

Data File : BF115662.D
Acq On : 18 Jul 2019 23:39
Operator : HP/JU
Sample : K3874-01 2X
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
HJDC-GRABA

Quant Time: Jul 19 07:42:50 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	6.89	152	137339	20.00	ng	0.00
21) Naphthalene-d8	8.16	136	512722	20.00	ng	0.00
39) Acenaphthene-d10	9.92	164	221266	20.00	ng	-0.01
64) Phenanthrene-d10	11.40	188	373450	20.00	ng	-0.01
76) Chrysene-d12	14.03	240	321390	20.00	ng	-0.02
87) Perylene-d12	15.50	264	279318	20.00	ng	-0.02

System Monitoring Compounds						
5) 2-Fluorophenol	5.51	112	785626	93.57	ng	0.00
7) Phenol-d6	6.52	99	987173	92.66	ng	0.00
23) Nitrobenzene-d5	7.44	82	604945	68.61	ng	-0.01
42) 2,4,6-Tribromophenol	10.70	330	218159	84.47	ng	-0.01
45) 2-Fluorobiphenyl	9.24	172	956268	75.64	ng	-0.01
79) Terphenyl-d14	12.98	244	849278	48.76	ng	-0.02

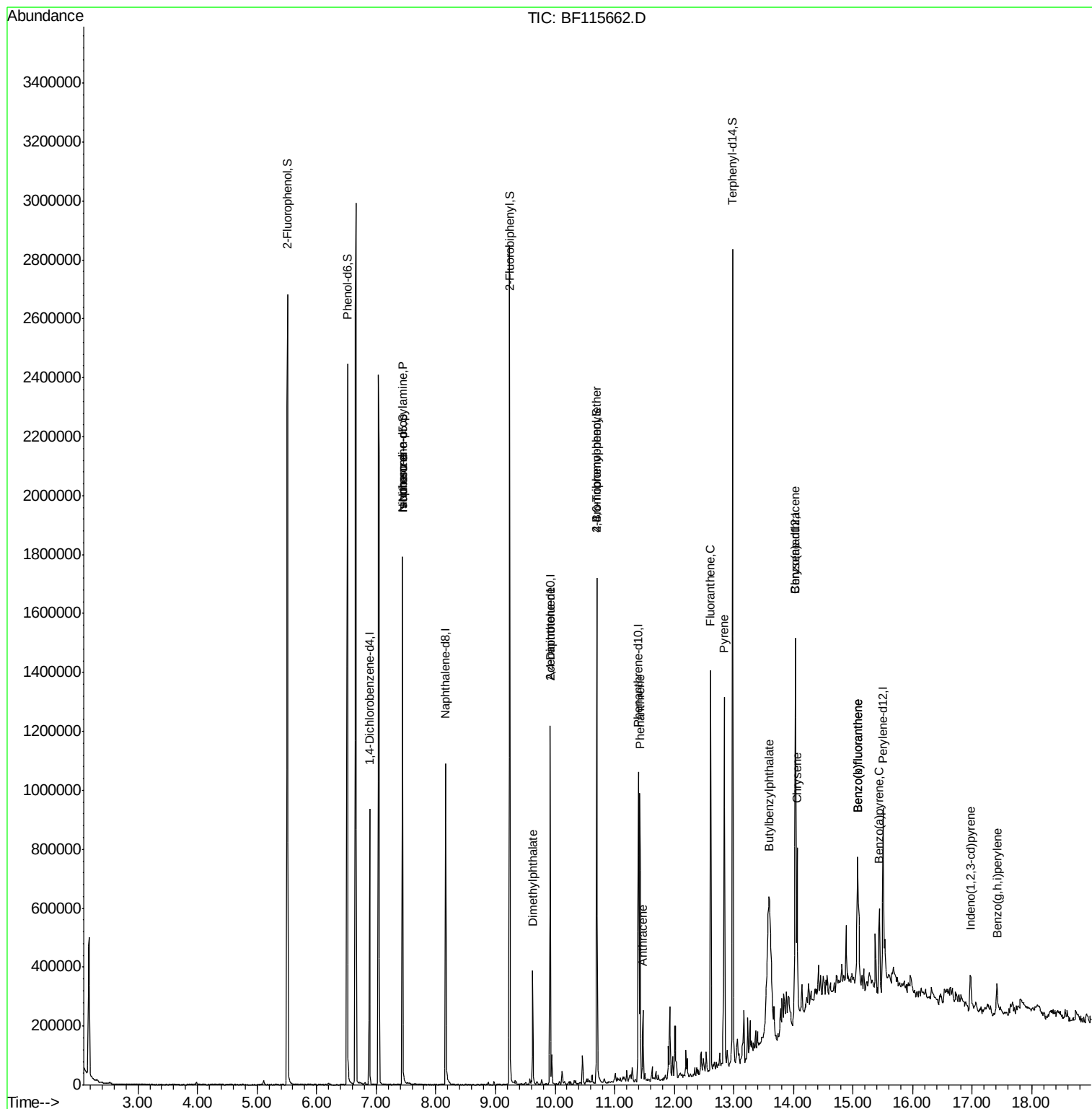
Target Compounds				Qvalue		
19) n-Nitroso-di-n-propylamine	7.44	70	79514	11.444	ng	# 78
25) Isophorone	7.44	82	601839	34.109	ng	# 64
50) Dimethylphthalate	9.63	163	171052	10.275	ng	97
57) 2,4-Dinitrotoluene	9.92	165	29221	5.962	ng	# 24
67) 4-Bromophenyl-phenylether	10.70	248	13270	3.109	ng	# 1
71) Phenanthrene	11.42	178	341258	17.827	ng	97
72) Anthracene	11.47	178	84939	4.293	ng	97
75) Fluoranthene	12.61	202	542716	26.829	ng	98
78) Pyrene	12.84	202	489649	17.982	ng	97
80) Butylbenzylphthalate	13.59	149	26479	2.281	ng	# 74
81) Benzo(a)anthracene	14.03	228	252466	11.924	ng	99
83) Chrysene	14.06	228	233621	10.991	ng	97
86) Indeno(1,2,3-cd)pyrene	16.97	276	80032	4.432	ng	94
88) Benzo(b)fluoranthene	15.07	252	317489	17.652	ng	98
89) Benzo(k)fluoranthene	15.07	252	317489	19.799	ng	98
90) Benzo(a)pyrene	15.44	252	145832	9.434	ng	97
92) Benzo(g,h,i)perylene	17.42	276	71730	5.300	ng	# 94

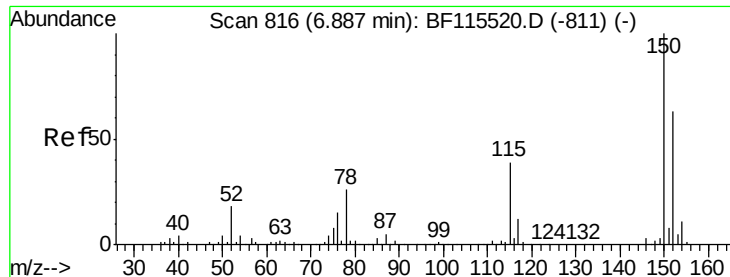
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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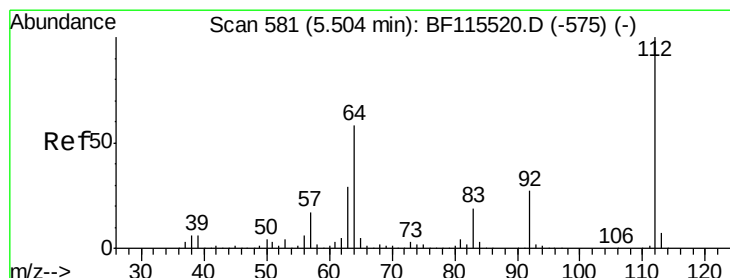
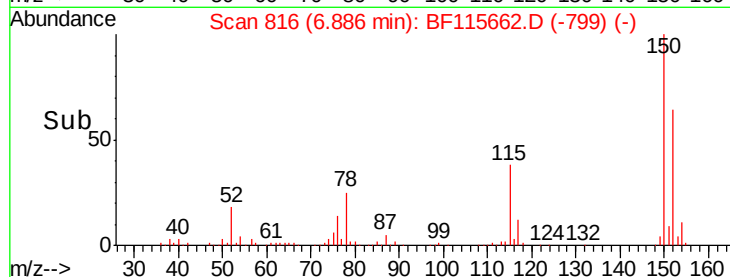
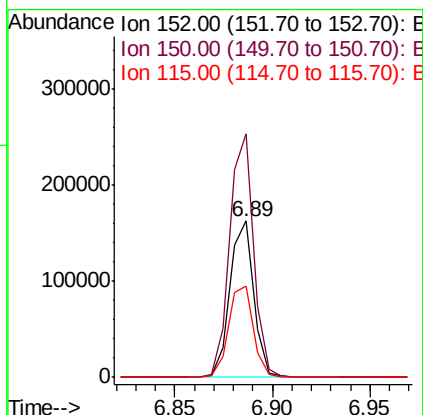
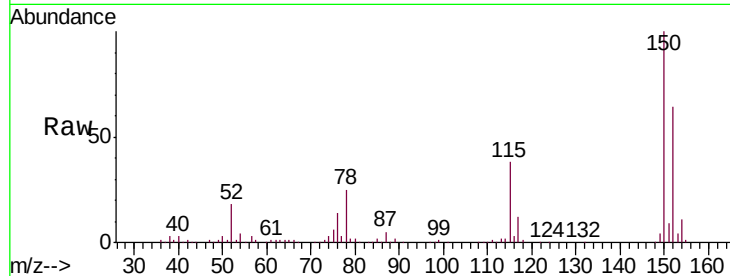


#1

1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.89 min Scan# 816
 Delta R.T. -0.00 min
 Lab File: BF115662.D
 Acq: 18 Jul 2019 23:39

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 ClientSampleId :
 HJDC-GRABA

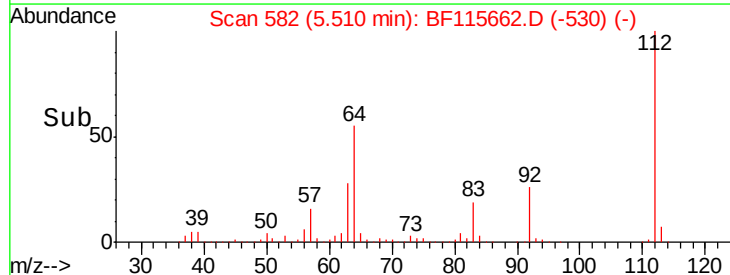
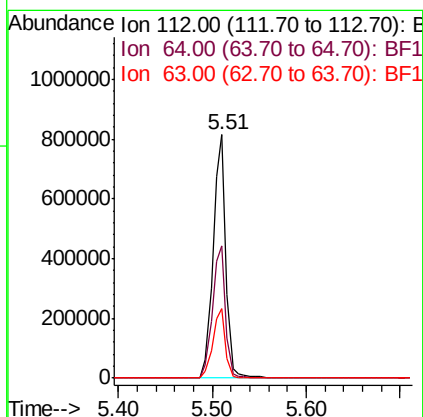
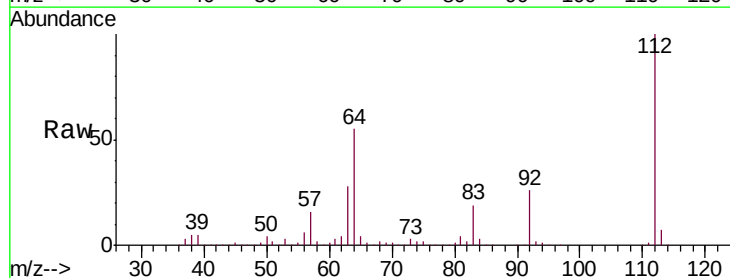
Tgt Ion:152 Resp: 137339
 Ion Ratio Lower Upper
 152 100
 150 156.1 129.7 194.5
 115 58.7 48.2 72.4

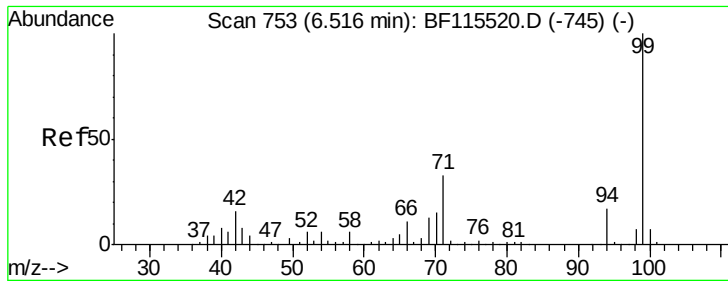


#5

2-Fluorophenol
 Concen: 93.568 ng
 RT: 5.51 min Scan# 582
 Delta R.T. 0.01 min
 Lab File: BF115662.D
 Acq: 18 Jul 2019 23:39

Tgt Ion:112 Resp: 785626
 Ion Ratio Lower Upper
 112 100
 64 54.5 46.8 70.2
 63 28.3 24.1 36.1





#7

Phenol-d6

Concen: 92.658 ng

RT: 6.52 min Scan# 753

Delta R.T. -0.00 min

Lab File: BF115662.D

Acq: 18 Jul 2019 23:39

Instrument :

BNA_F

ClientSampleId :

HJDC-GRABA

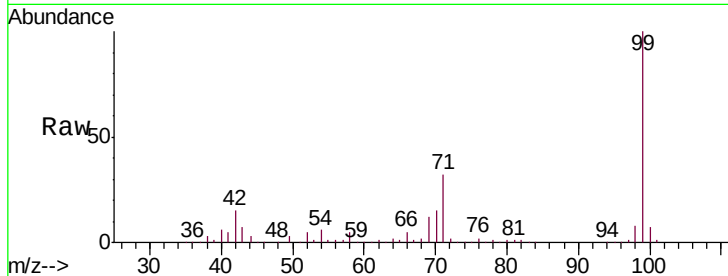
Tgt Ion: 99 Resp: 987173

Ion Ratio Lower Upper

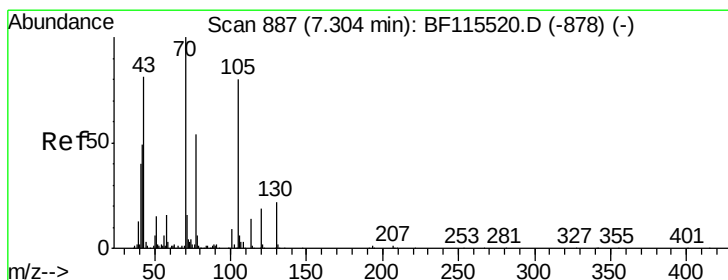
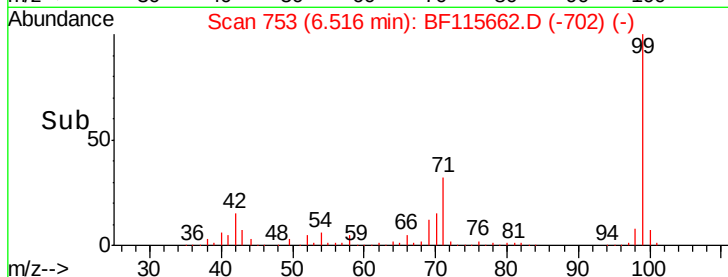
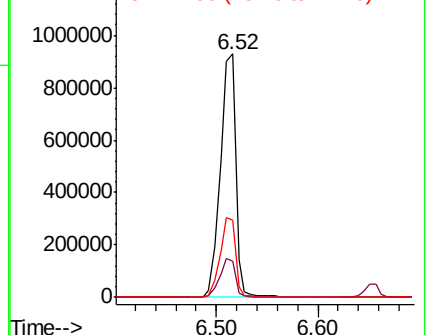
99 100

42 15.1 13.6 20.4

71 31.9 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: 11.444 ng

RT: 7.44 min Scan# 910

Delta R.T. 0.14 min

Lab File: BF115662.D

Acq: 18 Jul 2019 23:39

Tgt Ion: 70 Resp: 79514

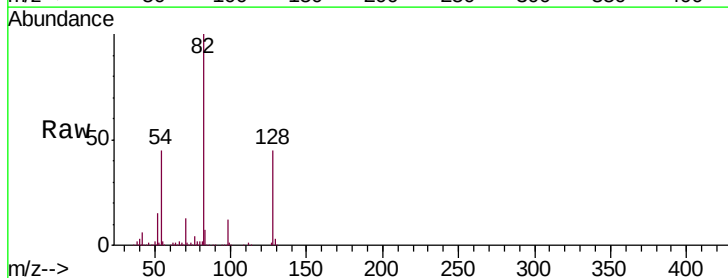
Ion Ratio Lower Upper

70 100

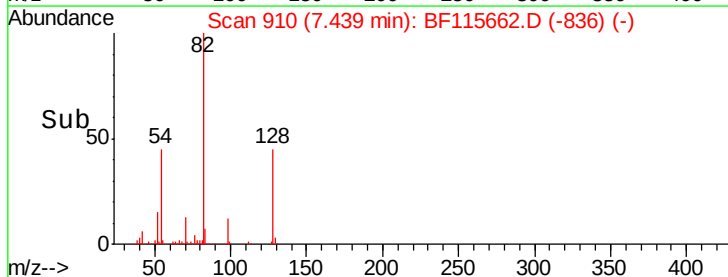
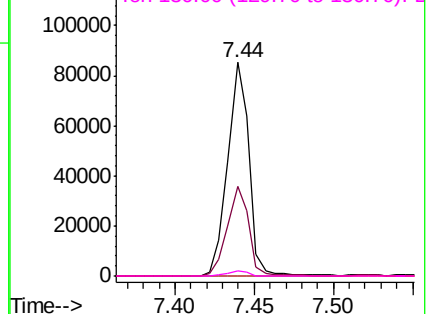
42 41.9 39.6 59.4

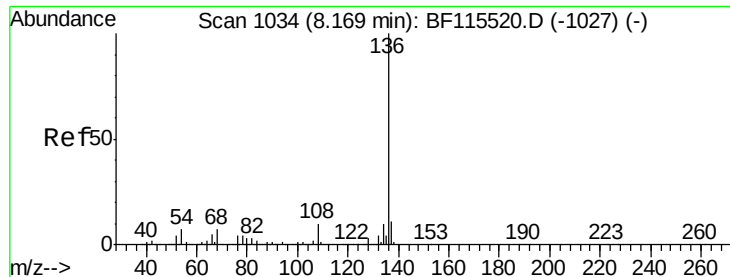
101 0.0 8.1 12.1#

130 2.5 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

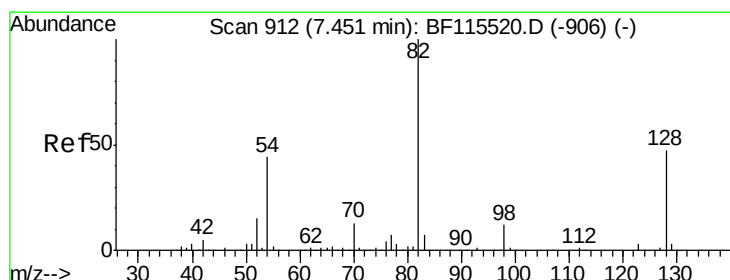
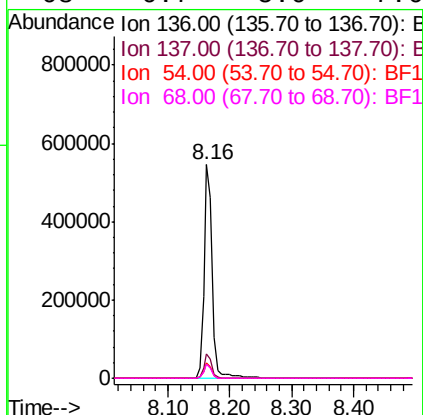
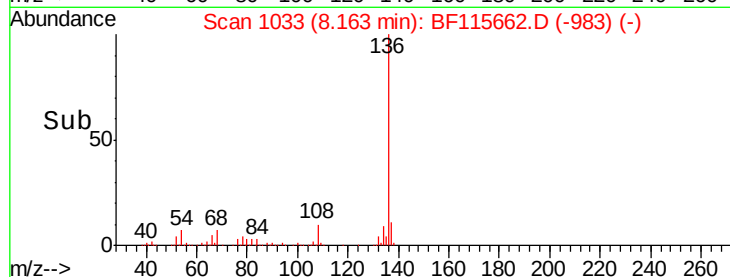
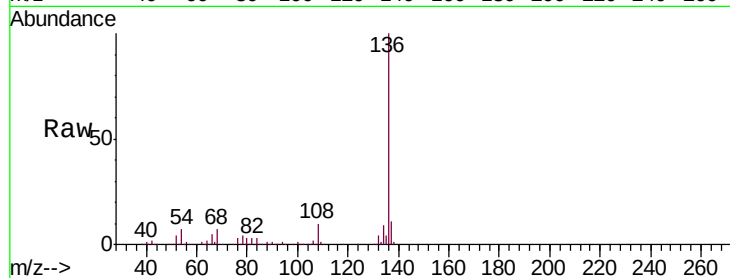




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.16 min Scan# 1033
Delta R.T. -0.01 min
Lab File: BF115662.D
Acq: 18 Jul 2019 23:39

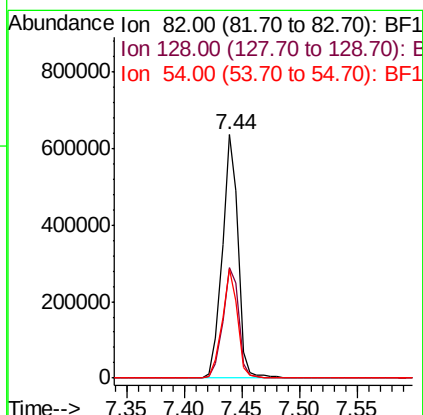
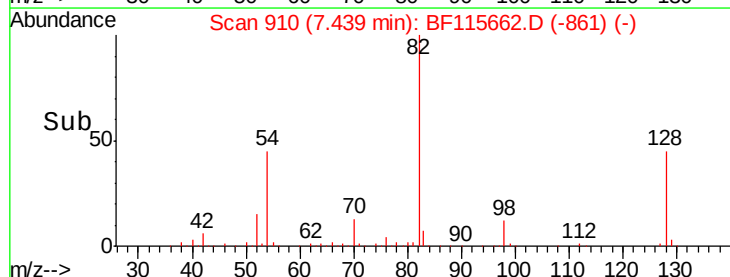
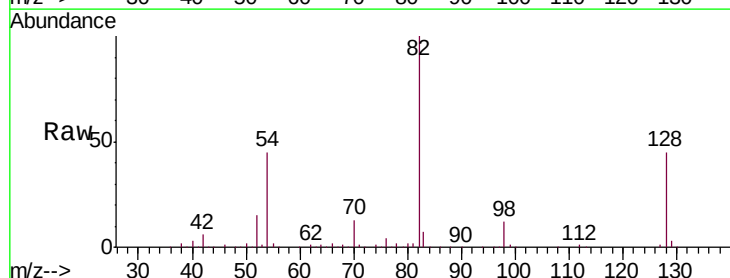
Instrument :
BNA_F
ClientSampleId :
HJDC-GRABA

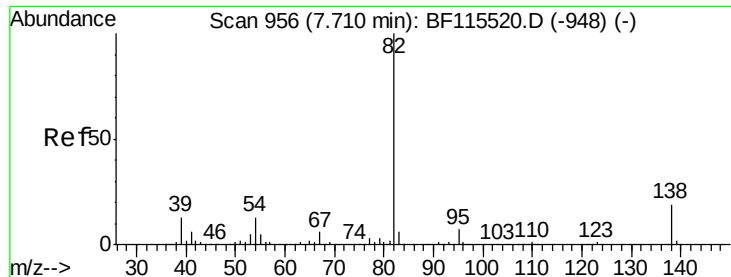
Tgt Ion:	136	Resp:	512722
Ion	Ratio	Lower	Upper
136	100		
137	11.4	9.0	13.4
54	7.2	5.6	8.4
68	6.7	5.0	7.6



#23
Nitrobenzene-d5
Concen: 68.605 ng
RT: 7.44 min Scan# 910
Delta R.T. -0.01 min
Lab File: BF115662.D
Acq: 18 Jul 2019 23:39

Tgt Ion:	82	Resp:	604945
Ion	Ratio	Lower	Upper
82	100		
128	45.2	38.6	57.8
54	44.8	35.6	53.4





#25

Isophorone

Concen: 34.109 ng

RT: 7.44 min Scan# 910

Delta R.T. -0.27 min

Lab File: BF115662.D

Acq: 18 Jul 2019 23:39

Instrument :

BNA_F

ClientSampleId :

HJDC-GRABA

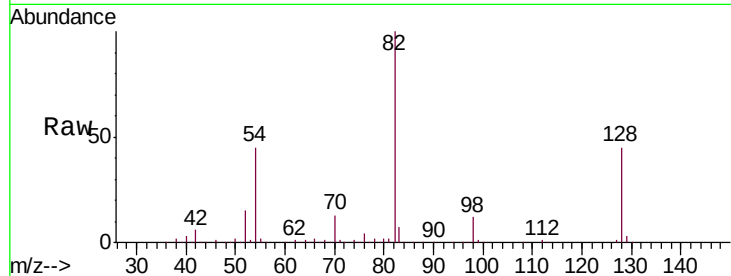
Tgt Ion: 82 Resp: 601839

Ion Ratio Lower Upper

82 100

95 0.0 5.5 8.3#

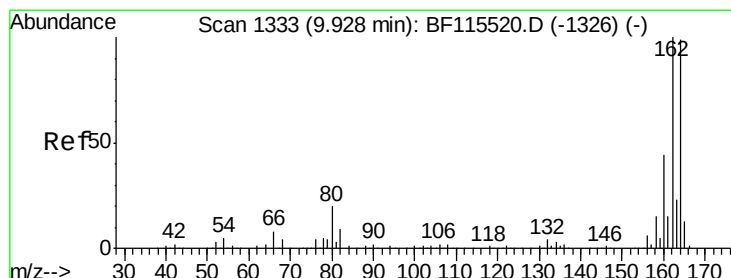
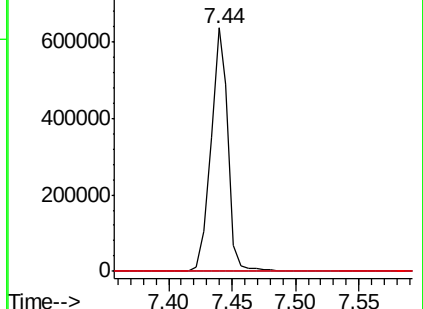
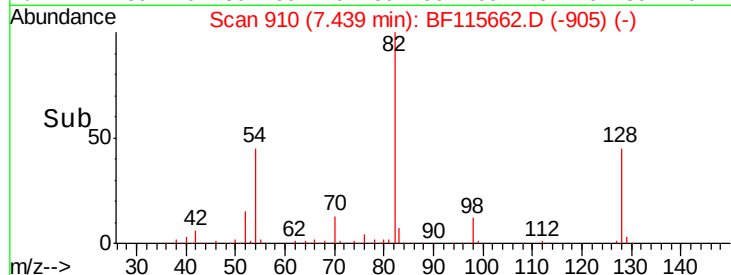
138 0.0 14.9 22.3#



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: BF115662.D

Acq: 18 Jul 2019 23:39

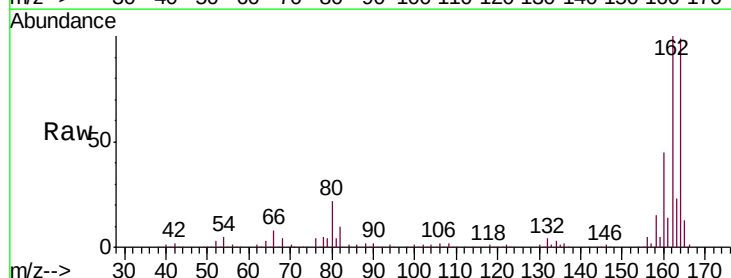
Tgt Ion: 164 Resp: 221266

Ion Ratio Lower Upper

164 100

162 100.5 82.9 124.3

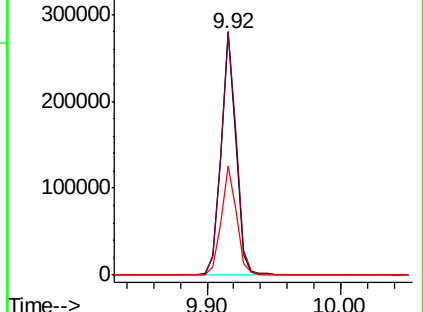
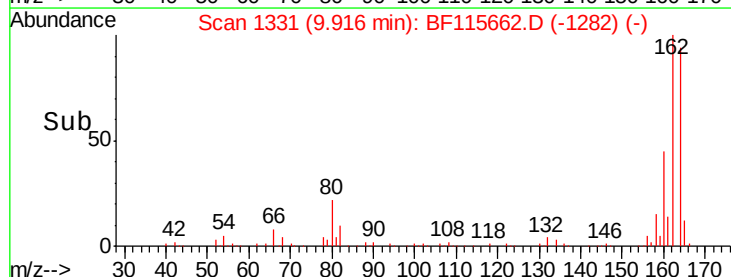
160 45.3 36.8 55.2

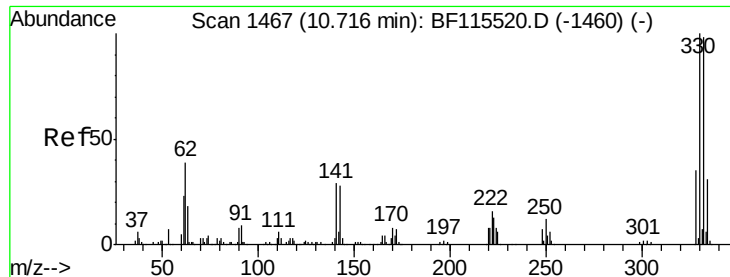


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

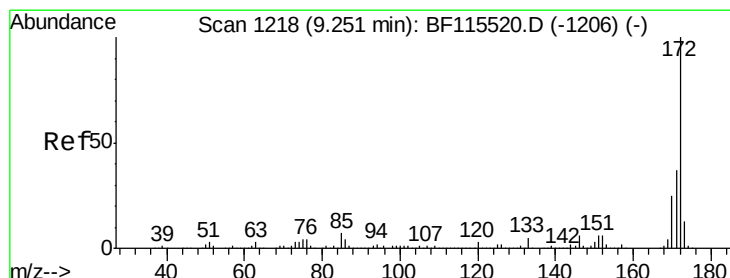
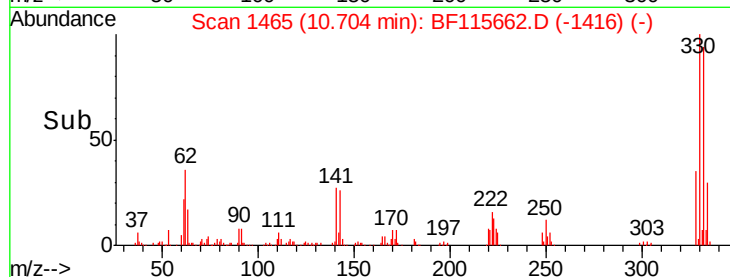
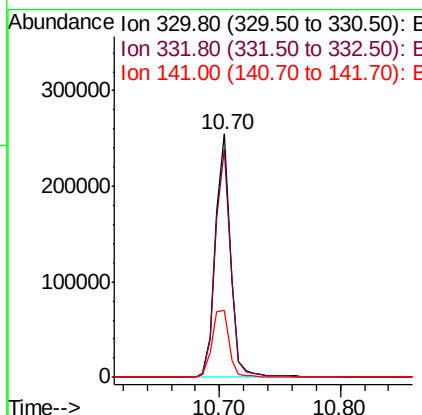
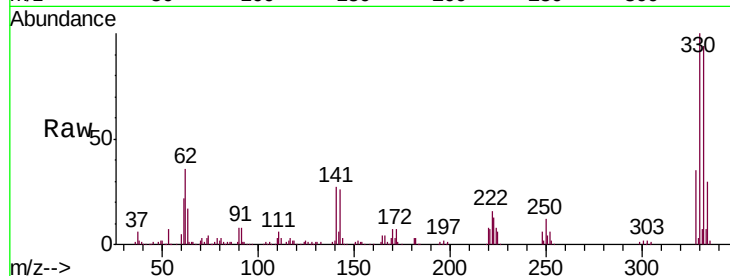




#42
 2,4,6-Tribromophenol
 Concen: 84.469 ng
 RT: 10.70 min Scan# 1465
 Delta R.T. -0.01 min
 Lab File: BF115662.D
 Acq: 18 Jul 2019 23:39

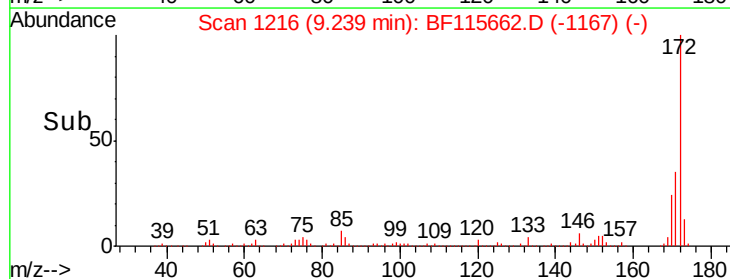
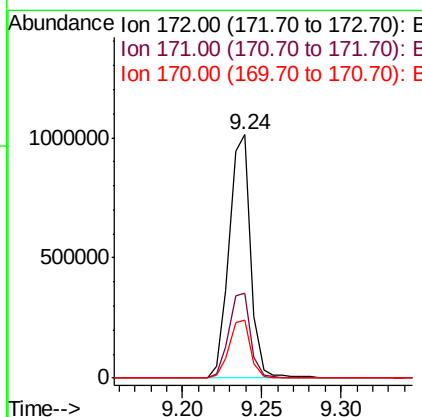
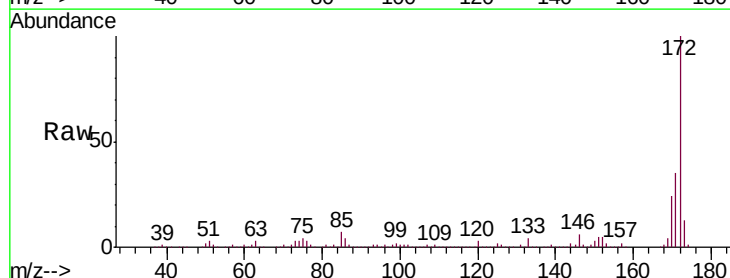
Instrument :
 BNA_F
 ClientSampleId :
 HJDC-GRABA

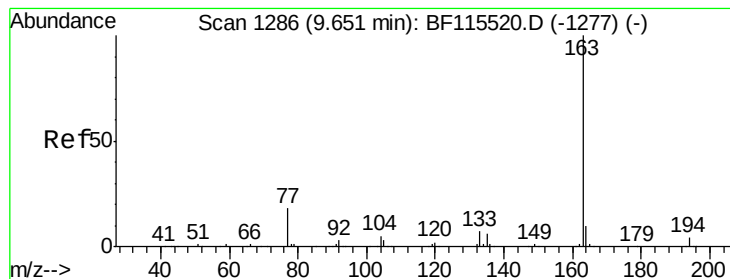
Tgt Ion	Ratio	Lower	Upper
330	100		
332	96.2	77.4	116.2
141	31.9	22.4	33.6



#45
 2-Fluorobiphenyl
 Concen: 75.644 ng
 RT: 9.24 min Scan# 1216
 Delta R.T. -0.01 min
 Lab File: BF115662.D
 Acq: 18 Jul 2019 23:39

Tgt Ion	Ratio	Lower	Upper
172	100		
171	35.1	30.6	46.0
170	23.9	20.5	30.7





#50

Dimethylphthalate

Concen: 10.275 ng

RT: 9.63 min Scan# 1282

Delta R.T. -0.02 min

Lab File: BF115662.D

Acq: 18 Jul 2019 23:39

Instrument :

BNA_F

ClientSampleId :

HJDC-GRABA

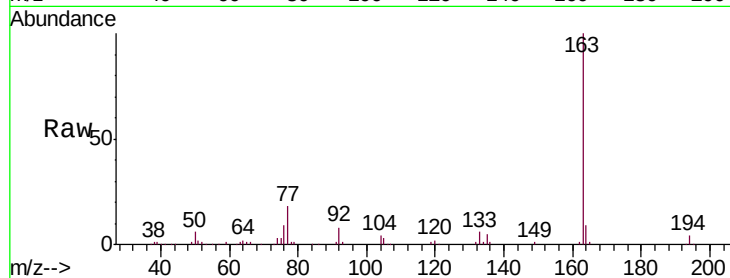
Tgt Ion:163 Resp: 171052

Ion Ratio Lower Upper

163 100

194 4.2 3.3 4.9

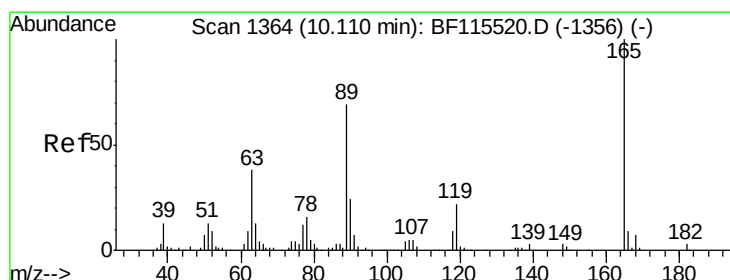
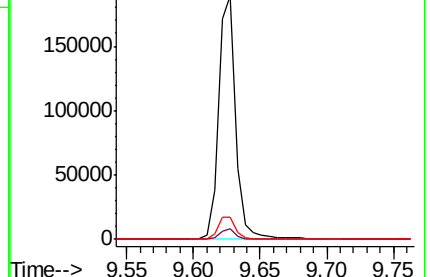
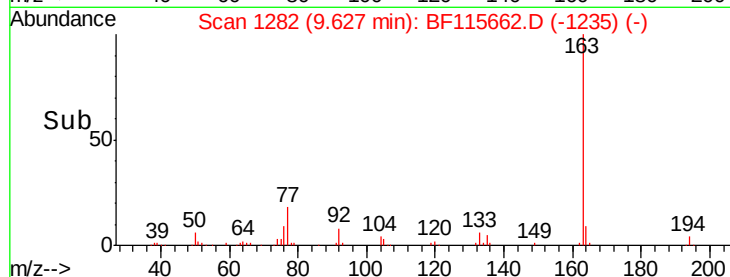
164 9.3 8.7 13.1



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



#57

2,4-Dinitrotoluene

Concen: 5.962 ng

RT: 9.92 min Scan# 1331

Delta R.T. -0.19 min

Lab File: BF115662.D

Acq: 18 Jul 2019 23:39

Tgt Ion:165 Resp: 29221

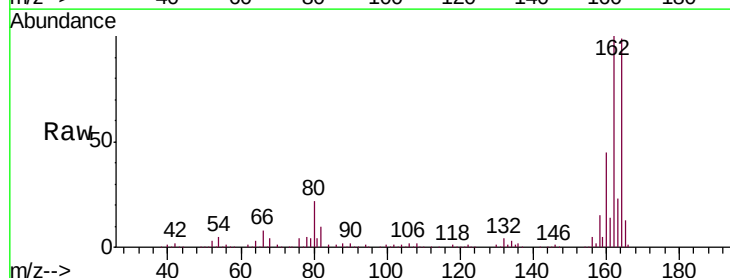
Ion Ratio Lower Upper

165 100

63 1.3 34.9 52.3#

89 1.2 57.5 86.3#

182 0.0 2.2 3.4#

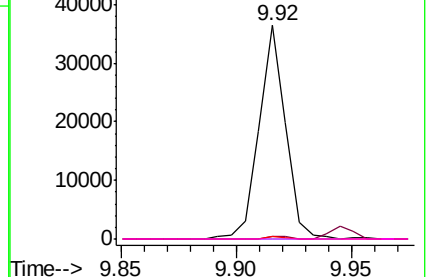
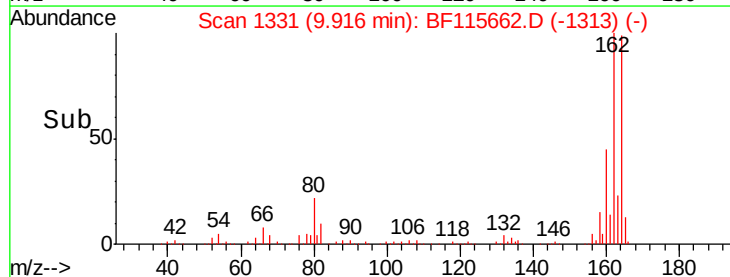


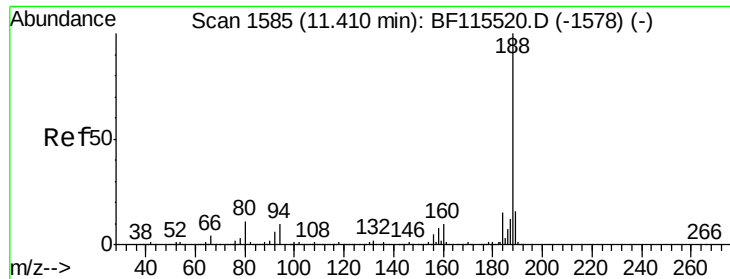
Abundance Ion 165.00 (164.70 to 165.70): E

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





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.40 min Scan# 1583

Delta R.T. -0.01 min

Lab File: BF115662.D

Acq: 18 Jul 2019 23:39

Instrument :

BNA_F

ClientSampleId :

HJDC-GRABA

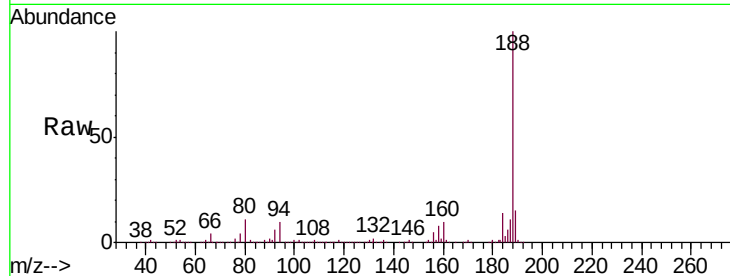
Tgt Ion:188 Resp: 373450

Ion Ratio Lower Upper

188 100

94 9.8 7.8 11.6

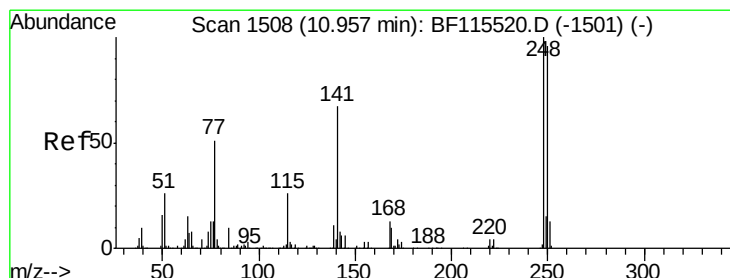
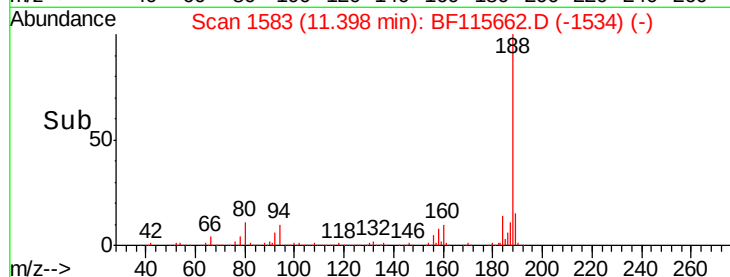
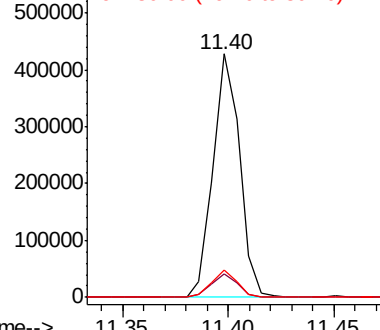
80 11.0 8.6 13.0



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



#67

4-Bromophenyl-phenylether

Concen: 3.109 ng

RT: 10.70 min Scan# 1465

Delta R.T. -0.25 min

Lab File: BF115662.D

Acq: 18 Jul 2019 23:39

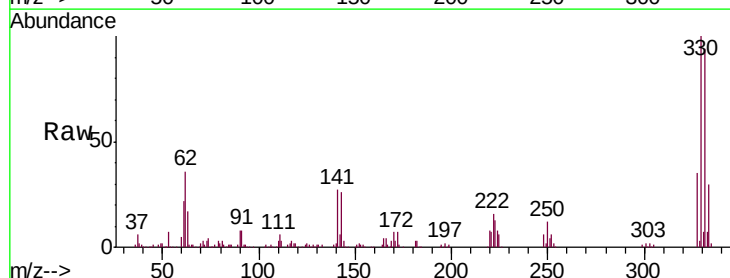
Tgt Ion:248 Resp: 13270

Ion Ratio Lower Upper

248 100

250 197.6 78.0 117.0#

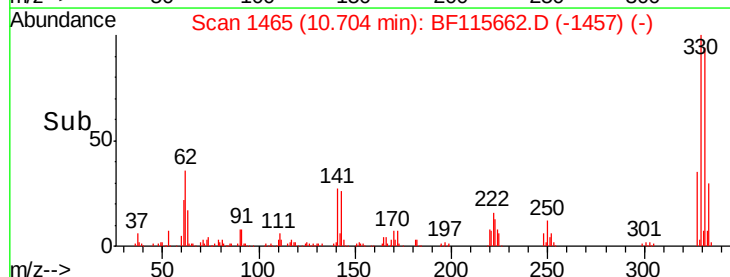
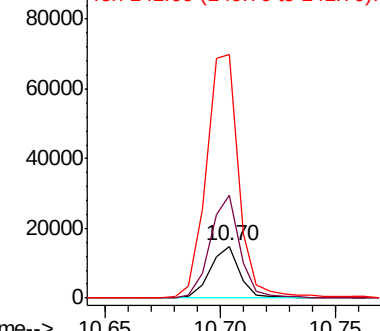
141 466.7 57.7 86.5#

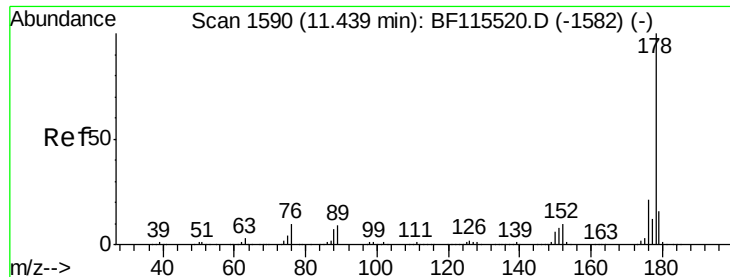


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E

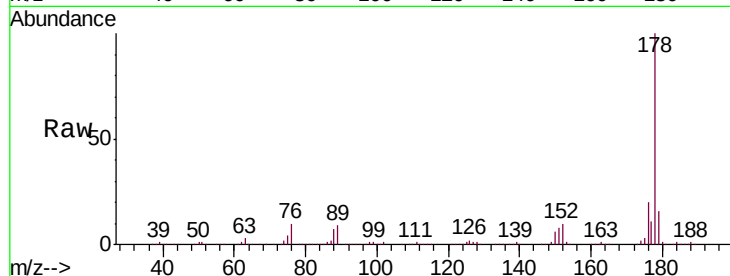




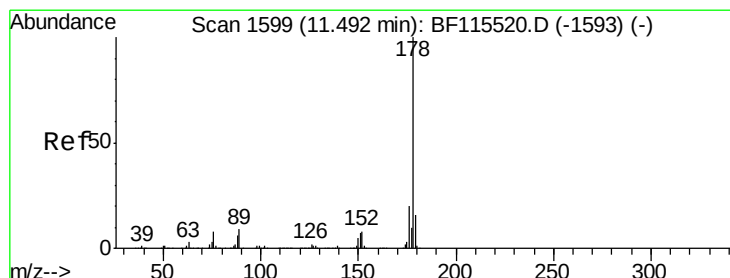
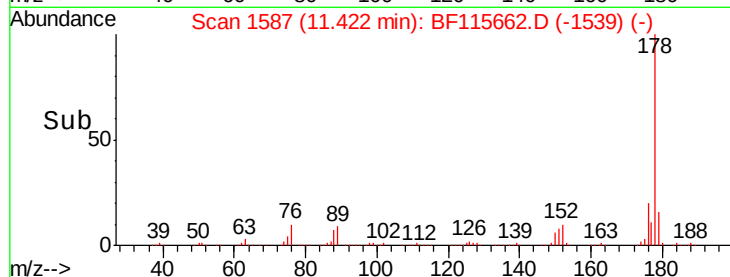
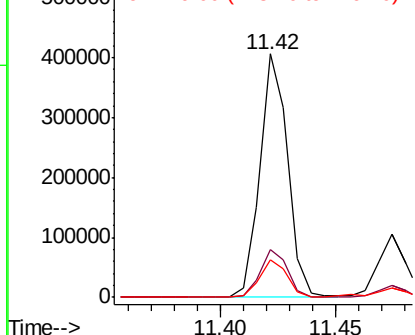
#71
Phenanthrene
Concen: 17.827 ng
RT: 11.42 min Scan# 1587
Delta R.T. -0.02 min
Lab File: BF115662.D
Acq: 18 Jul 2019 23:39

Instrument :
BNA_F
ClientSampleId :
HJDC-GRABA

Tgt Ion:178 Resp: 341258
Ion Ratio Lower Upper
178 100
176 19.7 17.2 25.8
179 15.7 13.5 20.3

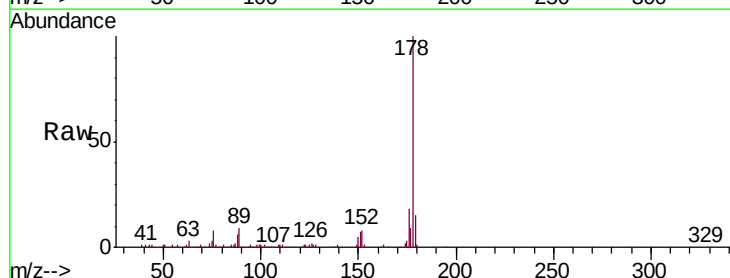


Abundance Ion 178.00 (177.70 to 178.70): E
Ion 176.00 (175.70 to 176.70): E
Ion 179.00 (178.70 to 179.70): E

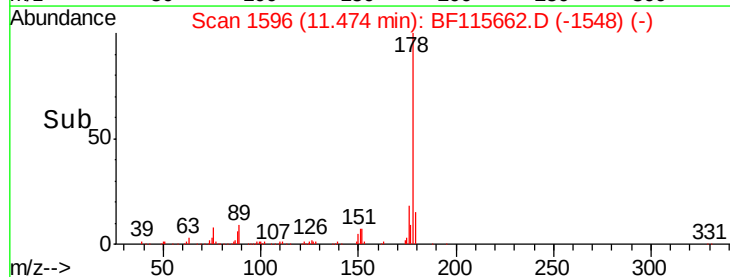
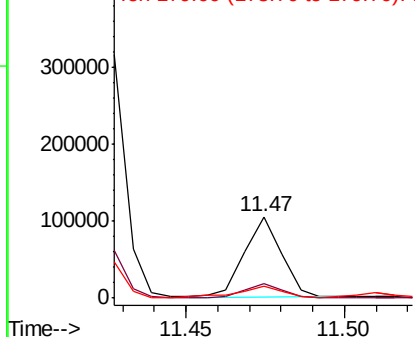


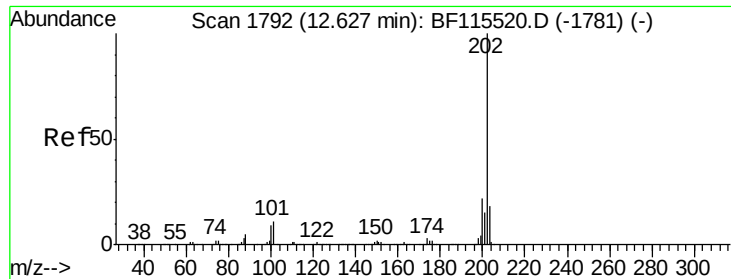
#72
Anthracene
Concen: 4.293 ng
RT: 11.47 min Scan# 1596
Delta R.T. -0.02 min
Lab File: BF115662.D
Acq: 18 Jul 2019 23:39

Tgt Ion:178 Resp: 84939
Ion Ratio Lower Upper
178 100
176 18.1 15.9 23.9
179 15.1 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





#75

Fluoranthene

Concen: 26.829 ng

RT: 12.61 min Scan# 1789

Delta R.T. -0.02 min

Lab File: BF115662.D

Acq: 18 Jul 2019 23:39

Instrument :

BNA_F

ClientSampleId :

HJDC-GRABA

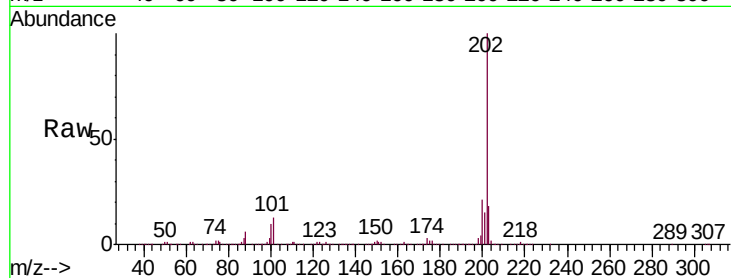
Tgt Ion:202 Resp: 542716

Ion Ratio Lower Upper

202 100

101 13.0 0.0 31.4

203 17.8 0.0 38.1

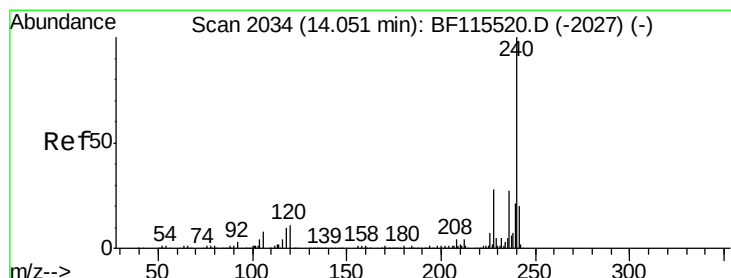
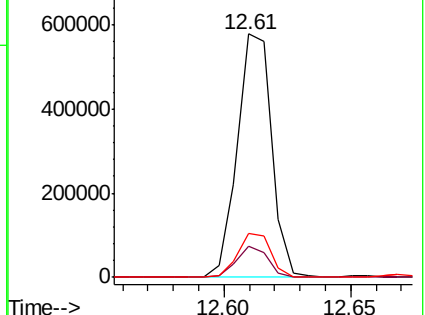
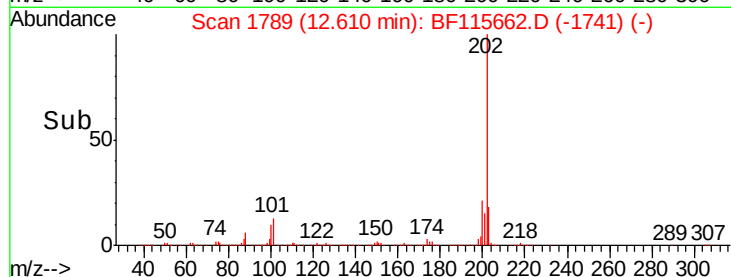


Abundance

Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E



#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.03 min Scan# 2031

Delta R.T. -0.02 min

Lab File: BF115662.D

Acq: 18 Jul 2019 23:39

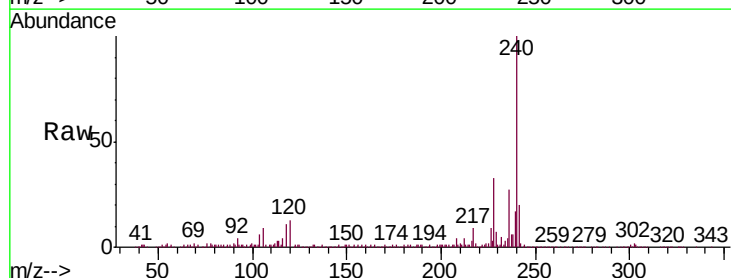
Tgt Ion:240 Resp: 321390

Ion Ratio Lower Upper

240 100

120 12.7 8.6 13.0

236 26.5 21.3 31.9

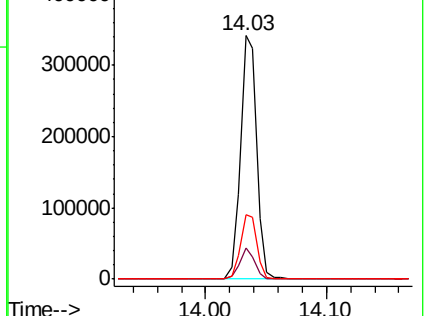
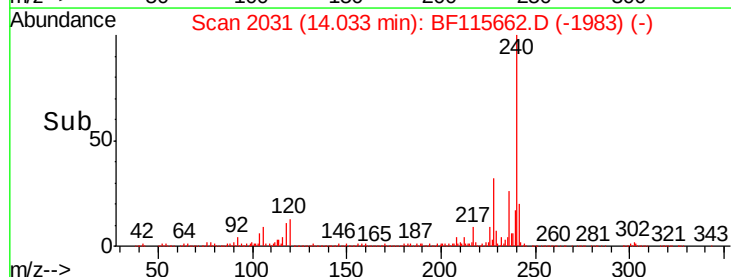


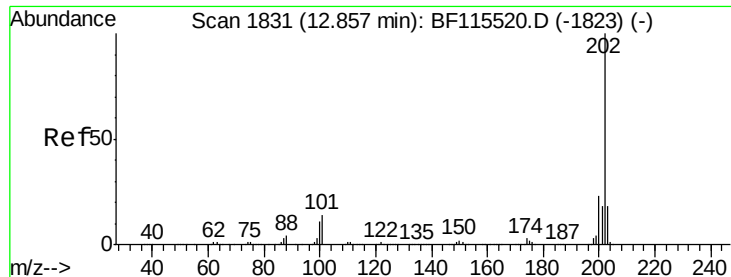
Abundance

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: 17.982 ng

RT: 12.84 min Scan# 1828

Delta R.T. -0.02 min

Lab File: BF115662.D

Acq: 18 Jul 2019 23:39

Instrument :

BNA_F

ClientSampleId :

HJDC-GRABA

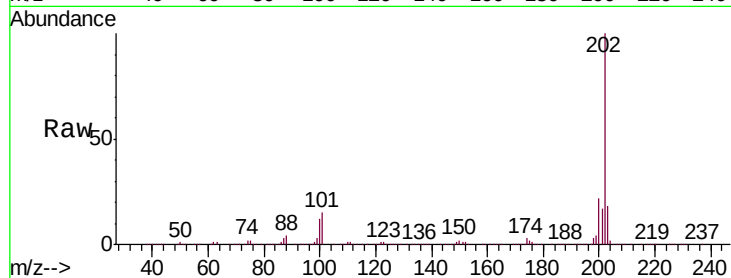
Tgt Ion: 202 Resp: 489649

Ion Ratio Lower Upper

202 100

200 21.8 18.7 28.1

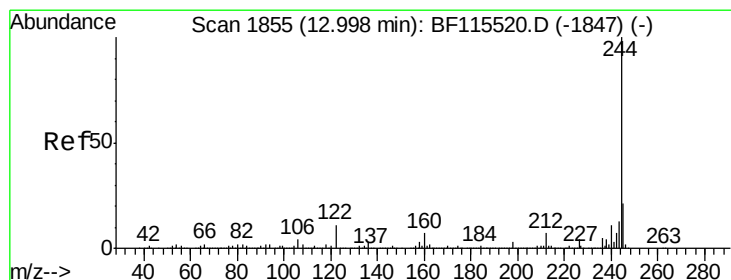
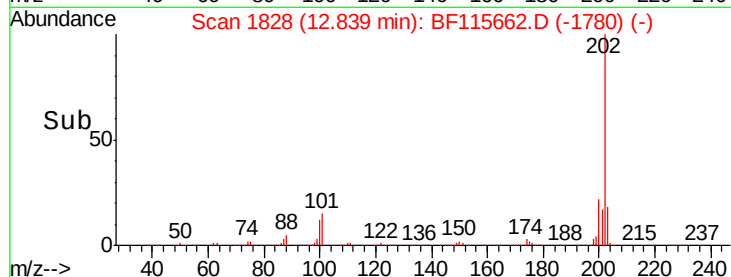
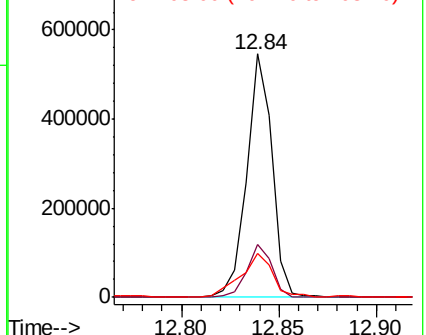
203 18.1 15.2 22.8



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: 48.759 ng

RT: 12.98 min Scan# 1852

Delta R.T. -0.02 min

Lab File: BF115662.D

Acq: 18 Jul 2019 23:39

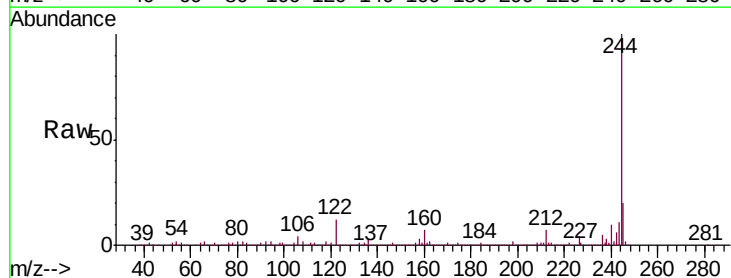
Tgt Ion: 244 Resp: 849278

Ion Ratio Lower Upper

244 100

212 6.9 6.0 9.0

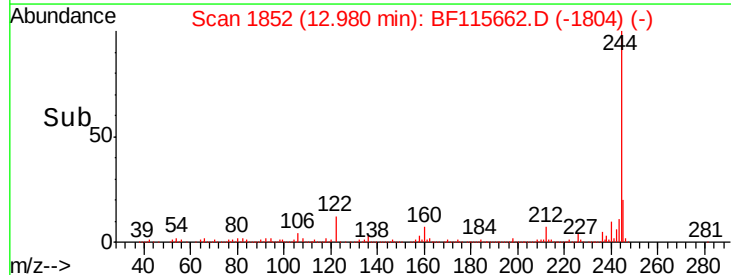
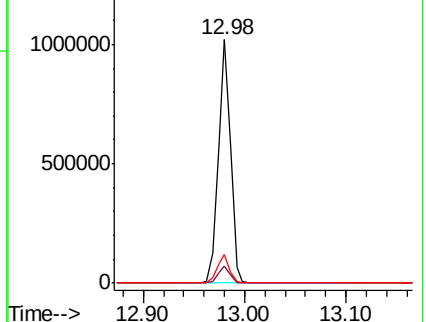
122 11.9 8.6 12.8

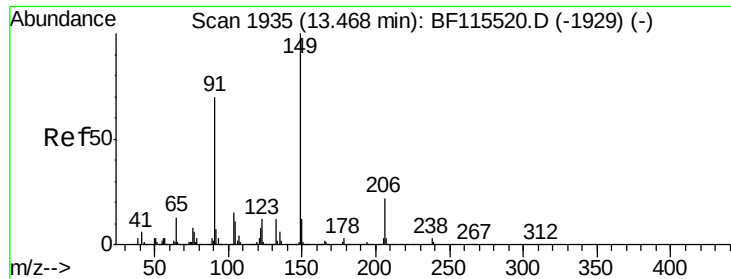


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

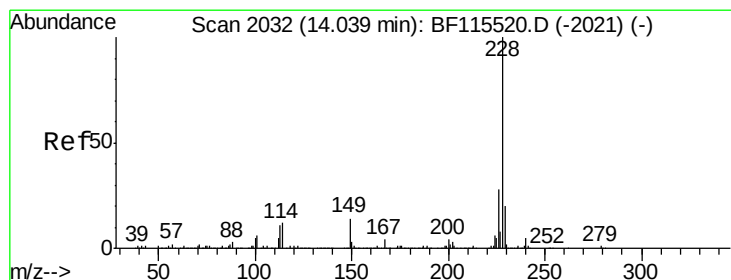
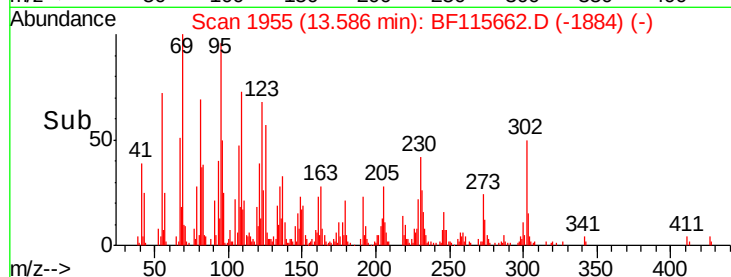
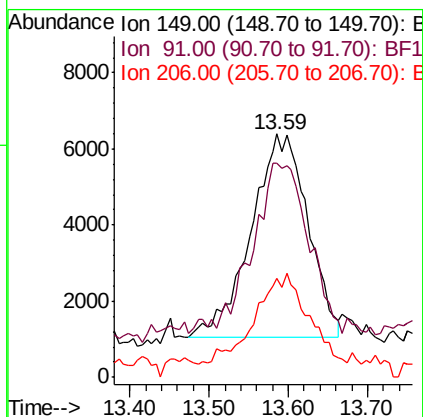
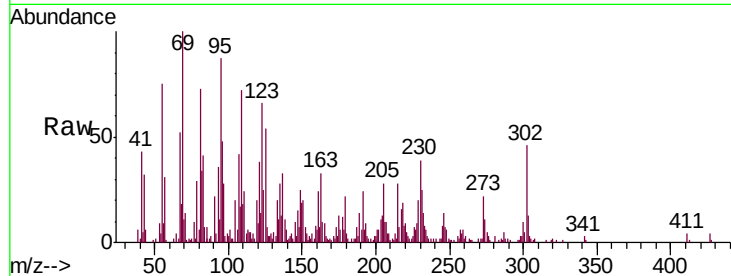




#80
Butylbenzylphthalate
Concen: 2.281 ng
RT: 13.59 min Scan# 1955
Delta R.T. 0.12 min
Lab File: BF115662.D
Acq: 18 Jul 2019 23:39

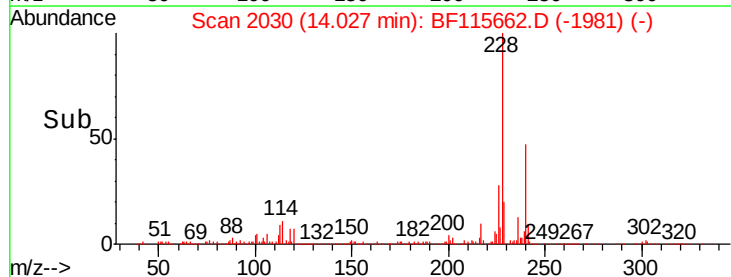
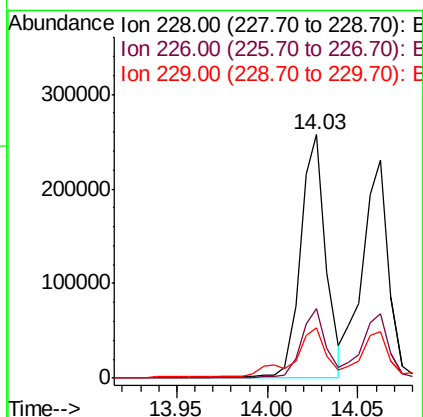
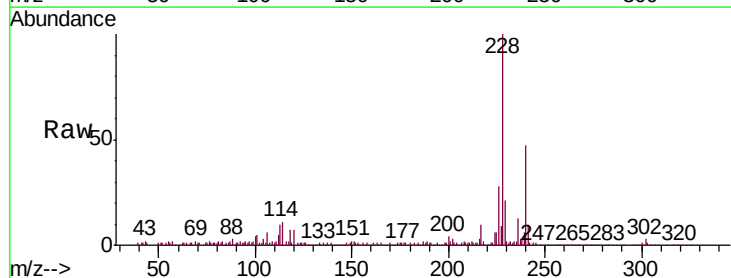
Instrument :
BNA_F
ClientSampleId :
HJDC-GRABA

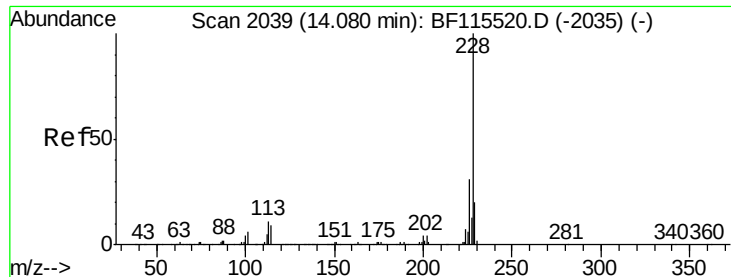
Tgt Ion:149 Resp: 26479
Ion Ratio Lower Upper
149 100
91 87.7 55.8 83.8#
206 40.4 18.2 27.2#



#81
Benzo(a)anthracene
Concen: 11.924 ng
RT: 14.03 min Scan# 2030
Delta R.T. -0.01 min
Lab File: BF115662.D
Acq: 18 Jul 2019 23:39

Tgt Ion:228 Resp: 252466
Ion Ratio Lower Upper
228 100
226 28.4 23.4 35.0
229 20.9 17.2 25.8





#83

Chrysene

Concen: 10.991 ng

RT: 14.06 min Scan# 2036

Delta R.T. -0.02 min

Lab File: BF115662.D

Acq: 18 Jul 2019 23:39

Instrument :

BNA_F

ClientSampleId :

HJDC-GRABA

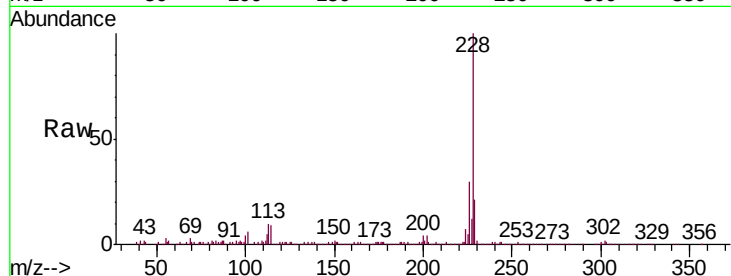
Tgt Ion:228 Resp: 233621

Ion Ratio Lower Upper

228 100

226 29.6 25.7 38.5

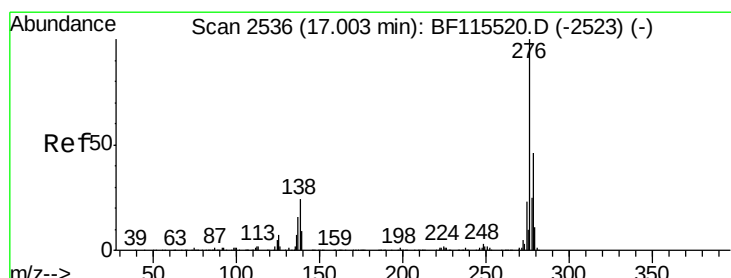
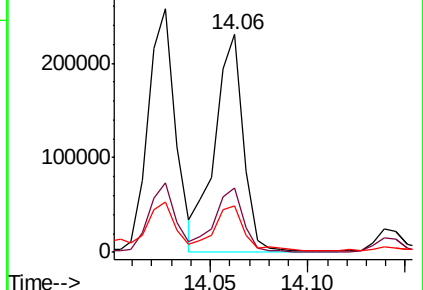
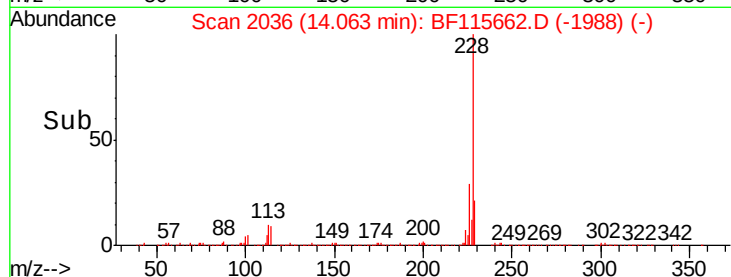
229 21.1 16.6 25.0



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: 4.432 ng

RT: 16.97 min Scan# 2530

Delta R.T. -0.04 min

Lab File: BF115662.D

Acq: 18 Jul 2019 23:39

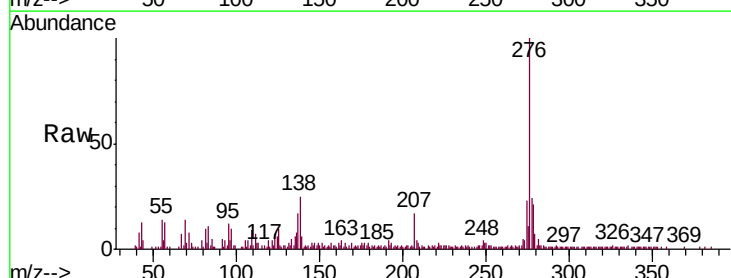
Tgt Ion:276 Resp: 80032

Ion Ratio Lower Upper

276 100

138 21.4 20.2 30.2

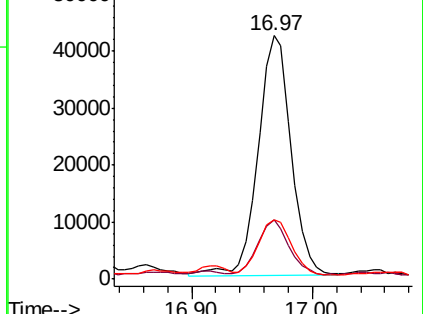
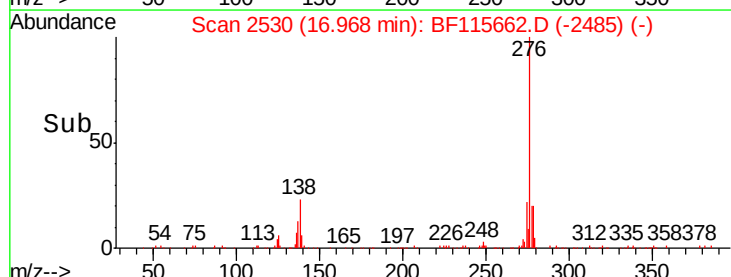
277 23.3 20.4 30.6

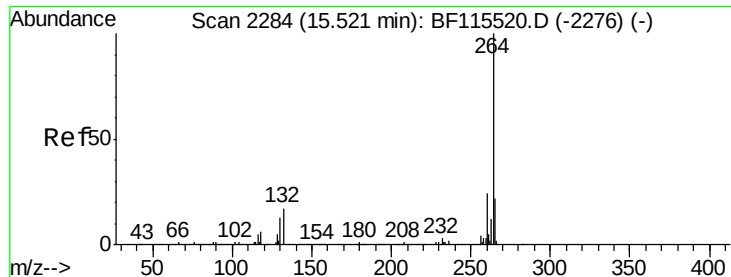


Abundance Ion 276.00 (275.70 to 276.70): E

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# 2281

Delta R.T. -0.02 min

Lab File: BF115662.D

Acq: 18 Jul 2019 23:39

Instrument :

BNA_F

ClientSampleId :

HJDC-GRABA

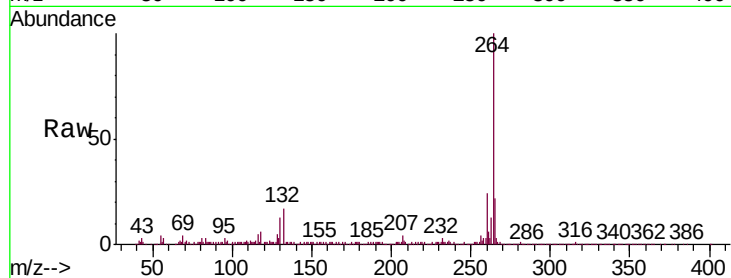
Tgt Ion:264 Resp: 279318

Ion Ratio Lower Upper

264 100

260 24.3 19.8 29.8

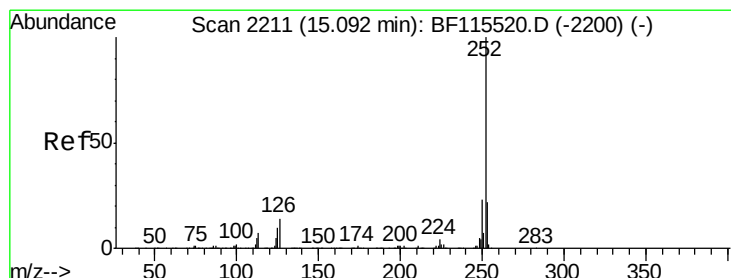
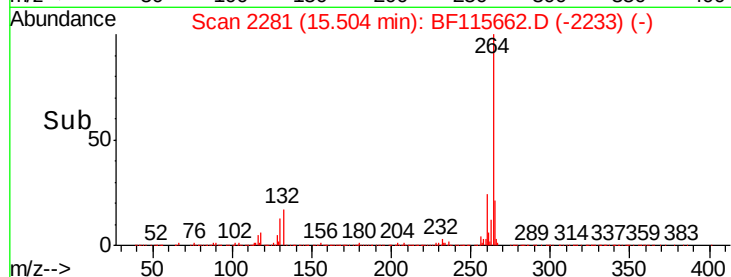
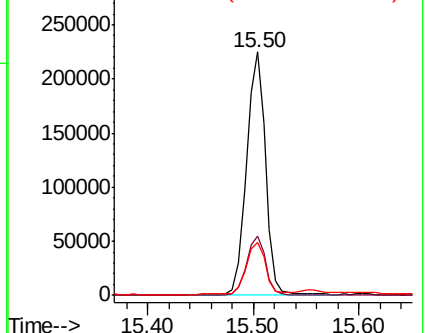
265 21.8 17.7 26.5



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: 17.652 ng

RT: 15.07 min Scan# 2208

Delta R.T. -0.02 min

Lab File: BF115662.D

Acq: 18 Jul 2019 23:39

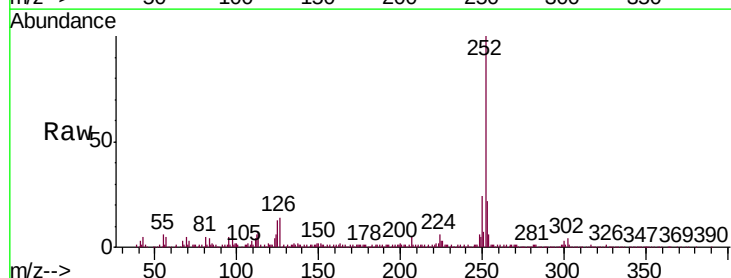
Tgt Ion:252 Resp: 317489

Ion Ratio Lower Upper

252 100

253 22.4 18.1 27.1

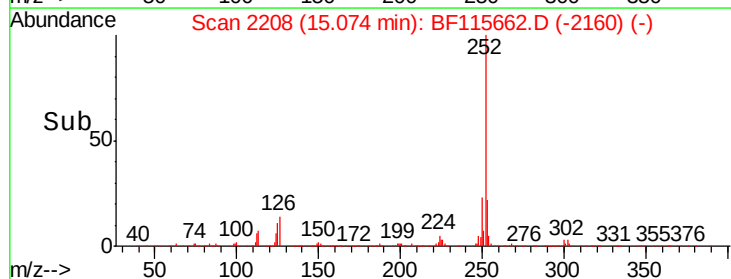
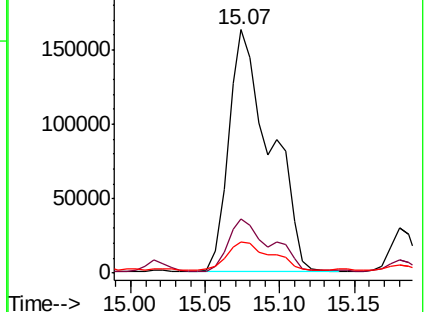
125 12.7 9.0 13.4

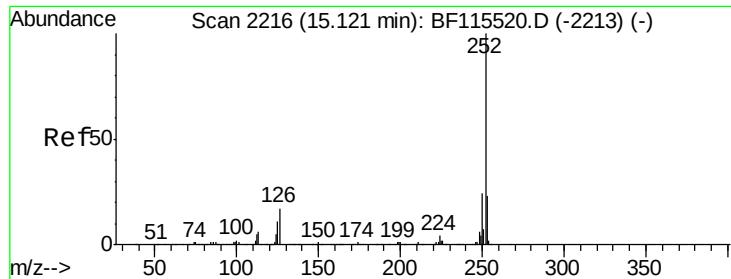


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E

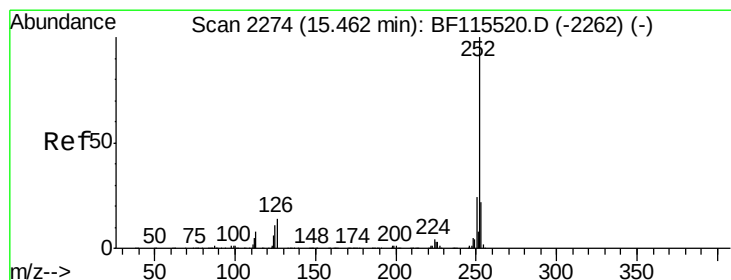
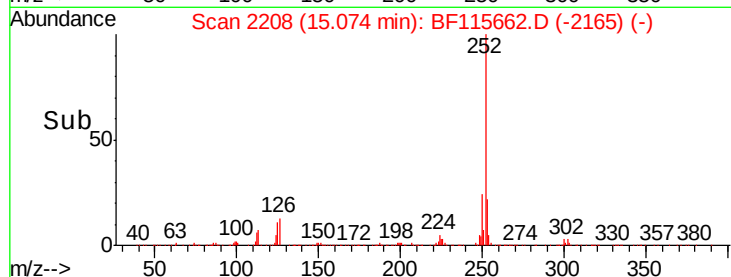
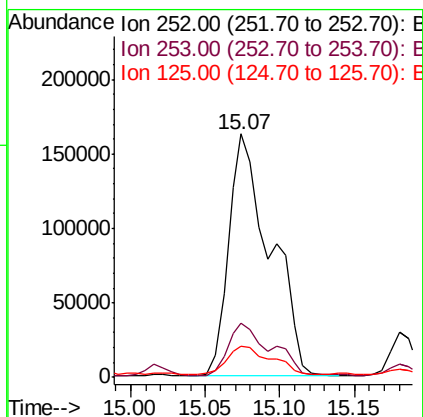
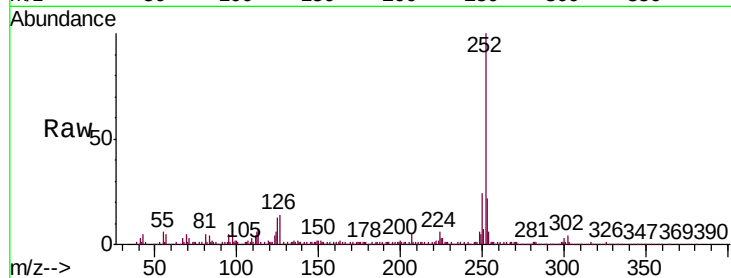




#89
Benzo(k)fluoranthene
Concen: 19.799 ng
RT: 15.07 min Scan# 2208
Delta R.T. -0.05 min
Lab File: BF115662.D
Acq: 18 Jul 2019 23:39

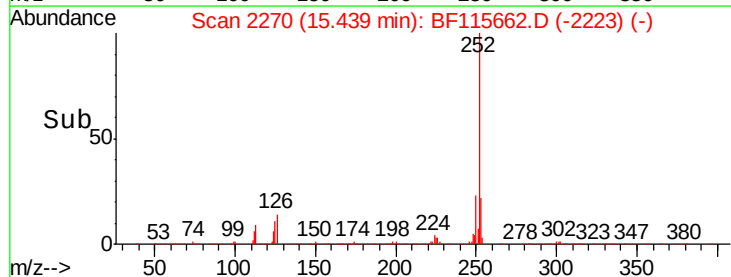
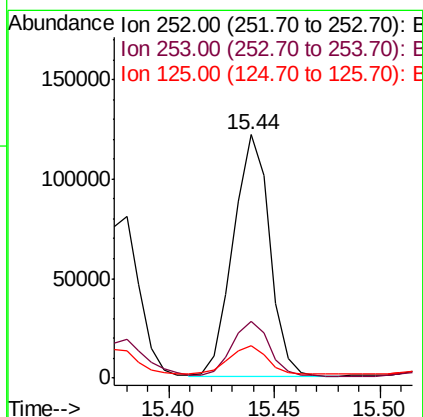
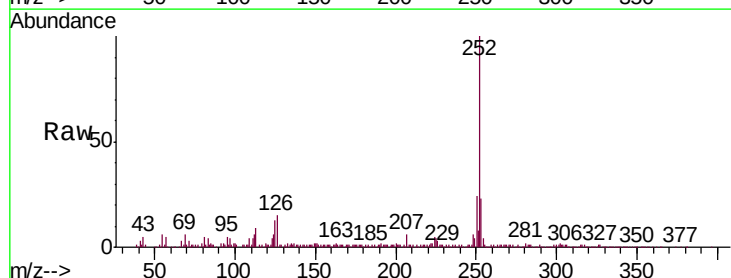
Instrument :
BNA_F
ClientSampleId :
HJDC-GRABA

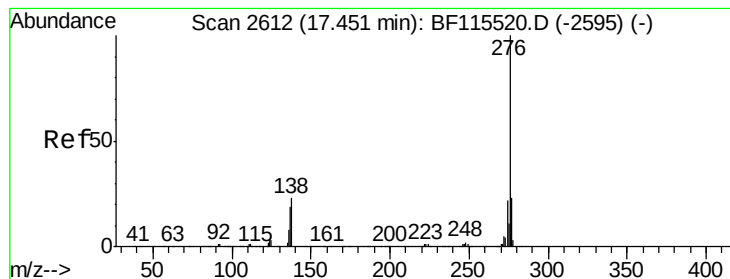
Tgt Ion:252 Resp: 317489
Ion Ratio Lower Upper
252 100
253 22.4 18.6 28.0
125 12.7 9.0 13.6



#90
Benzo(a)pyrene
Concen: 9.434 ng
RT: 15.44 min Scan# 2270
Delta R.T. -0.02 min
Lab File: BF115662.D
Acq: 18 Jul 2019 23:39

Tgt Ion:252 Resp: 145832
Ion Ratio Lower Upper
252 100
253 23.3 17.8 26.6
125 13.1 9.1 13.7





#92

Benzo(g,h,i)perylene

Concen: 5.300 ng

RT: 17.42 min Scan# 2606

Delta R.T. -0.04 min

Lab File: BF115662.D

Acq: 18 Jul 2019 23:39

Instrument :

BNA_F

ClientSampleId :

HJDC-GRABA

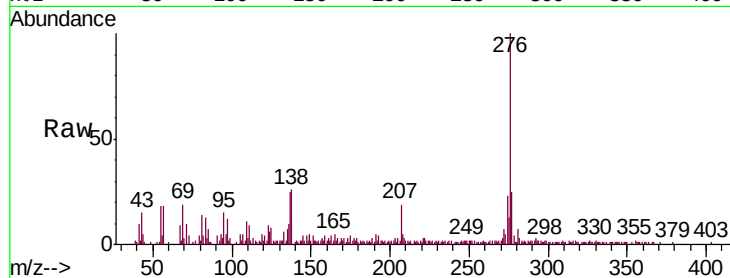
Tgt Ion: 276 Resp: 71730

Ion Ratio Lower Upper

276 100

277 25.4 19.0 28.4

138 26.0 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

