

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF020819\
 Data File : BF112465.D
 Acq On : 8 Feb 2019 17:48
 Operator : JU/SJ
 Sample : K1349-01 10X
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 OR-03-020719-A

Quant Time: Feb 09 04:57:53 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	6.83	152	135305	20.00	ng	-0.01
21) Naphthalene-d8	8.12	136	549041	20.00	ng	-0.01
39) Acenaphthene-d10	9.87	164	256918	20.00	ng	-0.02
64) Phenanthrene-d10	11.36	188	427670	20.00	ng	-0.01
76) Chrysene-d12	14.00	240	285586	20.00	ng	0.00
87) Perylene-d12	15.47	264	304534	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.47	112	94212	14.79	ng	0.00
7) Phenol-d6	6.49	99	120263	13.59	ng	0.00
23) Nitrobenzene-d5	7.40	82	78226	8.21	ng	-0.01
42) 2,4,6-Tribromophenol	10.67	330	23583	7.89	ng	-0.01
45) 2-Fluorobiphenyl	9.19	172	148313	8.16	ng	-0.02
79) Terphenyl-d14	12.94	244	111510	7.35	ng	-0.01

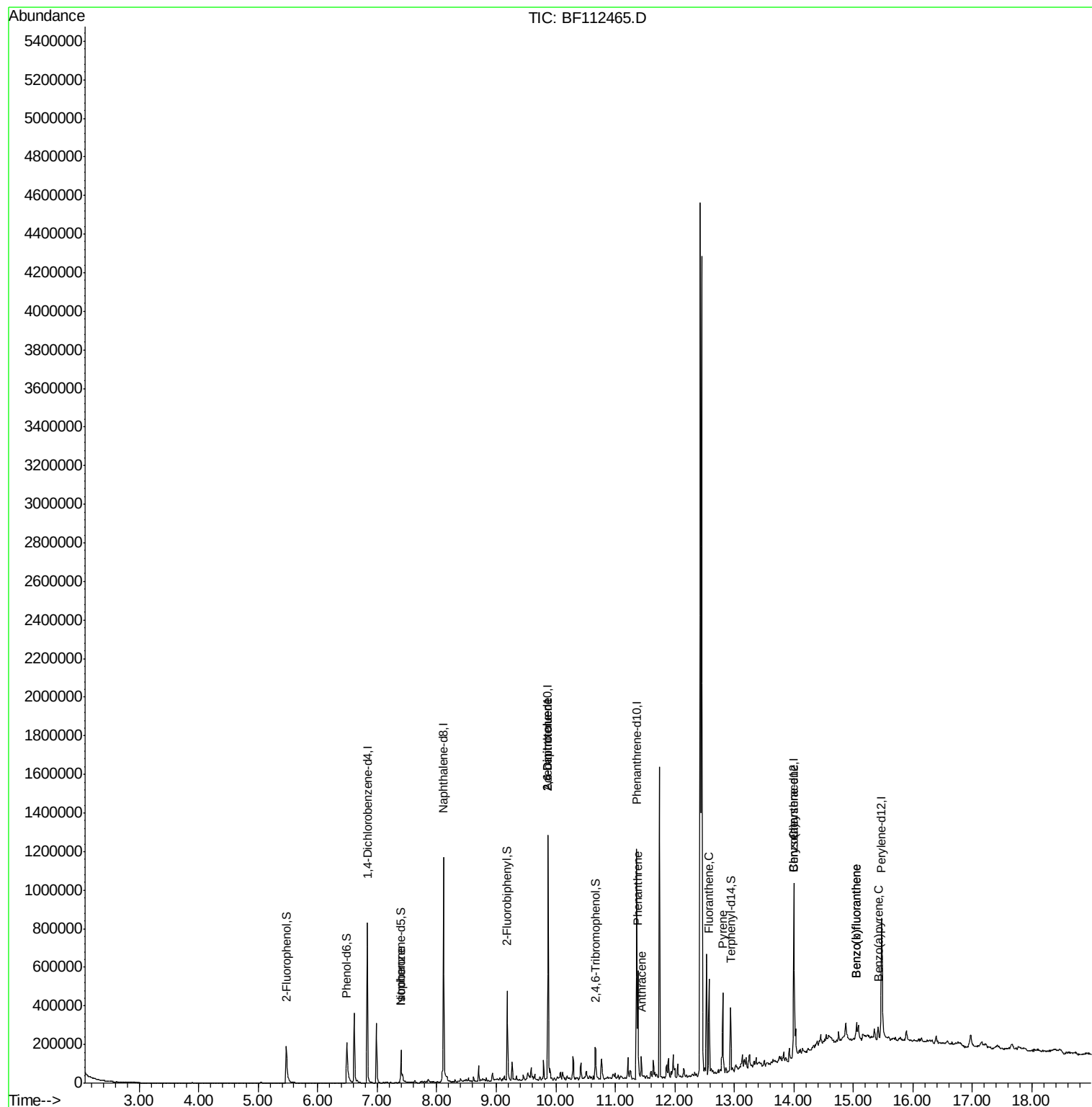
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
25) Isophorone	7.40	82	78226	5.233	ng	# 63
51) 2,6-Dinitrotoluene	9.87	165	34814	7.787	ng	# 34
57) 2,4-Dinitrotoluene	9.87	165	34815	6.117	ng	# 32
71) Phenanthrene	11.38	178	200038	8.997	ng	97
72) Anthracene	11.44	178	55145	2.490	ng	97
75) Fluoranthene	12.57	202	178380	7.480	ng	98
78) Pyrene	12.80	202	151494	7.662	ng	97
81) Benzo(a)anthracene	13.99	228	55024	3.278	ng	97
83) Chrysene	13.99	228	55024	3.434	ng	94
88) Benzo(b)fluoranthene	15.05	252	60685	3.332	ng	# 95
89) Benzo(k)fluoranthene	15.05	252	60685	3.479	ng	# 95
90) Benzo(a)pyrene	15.42	252	34655	2.115	ng	# 95

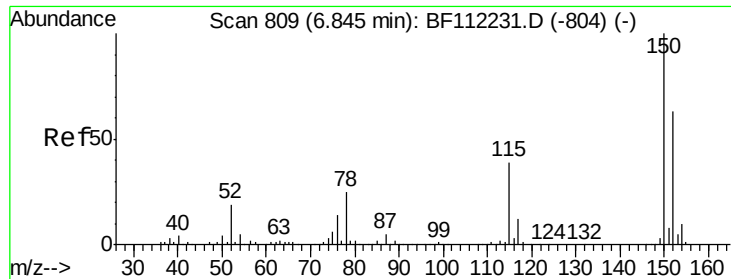
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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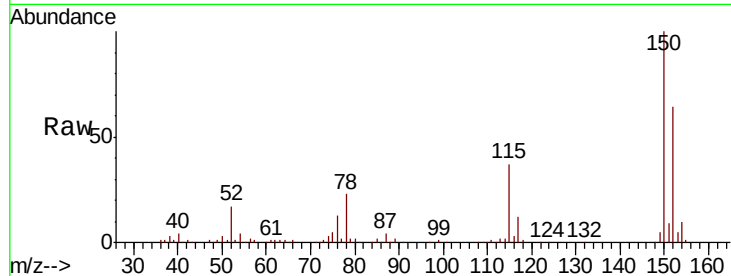


#1

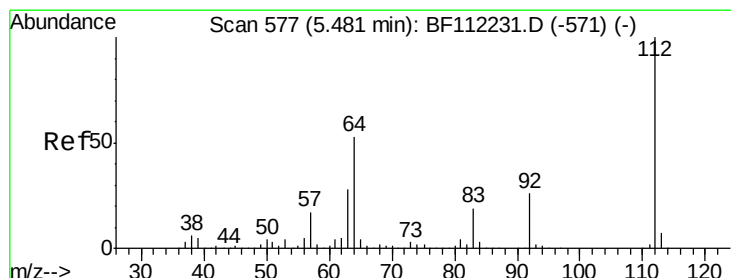
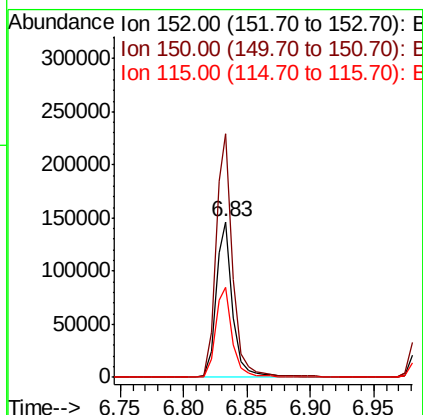
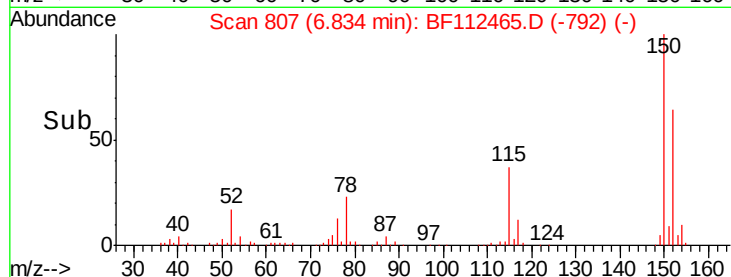
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.83 min Scan# 807
Delta R.T. -0.01 min
Lab File: BF112465.D
Acq: 8 Feb 2019 17:48

Instrument :
BNA_F
ClientSampleId :
OR-03-020719-A

Tot Ion:152 Resp: 135305
Ion Ratio Lower Upper
152 100
150 156.3 127.4 191.0
115 58.2 45.5 68.3



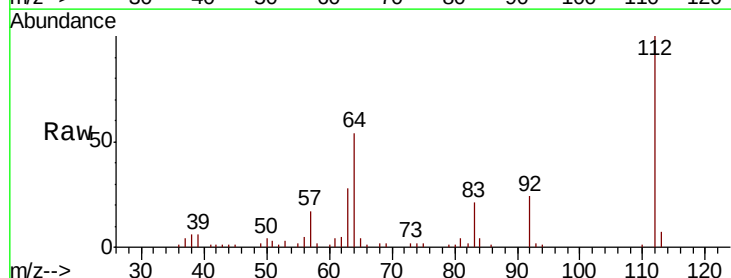
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



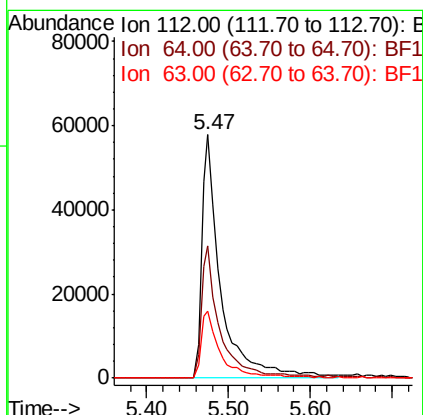
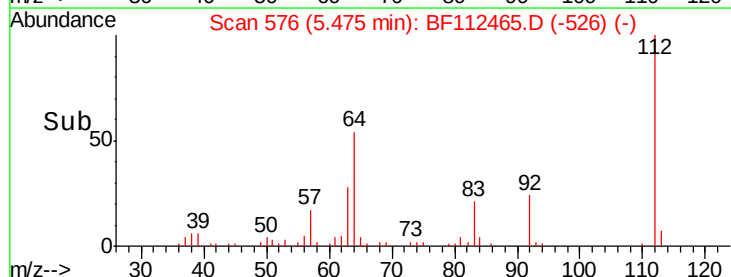
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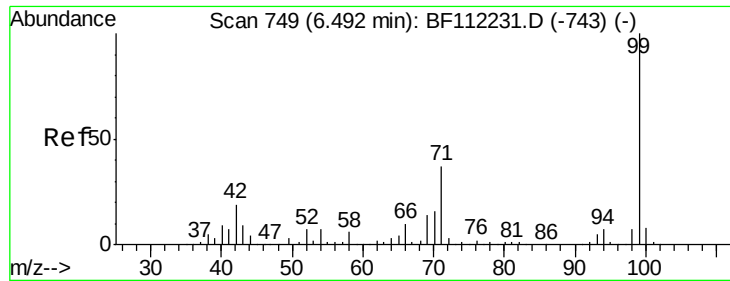
2-Fluorophenol
Concen: 14.790 ng
RT: 5.47 min Scan# 576
Delta R.T. -0.01 min
Lab File: BF112465.D
Acq: 8 Feb 2019 17:48

Tgt Ion:112 Resp: 94212
Ion Ratio Lower Upper
112 100
64 54.2 45.7 68.5
63 27.7 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: 13.587 ng

RT: 6.49 min Scan# 748

Delta R.T. -0.01 min

Lab File: BF112465.D

Acq: 8 Feb 2019 17:48

Instrument :

BNA_F

ClientSampleId :

OR-03-020719-A

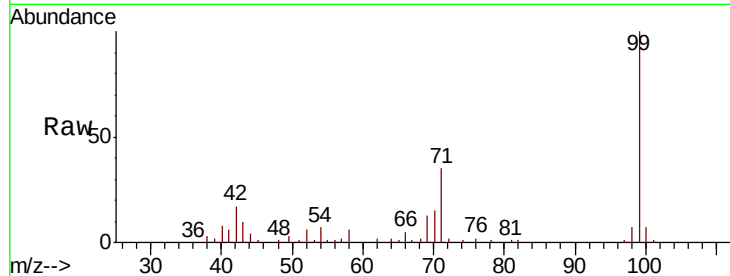
Tot Ion: 99 Resp: 120263

Ion Ratio Lower Upper

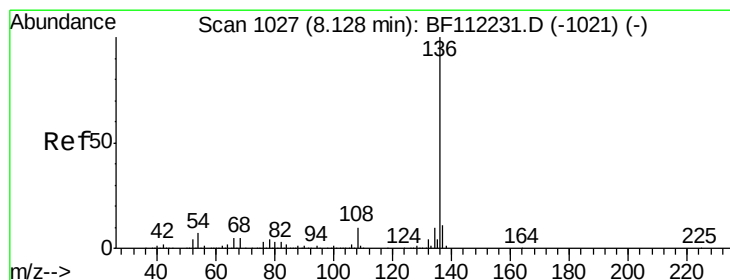
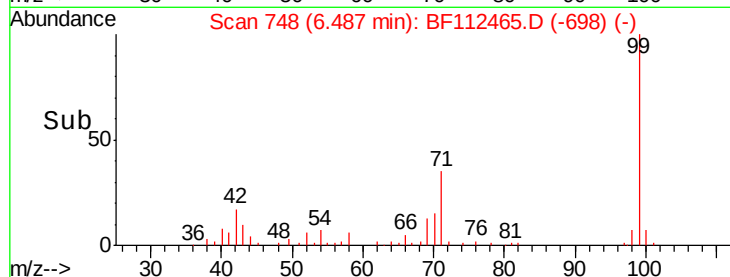
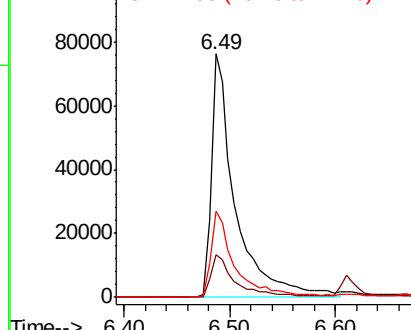
99 100

42 17.4 15.1 22.7

71 35.2 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



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.12 min Scan# 1025

Delta R.T. -0.01 min

Lab File: BF112465.D

Acq: 8 Feb 2019 17:48

Tgt Ion: 136 Resp: 549041

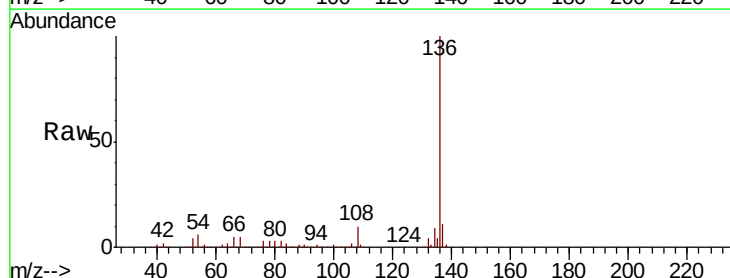
Ion Ratio Lower Upper

136 100

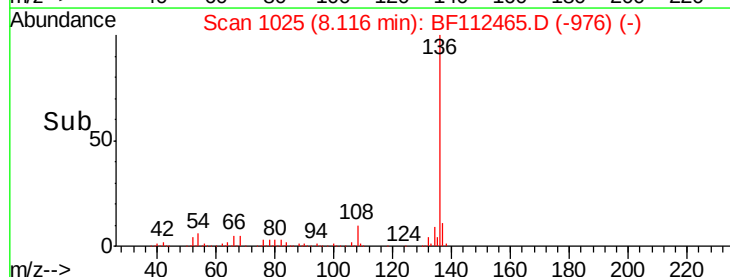
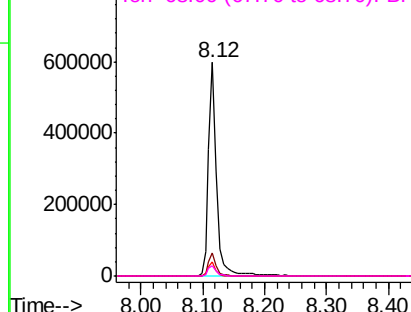
137 11.0 9.1 13.7

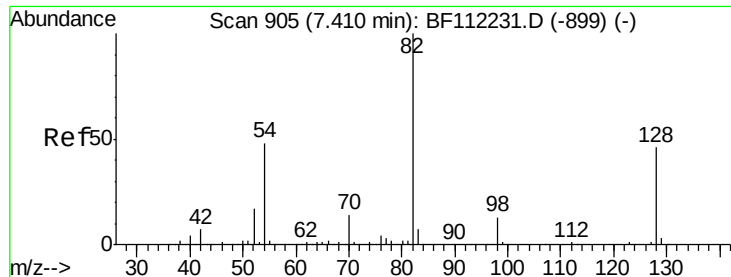
54 6.4 5.9 8.9

68 4.6 5.1 7.7#



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

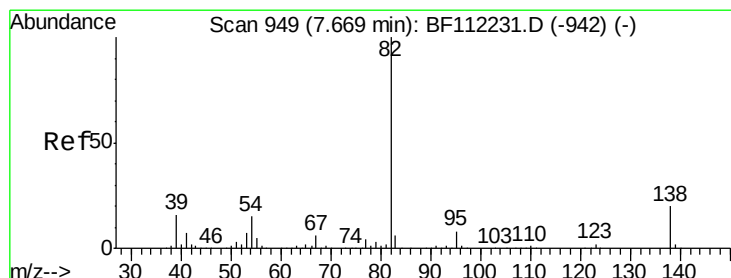
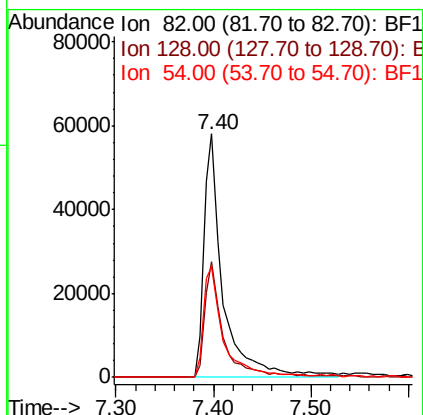
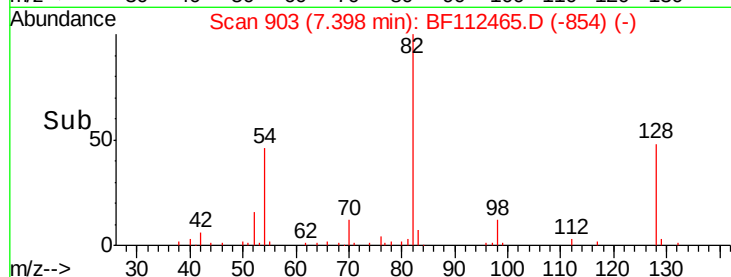
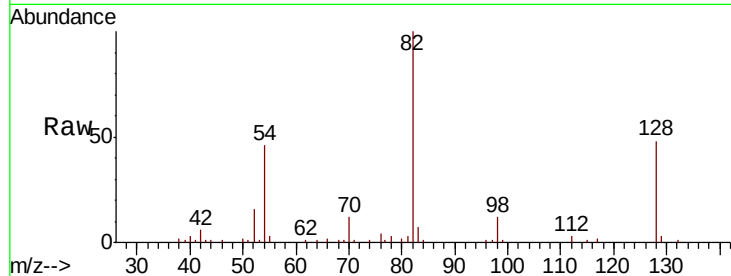




#23
Nitrobenzene-d5
Concen: 8.210 ng
RT: 7.40 min Scan# 903
Delta R.T. -0.01 min
Lab File: BF112465.D
Acq: 8 Feb 2019 17:48

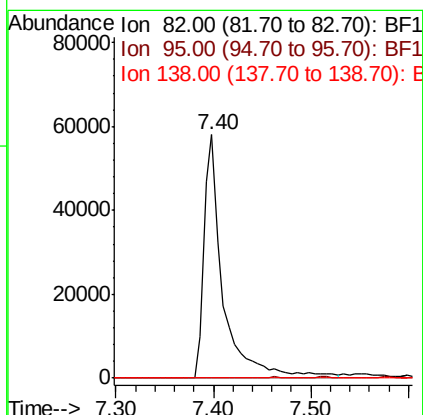
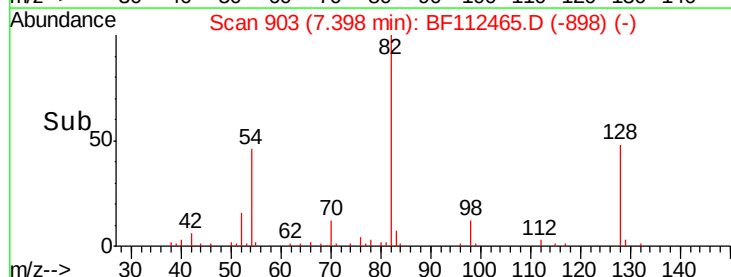
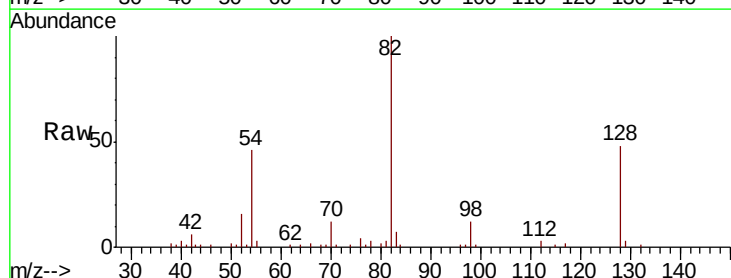
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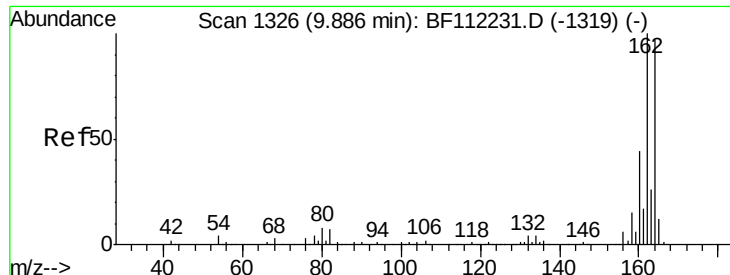
Tot Ion: 82 Resp: 78226
Ion Ratio Lower Upper
82 100
128 47.5 37.8 56.8
54 45.5 39.7 59.5



#25
Isophorone
Concen: 5.233 ng
RT: 7.40 min Scan# 903
Delta R.T. -0.27 min
Lab File: BF112465.D
Acq: 8 Feb 2019 17:48

Tgt Ion: 82 Resp: 78226
Ion Ratio Lower Upper
82 100
95 0.0 5.7 8.5#
138 0.0 15.4 23.0#

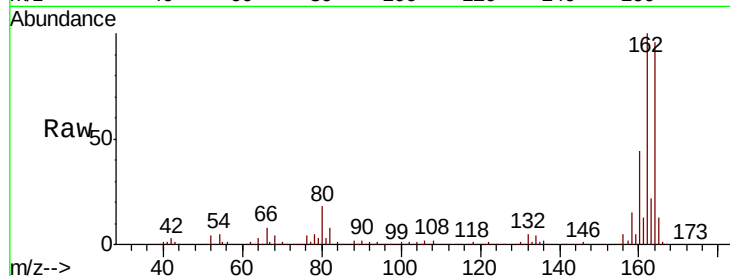




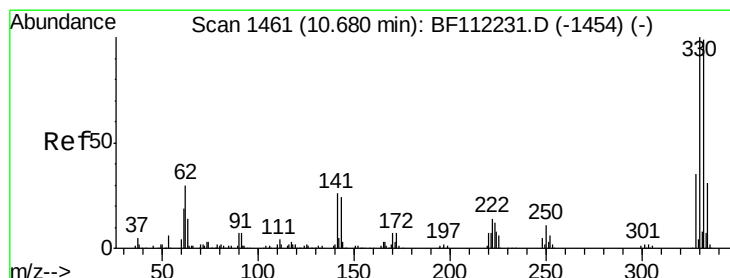
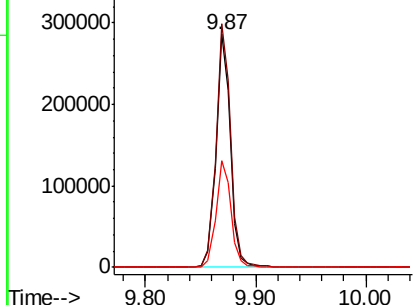
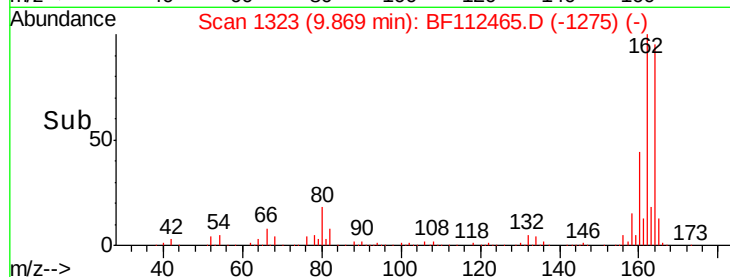
#39
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.87 min Scan# 1323
 Delta R.T. -0.02 min
 Lab File: BF112465.D
 Acq: 8 Feb 2019 17:48

Instrument :
 BNA_F
 ClientSampleId :
 OR-03-020719-A

Tot Ion	Ratio	Lower	Upper
164	100		
162	104.5	82.2	123.4
160	45.8	36.2	54.4

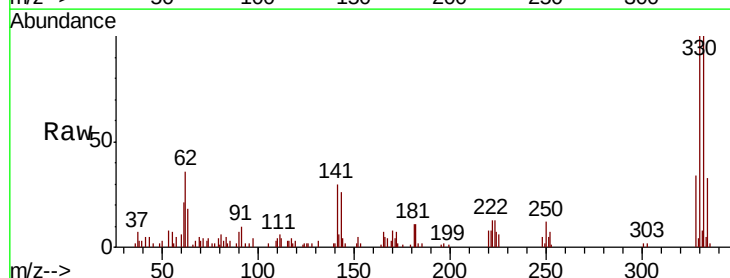


Abundance Ion 164.00 (163.70 to 164.70): E
 Ion 162.00 (161.70 to 162.70): E
 Ion 160.00 (159.70 to 160.70): E

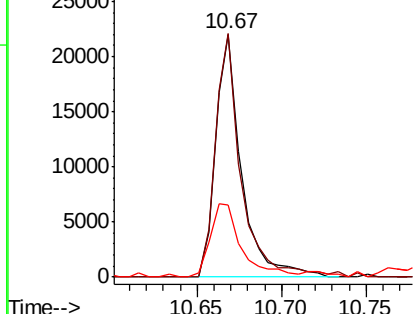
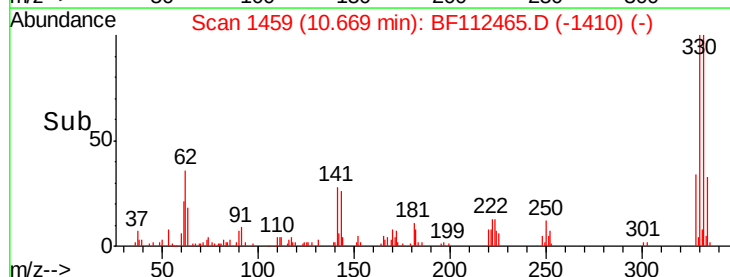


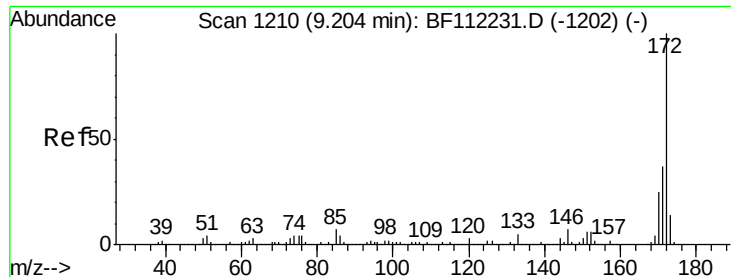
#42
 2,4,6-Tribromophenol
 Concen: 7.886 ng
 RT: 10.67 min Scan# 1459
 Delta R.T. -0.01 min
 Lab File: BF112465.D
 Acq: 8 Feb 2019 17:48

Tgt Ion	Ratio	Lower	Upper
330	100		
332	100.9	76.6	114.8
141	36.6	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

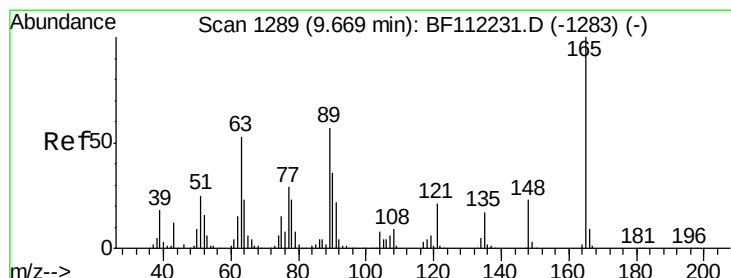
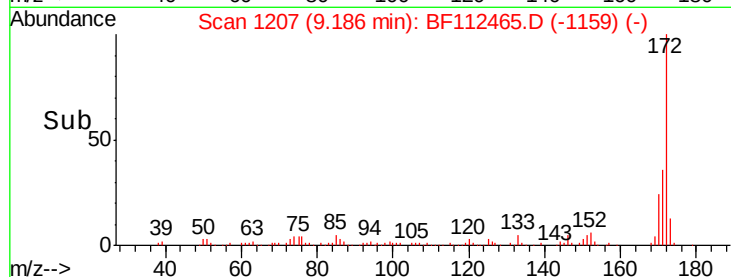
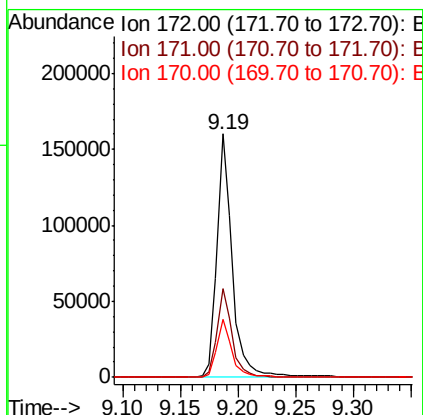
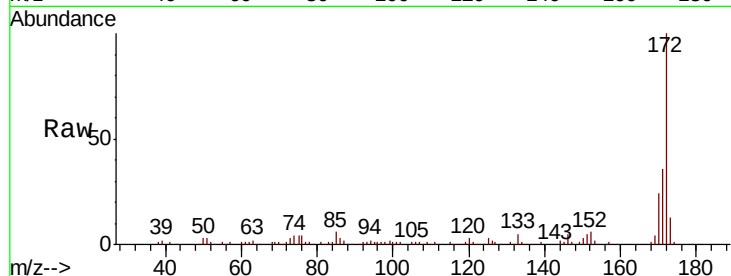




#45
2-Fluorobiphenyl
Concen: 8.165 ng
RT: 9.19 min Scan# 1207
Delta R.T. -0.02 min
Lab File: BF112465.D
Acq: 8 Feb 2019 17:48

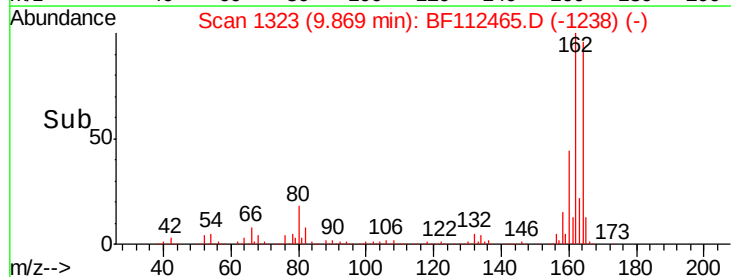
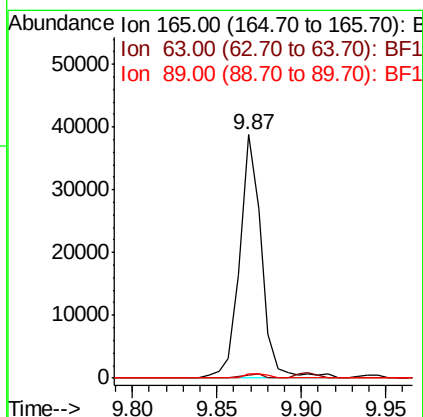
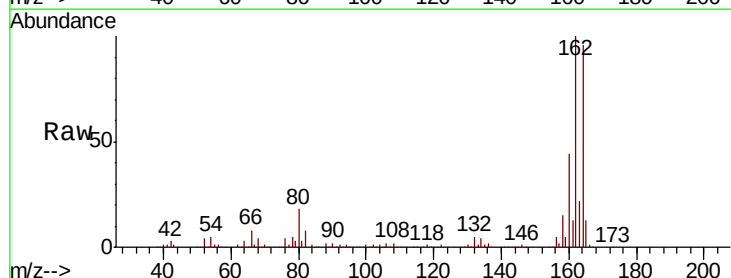
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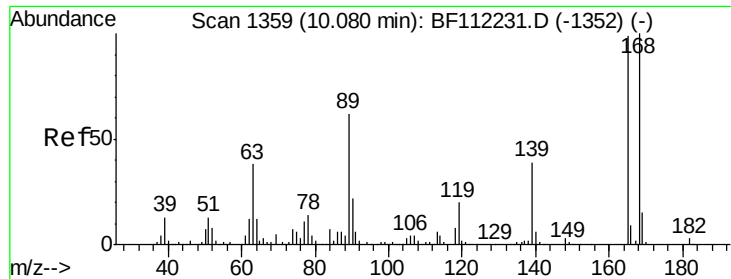
Tot Ion:172 Resp: 148313
Ion Ratio Lower Upper
172 100
171 36.2 30.5 45.7
170 24.1 20.2 30.4



#51
2,6-Dinitrotoluene
Concen: 7.787 ng
RT: 9.87 min Scan# 1323
Delta R.T. 0.20 min
Lab File: BF112465.D
Acq: 8 Feb 2019 17:48

Tgt Ion:165 Resp: 34814
Ion Ratio Lower Upper
165 100
63 1.4 33.8 50.8#
89 1.8 36.9 55.3#

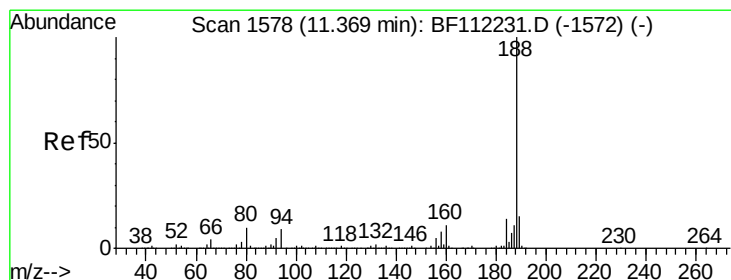
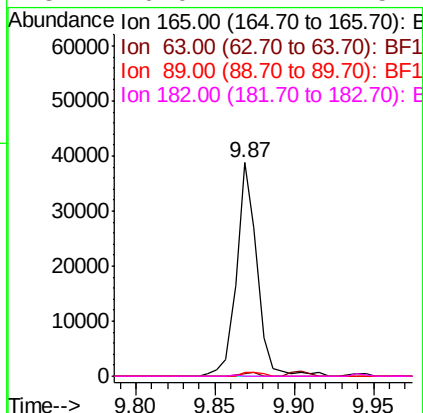
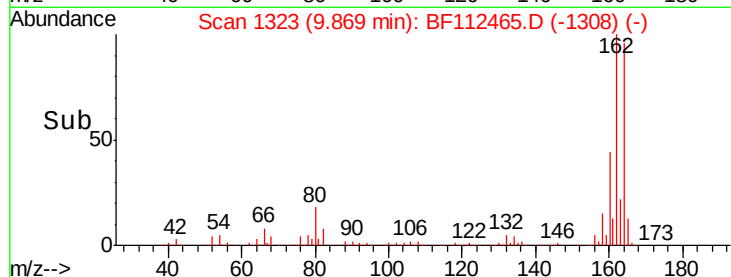
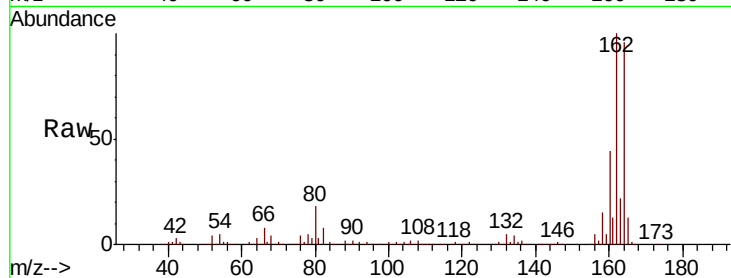




#57
2,4-Dinitrotoluene
Concen: 6.117 ng
RT: 9.87 min Scan# 1323
Delta R.T. -0.21 min
Lab File: BF112465.D
Acq: 8 Feb 2019 17:48

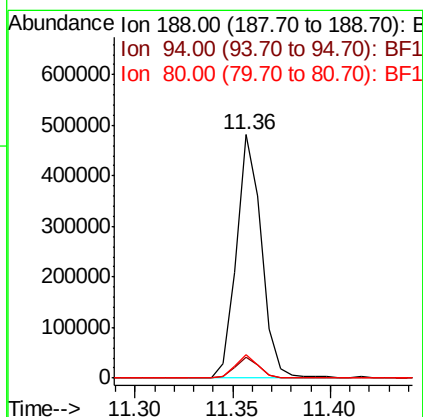
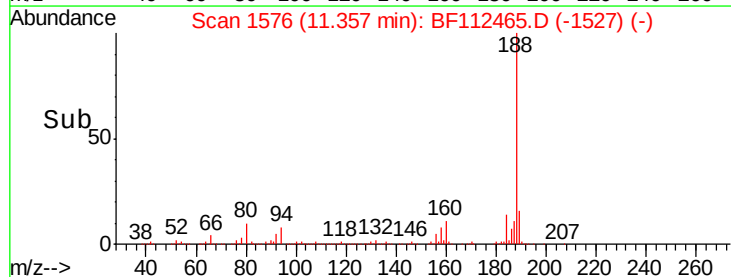
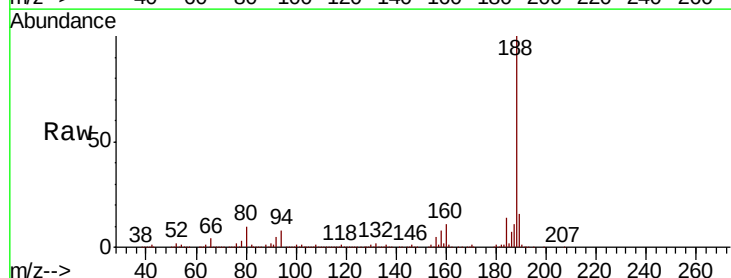
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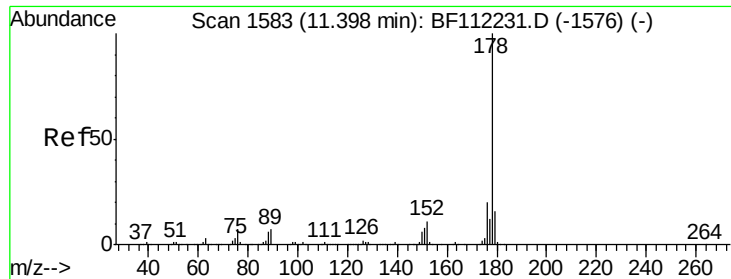
Tot Ion	Ratio	Lower	Upper
165	100		
63	1.4	27.9	41.9#
89	1.8	47.9	71.9#
182	0.0	2.2	3.4#



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.36 min Scan# 1576
Delta R.T. -0.01 min
Lab File: BF112465.D
Acq: 8 Feb 2019 17:48

Tgt Ion	Ratio	Lower	Upper
188	100		
94	8.5	8.2	12.2
80	9.7	8.9	13.3

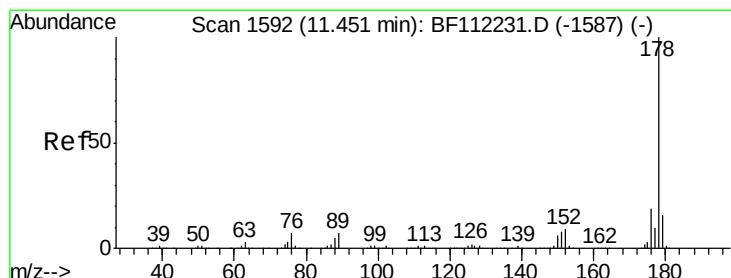
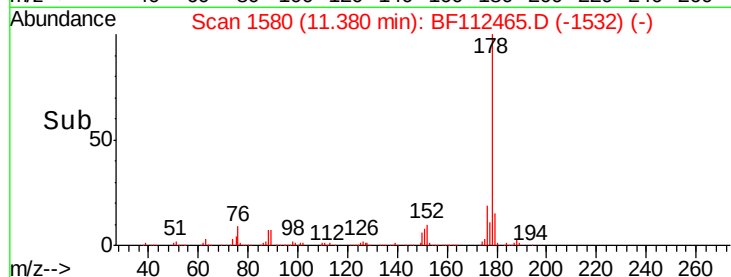
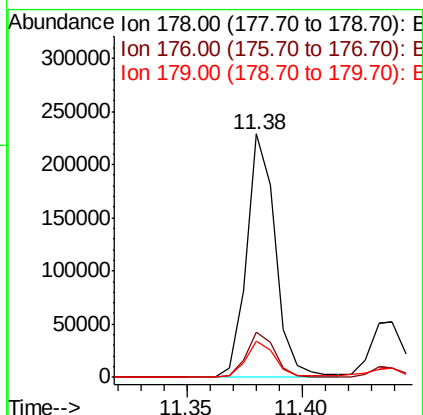
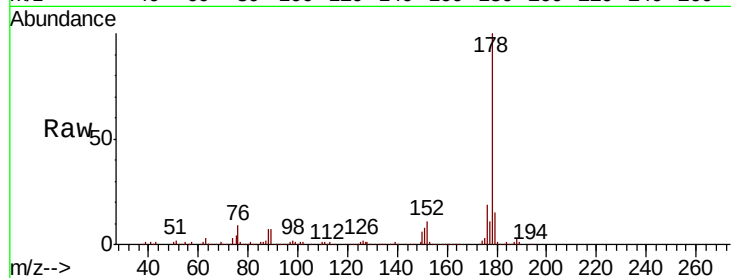




#71
Phenanthrene
Concen: 8.997 ng
RT: 11.38 min Scan# 1580
Delta R.T. -0.02 min
Lab File: BF112465.D
Acq: 8 Feb 2019 17:48

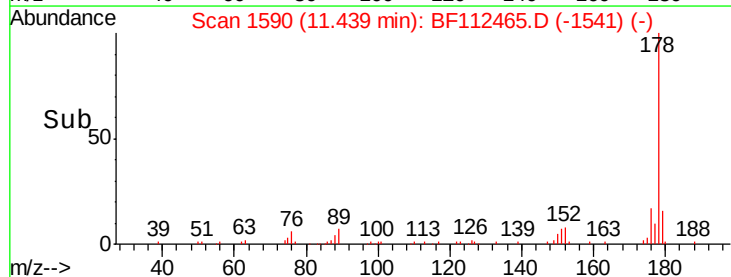
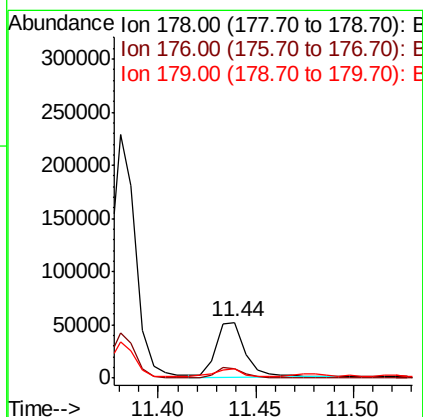
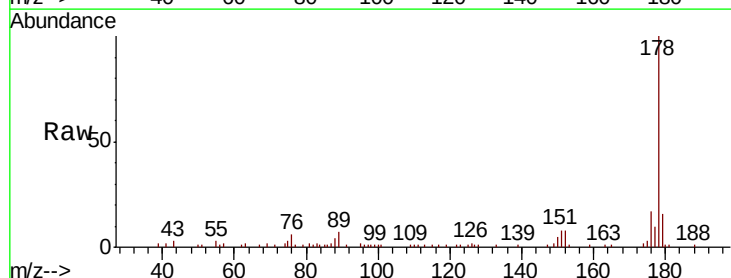
Instrument :
BNA_F
ClientSampleId :
OR-03-020719-A

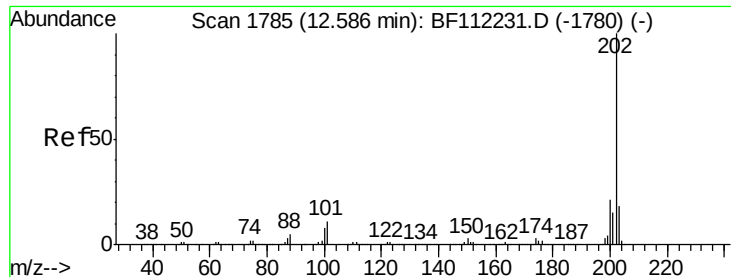
Tot Ion	Ratio	Lower	Upper
178	100		
176	18.7	16.3	24.5
179	15.0	13.0	19.4



#72
Anthracene
Concen: 2.490 ng
RT: 11.44 min Scan# 1590
Delta R.T. -0.01 min
Lab File: BF112465.D
Acq: 8 Feb 2019 17:48

Tgt Ion	Ratio	Lower	Upper
178	100		
176	17.4	15.5	23.3
179	15.8	12.8	19.2





#75

Fluoranthene

Concen: 7.480 ng

RT: 12.57 min Scan# 1783

Delta R.T. -0.01 min

Lab File: BF112465.D

Acq: 8 Feb 2019 17:48

Instrument :

BNA_F

ClientSampleId :

OR-03-020719-A

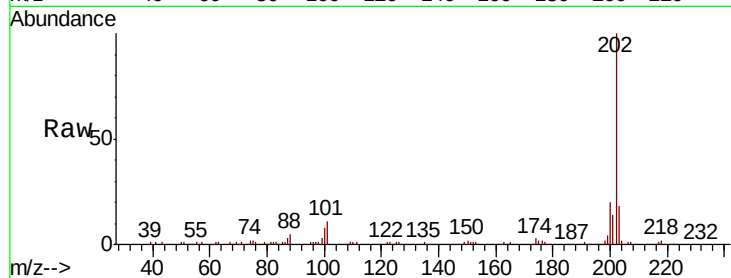
Tot Ion:202 Resp: 178380

Ion Ratio Lower Upper

202 100

101 10.5 0.0 31.8

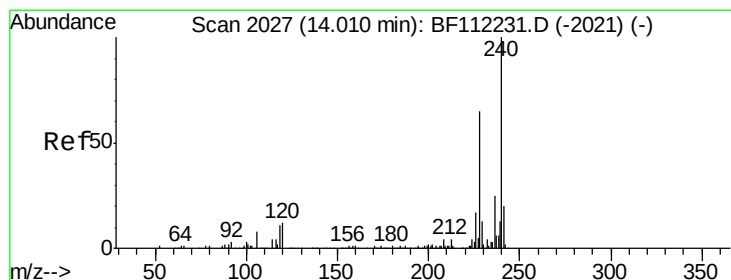
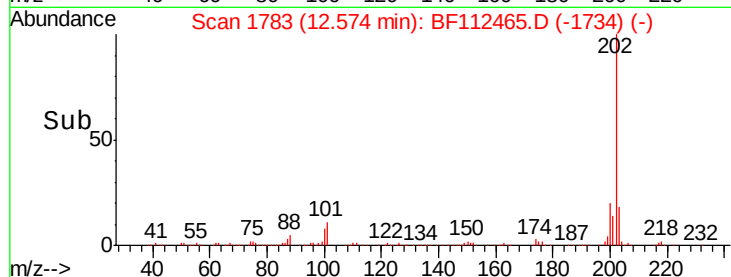
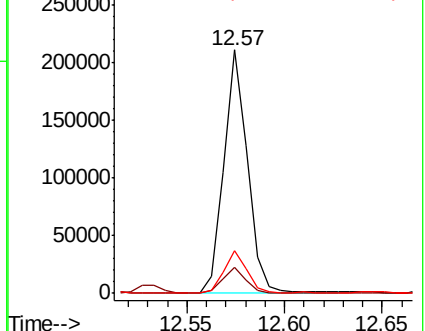
203 17.8 0.0 38.4



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: BF112465.D

Acq: 8 Feb 2019 17:48

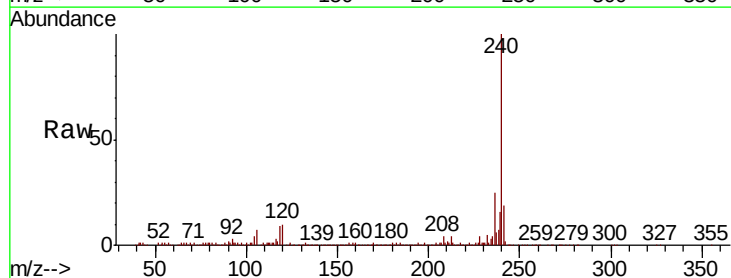
Tgt Ion:240 Resp: 285586

Ion Ratio Lower Upper

240 100

120 9.8 9.0 13.6

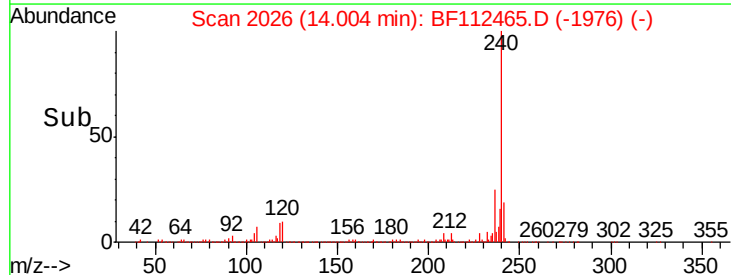
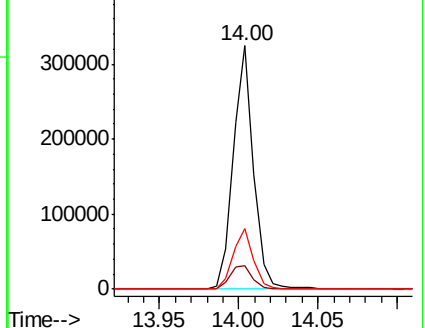
236 24.9 20.7 31.1

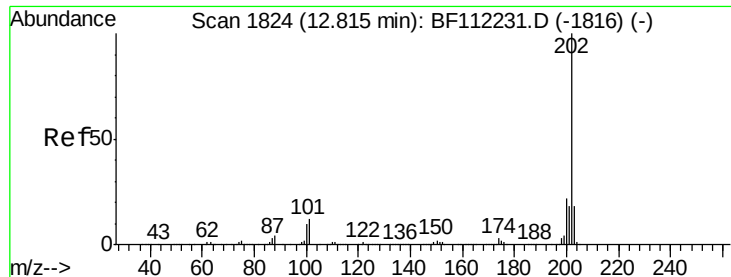


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#78

Pvrene

Concen: 7.662 ng

RT: 12.80 min Scan# 1822

Delta R.T. -0.01 min

Lab File: BF112465.D

Acq: 8 Feb 2019 17:48

Instrument :

BNA_F

ClientSampleId :

OR-03-020719-A

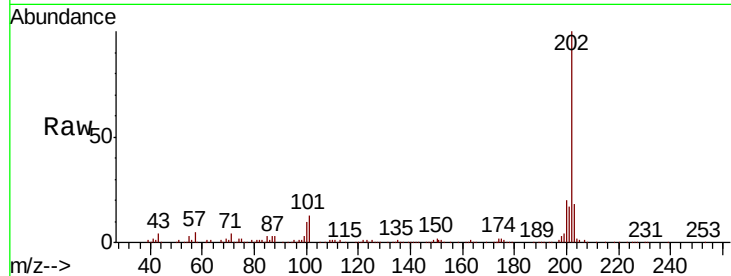
Tot Ion:202 Resp: 151494

Ion Ratio Lower Upper

202 100

200 19.9 17.7 26.5

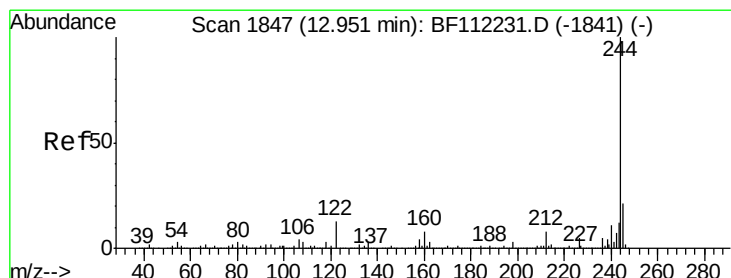
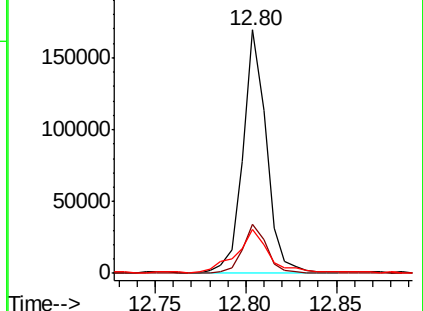
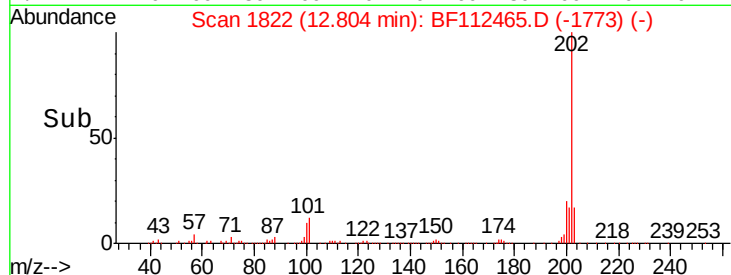
203 17.9 14.6 22.0



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: 7.354 ng

RT: 12.94 min Scan# 1845

Delta R.T. -0.01 min

Lab File: BF112465.D

Acq: 8 Feb 2019 17:48

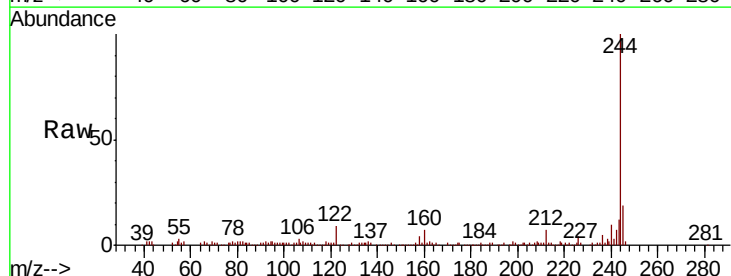
Tgt Ion:244 Resp: 111510

Ion Ratio Lower Upper

244 100

212 6.6 5.9 8.9

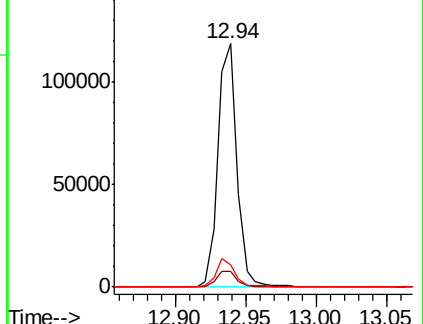
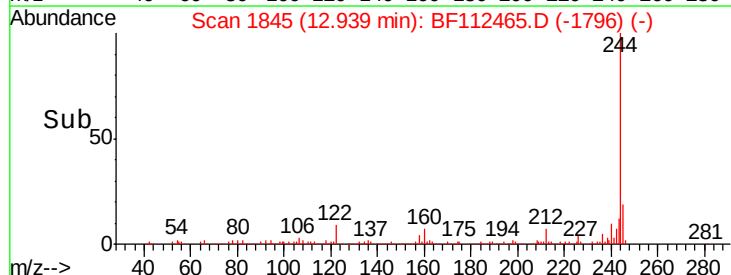
122 9.4 9.8 14.6#

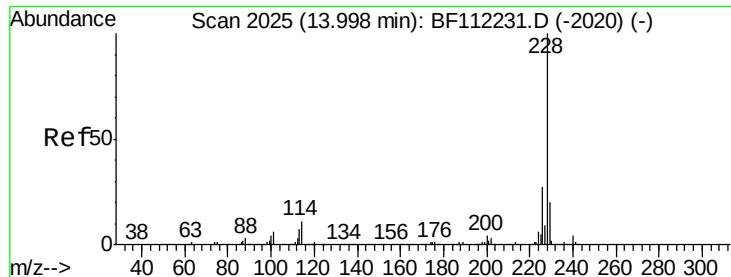


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#81

Benzo(a)anthracene

Concen: 3.278 ng

RT: 13.99 min Scan# 2024

Delta R.T. -0.01 min

Lab File: BF112465.D

Acq: 8 Feb 2019 17:48

Instrument :

BNA_F

ClientSampleId :

OR-03-020719-A

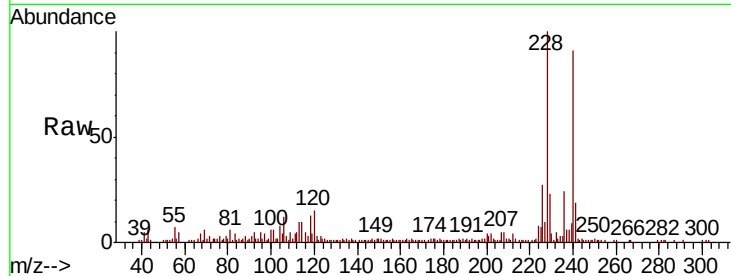
Tot Ion:228 Resp: 55024

Ion Ratio Lower Upper

228 100

226 27.4 22.6 34.0

229 23.1 16.5 24.7

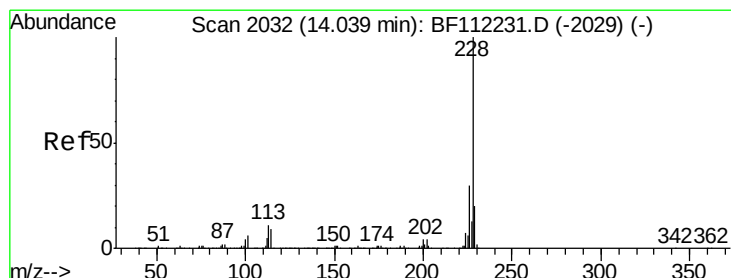
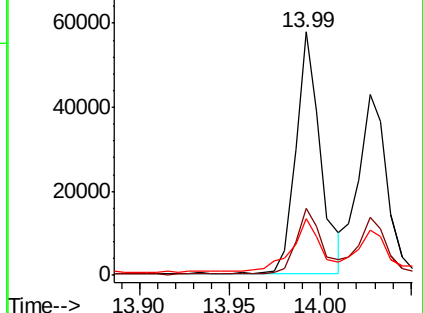
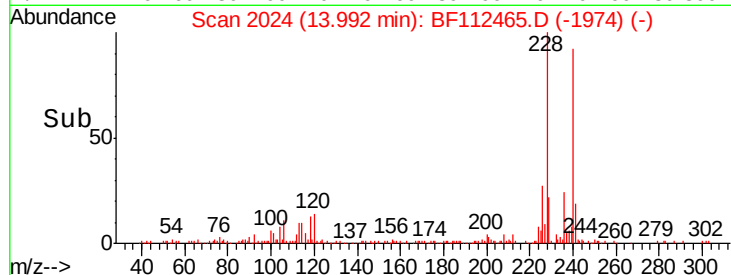


Abundance

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: 3.434 ng

RT: 13.99 min Scan# 2024

Delta R.T. -0.05 min

Lab File: BF112465.D

Acq: 8 Feb 2019 17:48

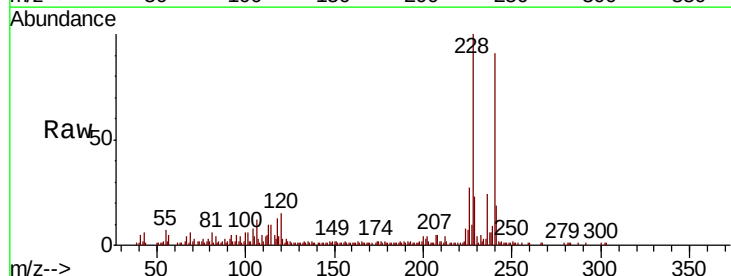
Tgt Ion:228 Resp: 55024

Ion Ratio Lower Upper

228 100

226 27.4 25.0 37.6

229 23.1 16.6 24.8

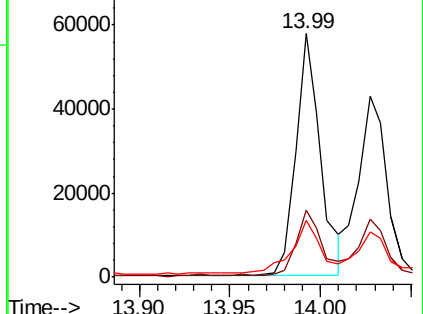
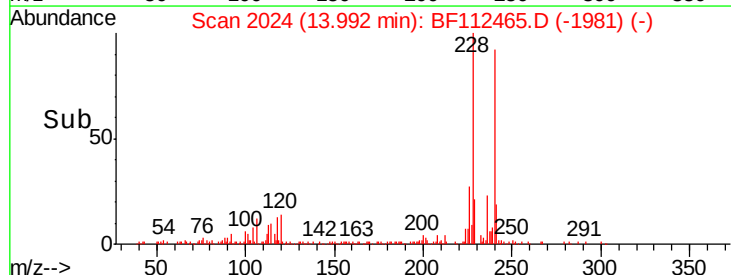


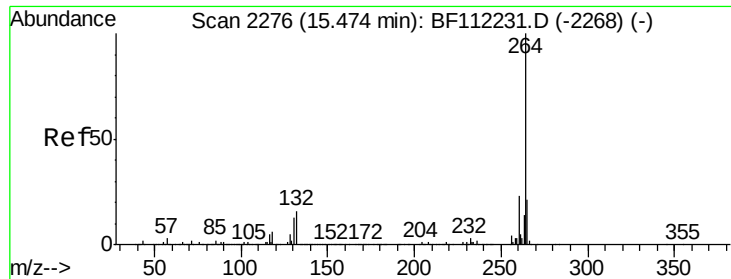
Abundance

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

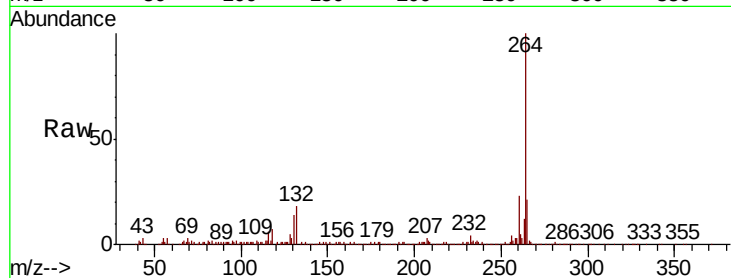




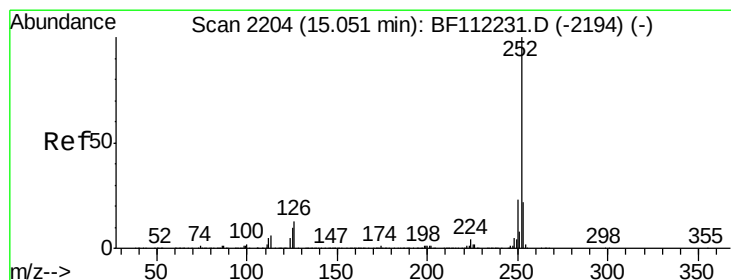
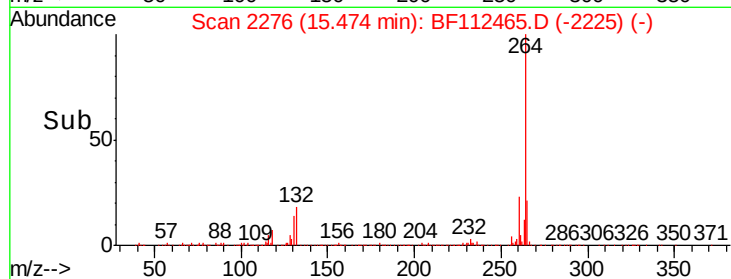
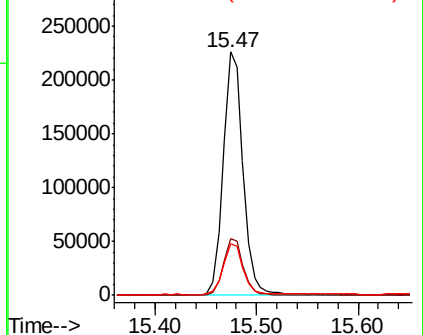
#87
Pervlene-d12
Concen: 20.000 ng
RT: 15.47 min Scan# 2276
Delta R.T. 0.00 min
Lab File: BF112465.D
Acq: 8 Feb 2019 17:48

Instrument :
BNA_F
ClientSampleId :
OR-03-020719-A

Tot Ion:264 Resp: 304534
Ion Ratio Lower Upper
264 100
260 23.3 18.2 27.2
265 21.1 17.0 25.4

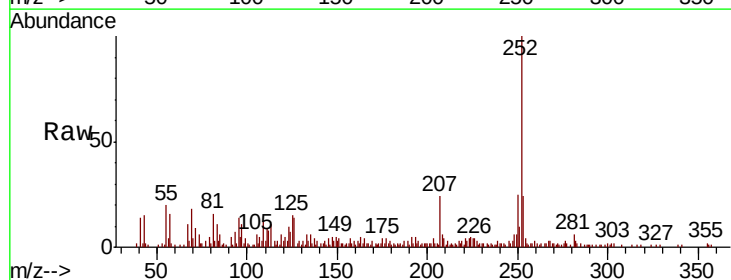


Abundance Ion 264.00 (263.70 to 264.70): E
Ion 260.00 (259.70 to 260.70): E
Ion 265.00 (264.70 to 265.70): E

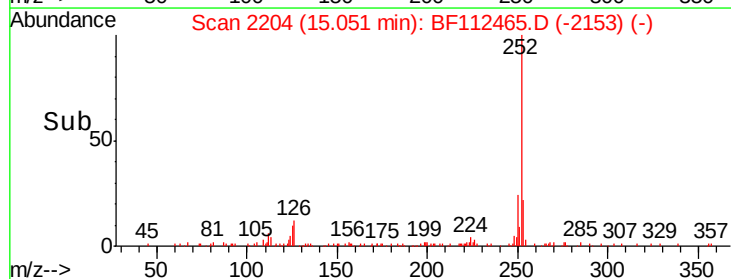
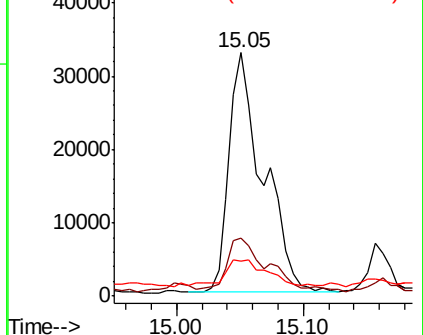


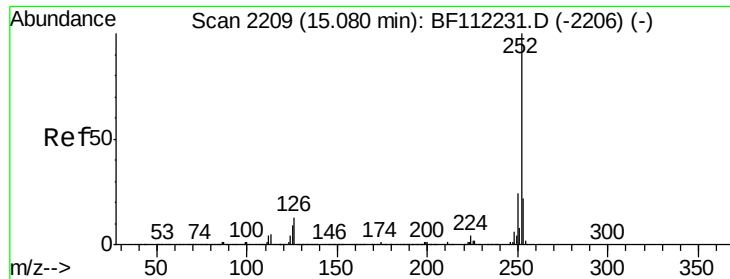
#88
Benzo(b)fluoranthene
Concen: 3.332 ng
RT: 15.05 min Scan# 2204
Delta R.T. 0.00 min
Lab File: BF112465.D
Acq: 8 Feb 2019 17:48

Tgt Ion:252 Resp: 60685
Ion Ratio Lower Upper
252 100
253 24.0 18.0 27.0
125 14.6 8.7 13.1#



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

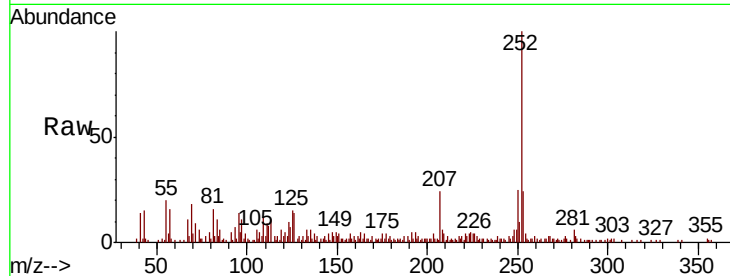




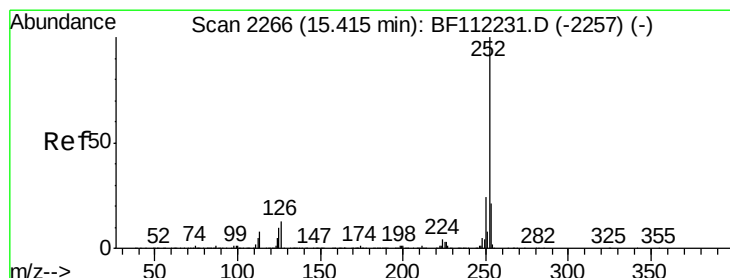
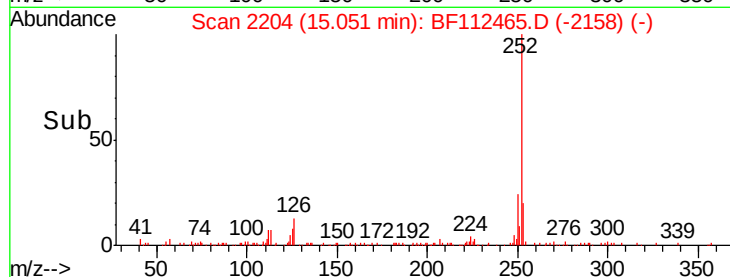
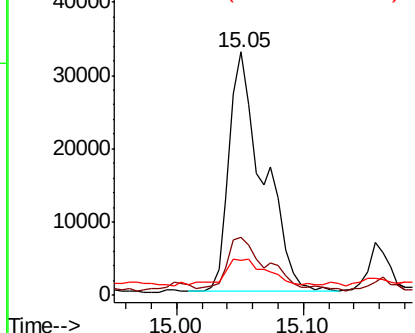
#89
Benzo(k)fluoranthene
Concen: 3.479 ng
RT: 15.05 min Scan# 2204
Delta R.T. -0.03 min
Lab File: BF112465.D
Acq: 8 Feb 2019 17:48

Instrument :
BNA_F
ClientSampleId :
OR-03-020719-A

Tot Ion	Ratio	Lower	Upper
252	100		
253	24.0	18.0	27.0
125	14.6	9.1	13.7#

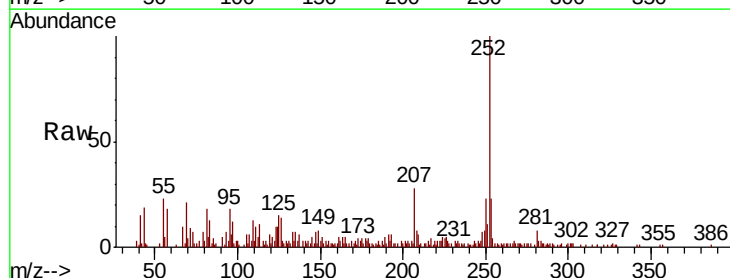


Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E



#90
Benzo(a)pyrene
Concen: 2.115 ng
RT: 15.42 min Scan# 2266
Delta R.T. 0.00 min
Lab File: BF112465.D
Acq: 8 Feb 2019 17:48

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.1	17.5	26.3
125	15.0	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

