

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF061820\
 Data File : BF120656.D
 Acq On : 18 Jun 2020 21:54
 Operator : JU/CG
 Sample : L2813-07 2X
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 EO-01-061720

Quant Time: Jun 19 01:13:28 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF061020.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Jun 11 11:28:22 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.80	152	139597	20.00	ng	0.00
21) Naphthalene-d8	8.09	136	524573	20.00	ng	0.00
39) Acenaphthene-d10	9.84	164	266786	20.00	ng	0.00
64) Phenanthrene-d10	11.32	188	506739	20.00	ng	0.00
76) Chrysene-d12	13.96	240	409492	20.00	ng	0.00
86) Perylene-d12	15.41	264	358020	20.00	ng	0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.42	112	225464	27.69	ng	0.00
7) Phenol-d6	6.44	99	277896	27.40	ng	0.00
23) Nitrobenzene-d5	7.36	82	159036	16.95	ng	0.00
42) 2,4,6-Tribromophenol	10.63	330	82725	26.67	ng	0.00
45) 2-Fluorobiphenyl	9.16	172	378783	21.72	ng	0.00
79) Terphenyl-d14	12.90	244	458804	24.75	ng	0.00

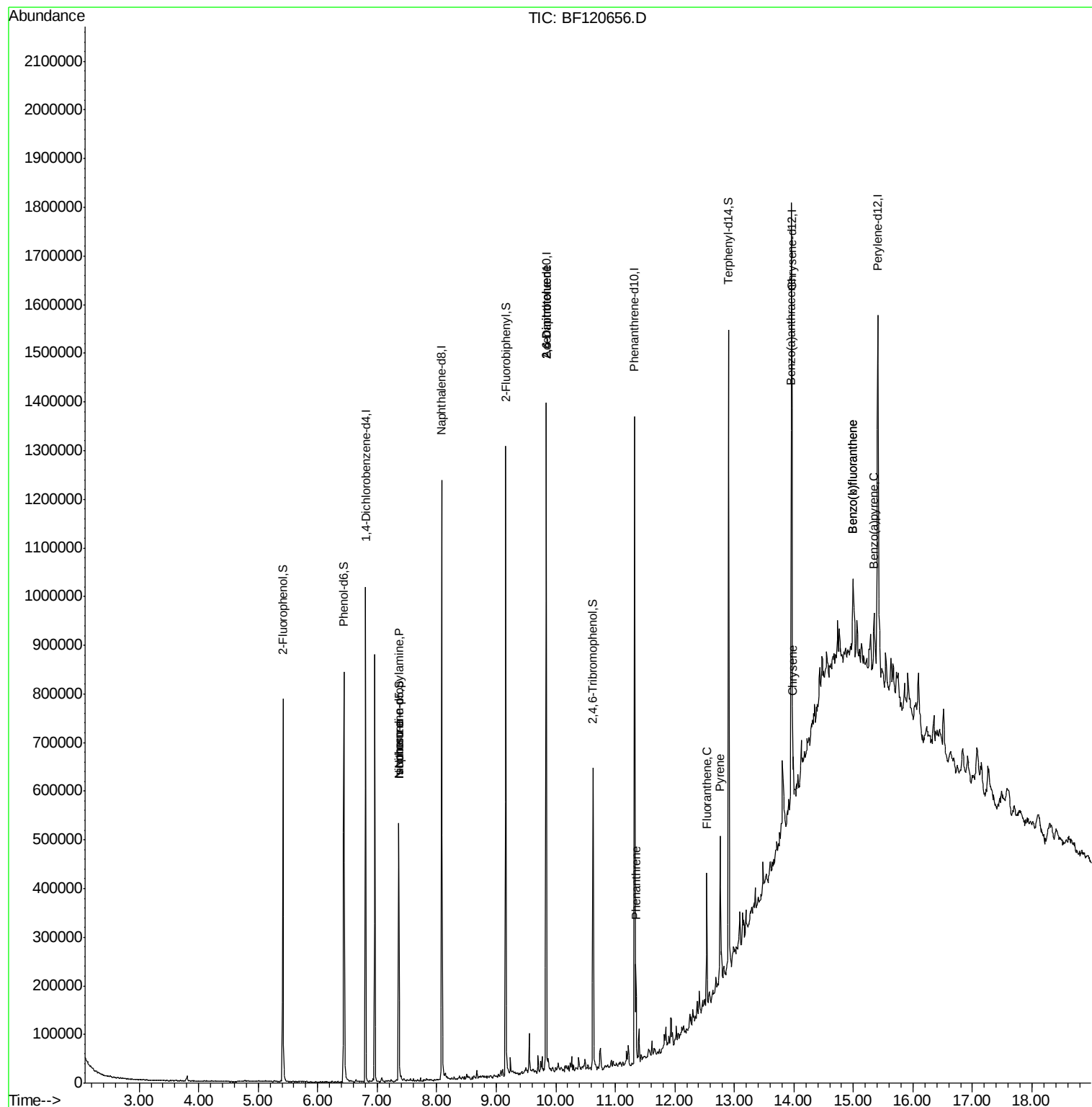
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
19) n-Nitroso-di-n-propylamine	7.36	70	21624	3.676	ng	# 76
25) Isophorone	7.36	82	159035	8.699	ng	# 62
51) 2,6-Dinitrotoluene	9.84	165	34893	8.013	ng	# 27
57) 2,4-Dinitrotoluene	9.84	165	34893	6.039	ng	# 29
71) Phenanthrene	11.35	178	64111	2.545	ng	97
75) Fluoranthene	12.53	202	111547	3.873	ng	100
78) Pyrene	12.76	202	113709	3.920	ng	97
81) Benzo(a)anthracene	13.95	228	55632	2.261	ng	# 94
83) Chrysene	13.99	228	55199	2.187	ng	# 93
88) Benzo(b)fluoranthene	14.99	252	95167	4.462	ng	# 84
89) Benzo(k)fluoranthene	14.99	252	95167	5.043	ng	# 84
90) Benzo(a)pyrene	15.34	252	48505	2.541	ng	# 83

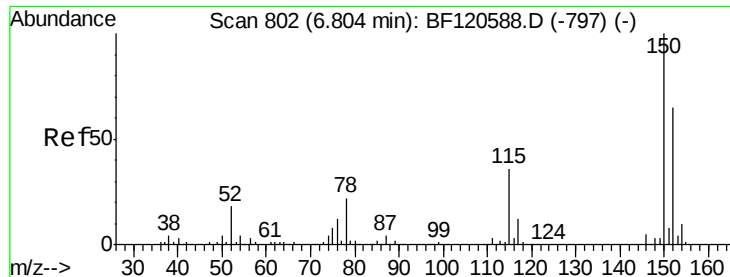
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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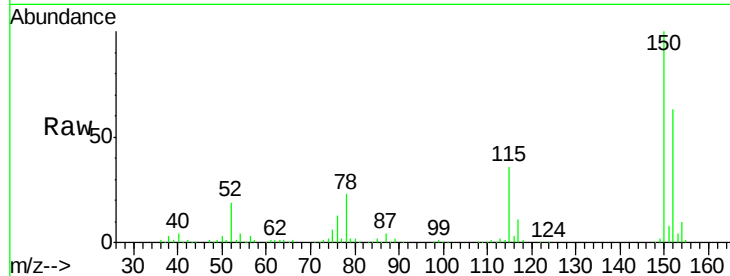


#1

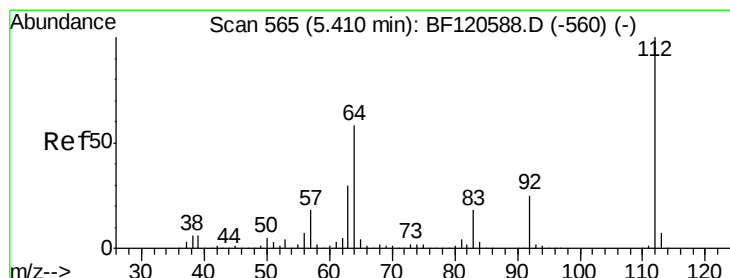
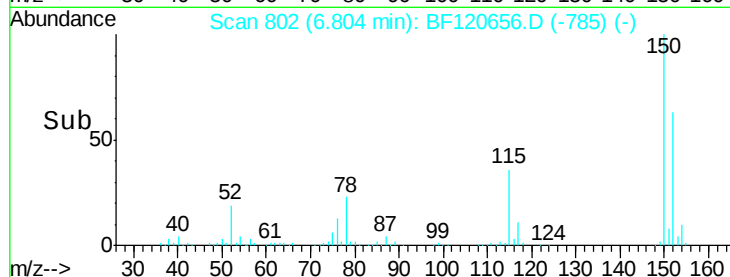
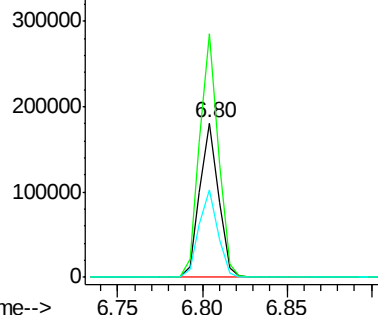
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.80 min Scan# 802
Delta R.T. 0.00 min
Lab File: BF120656.D
Acq: 18 Jun 2020 21:54

Instrument :
BNA_F
ClientSampleId :
EO-01-061720

Tot Ion:152 Resp: 139597
Ion Ratio Lower Upper
152 100
150 157.8 123.2 184.8
115 56.4 43.9 65.9



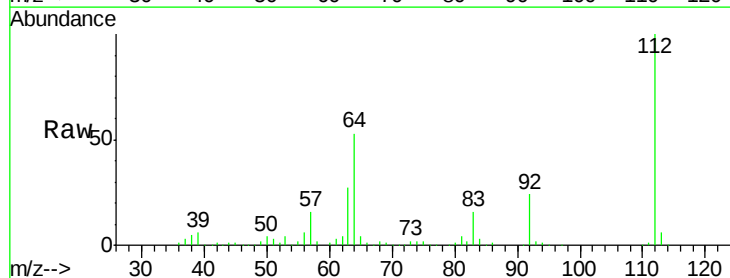
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



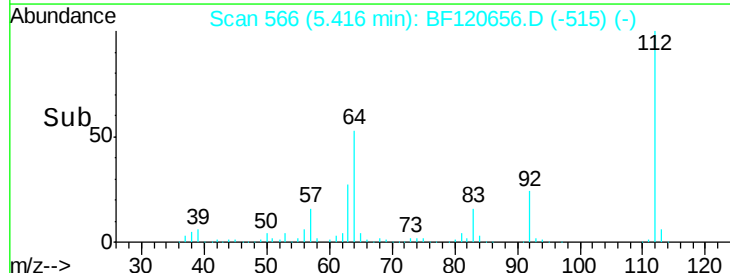
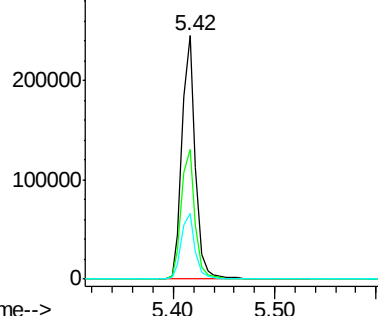
#5

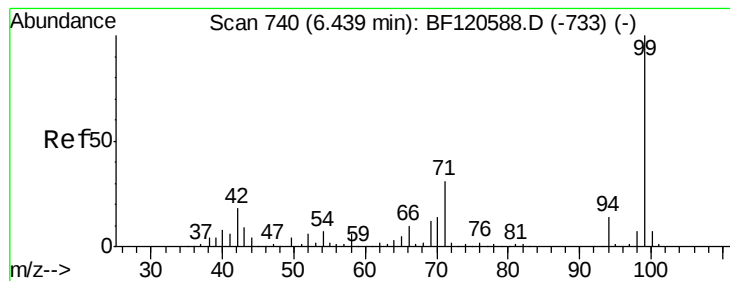
2-Fluorophenol
Concen: 27.690 ng
RT: 5.42 min Scan# 566
Delta R.T. 0.00 min
Lab File: BF120656.D
Acq: 18 Jun 2020 21:54

Tgt Ion:112 Resp: 225464
Ion Ratio Lower Upper
112 100
64 53.4 46.1 69.1
63 27.1 23.7 35.5



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: 27.402 ng

RT: 6.44 min Scan# 740

Delta R.T. 0.00 min

Lab File: BF120656.D

Acq: 18 Jun 2020 21:54

Instrument :

BNA_F

ClientSampleId :

EO-01-061720

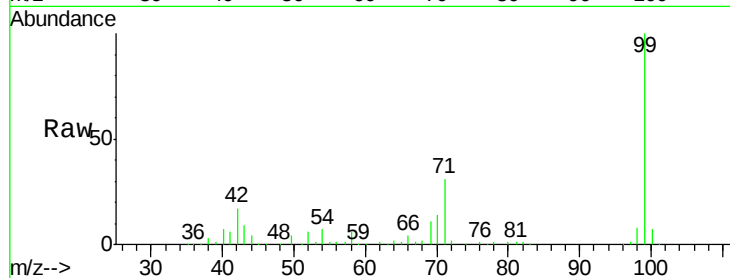
Tot Ion: 99 Resp: 277896

Ion Ratio Lower Upper

99 100

42 17.4 14.0 21.0

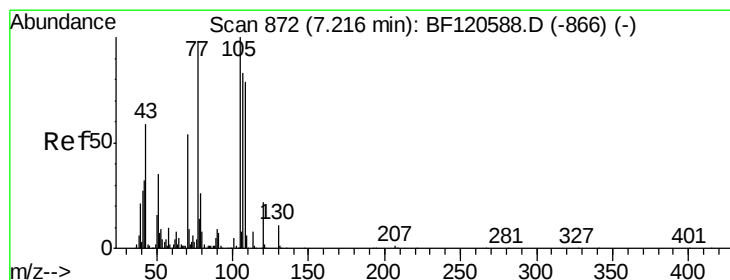
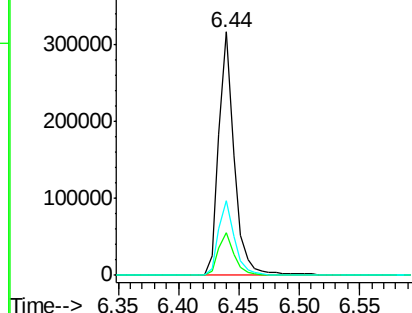
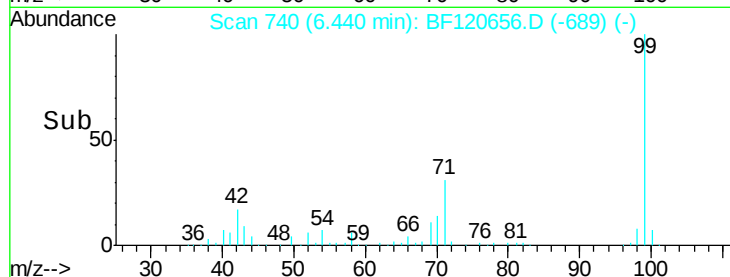
71 30.8 24.9 37.3



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: 3.676 ng

RT: 7.36 min Scan# 897

Delta R.T. 0.15 min

Lab File: BF120656.D

Acq: 18 Jun 2020 21:54

Tgt Ion: 70 Resp: 21624

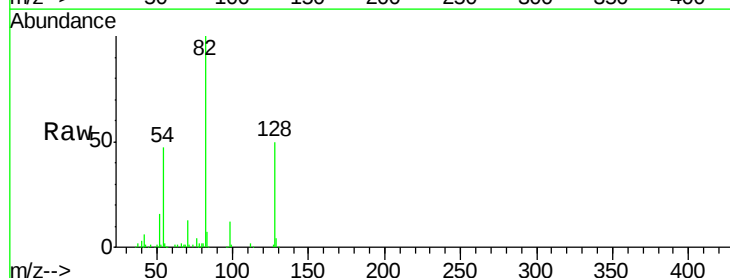
Ion Ratio Lower Upper

70 100

42 45.4 47.7 71.5#

101 0.0 7.6 11.4#

130 2.2 16.7 25.1#

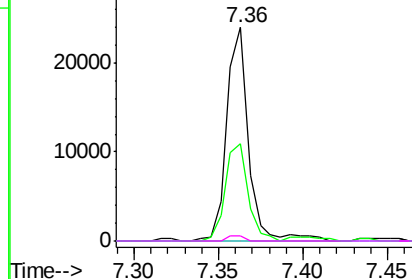
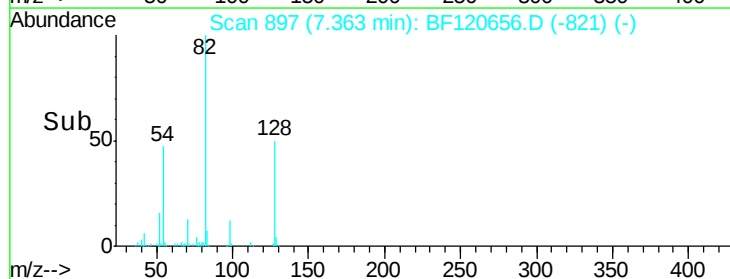


Abundance Ion 70.00 (69.70 to 70.70): BF1

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

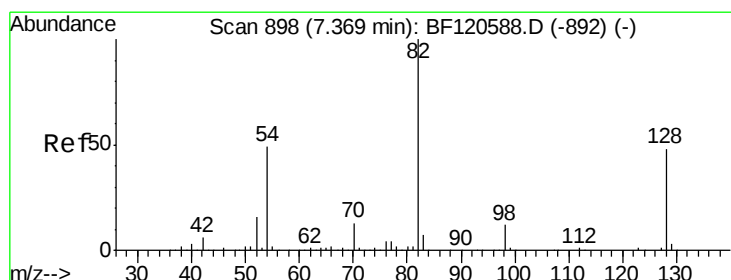
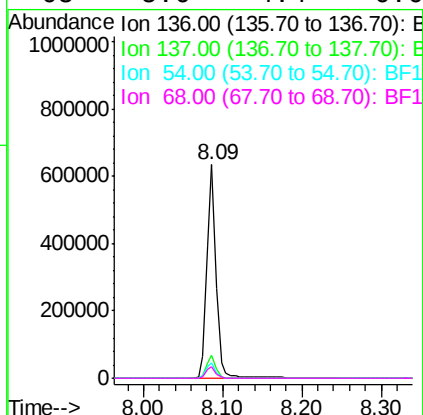
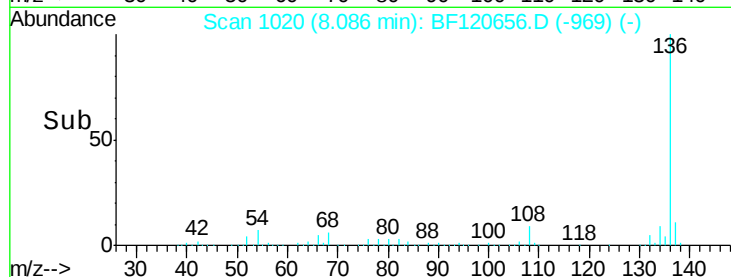
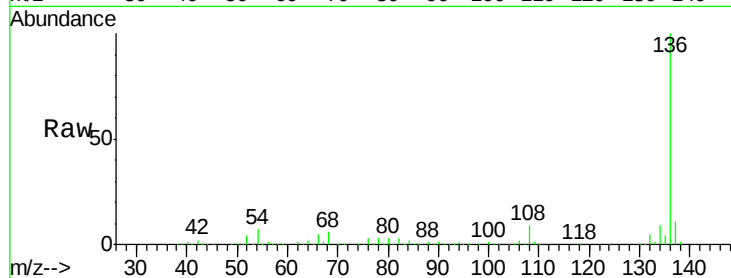




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.09 min Scan# 1020
Delta R.T. 0.00 min
Lab File: BF120656.D
Acq: 18 Jun 2020 21:54

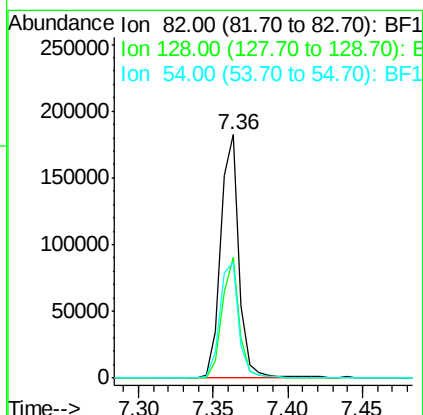
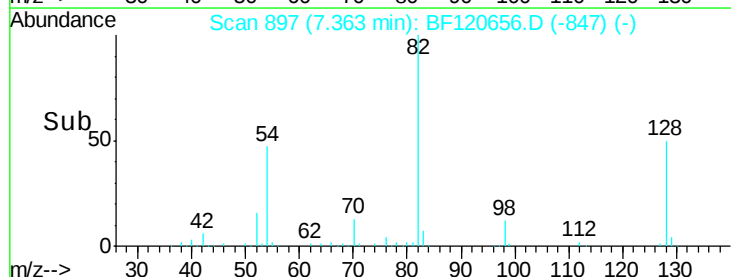
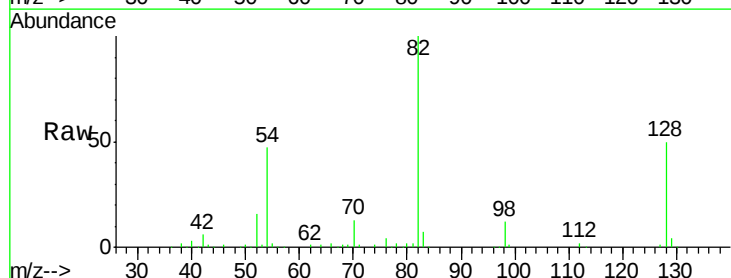
Instrument :
BNA_F
ClientSampleId :
EO-01-061720

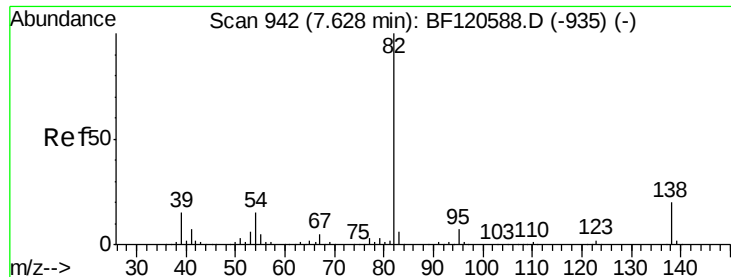
Tot Ion:136	Resp:	524573
Ion	Ratio	Lower Upper
136	100	
137	10.8	8.6 13.0
54	7.3	5.8 8.6
68	5.6	4.4 6.6



#23
Nitrobenzene-d5
Concen: 16.946 ng
RT: 7.36 min Scan# 897
Delta R.T. -0.01 min
Lab File: BF120656.D
Acq: 18 Jun 2020 21:54

Tgt Ion: 82	Resp:	159036
Ion	Ratio	Lower Upper
82	100	
128	49.6	38.0 57.0
54	47.5	38.8 58.2





#25

Isophorone

Concen: 8.699 ng

RT: 7.36 min Scan# 897

Delta R.T. -0.26 min

Lab File: BF120656.D

Acq: 18 Jun 2020 21:54

Instrument :

BNA_F

ClientSampleId :

EO-01-061720

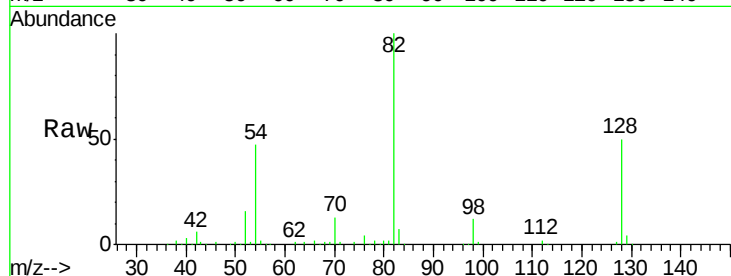
Tot Ion: 82 Resp: 159035

Ion Ratio Lower Upper

82 100

95 0.0 5.7 8.5#

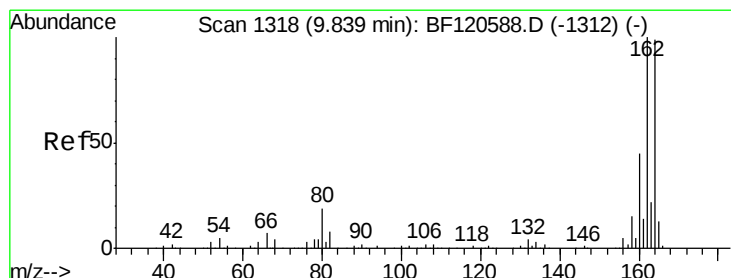
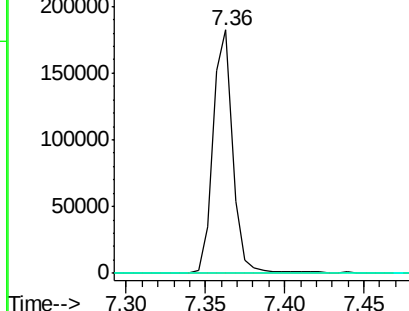
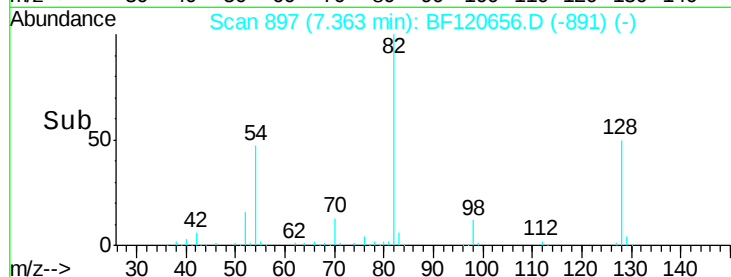
138 0.0 16.2 24.4#



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: 9.84 min Scan# 1318

Delta R.T. 0.00 min

Lab File: BF120656.D

Acq: 18 Jun 2020 21:54

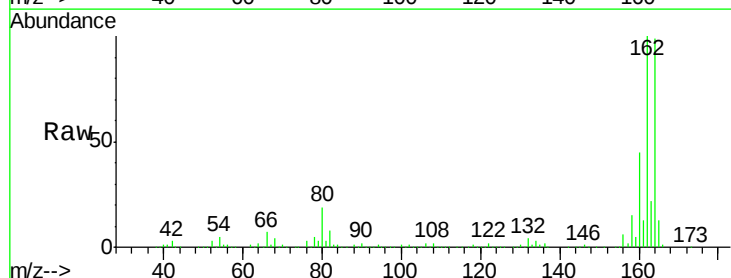
Tgt Ion:164 Resp: 266786

Ion Ratio Lower Upper

164 100

162 101.0 80.6 120.8

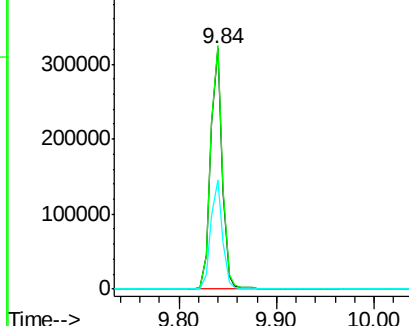
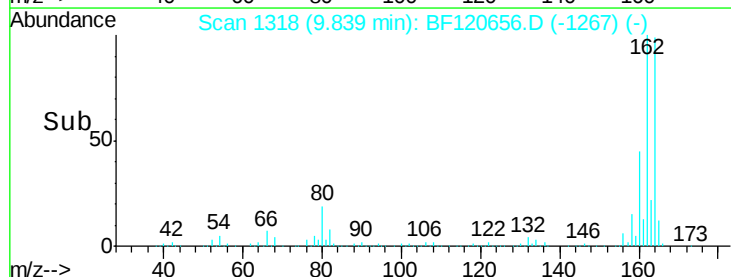
160 45.5 36.2 54.2

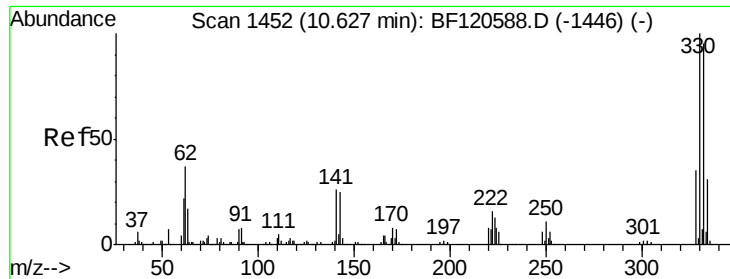


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

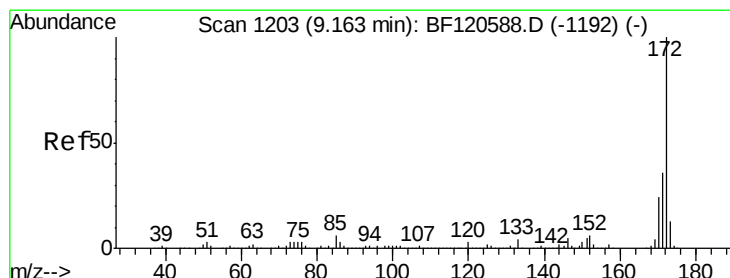
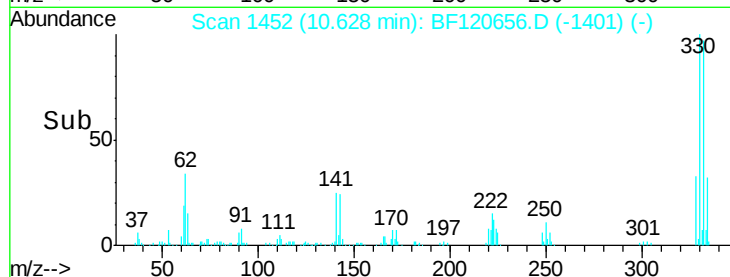
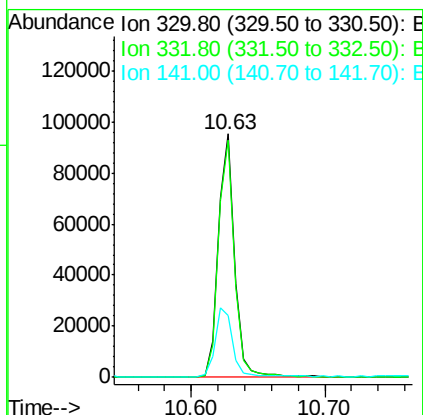
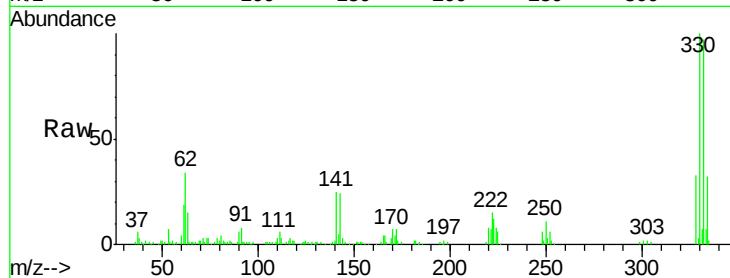




#42
 2,4,6-Tribromophenol
 Concen: 26.670 ng
 RT: 10.63 min Scan# 1452
 Delta R.T. 0.00 min
 Lab File: BF120656.D
 Acq: 18 Jun 2020 21:54

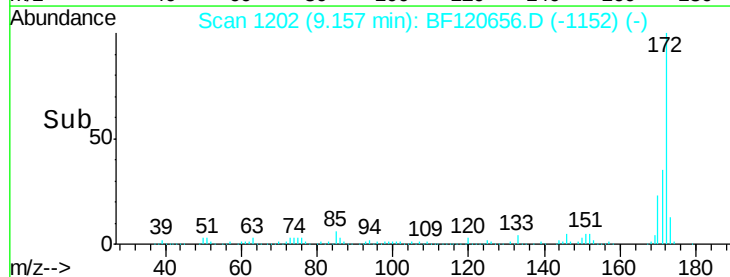
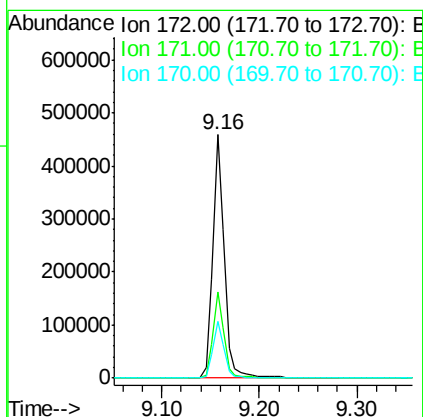
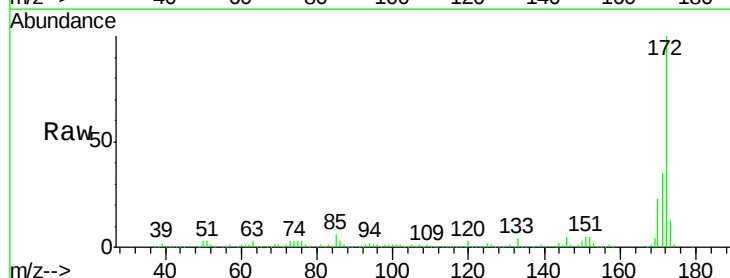
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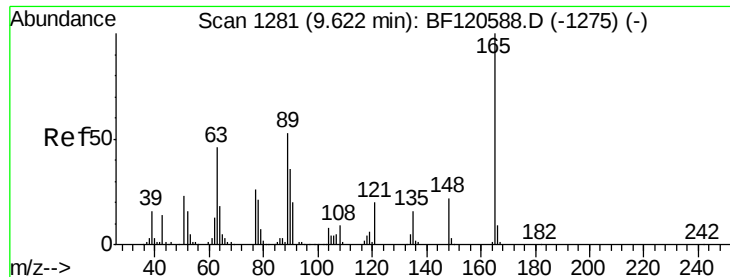
Tot Ion:330 Resp: 82725
 Ion Ratio Lower Upper
 330 100
 332 96.8 76.8 115.2
 141 31.7 23.2 34.8



#45
 2-Fluorobiphenyl
 Concen: 21.723 ng
 RT: 9.16 min Scan# 1202
 Delta R.T. -0.01 min
 Lab File: BF120656.D
 Acq: 18 Jun 2020 21:54

Tgt Ion:172 Resp: 378783
 Ion Ratio Lower Upper
 172 100
 171 35.3 29.0 43.4
 170 23.1 19.4 29.2

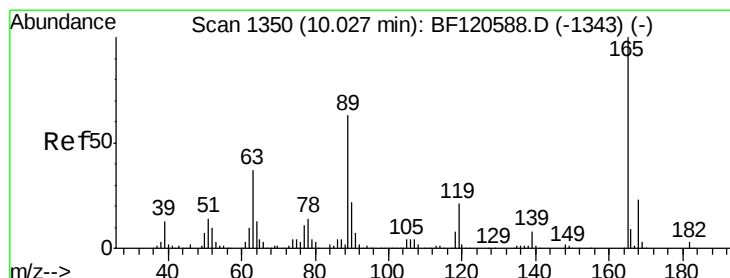
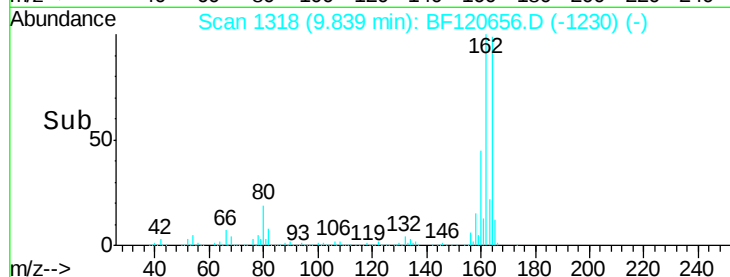
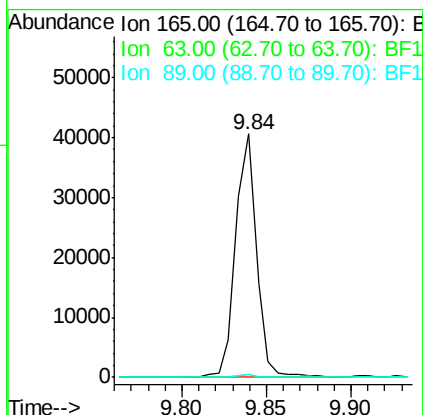
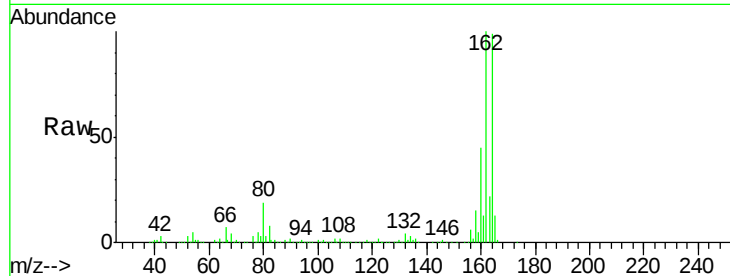




#51
 2,6-Dinitrotoluene
 Concen: 8.013 ng
 RT: 9.84 min Scan# 1318
 Delta R.T. 0.22 min
 Lab File: BF120656.D
 Acq: 18 Jun 2020 21:54

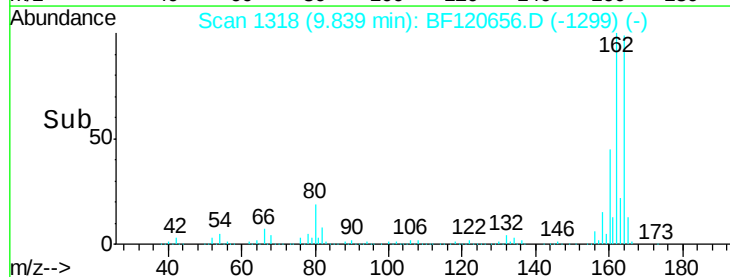
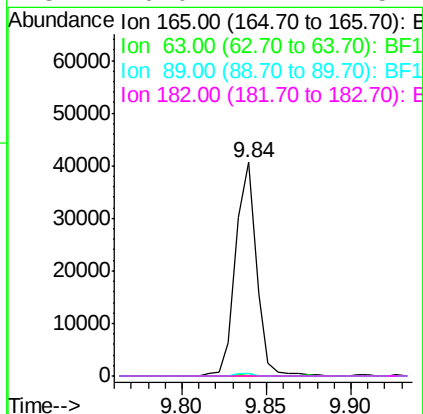
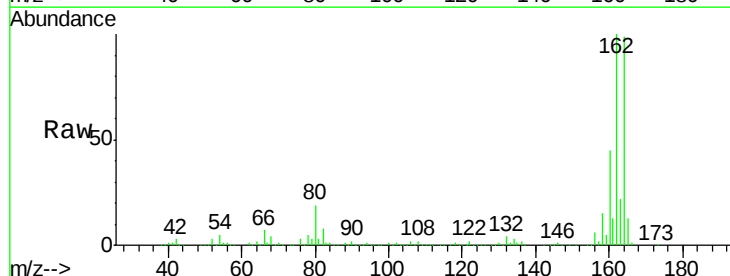
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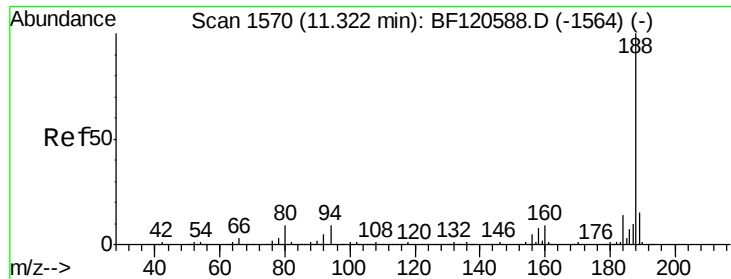
Tot Ion:165 Resp: 34893
 Ion Ratio Lower Upper
 165 100
 63 1.0 41.7 62.5#
 89 1.3 42.6 64.0#



#57
 2,4-Dinitrotoluene
 Concen: 6.039 ng
 RT: 9.84 min Scan# 1318
 Delta R.T. -0.19 min
 Lab File: BF120656.D
 Acq: 18 Jun 2020 21:54

Tgt Ion:165 Resp: 34893
 Ion Ratio Lower Upper
 165 100
 63 1.0 29.8 44.8#
 89 1.3 50.4 75.6#
 182 0.0 2.1 3.1#

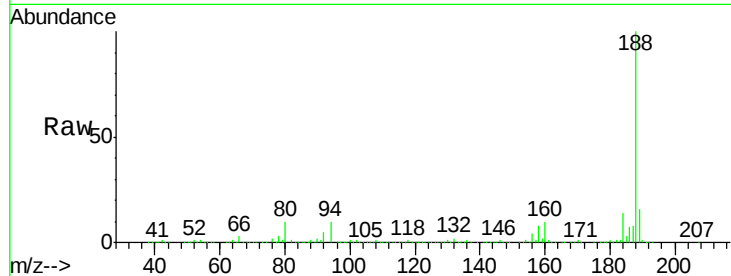




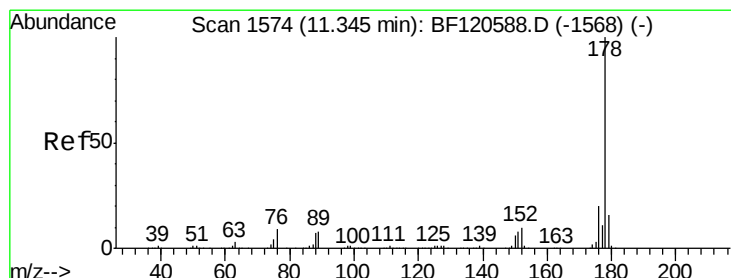
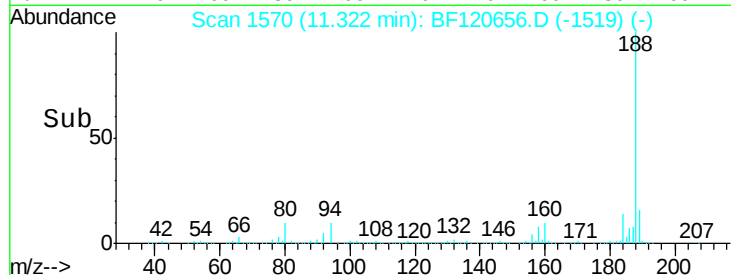
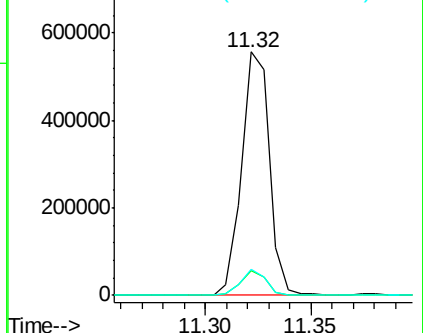
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.32 min Scan# 1570
Delta R.T. 0.00 min
Lab File: BF120656.D
Acq: 18 Jun 2020 21:54

Instrument :
BNA_F
ClientSampleId :
EO-01-061720

Tot Ion:188 Resp: 506739
Ion Ratio Lower Upper
188 100
94 10.1 7.2 10.8
80 10.5 7.4 11.2

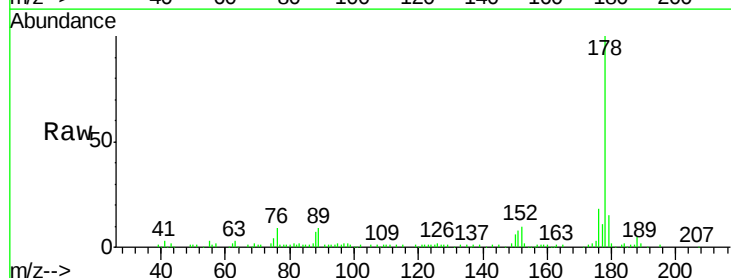


Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BF1
Ion 80.00 (79.70 to 80.70): BF1

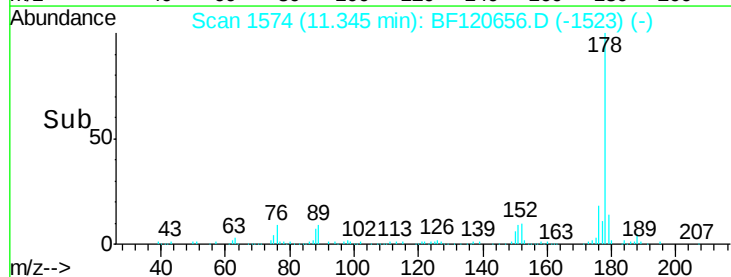
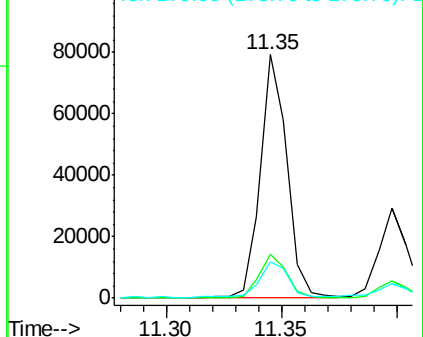


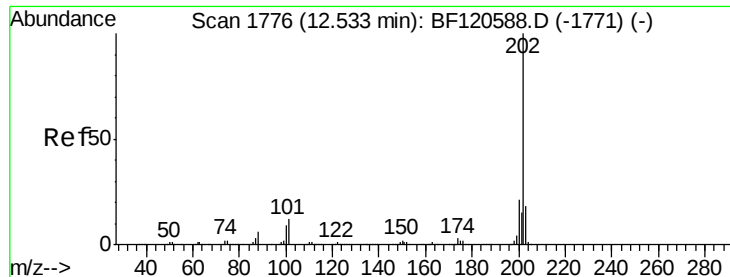
#71
Phenanthrene
Concen: 2.545 ng
RT: 11.35 min Scan# 1574
Delta R.T. 0.00 min
Lab File: BF120656.D
Acq: 18 Jun 2020 21:54

Tgt Ion:178 Resp: 64111
Ion Ratio Lower Upper
178 100
176 18.1 15.9 23.9
179 15.0 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: 3.873 ng

RT: 12.53 min Scan# 1776

Delta R.T. 0.00 min

Lab File: BF120656.D

Acq: 18 Jun 2020 21:54

Instrument :

BNA_F

ClientSampleId :

EO-01-061720

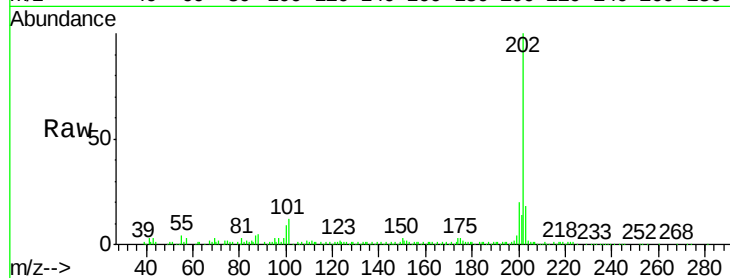
Tot Ion:202 Resp: 111547

Ion Ratio Lower Upper

202 100

101 12.0 0.0 32.0

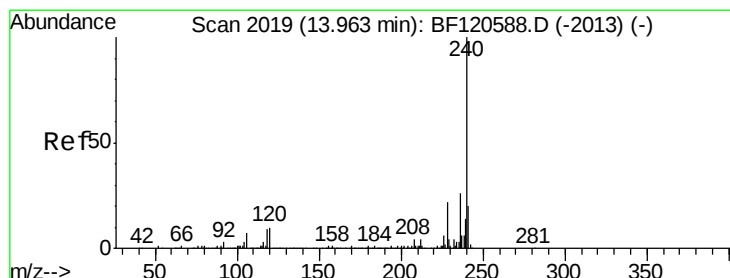
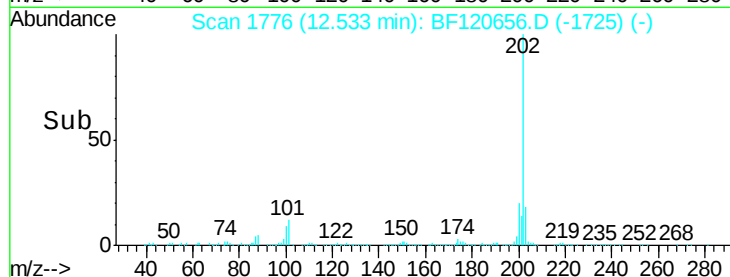
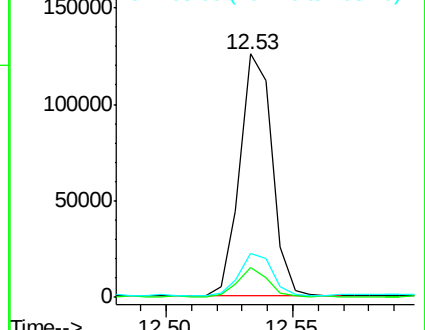
203 18.1 0.0 38.3



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: 13.96 min Scan# 2019

Delta R.T. 0.00 min

Lab File: BF120656.D

Acq: 18 Jun 2020 21:54

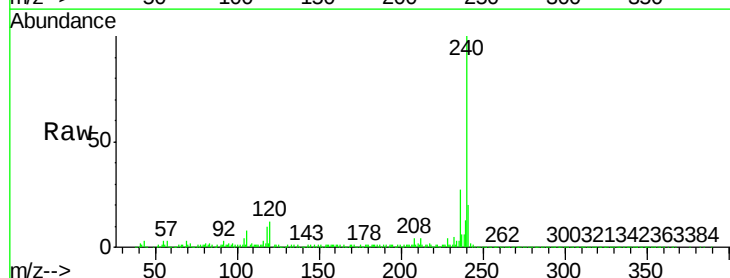
Tgt Ion:240 Resp: 409492

Ion Ratio Lower Upper

240 100

120 12.0 8.3 12.5

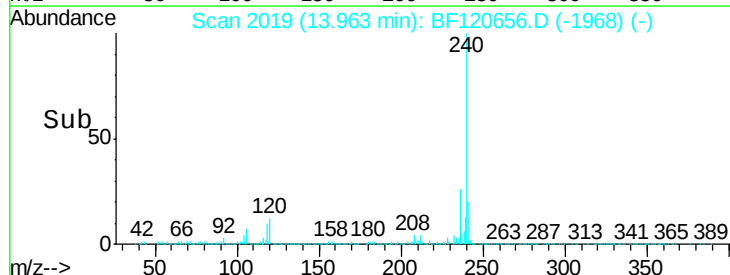
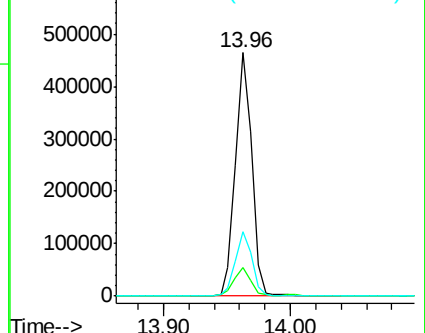
236 26.6 21.0 31.4

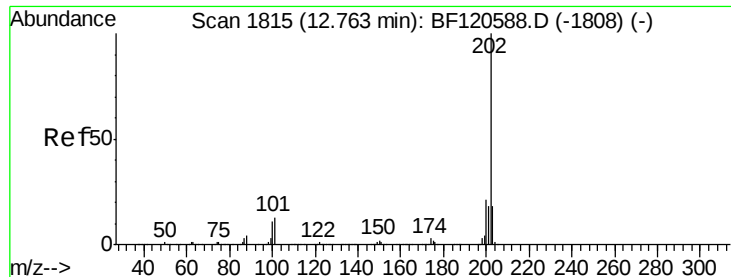


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#78

Pvrene

Concen: 3.920 ng

RT: 12.76 min Scan# 1815

Delta R.T. 0.00 min

Lab File: BF120656.D

Acq: 18 Jun 2020 21:54

Instrument :

BNA_F

ClientSampleId :

EO-01-061720

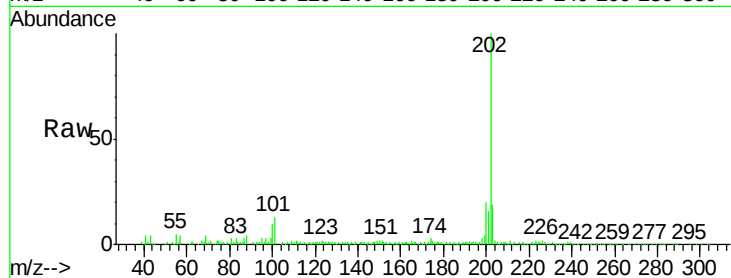
Tot Ion:202 Resp: 113709

Ion Ratio Lower Upper

202 100

200 19.6 16.8 25.2

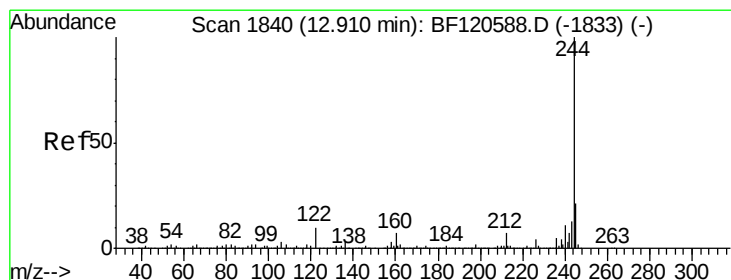
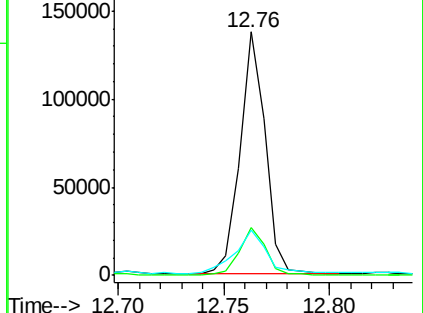
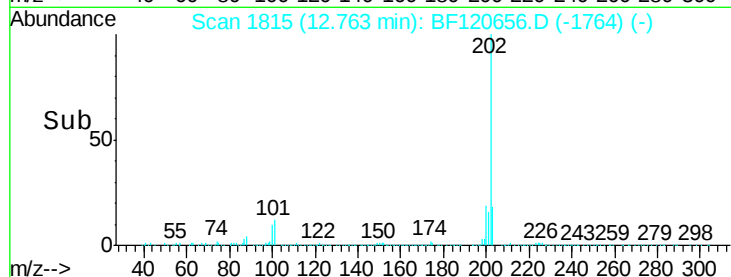
203 18.8 14.3 21.5



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: 24.749 ng

RT: 12.90 min Scan# 1839

Delta R.T. -0.01 min

Lab File: BF120656.D

Acq: 18 Jun 2020 21:54

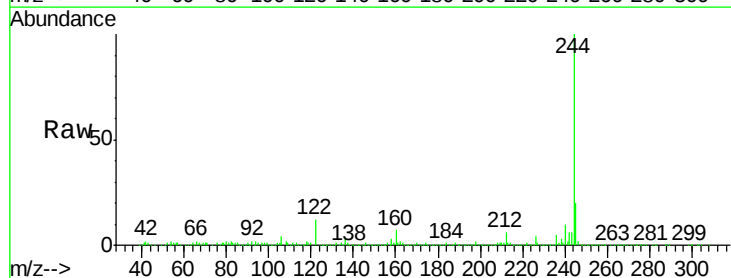
Tgt Ion:244 Resp: 458804

Ion Ratio Lower Upper

244 100

212 6.5 5.7 8.5

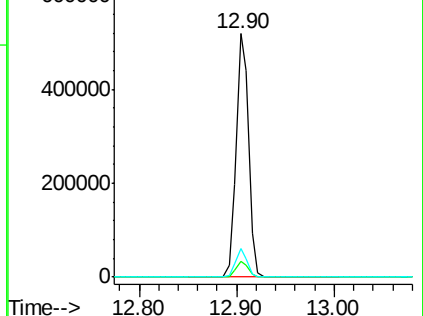
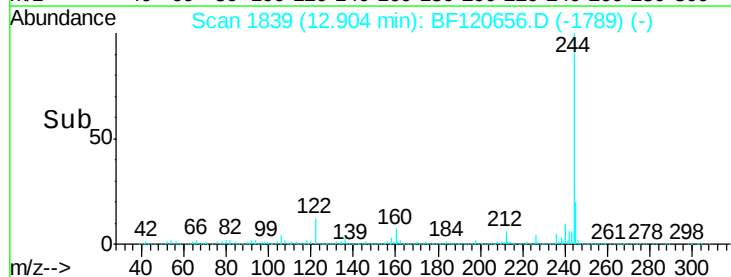
122 11.7 8.3 12.5

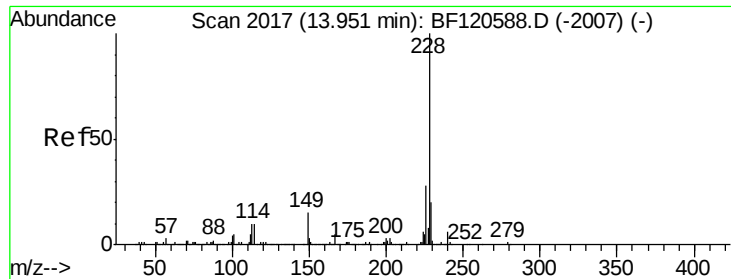


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

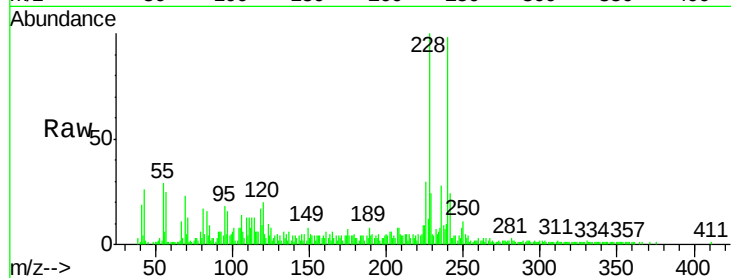




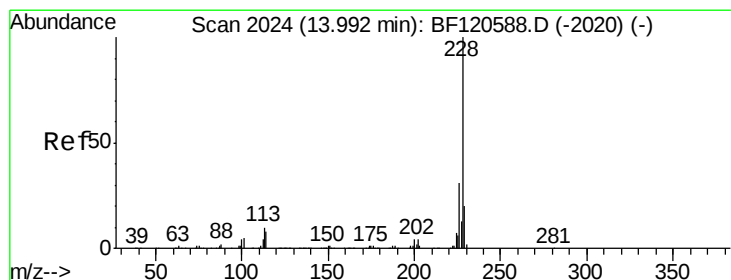
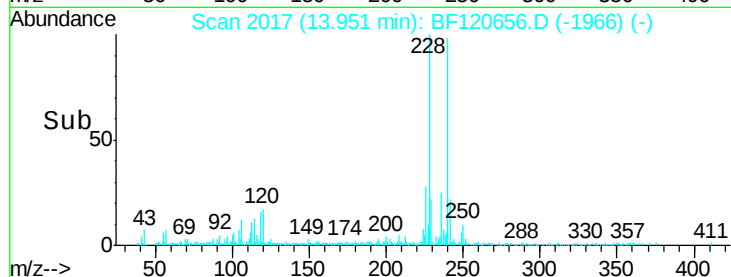
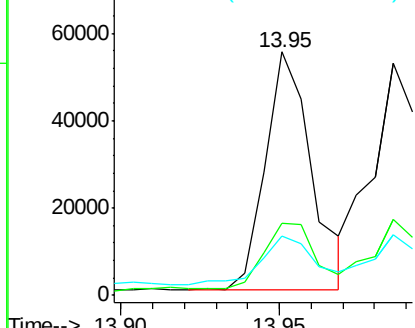
#81
Benzo(a)anthracene
Concen: 2.261 ng
RT: 13.95 min Scan# 2017
Delta R.T. 0.00 min
Lab File: BF120656.D
Acq: 18 Jun 2020 21:54

Instrument :
BNA_F
ClientSampleId :
EO-01-061720

Tot Ion:228 Resp: 55632
Ion Ratio Lower Upper
228 100
226 29.8 22.5 33.7
229 24.4 16.1 24.1#

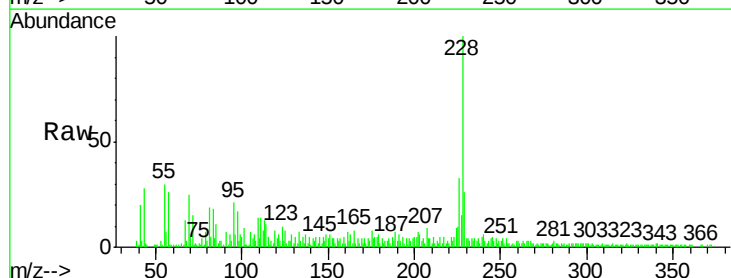


Abundance Ion 228.00 (227.70 to 228.70): E
Ion 226.00 (225.70 to 226.70): E
Ion 229.00 (228.70 to 229.70): E

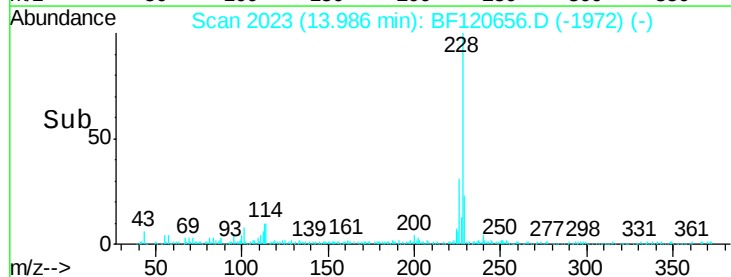
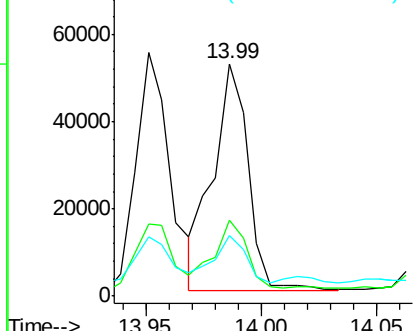


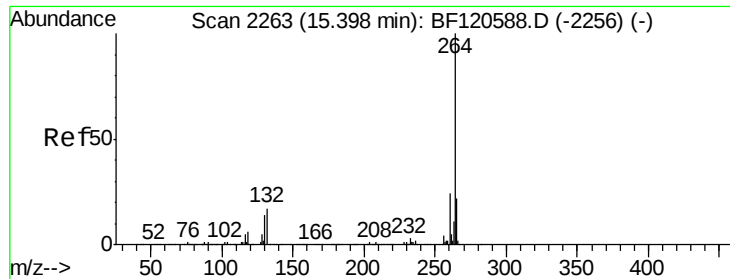
#83
Chrysene
Concen: 2.187 ng
RT: 13.99 min Scan# 2023
Delta R.T. 0.00 min
Lab File: BF120656.D
Acq: 18 Jun 2020 21:54

Tgt Ion:228 Resp: 55199
Ion Ratio Lower Upper
228 100
226 32.9 24.9 37.3
229 26.0 16.1 24.1#



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

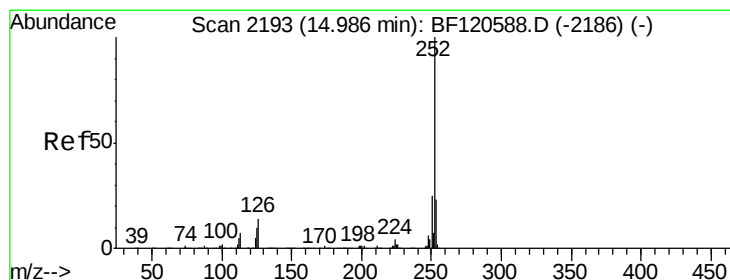
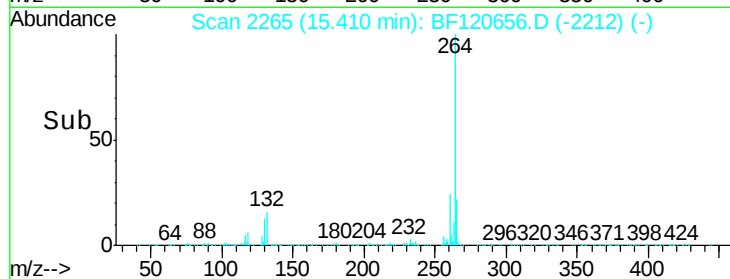
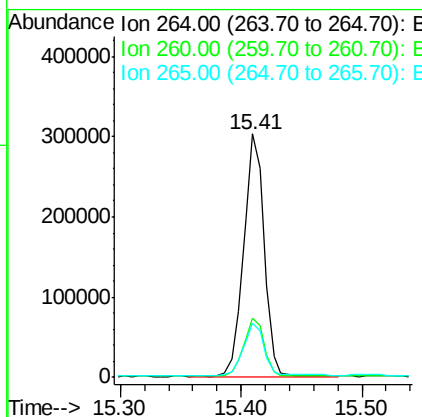
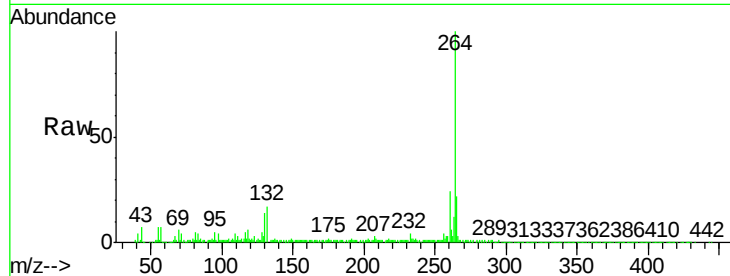




#86
Pervlene-d12
Concen: 20.000 ng
RT: 15.41 min Scan# 2265
Delta R.T. 0.01 min
Lab File: BF120656.D
Acq: 18 Jun 2020 21:54

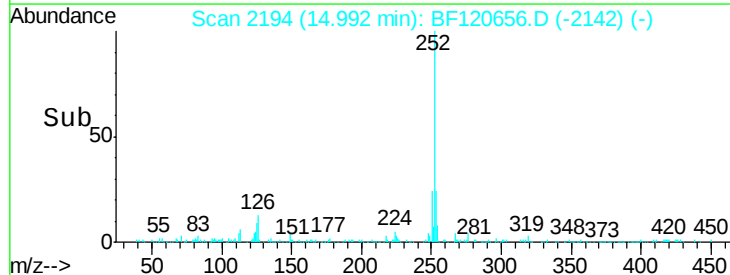
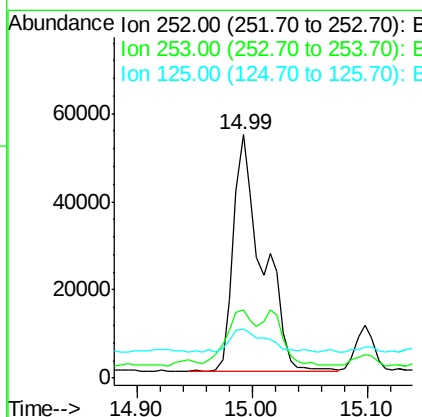
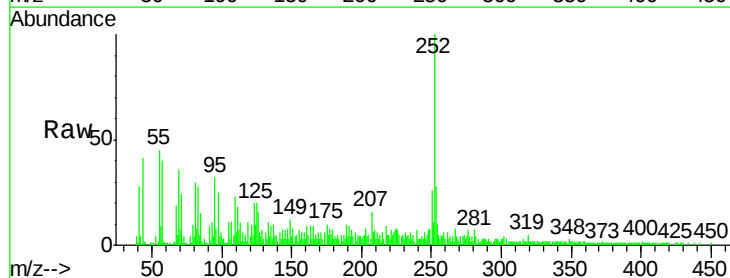
Instrument :
BNA_F
ClientSampleId :
EO-01-061720

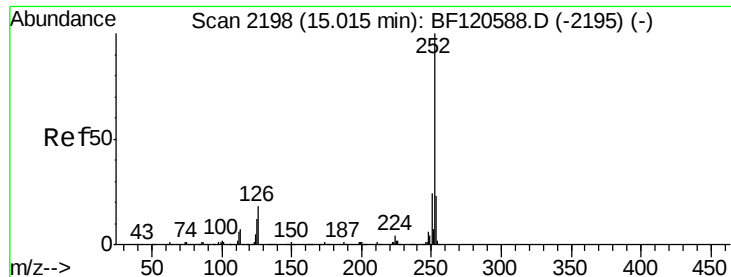
Tot Ion	Ratio	Lower	Upper
264	100		
260	24.4	19.3	28.9
265	22.2	17.8	26.8



#88
Benzo(b)fluoranthene
Concen: 4.462 ng
RT: 14.99 min Scan# 2194
Delta R.T. 0.01 min
Lab File: BF120656.D
Acq: 18 Jun 2020 21:54

Tgt Ion	Ratio	Lower	Upper
252	100		
253	28.2	18.1	27.1#
125	19.9	8.3	12.5#

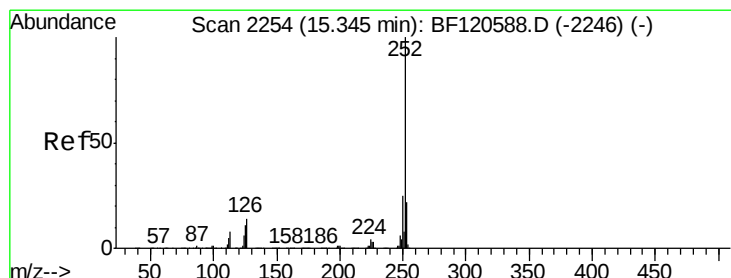
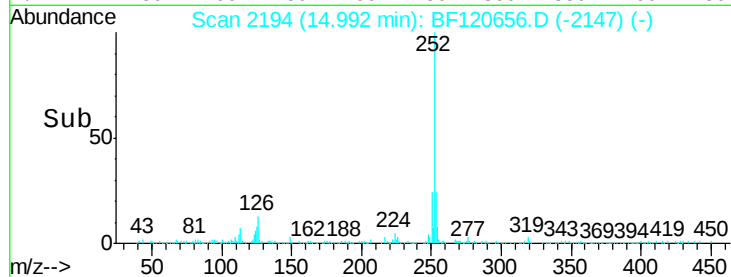
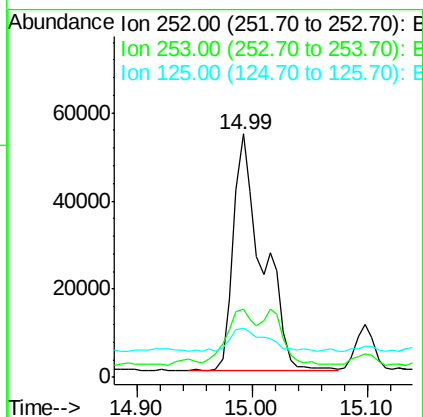
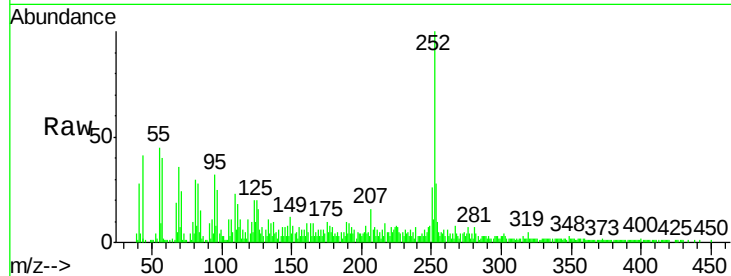




#89
Benzo(k)fluoranthene
Concen: 5.043 ng
RT: 14.99 min Scan# 2194
Delta R.T. -0.02 min
Lab File: BF120656.D
Acq: 18 Jun 2020 21:54

Instrument :
BNA_F
ClientSampleId :
EO-01-061720

Tot Ion:252 Resp: 95167
Ion Ratio Lower Upper
252 100
253 28.2 18.0 27.0#
125 19.9 8.3 12.5#



#90
Benzo(a)pyrene
Concen: 2.541 ng
RT: 15.34 min Scan# 2254
Delta R.T. 0.01 min
Lab File: BF120656.D
Acq: 18 Jun 2020 21:54

Tgt Ion:252 Resp: 48505
Ion Ratio Lower Upper
252 100
253 25.9 17.8 26.8
125 24.0 8.6 12.8#

