

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF080218\
 Data File : BF107916.D
 Acq On : 2 Aug 2018 18:23
 Operator : JU/SJ
 Sample : J4278-03 5X
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 EO-03-080118-B

Quant Time: Aug 03 00:54:53 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF073018.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Jul 30 17:48:53 2018
 Response via : Initial Calibration

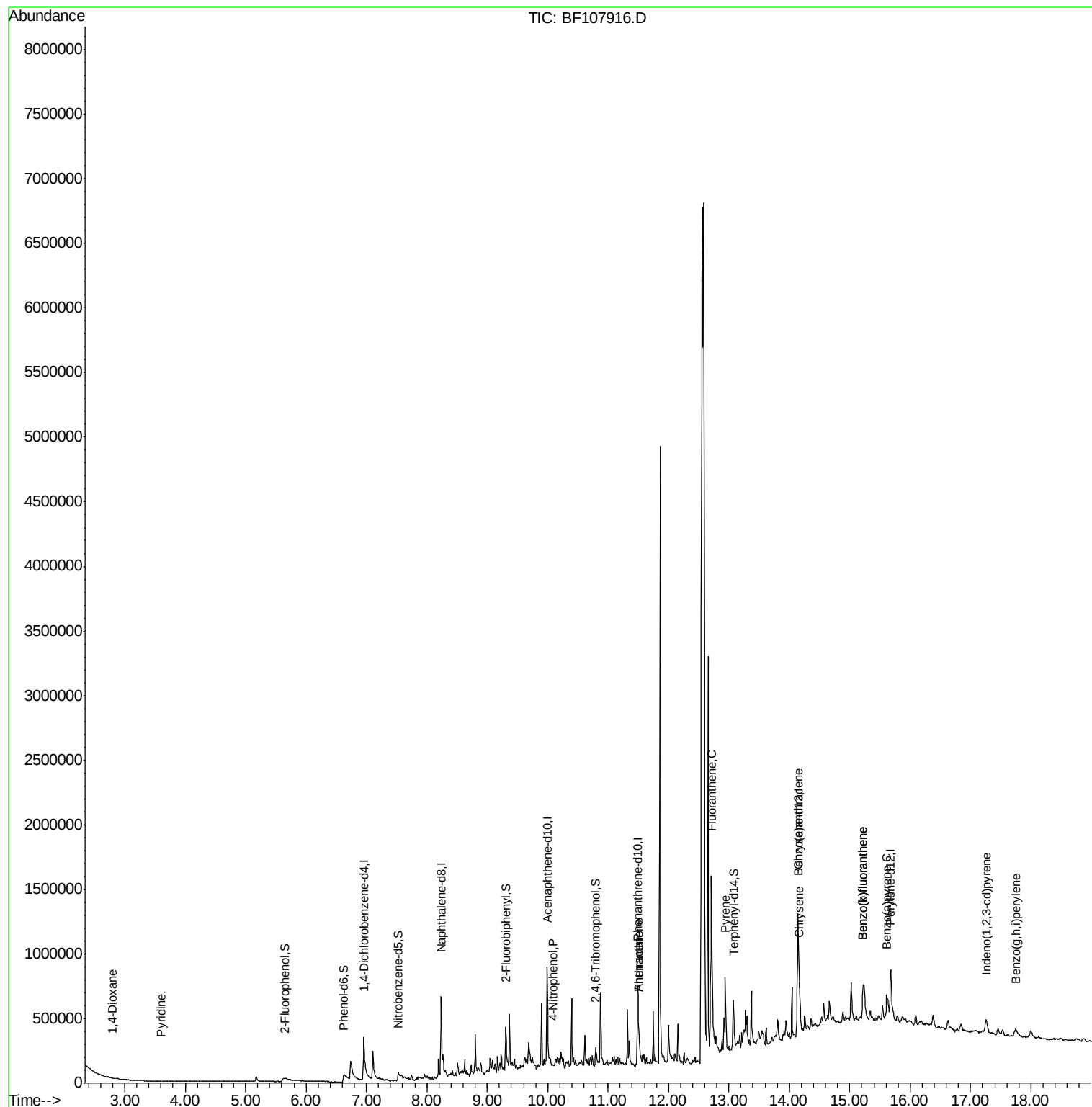
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.95	152	114464	20.00	ng	-0.01
21) Naphthalene-d8	8.24	136	515902	20.00	ng	-0.01
38) Acenaphthene-d10	10.00	164	196722	20.00	ng	-0.01
63) Phenanthrene-d10	11.49	188	377409	20.00	ng	-0.01
75) Chrysene-d12	14.15	240	388300	20.00	ng	0.00
86) Perylene-d12	15.68	264	297026	20.00	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.65	112	28495	4.23	ng	0.05
7) Phenol-d6	6.63	99	118966	13.40	ng	0.02
23) Nitrobenzene-d5	7.54	82	49245	5.50	ng	0.00
41) 2,4,6-Tribromophenol	10.80	330	37051	13.86	ng	0.00
44) 2-Fluorobiphenyl	9.31	172	177316	12.56	ng	-0.01
78) Terphenyl-d14	13.08	244	195459	10.92	ng	0.00
Target Compounds						
2) 1,4-Dioxane	2.80	88	198	5.849	ng	# 1
3) Pyridine	3.60	79	143	6.270	ng	# 1
55) 4-Nitrophenol	10.09	139	547	9.566	ng	# 1
70) Phenanthrene	11.52	178	62129	3.467	ng	99
71) Anthracene	11.52	178	62129	3.006	ng	98
74) Fluoranthene	12.71	202	333903	15.860	ng	98
77) Pyrene	12.94	202	318978	11.408	ng	96
80) Benzo(a)anthracene	14.14	228	212440	9.658	ng	97
82) Chrysene	14.17	228	167138	7.045	ng	96
85) Indeno(1,2,3-cd)pyrene	17.26	276	82375	4.565	ng	# 86
87) Benzo(b)fluoranthene	15.22	252	306124	20.897	ng	96
88) Benzo(k)fluoranthene	15.22	252	306124	17.020	ng	99
89) Benzo(a)pyrene	15.61	252	154593	10.222	ng	95
91) Benzo(g,h,i)perylene	17.75	276	75244	5.895	ng	92

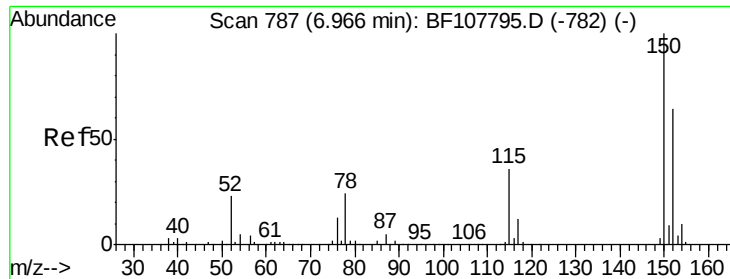
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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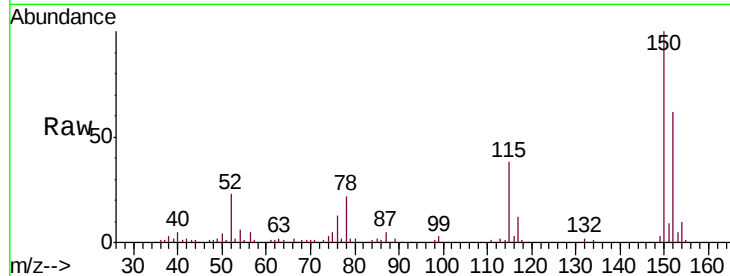


#1

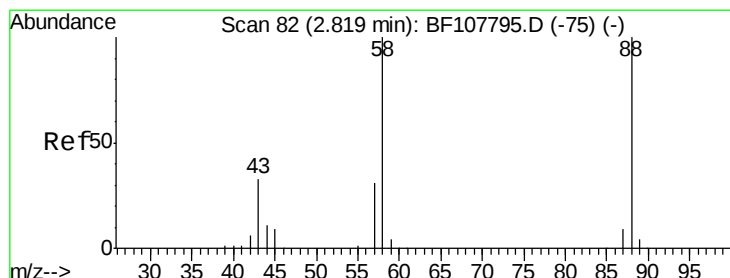
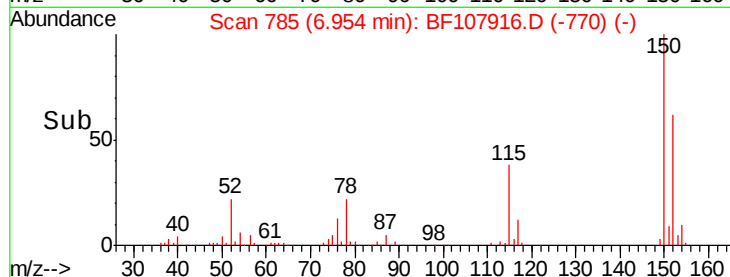
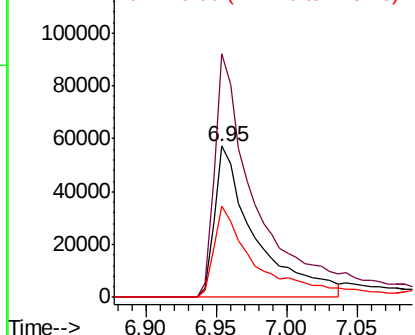
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.95 min Scan# 785
Delta R.T. -0.01 min
Lab File: BF107916.D
Acq: 2 Aug 2018 18:23

Instrument :
BNA_F
ClientSampleId :
EO-03-080118-B

Tgt Ion:152 Resp: 114464
Ion Ratio Lower Upper
152 100
150 161.2 124.6 186.8
115 60.5 50.1 75.1



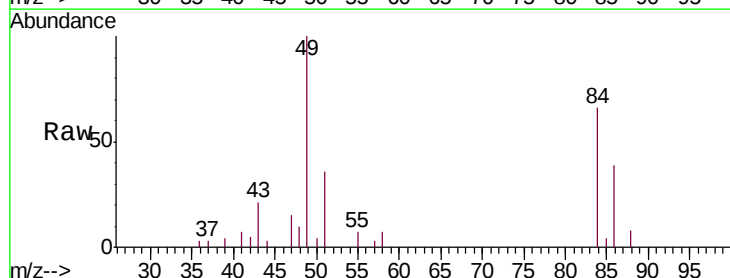
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



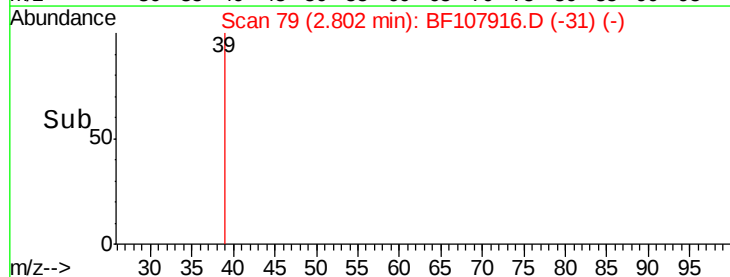
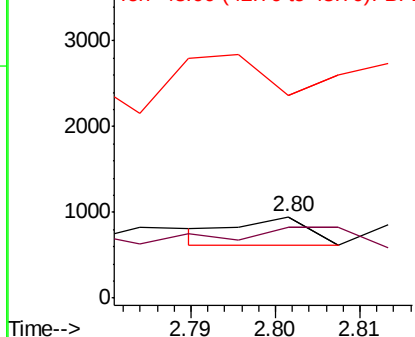
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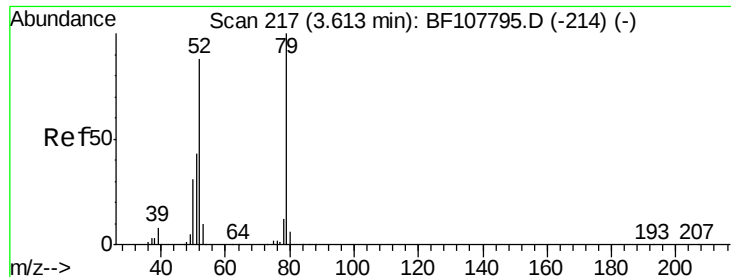
1,4-Dioxane
Concen: 5.849 ng
RT: 2.80 min Scan# 79
Delta R.T. -0.02 min
Lab File: BF107916.D
Acq: 2 Aug 2018 18:23

Tgt Ion: 88 Resp: 198
Ion Ratio Lower Upper
88 100
58 129.8 62.6 93.8#
43 277.3 24.6 37.0#



Abundance Ion 88.00 (87.70 to 88.70): BF1
Ion 58.00 (57.70 to 58.70): BF1
Ion 43.00 (42.70 to 43.70): BF1

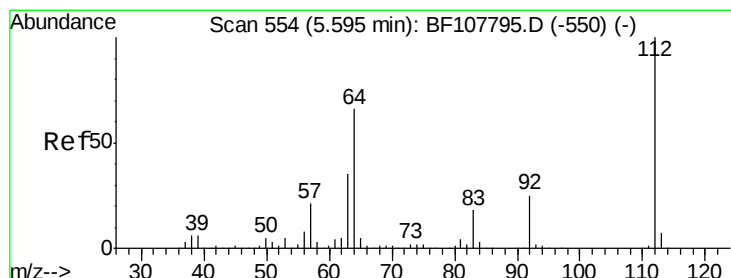
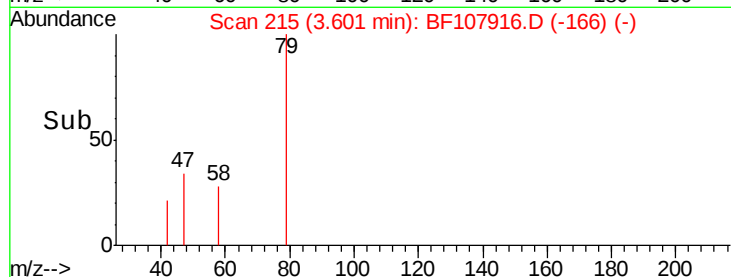
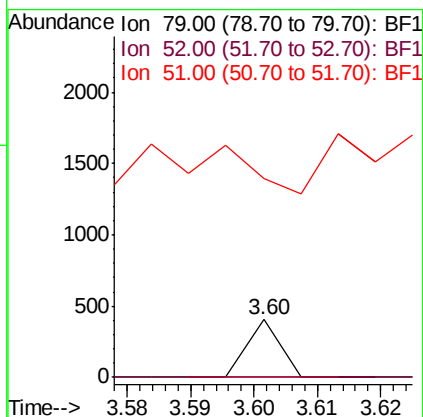
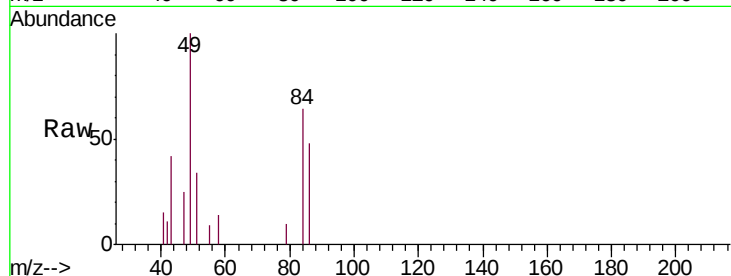




#3
Pyridine
Concen: 6.270 ng
RT: 3.60 min Scan# 215
Delta R.T. -0.01 min
Lab File: BF107916.D
Acq: 2 Aug 2018 18:23

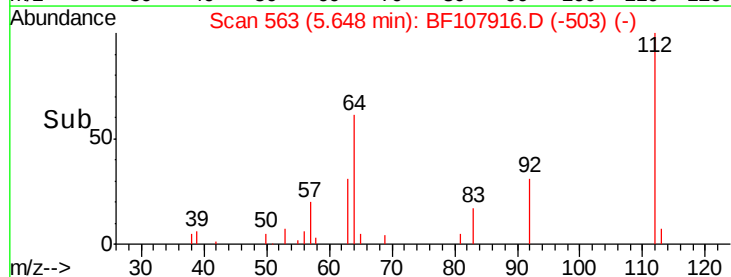
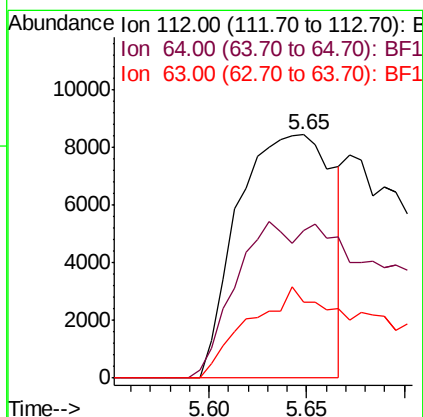
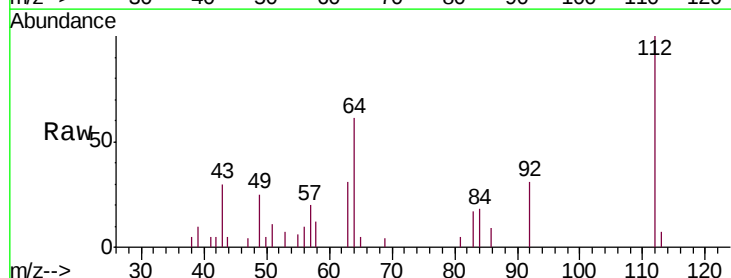
Instrument :
BNA_F
ClientSampleId :
EO-03-080118-B

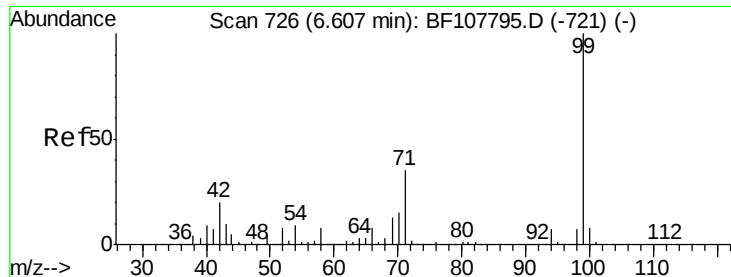
Tgt Ion: 79 Resp: 143
Ion Ratio Lower Upper
79 100
52 0.0 59.8 89.6#
51 345.0 29.8 44.8#



#5
2-Fluorophenol
Concen: 4.231 ng
RT: 5.65 min Scan# 563
Delta R.T. 0.05 min
Lab File: BF107916.D
Acq: 2 Aug 2018 18:23

Tgt Ion: 112 Resp: 28495
Ion Ratio Lower Upper
112 100
64 60.7 47.9 71.9
63 31.1 23.7 35.5





#7

Phenol-d6

Concen: 13.403 ng

RT: 6.63 min Scan# 730

Delta R.T. 0.02 min

Lab File: BF107916.D

Acq: 2 Aug 2018 18:23

Instrument :

BNA_F

ClientSampleId :

EO-03-080118-B

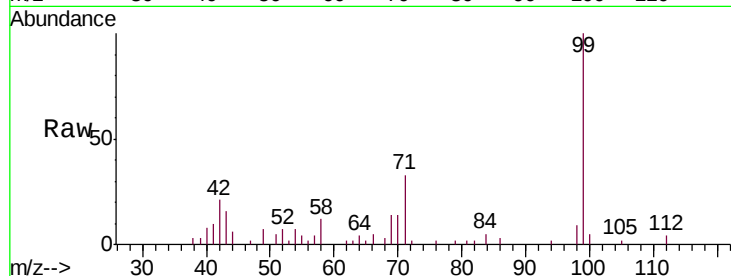
Tgt Ion: 99 Resp: 118966

Ion Ratio Lower Upper

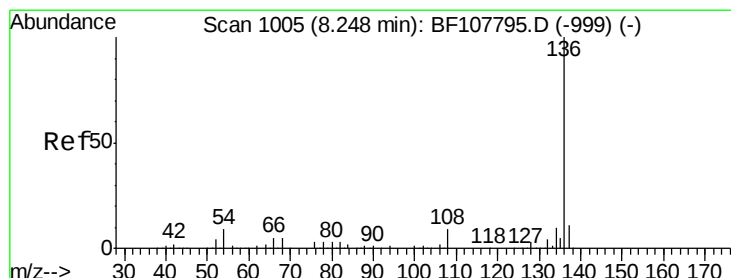
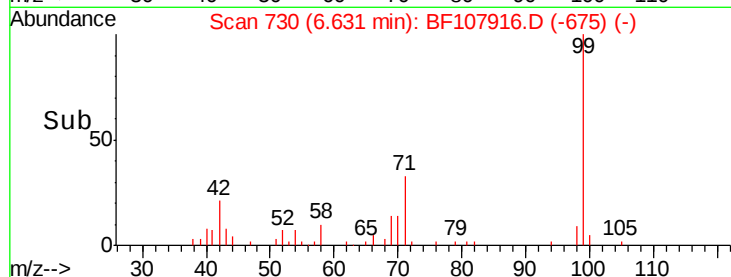
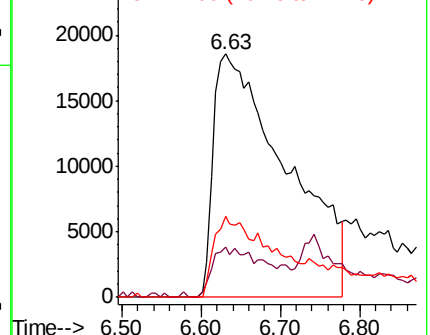
99 100

42 20.8 14.5 21.7

71 33.2 25.4 38.0



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



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.24 min Scan# 1003

Delta R.T. -0.01 min

Lab File: BF107916.D

Acq: 2 Aug 2018 18:23

Tgt Ion: 136 Resp: 515902

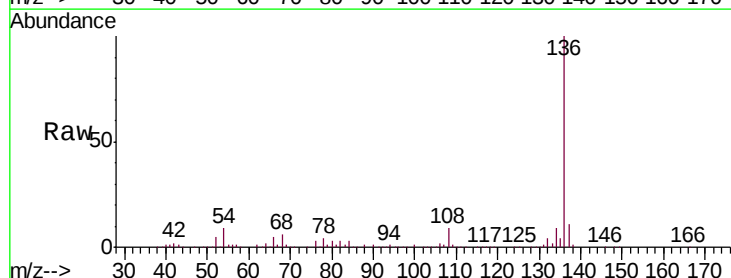
Ion Ratio Lower Upper

136 100

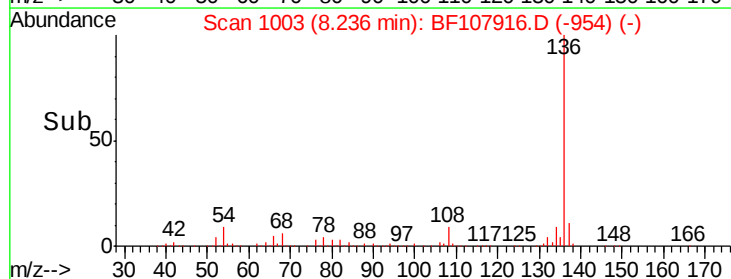
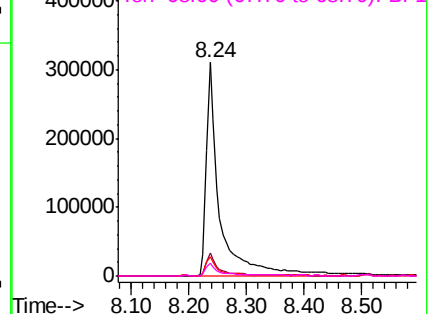
137 10.9 8.9 13.3

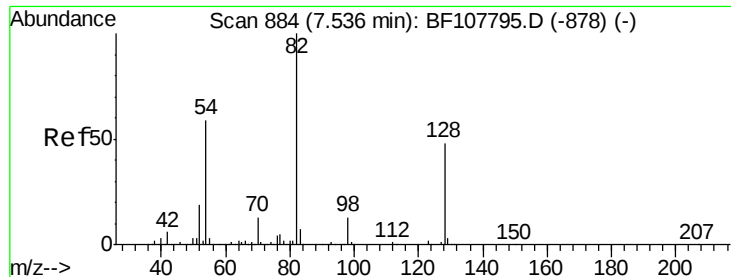
54 9.2 6.6 9.8

68 5.8 5.0 7.4



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

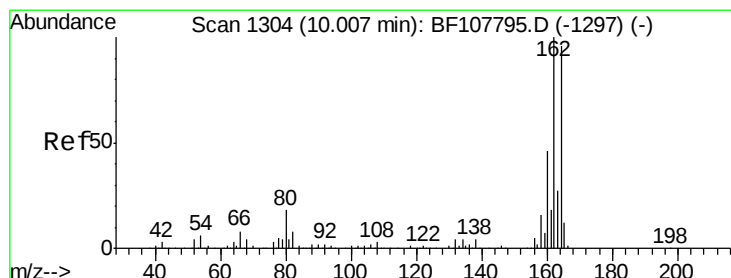
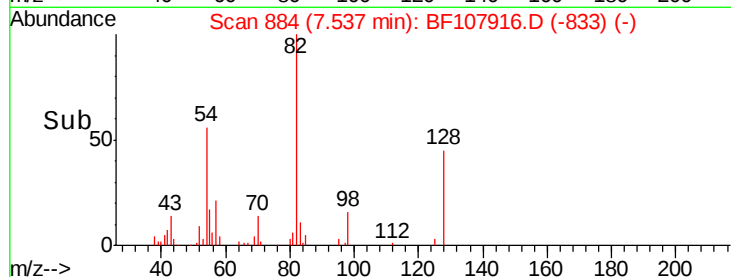
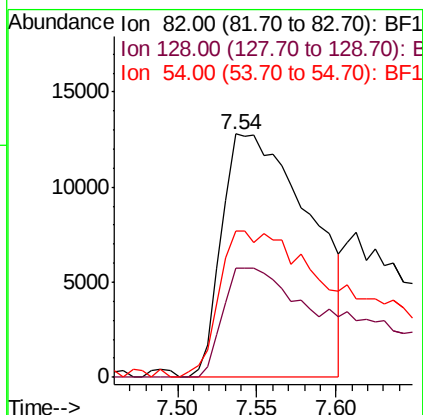
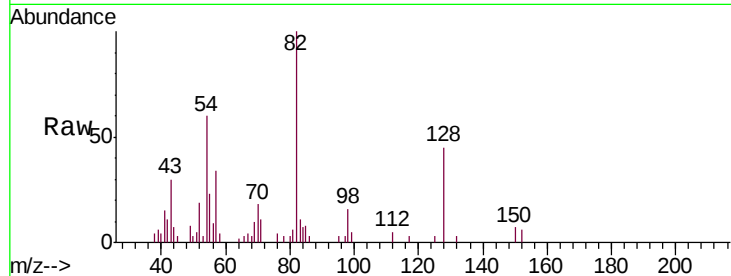




#23
 Nitrobenzene-d5
 Concen: 5.499 ng
 RT: 7.54 min Scan# 884
 Delta R.T. 0.00 min
 Lab File: BF107916.D
 Acq: 2 Aug 2018 18:23

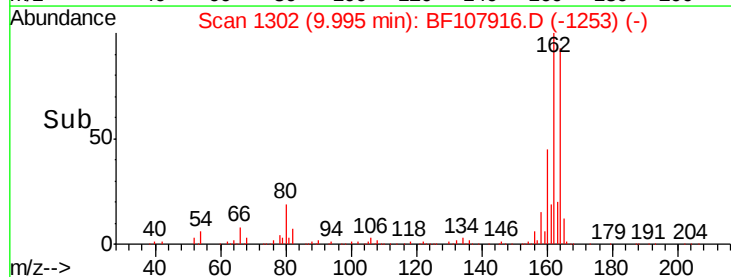
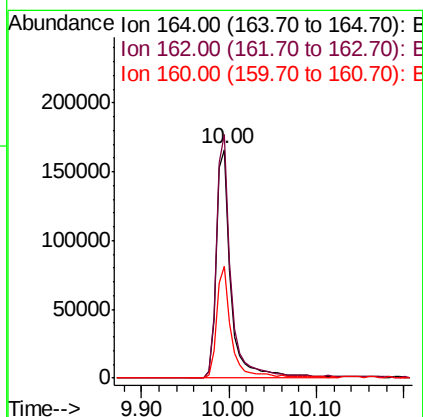
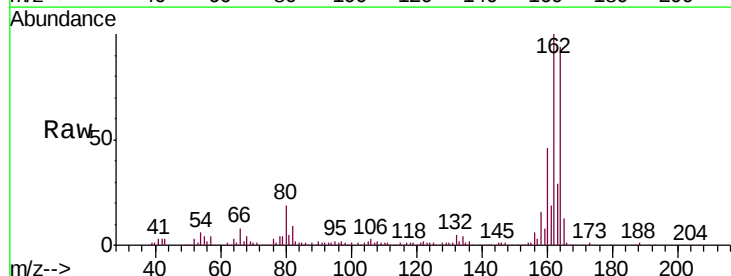
Instrument :
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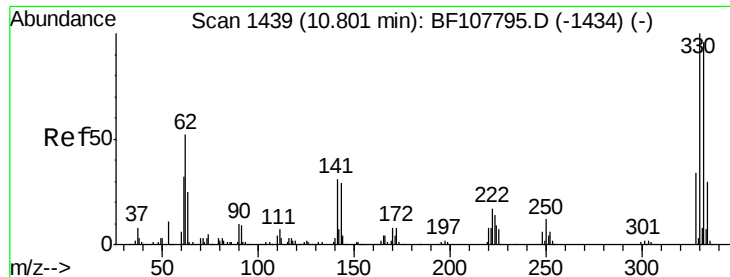
Tgt Ion	Ratio	Lower	Upper
82	100		
128	44.7	36.1	54.1
54	59.9	41.4	62.2



#38
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 10.00 min Scan# 1302
 Delta R.T. -0.01 min
 Lab File: BF107916.D
 Acq: 2 Aug 2018 18:23

Tgt Ion	Ratio	Lower	Upper
164	100		
162	106.6	86.1	129.1
160	48.8	38.3	57.5

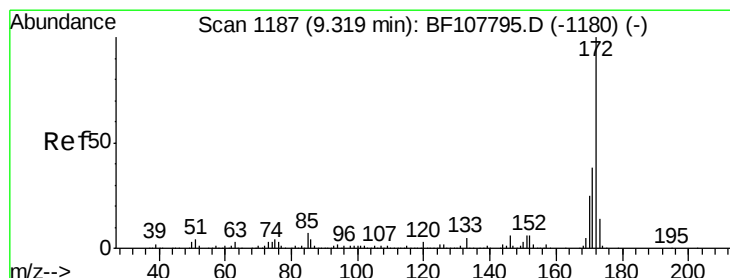
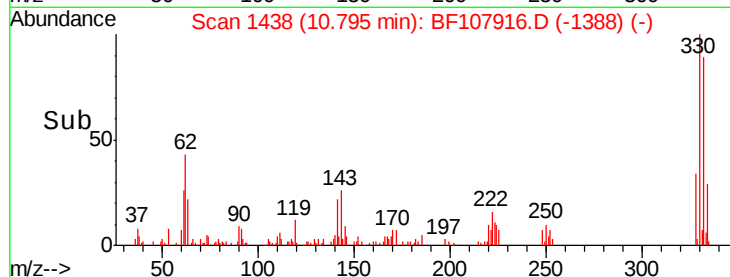
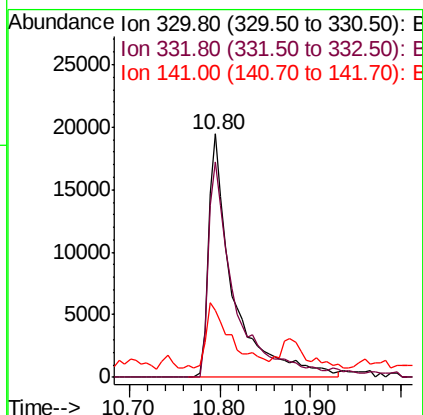
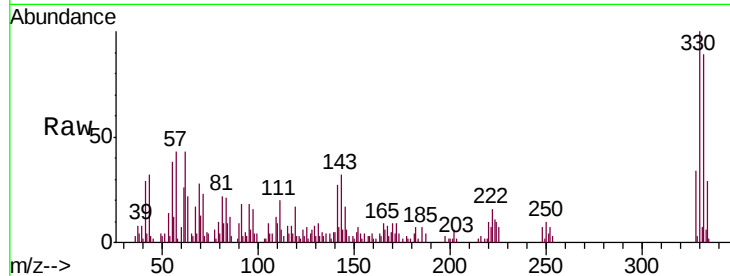




#41
 2,4,6-Tribromophenol
 Concen: 13.861 ng
 RT: 10.80 min Scan# 1438
 Delta R.T. -0.01 min
 Lab File: BF107916.D
 Acq: 2 Aug 2018 18:23

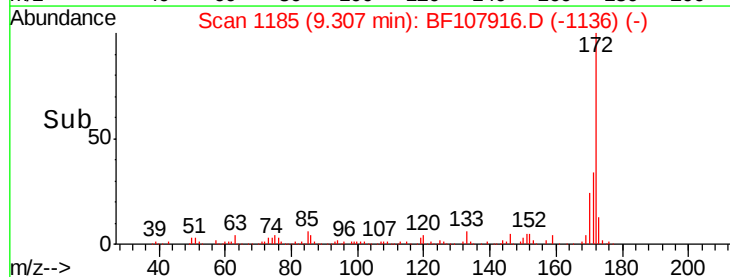
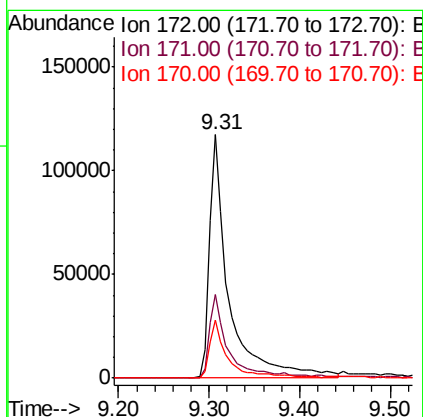
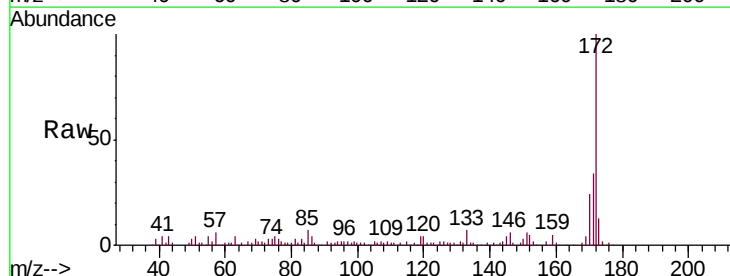
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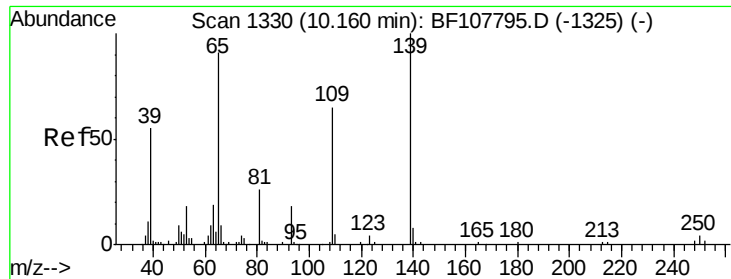
Tgt Ion:330 Resp: 37051
 Ion Ratio Lower Upper
 330 100
 332 94.0 77.0 115.6
 141 27.2 29.9 44.9#



#44
 2-Fluorobiphenyl
 Concen: 12.560 ng
 RT: 9.31 min Scan# 1185
 Delta R.T. -0.01 min
 Lab File: BF107916.D
 Acq: 2 Aug 2018 18:23

Tgt Ion:172 Resp: 177316
 Ion Ratio Lower Upper
 172 100
 171 34.5 29.7 44.5
 170 23.8 19.6 29.4

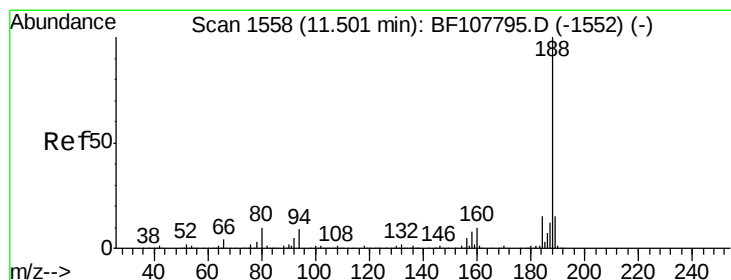
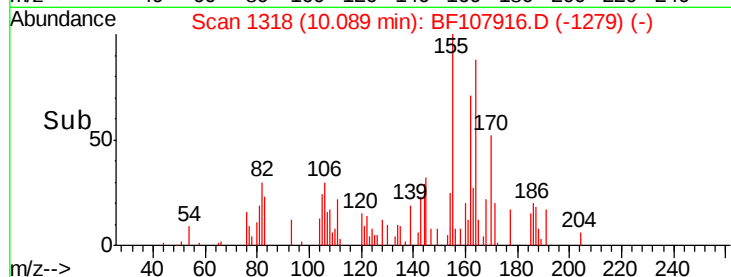
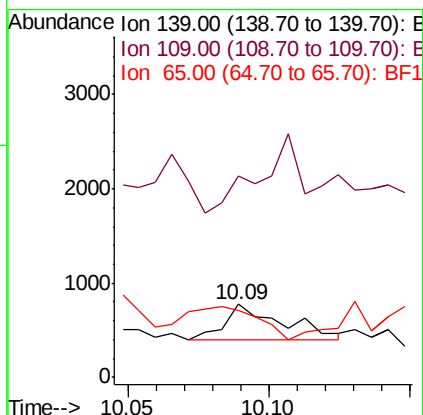
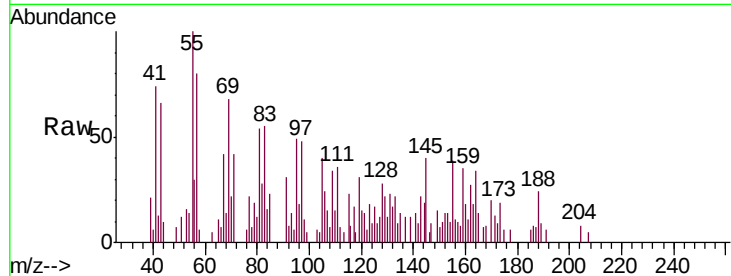




#55
4-Nitrophenol
Concen: 9.566 ng
RT: 10.09 min Scan# 1318
Delta R.T. -0.07 min
Lab File: BF107916.D
Acq: 2 Aug 2018 18:23

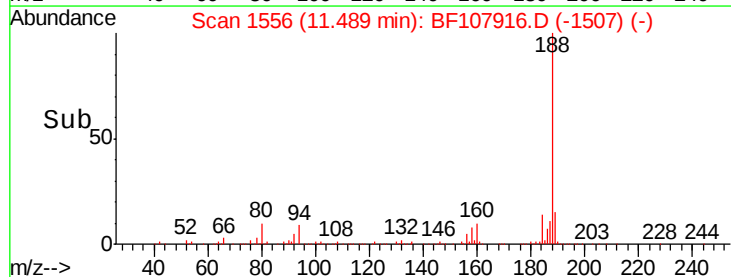
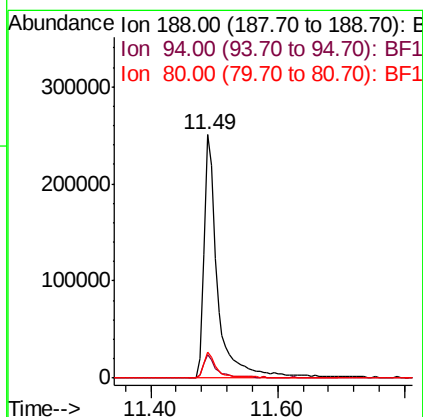
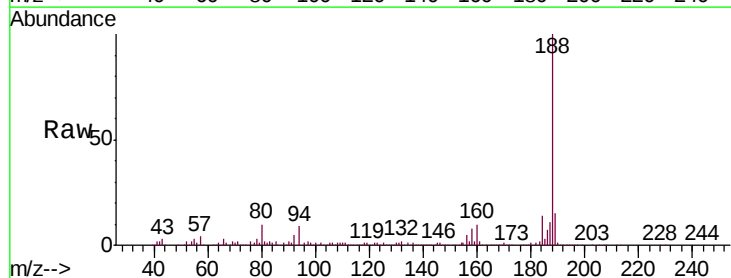
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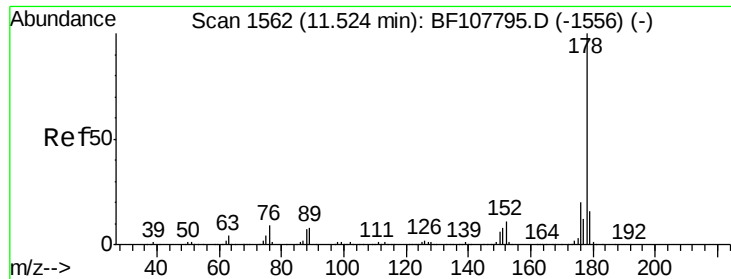
Tgt Ion:139 Resp: 547
Ion Ratio Lower Upper
139 100
109 275.7 48.4 88.4#
65 91.5 72.6 112.6



#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.49 min Scan# 1556
Delta R.T. -0.01 min
Lab File: BF107916.D
Acq: 2 Aug 2018 18:23

Tgt Ion:188 Resp: 377409
Ion Ratio Lower Upper
188 100
94 9.4 8.5 12.7
80 10.4 9.2 13.8

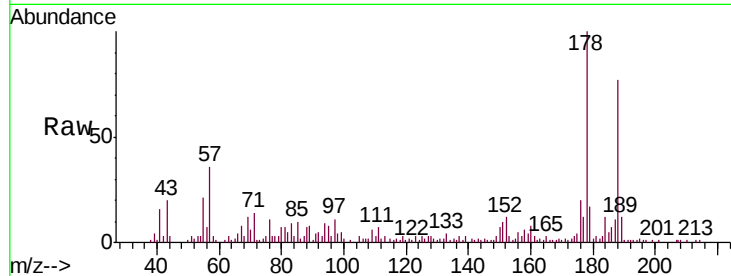




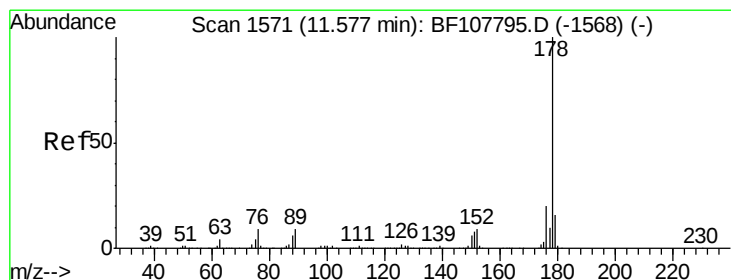
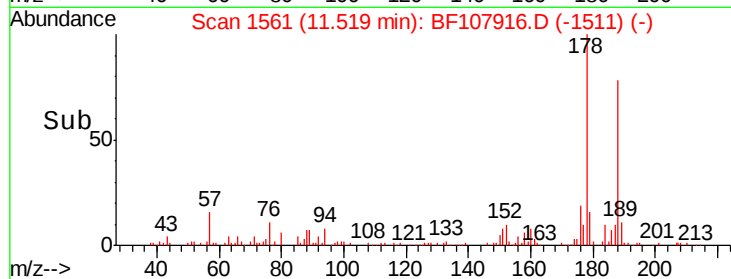
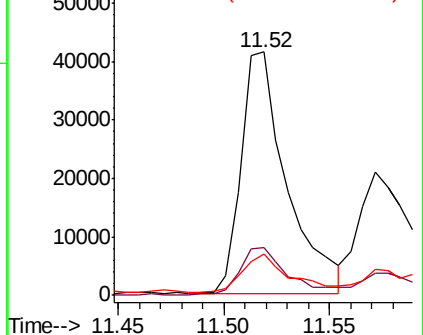
#70
Phenanthrene
Concen: 3.467 ng
RT: 11.52 min Scan# 1561
Delta R.T. -0.01 min
Lab File: BF107916.D
Acq: 2 Aug 2018 18:23

Instrument :
BNA_F
ClientSampleId :
EO-03-080118-B

Tgt Ion:178 Resp: 62129
Ion Ratio Lower Upper
178 100
176 19.9 15.8 23.8
179 17.0 13.0 19.6

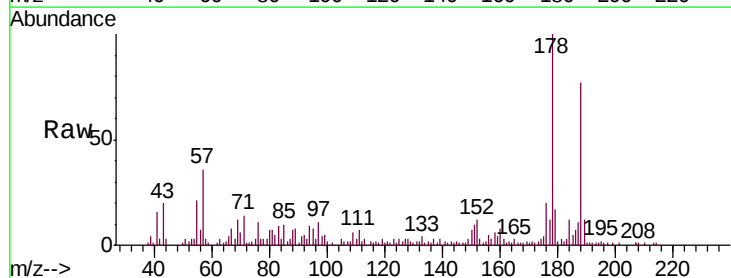


Abundance Ion 178.00 (177.70 to 178.70): E
Ion 176.00 (175.70 to 176.70): E
Ion 179.00 (178.70 to 179.70): E

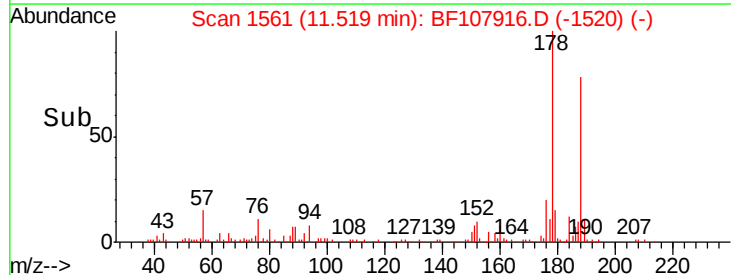
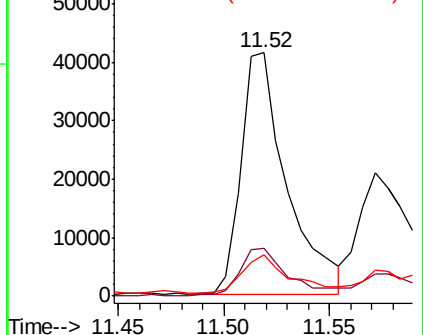


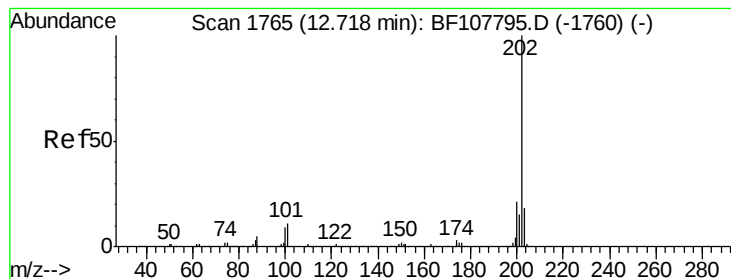
#71
Anthracene
Concen: 3.006 ng
RT: 11.52 min Scan# 1561
Delta R.T. -0.06 min
Lab File: BF107916.D
Acq: 2 Aug 2018 18:23

Tgt Ion:178 Resp: 62129
Ion Ratio Lower Upper
178 100
176 19.9 15.4 23.2
179 17.0 12.6 19.0



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





#74

Fluoranthene

Concen: 15.860 ng

RT: 12.71 min Scan# 1764

Delta R.T. -0.01 min

Lab File: BF107916.D

Acq: 2 Aug 2018 18:23

Instrument :

BNA_F

ClientSampleId :

EO-03-080118-B

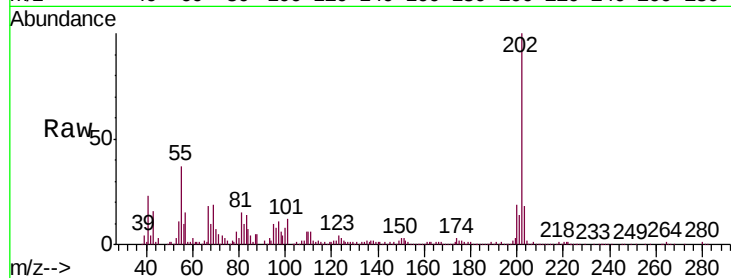
Tgt Ion:202 Resp: 333903

Ion Ratio Lower Upper

202 100

101 12.2 0.0 34.1

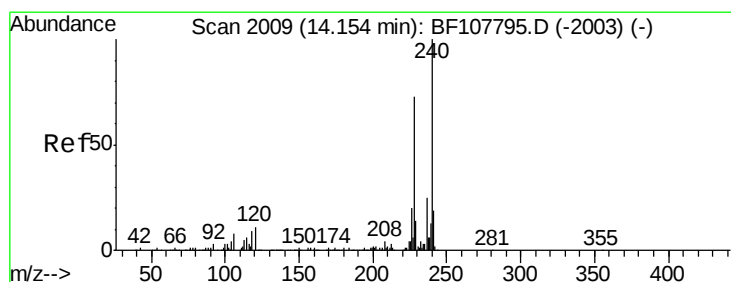
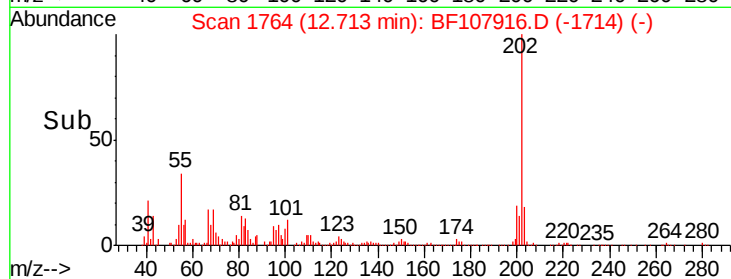
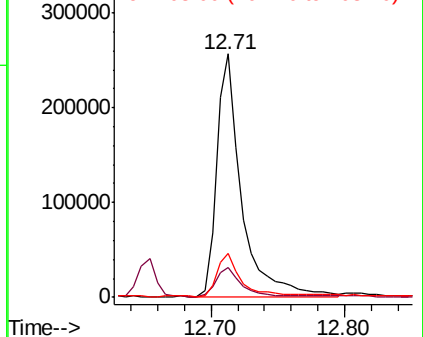
203 17.9 0.0 38.1



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



#75

Chrysene-d12

Concen: 20.000 ng

RT: 14.15 min Scan# 2008

Delta R.T. -0.01 min

Lab File: BF107916.D

Acq: 2 Aug 2018 18:23

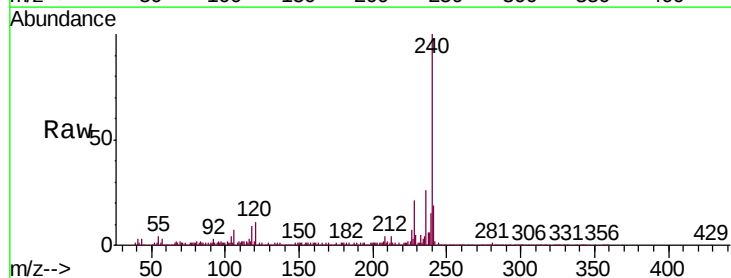
Tgt Ion:240 Resp: 388300

Ion Ratio Lower Upper

240 100

120 11.0 9.5 14.3

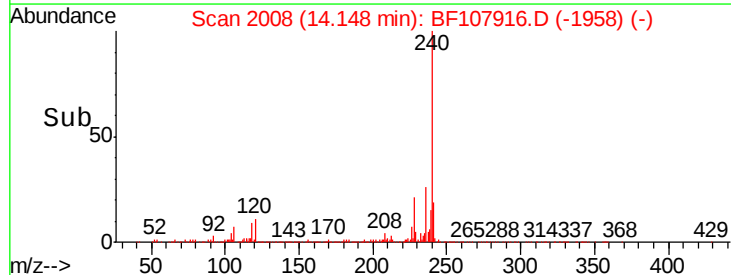
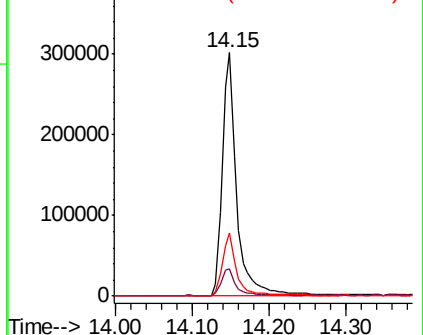
236 25.8 20.7 31.1

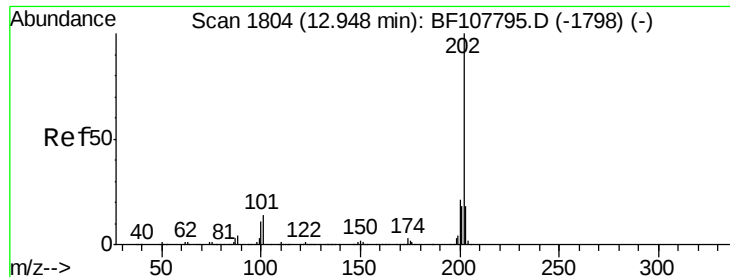


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E

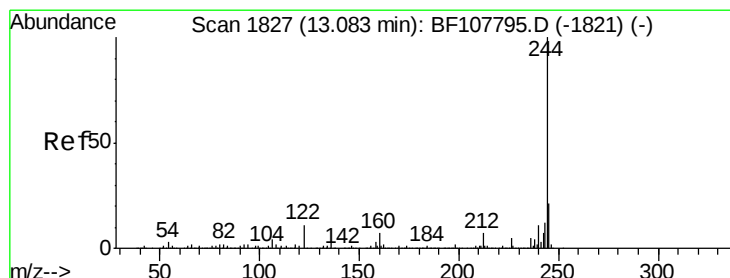
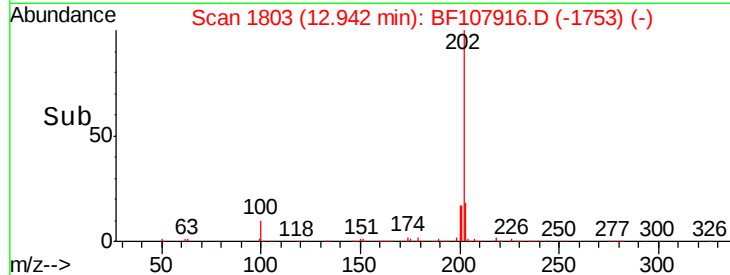
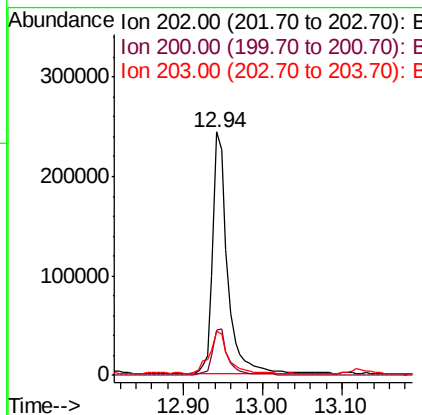
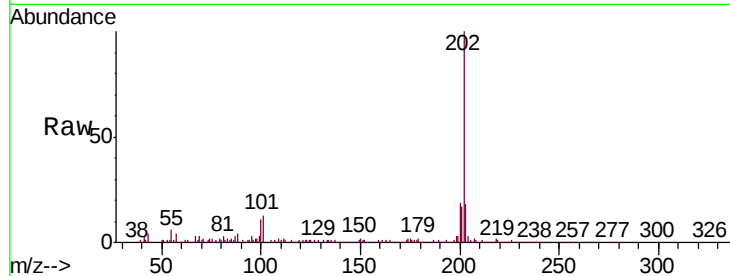




#77
 Pyrene
 Concen: 11.408 ng
 RT: 12.94 min Scan# 1803
 Delta R.T. -0.01 min
 Lab File: BF107916.D
 Acq: 2 Aug 2018 18:23

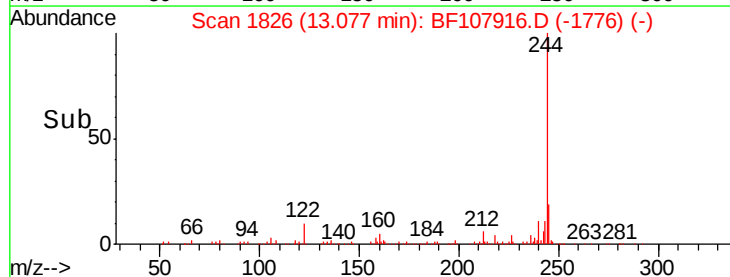
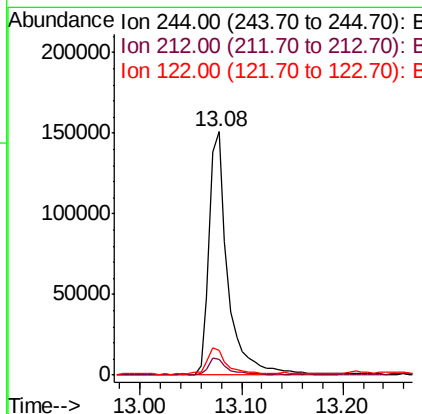
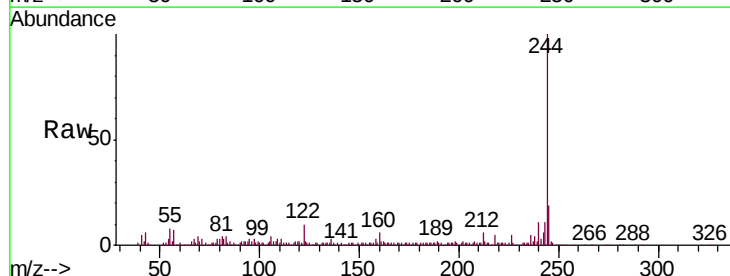
Instrument :
 BNA_F
 ClientSampleId :
 EO-03-080118-B

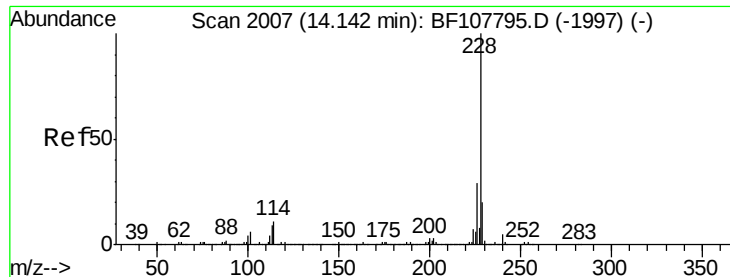
Tgt Ion: 202 Resp: 318978
 Ion Ratio Lower Upper
 202 100
 200 18.7 17.4 26.2
 203 18.2 14.3 21.5



#78
 Terphenyl-d14
 Concen: 10.915 ng
 RT: 13.08 min Scan# 1826
 Delta R.T. -0.01 min
 Lab File: BF107916.D
 Acq: 2 Aug 2018 18:23

Tgt Ion: 244 Resp: 195459
 Ion Ratio Lower Upper
 244 100
 212 6.3 5.4 8.0
 122 10.3 11.0 16.4#





#80

Benzo(a)anthracene

Concen: 9.658 ng

RT: 14.14 min Scan# 2006

Delta R.T. -0.01 min

Lab File: BF107916.D

Acq: 2 Aug 2018 18:23

Instrument :

BNA_F

ClientSampleId :

EO-03-080118-B

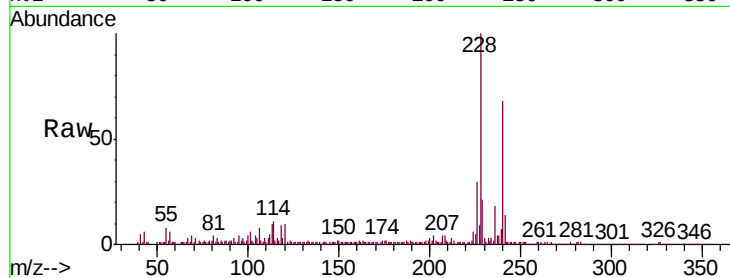
Tgt Ion:228 Resp: 212440

Ion Ratio Lower Upper

228 100

226 29.7 22.6 33.8

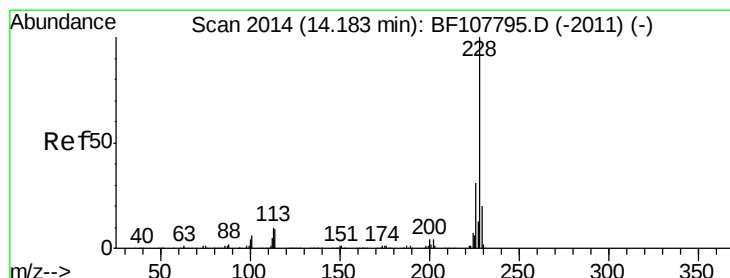
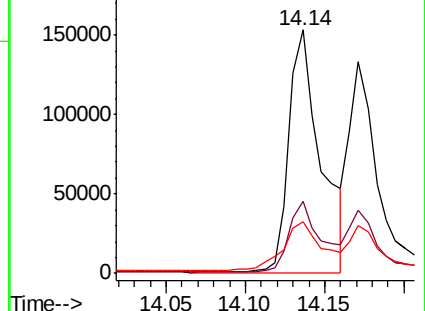
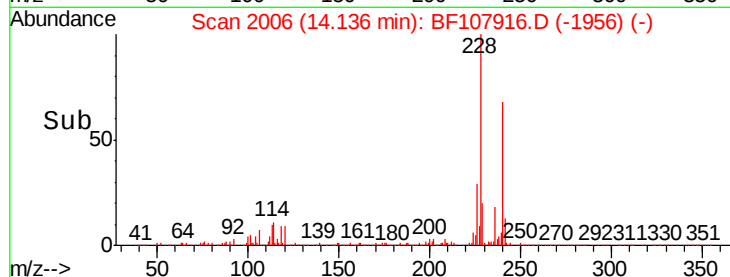
229 21.2 15.8 23.6



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



#82

Chrysene

Concen: 7.045 ng

RT: 14.17 min Scan# 2012

Delta R.T. -0.01 min

Lab File: BF107916.D

Acq: 2 Aug 2018 18:23

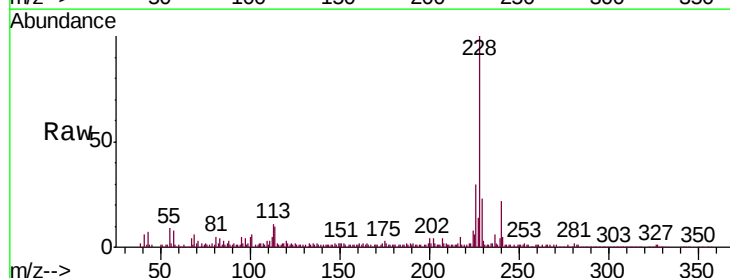
Tgt Ion:228 Resp: 167138

Ion Ratio Lower Upper

228 100

226 29.7 25.0 37.6

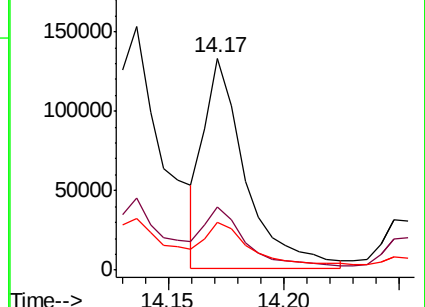
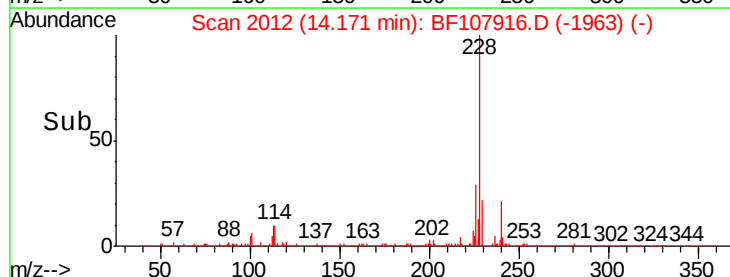
229 22.8 16.2 24.4

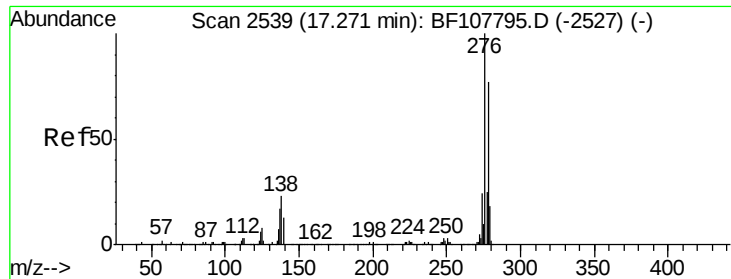


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

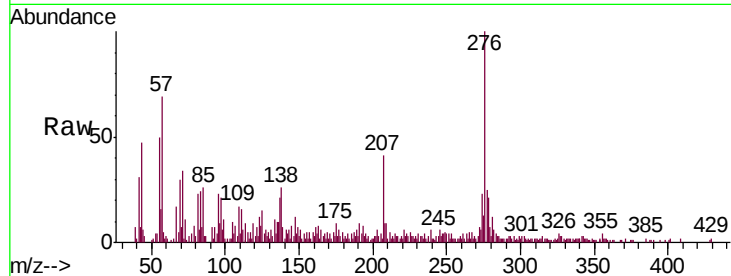




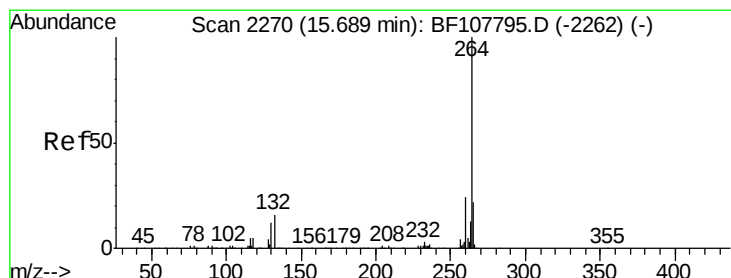
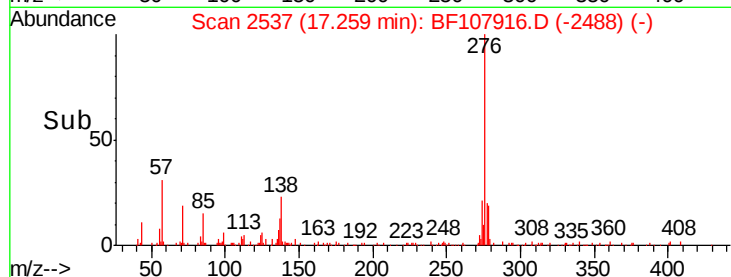
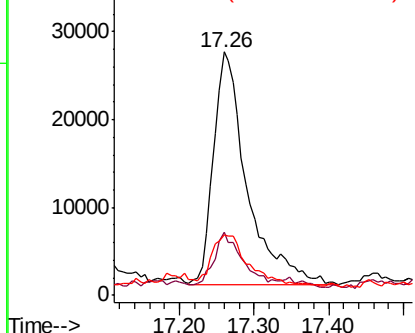
#85
Indeno(1,2,3-cd)pyrene
Concen: 4.565 ng
RT: 17.26 min Scan# 2537
Delta R.T. -0.01 min
Lab File: BF107916.D
Acq: 2 Aug 2018 18:23

Instrument :
BNA_F
ClientSampleId :
EO-03-080118-B

Tgt Ion: 276 Resp: 82375
Ion Ratio Lower Upper
276 100
138 18.0 25.0 37.6#
277 24.9 20.1 30.1

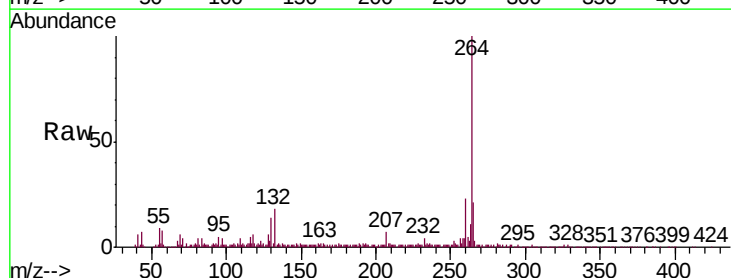


Abundance Ion 276.00 (275.70 to 276.70): E
Ion 138.00 (137.70 to 138.70): E
Ion 277.00 (276.70 to 277.70): E

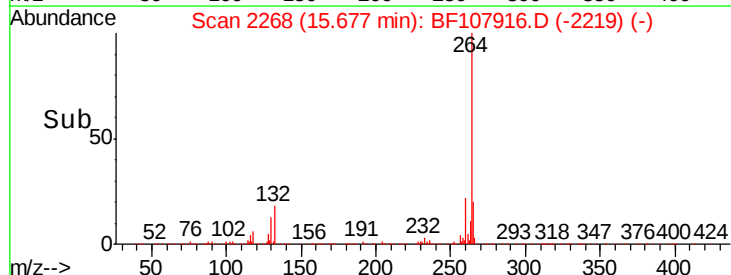
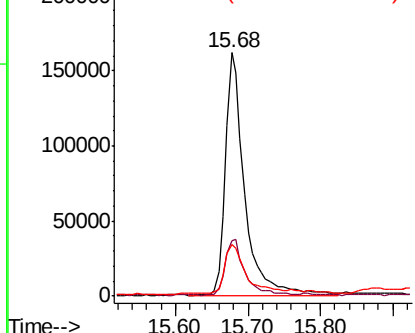


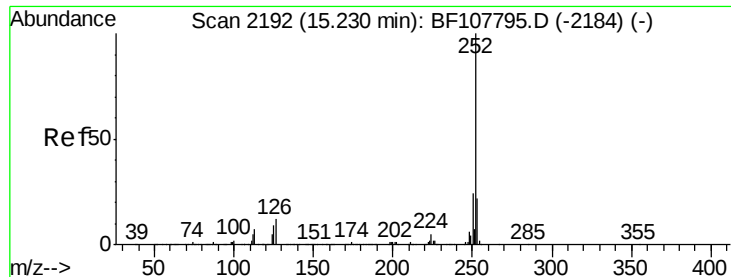
#86
Perylene-d12
Concen: 20.000 ng
RT: 15.68 min Scan# 2268
Delta R.T. -0.01 min
Lab File: BF107916.D
Acq: 2 Aug 2018 18:23

Tgt Ion: 264 Resp: 297026
Ion Ratio Lower Upper
264 100
260 22.6 19.2 28.8
265 21.3 17.5 26.3



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





#87

Benzo(b)fluoranthene

Concen: 20.897 ng

RT: 15.22 min Scan# 2191

Delta R.T. -0.01 min

Lab File: BF107916.D

Acq: 2 Aug 2018 18:23

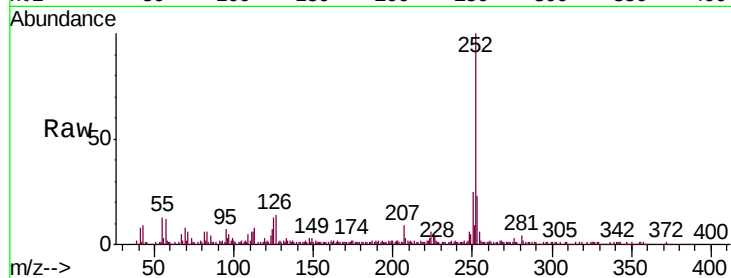
Instrument :

BNA_F

ClientSampleId :

EO-03-080118-B

Tgt Ion:	252	Resp:	306124
Ion	Ratio	Lower	Upper
252	100		
253	23.0	17.0	25.6
125	12.7	9.0	13.6

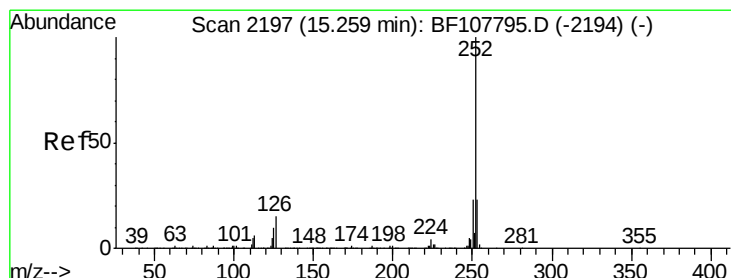
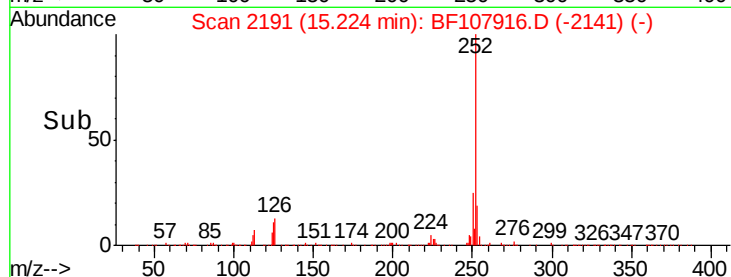
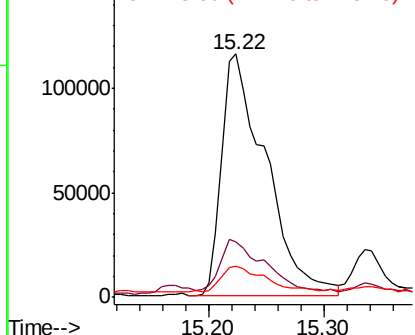


Abundance

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



#88

Benzo(k)fluoranthene

Concen: 17.020 ng

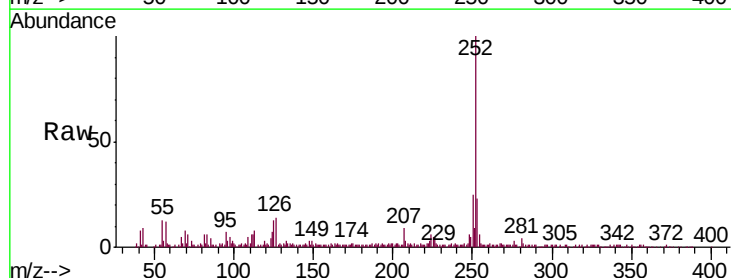
RT: 15.22 min Scan# 2191

Delta R.T. -0.04 min

Lab File: BF107916.D

Acq: 2 Aug 2018 18:23

Tgt Ion:	252	Resp:	306124
Ion	Ratio	Lower	Upper
252	100		
253	23.0	17.9	26.9
125	12.7	10.2	15.2

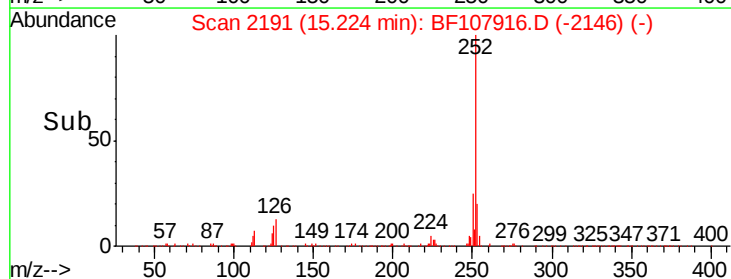
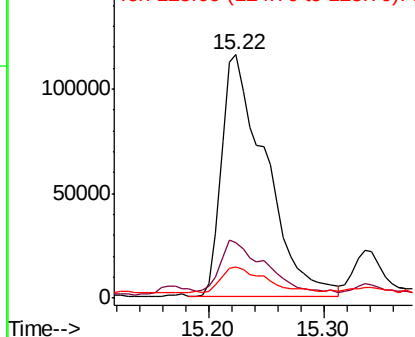


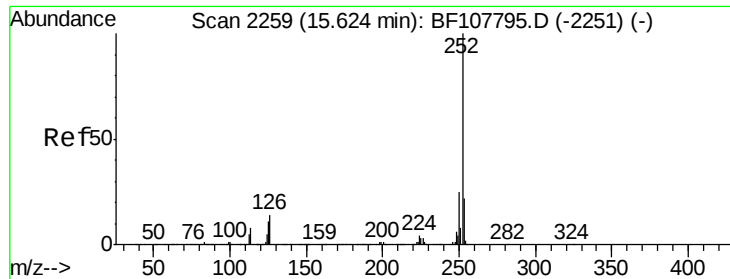
Abundance

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





#89

Benzo(a)pyrene

Concen: 10.222 ng

RT: 15.61 min Scan# 2257

Delta R.T. -0.01 min

Lab File: BF107916.D

Acq: 2 Aug 2018 18:23

Instrument :

BNA_F

ClientSampleId :

EO-03-080118-B

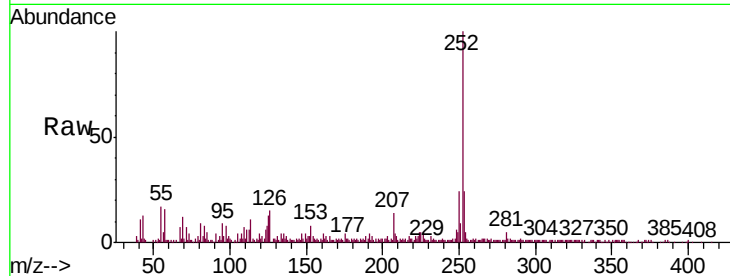
Tgt Ion:252 Resp: 154593

Ion Ratio Lower Upper

252 100

253 24.4 17.1 25.7

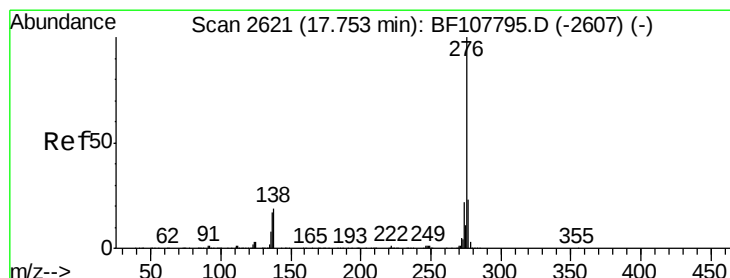
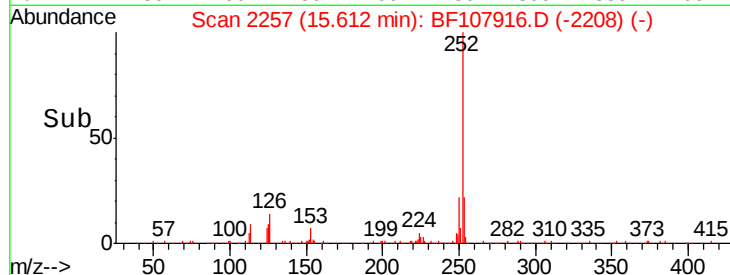
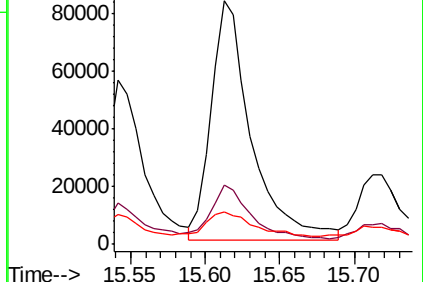
125 13.3 9.8 14.6



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



#91

Benzo(g,h,i)perylene

Concen: 5.895 ng

RT: 17.75 min Scan# 2620

Delta R.T. -0.01 min

Lab File: BF107916.D

Acq: 2 Aug 2018 18:23

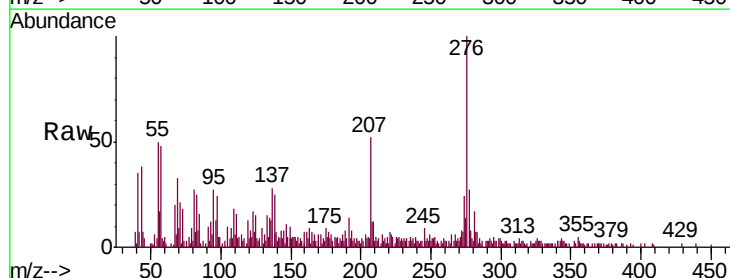
Tgt Ion:276 Resp: 75244

Ion Ratio Lower Upper

276 100

277 26.6 17.9 26.9

138 31.1 21.8 32.8



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

