

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF012919\
 Data File : BF112296.D
 Acq On : 29 Jan 2019 15:43
 Operator : JU/SJ
 Sample : K1010-07 5X
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 OK-03-012819-A

Quant Time: Jan 30 00:08:42 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF012519.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Jan 28 10:38:18 2019
 Response via : Initial Calibration

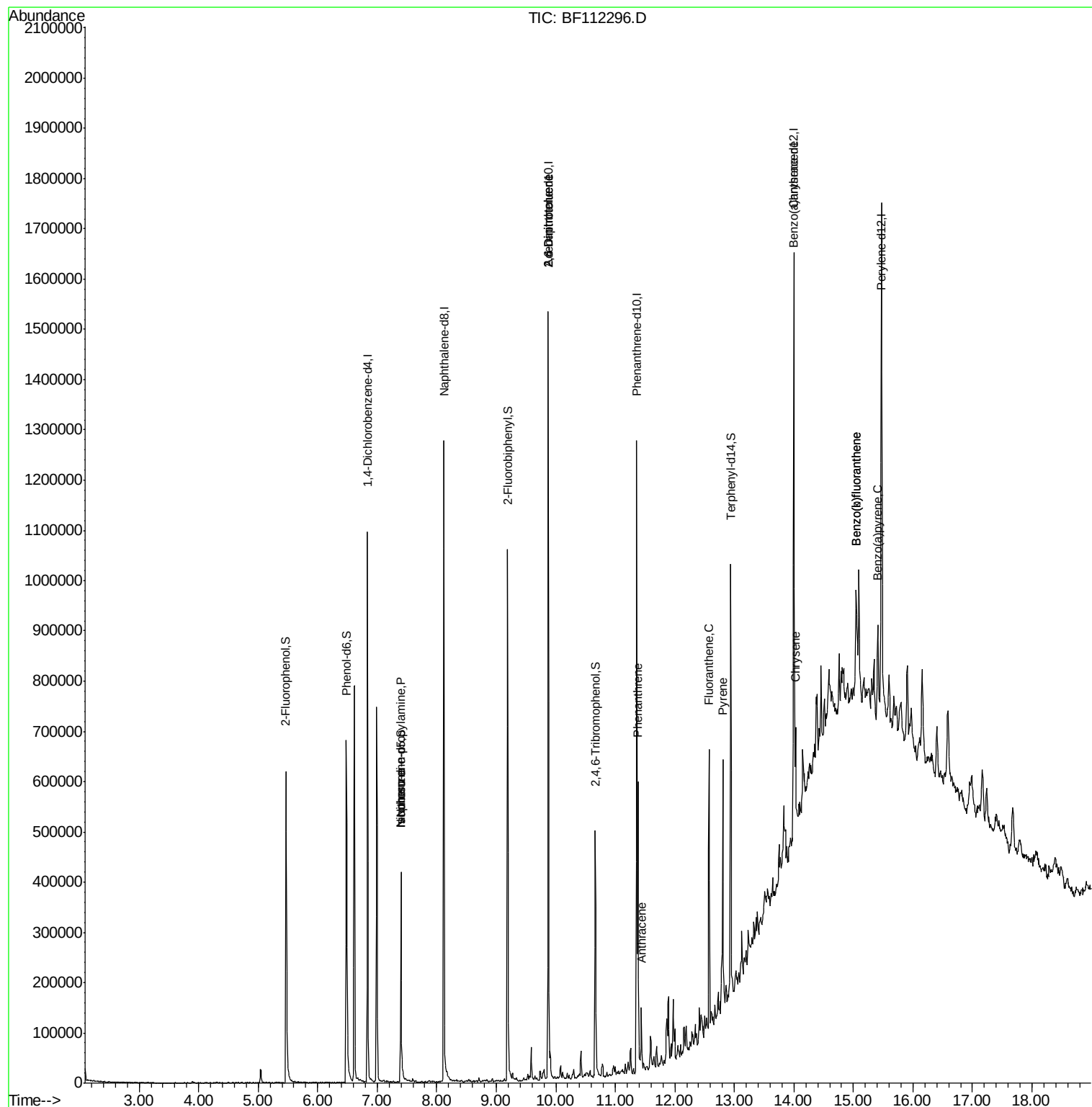
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.84	152	169270	20.00	ng	0.00
21) Naphthalene-d8	8.12	136	642326	20.00	ng	0.00
39) Acenaphthene-d10	9.87	164	295853	20.00	ng	-0.01
64) Phenanthrene-d10	11.36	188	503250	20.00	ng	-0.01
76) Chrysene-d12	14.00	240	388733	20.00	ng	0.00
87) Perylene-d12	15.47	264	401082	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.47	112	208532	26.17	ng	-0.01
7) Phenol-d6	6.48	99	259699	23.45	ng	-0.01
23) Nitrobenzene-d5	7.40	82	156272	14.02	ng	-0.01
42) 2,4,6-Tribromophenol	10.66	330	64394	18.70	ng	-0.02
45) 2-Fluorobiphenyl	9.19	172	340884	16.30	ng	-0.01
79) Terphenyl-d14	12.94	244	274126	13.28	ng	-0.01
Target Compounds						
19) n-Nitroso-di-n-propylamine	7.40	70	20625	2.701	ng	# 75
25) Isophorone	7.40	82	156269	8.936	ng	# 63
51) 2,6-Dinitrotoluene	9.87	165	38161	7.413	ng	# 34
57) 2,4-Dinitrotoluene	9.87	165	38161	5.823	ng	# 32
71) Phenanthrene	11.39	178	225822	8.631	ng	96
72) Anthracene	11.43	178	53131	2.039	ng	99
75) Fluoranthene	12.57	202	215456	7.678	ng	97
78) Pyrene	12.80	202	188833	7.016	ng	98
81) Benzo(a)anthracene	13.99	228	91455	4.002	ng	97
83) Chrysene	14.03	228	76255	3.496	ng	98
88) Benzo(b)fluoranthene	15.04	252	115691	4.823	ng	# 80
89) Benzo(k)fluoranthene	15.04	252	115691	5.035	ng	# 80
90) Benzo(a)pyrene	15.41	252	66084	3.062	ng	# 86

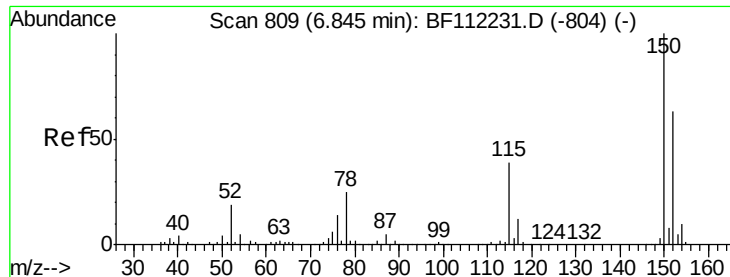
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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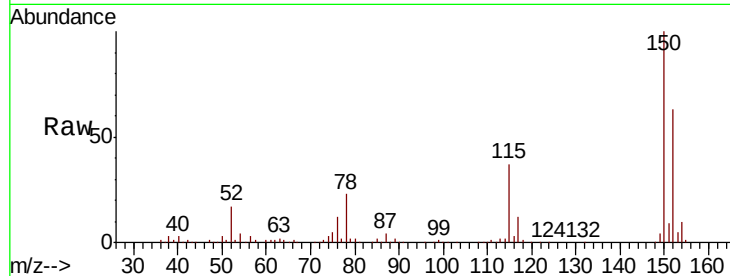


#1

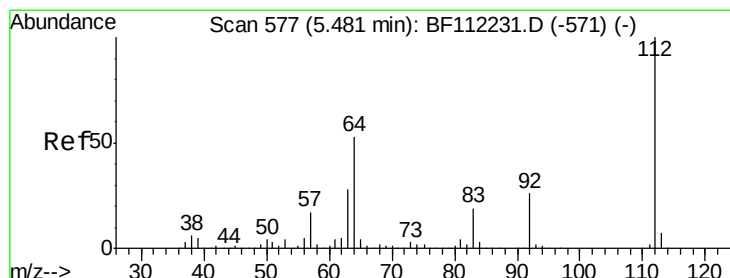
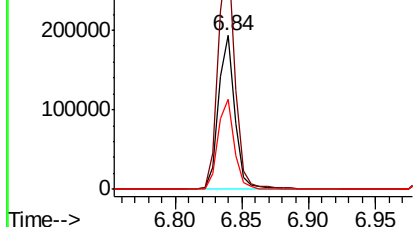
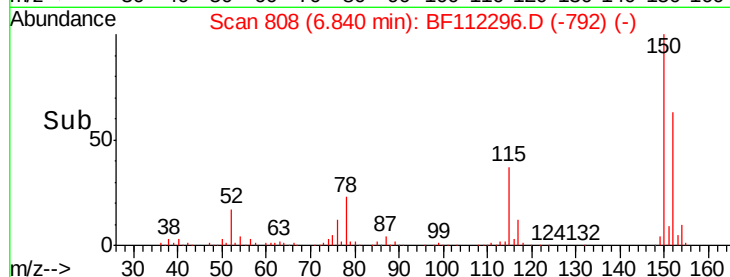
1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.84 min Scan# 808
 Delta R.T. -0.01 min
 Lab File: BF112296.D
 Acq: 29 Jan 2019 15:43

Instrument :
 BNA_F
 ClientSampleId :
 OK-03-012819-A

Tgt Ion:152 Resp: 169270
 Ion Ratio Lower Upper
 152 100
 150 158.4 127.4 191.0
 115 58.7 45.5 68.3



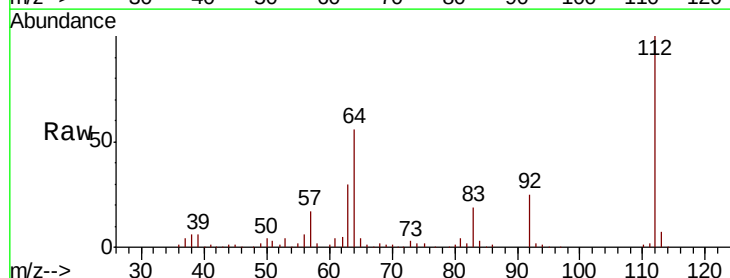
Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E



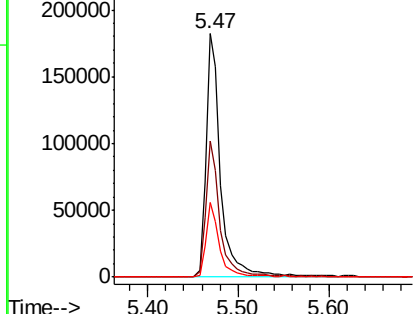
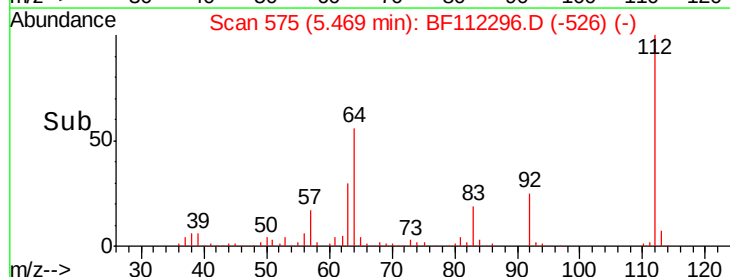
#5

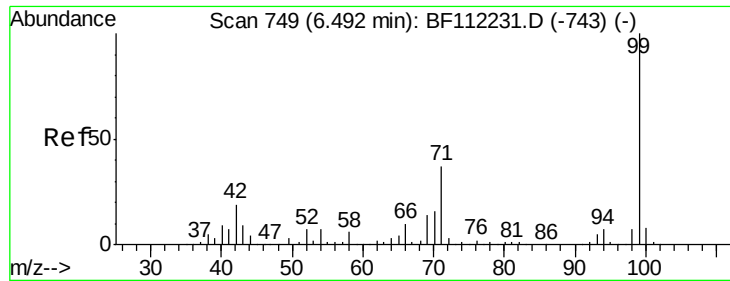
2-Fluorophenol
 Concen: 26.167 ng
 RT: 5.47 min Scan# 575
 Delta R.T. -0.01 min
 Lab File: BF112296.D
 Acq: 29 Jan 2019 15:43

Tgt Ion:112 Resp: 208532
 Ion Ratio Lower Upper
 112 100
 64 55.9 45.7 68.5
 63 30.5 23.6 35.4



Abundance Ion 112.00 (111.70 to 112.70): E
 Ion 64.00 (63.70 to 64.70): BF1
 Ion 63.00 (62.70 to 63.70): BF1





#7

Phenol-d6

Concen: 23.452 ng

RT: 6.48 min Scan# 747

Delta R.T. -0.01 min

Lab File: BF112296.D

Acq: 29 Jan 2019 15:43

Instrument :

BNA_F

ClientSampleId :

OK-03-012819-A

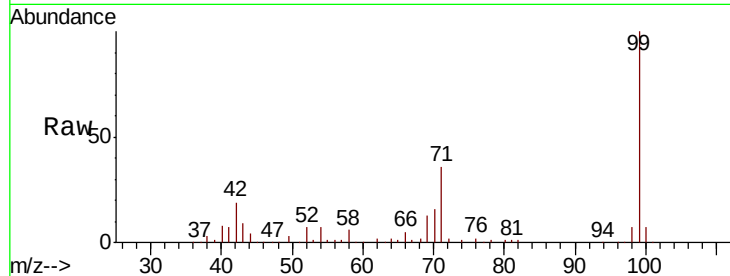
Tgt Ion: 99 Resp: 259699

Ion Ratio Lower Upper

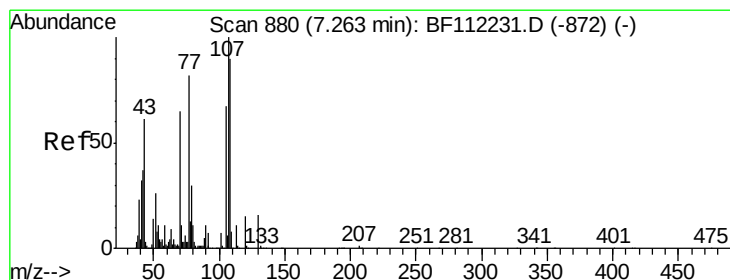
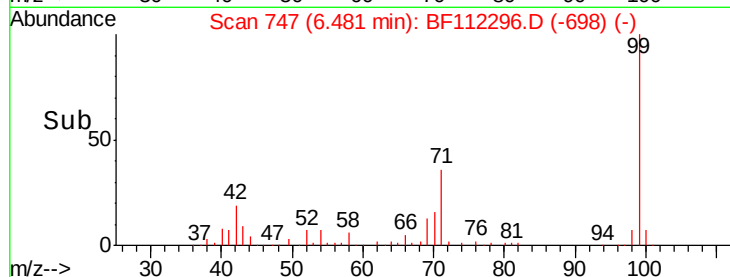
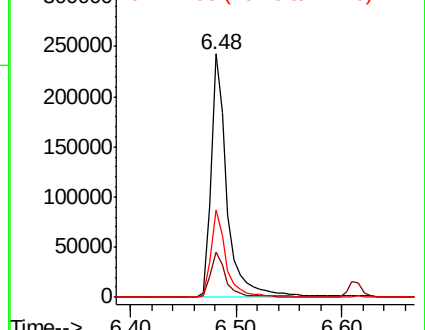
99 100

42 18.8 15.1 22.7

71 36.1 26.9 40.3



Abundance Ion 99.00 (98.70 to 99.70): BF1
Ion 42.00 (41.70 to 42.70): BF1
Ion 71.00 (70.70 to 71.70): BF1



#19

n-Nitroso-di-n-propylamine

Concen: 2.701 ng

RT: 7.40 min Scan# 903

Delta R.T. 0.14 min

Lab File: BF112296.D

Acq: 29 Jan 2019 15:43

Tgt Ion: 70 Resp: 20625

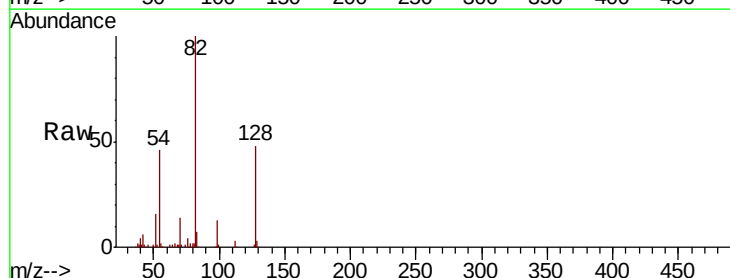
Ion Ratio Lower Upper

70 100

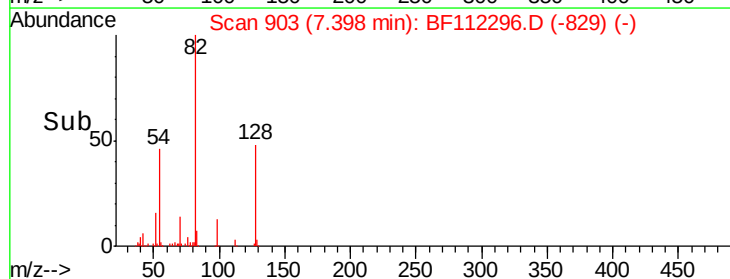
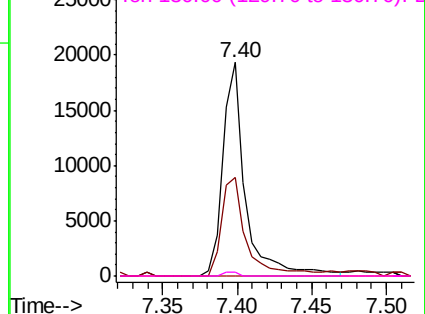
42 46.1 47.6 71.4#

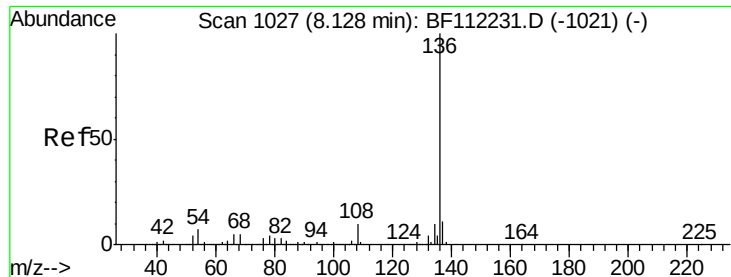
101 0.0 7.9 11.9#

130 1.8 18.4 27.6#



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

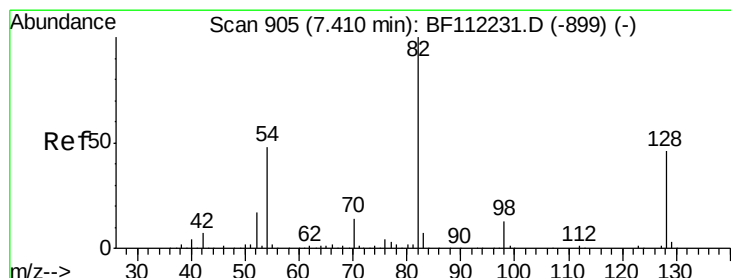
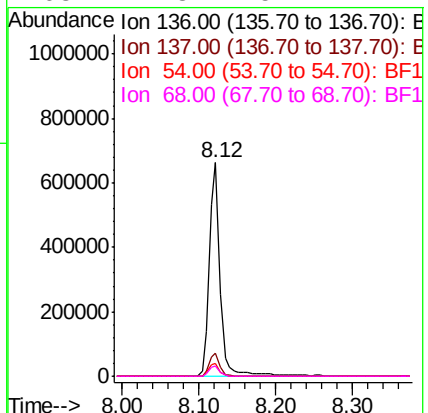
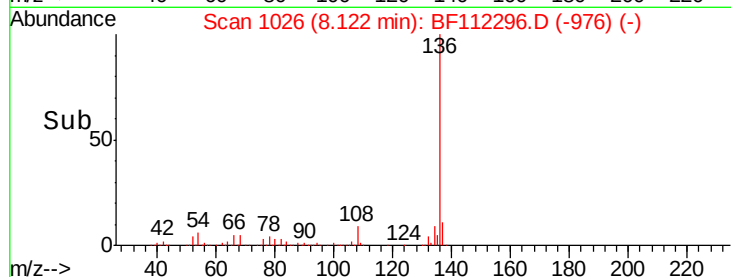
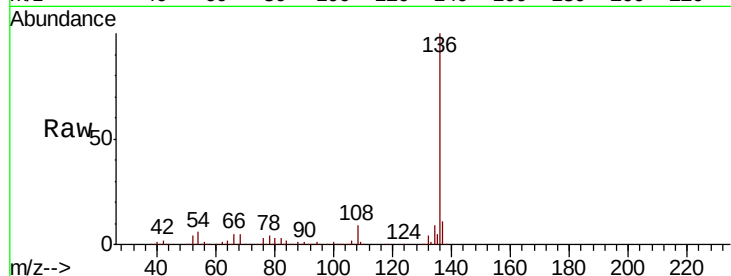




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.12 min Scan# 1026
Delta R.T. -0.01 min
Lab File: BF112296.D
Acq: 29 Jan 2019 15:43

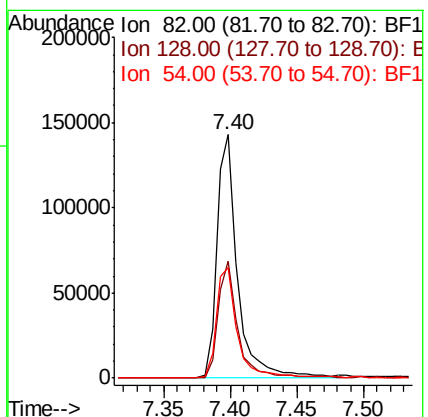
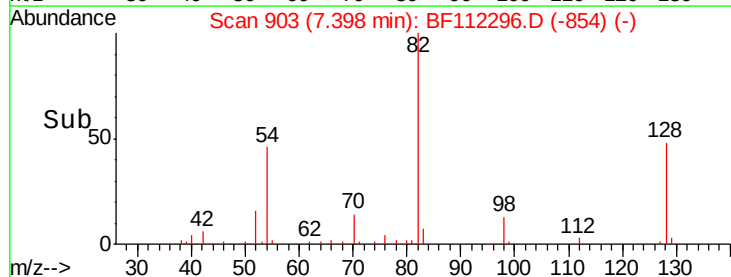
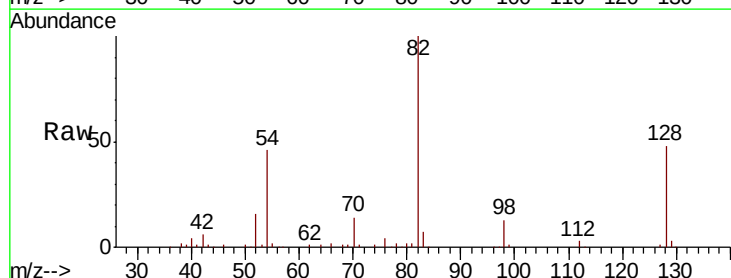
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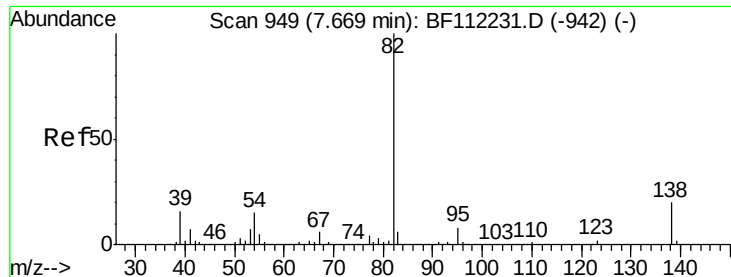
Tgt Ion: 136 Resp: 642326
Ion Ratio Lower Upper
136 100
137 10.7 9.1 13.7
54 6.0 5.9 8.9
68 4.8 5.1 7.7#



#23
Nitrobenzene-d5
Concen: 14.018 ng
RT: 7.40 min Scan# 903
Delta R.T. -0.01 min
Lab File: BF112296.D
Acq: 29 Jan 2019 15:43

Tgt Ion: 82 Resp: 156272
Ion Ratio Lower Upper
82 100
128 48.2 37.8 56.8
54 45.6 39.7 59.5





#25

Isophorone

Concen: 8.936 ng

RT: 7.40 min Scan# 903

Delta R.T. -0.27 min

Lab File: BF112296.D

Acq: 29 Jan 2019 15:43

Instrument :

BNA_F

ClientSampleId :

OK-03-012819-A

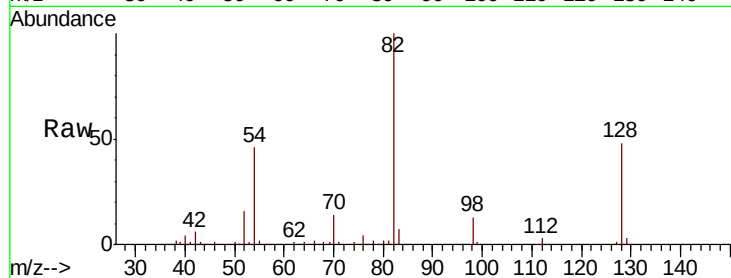
Tgt Ion: 82 Resp: 156269

Ion Ratio Lower Upper

82 100

95 0.0 5.7 8.5#

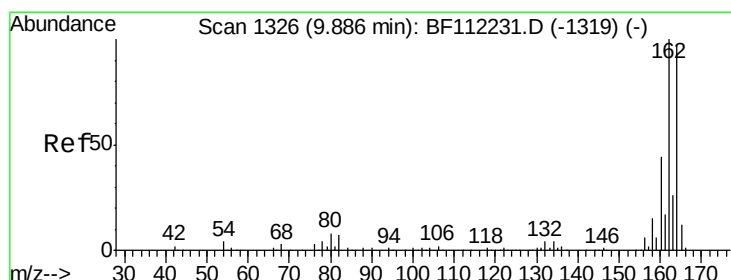
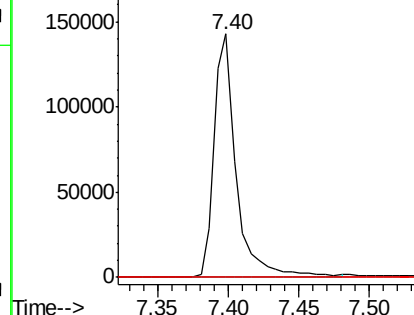
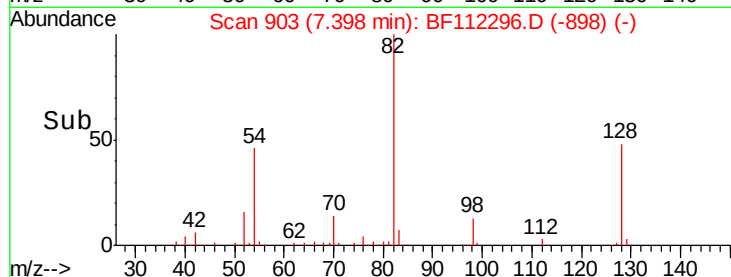
138 0.0 15.4 23.0#



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: 9.87 min Scan# 1324

Delta R.T. -0.01 min

Lab File: BF112296.D

Acq: 29 Jan 2019 15:43

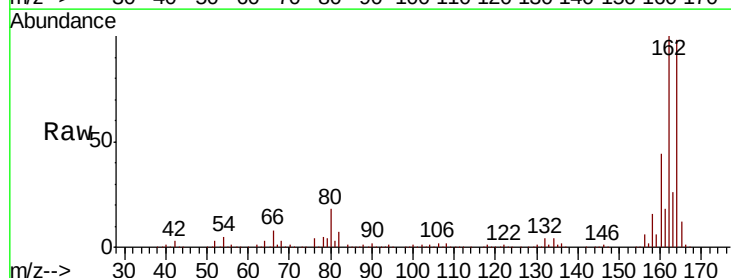
Tgt Ion: 164 Resp: 295853

Ion Ratio Lower Upper

164 100

162 101.8 82.2 123.4

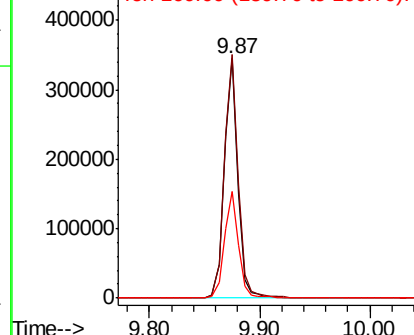
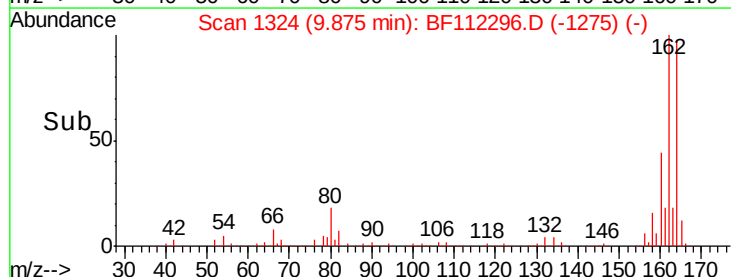
160 44.4 36.2 54.4

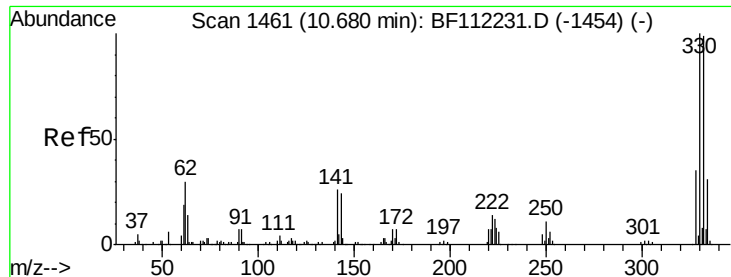


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E





#42

2,4,6-Tribromophenol

Concen: 18.699 ng

RT: 10.66 min Scan# 1458

Delta R.T. -0.02 min

Lab File: BF112296.D

Acq: 29 Jan 2019 15:43

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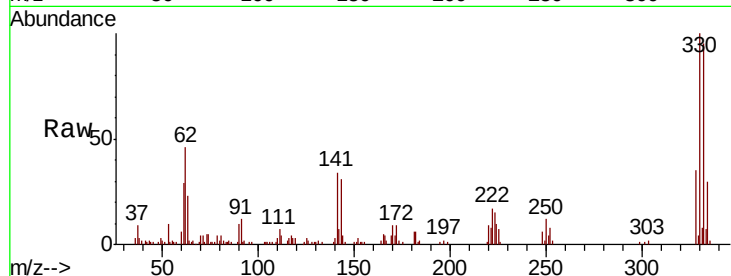
Tgt Ion:330 Resp: 64394

Ion Ratio Lower Upper

330 100

332 95.8 76.6 114.8

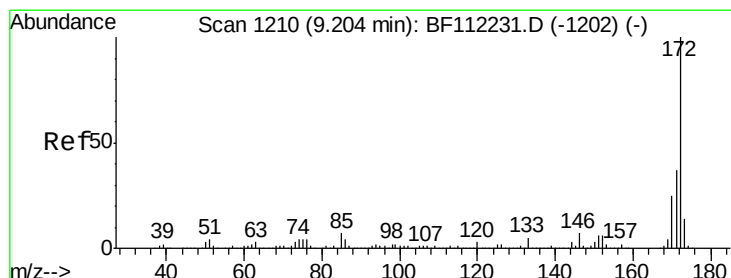
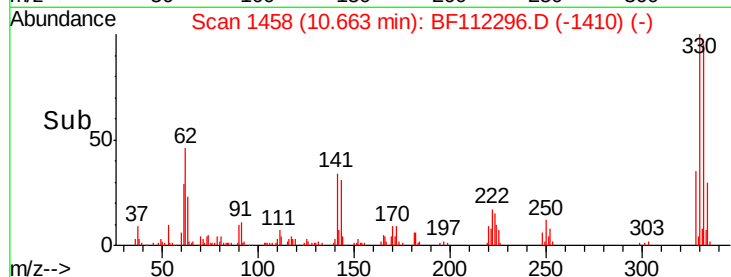
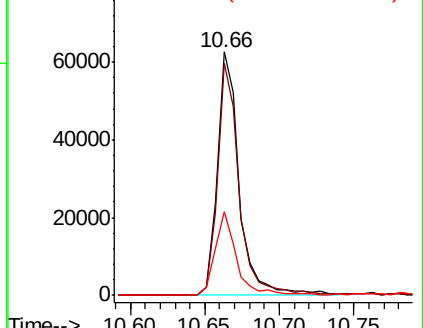
141 33.6 24.3 36.5



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: 16.296 ng

RT: 9.19 min Scan# 1208

Delta R.T. -0.01 min

Lab File: BF112296.D

Acq: 29 Jan 2019 15:43

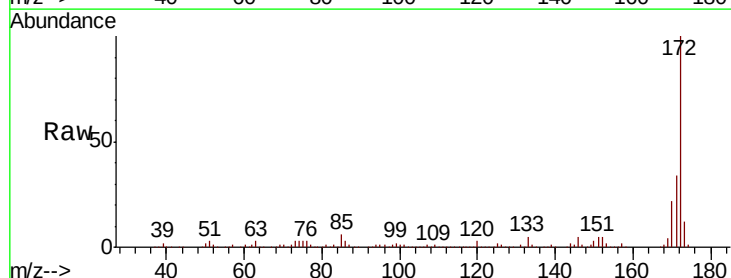
Tgt Ion:172 Resp: 340884

Ion Ratio Lower Upper

172 100

171 33.6 30.5 45.7

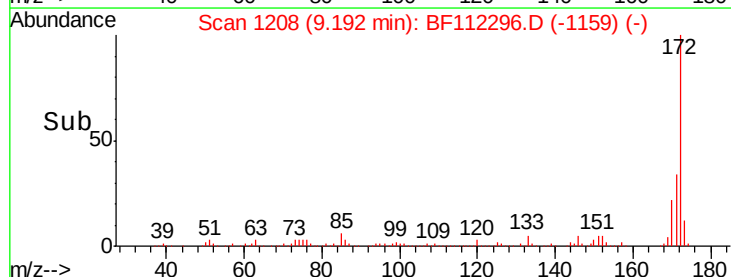
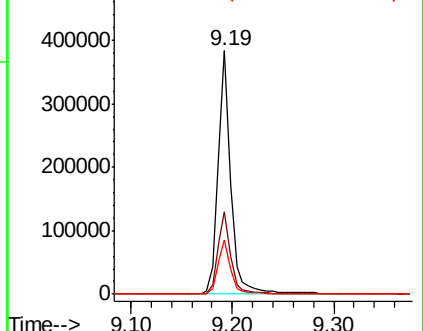
170 22.1 20.2 30.4

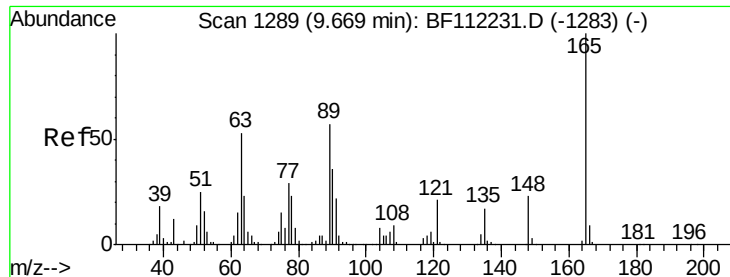


Abundance Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E

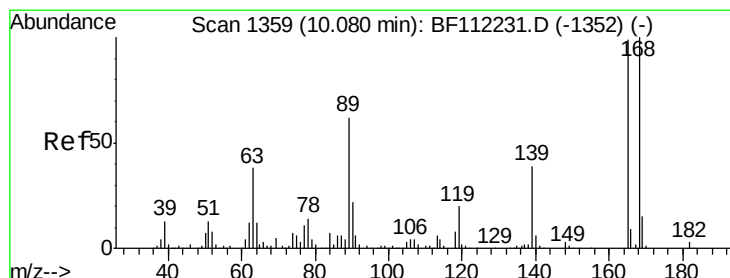
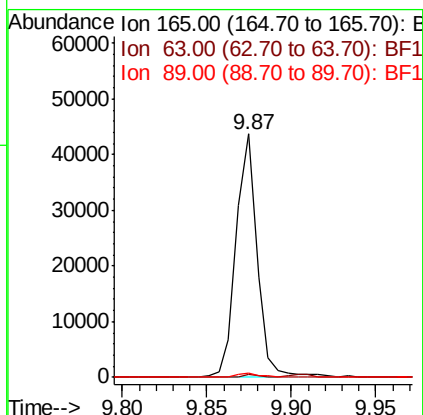
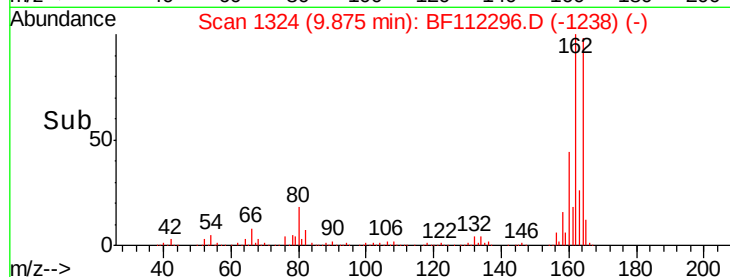
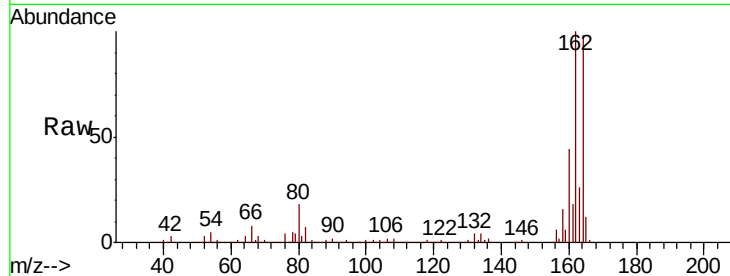




#51
 2,6-Dinitrotoluene
 Concen: 7.413 ng
 RT: 9.87 min Scan# 1324
 Delta R.T. 0.21 min
 Lab File: BF112296.D
 Acq: 29 Jan 2019 15:43

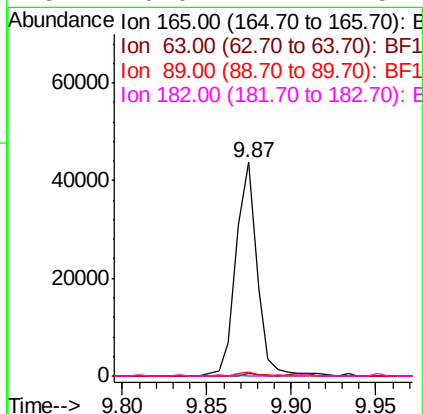
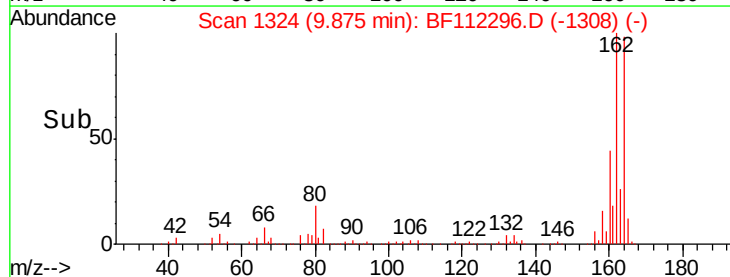
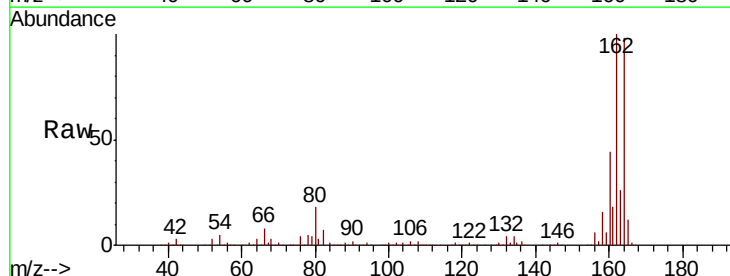
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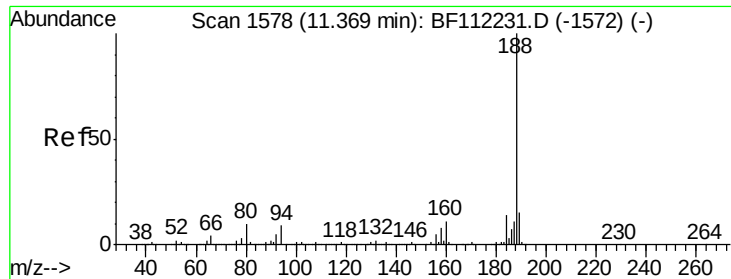
Tgt Ion	Ratio	Lower	Upper
165	100		
63	1.1	33.8	50.8#
89	1.8	36.9	55.3#



#57
 2,4-Dinitrotoluene
 Concen: 5.823 ng
 RT: 9.87 min Scan# 1324
 Delta R.T. -0.21 min
 Lab File: BF112296.D
 Acq: 29 Jan 2019 15:43

Tgt Ion	Ratio	Lower	Upper
165	100		
63	1.1	27.9	41.9#
89	1.8	47.9	71.9#
182	0.0	2.2	3.4#

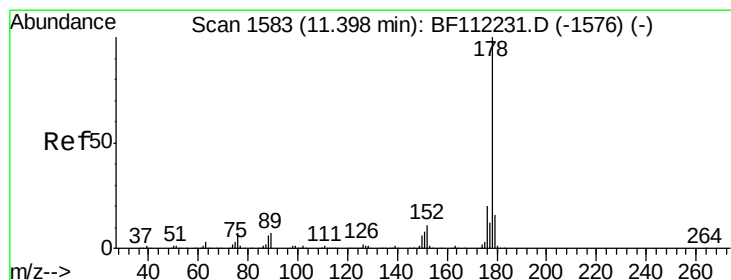
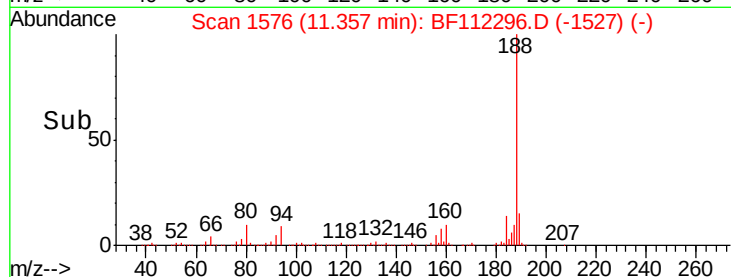
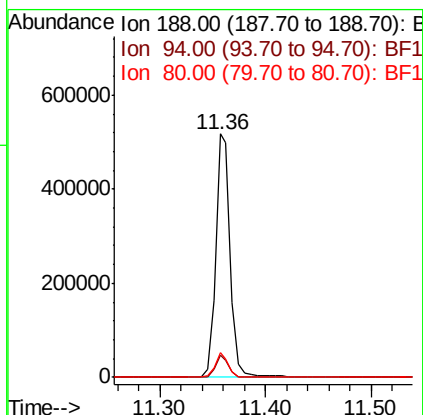
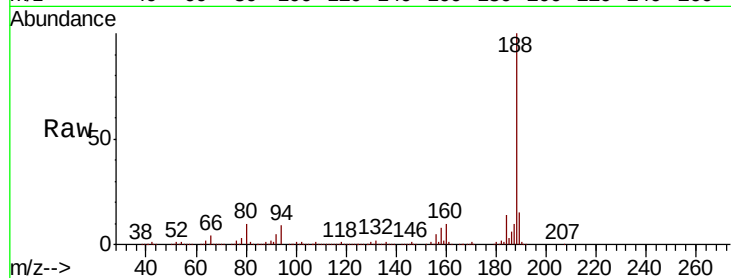




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.36 min Scan# 1576
Delta R.T. -0.01 min
Lab File: BF112296.D
Acq: 29 Jan 2019 15:43

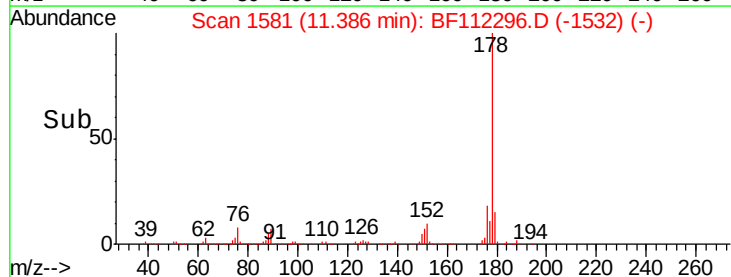
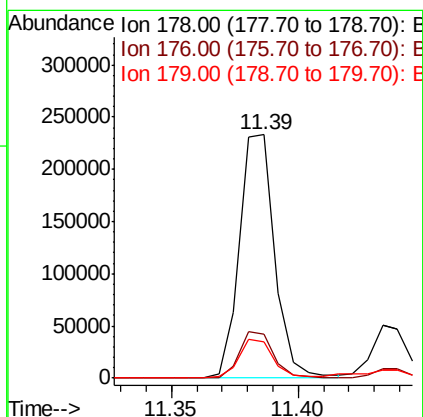
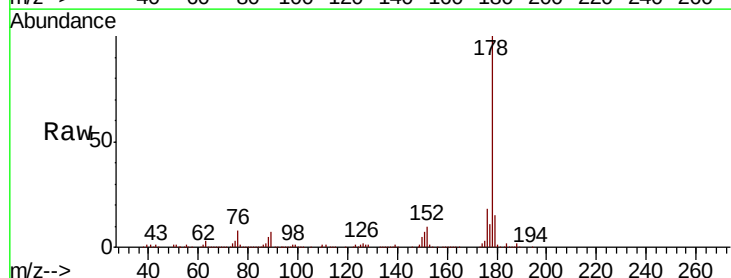
Instrument :
BNA_F
ClientSampleId :
OK-03-012819-A

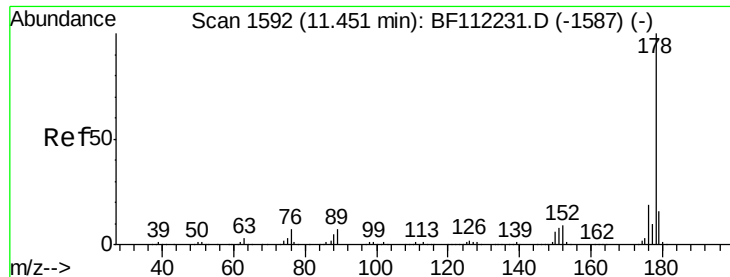
Tgt Ion:188 Resp: 503250
Ion Ratio Lower Upper
188 100
94 9.3 8.2 12.2
80 10.3 8.9 13.3



#71
Phenanthrene
Concen: 8.631 ng
RT: 11.39 min Scan# 1581
Delta R.T. -0.01 min
Lab File: BF112296.D
Acq: 29 Jan 2019 15:43

Tgt Ion:178 Resp: 225822
Ion Ratio Lower Upper
178 100
176 17.9 16.3 24.5
179 14.9 13.0 19.4

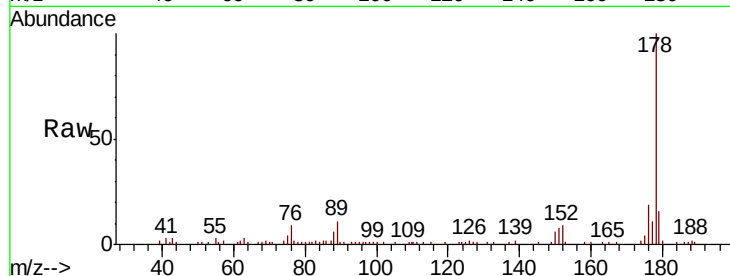




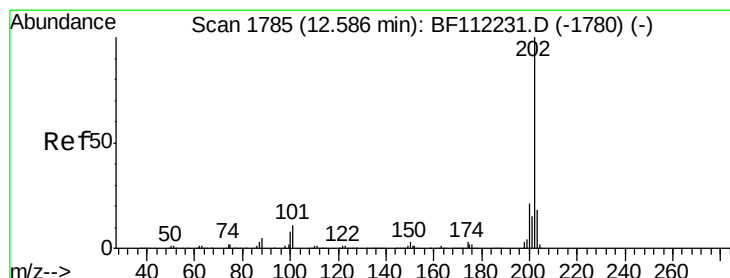
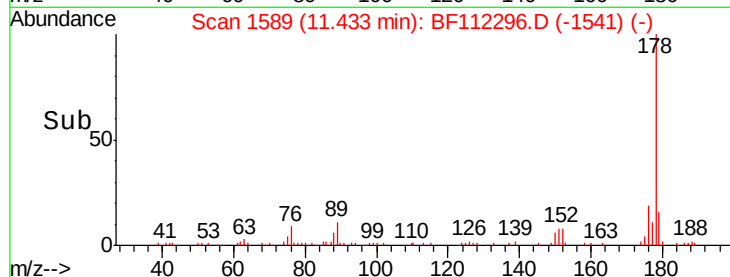
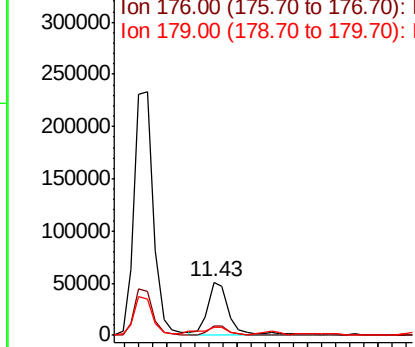
#72
 Anthracene
 Concen: 2.039 ng
 RT: 11.43 min Scan# 1589
 Delta R.T. -0.02 min
 Lab File: BF112296.D
 Acq: 29 Jan 2019 15:43

Instrument :
 BNA_F
 ClientSampleId :
 OK-03-012819-A

Tgt Ion:178 Resp: 53131
 Ion Ratio Lower Upper
 178 100
 176 18.8 15.5 23.3
 179 16.0 12.8 19.2

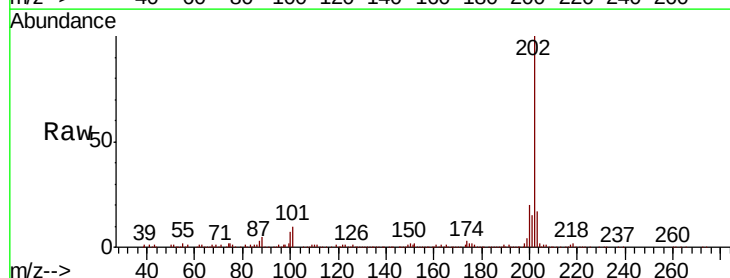


Abundance Ion 178.00 (177.70 to 178.70): E
 Ion 176.00 (175.70 to 176.70): E
 Ion 179.00 (178.70 to 179.70): E

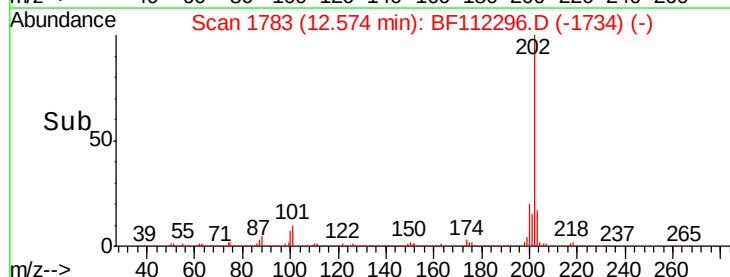
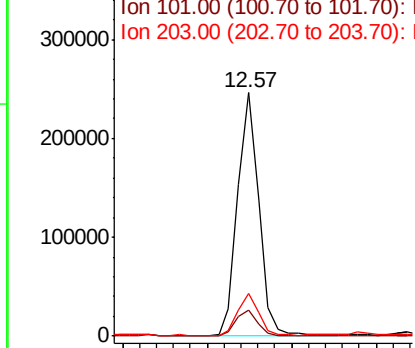


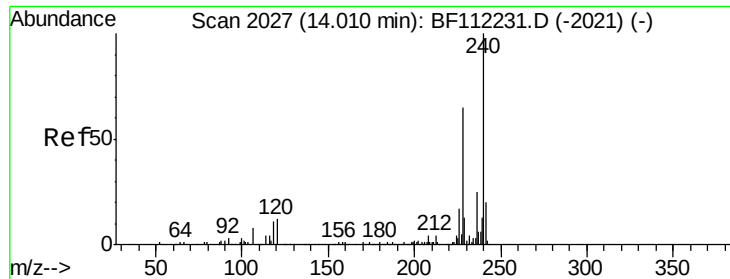
#75
 Fluoranthene
 Concen: 7.678 ng
 RT: 12.57 min Scan# 1783
 Delta R.T. -0.01 min
 Lab File: BF112296.D
 Acq: 29 Jan 2019 15:43

Tgt Ion:202 Resp: 215456
 Ion Ratio Lower Upper
 202 100
 101 10.5 0.0 31.8
 203 17.4 0.0 38.4



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

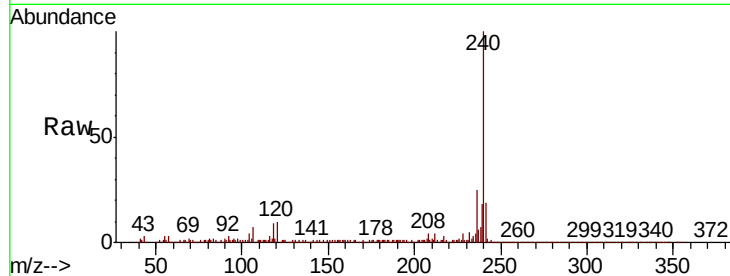




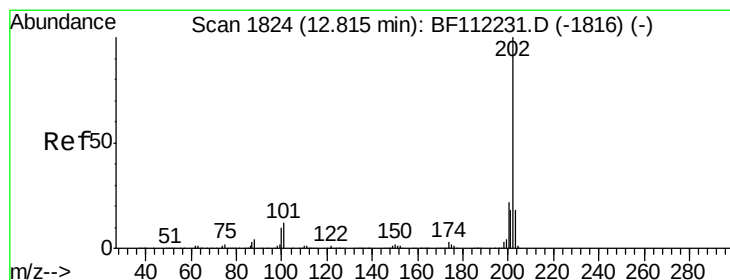
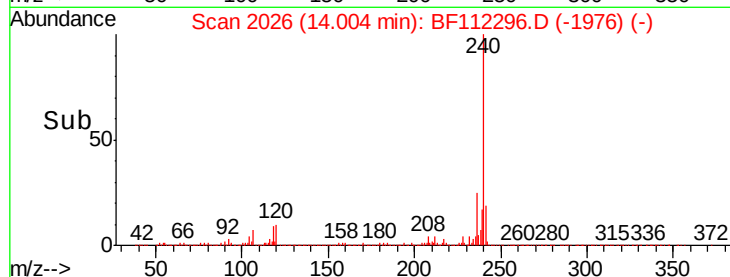
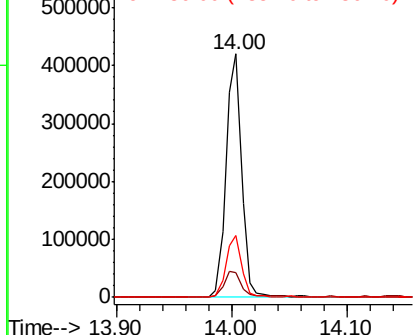
#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.00 min Scan# 2026
Delta R.T. -0.01 min
Lab File: BF112296.D
Acq: 29 Jan 2019 15:43

Instrument :
BNA_F
ClientSampleId :
OK-03-012819-A

Tgt Ion:240 Resp: 388733
Ion Ratio Lower Upper
240 100
120 10.4 9.0 13.6
236 25.2 20.7 31.1

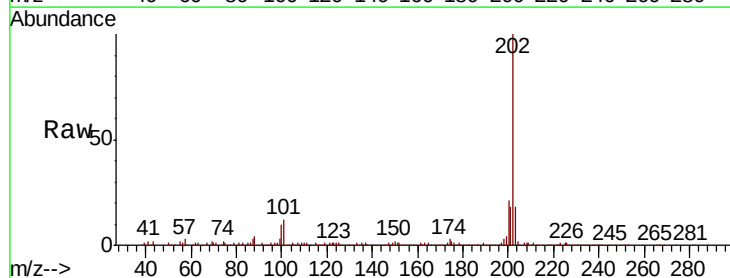


Abundance Ion 240.00 (239.70 to 240.70): E
Ion 120.00 (119.70 to 120.70): E
Ion 236.00 (235.70 to 236.70): E

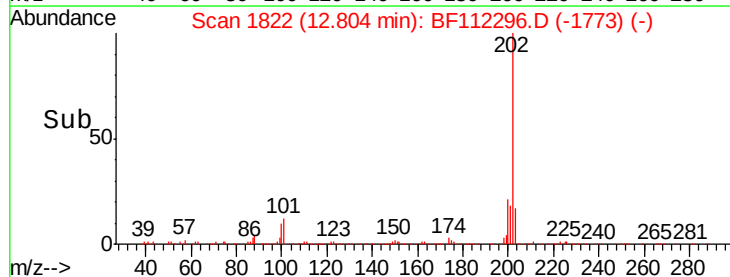
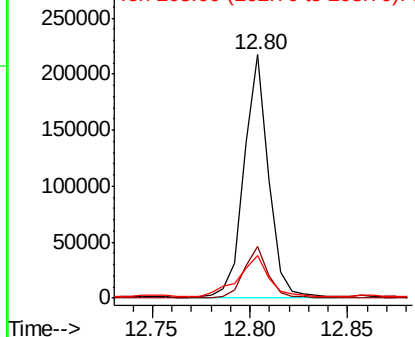


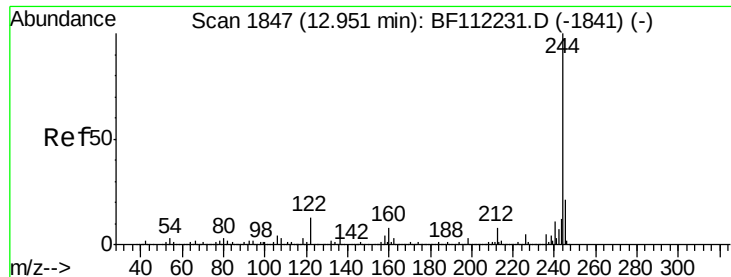
#78
Pyrene
Concen: 7.016 ng
RT: 12.80 min Scan# 1822
Delta R.T. -0.01 min
Lab File: BF112296.D
Acq: 29 Jan 2019 15:43

Tgt Ion:202 Resp: 188833
Ion Ratio Lower Upper
202 100
200 21.0 17.7 26.5
203 17.7 14.6 22.0



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: 13.282 ng

RT: 12.94 min Scan# 1845

Delta R.T. -0.01 min

Lab File: BF112296.D

Acq: 29 Jan 2019 15:43

Instrument :

BNA_F

ClientSampleId :

OK-03-012819-A

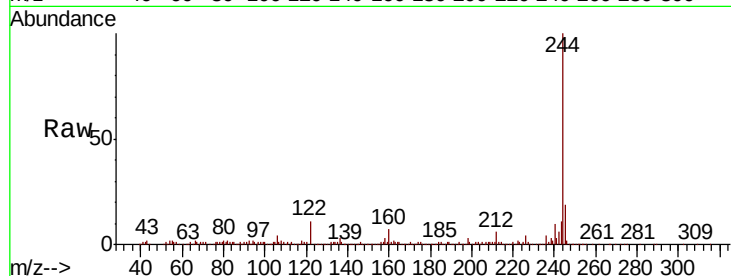
Tgt Ion:244 Resp: 274126

Ion Ratio Lower Upper

244 100

212 6.3 5.9 8.9

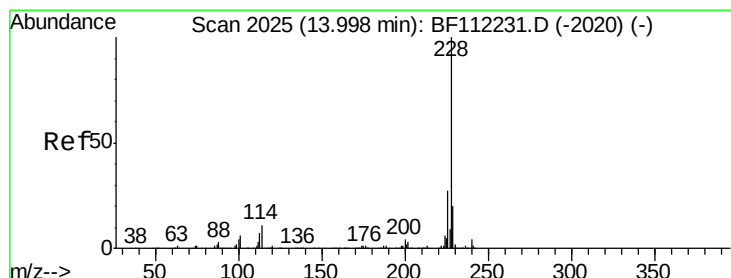
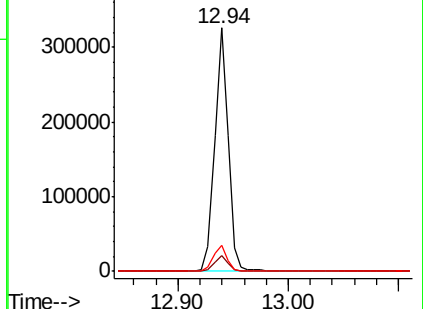
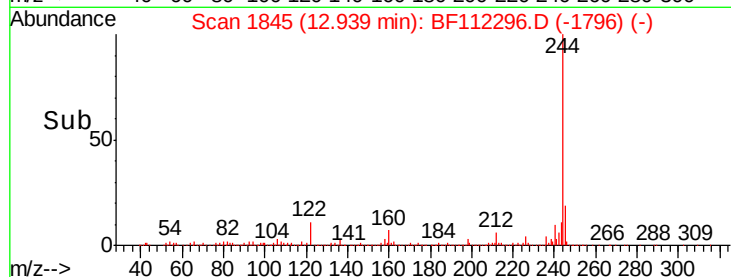
122 10.8 9.8 14.6



Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E



#81

Benzo(a)anthracene

Concen: 4.002 ng

RT: 13.99 min Scan# 2024

Delta R.T. -0.01 min

Lab File: BF112296.D

Acq: 29 Jan 2019 15:43

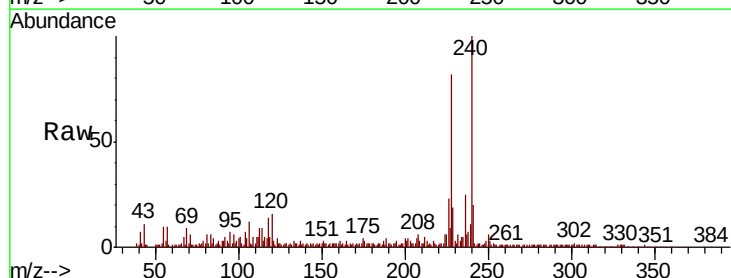
Tgt Ion:228 Resp: 91455

Ion Ratio Lower Upper

228 100

226 28.7 22.6 34.0

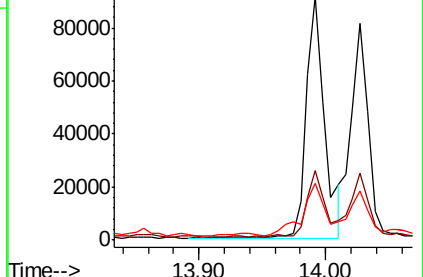
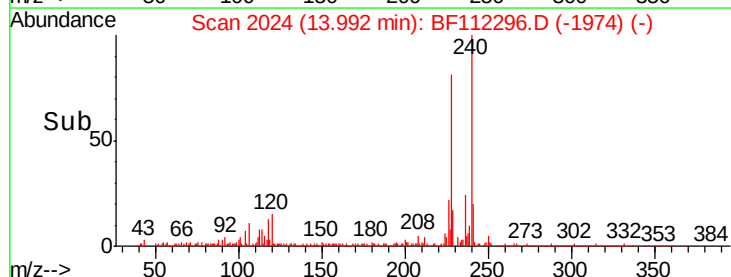
229 23.4 16.5 24.7

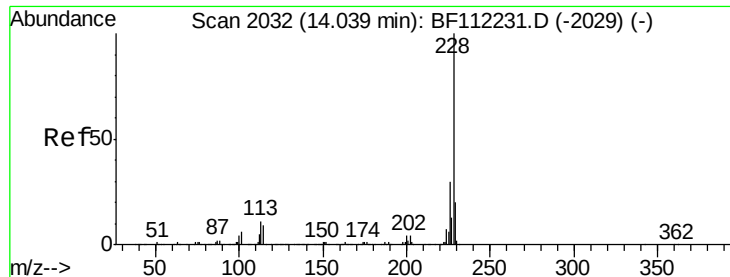


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#83

Chrysene

Concen: 3.496 ng

RT: 14.03 min Scan# 2030

Delta R.T. -0.01 min

Lab File: BF112296.D

Acq: 29 Jan 2019 15:43

Instrument :

BNA_F

ClientSampleId :

OK-03-012819-A

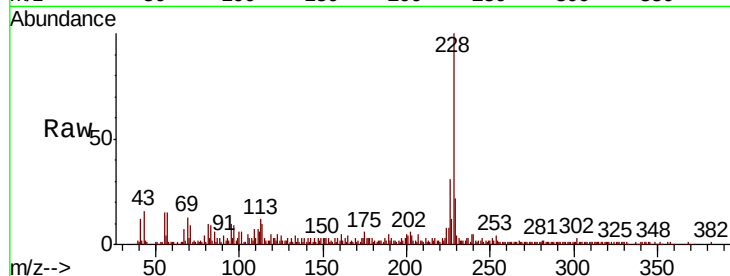
Tgt Ion:228 Resp: 76255

Ion Ratio Lower Upper

228 100

226 31.2 25.0 37.6

229 22.3 16.6 24.8

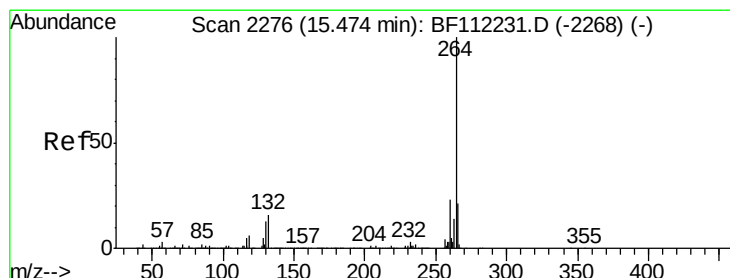
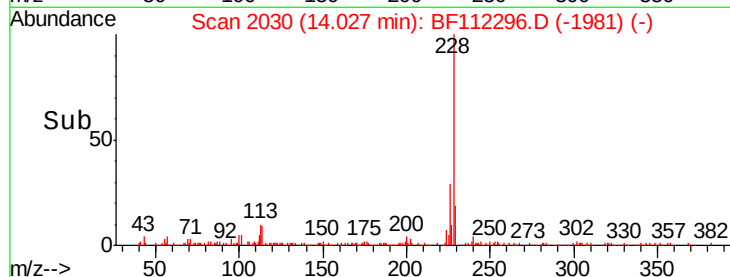
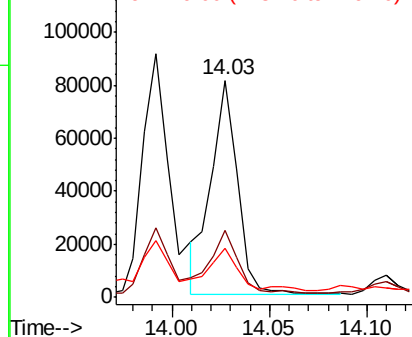


Abundance

Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



#87

Perylene-d12

Concen: 20.000 ng

RT: 15.47 min Scan# 2276

Delta R.T. 0.00 min

Lab File: BF112296.D

Acq: 29 Jan 2019 15:43

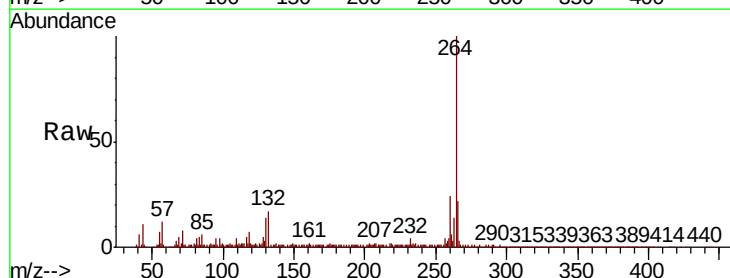
Tgt Ion:264 Resp: 401082

Ion Ratio Lower Upper

264 100

260 24.0 18.2 27.2

265 22.5 17.0 25.4

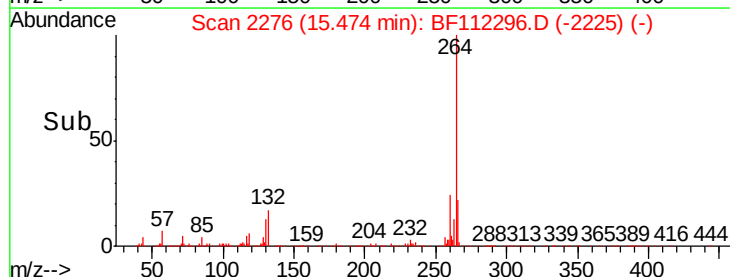
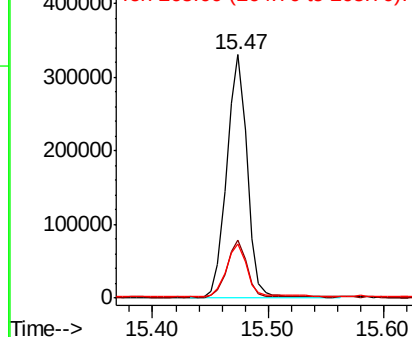


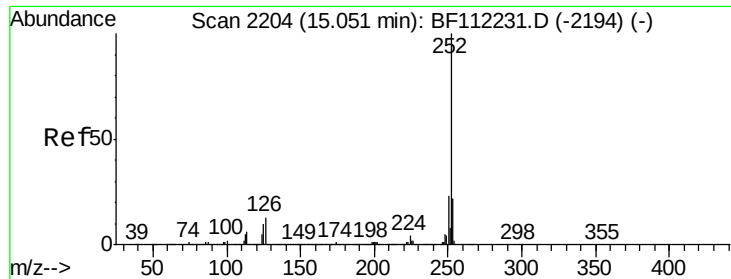
Abundance

Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E

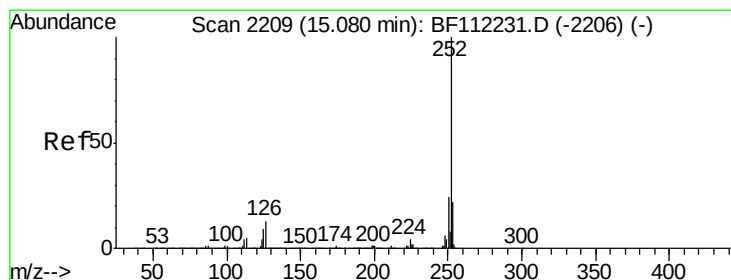
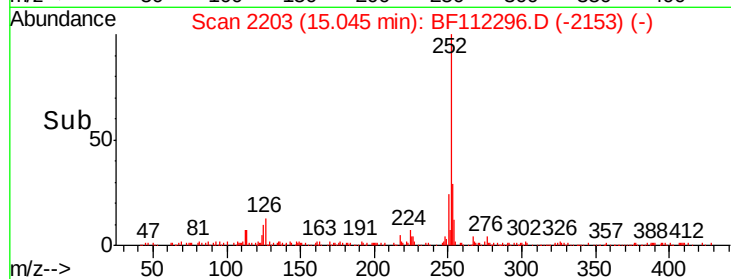
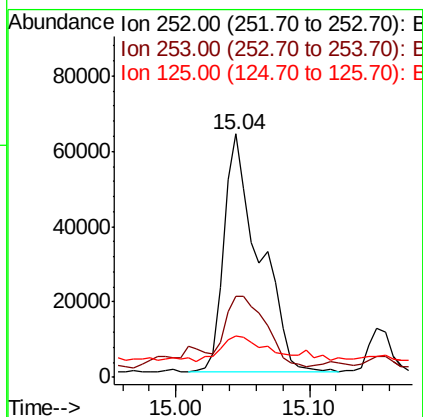
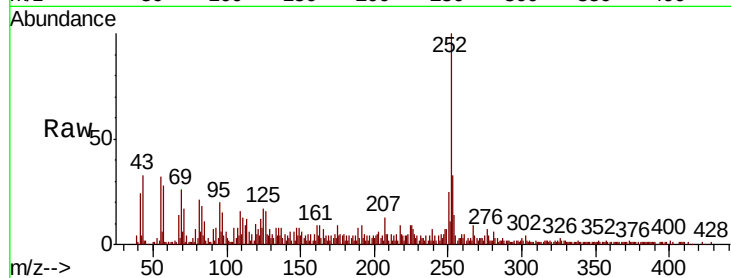




#88
Benzo(b)fluoranthene
Concen: 4.823 ng
RT: 15.04 min Scan# 2203
Delta R.T. -0.01 min
Lab File: BF112296.D
Acq: 29 Jan 2019 15:43

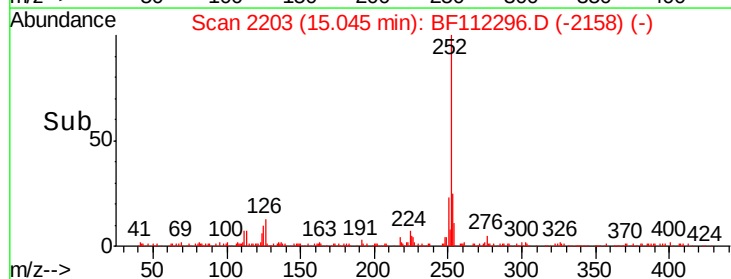
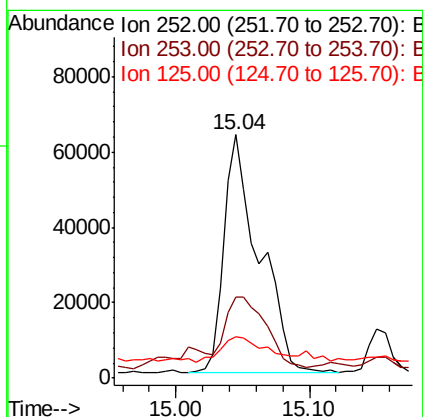
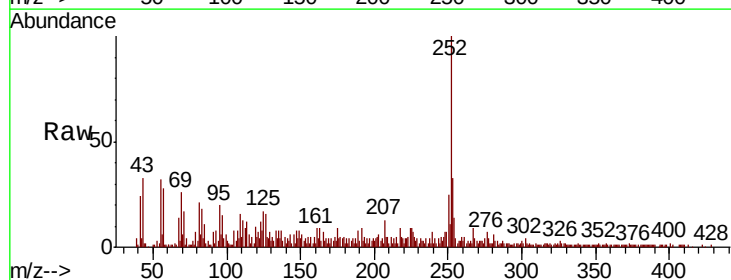
Instrument :
BNA_F
ClientSampleId :
OK-03-012819-A

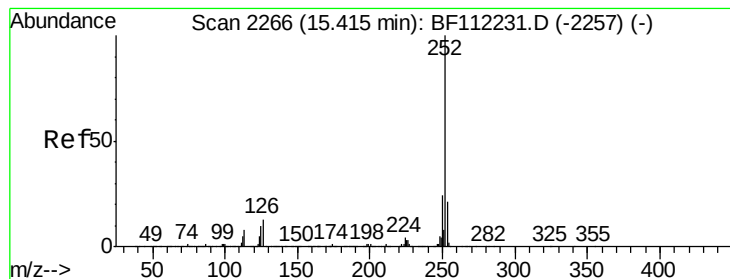
Tgt Ion:252 Resp: 115691
Ion Ratio Lower Upper
252 100
253 33.1 18.0 27.0#
125 17.1 8.7 13.1#



#89
Benzo(k)fluoranthene
Concen: 5.035 ng
RT: 15.04 min Scan# 2203
Delta R.T. -0.04 min
Lab File: BF112296.D
Acq: 29 Jan 2019 15:43

Tgt Ion:252 Resp: 115691
Ion Ratio Lower Upper
252 100
253 33.1 18.0 27.0#
125 17.1 9.1 13.7#





#90

Benzo(a)pyrene

Concen: 3.062 ng

RT: 15.41 min Scan# 2265

Delta R.T. -0.01 min

Lab File: BF112296.D

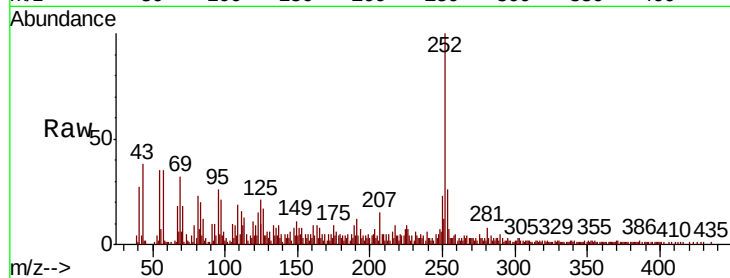
Acq: 29 Jan 2019 15:43

Instrument :

BNA_F

ClientSampleId :

OK-03-012819-A



Tgt Ion:	252	Resp:	66084
Ion	Ratio	Lower	Upper
252	100		
253	25.9	17.5	26.3
125	21.3	9.0	13.4

