

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF022519\
 Data File : BF112699.D
 Acq On : 25 Feb 2019 18:19
 Operator : JU/SJ
 Sample : K1596-01 2X
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 COMP-13

Quant Time: Feb 26 00:07:46 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

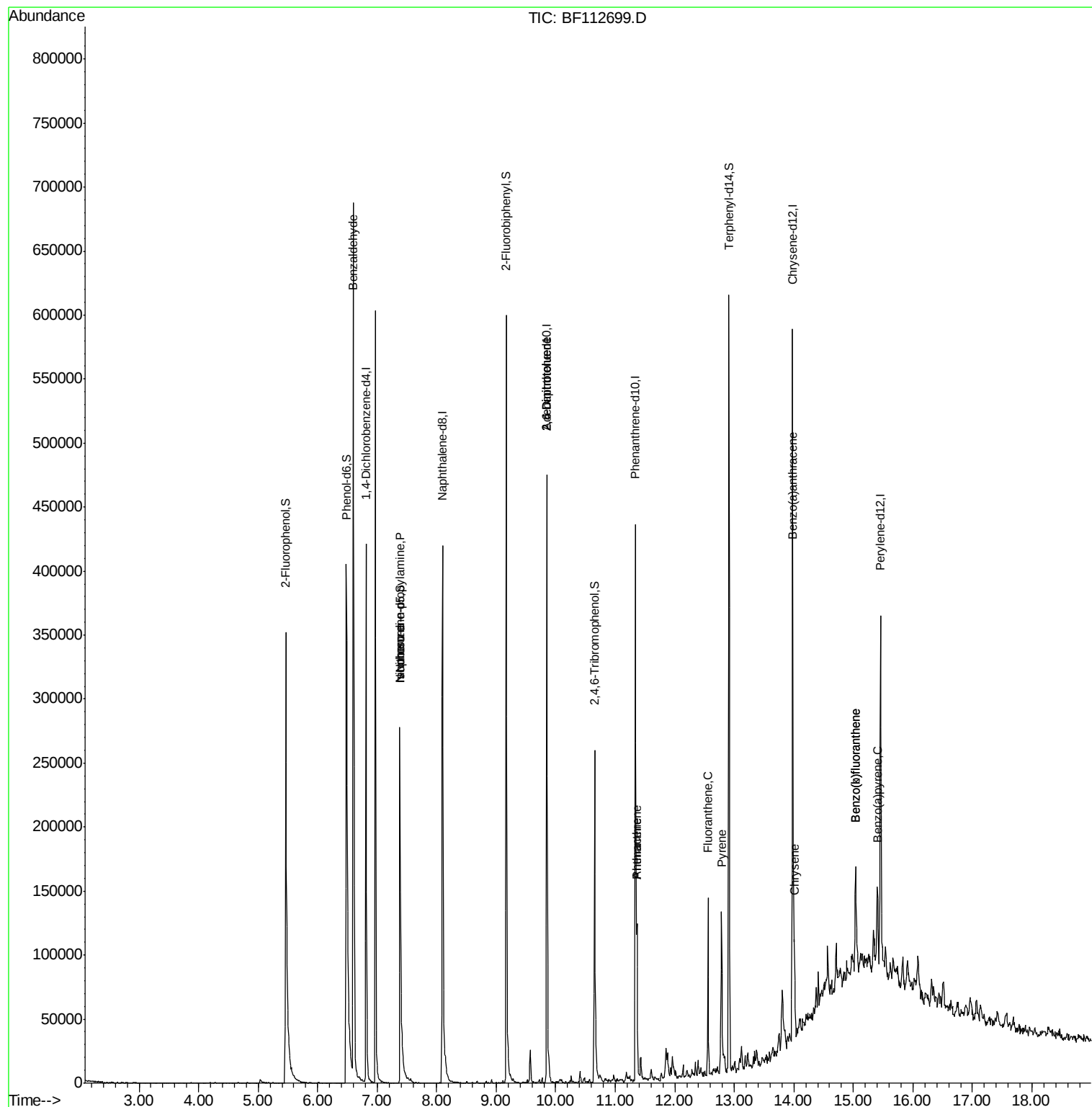
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.81	152	72027	20.00	ng	-0.04
21) Naphthalene-d8	8.10	136	271406	20.00	ng	-0.03
39) Acenaphthene-d10	9.85	164	115016	20.00	ng	-0.04
64) Phenanthrene-d10	11.34	188	185506	20.00	ng	-0.03
76) Chrysene-d12	13.98	240	177972	20.00	ng	-0.03
87) Perylene-d12	15.46	264	142983	20.00	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.46	112	185783	54.79	ng	-0.02
7) Phenol-d6	6.48	99	243839	51.75	ng	-0.01
23) Nitrobenzene-d5	7.38	82	146040	31.00	ng	-0.03
42) 2,4,6-Tribromophenol	10.65	330	45913	34.30	ng	-0.03
45) 2-Fluorobiphenyl	9.17	172	241170	29.66	ng	-0.04
79) Terphenyl-d14	12.91	244	190307	20.14	ng	-0.04
Target Compounds						
9) Benzaldehyde	6.60	77	5031	2.043	ng	# 79
19) n-Nitroso-di-n-propylamine	7.38	70	19524	6.009	ng	# 79
25) Isophorone	7.38	82	146040	19.763	ng	# 63
51) 2,6-Dinitrotoluene	9.85	165	14692	7.341	ng	# 34
57) 2,4-Dinitrotoluene	9.85	165	14692	5.766	ng	# 32
71) Phenanthrene	11.36	178	45984	4.768	ng	95
72) Anthracene	11.36	178	45984	4.787	ng	97
75) Fluoranthene	12.56	202	61132	5.910	ng	97
78) Pyrene	12.79	202	55388	4.495	ng	97
81) Benzo(a)anthracene	13.97	228	31215	2.984	ng	96
83) Chrysene	14.01	228	26361	2.640	ng	98
88) Benzo(b)fluoranthene	15.03	252	39143	4.578	ng	# 96
89) Benzo(k)fluoranthene	15.03	252	39143	4.779	ng	# 96
90) Benzo(a)pyrene	15.40	252	20913	2.718	ng	# 95

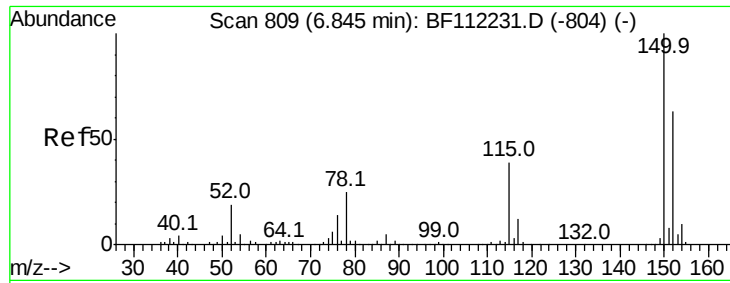
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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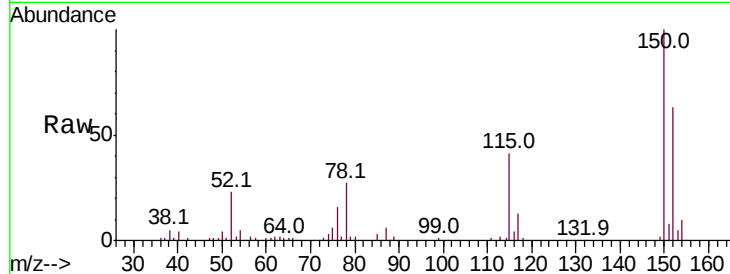


#1

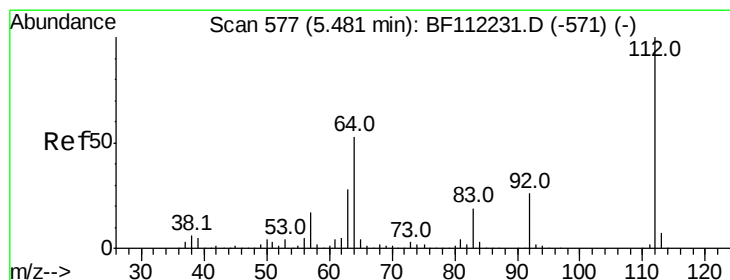
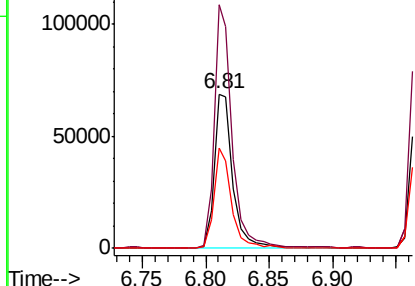
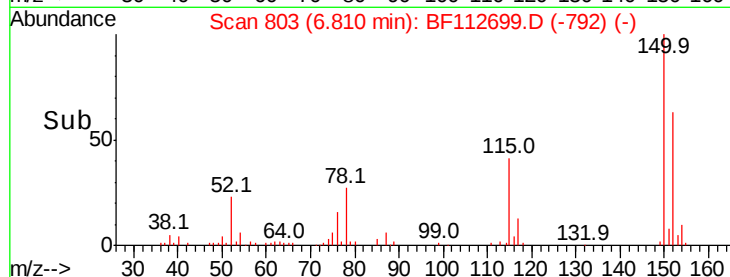
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.81 min Scan# 803
Delta R.T. -0.04 min
Lab File: BF112699.D
Acq: 25 Feb 2019 18:19

Instrument :
BNA_F
ClientSampleId :
COMP-13

Tot Ion:152 Resp: 72027
Ion Ratio Lower Upper
152 100
150 157.7 127.4 191.0
115 64.7 45.5 68.3



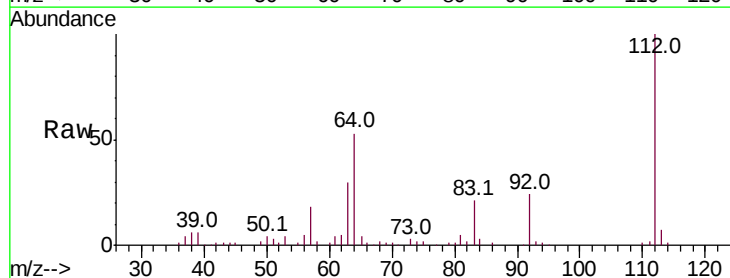
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



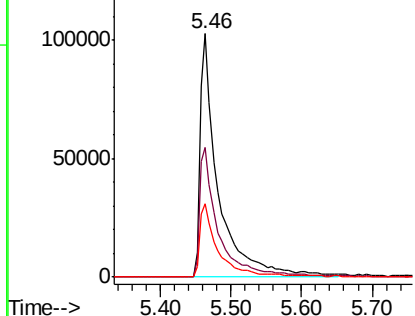
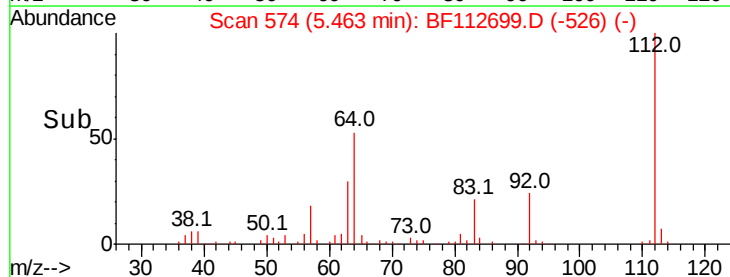
#5

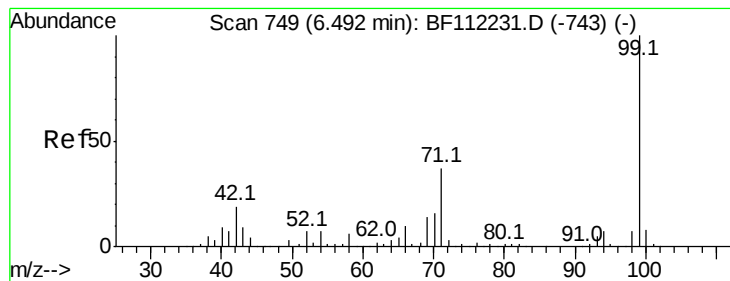
2-Fluorophenol
Concen: 54.787 ng
RT: 5.46 min Scan# 574
Delta R.T. -0.02 min
Lab File: BF112699.D
Acq: 25 Feb 2019 18:19

Tgt Ion:112 Resp: 185783
Ion Ratio Lower Upper
112 100
64 53.3 45.7 68.5
63 30.3 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: 51.749 ng

RT: 6.48 min Scan# 747

Delta R.T. -0.01 min

Lab File: BF112699.D

Acq: 25 Feb 2019 18:19

Instrument :

BNA_F

ClientSampleId :

COMP-13

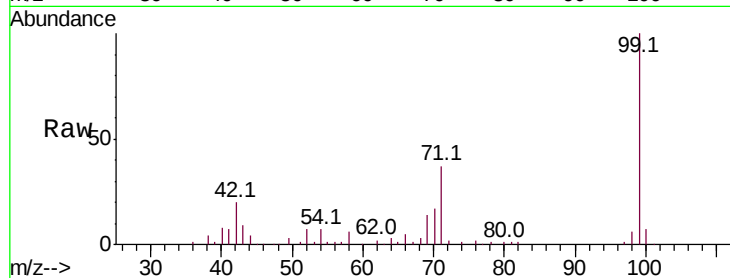
Tot Ion: 99 Resp: 243839

Ion Ratio Lower Upper

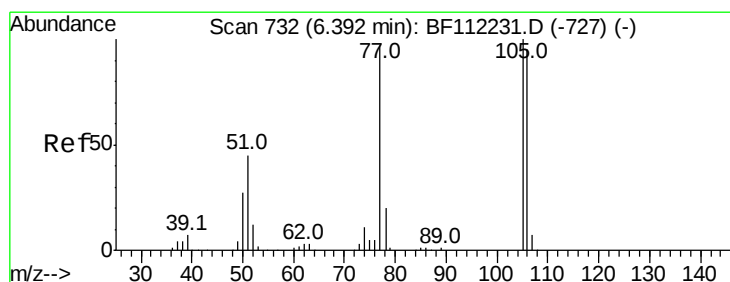
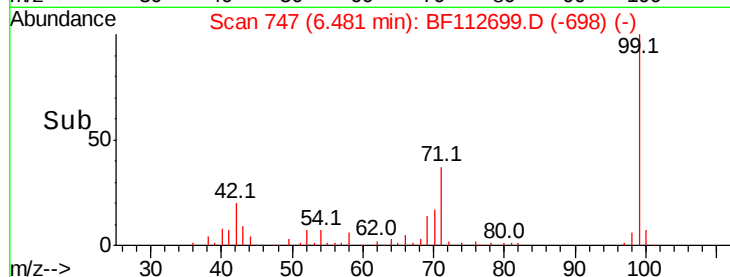
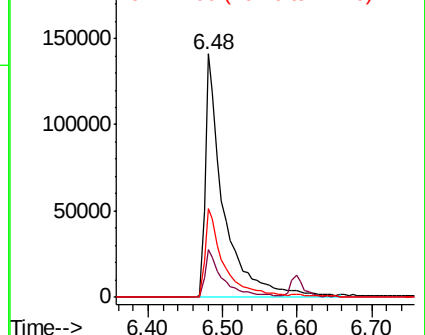
99 100

42 19.6 15.1 22.7

71 36.6 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



#9

Benzaldehyde

Concen: 2.043 ng

RT: 6.60 min Scan# 767

Delta R.T. 0.21 min

Lab File: BF112699.D

Acq: 25 Feb 2019 18:19

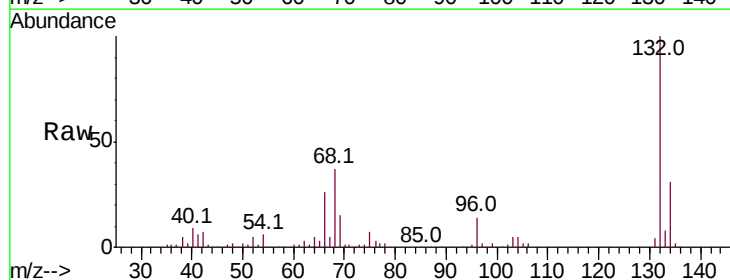
Tgt Ion: 77 Resp: 5031

Ion Ratio Lower Upper

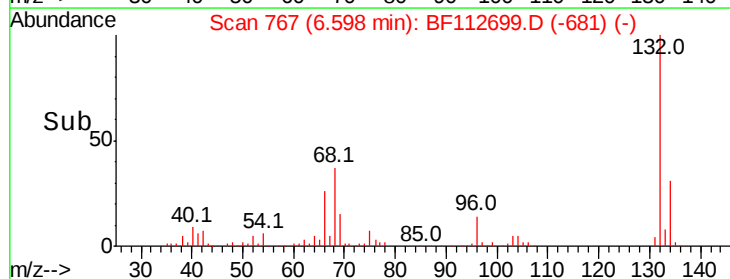
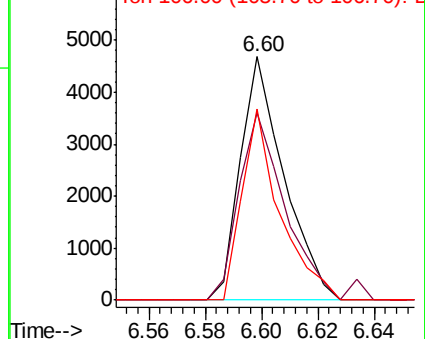
77 100

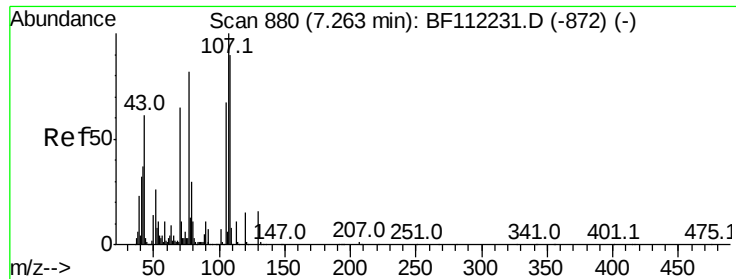
105 77.0 80.8 120.8#

106 78.4 75.7 115.7



Abundance Ion 77.00 (76.70 to 77.70): BF1
Ion 105.00 (104.70 to 105.70): E
Ion 106.00 (105.70 to 106.70): E

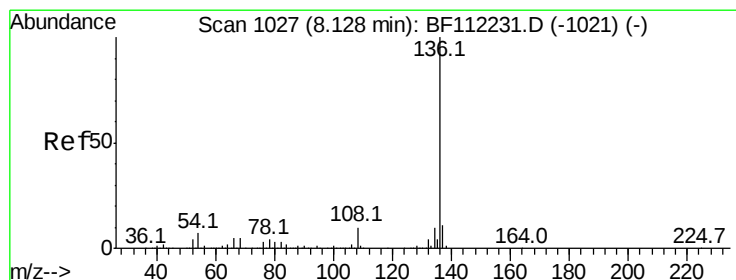
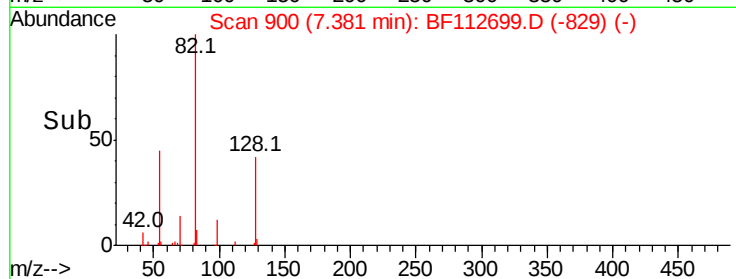
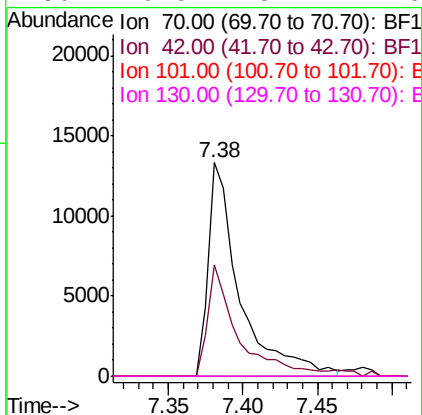
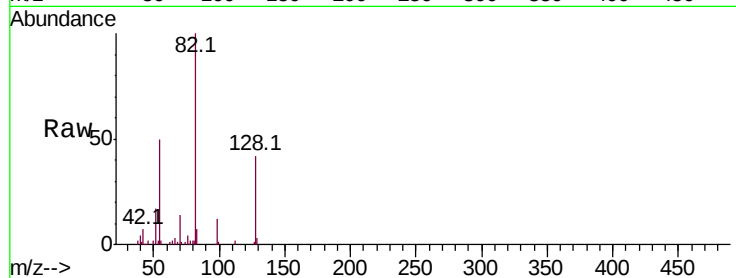




#19
n-Nitroso-di-n-propylamine
Concen: 6.009 ng
RT: 7.38 min Scan# 900
Delta R.T. 0.12 min
Lab File: BF112699.D
Acq: 25 Feb 2019 18:19

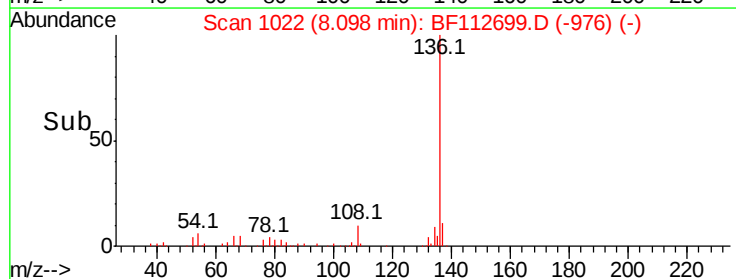
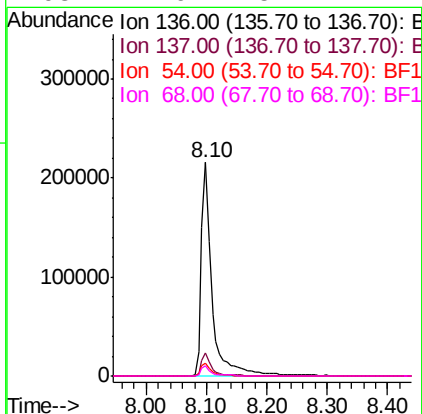
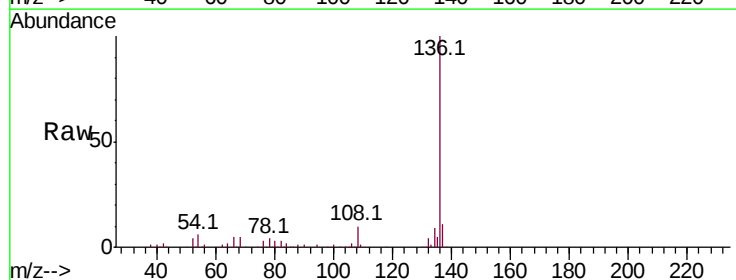
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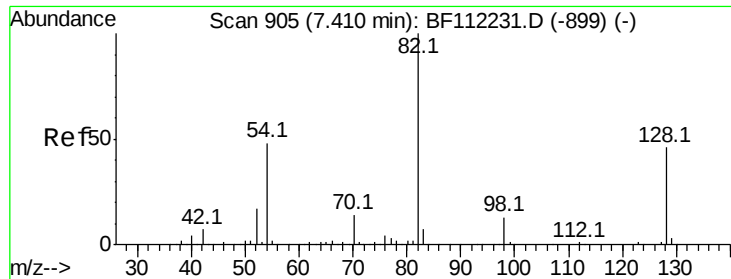
Tot Ion: 70 Resp: 19524
Ion Ratio Lower Upper
70 100
42 52.2 47.6 71.4
101 0.0 7.9 11.9#
130 0.0 18.4 27.6#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.10 min Scan# 1022
Delta R.T. -0.03 min
Lab File: BF112699.D
Acq: 25 Feb 2019 18:19

Tgt Ion: 136 Resp: 271406
Ion Ratio Lower Upper
136 100
137 10.8 9.1 13.7
54 5.9 5.9 8.9
68 4.9 5.1 7.7#





#23

Nitrobenzene-d5

Concen: 31.004 ng

RT: 7.38 min Scan# 900

Delta R.T. -0.03 min

Lab File: BF112699.D

Acq: 25 Feb 2019 18:19

Instrument :

BNA_F

ClientSampleId :

COMP-13

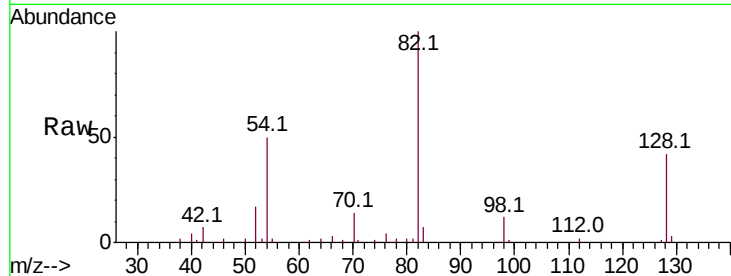
Tot Ion: 82 Resp: 146040

Ion Ratio Lower Upper

82 100

128 42.0 37.8 56.8

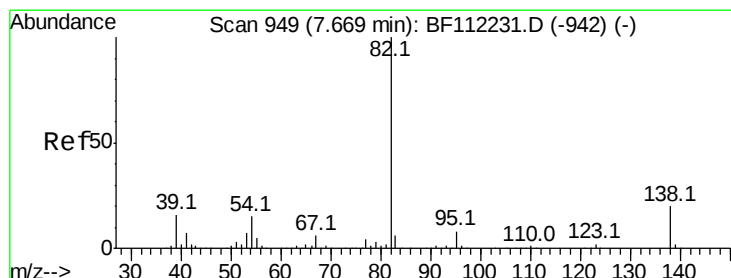
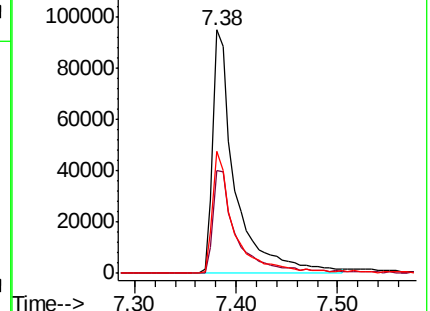
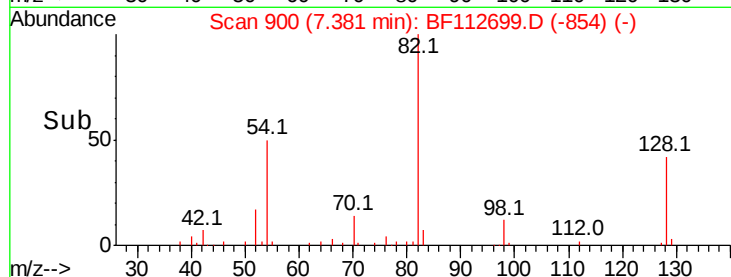
54 50.0 39.7 59.5



Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 128.00 (127.70 to 128.70): BF1

Ion 54.00 (53.70 to 54.70): BF1



#25

Isophorone

Concen: 19.763 ng

RT: 7.38 min Scan# 900

Delta R.T. -0.29 min

Lab File: BF112699.D

Acq: 25 Feb 2019 18:19

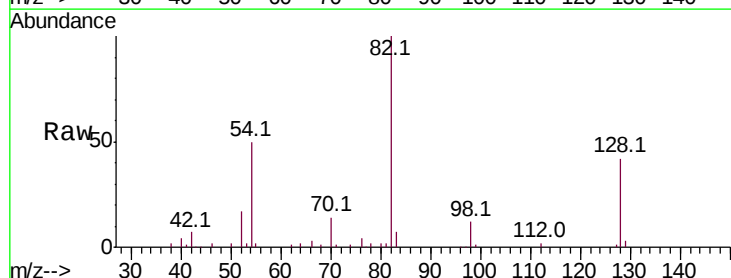
Tgt Ion: 82 Resp: 146040

Ion Ratio Lower Upper

82 100

95 0.0 5.7 8.5#

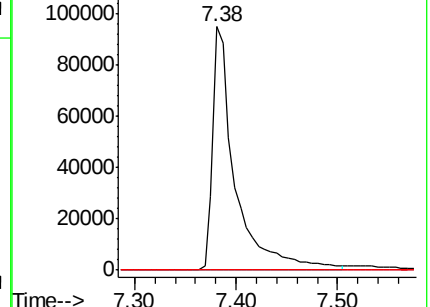
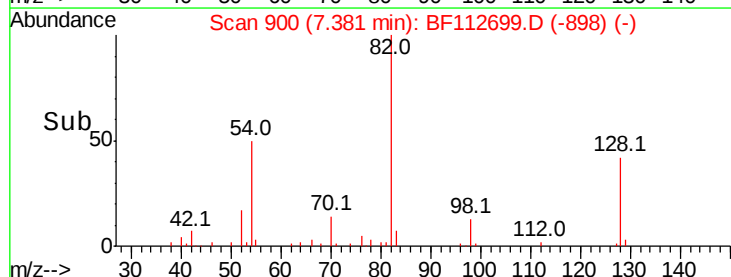
138 0.0 15.4 23.0#

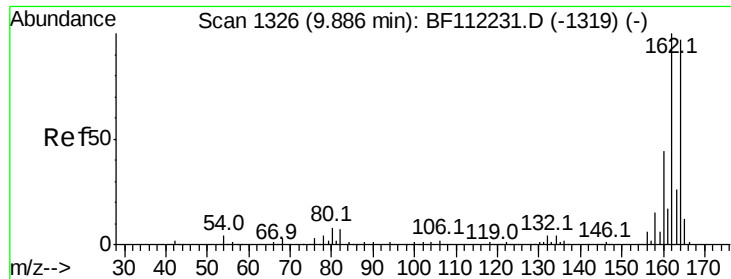


Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 95.00 (94.70 to 95.70): BF1

Ion 138.00 (137.70 to 138.70): BF1

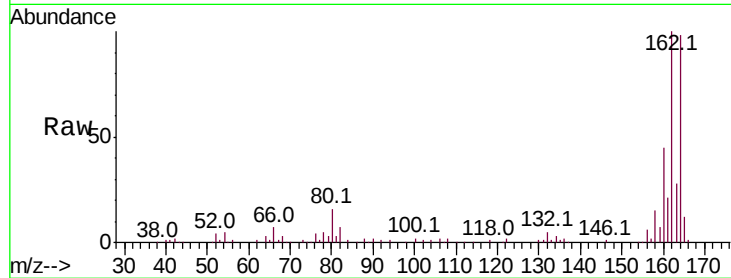




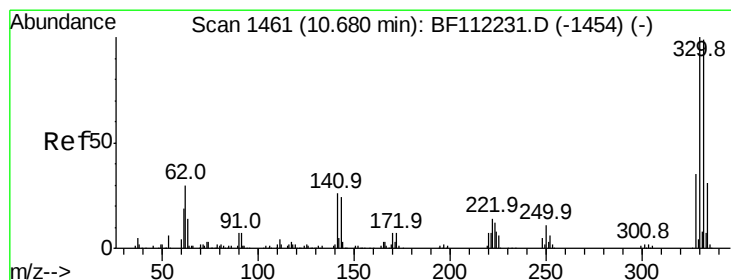
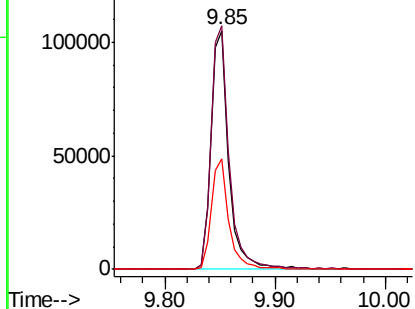
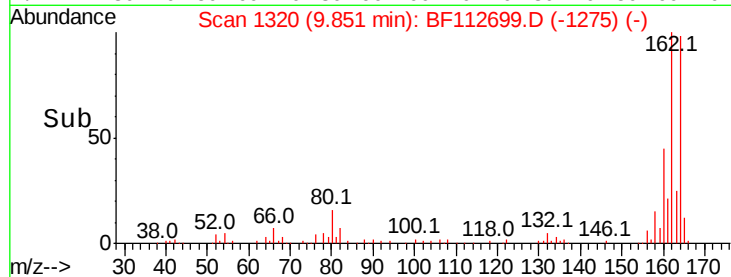
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.85 min Scan# 1320
Delta R.T. -0.04 min
Lab File: BF112699.D
Acq: 25 Feb 2019 18:19

Instrument :
BNA_F
ClientSampleID :
COMP-13

Tot Ion:164 Resp: 115016
Ion Ratio Lower Upper
164 100
162 102.0 82.2 123.4
160 46.1 36.2 54.4

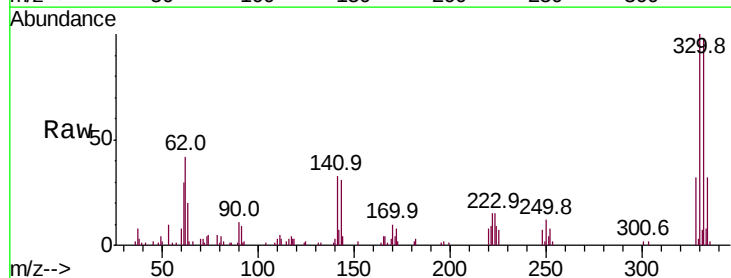


Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E

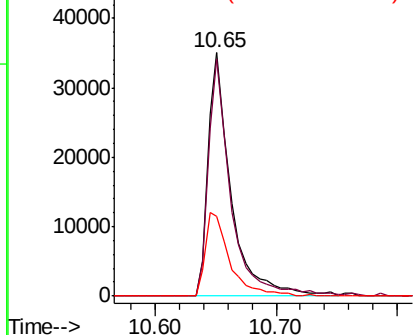
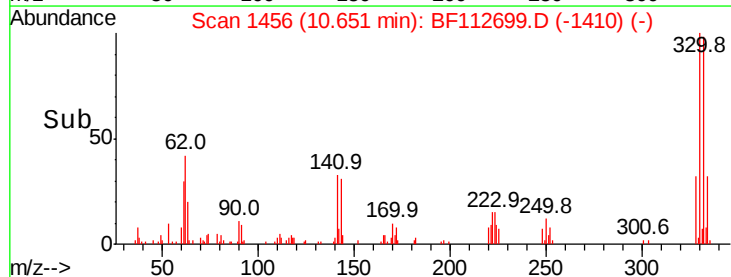


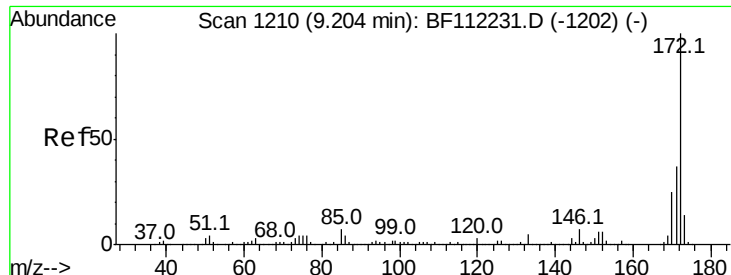
#42
2,4,6-Tribromophenol
Concen: 34.295 ng
RT: 10.65 min Scan# 1456
Delta R.T. -0.03 min
Lab File: BF112699.D
Acq: 25 Feb 2019 18:19

Tgt Ion:330 Resp: 45913
Ion Ratio Lower Upper
330 100
332 95.9 76.6 114.8
141 36.4 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

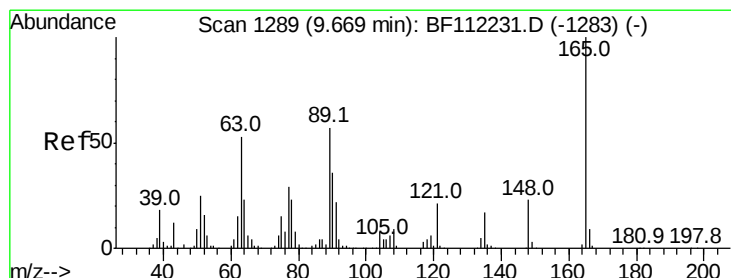
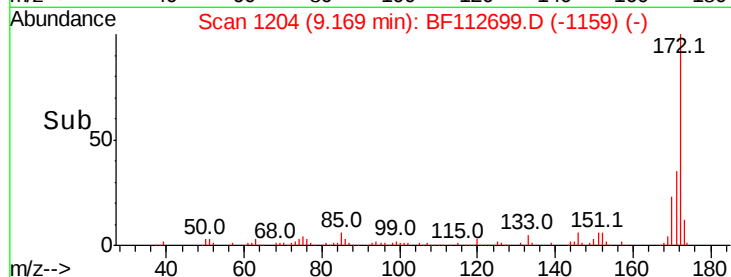
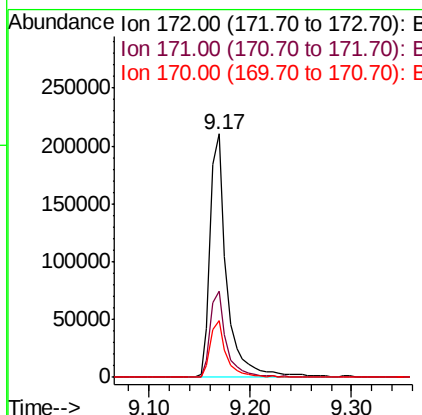
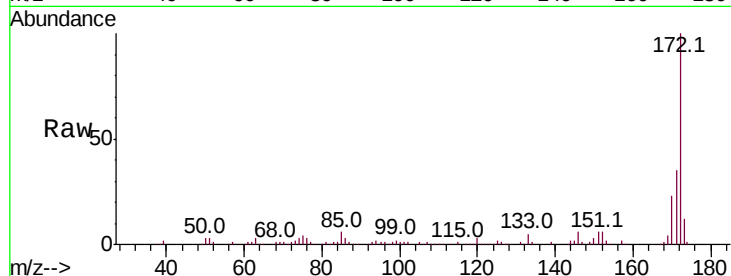




#45
 2-Fluorobiphenyl
 Concen: 29.656 ng
 RT: 9.17 min Scan# 1204
 Delta R.T. -0.04 min
 Lab File: BF112699.D
 Acq: 25 Feb 2019 18:19

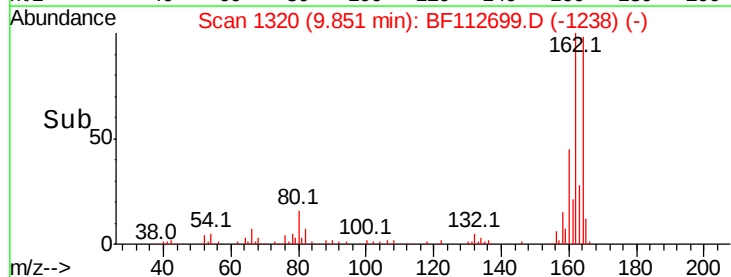
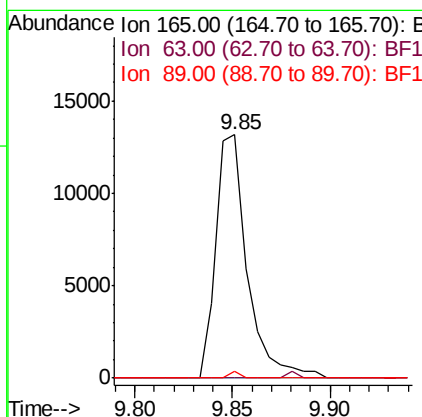
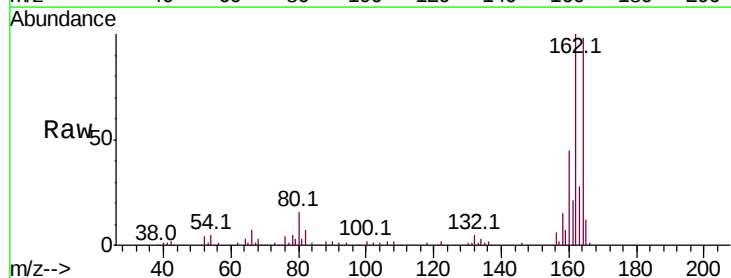
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 BNA_F
 ClientSampled :
 COMP-13

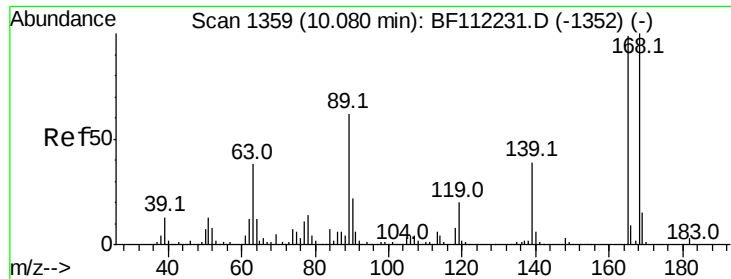
Tot Ion:172 Resp: 241170
 Ion Ratio Lower Upper
 172 100
 171 35.2 30.5 45.7
 170 23.3 20.2 30.4



#51
 2,6-Dinitrotoluene
 Concen: 7.341 ng
 RT: 9.85 min Scan# 1320
 Delta R.T. 0.18 min
 Lab File: BF112699.D
 Acq: 25 Feb 2019 18:19

Tgt Ion:165 Resp: 14692
 Ion Ratio Lower Upper
 165 100
 63 0.0 33.8 50.8#
 89 2.8 36.9 55.3#

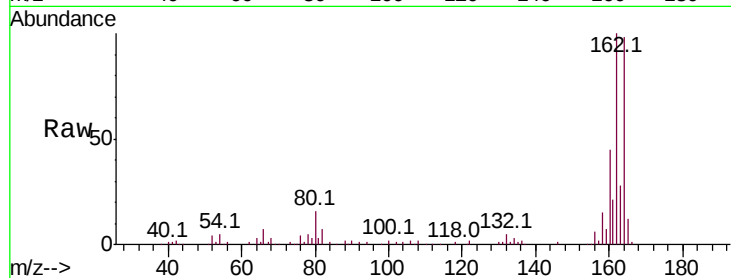




#57
 2,4-Dinitrotoluene
 Concen: 5.766 ng
 RT: 9.85 min Scan# 1320
 Delta R.T. -0.23 min
 Lab File: BF112699.D
 Acq: 25 Feb 2019 18:19

Instrument :
 BNA_F
 ClientSampleId :
 COMP-13

Tot Ion	Ratio	Lower	Upper
165	100		
63	0.0	27.9	41.9#
89	2.8	47.9	71.9#
182	0.0	2.2	3.4#



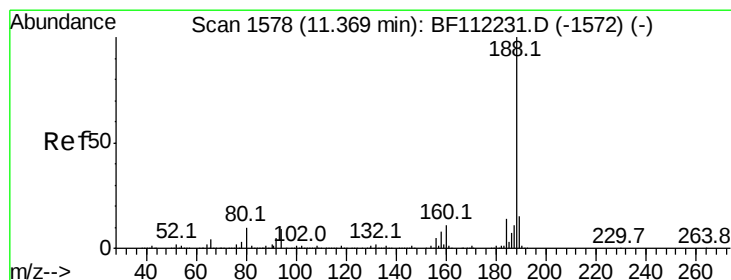
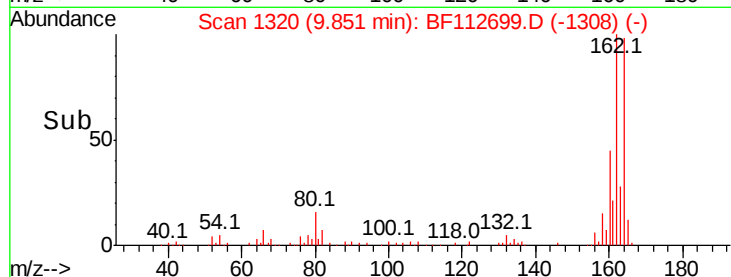
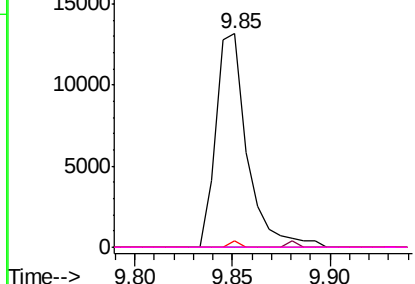
Abundance

Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF1

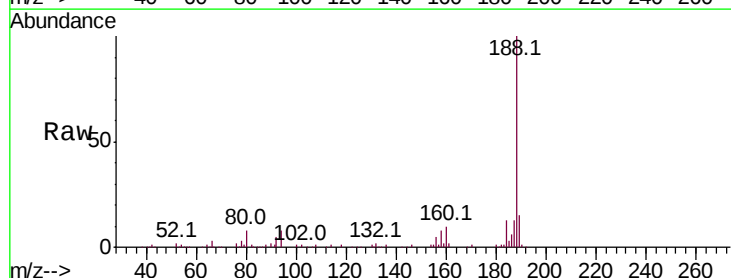
Ion 89.00 (88.70 to 89.70): BF1

Ion 182.00 (181.70 to 182.70): E



#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.34 min Scan# 1573
 Delta R.T. -0.03 min
 Lab File: BF112699.D
 Acq: 25 Feb 2019 18:19

Tgt Ion	Ratio	Lower	Upper
188	100		
94	7.7	8.2	12.2#
80	8.3	8.9	13.3#

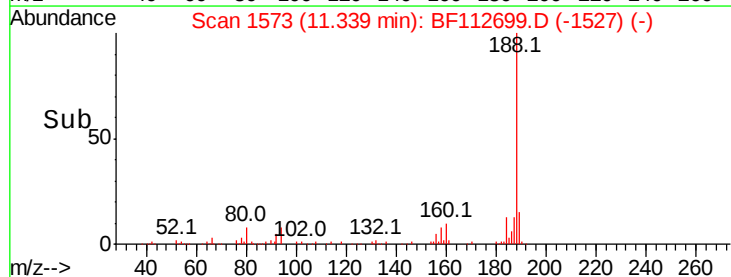
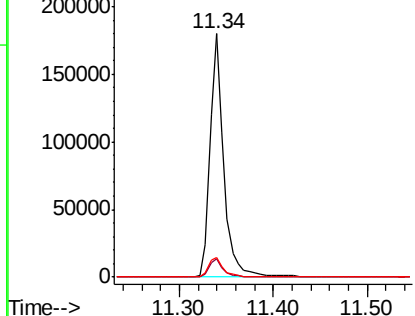


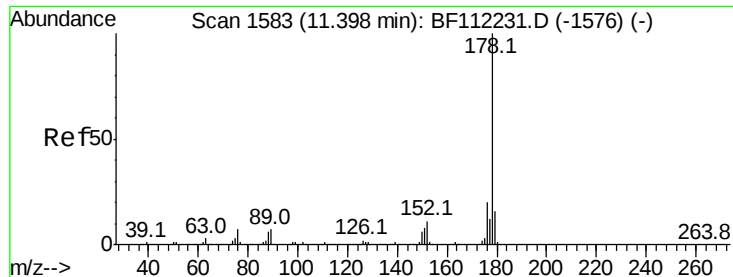
Abundance

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

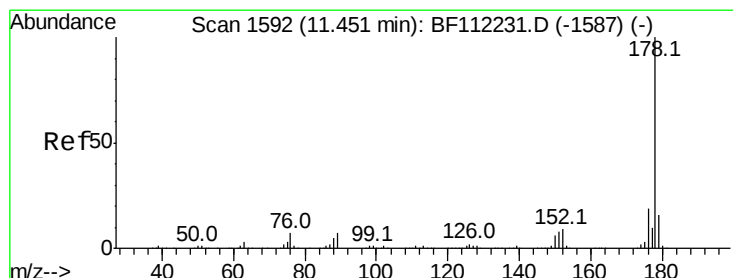
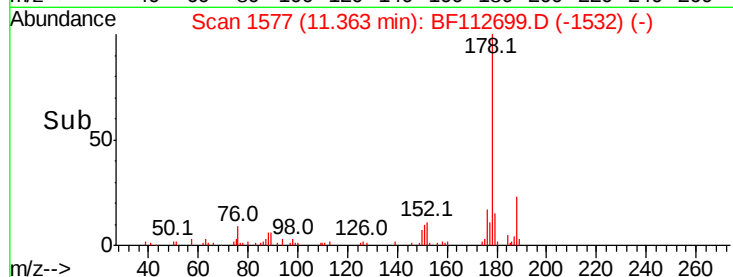
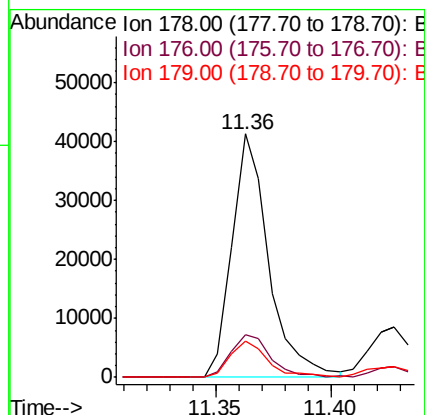
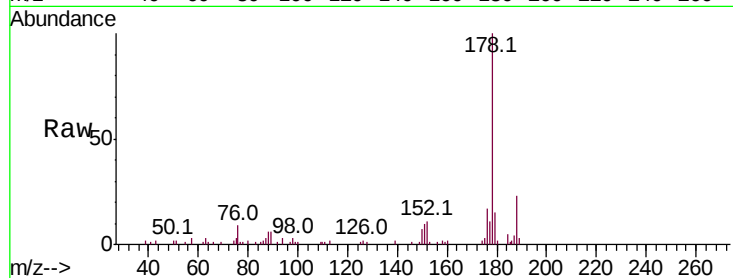




#71
Phenanthrene
Concen: 4.768 ng
RT: 11.36 min Scan# 1577
Delta R.T. -0.04 min
Lab File: BF112699.D
Acq: 25 Feb 2019 18:19

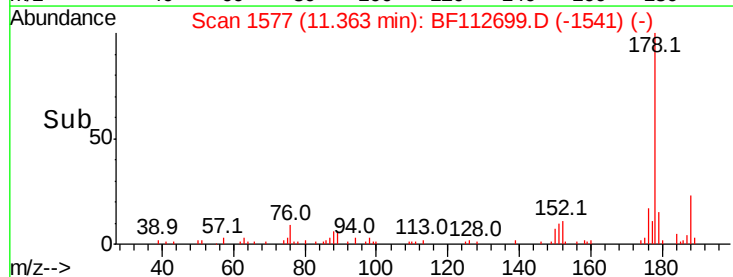
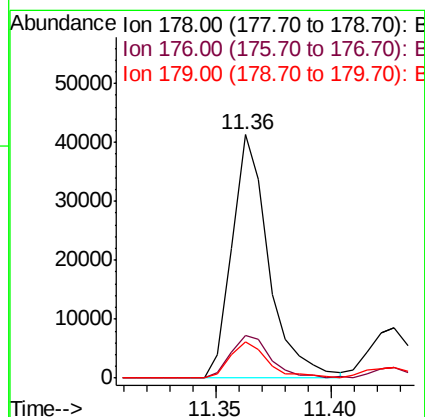
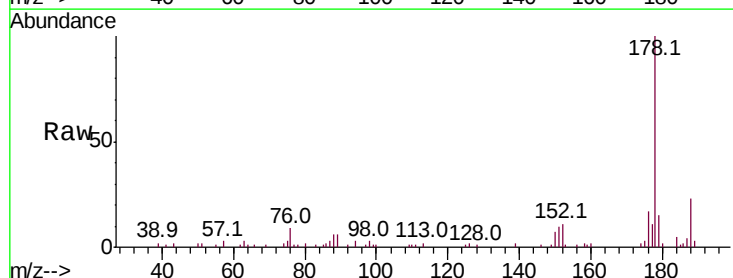
Instrument :
BNA_F
ClientSampleId :
COMP-13

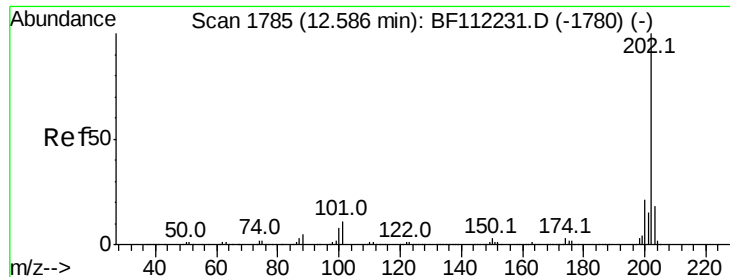
Tot Ion:178 Resp: 45984
Ion Ratio Lower Upper
178 100
176 17.5 16.3 24.5
179 14.9 13.0 19.4



#72
Anthracene
Concen: 4.787 ng
RT: 11.36 min Scan# 1577
Delta R.T. -0.09 min
Lab File: BF112699.D
Acq: 25 Feb 2019 18:19

Tgt Ion:178 Resp: 45984
Ion Ratio Lower Upper
178 100
176 17.5 15.5 23.3
179 14.9 12.8 19.2





#75

Fluoranthene

Concen: 5.910 ng

RT: 12.56 min Scan# 1780

Delta R.T. -0.03 min

Lab File: BF112699.D

Acq: 25 Feb 2019 18:19

Instrument :

BNA_F

ClientSampleId :

COMP-13

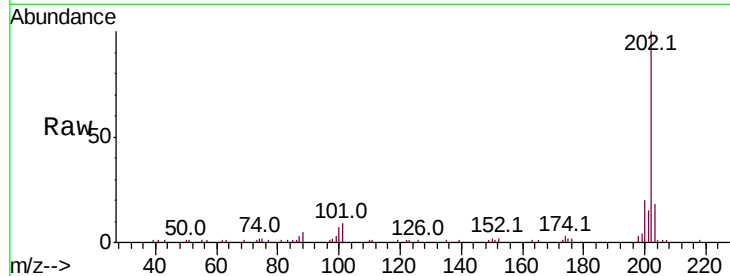
Tot Ion:202 Resp: 61132

Ion Ratio Lower Upper

202 100

101 9.0 0.0 31.8

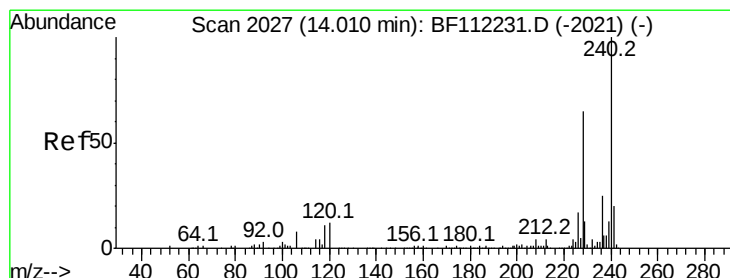
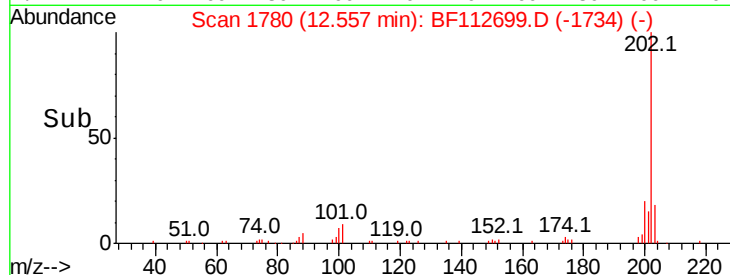
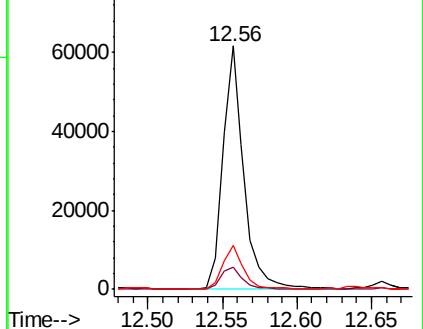
203 18.0 0.0 38.4



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: 13.98 min Scan# 2022

Delta R.T. -0.03 min

Lab File: BF112699.D

Acq: 25 Feb 2019 18:19

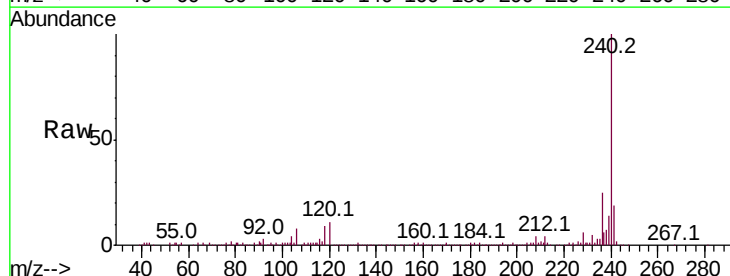
Tgt Ion:240 Resp: 177972

Ion Ratio Lower Upper

240 100

120 11.2 9.0 13.6

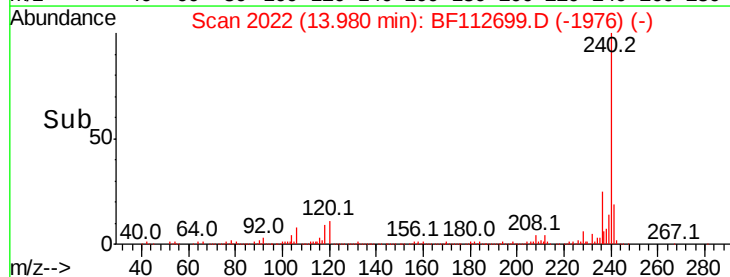
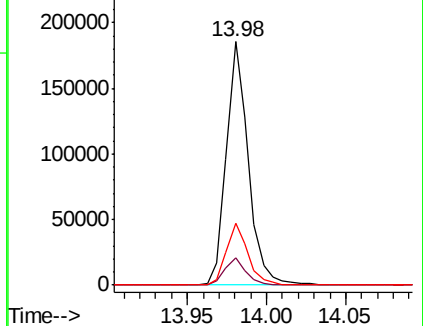
236 25.4 20.7 31.1

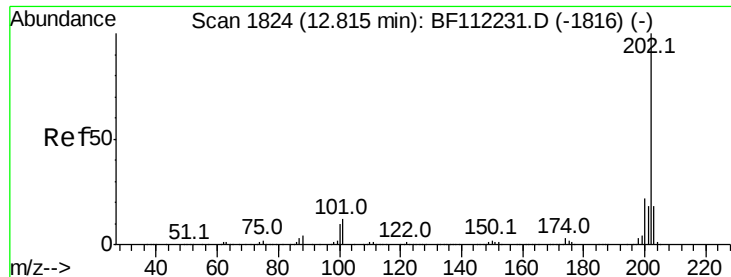


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E

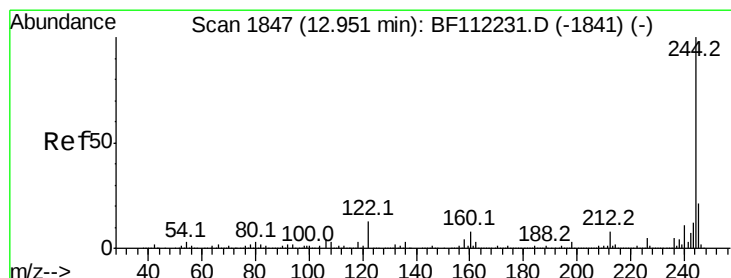
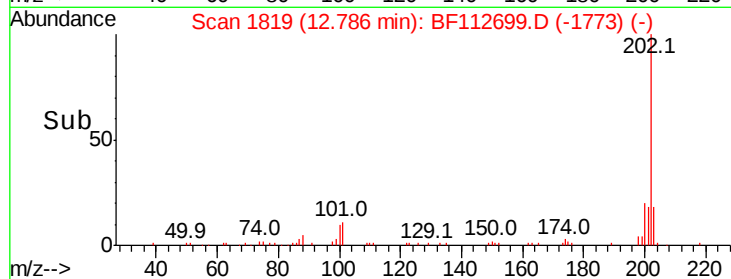
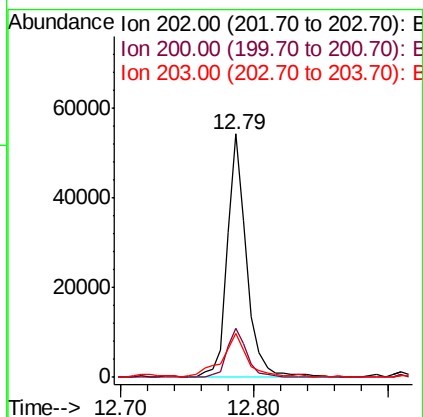
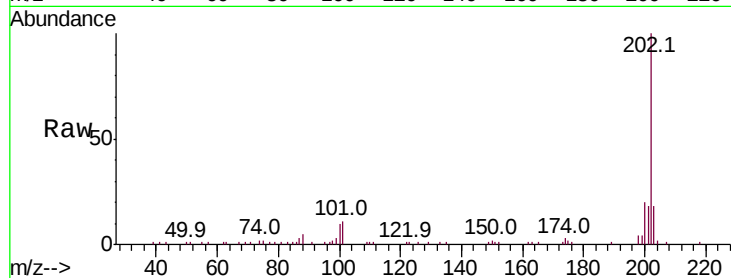




#78
Pvrene
Concen: 4.495 ng
RT: 12.79 min Scan# 1819
Delta R.T. -0.03 min
Lab File: BF112699.D
Acq: 25 Feb 2019 18:19

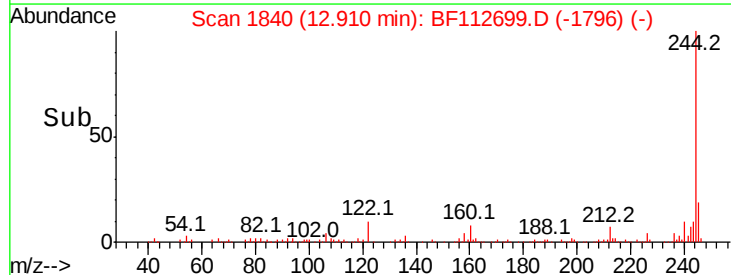
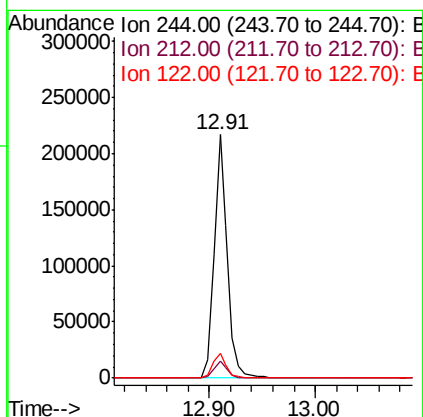
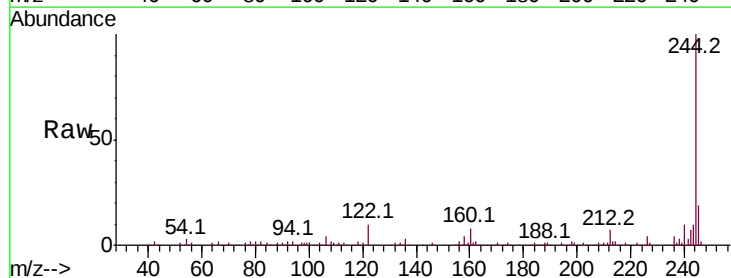
Instrument :
BNA_F
ClientSampleId :
COMP-13

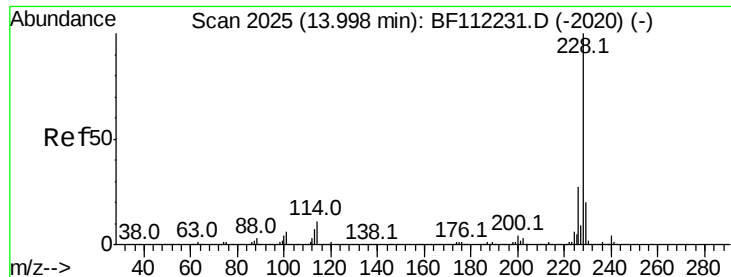
Tot Ion:202 Resp: 55388
Ion Ratio Lower Upper
202 100
200 20.0 17.7 26.5
203 18.0 14.6 22.0



#79
Terphenyl-d14
Concen: 20.140 ng
RT: 12.91 min Scan# 1840
Delta R.T. -0.04 min
Lab File: BF112699.D
Acq: 25 Feb 2019 18:19

Tgt Ion:244 Resp: 190307
Ion Ratio Lower Upper
244 100
212 7.0 5.9 8.9
122 10.2 9.8 14.6

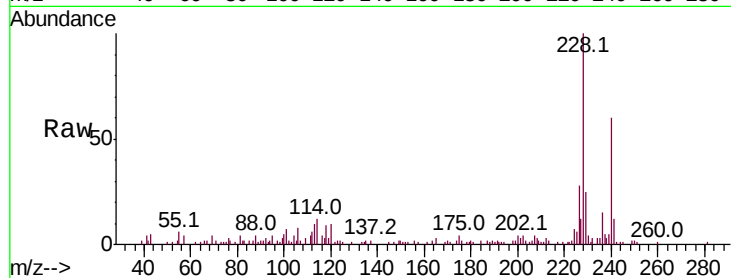




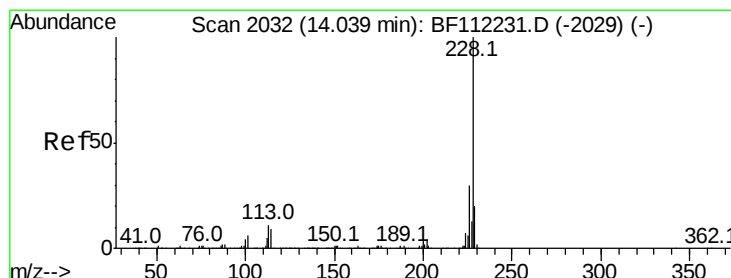
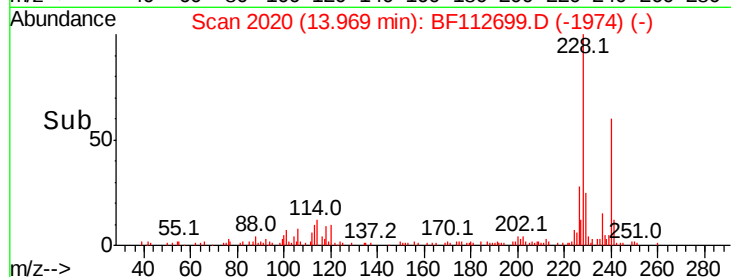
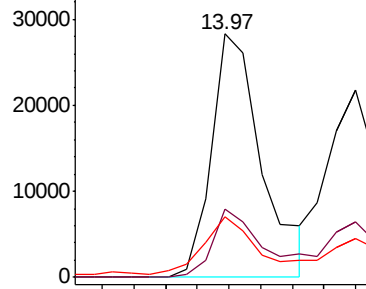
#81
Benzo(a)anthracene
Concen: 2.984 ng
RT: 13.97 min Scan# 2020
Delta R.T. -0.03 min
Lab File: BF112699.D
Acq: 25 Feb 2019 18:19

Instrument :
BNA_F
ClientSampleId :
COMP-13

Tot Ion	Ratio	Lower	Upper
228	100		
226	27.8	22.6	34.0
229	24.6	16.5	24.7

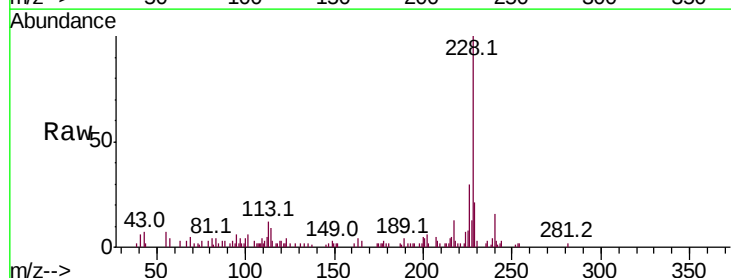


Abundance Ion 228.00 (227.70 to 228.70): E
Ion 226.00 (225.70 to 226.70): E
Ion 229.00 (228.70 to 229.70): E

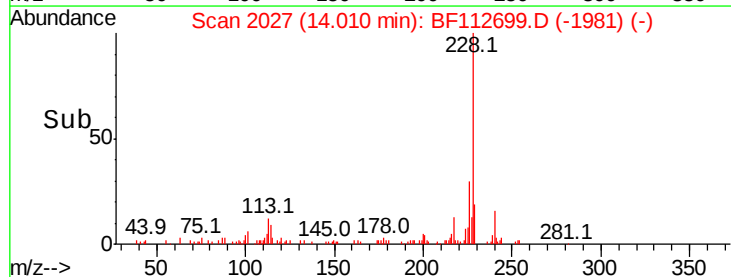
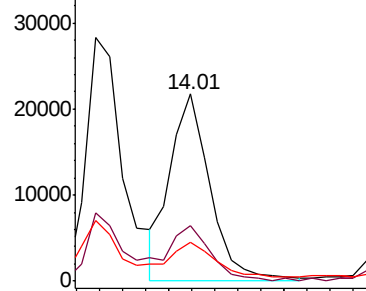


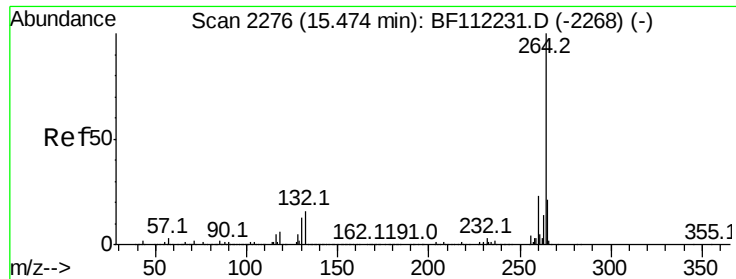
#83
Chrysene
Concen: 2.640 ng
RT: 14.01 min Scan# 2027
Delta R.T. -0.03 min
Lab File: BF112699.D
Acq: 25 Feb 2019 18:19

Tgt Ion	Ratio	Lower	Upper
228	100		
226	29.8	25.0	37.6
229	21.1	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: 15.46 min Scan# 2273

Delta R.T. -0.02 min

Lab File: BF112699.D

Acq: 25 Feb 2019 18:19

Instrument :

BNA_F

ClientSampleId :

COMP-13

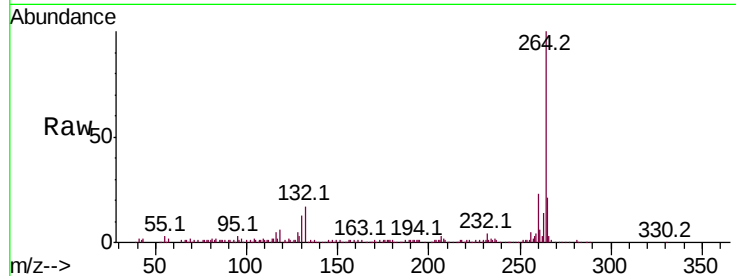
Tot Ion:264 Resp: 142983

Ion Ratio Lower Upper

264 100

260 22.9 18.2 27.2

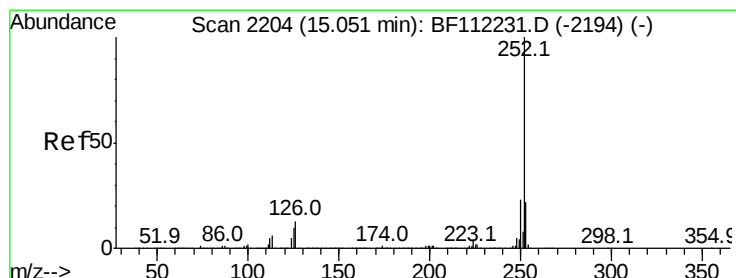
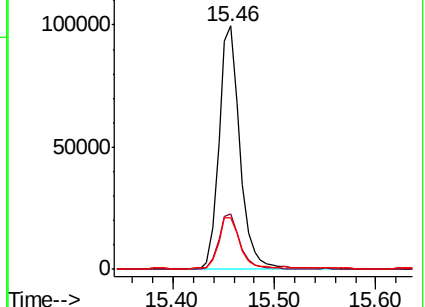
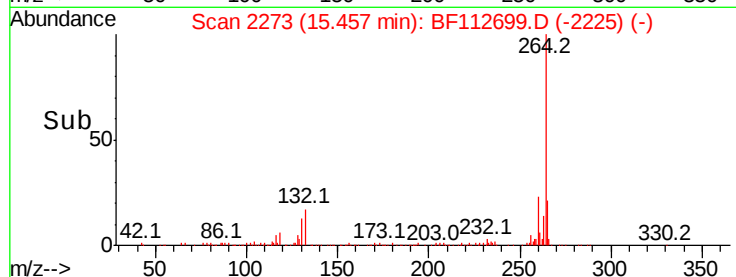
265 21.2 17.0 25.4



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: 4.578 ng

RT: 15.03 min Scan# 2201

Delta R.T. -0.02 min

Lab File: BF112699.D

Acq: 25 Feb 2019 18:19

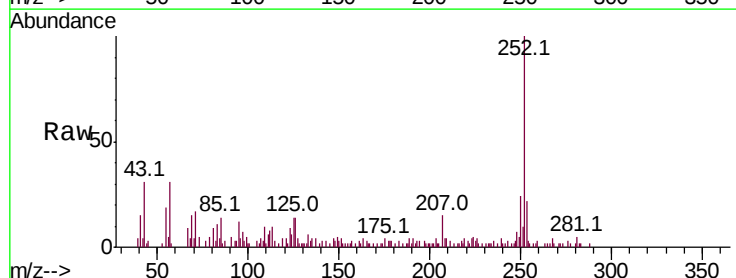
Tgt Ion:252 Resp: 39143

Ion Ratio Lower Upper

252 100

253 21.6 18.0 27.0

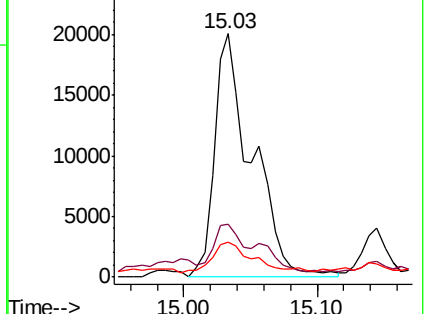
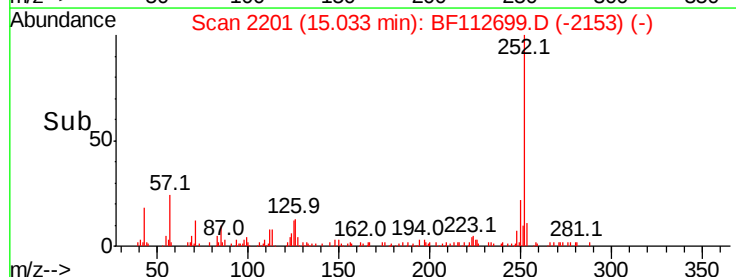
125 14.4 8.7 13.1#

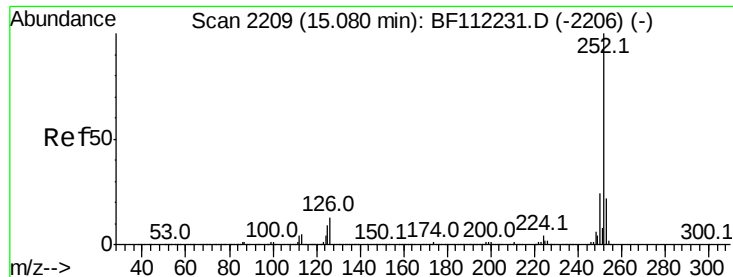


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E

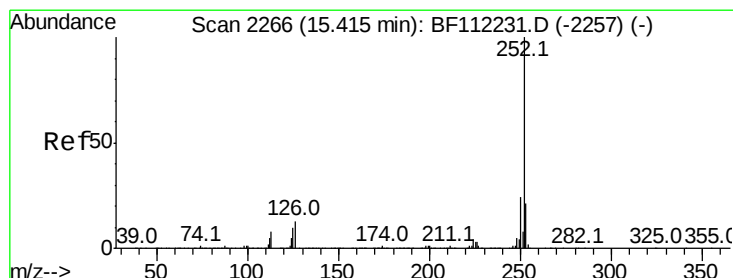
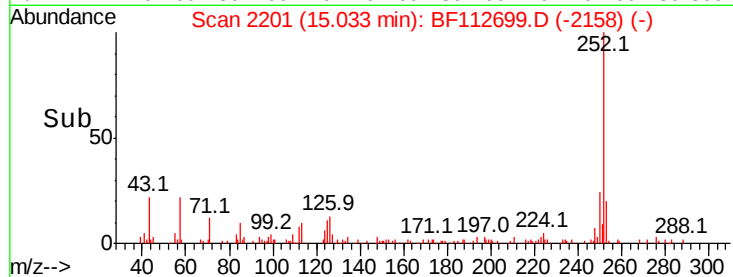
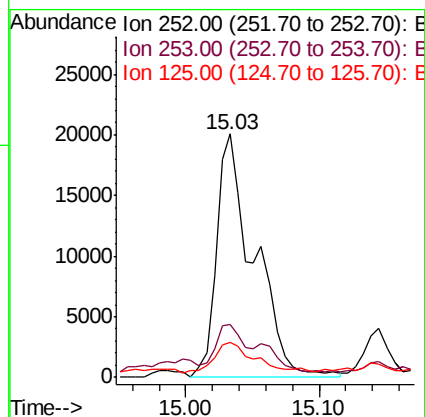
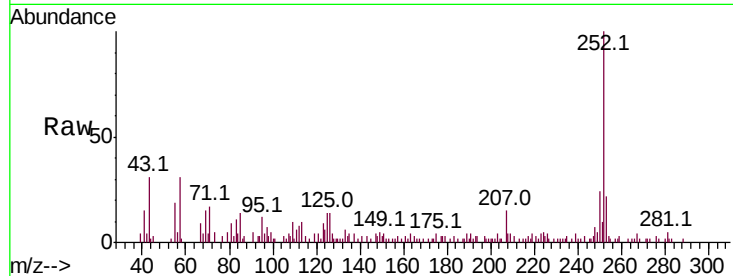




#89
Benzo(k)fluoranthene
Concen: 4.779 ng
RT: 15.03 min Scan# 2201
Delta R.T. -0.05 min
Lab File: BF112699.D
Acq: 25 Feb 2019 18:19

Instrument :
BNA_F
ClientSampleId :
COMP-13

Tot Ion:252 Resp: 39143
Ion Ratio Lower Upper
252 100
253 21.6 18.0 27.0
125 14.4 9.1 13.7#



#90
Benzo(a)pyrene
Concen: 2.718 ng
RT: 15.40 min Scan# 2263
Delta R.T. -0.02 min
Lab File: BF112699.D
Acq: 25 Feb 2019 18:19

Tgt Ion:252 Resp: 20913
Ion Ratio Lower Upper
252 100
253 23.5 17.5 26.3
125 14.5 9.0 13.4#

