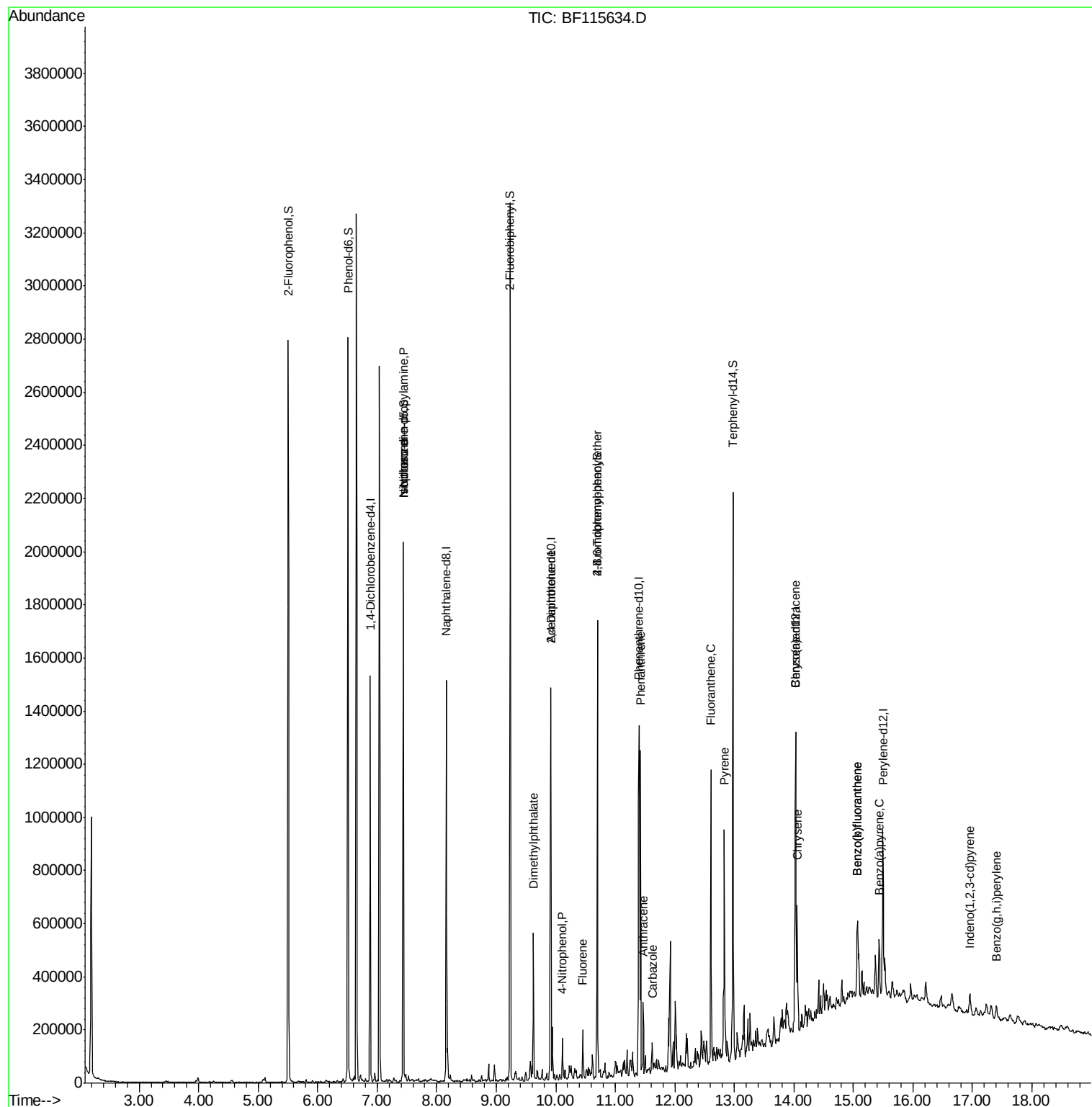
						Qvalue
19) n-Nitroso-di-n-propylamine	7.44	70	85644	8.373	ng	# 78
25) Isophorone	7.44	82	635929	28.079	ng	# 64
50) Dimethylphthalate	9.62	163	201918	9.316	ng	98
56) 4-Nitrophenol	10.12	139	16202	3.775	ng	# 13
57) 2,4-Dinitrotoluene	9.91	165	38430	6.022	ng	# 24
58) Fluorene	10.46	166	40754	2.238	ng	95
67) 4-Bromophenyl-phenylether	10.70	248	12475	2.336	ng	# 1
71) Phenanthrene	11.42	178	427805	17.861	ng	96
72) Anthracene	11.47	178	93453	3.775	ng	99
73) Carbazole	11.62	167	43735	2.015	ng	98
75) Fluoranthene	12.61	202	413594	16.341	ng	98
78) Pyrene	12.83	202	350992	12.868	ng	97
81) Benzo(a)anthracene	14.02	228	192668	9.084	ng	99
83) Chrysene	14.06	228	178927	8.404	ng	96
86) Indeno(1,2,3-cd)pyrene	16.96	276	51791	2.863	ng	96
88) Benzo(b)fluoranthene	15.07	252	226593	11.796	ng	98
89) Benzo(k)fluoranthene	15.07	252	226593	13.231	ng	99
90) Benzo(a)pyrene	15.43	252	112626	6.822	ng	96
92) Benzo(g,h,i)perylene	17.40	276	41844	2.895	ng	95

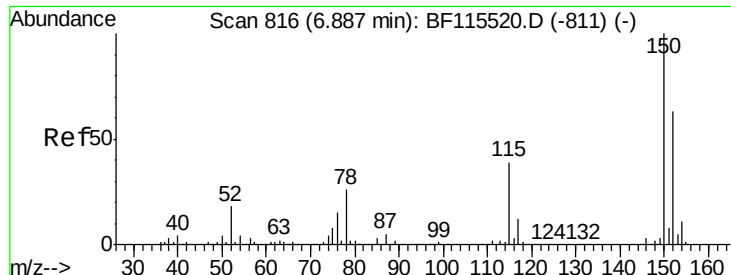
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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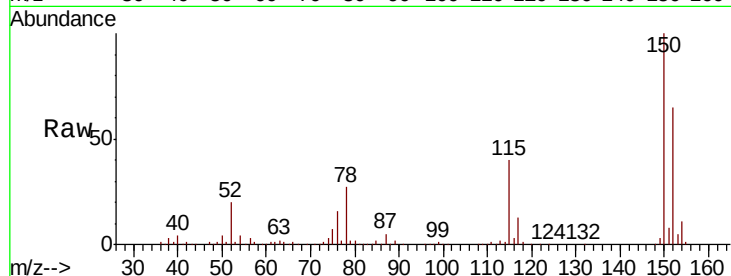


#1

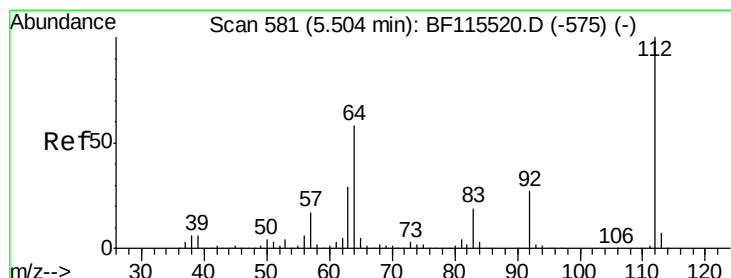
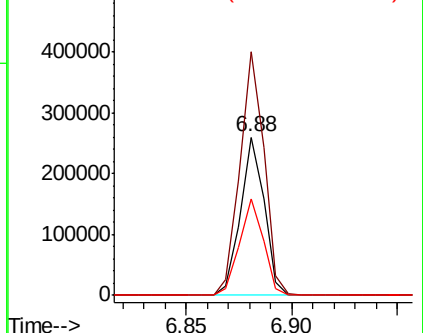
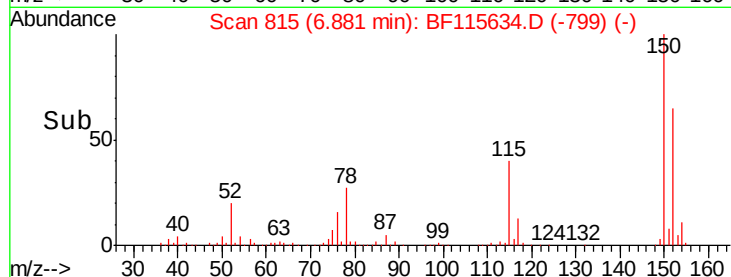
1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.88 min Scan# 815
 Delta R.T. -0.01 min
 Lab File: BF115634.D
 Acq: 17 Jul 2019 20:45

Instrument :
 BNA_F
 ClientSampleId :
 COMP-3_071619

Tgt Ion:152 Resp: 202172
 Ion Ratio Lower Upper
 152 100
 150 153.6 129.7 194.5
 115 61.2 48.2 72.4



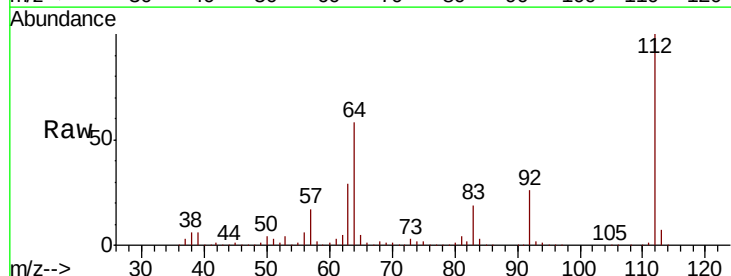
Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E



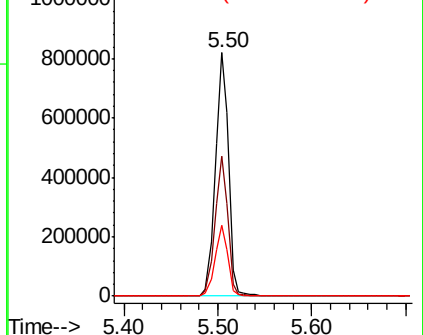
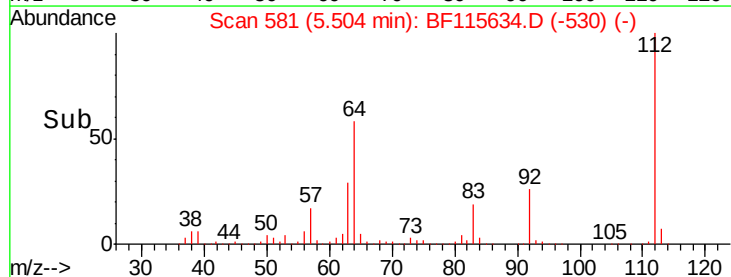
#5

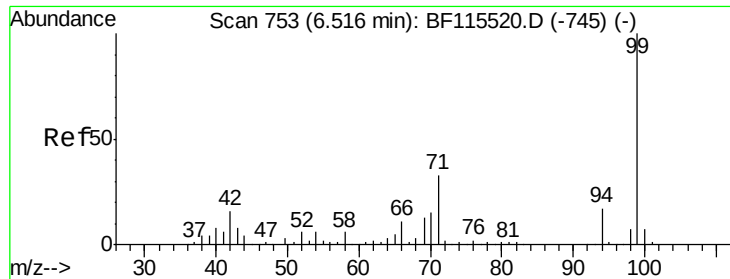
2-Fluorophenol
 Concen: 65.594 ng
 RT: 5.50 min Scan# 581
 Delta R.T. -0.00 min
 Lab File: BF115634.D
 Acq: 17 Jul 2019 20:45

Tgt Ion:112 Resp: 810737
 Ion Ratio Lower Upper
 112 100
 64 57.5 46.8 70.2
 63 29.3 24.1 36.1



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: 67.228 ng

RT: 6.51 min Scan# 752

Delta R.T. -0.01 min

Lab File: BF115634.D

Acq: 17 Jul 2019 20:45

Instrument :

BNA_F

ClientSampleId :

COMP-3_071619

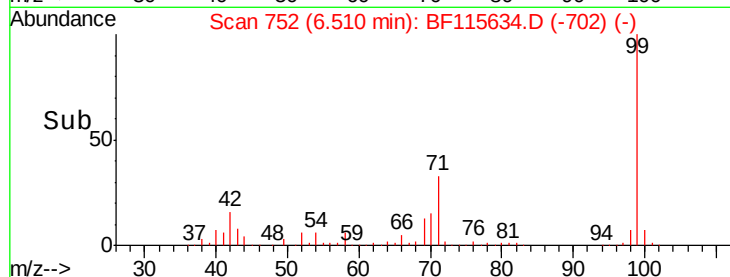
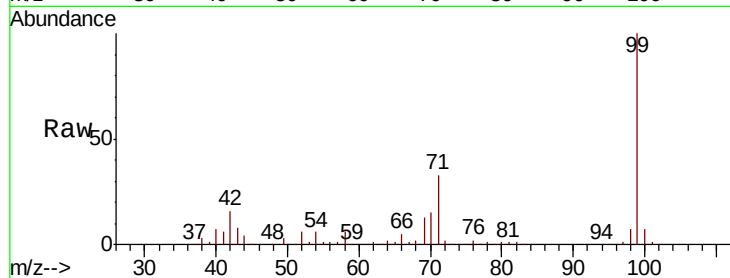
Tgt Ion: 99 Resp: 1054352

Ion Ratio Lower Upper

99 100

42 15.8 13.6 20.4

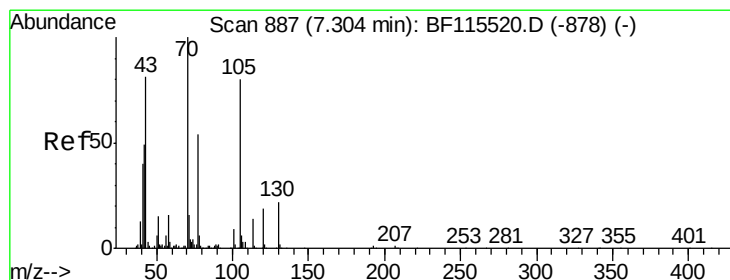
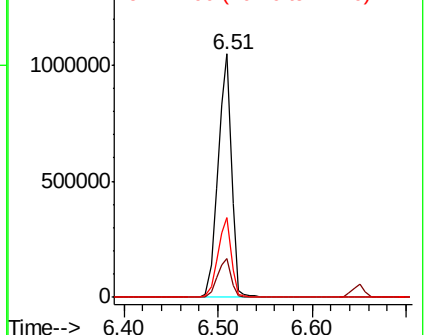
71 33.0 28.5 42.7



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: 8.373 ng

RT: 7.44 min Scan# 910

Delta R.T. 0.14 min

Lab File: BF115634.D

Acq: 17 Jul 2019 20:45

Tgt Ion: 70 Resp: 85644

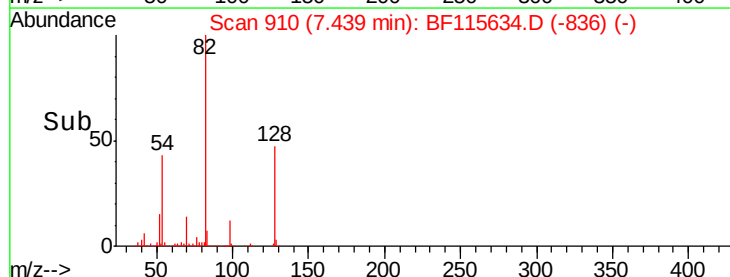
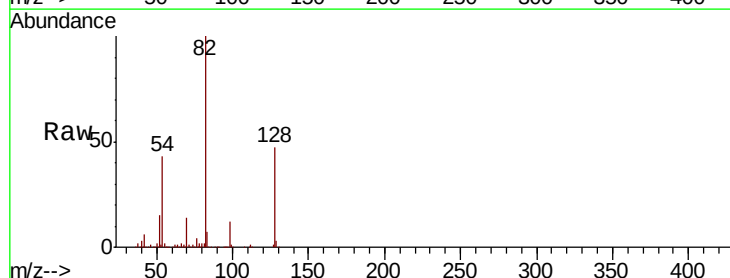
Ion Ratio Lower Upper

70 100

42 41.7 39.6 59.4

101 0.0 8.1 12.1#

130 2.4 18.2 27.2#

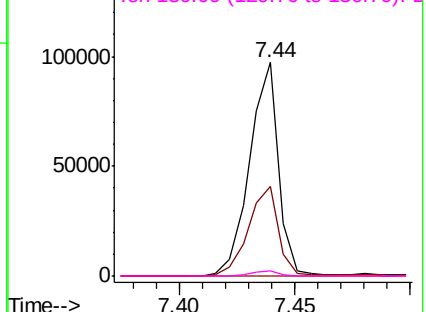


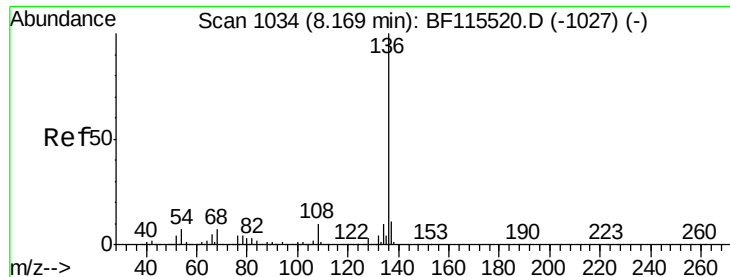
Abundance Ion 70.00 (69.70 to 70.70): BF1

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

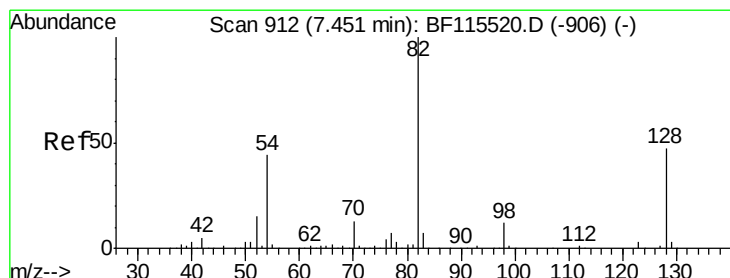
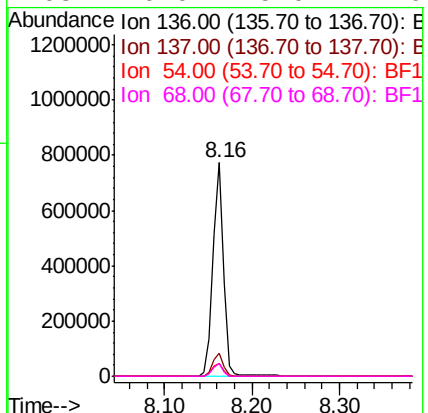
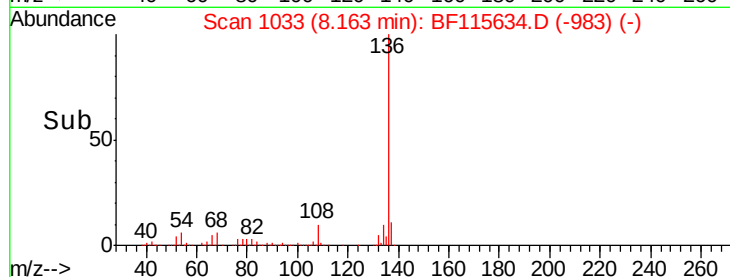
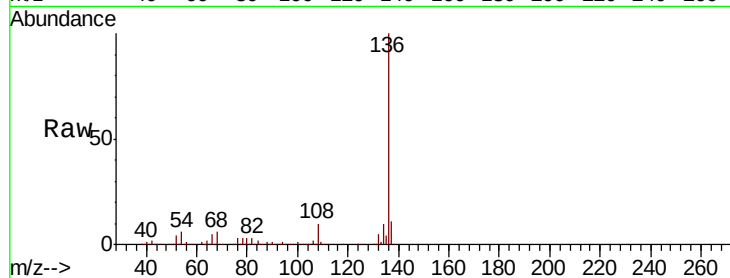




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.16 min Scan# 1033
Delta R.T. -0.01 min
Lab File: BF115634.D
Acq: 17 Jul 2019 20:45

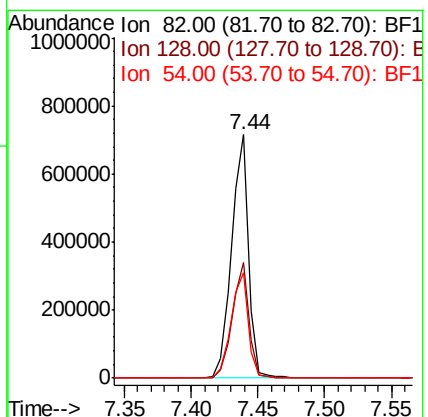
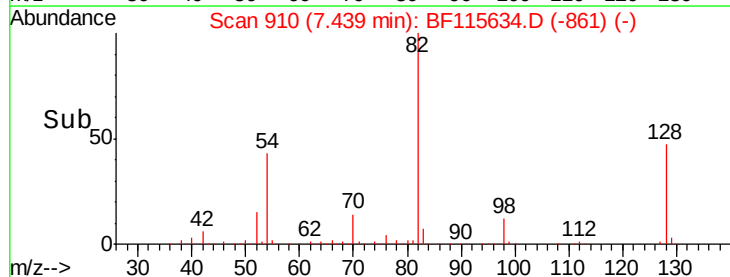
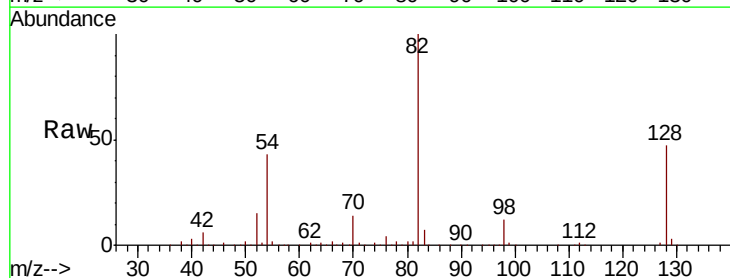
Instrument :
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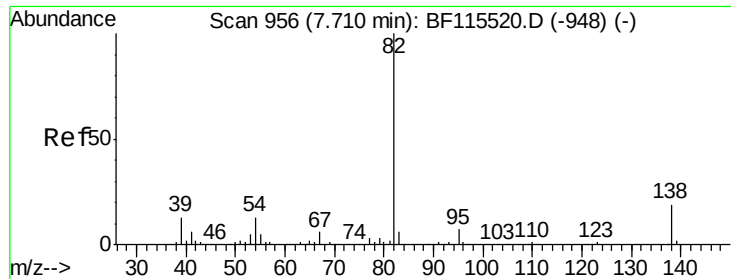
Tgt Ion:	136	Resp:	658111
Ion	Ratio	Lower	Upper
136	100		
137	10.9	9.0	13.4
54	6.2	5.6	8.4
68	6.0	5.0	7.6



#23
Nitrobenzene-d5
Concen: 57.031 ng
RT: 7.44 min Scan# 910
Delta R.T. -0.01 min
Lab File: BF115634.D
Acq: 17 Jul 2019 20:45

Tgt Ion:	82	Resp:	645483
Ion	Ratio	Lower	Upper
82	100		
128	47.3	38.6	57.8
54	43.5	35.6	53.4





#25

Isophorone

Concen: 28.079 ng

RT: 7.44 min Scan# 910

Delta R.T. -0.27 min

Lab File: BF115634.D

Acq: 17 Jul 2019 20:45

Instrument :

BNA_F

ClientSampleId :

COMP-3_071619

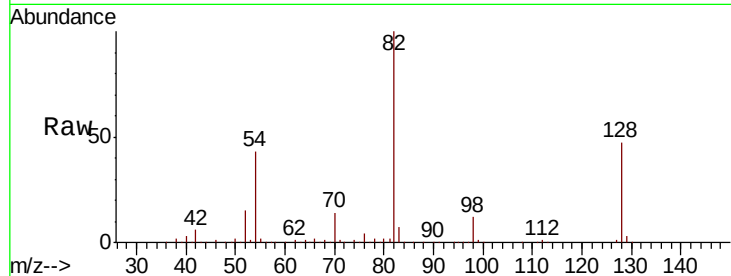
Tgt Ion: 82 Resp: 635929

Ion Ratio Lower Upper

82 100

95 0.1 5.5 8.3#

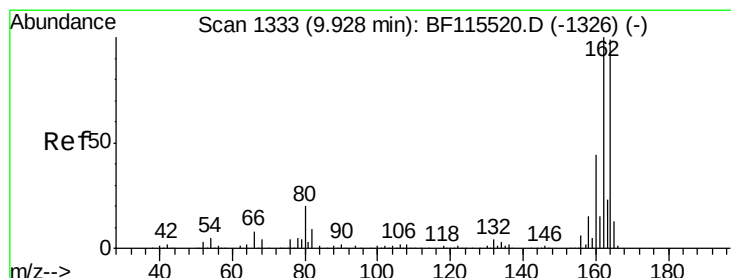
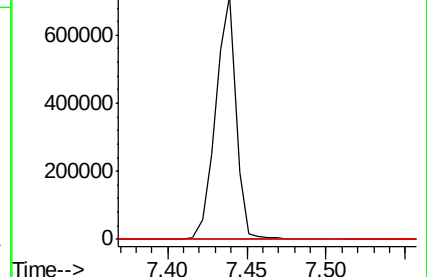
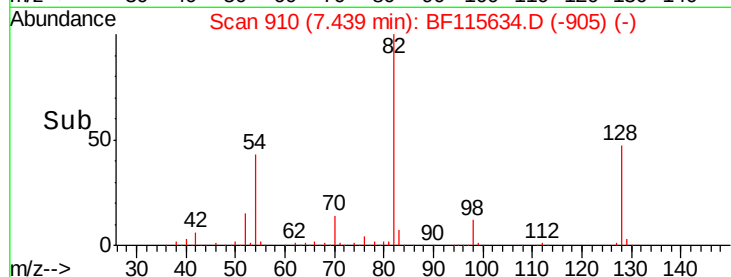
138 0.0 14.9 22.3#



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: 9.92 min Scan# 1331

Delta R.T. -0.01 min

Lab File: BF115634.D

Acq: 17 Jul 2019 20:45

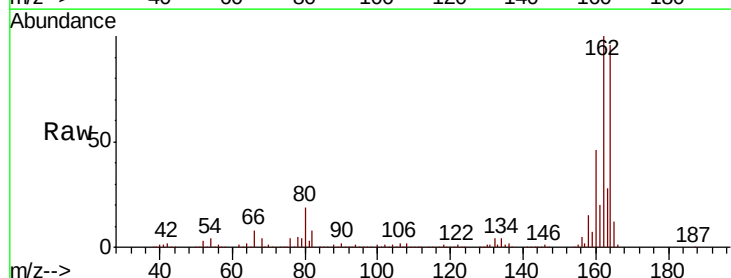
Tgt Ion: 164 Resp: 288092

Ion Ratio Lower Upper

164 100

162 104.0 82.9 124.3

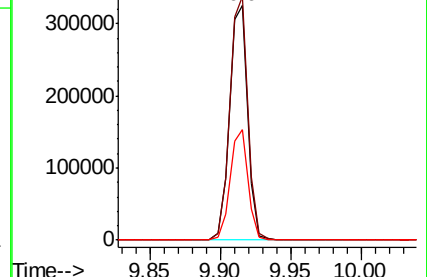
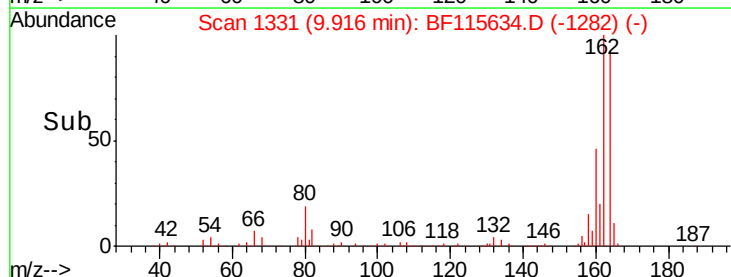
160 47.4 36.8 55.2

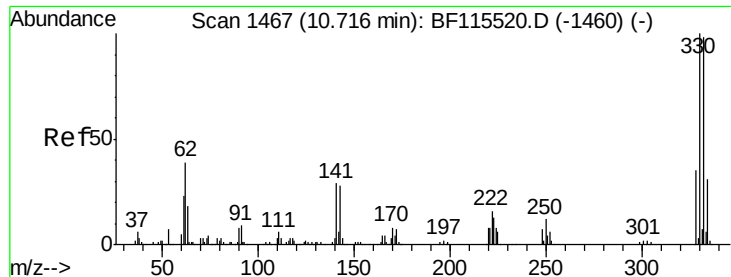


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E





#42

2,4,6-Tribromophenol

Concen: 58.086 ng

RT: 10.70 min Scan# 1464

Delta R.T. -0.02 min

Lab File: BF115634.D

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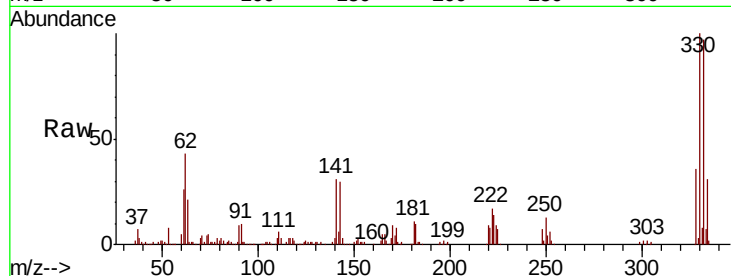
Tgt Ion:330 Resp: 195326

Ion Ratio Lower Upper

330 100

332 97.0 77.4 116.2

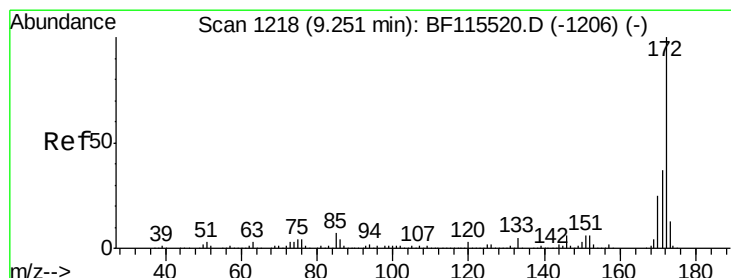
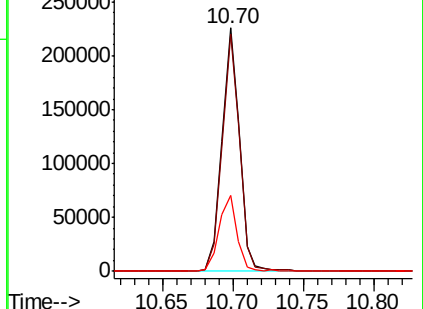
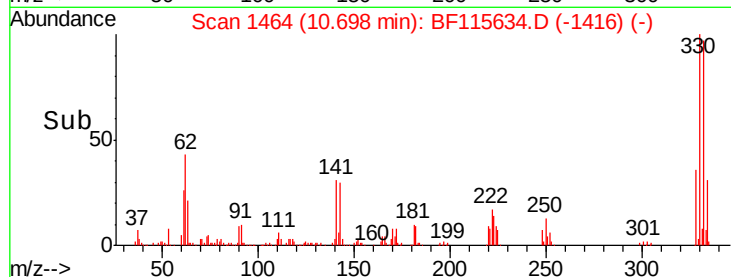
141 31.6 22.4 33.6



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: 58.505 ng

RT: 9.23 min Scan# 1215

Delta R.T. -0.02 min

Lab File: BF115634.D

Acq: 17 Jul 2019 20:45

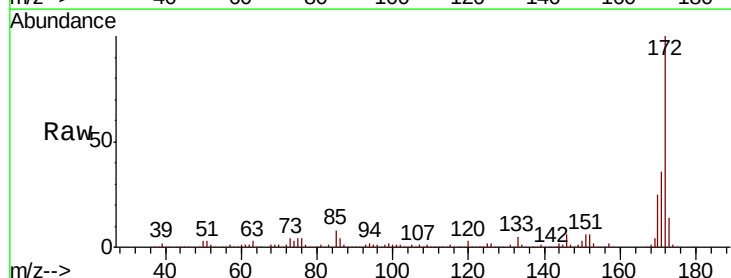
Tgt Ion:172 Resp: 962979

Ion Ratio Lower Upper

172 100

171 35.9 30.6 46.0

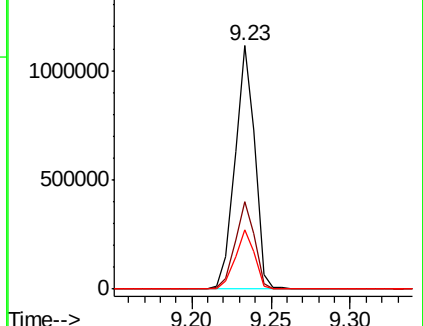
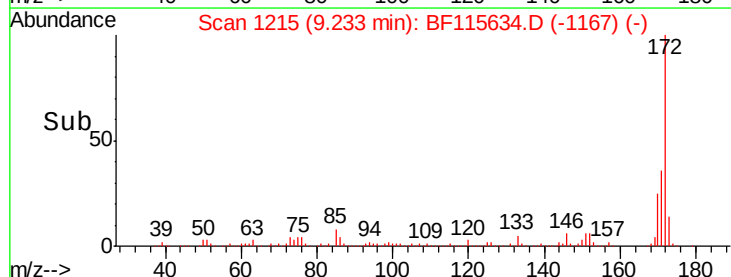
170 24.6 20.5 30.7

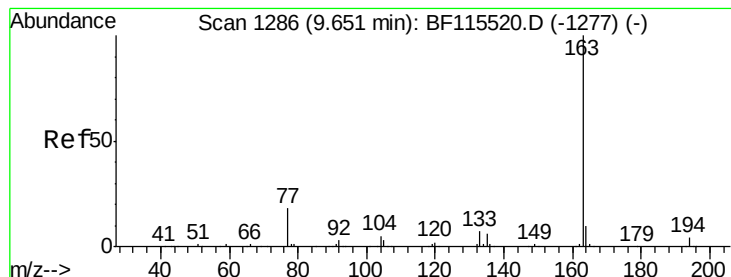


Abundance Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E





#50

Dimethylphthalate

Concen: 9.316 ng

RT: 9.62 min Scan# 1281

Delta R.T. -0.03 min

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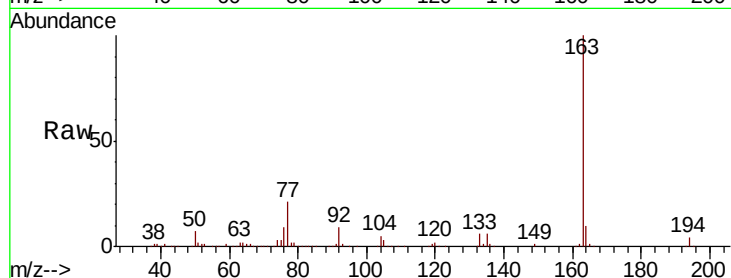
Tgt Ion:163 Resp: 201918

Ion Ratio Lower Upper

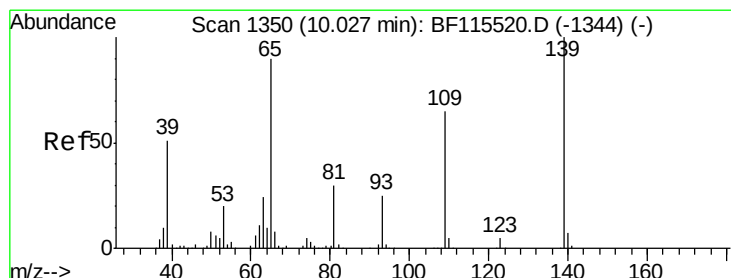
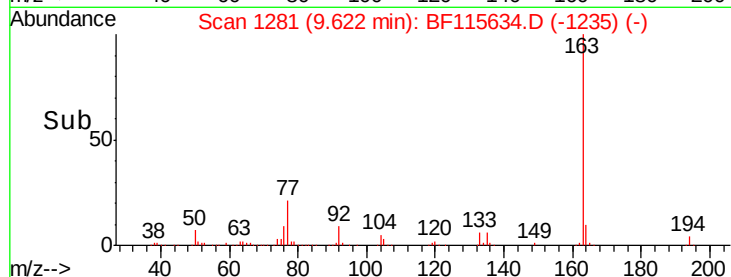
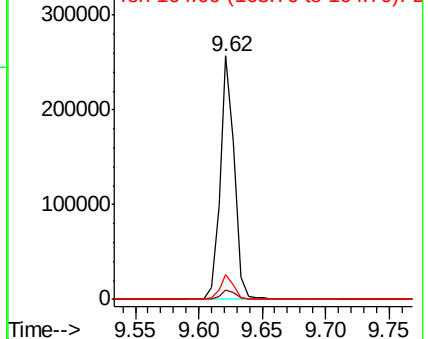
163 100

194 4.0 3.3 4.9

164 10.0 8.7 13.1



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



#56

4-Nitrophenol

Concen: 3.775 ng

RT: 10.12 min Scan# 1365

Delta R.T. 0.09 min

Lab File: BF115634.D

Acq: 17 Jul 2019 20:45

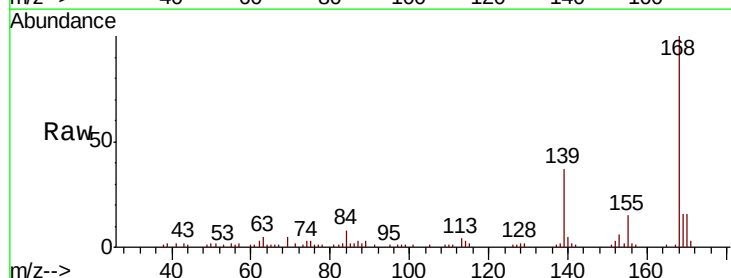
Tgt Ion:139 Resp: 16202

Ion Ratio Lower Upper

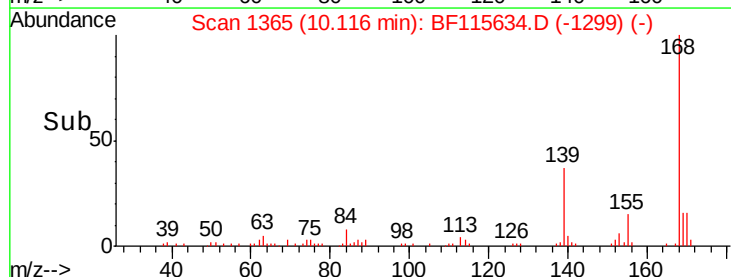
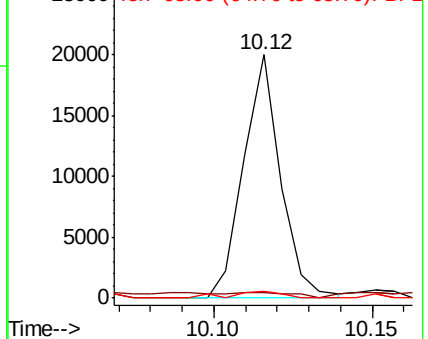
139 100

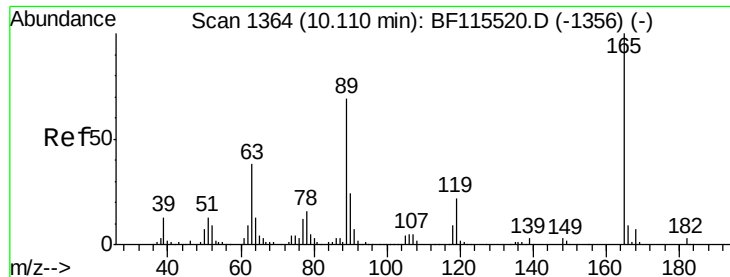
109 2.5 46.4 86.4#

65 2.6 68.9 108.9#



Abundance Ion 139.00 (138.70 to 139.70): E
Ion 109.00 (108.70 to 109.70): E
Ion 65.00 (64.70 to 65.70): BF1





#57

2,4-Dinitrotoluene

Concen: 6.022 ng

RT: 9.91 min Scan# 1330

Delta R.T. -0.20 min

Lab File: BF115634.D

Acq: 17 Jul 2019 20:45

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Tgt Ion:165 Resp: 38430

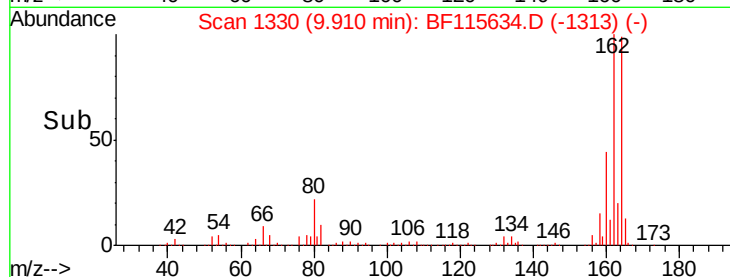
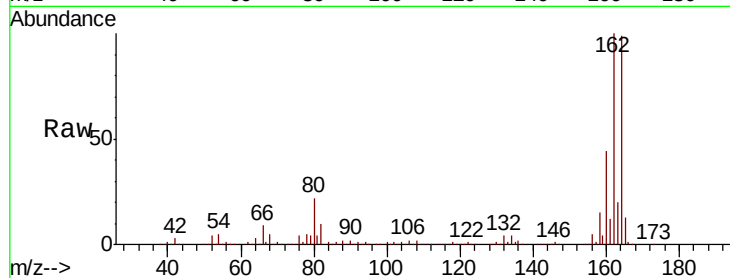
Ion Ratio Lower Upper

165 100

63 1.0 34.9 52.3#

89 1.3 57.5 86.3#

182 0.0 2.2 3.4#

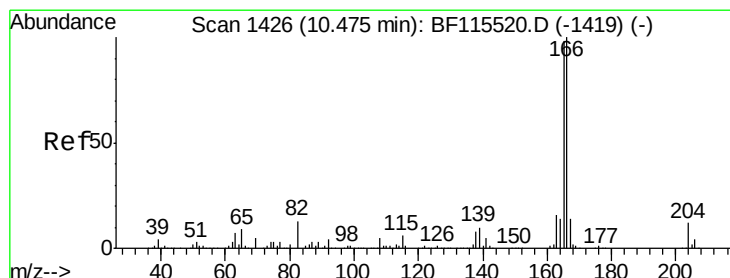
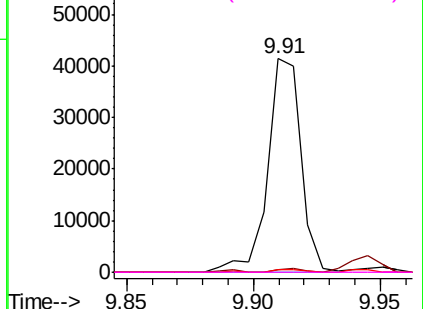


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF1

Ion 89.00 (88.70 to 89.70): BF1

Ion 182.00 (181.70 to 182.70): E



#58

Fluorene

Concen: 2.238 ng

RT: 10.46 min Scan# 1423

Delta R.T. -0.02 min

Lab File: BF115634.D

Acq: 17 Jul 2019 20:45

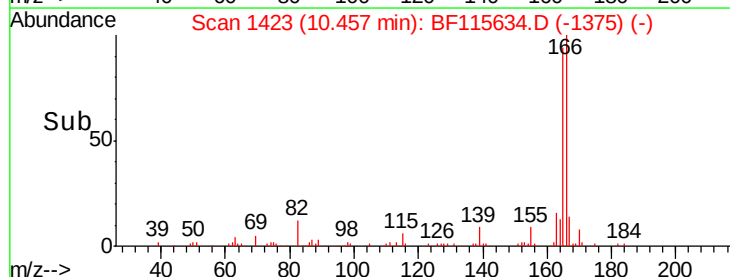
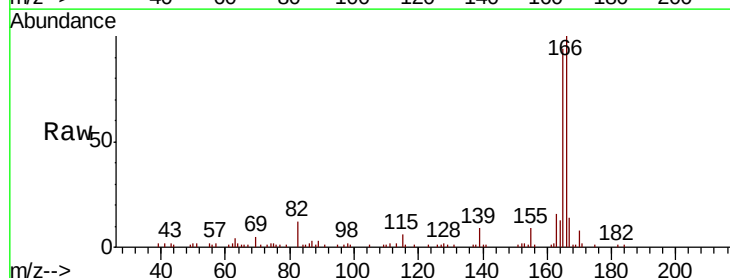
Tgt Ion:166 Resp: 40754

Ion Ratio Lower Upper

166 100

165 94.3 79.8 119.6

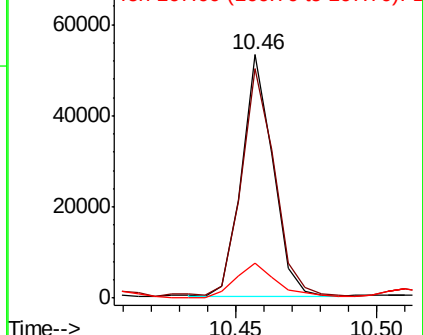
167 14.3 11.2 16.8

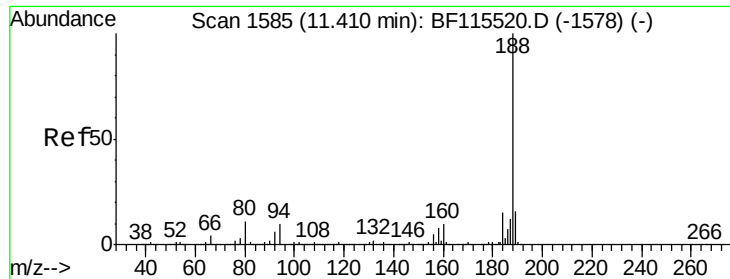


Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E

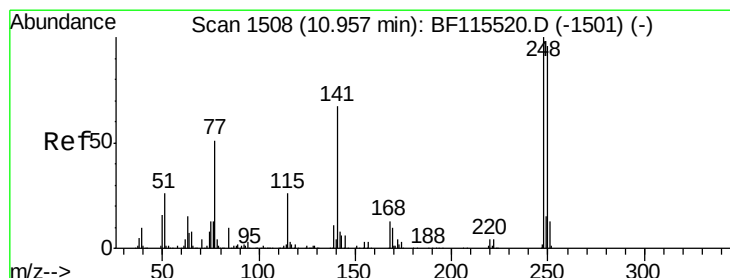
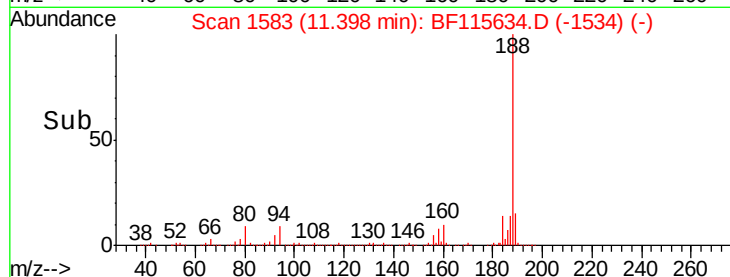
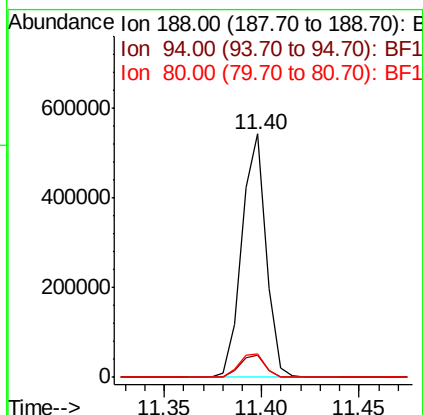
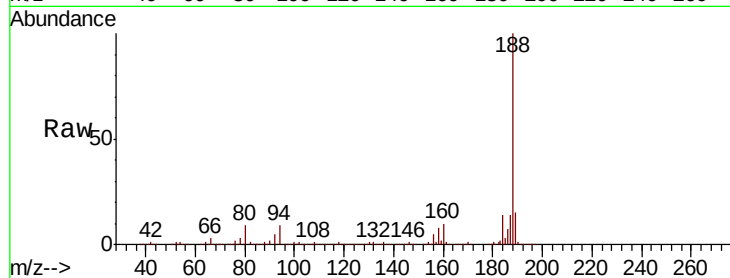




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.40 min Scan# 1583
Delta R.T. -0.01 min
Lab File: BF115634.D
Acq: 17 Jul 2019 20:45

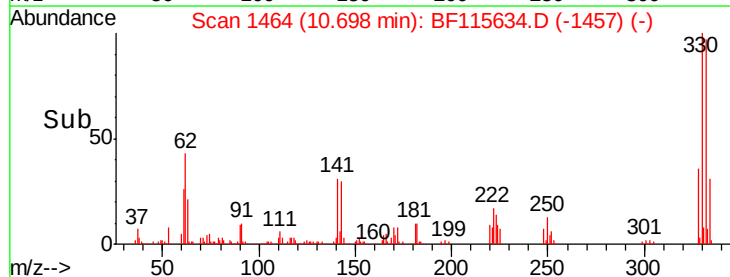
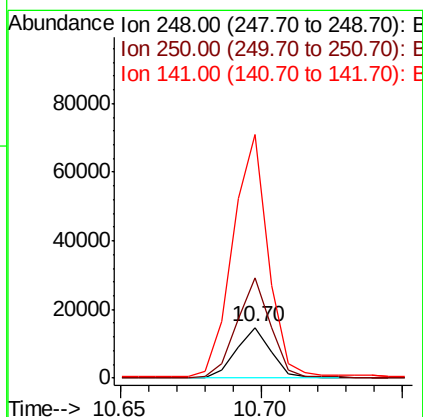
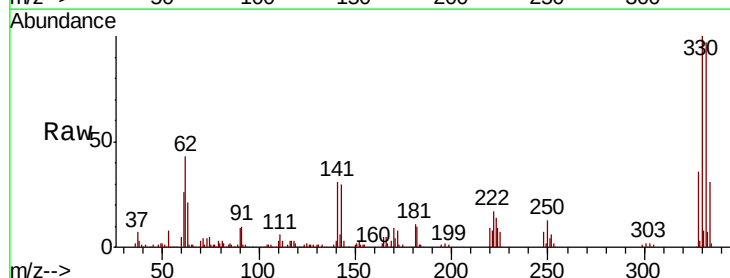
Instrument :
BNA_F
ClientSampleId :
COMP-3_071619

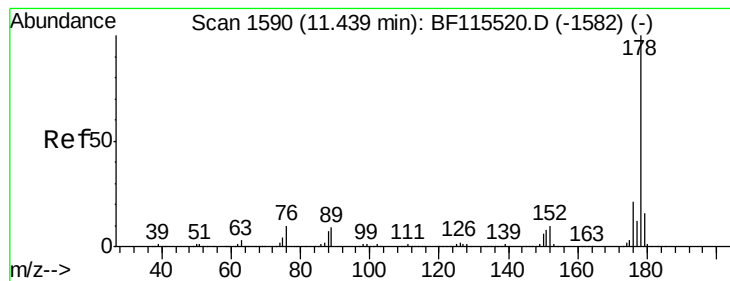
Tgt Ion:188 Resp: 467264
Ion Ratio Lower Upper
188 100
94 9.1 7.8 11.6
80 9.5 8.6 13.0



#67
4-Bromophenyl-phenylether
Concen: 2.336 ng
RT: 10.70 min Scan# 1464
Delta R.T. -0.26 min
Lab File: BF115634.D
Acq: 17 Jul 2019 20:45

Tgt Ion:248 Resp: 12475
Ion Ratio Lower Upper
248 100
250 197.9 78.0 117.0#
141 483.0 57.7 86.5#





#71

Phenanthrene

Concen: 17.861 ng

RT: 11.42 min Scan# 1587

Delta R.T. -0.02 min

Lab File: BF115634.D

Acq: 17 Jul 2019 20:45

Instrument :

BNA_F

ClientSampleId :

COMP-3_071619

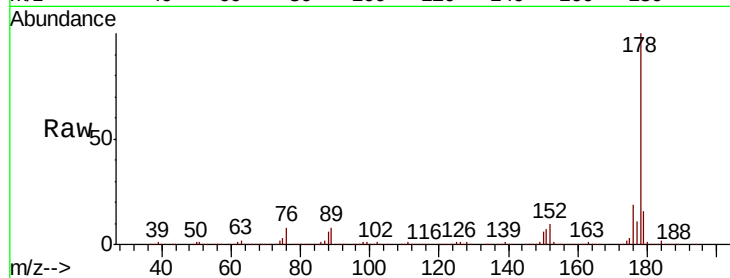
Tgt Ion:178 Resp: 427805

Ion Ratio Lower Upper

178 100

176 19.4 17.2 25.8

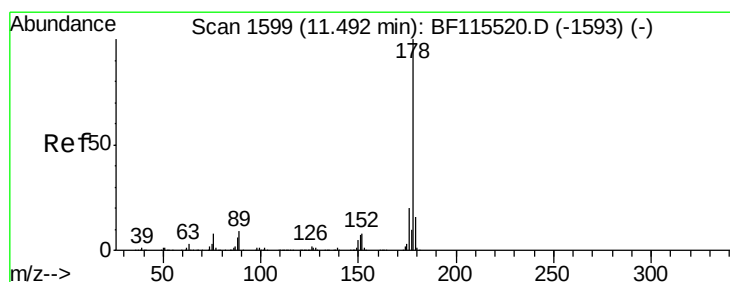
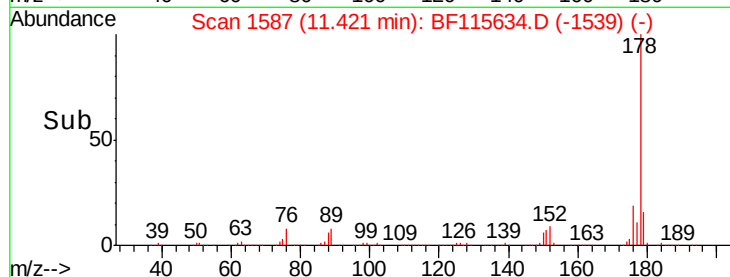
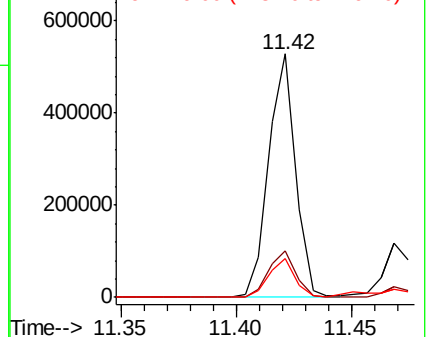
179 15.7 13.5 20.3



Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



#72

Anthracene

Concen: 3.775 ng

RT: 11.47 min Scan# 1595

Delta R.T. -0.02 min

Lab File: BF115634.D

Acq: 17 Jul 2019 20:45

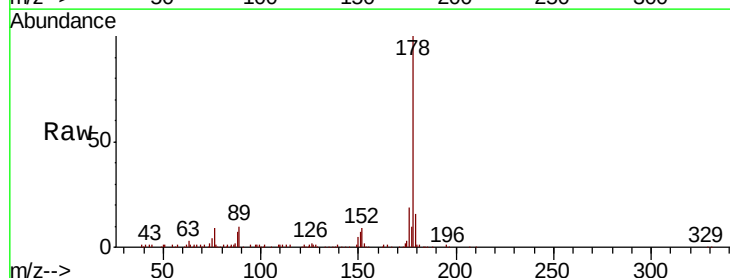
Tgt Ion:178 Resp: 93453

Ion Ratio Lower Upper

178 100

176 18.8 15.9 23.9

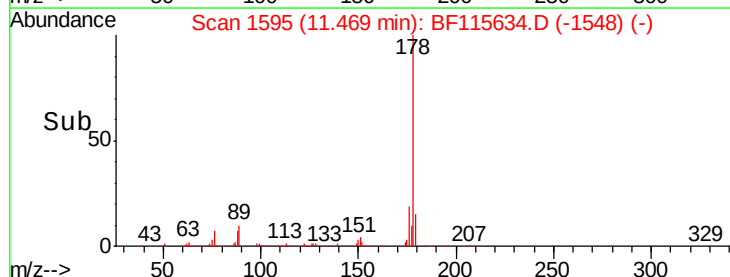
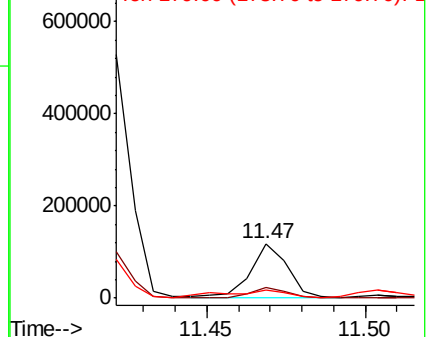
179 15.7 12.7 19.1

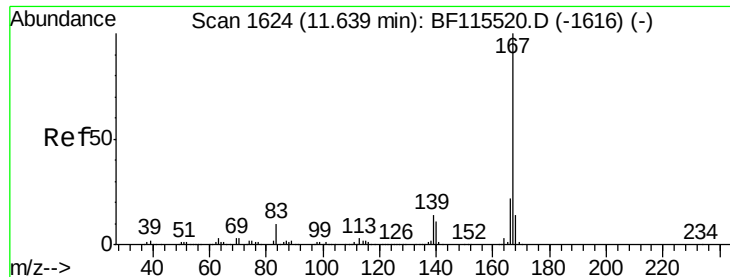


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E

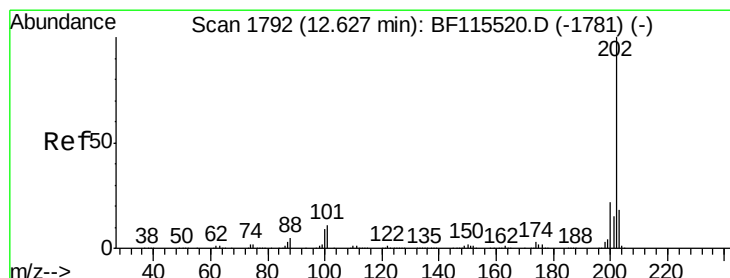
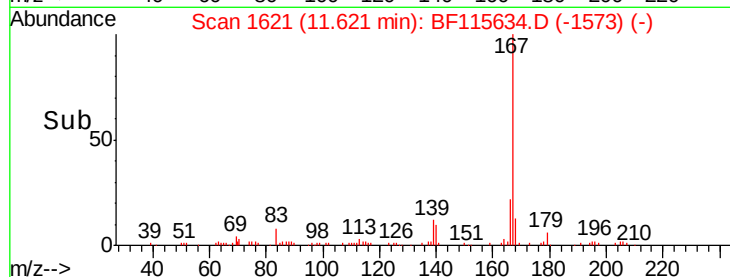
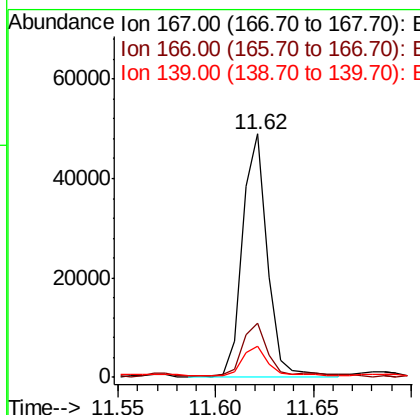
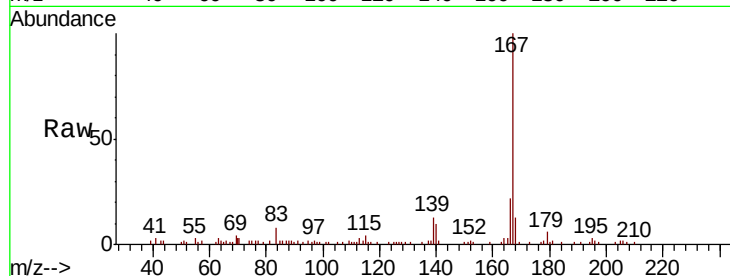




#73
 Carbazole
 Concen: 2.015 ng
 RT: 11.62 min Scan# 1621
 Delta R.T. -0.02 min
 Lab File: BF115634.D
 Acq: 17 Jul 2019 20:45

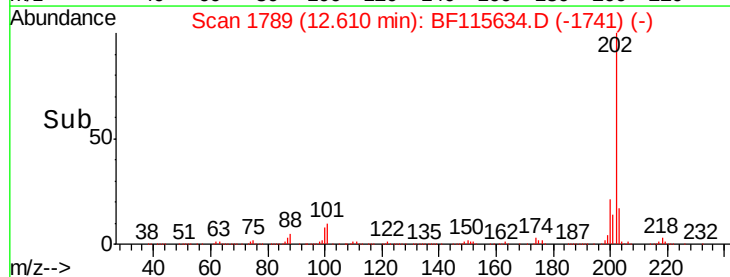
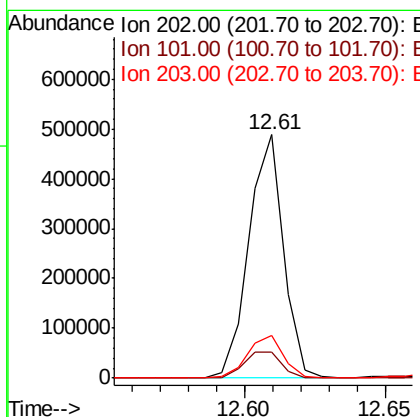
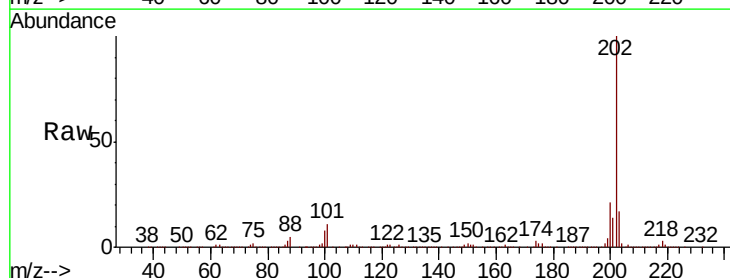
Instrument :
 BNA_F
 ClientSampleId :
 COMP-3_071619

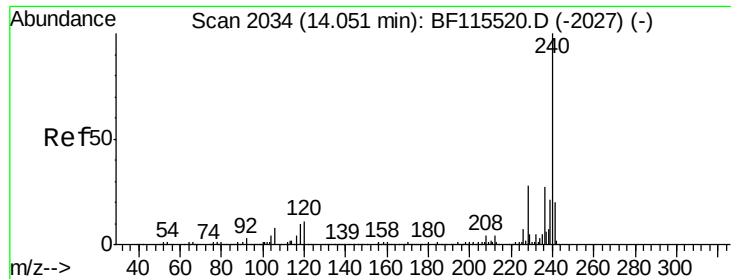
Tgt Ion:167 Resp: 43735
 Ion Ratio Lower Upper
 167 100
 166 22.2 18.1 27.1
 139 12.7 11.3 16.9



#75
 Fluoranthene
 Concen: 16.341 ng
 RT: 12.61 min Scan# 1789
 Delta R.T. -0.02 min
 Lab File: BF115634.D
 Acq: 17 Jul 2019 20:45

Tgt Ion:202 Resp: 413594
 Ion Ratio Lower Upper
 202 100
 101 10.5 0.0 31.4
 203 17.3 0.0 38.1

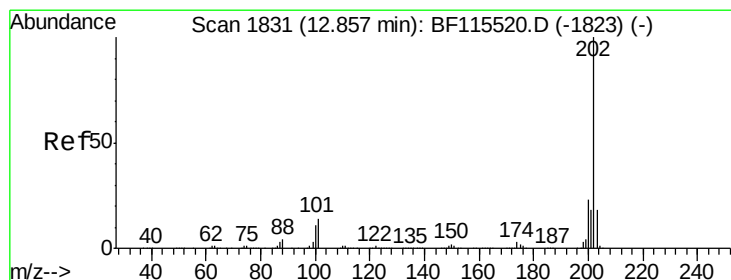
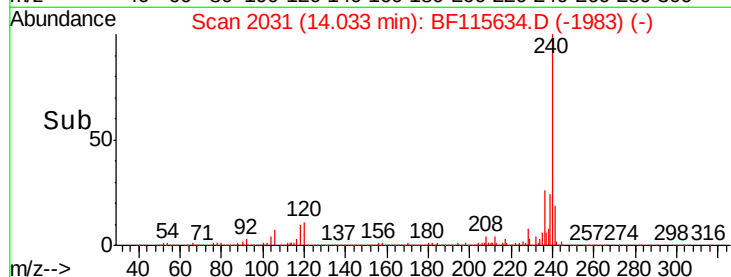
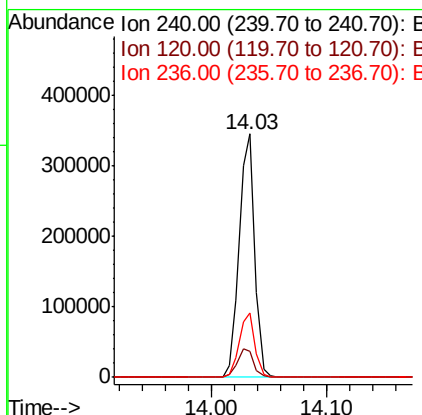
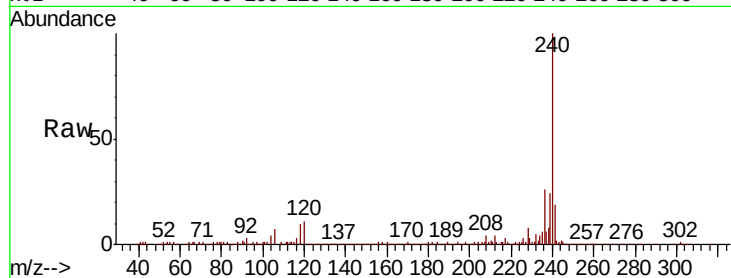




#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.03 min Scan# 2031
Delta R.T. -0.02 min
Lab File: BF115634.D
Acq: 17 Jul 2019 20:45

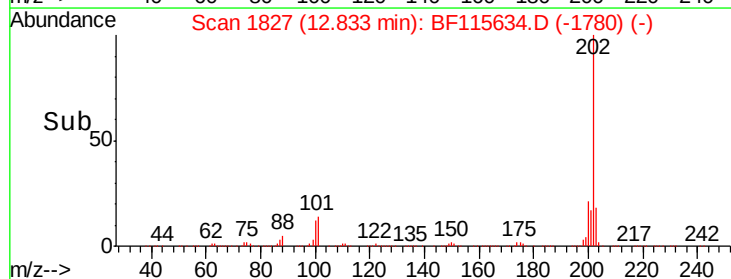
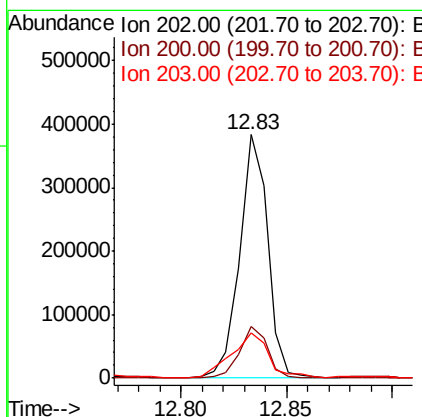
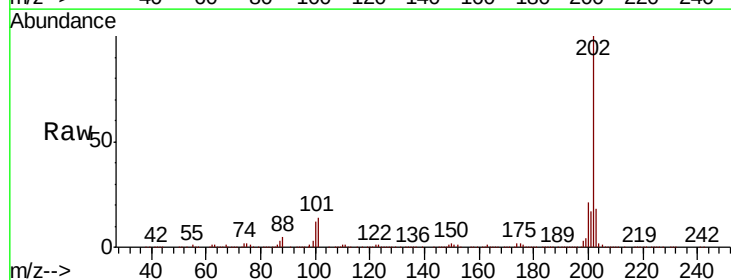
Instrument :
BNA_F
ClientSampleId :
COMP-3_071619

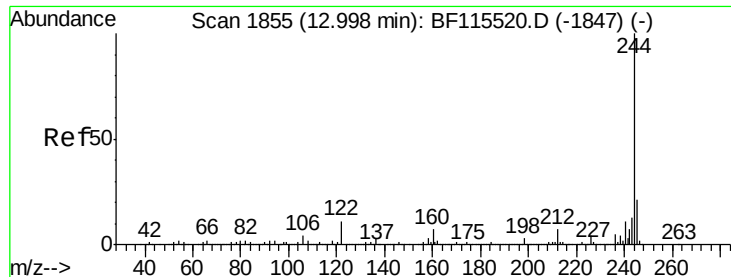
Tgt Ion	Ratio	Lower	Upper
240	100		
120	10.7	8.6	13.0
236	26.2	21.3	31.9



#78
Pyrene
Concen: 12.868 ng
RT: 12.83 min Scan# 1827
Delta R.T. -0.02 min
Lab File: BF115634.D
Acq: 17 Jul 2019 20:45

Tgt Ion	Ratio	Lower	Upper
202	100		
200	21.3	18.7	28.1
203	18.4	15.2	22.8





#79

Terphenyl-d14

Concen: 43.005 ng

RT: 12.97 min Scan# 1851

Delta R.T. -0.02 min

Lab File: BF115634.D

Acq: 17 Jul 2019 20:45

Instrument :

BNA_F

ClientSampleId :

COMP-3_071619

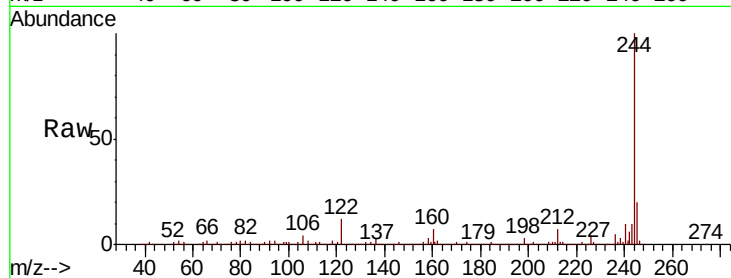
Tgt Ion:244 Resp: 750353

Ion Ratio Lower Upper

244 100

212 6.7 6.0 9.0

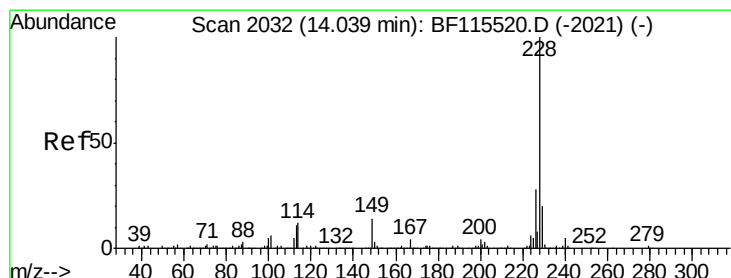
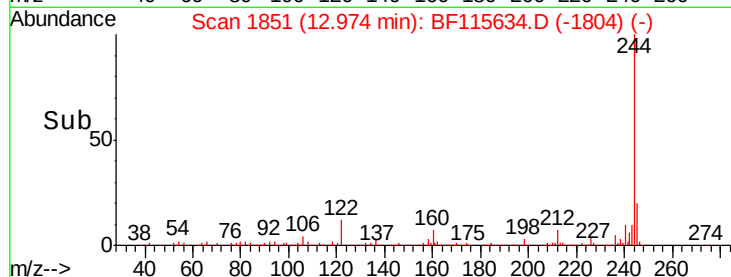
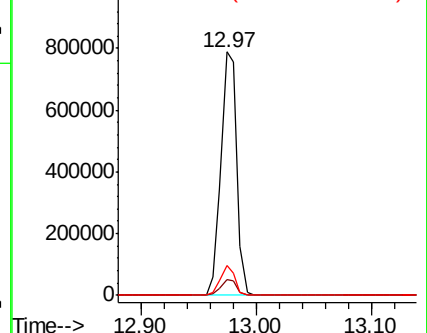
122 12.2 8.6 12.8



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: 9.084 ng

RT: 14.02 min Scan# 2029

Delta R.T. -0.02 min

Lab File: BF115634.D

Acq: 17 Jul 2019 20:45

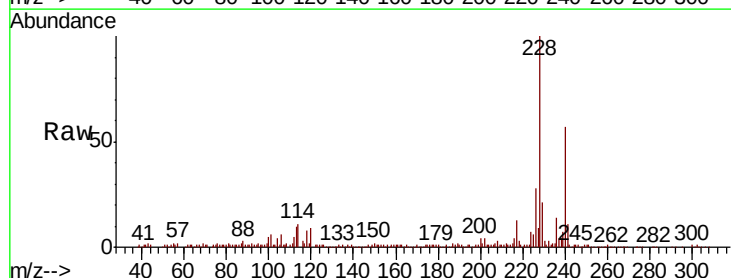
Tgt Ion:228 Resp: 192668

Ion Ratio Lower Upper

228 100

226 28.0 23.4 35.0

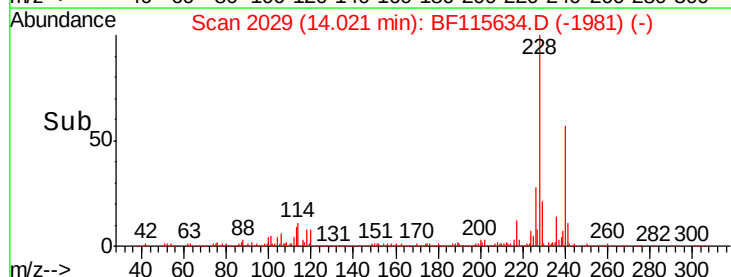
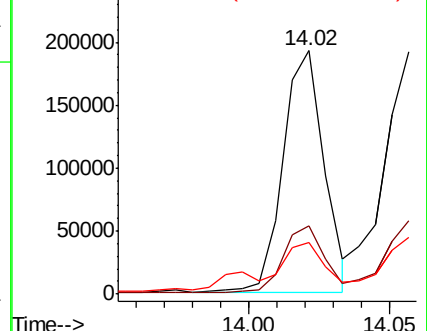
229 21.5 17.2 25.8

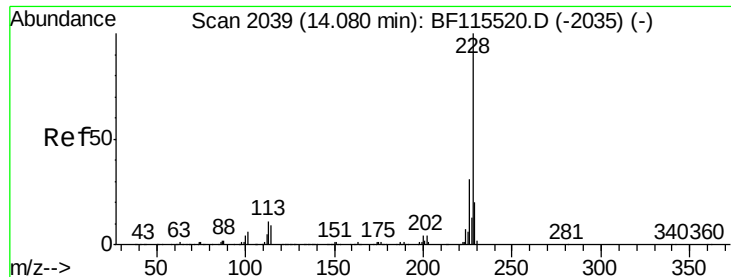


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#83

Chrysene

Concen: 8.404 ng

RT: 14.06 min Scan# 2035

Delta R.T. -0.02 min

Lab File: BF115634.D

Acq: 17 Jul 2019 20:45

Instrument :

BNA_F

ClientSampleId :

COMP-3_071619

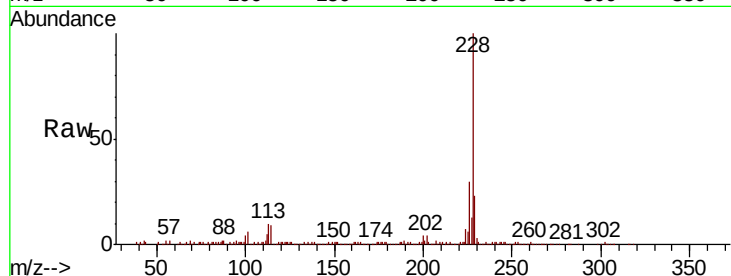
Tgt Ion: 228 Resp: 178927

Ion Ratio Lower Upper

228 100

226 30.2 25.7 38.5

229 23.2 16.6 25.0

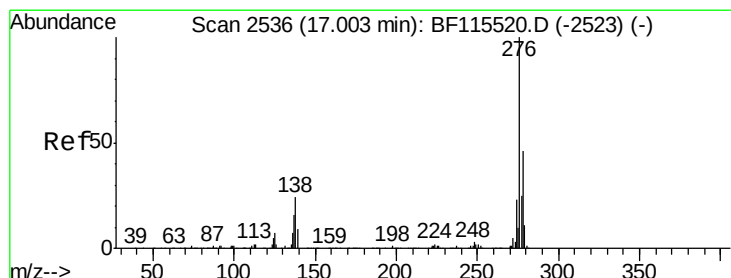
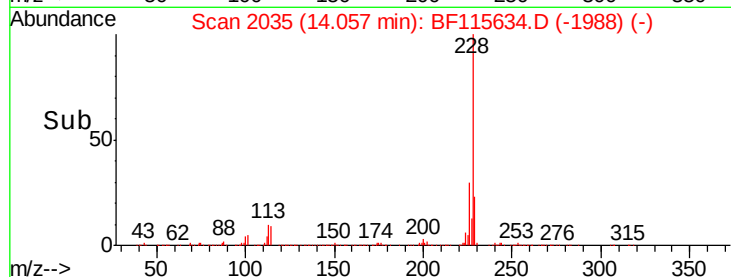
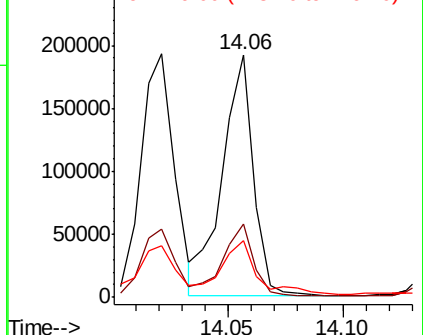


Abundance

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: 2.863 ng

RT: 16.96 min Scan# 2528

Delta R.T. -0.05 min

Lab File: BF115634.D

Acq: 17 Jul 2019 20:45

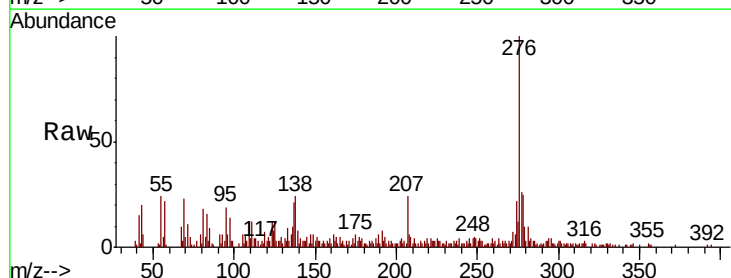
Tgt Ion: 276 Resp: 51791

Ion Ratio Lower Upper

276 100

138 22.7 20.2 30.2

277 23.8 20.4 30.6

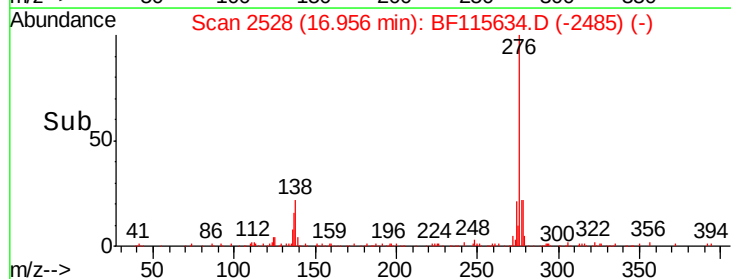
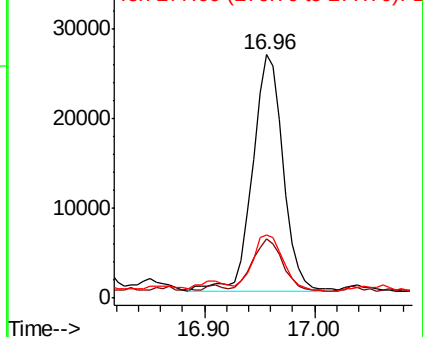


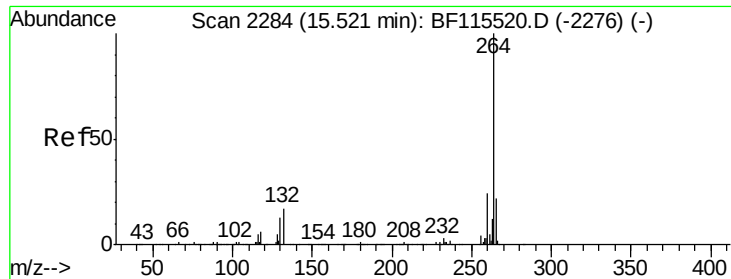
Abundance

Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E

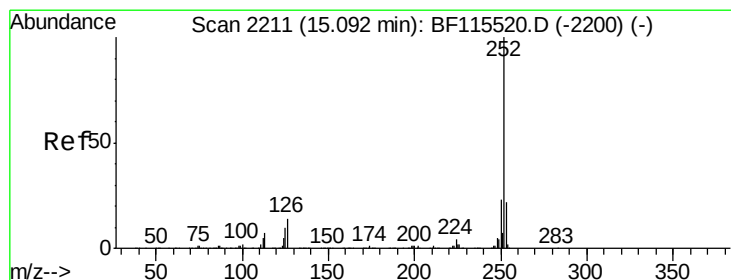
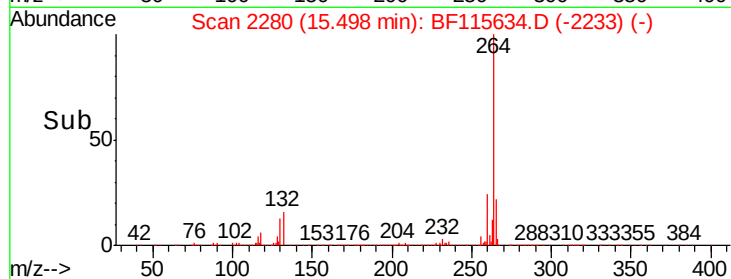
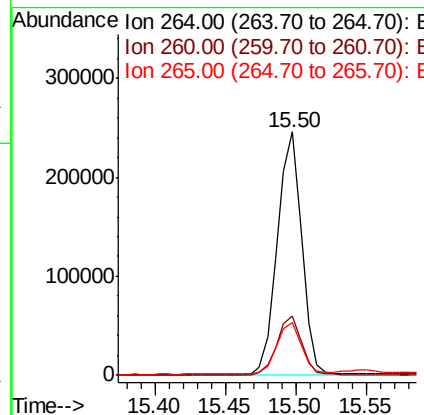
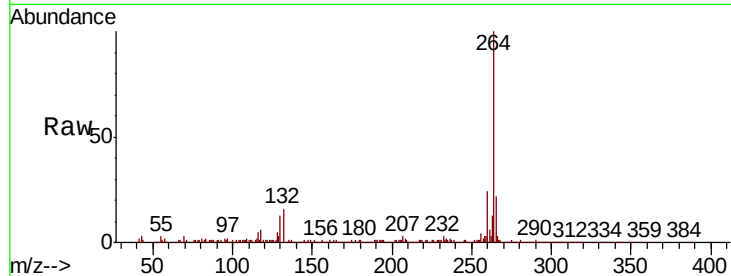




#87
Perylene-d12
Concen: 20.000 ng
RT: 15.50 min Scan# 2280
Delta R.T. -0.02 min
Lab File: BF115634.D
Acq: 17 Jul 2019 20:45

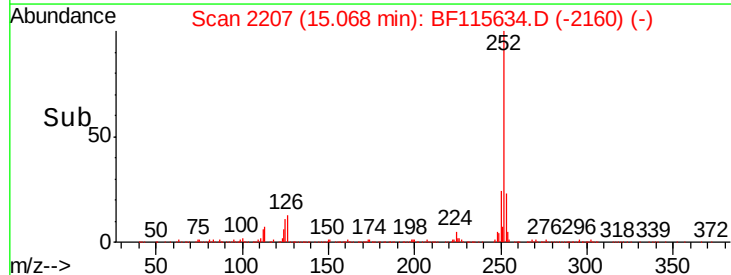
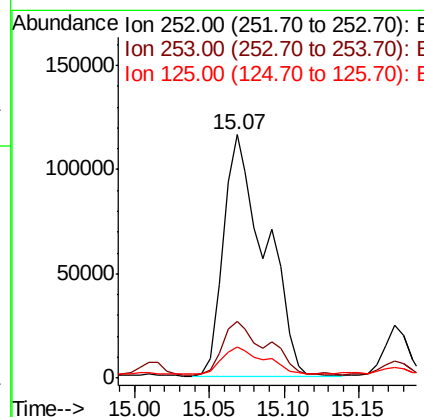
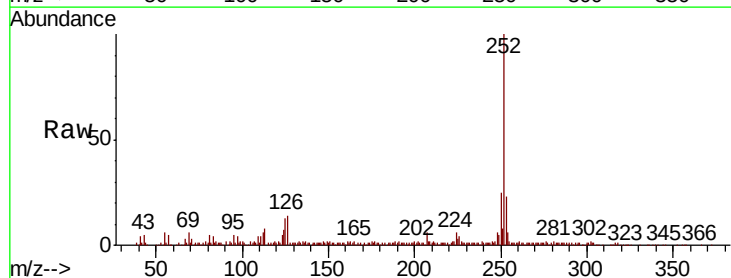
Instrument :
BNA_F
ClientSampleId :
COMP-3_071619

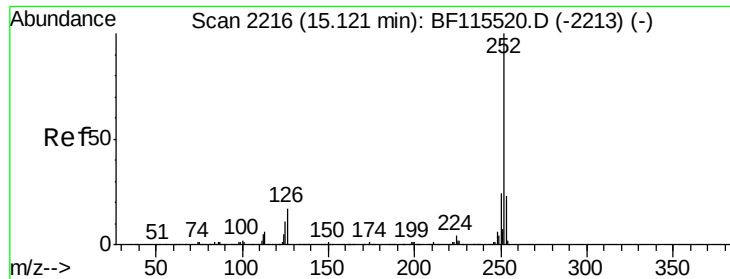
Tgt Ion	Ratio	Lower	Upper
264	100		
260	24.2	19.8	29.8
265	21.9	17.7	26.5



#88
Benzo(b)fluoranthene
Concen: 11.796 ng
RT: 15.07 min Scan# 2207
Delta R.T. -0.02 min
Lab File: BF115634.D
Acq: 17 Jul 2019 20:45

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.3	18.1	27.1
125	12.9	9.0	13.4

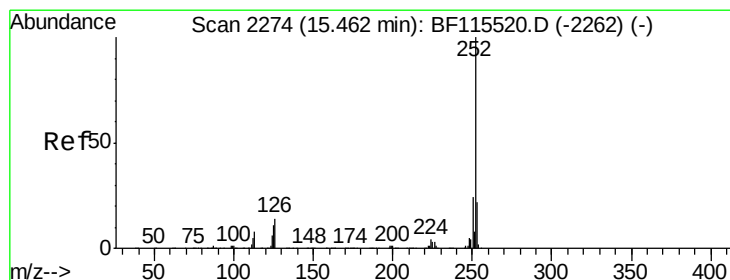
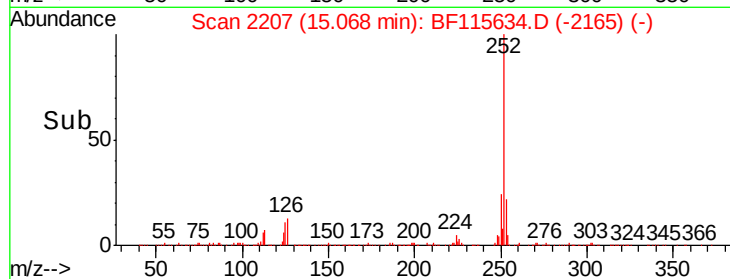
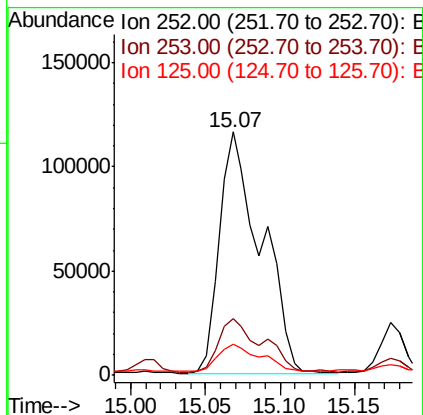
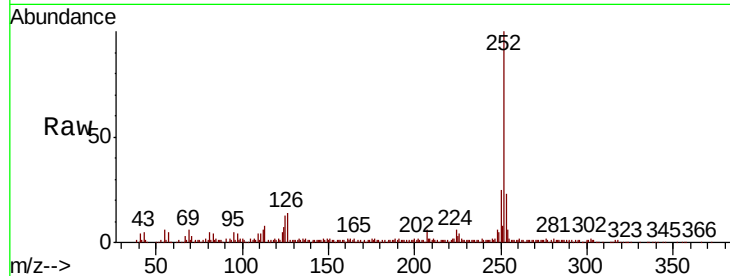




#89
Benzo(k)fluoranthene
Concen: 13.231 ng
RT: 15.07 min Scan# 2207
Delta R.T. -0.05 min
Lab File: BF115634.D
Acq: 17 Jul 2019 20:45

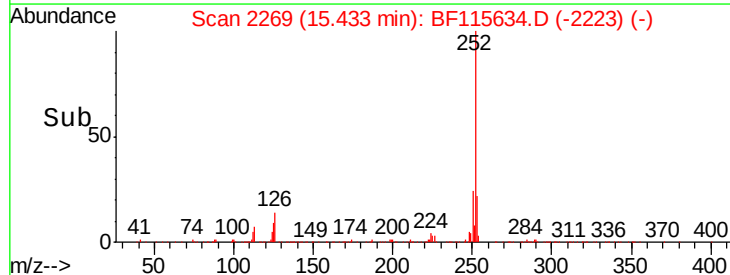
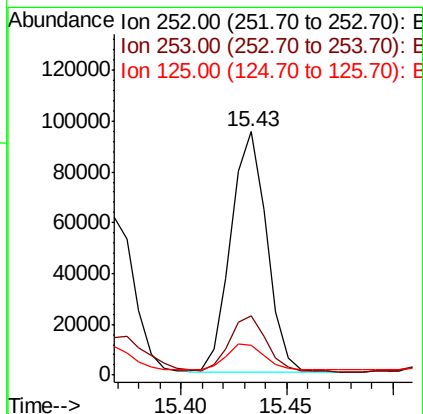
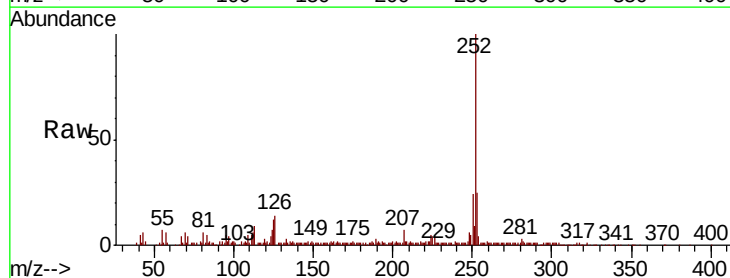
Instrument :
BNA_F
ClientSampleId :
COMP-3_071619

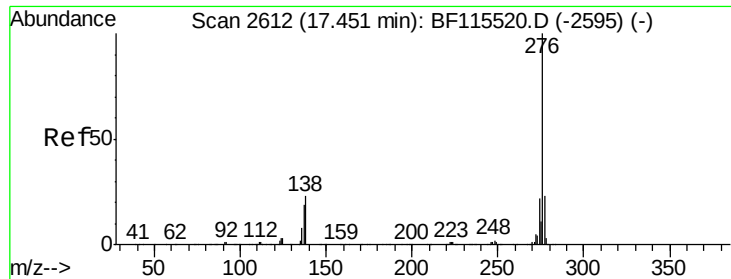
Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.3	18.6	28.0
125	12.9	9.0	13.6



#90
Benzo(a)pyrene
Concen: 6.822 ng
RT: 15.43 min Scan# 2269
Delta R.T. -0.03 min
Lab File: BF115634.D
Acq: 17 Jul 2019 20:45

Tgt Ion	Ratio	Lower	Upper
252	100		
253	24.6	17.8	26.6
125	12.1	9.1	13.7





#92

Benzo(g,h,i)perylene

Concen: 2.895 ng

RT: 17.40 min Scan# 2604

Delta R.T. -0.05 min

Lab File: BF115634.D

Acq: 17 Jul 2019 20:45

Instrument :

BNA_F

ClientSampleId :

COMP-3_071619

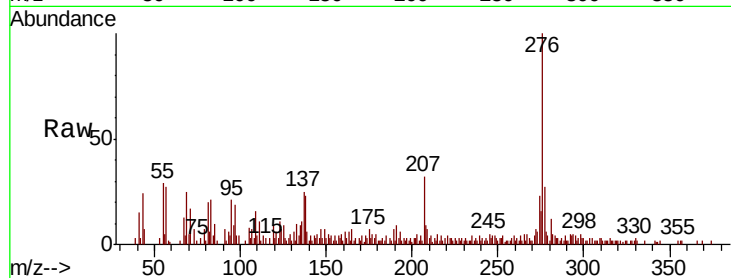
Tgt Ion: 276 Resp: 41844

Ion Ratio Lower Upper

276 100

277 27.1 19.0 28.4

138 22.9 17.2 25.8



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

