

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF020519\
 Data File : BF112412.D
 Acq On : 5 Feb 2019 22:44
 Operator : JU/SJ
 Sample : K1350-01 2X
 Misc :
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 EO-03-020419-A

Quant Time: Feb 06 00:46:54 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	161836	20.00	ng	-0.01
21) Naphthalene-d8	8.12	136	599688	20.00	ng	-0.01
39) Acenaphthene-d10	9.87	164	250540	20.00	ng	-0.02
64) Phenanthrene-d10	11.36	188	389299	20.00	ng	-0.01
76) Chrysene-d12	14.00	240	306629	20.00	ng	-0.01
87) Perylene-d12	15.47	264	231813	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.46	112	446998	58.67	ng	-0.02
7) Phenol-d6	6.47	99	556443	52.56	ng	-0.02
23) Nitrobenzene-d5	7.39	82	321685	30.91	ng	-0.02
42) 2,4,6-Tribromophenol	10.66	330	117300	40.22	ng	-0.02
45) 2-Fluorobiphenyl	9.19	172	647900	36.57	ng	-0.02
79) Terphenyl-d14	12.94	244	475706	29.22	ng	-0.01

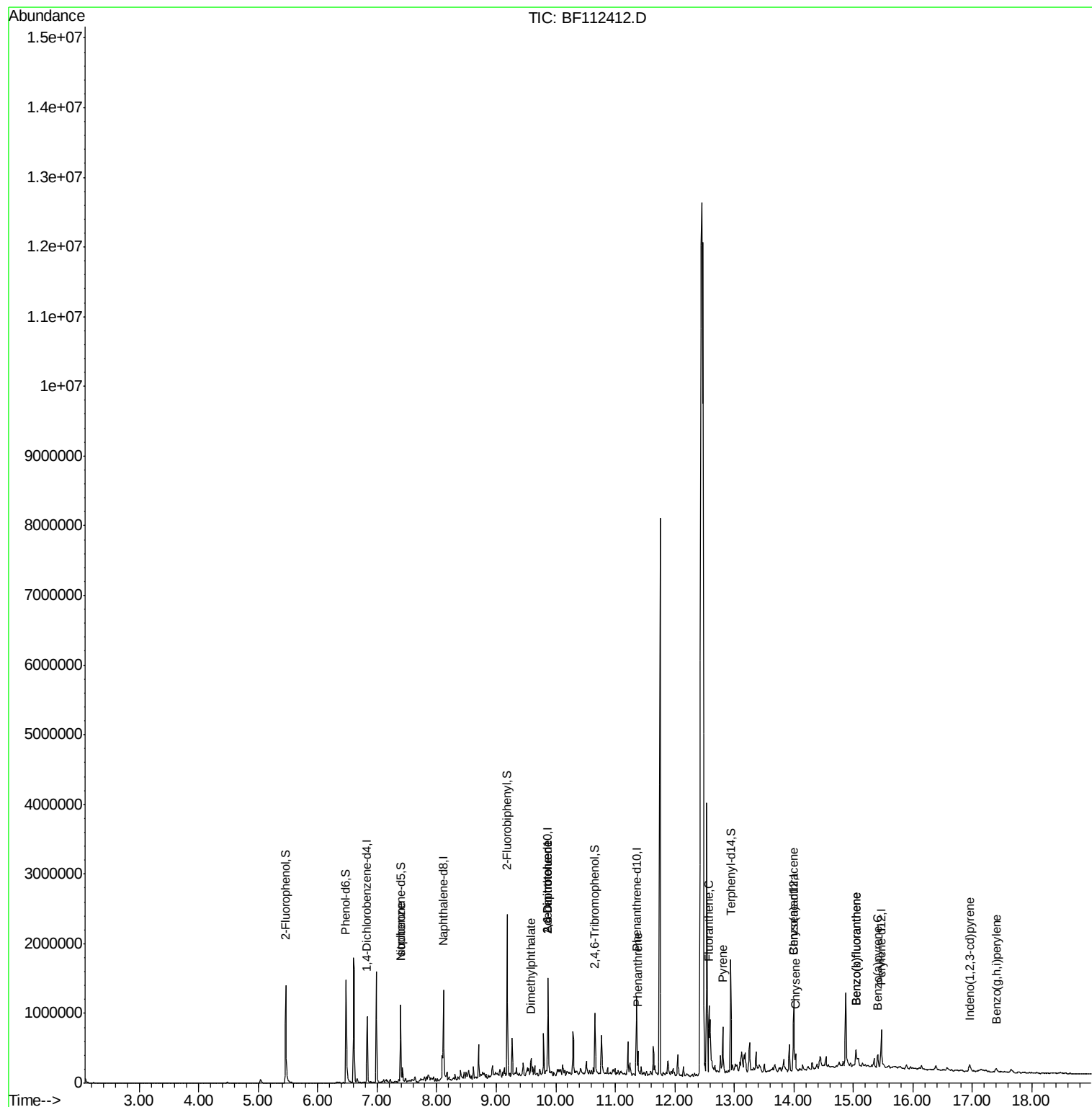
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
25) Isophorone	7.39	82	321685	19.702	ng	# 64
50) Dimethylphthalate	9.58	163	39524	2.030	ng	# 98
51) 2,6-Dinitrotoluene	9.87	165	35481	8.139	ng	# 35
57) 2,4-Dinitrotoluene	9.87	165	35481	6.393	ng	# 32
71) Phenanthrene	11.38	178	123027	6.079	ng	96
75) Fluoranthene	12.57	202	236126	10.878	ng	97
78) Pyrene	12.80	202	212584	10.014	ng	97
81) Benzo(a)anthracene	13.99	228	114788	6.368	ng	96
83) Chrysene	14.03	228	99969	5.810	ng	98
86) Indeno(1,2,3-cd)pyrene	16.94	276	47663	3.496	ng	94
88) Benzo(b)fluoranthene	15.04	252	167591	12.089	ng	97
89) Benzo(k)fluoranthene	15.04	252	167591	12.621	ng	98
90) Benzo(a)pyrene	15.41	252	83542	6.697	ng	96
92) Benzo(g,h,i)perylene	17.40	276	42488	4.479	ng	95

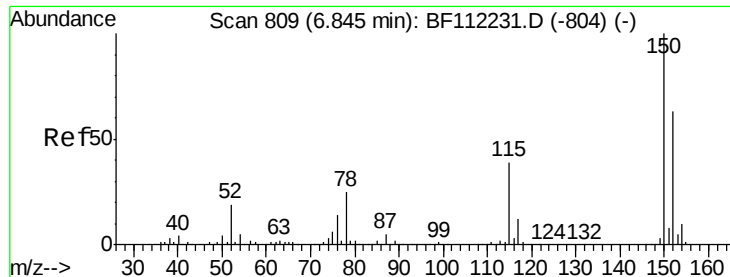
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF020519\
Data File : BF112412.D
Acq On : 5 Feb 2019 22:44
Operator : JU/SJ
Sample : K1350-01 2X
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
EO-03-020419-A

Quant Time: Feb 06 00:46:54 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



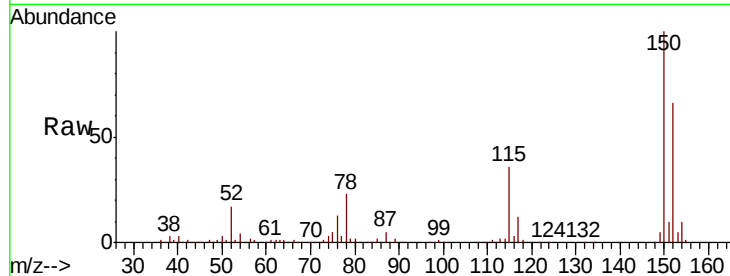


#1

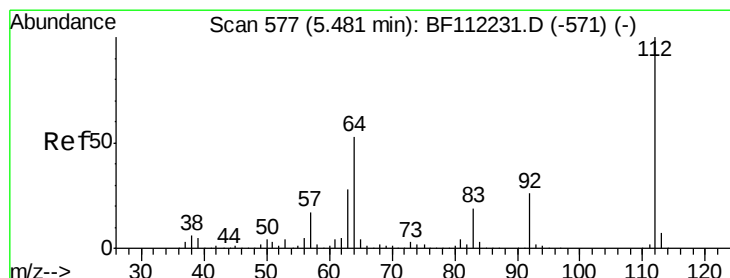
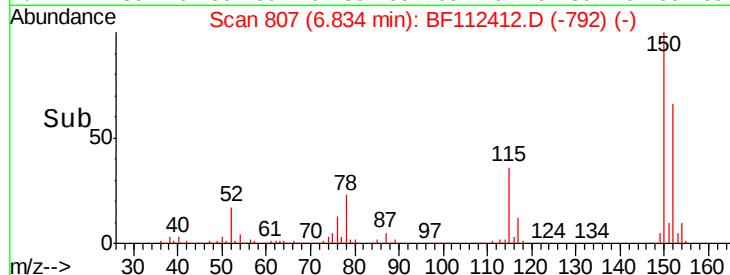
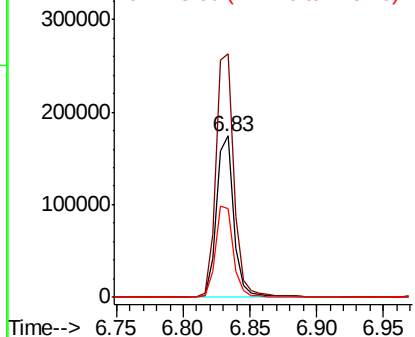
1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.83 min Scan# 807
 Delta R.T. -0.01 min
 Lab File: BF112412.D
 Acq: 5 Feb 2019 22:44

Instrument :
 BNA_F
 ClientSampleId :
 EO-03-020419-A

Tgt Ion:152 Resp: 161836
 Ion Ratio Lower Upper
 152 100
 150 150.8 127.4 191.0
 115 54.7 45.5 68.3



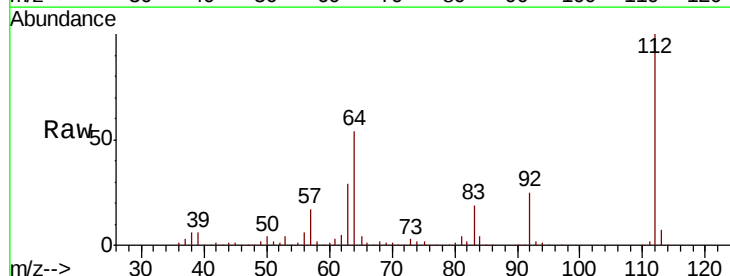
Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E



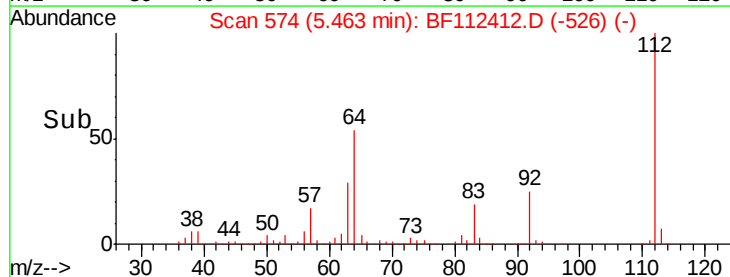
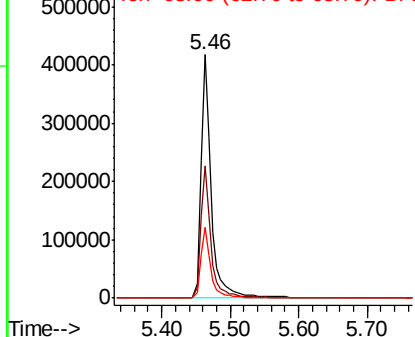
#5

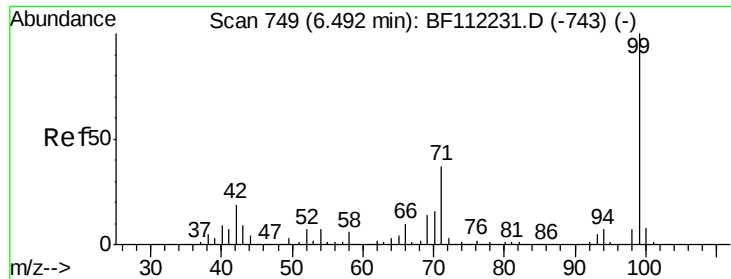
2-Fluorophenol
 Concen: 58.668 ng
 RT: 5.46 min Scan# 574
 Delta R.T. -0.02 min
 Lab File: BF112412.D
 Acq: 5 Feb 2019 22:44

Tgt Ion:112 Resp: 446998
 Ion Ratio Lower Upper
 112 100
 64 54.2 45.7 68.5
 63 29.2 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: 52.558 ng

RT: 6.47 min Scan# 746

Delta R.T. -0.02 min

Lab File: BF112412.D

Acq: 5 Feb 2019 22:44

Instrument :

BNA_F

ClientSampleId :

EO-03-020419-A

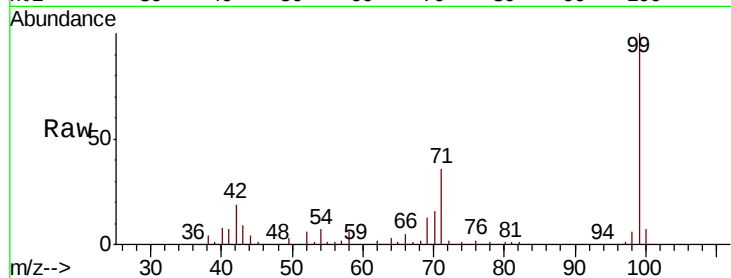
Tgt Ion: 99 Resp: 556443

Ion Ratio Lower Upper

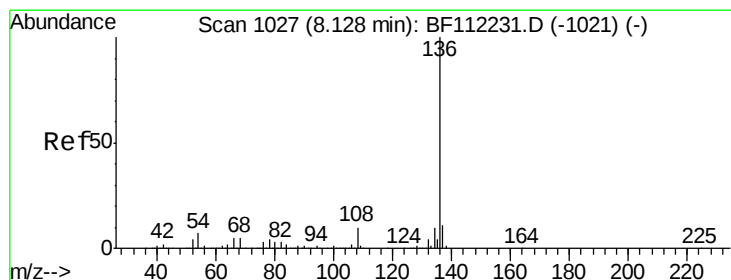
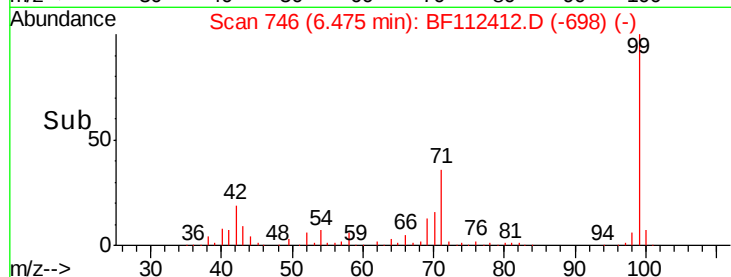
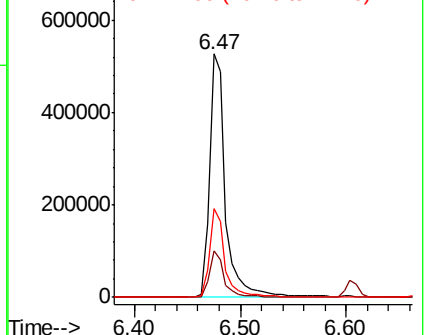
99 100

42 19.1 15.1 22.7

71 36.2 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: BF112412.D

Acq: 5 Feb 2019 22:44

Tgt Ion: 136 Resp: 599688

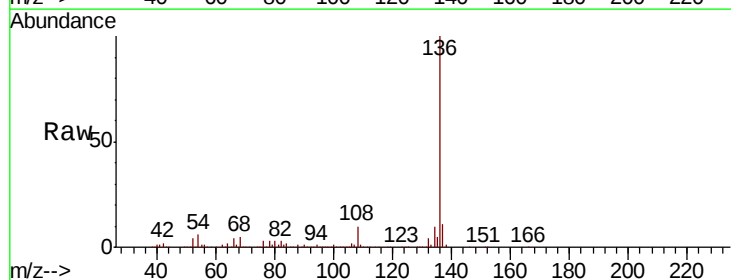
Ion Ratio Lower Upper

136 100

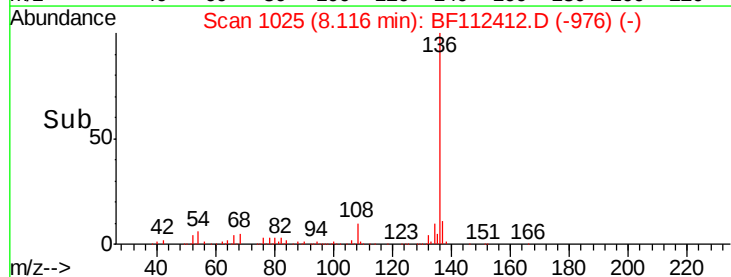
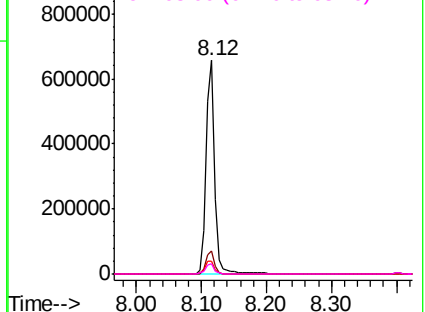
137 11.1 9.1 13.7

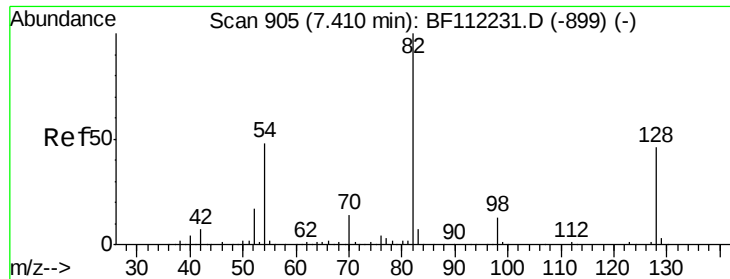
54 6.2 5.9 8.9

68 4.8 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

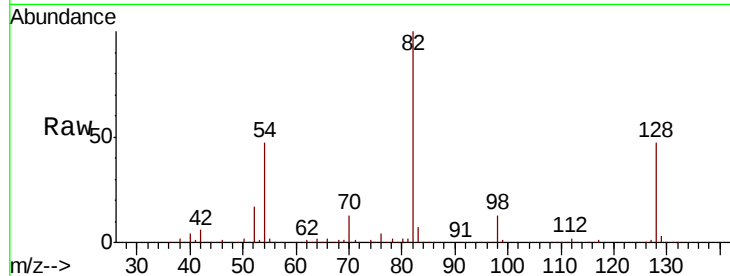




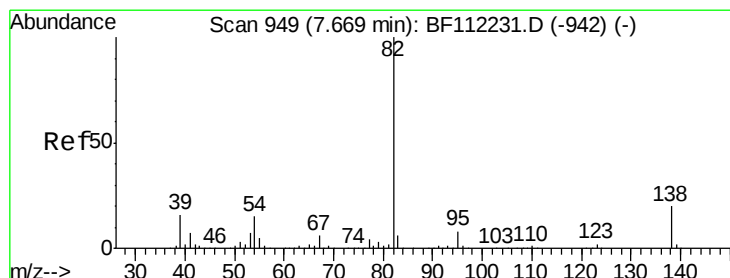
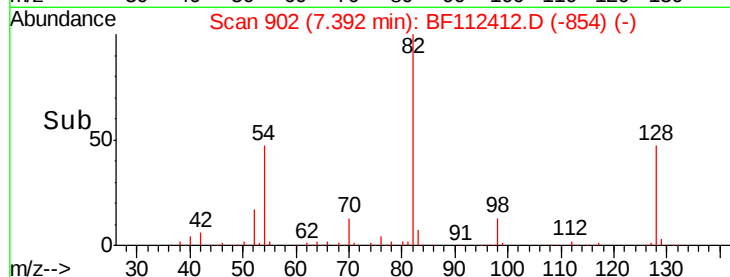
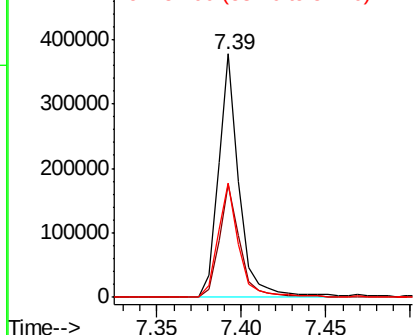
#23
Nitrobenzene-d5
Concen: 30.908 ng
RT: 7.39 min Scan# 902
Delta R.T. -0.02 min
Lab File: BF112412.D
Acq: 5 Feb 2019 22:44

Instrument :
BNA_F
ClientSampleId :
EO-03-020419-A

Tgt Ion: 82 Resp: 321685
Ion Ratio Lower Upper
82 100
128 46.6 37.8 56.8
54 47.0 39.7 59.5

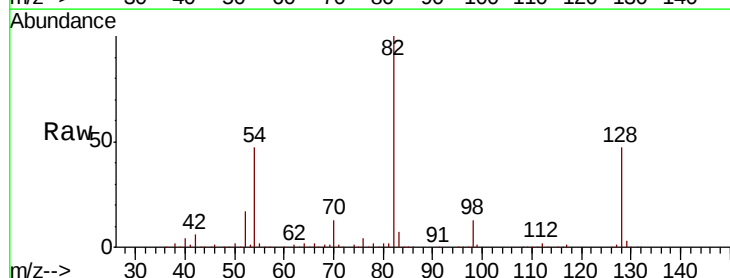


Abundance Ion 82.00 (81.70 to 82.70): BF1
Ion 128.00 (127.70 to 128.70): BF1
Ion 54.00 (53.70 to 54.70): BF1

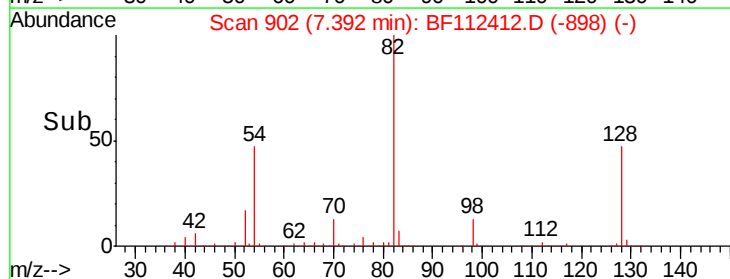
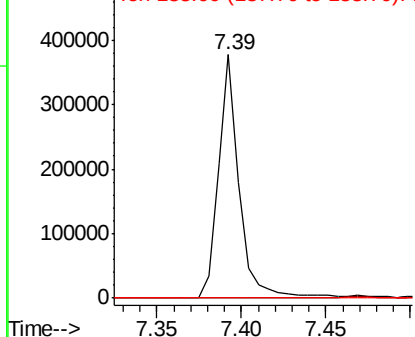


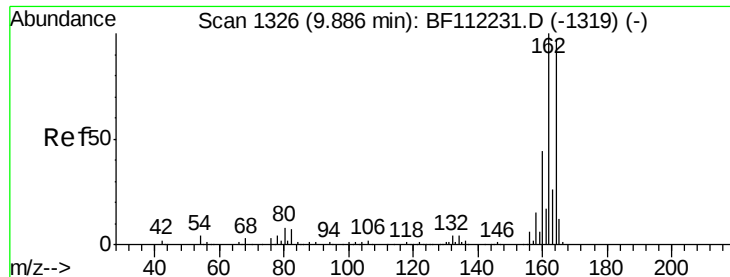
#25
Isophorone
Concen: 19.702 ng
RT: 7.39 min Scan# 902
Delta R.T. -0.28 min
Lab File: BF112412.D
Acq: 5 Feb 2019 22:44

Tgt Ion: 82 Resp: 321685
Ion Ratio Lower Upper
82 100
95 0.2 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

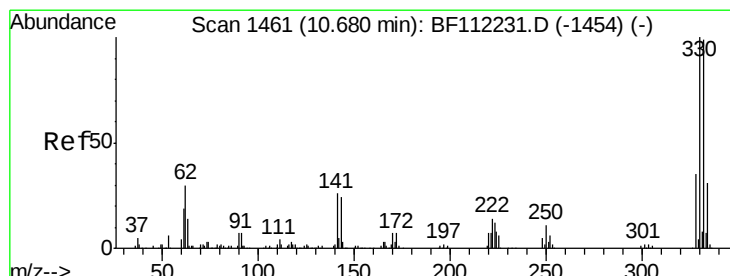
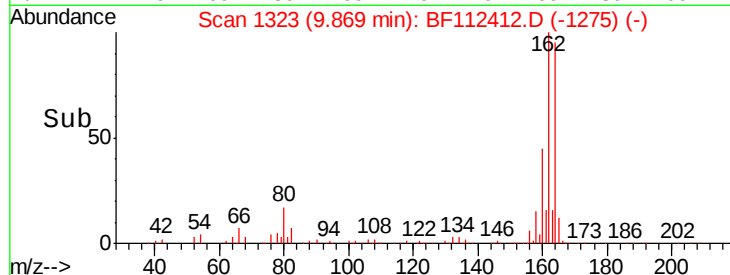
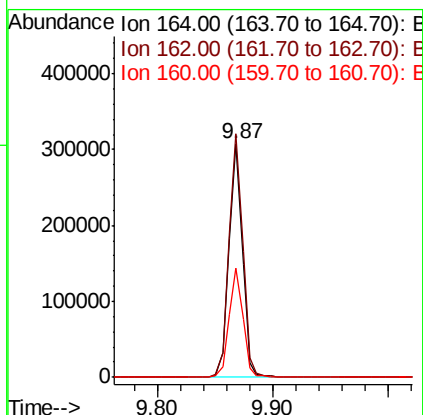
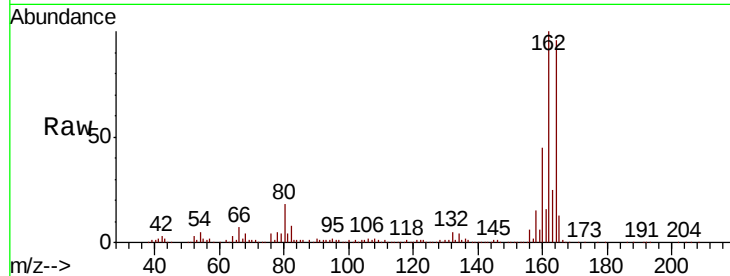




#39
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.87 min Scan# 1323
 Delta R.T. -0.02 min
 Lab File: BF112412.D
 Acq: 5 Feb 2019 22:44

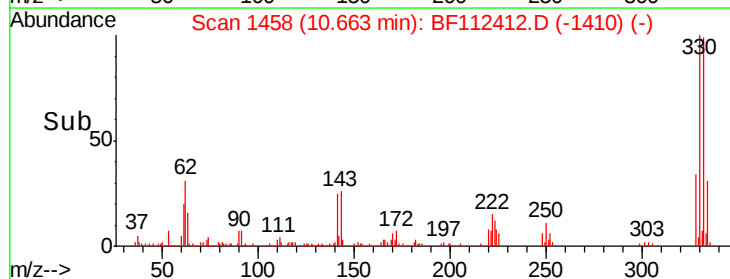
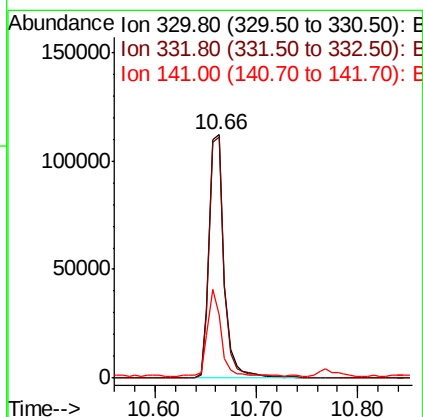
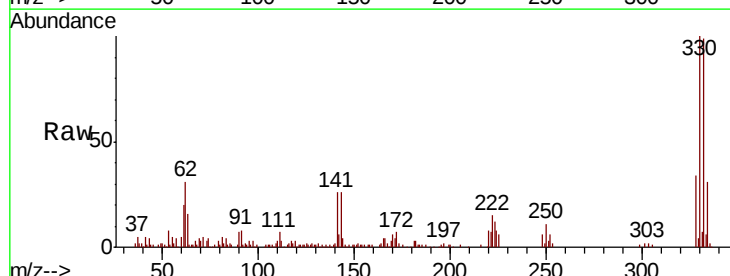
Instrument :
 BNA_F
 ClientSampleId :
 EO-03-020419-A

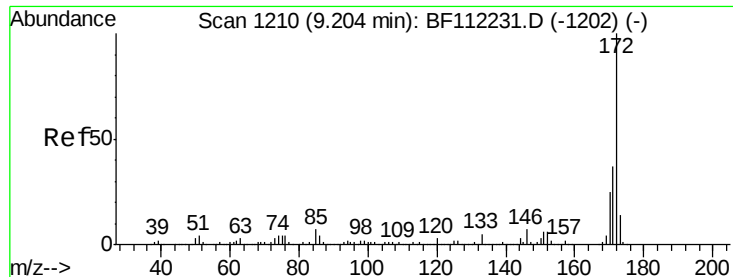
Tgt Ion:164 Resp: 250540
 Ion Ratio Lower Upper
 164 100
 162 104.0 82.2 123.4
 160 46.5 36.2 54.4



#42
 2,4,6-Tribromophenol
 Concen: 40.223 ng
 RT: 10.66 min Scan# 1458
 Delta R.T. -0.02 min
 Lab File: BF112412.D
 Acq: 5 Feb 2019 22:44

Tgt Ion:330 Resp: 117300
 Ion Ratio Lower Upper
 330 100
 332 97.7 76.6 114.8
 141 33.4 24.3 36.5

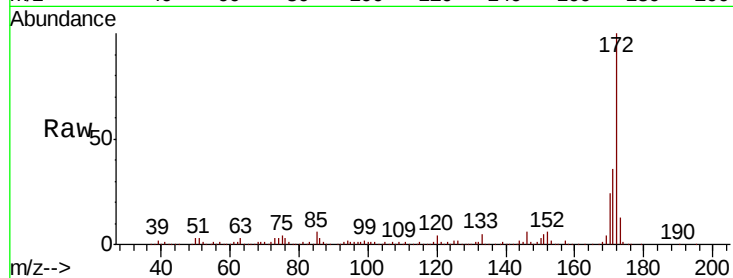




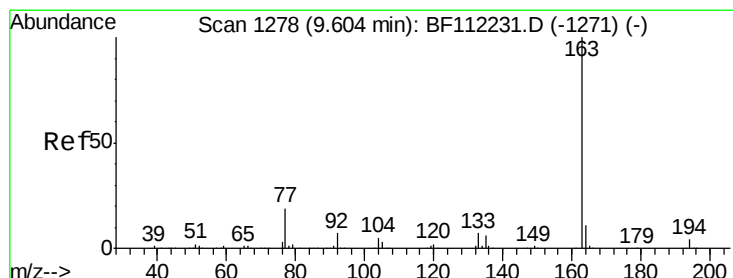
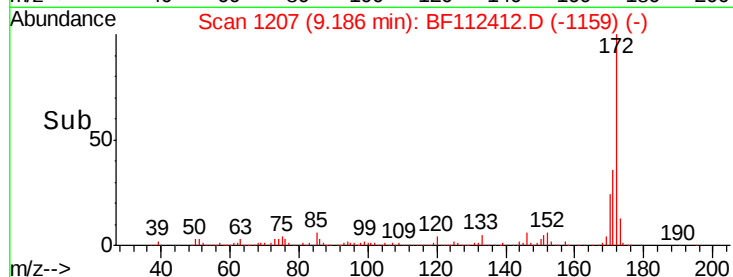
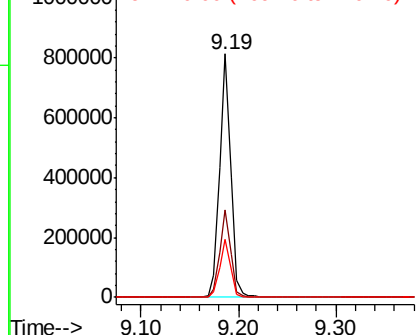
#45
 2-Fluorobiphenyl
 Concen: 36.575 ng
 RT: 9.19 min Scan# 1207
 Delta R.T. -0.02 min
 Lab File: BF112412.D
 Acq: 5 Feb 2019 22:44

Instrument :
 BNA_F
 ClientSampleId :
 EO-03-020419-A

Tgt Ion:172 Resp: 647900
 Ion Ratio Lower Upper
 172 100
 171 36.1 30.5 45.7
 170 23.7 20.2 30.4

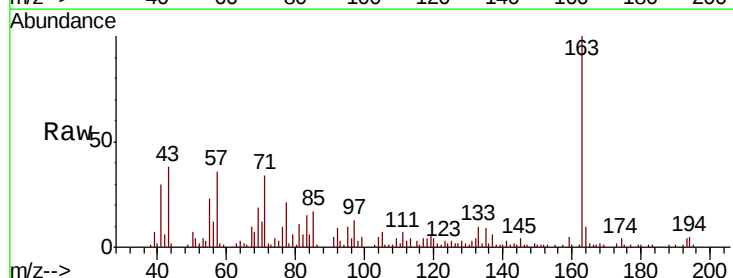


Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E

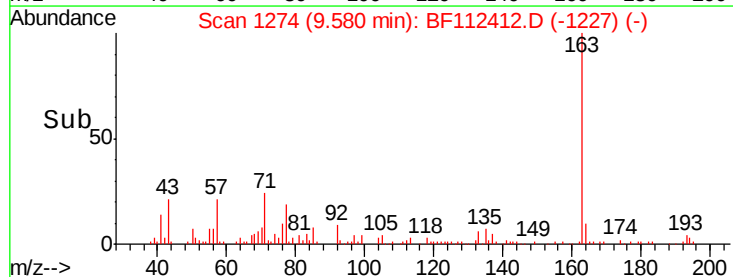
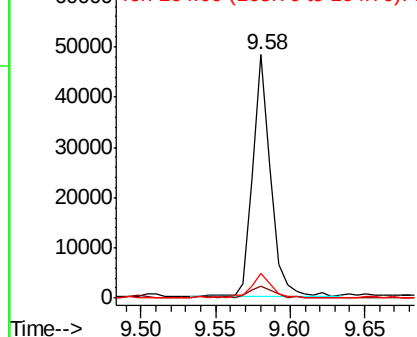


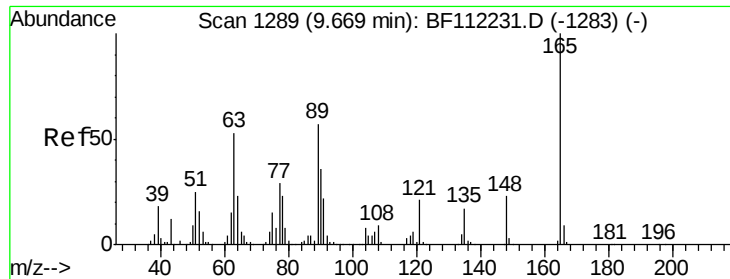
#50
 Dimethylphthalate
 Concen: 2.030 ng
 RT: 9.58 min Scan# 1274
 Delta R.T. -0.02 min
 Lab File: BF112412.D
 Acq: 5 Feb 2019 22:44

Tgt Ion:163 Resp: 39524
 Ion Ratio Lower Upper
 163 100
 194 5.1 3.3 4.9#
 164 9.9 8.5 12.7



Abundance Ion 163.00 (162.70 to 163.70): E
 Ion 194.00 (193.70 to 194.70): E
 Ion 164.00 (163.70 to 164.70): E

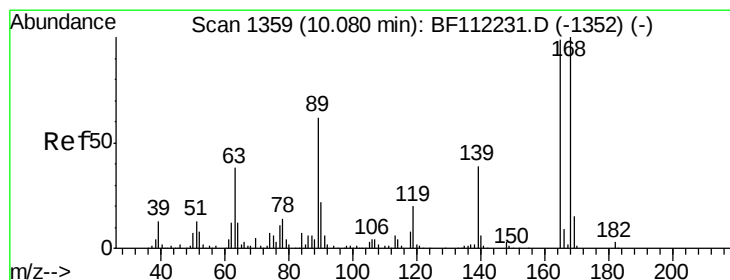
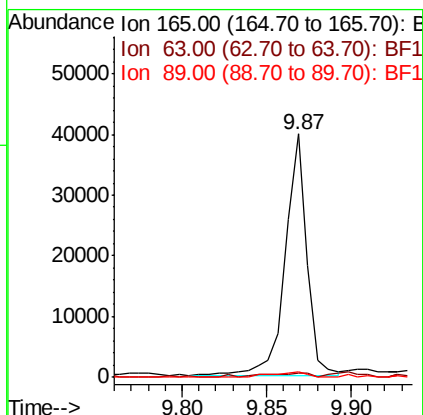
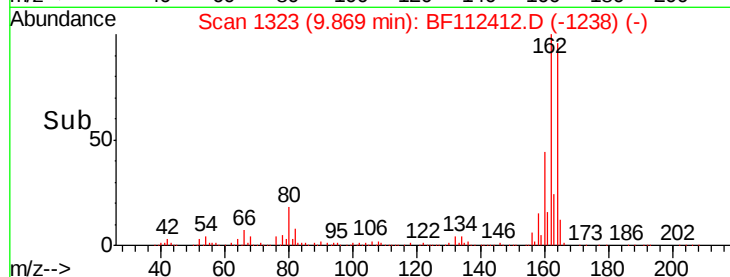
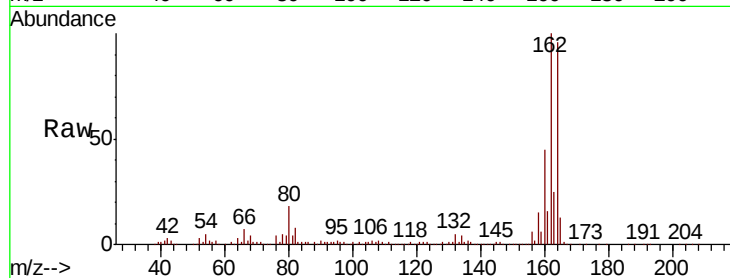




#51
 2,6-Dinitrotoluene
 Concen: 8.139 ng
 RT: 9.87 min Scan# 1323
 Delta R.T. 0.20 min
 Lab File: BF112412.D
 Acq: 5 Feb 2019 22:44

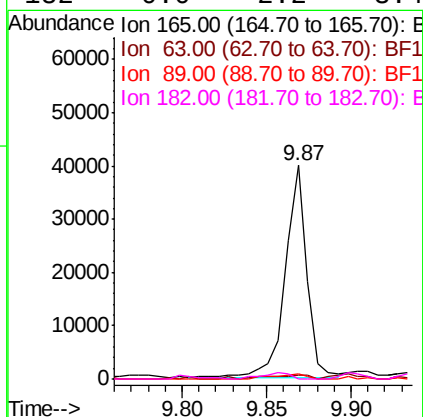
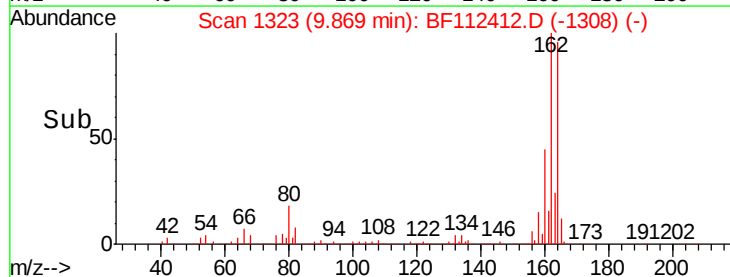
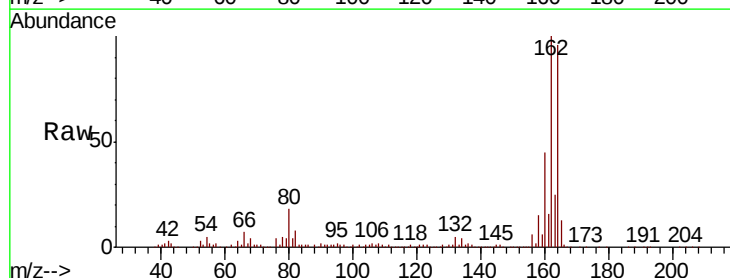
Instrument :
 BNA_F
 ClientSampleId :
 EO-03-020419-A

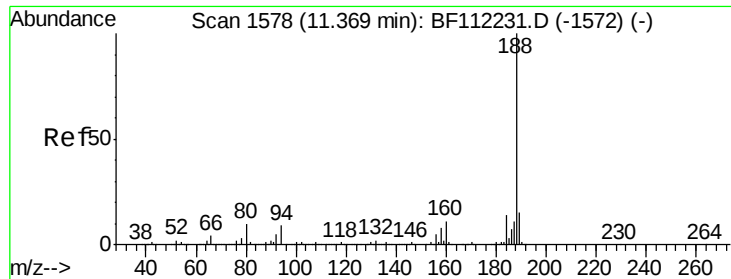
Tgt Ion	Ratio	Lower	Upper
165	100		
63	1.8	33.8	50.8#
89	2.2	36.9	55.3#



#57
 2,4-Dinitrotoluene
 Concen: 6.393 ng
 RT: 9.87 min Scan# 1323
 Delta R.T. -0.21 min
 Lab File: BF112412.D
 Acq: 5 Feb 2019 22:44

Tgt Ion	Ratio	Lower	Upper
165	100		
63	1.8	27.9	41.9#
89	2.2	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: BF112412.D

Acq: 5 Feb 2019 22:44

Instrument :

BNA_F

ClientSampleId :

EO-03-020419-A

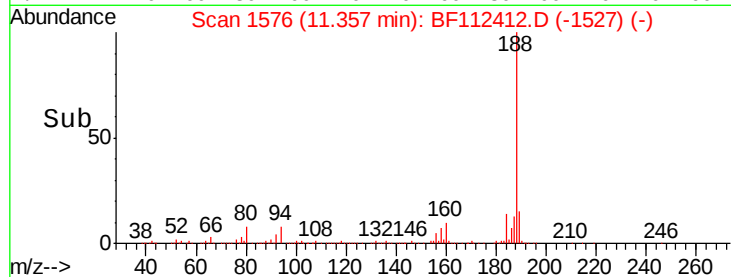
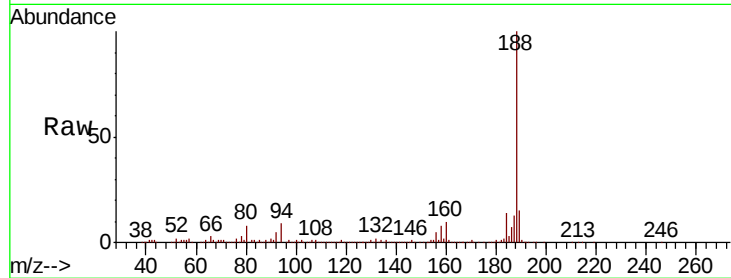
Tgt Ion:188 Resp: 389299

Ion Ratio Lower Upper

188 100

94 8.5 8.2 12.2

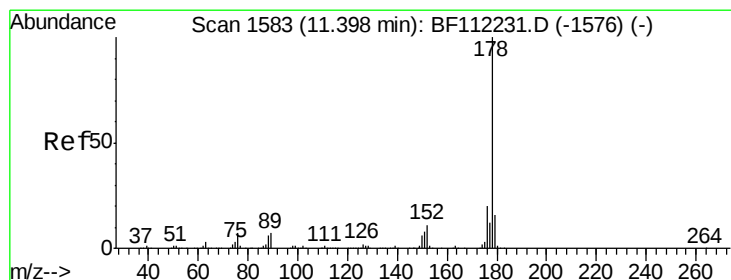
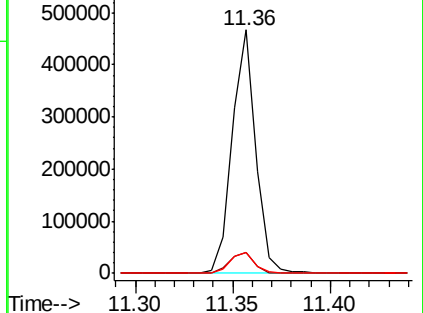
80 8.5 8.9 13.3#



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: 6.079 ng

RT: 11.38 min Scan# 1580

Delta R.T. -0.02 min

Lab File: BF112412.D

Acq: 5 Feb 2019 22:44

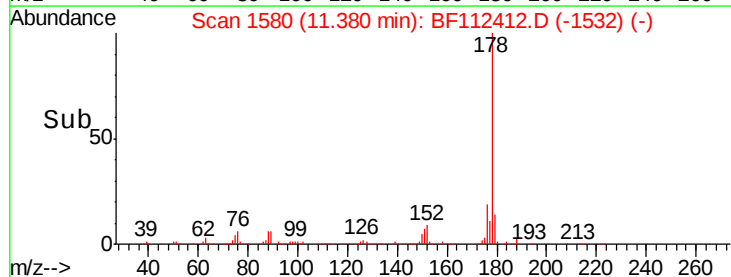
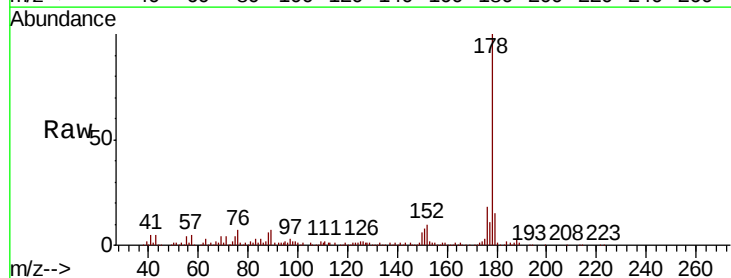
Tgt Ion:178 Resp: 123027

Ion Ratio Lower Upper

178 100

176 18.5 16.3 24.5

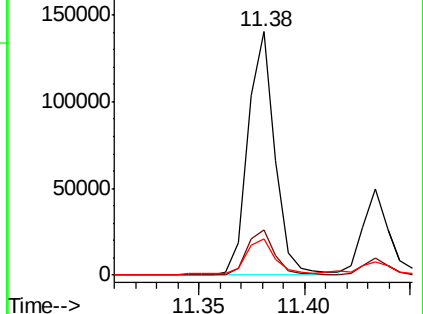
179 14.7 13.0 19.4

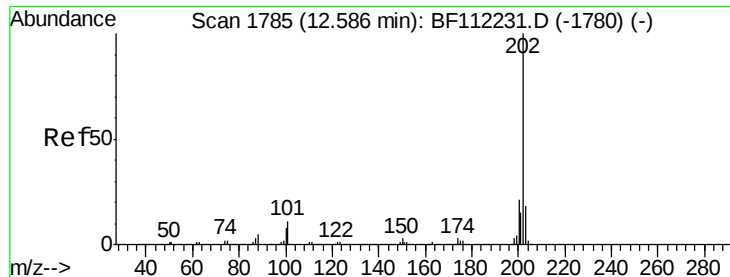


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#75

Fluoranthene

Concen: 10.878 ng

RT: 12.57 min Scan# 1783

Delta R.T. -0.01 min

Lab File: BF112412.D

Acq: 5 Feb 2019 22:44

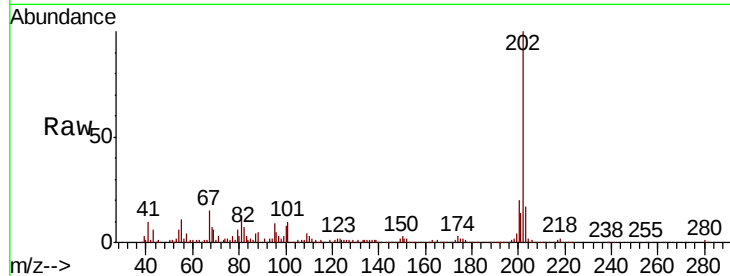
Instrument :

BNA_F

ClientSampleId :

EO-03-020419-A

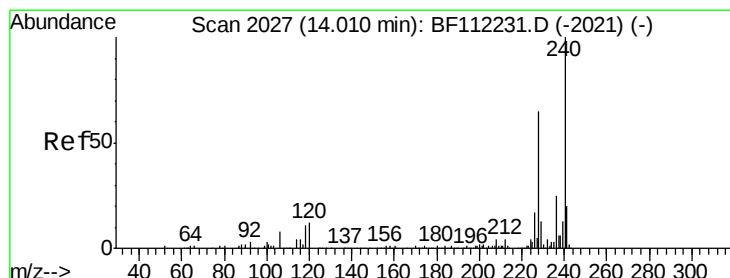
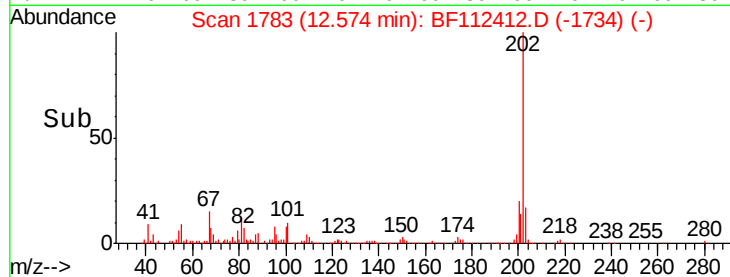
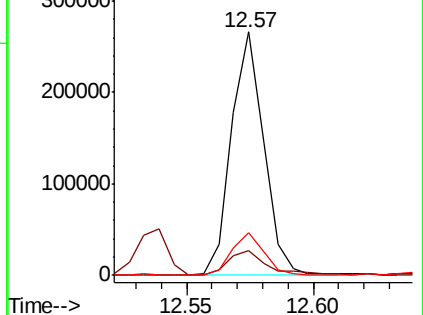
Tgt Ion:	202	Resp:	236126
Ion	Ratio	Lower	Upper
202	100		
101	10.1	0.0	31.8
203	17.4	0.0	38.4



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

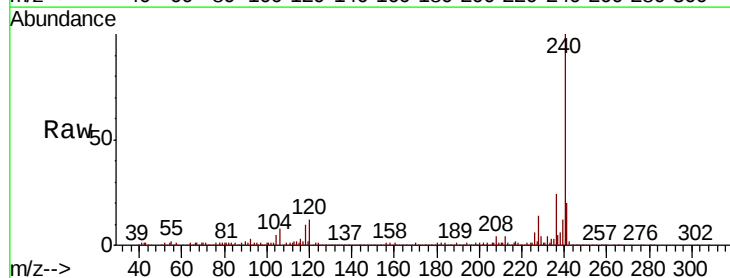
RT: 14.00 min Scan# 2025

Delta R.T. -0.01 min

Lab File: BF112412.D

Acq: 5 Feb 2019 22:44

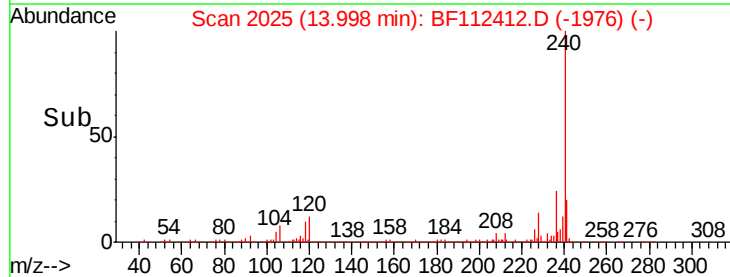
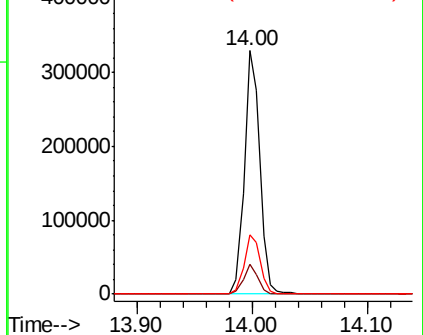
Tgt Ion:	240	Resp:	306629
Ion	Ratio	Lower	Upper
240	100		
120	12.2	9.0	13.6
236	24.2	20.7	31.1

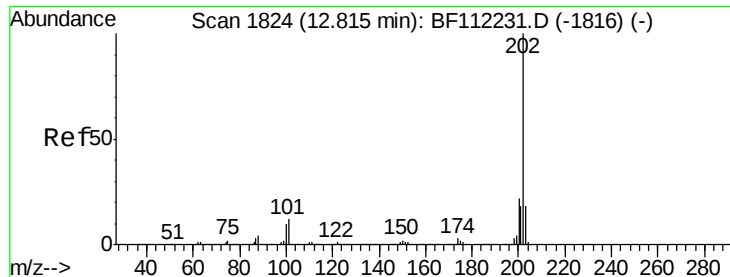


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#78

Pyrene

Concen: 10.014 ng

RT: 12.80 min Scan# 1822

Delta R.T. -0.01 min

Lab File: BF112412.D

Acq: 5 Feb 2019 22:44

Instrument :

BNA_F

ClientSampleId :

EO-03-020419-A

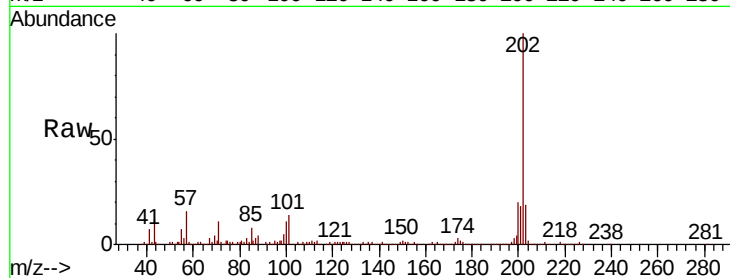
Tgt Ion:202 Resp: 212584

Ion Ratio Lower Upper

202 100

200 20.1 17.7 26.5

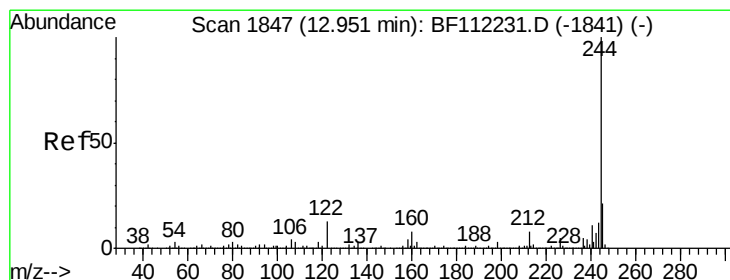
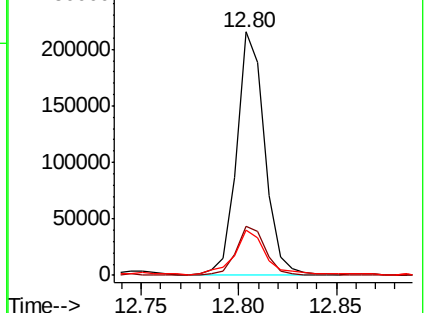
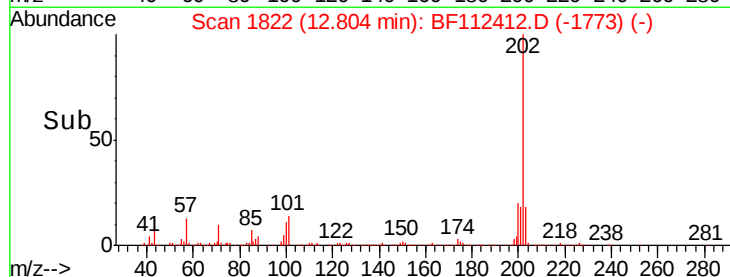
203 18.6 14.6 22.0



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: 29.220 ng

RT: 12.94 min Scan# 1845

Delta R.T. -0.01 min

Lab File: BF112412.D

Acq: 5 Feb 2019 22:44

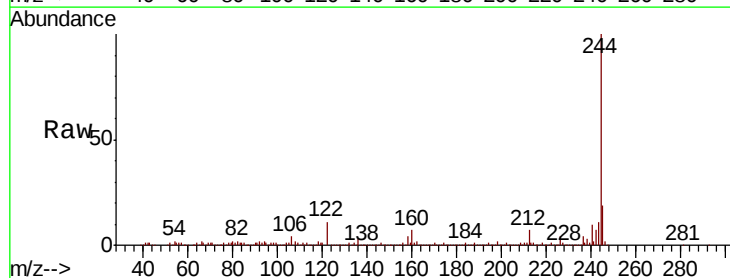
Tgt Ion:244 Resp: 475706

Ion Ratio Lower Upper

244 100

212 6.6 5.9 8.9

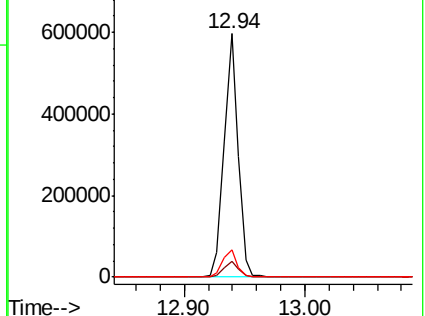
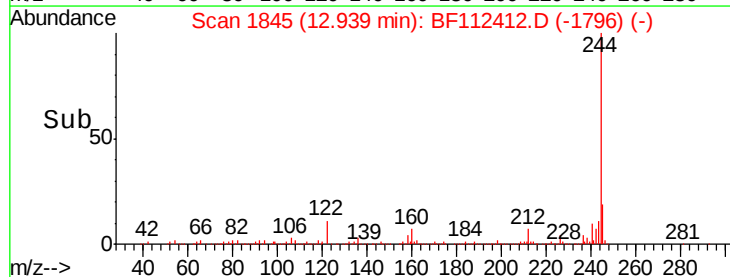
122 11.0 9.8 14.6

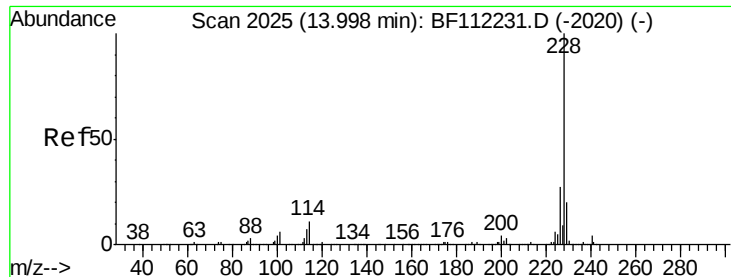


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

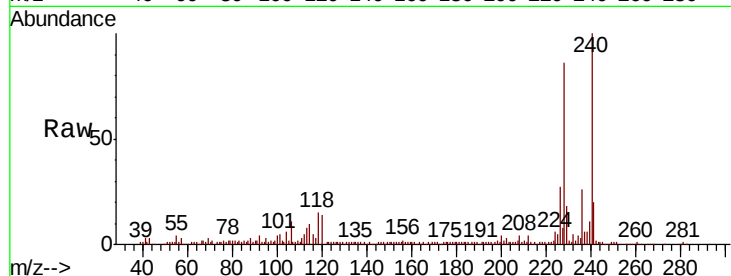




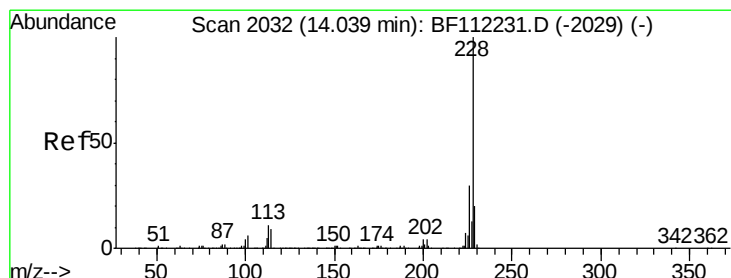
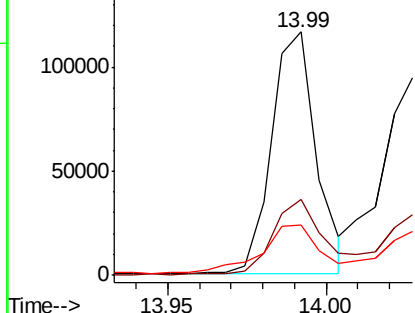
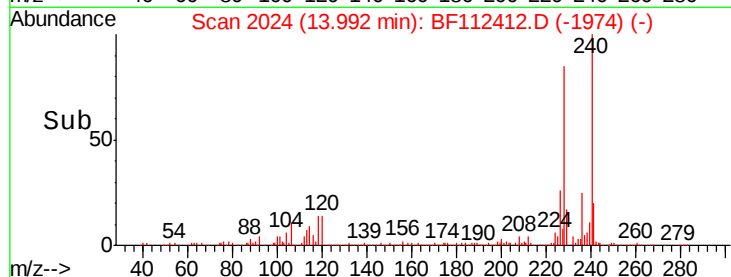
#81
Benzo(a)anthracene
Concen: 6.368 ng
RT: 13.99 min Scan# 2024
Delta R.T. -0.01 min
Lab File: BF112412.D
Acq: 5 Feb 2019 22:44

Instrument :
BNA_F
ClientSampleId :
EO-03-020419-A

Tgt Ion:228 Resp: 114788
Ion Ratio Lower Upper
228 100
226 31.4 22.6 34.0
229 20.8 16.5 24.7

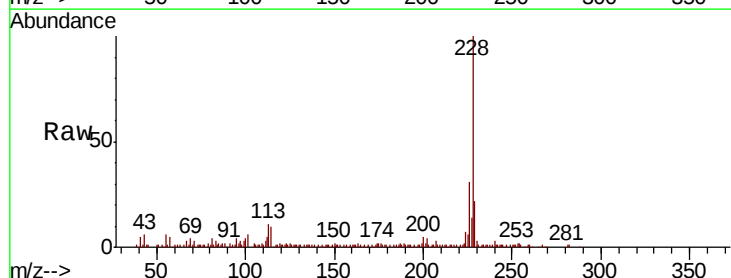


Abundance Ion 228.00 (227.70 to 228.70): E
Ion 226.00 (225.70 to 226.70): E
Ion 229.00 (228.70 to 229.70): E

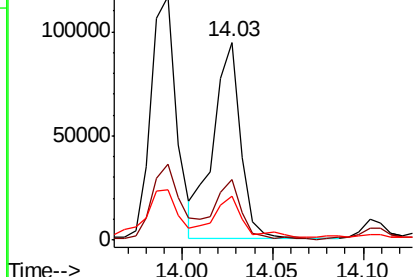
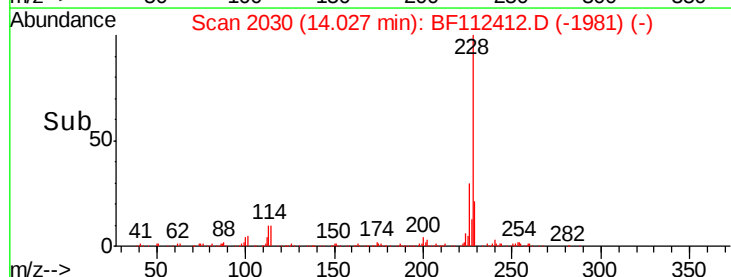


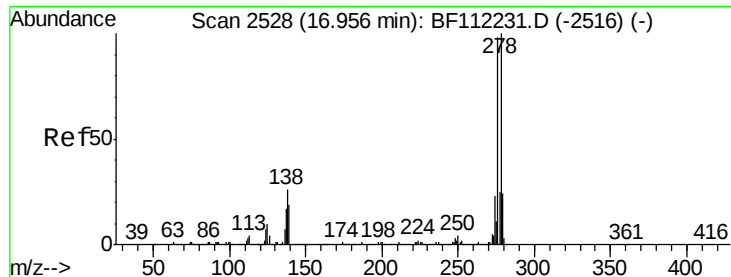
#83
Chrysene
Concen: 5.810 ng
RT: 14.03 min Scan# 2030
Delta R.T. -0.01 min
Lab File: BF112412.D
Acq: 5 Feb 2019 22:44

Tgt Ion:228 Resp: 99969
Ion Ratio Lower Upper
228 100
226 30.9 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

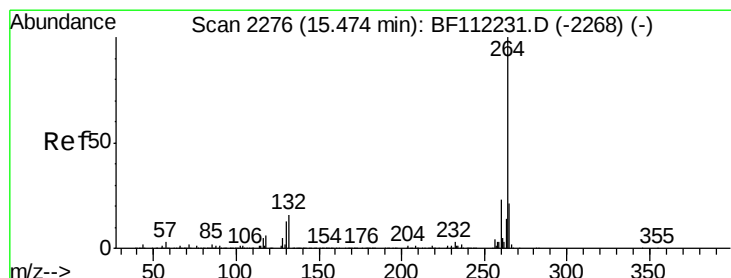
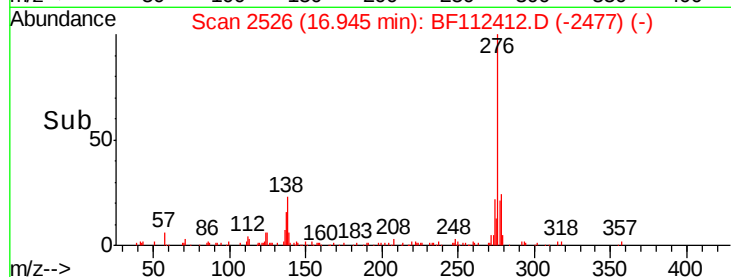
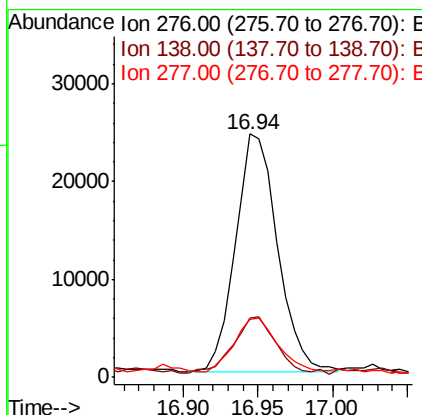
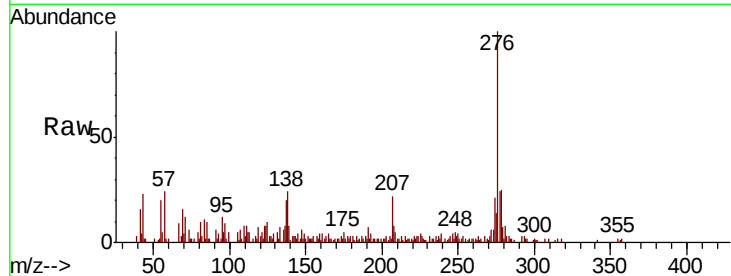




#86
 Indeno(1,2,3-cd)pyrene
 Concen: 3.496 ng
 RT: 16.94 min Scan# 2526
 Delta R.T. -0.01 min
 Lab File: BF112412.D
 Acq: 5 Feb 2019 22:44

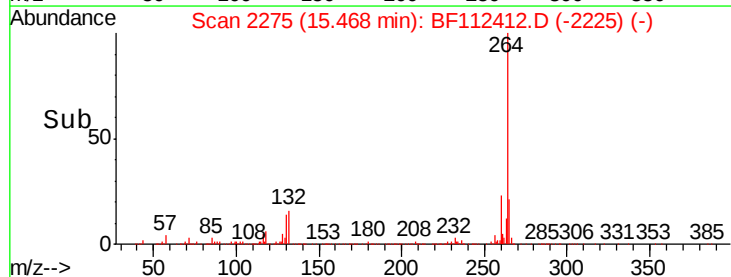
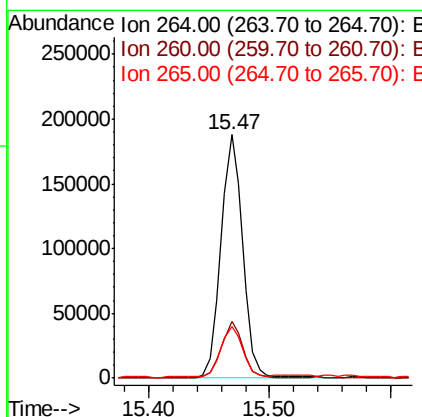
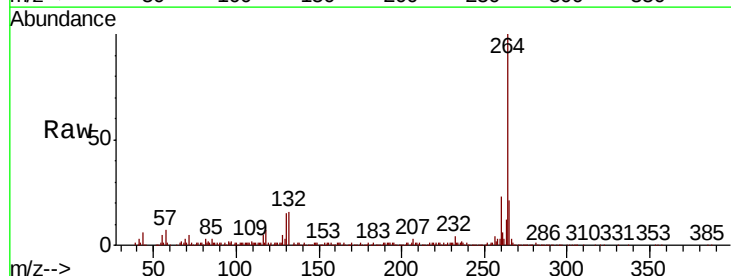
Instrument :
 BNA_F
 ClientSampleId :
 EO-03-020419-A

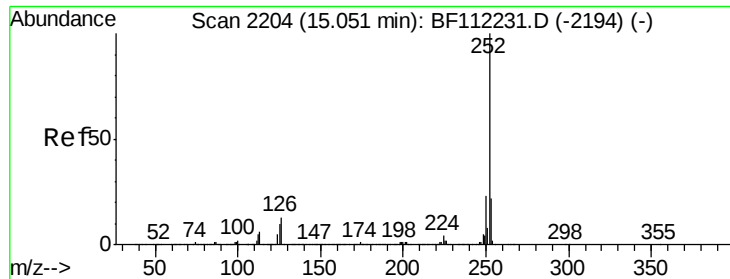
Tgt Ion:276 Resp: 47663
 Ion Ratio Lower Upper
 276 100
 138 23.6 22.6 34.0
 277 24.1 20.3 30.5



#87
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.47 min Scan# 2275
 Delta R.T. -0.01 min
 Lab File: BF112412.D
 Acq: 5 Feb 2019 22:44

Tgt Ion:264 Resp: 231813
 Ion Ratio Lower Upper
 264 100
 260 23.3 18.2 27.2
 265 21.4 17.0 25.4

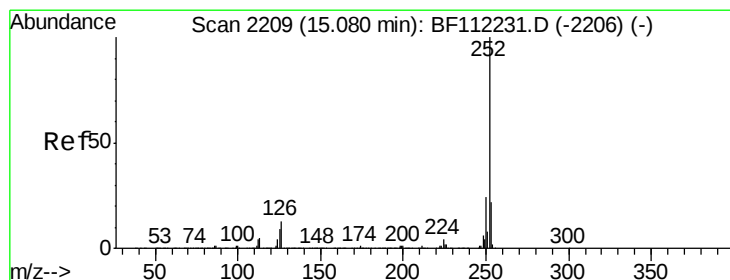
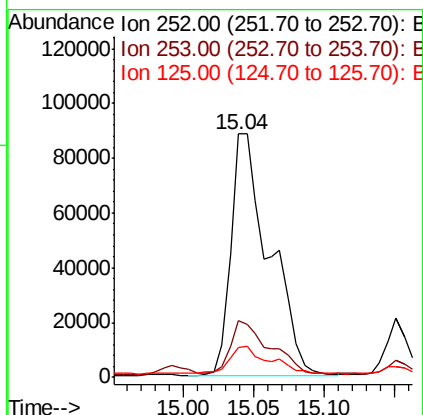
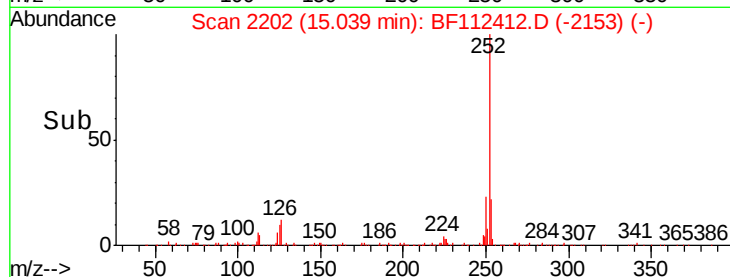
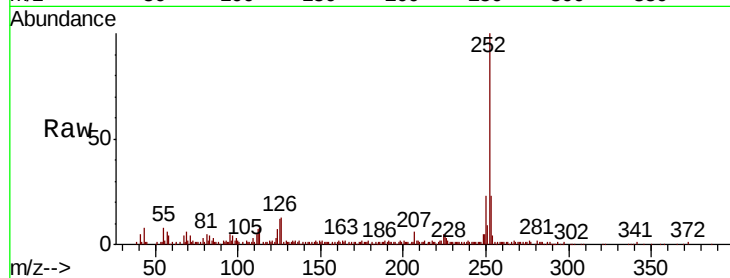




#88
Benzo(b)fluoranthene
Concen: 12.089 ng
RT: 15.04 min Scan# 2202
Delta R.T. -0.01 min
Lab File: BF112412.D
Acq: 5 Feb 2019 22:44

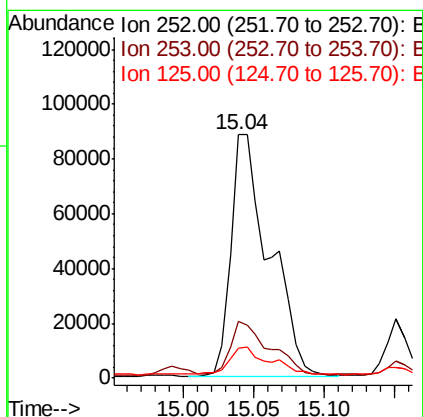
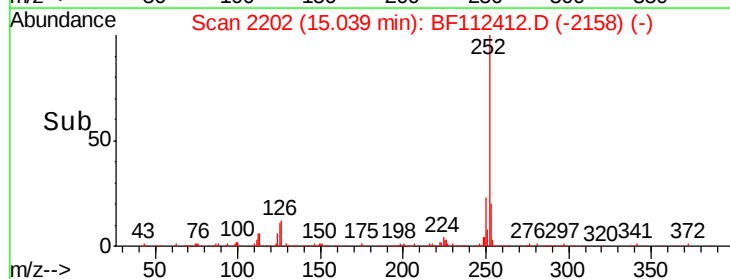
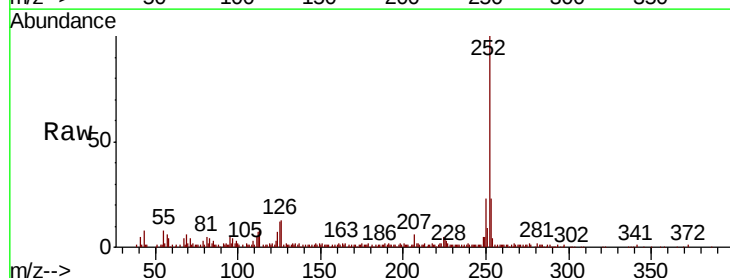
Instrument :
BNA_F
ClientSampleId :
EO-03-020419-A

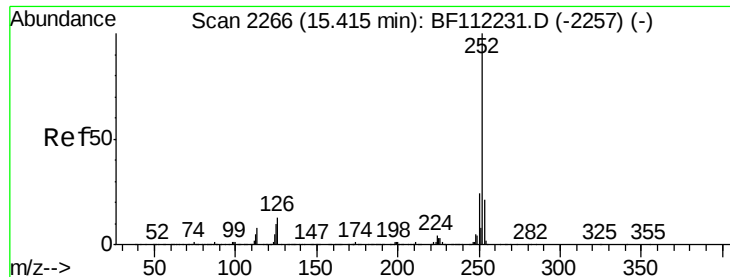
Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.4	18.0	27.0
125	12.4	8.7	13.1



#89
Benzo(k)fluoranthene
Concen: 12.621 ng
RT: 15.04 min Scan# 2202
Delta R.T. -0.04 min
Lab File: BF112412.D
Acq: 5 Feb 2019 22:44

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.4	18.0	27.0
125	12.4	9.1	13.7





#90

Benzo(a)pyrene

Concen: 6.697 ng

RT: 15.41 min Scan# 2265

Delta R.T. -0.01 min

Lab File: BF112412.D

Acq: 5 Feb 2019 22:44

Instrument :

BNA_F

ClientSampleId :

EO-03-020419-A

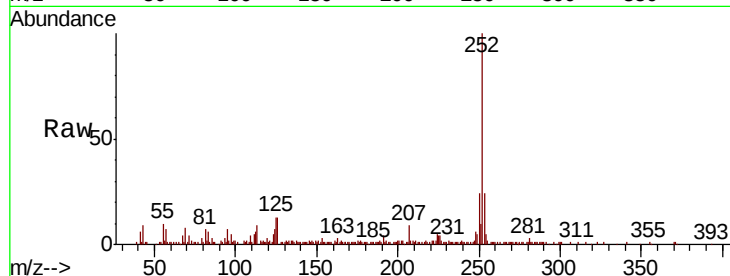
Tgt Ion:252 Resp: 83542

Ion Ratio Lower Upper

252 100

253 24.0 17.5 26.3

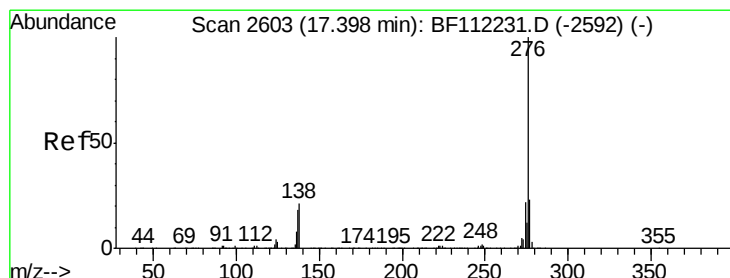
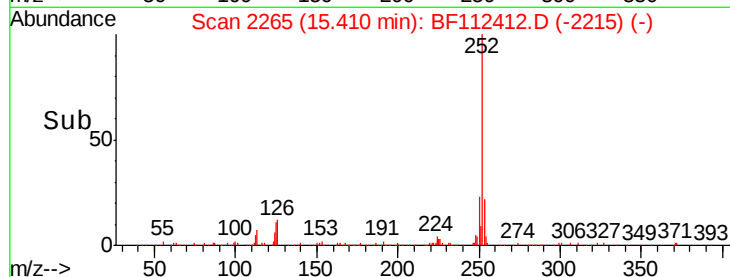
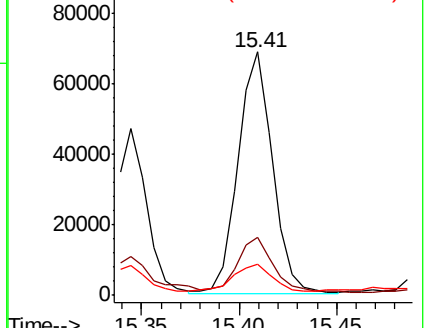
125 12.8 9.0 13.4



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



#92

Benzo(g,h,i)perylene

Concen: 4.479 ng

RT: 17.40 min Scan# 2603

Delta R.T. 0.00 min

Lab File: BF112412.D

Acq: 5 Feb 2019 22:44

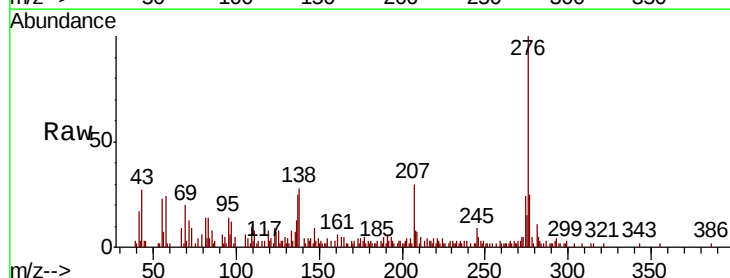
Tgt Ion:276 Resp: 42488

Ion Ratio Lower Upper

276 100

277 25.1 19.4 29.0

138 28.1 19.1 28.7



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

