

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF061820\
 Data File : BF120654.D
 Acq On : 18 Jun 2020 20:57
 Operator : JU/CG
 Sample : L2809-01 2X
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 HD-01-061720

Quant Time: Jun 19 01:12:41 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	140687	20.00	ng	0.00
21) Naphthalene-d8	8.09	136	527402	20.00	ng	0.00
39) Acenaphthene-d10	9.84	164	264163	20.00	ng	0.00
64) Phenanthrene-d10	11.32	188	511845	20.00	ng	0.00
76) Chrysene-d12	13.96	240	430496	20.00	ng	0.00
86) Perylene-d12	15.41	264	380482	20.00	ng	0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.42	112	386301	47.08	ng	0.00
7) Phenol-d6	6.44	99	468469	45.84	ng	0.00
23) Nitrobenzene-d5	7.36	82	266048	28.20	ng	0.00
42) 2,4,6-Tribromophenol	10.63	330	141460	46.06	ng	0.00
45) 2-Fluorobiphenyl	9.16	172	607332	35.18	ng	0.00
79) Terphenyl-d14	12.90	244	739605	37.95	ng	0.00

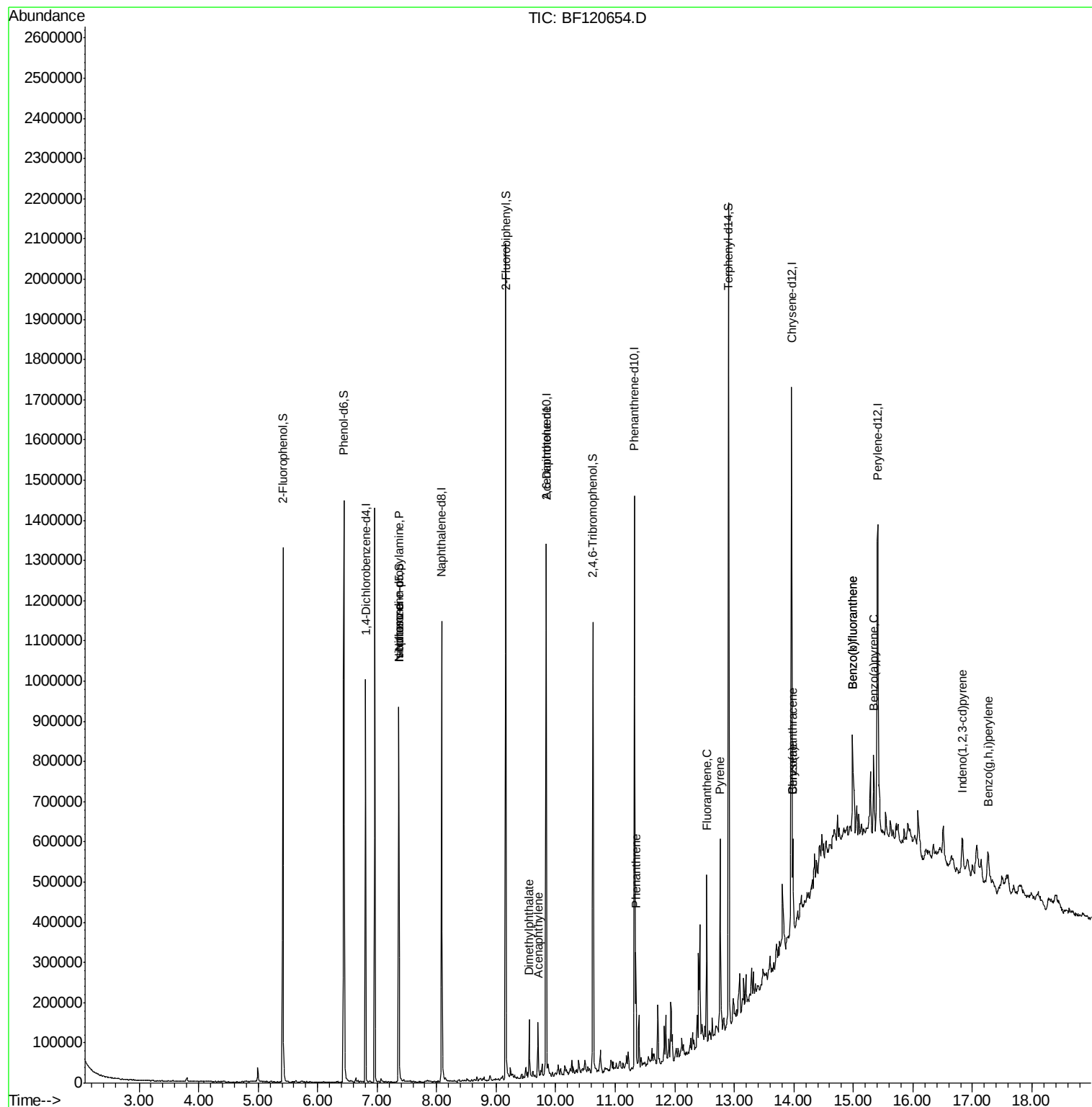
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
19) n-Nitroso-di-n-propylamine	7.36	70	33931	5.723	ng	# 80
25) Isophorone	7.36	82	266045	14.475	ng	# 62
49) Acenaphthylene	9.70	152	50620	2.033	ng	97
50) Dimethylphthalate	9.55	163	48217	2.534	ng	98
51) 2,6-Dinitrotoluene	9.84	165	34873	8.088	ng	# 27
71) Phenanthrene	11.35	178	89773	3.528	ng	97
75) Fluoranthene	12.53	202	143870	4.946	ng	99
78) Pyrene	12.76	202	184825	6.060	ng	98
81) Benzo(a)anthracene	13.99	228	87786	3.394	ng	95
83) Chrysene	13.99	228	87786	3.309	ng	98
87) Indeno(1,2,3-cd)pyrene	16.83	276	55028	2.378	ng	99
88) Benzo(b)fluoranthene	14.99	252	163857	7.230	ng	# 95
89) Benzo(k)fluoranthene	14.99	252	163857	8.170	ng	# 94
90) Benzo(a)pyrene	15.34	252	93973	4.633	ng	# 95
92) Benzo(a,h,i)perylene	17.26	276	56852	3.039	ng	96

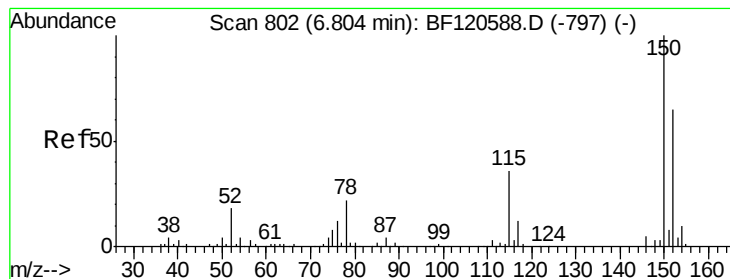
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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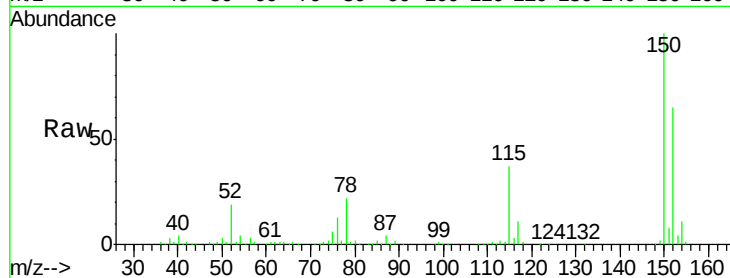


#1

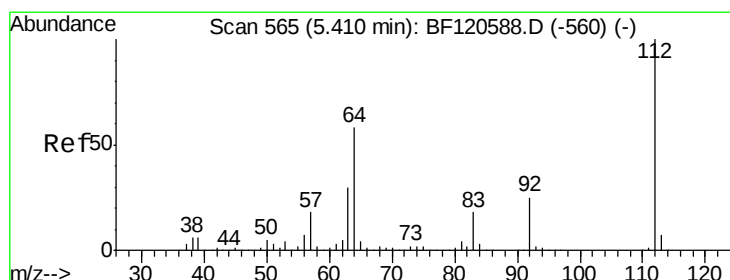
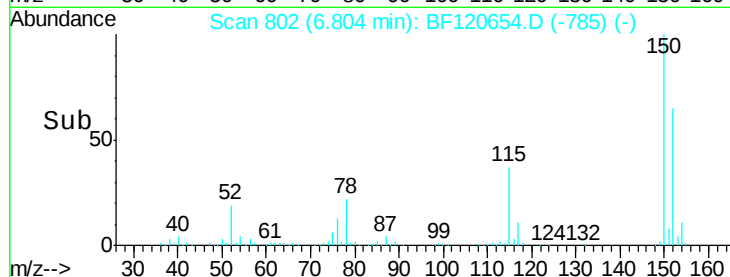
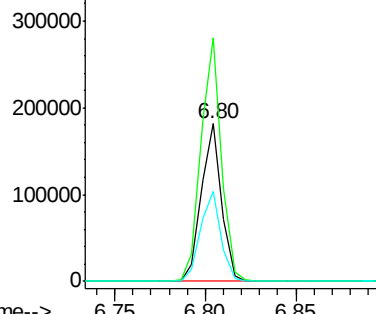
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.80 min Scan# 802
Delta R.T. 0.00 min
Lab File: BF120654.D
Acq: 18 Jun 2020 20:57

Instrument :
BNA_F
ClientSampleId :
HD-01-061720

Tot Ion:152 Resp: 140687
Ion Ratio Lower Upper
152 100
150 154.3 123.2 184.8
115 56.7 43.9 65.9



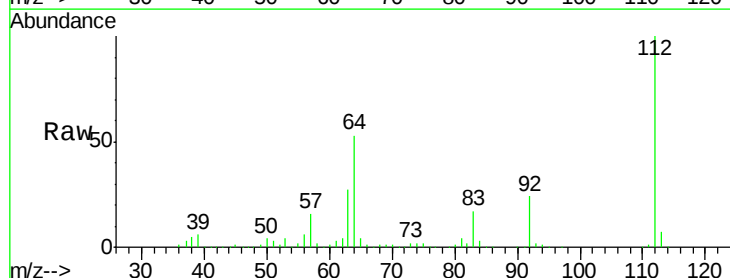
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



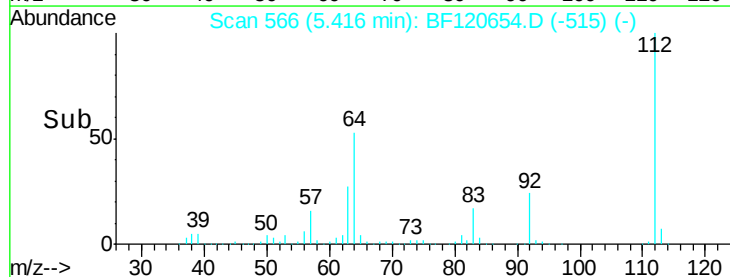
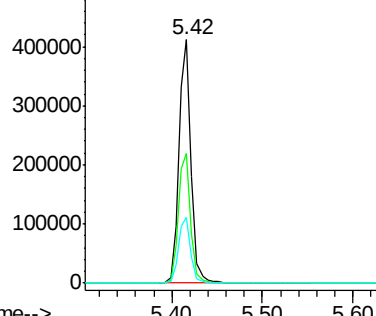
#5

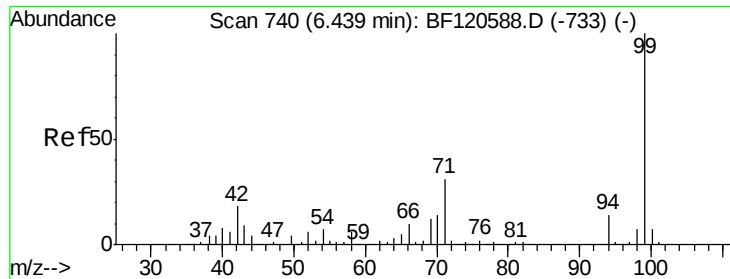
2-Fluorophenol
Concen: 47.076 ng
RT: 5.42 min Scan# 566
Delta R.T. 0.00 min
Lab File: BF120654.D
Acq: 18 Jun 2020 20:57

Tgt Ion:112 Resp: 386301
Ion Ratio Lower Upper
112 100
64 53.2 46.1 69.1
63 27.2 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: 45.836 ng

RT: 6.44 min Scan# 740

Delta R.T. 0.00 min

Lab File: BF120654.D

Acq: 18 Jun 2020 20:57

Instrument :

BNA_F

ClientSampleId :

HD-01-061720

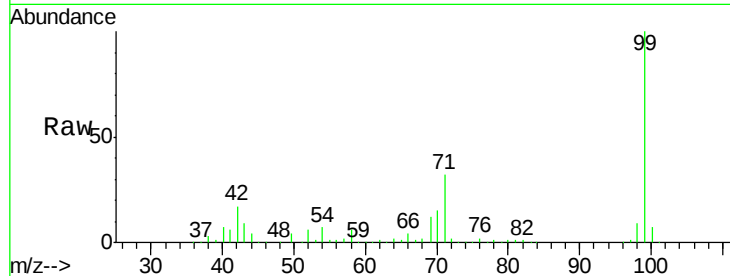
Tot Ion: 99 Resp: 468469

Ion Ratio Lower Upper

99 100

42 17.5 14.0 21.0

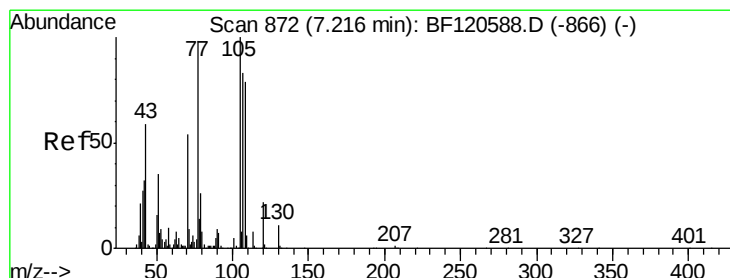
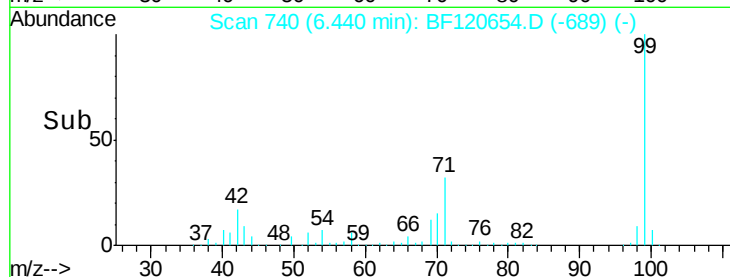
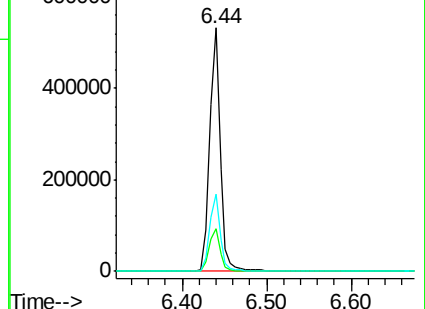
71 31.5 24.9 37.3



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: 5.723 ng

RT: 7.36 min Scan# 897

Delta R.T. 0.15 min

Lab File: BF120654.D

Acq: 18 Jun 2020 20:57

Tgt Ion: 70 Resp: 33931

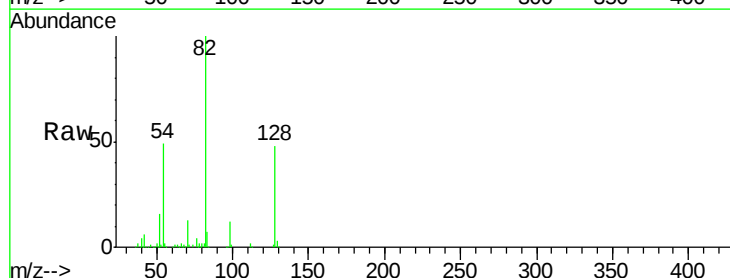
Ion Ratio Lower Upper

70 100

42 49.9 47.7 71.5

101 0.0 7.6 11.4#

130 2.5 16.7 25.1#

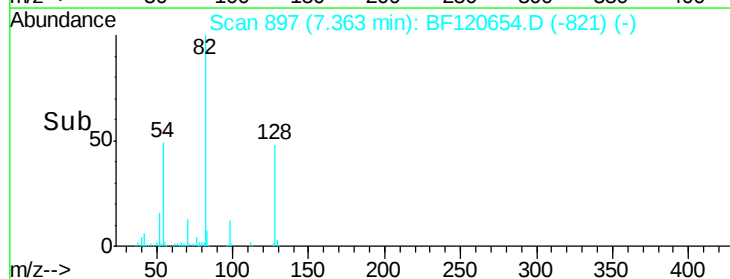
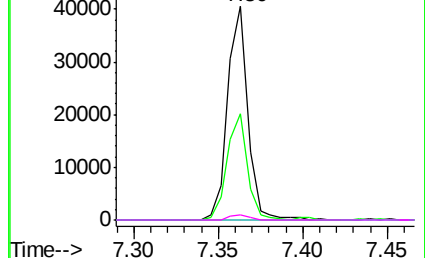


Abundance Ion 70.00 (69.70 to 70.70): BF1

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

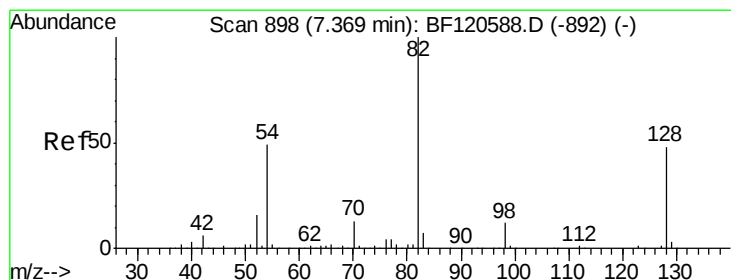
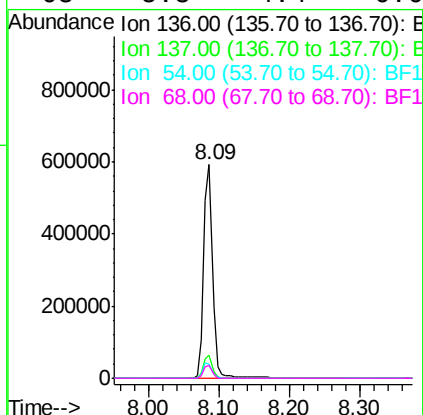
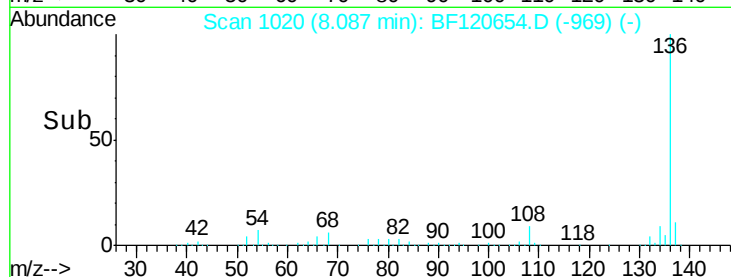
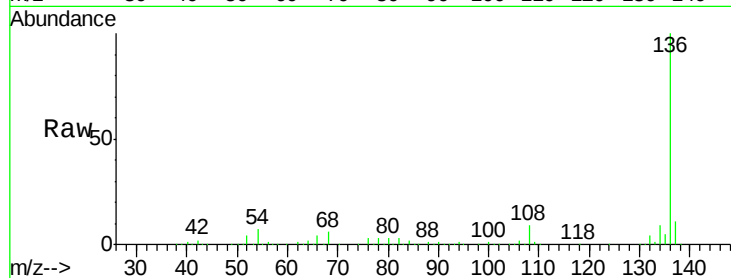




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.09 min Scan# 1020
Delta R.T. 0.00 min
Lab File: BF120654.D
Acq: 18 Jun 2020 20:57

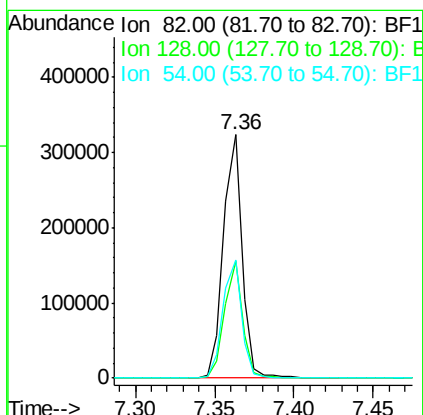
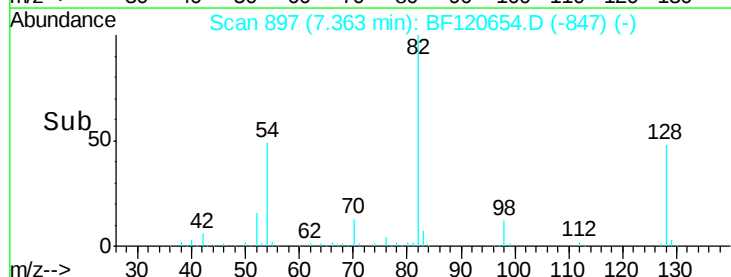
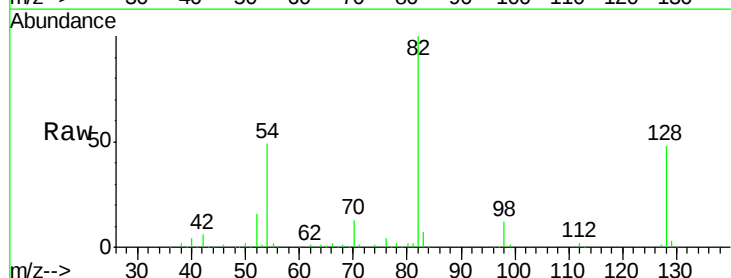
Instrument :
BNA_F
ClientSampleId :
HD-01-061720

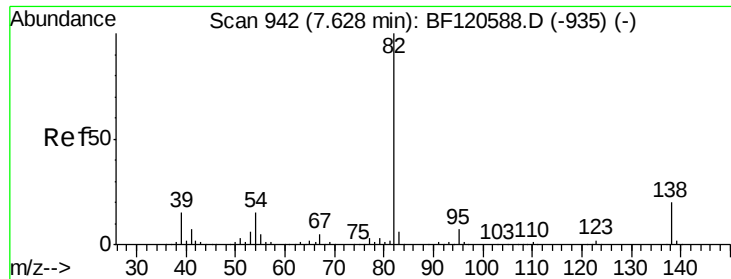
Tot Ion:136	Resp:	527402	
Ion Ratio	Lower	Upper	
136 100			
137 10.8	8.6	13.0	
54 6.9	5.8	8.6	
68 5.8	4.4	6.6	



#23
Nitrobenzene-d5
Concen: 28.197 ng
RT: 7.36 min Scan# 897
Delta R.T. -0.01 min
Lab File: BF120654.D
Acq: 18 Jun 2020 20:57

Tgt Ion: 82	Resp: 266048
Ion Ratio	Lower Upper
82 100	
128 47.8	38.0 57.0
54 48.6	38.8 58.2





#25

Isophorone

Concen: 14.475 ng

RT: 7.36 min Scan# 897

Delta R.T. -0.26 min

Lab File: BF120654.D

Acq: 18 Jun 2020 20:57

Instrument :

BNA_F

ClientSampleId :

HD-01-061720

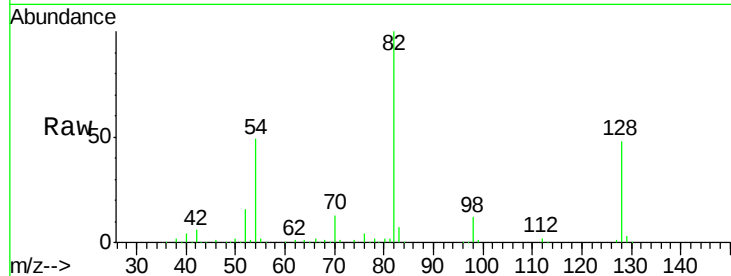
Tot Ion: 82 Resp: 266045

Ion Ratio Lower Upper

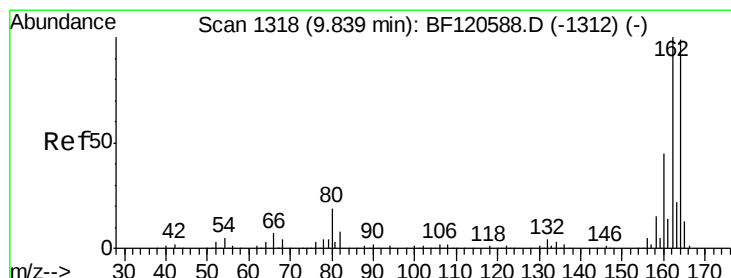
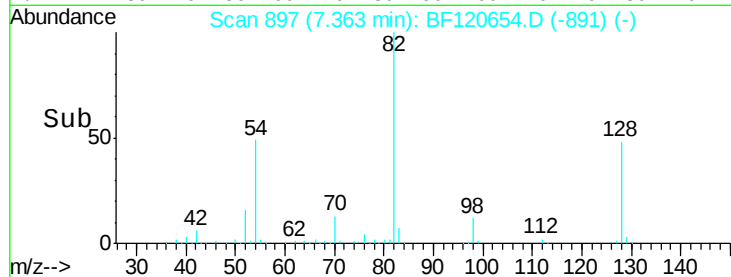
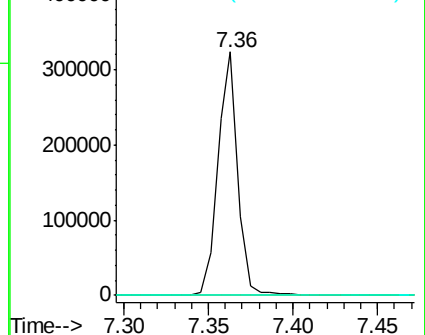
82 100

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: BF120654.D

Acq: 18 Jun 2020 20:57

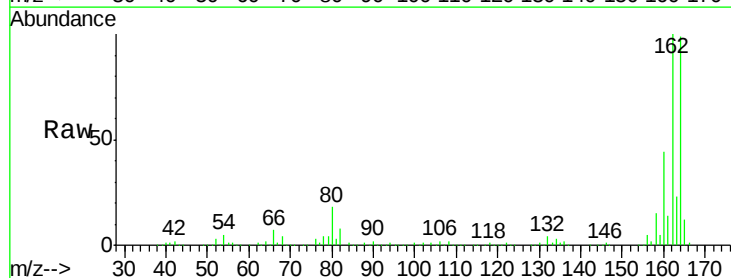
Tgt Ion: 164 Resp: 264163

Ion Ratio Lower Upper

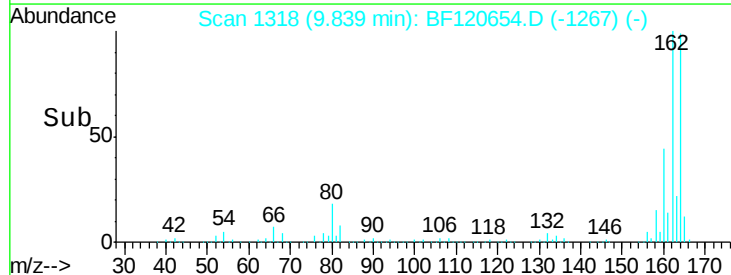
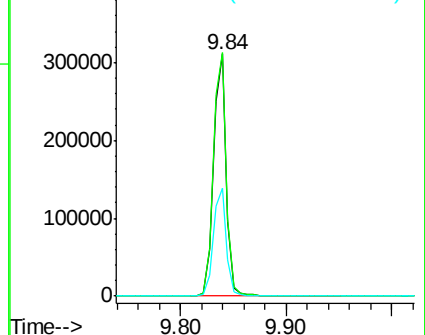
164 100

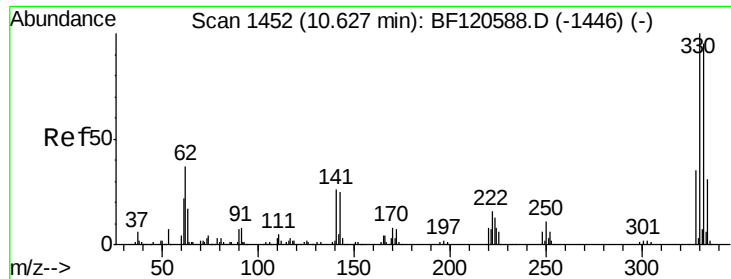
162 100.7 80.6 120.8

160 44.8 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

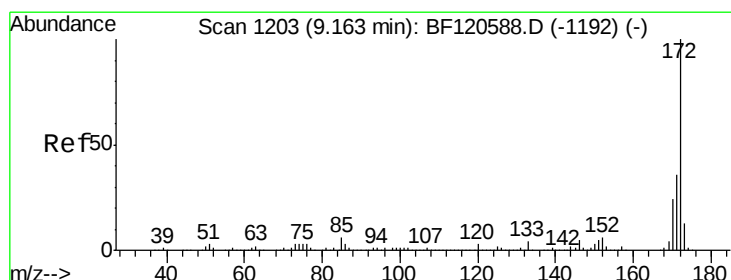
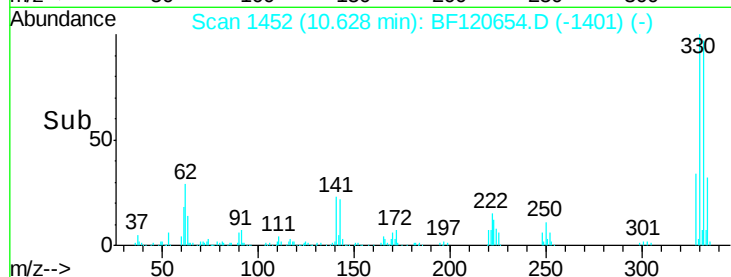
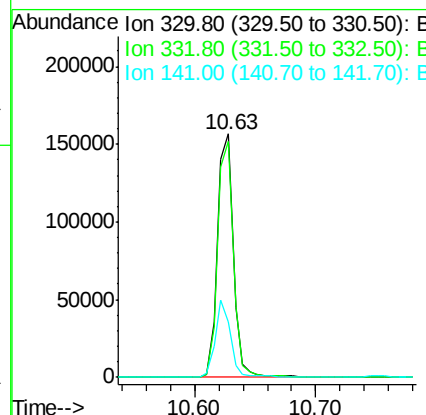
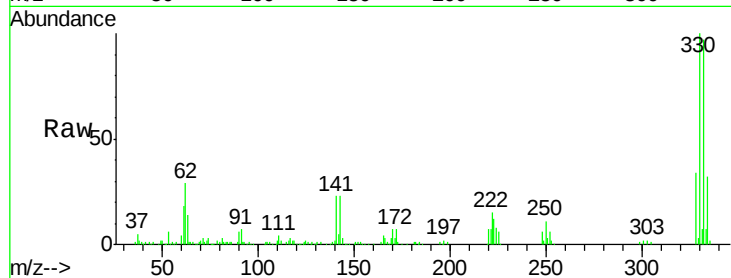




#42
 2,4,6-Tribromophenol
 Concen: 46.059 ng
 RT: 10.63 min Scan# 1452
 Delta R.T. 0.00 min
 Lab File: BF120654.D
 Acq: 18 Jun 2020 20:57

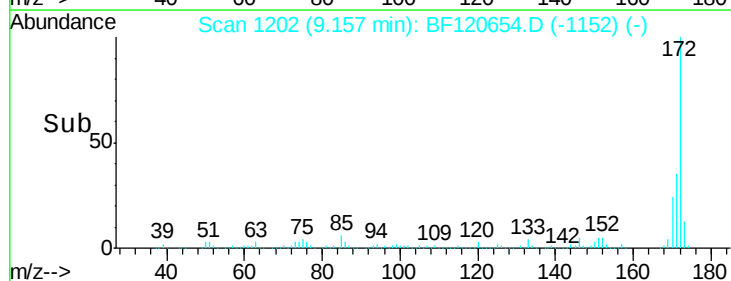
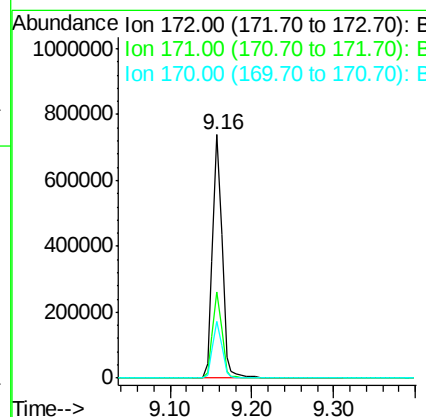
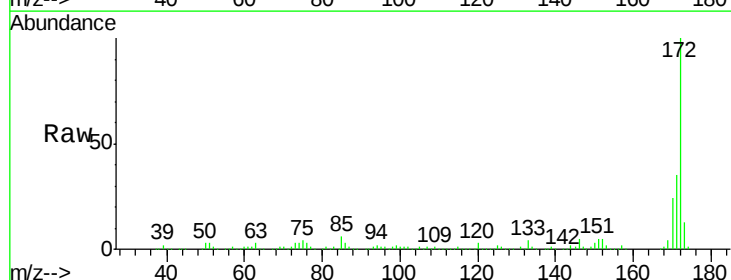
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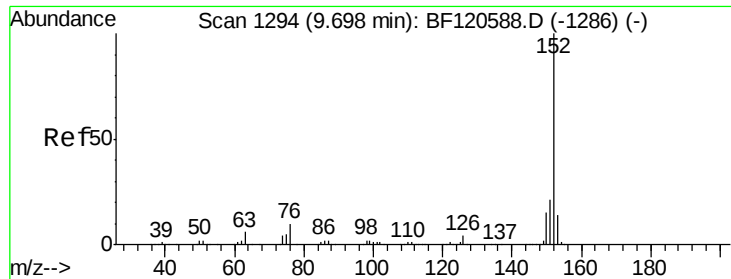
Tot Ion	Ratio	Lower	Upper
330	100		
332	97.0	76.8	115.2
141	31.0	23.2	34.8



#45
 2-Fluorobiphenyl
 Concen: 35.176 ng
 RT: 9.16 min Scan# 1202
 Delta R.T. -0.01 min
 Lab File: BF120654.D
 Acq: 18 Jun 2020 20:57

Tgt Ion	Ratio	Lower	Upper
172	100		
171	35.2	29.0	43.4
170	23.5	19.4	29.2





#49

Acenaphthylene

Concen: 2.033 ng

RT: 9.70 min Scan# 1294

Delta R.T. 0.00 min

Lab File: BF120654.D

Acq: 18 Jun 2020 20:57

Instrument :

BNA_F

ClientSampleId :

HD-01-061720

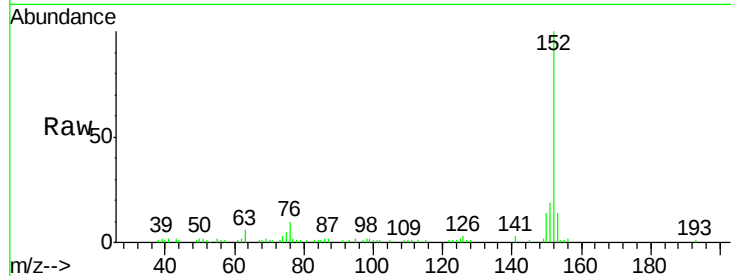
Tot Ion:152 Resp: 50620

Ion Ratio Lower Upper

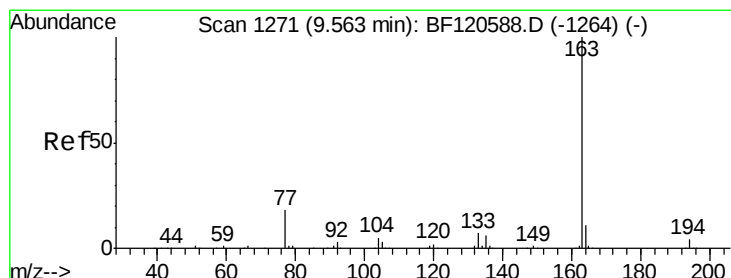
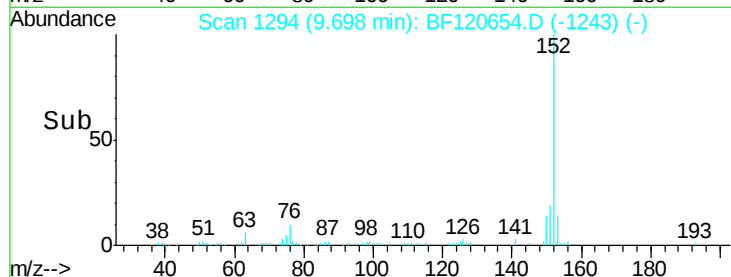
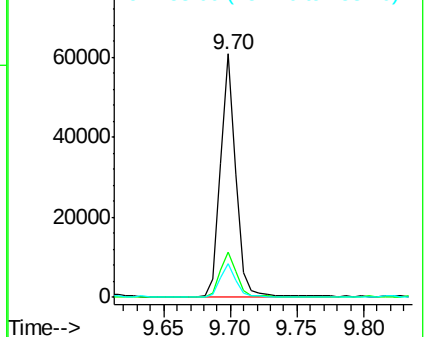
152 100

151 18.8 16.6 25.0

153 13.6 11.0 16.6



Abundance Ion 152.00 (151.70 to 152.70): E
Ion 151.00 (150.70 to 151.70): E
Ion 153.00 (152.70 to 153.70): E



#50

Dimethylphthalate

Concen: 2.534 ng

RT: 9.55 min Scan# 1269

Delta R.T. -0.01 min

Lab File: BF120654.D

Acq: 18 Jun 2020 20:57

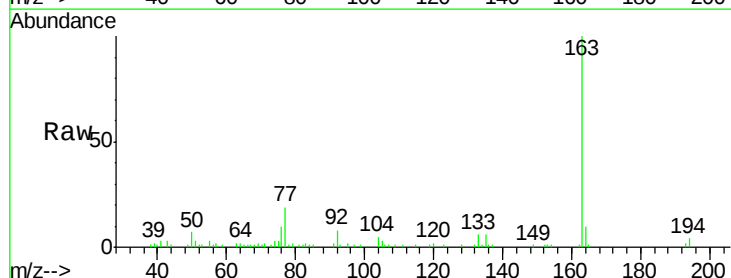
Tgt Ion:163 Resp: 48217

Ion Ratio Lower Upper

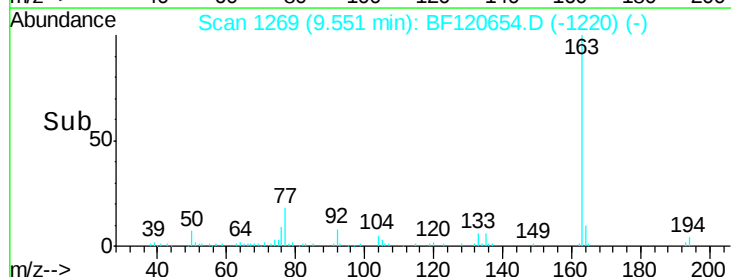
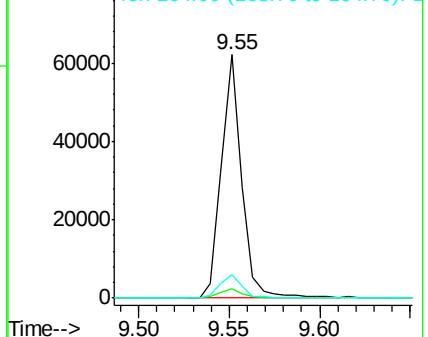
163 100

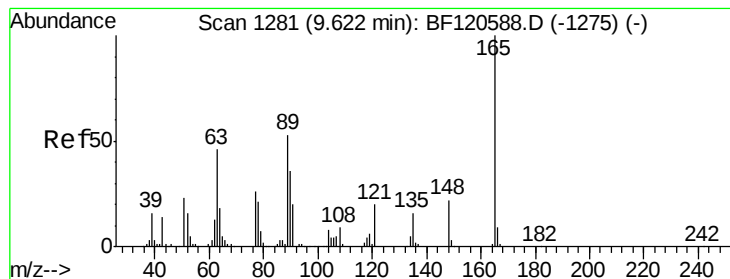
194 3.6 3.1 4.7

164 9.6 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: 8.088 ng

RT: 9.84 min Scan# 1318

Delta R.T. 0.22 min

Lab File: BF120654.D

Acq: 18 Jun 2020 20:57

Instrument :

BNA_F

ClientSampleId :

HD-01-061720

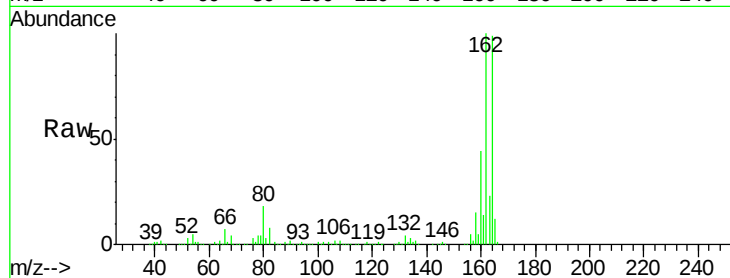
Tot Ion:165 Resp: 34873

Ion Ratio Lower Upper

165 100

63 0.9 41.7 62.5#

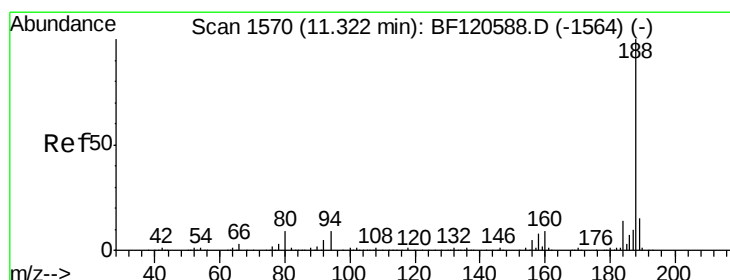
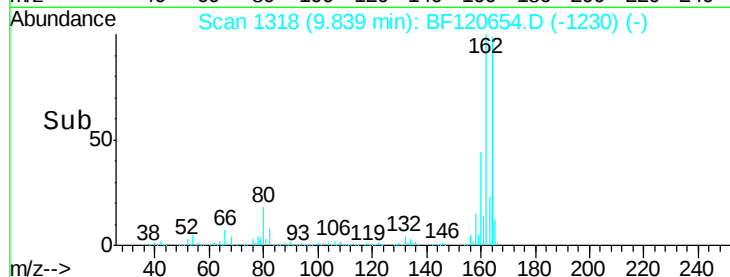
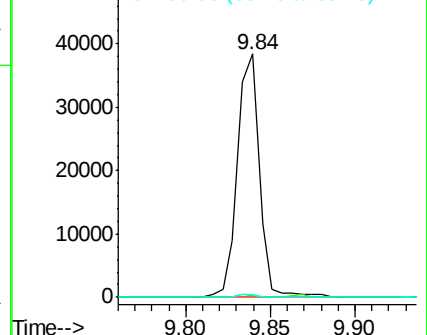
89 1.4 42.6 64.0#



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



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.32 min Scan# 1570

Delta R.T. 0.00 min

Lab File: BF120654.D

Acq: 18 Jun 2020 20:57

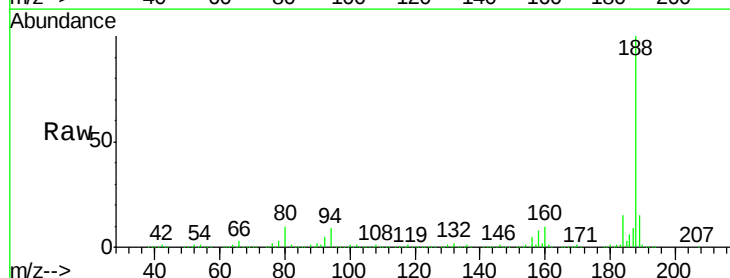
Tgt Ion:188 Resp: 511845

Ion Ratio Lower Upper

188 100

94 9.4 7.2 10.8

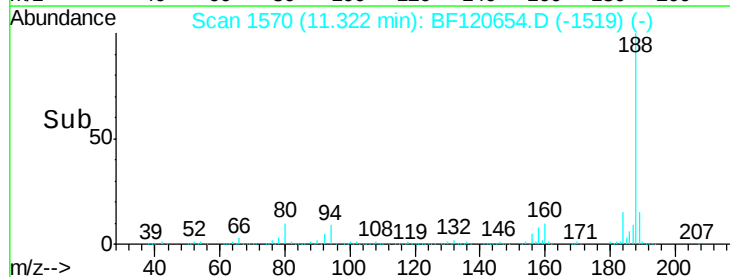
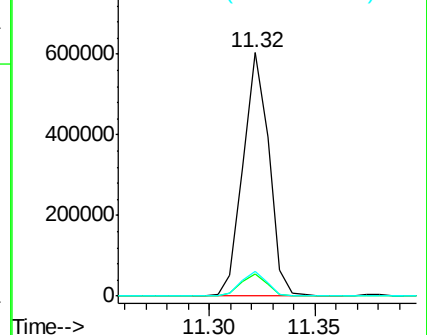
80 10.1 7.4 11.2

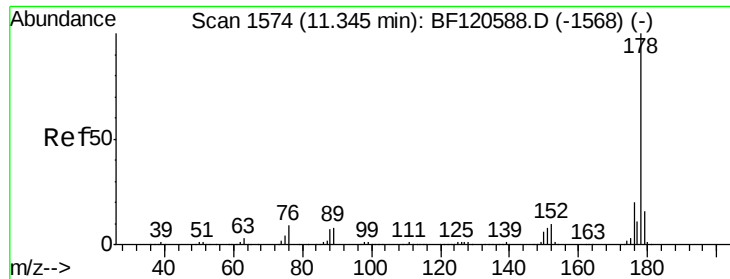


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF1

Ion 80.00 (79.70 to 80.70): BF1

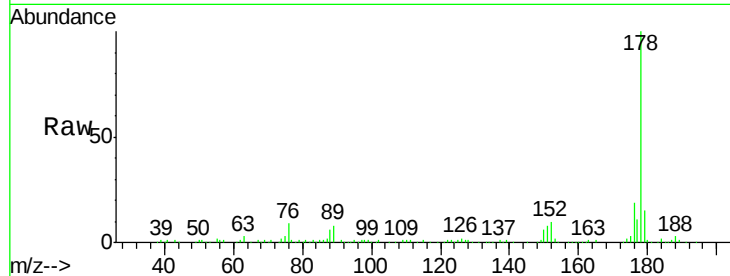




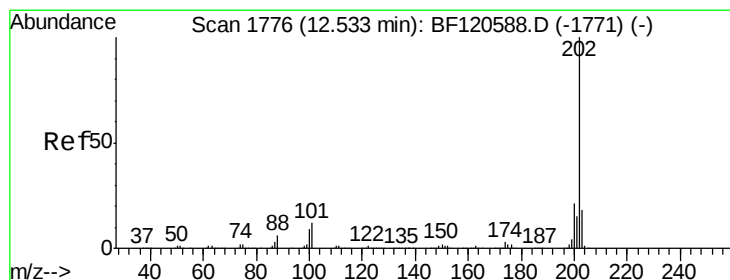
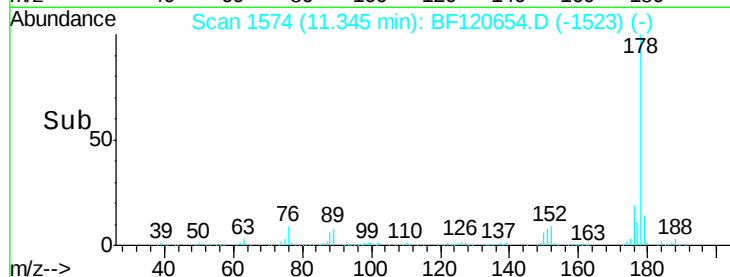
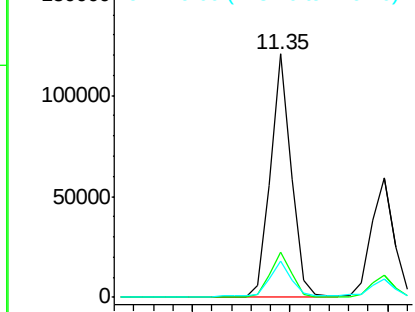
#71
Phenanthrene
Concen: 3.528 ng
RT: 11.35 min Scan# 1574
Delta R.T. 0.00 min
Lab File: BF120654.D
Acq: 18 Jun 2020 20:57

Instrument :
BNA_F
ClientSampleId :
HD-01-061720

Tot Ion:178 Resp: 89773
Ion Ratio Lower Upper
178 100
176 18.8 15.9 23.9
179 14.8 12.8 19.2

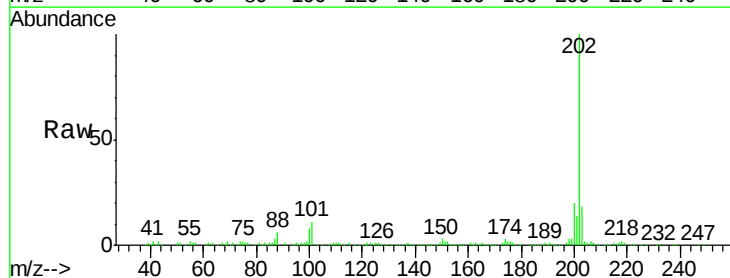


Abundance Ion 178.00 (177.70 to 178.70): E
Ion 176.00 (175.70 to 176.70): E
Ion 179.00 (178.70 to 179.70): E

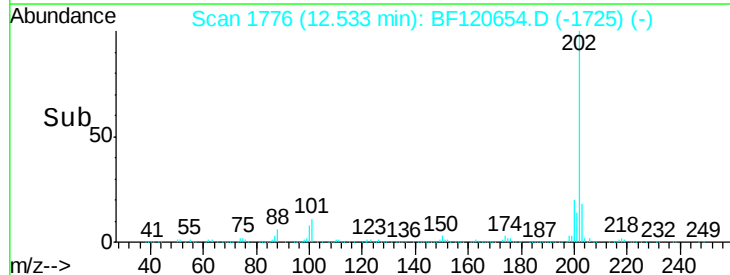
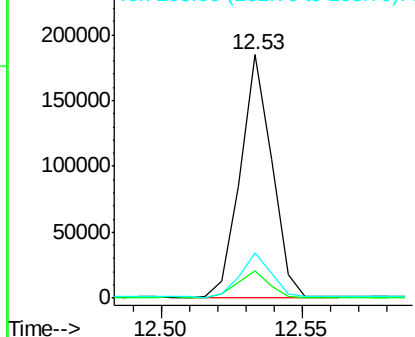


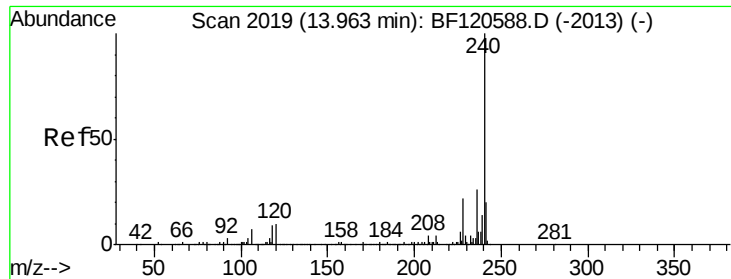
#75
Fluoranthene
Concen: 4.946 ng
RT: 12.53 min Scan# 1776
Delta R.T. 0.00 min
Lab File: BF120654.D
Acq: 18 Jun 2020 20:57

Tgt Ion:202 Resp: 143870
Ion Ratio Lower Upper
202 100
101 11.2 0.0 32.0
203 18.4 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: BF120654.D

Acq: 18 Jun 2020 20:57

Instrument :

BNA_F

ClientSampleId :

HD-01-061720

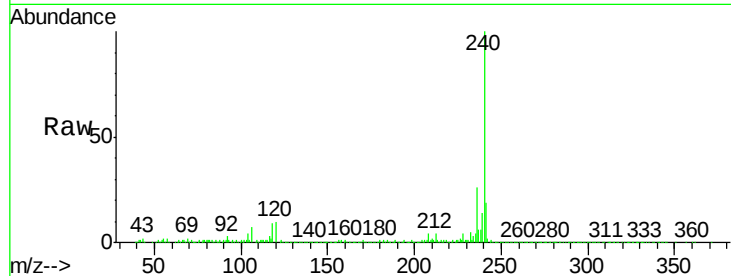
Tot Ion:240 Resp: 430496

Ion Ratio Lower Upper

240 100

120 10.1 8.3 12.5

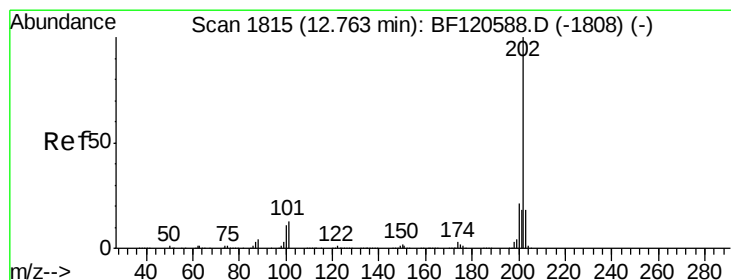
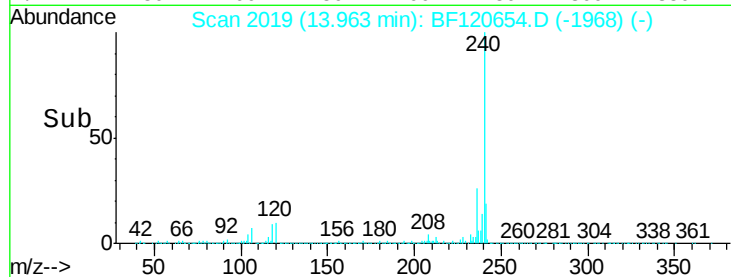
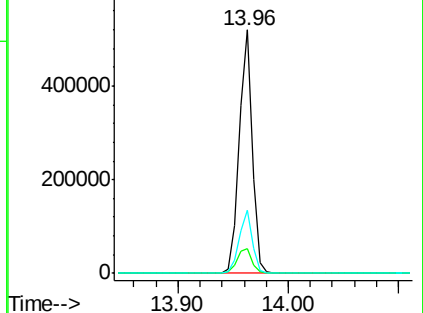
236 25.8 21.0 31.4



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

Pyrene

Concen: 6.060 ng

RT: 12.76 min Scan# 1815

Delta R.T. 0.00 min

Lab File: BF120654.D

Acq: 18 Jun 2020 20:57

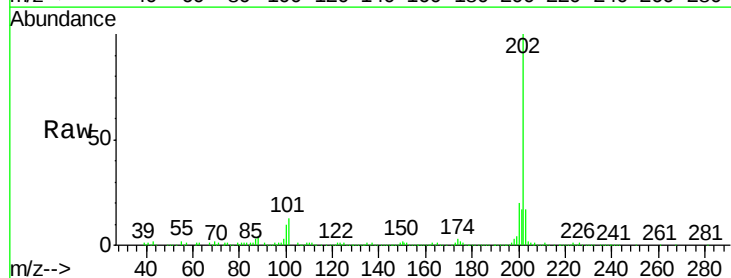
Tgt Ion:202 Resp: 184825

Ion Ratio Lower Upper

202 100

200 19.9 16.8 25.2

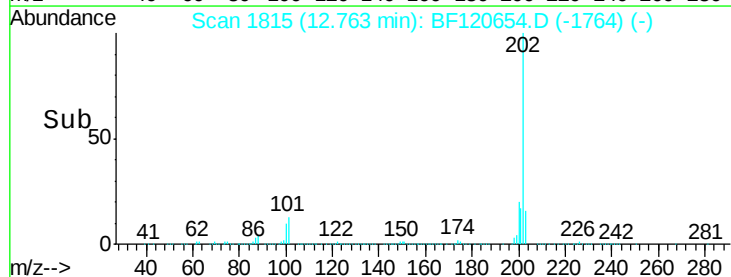
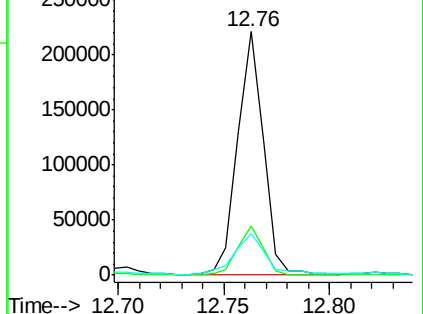
203 17.1 14.3 21.5

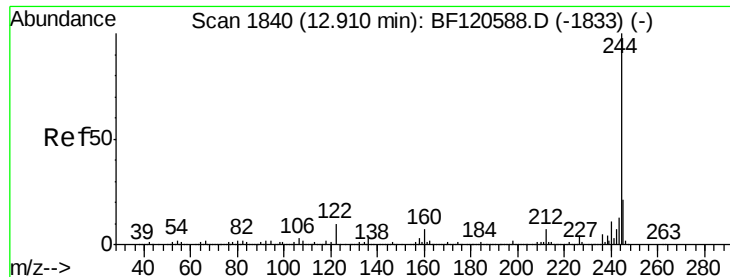


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#79

Terphenyl-d14

Concen: 37.949 ng

RT: 12.90 min Scan# 1839

Delta R.T. -0.01 min

Lab File: BF120654.D

Acq: 18 Jun 2020 20:57

Instrument :

BNA_F

ClientSampleId :

HD-01-061720

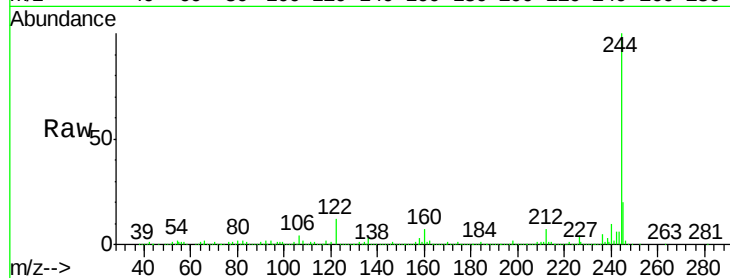
Tot Ion:244 Resp: 739605

Ion Ratio Lower Upper

244 100

212 6.6 5.7 8.5

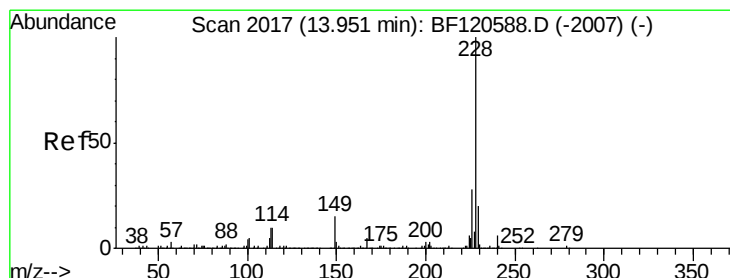
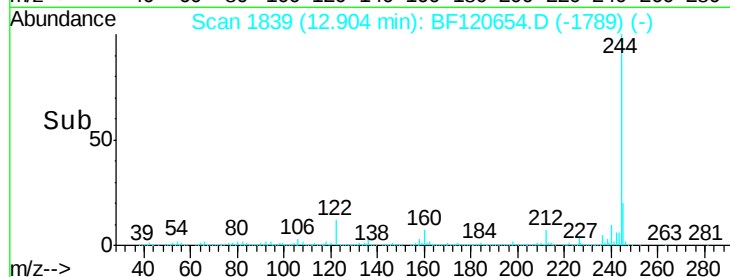
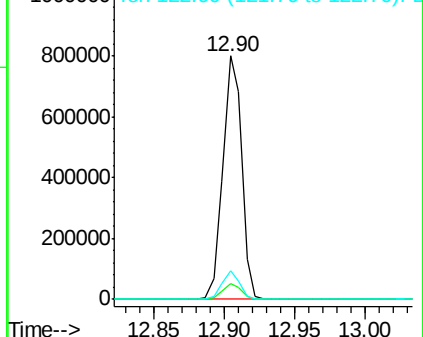
122 11.6 8.3 12.5



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: 3.394 ng

RT: 13.99 min Scan# 2023

Delta R.T. 0.04 min

Lab File: BF120654.D

Acq: 18 Jun 2020 20:57

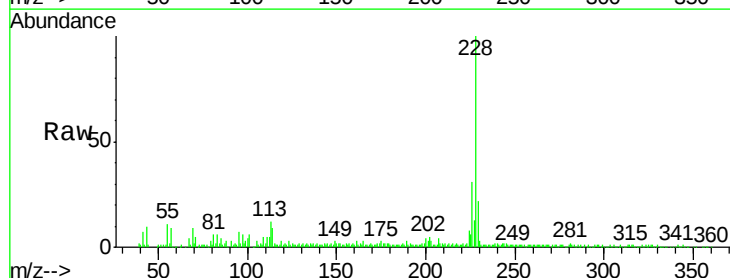
Tgt Ion:228 Resp: 87786

Ion Ratio Lower Upper

228 100

226 31.2 22.5 33.7

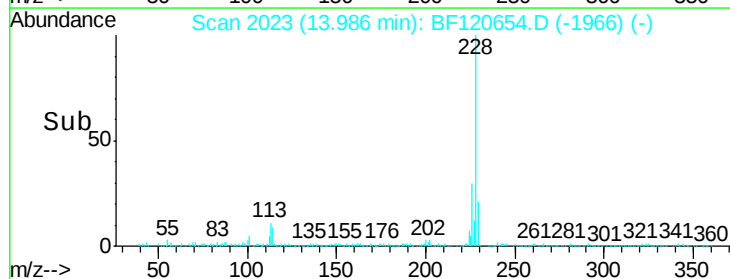
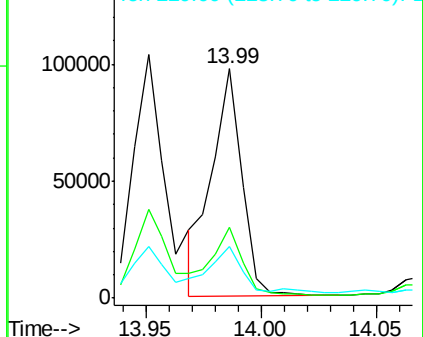
229 22.4 16.1 24.1

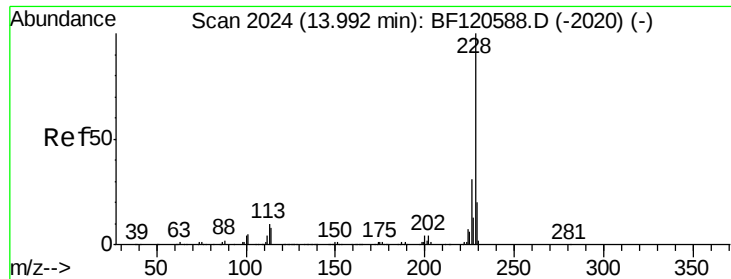


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

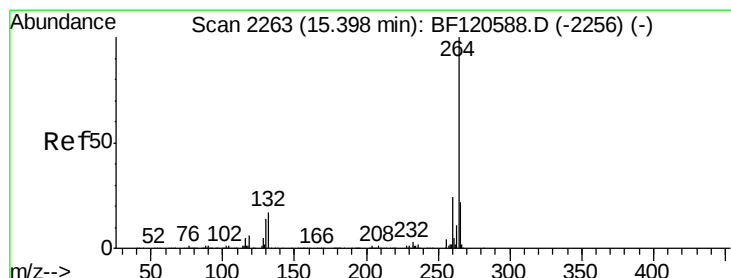
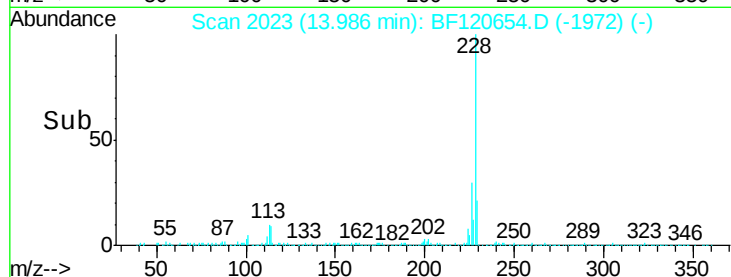
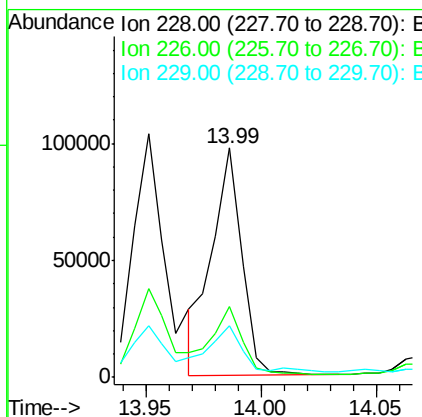
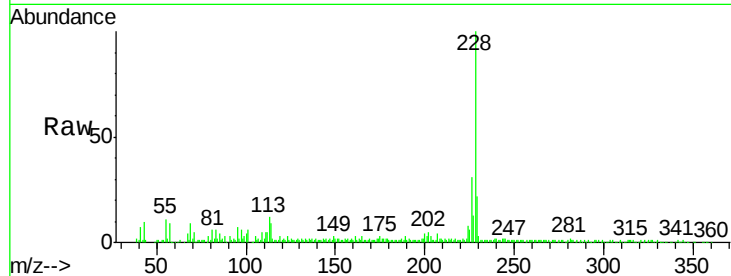




#83
Chrysene
Concen: 3.309 ng
RT: 13.99 min Scan# 2023
Delta R.T. 0.00 min
Lab File: BF120654.D
Acq: 18 Jun 2020 20:57

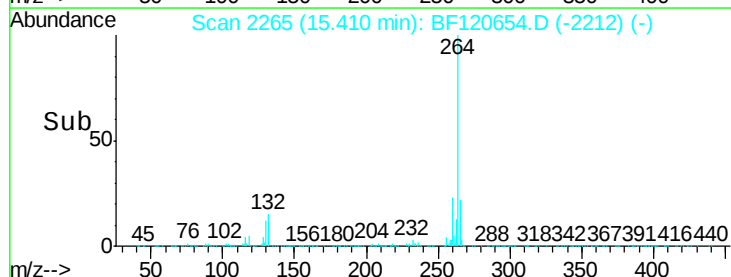
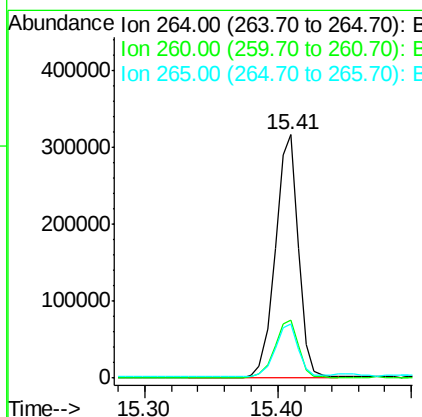
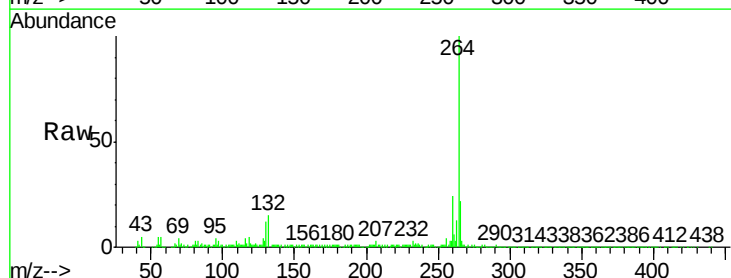
Instrument :
BNA_F
ClientSampleId :
HD-01-061720

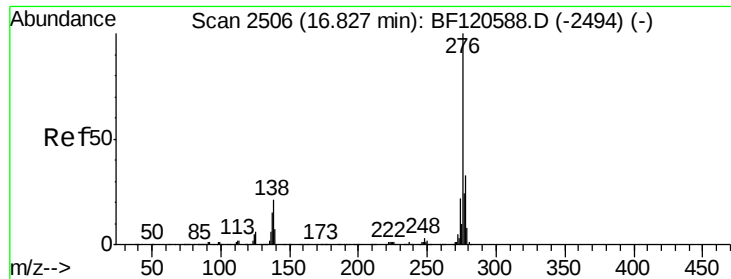
Tot Ion:228 Resp: 87786
Ion Ratio Lower Upper
228 100
226 31.2 24.9 37.3
229 22.4 16.1 24.1



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.41 min Scan# 2265
Delta R.T. 0.01 min
Lab File: BF120654.D
Acq: 18 Jun 2020 20:57

Tgt Ion:264 Resp: 380482
Ion Ratio Lower Upper
264 100
260 23.7 19.3 28.9
265 22.2 17.8 26.8

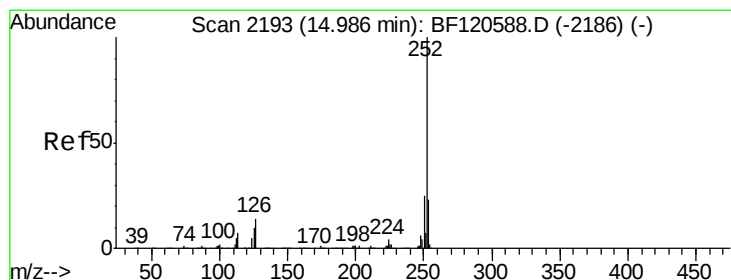
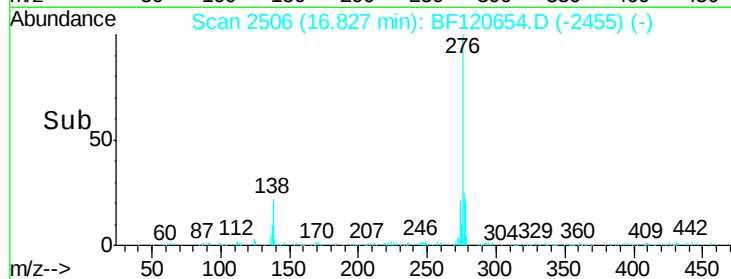
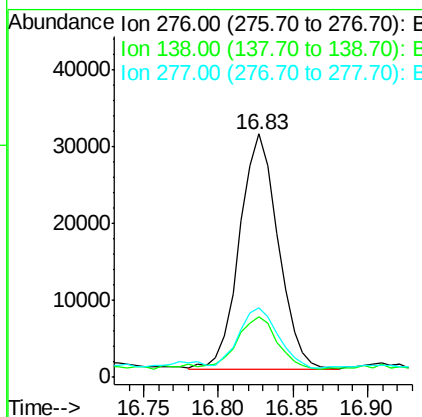
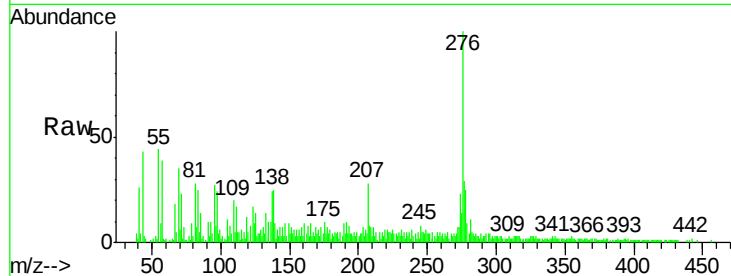




#87
 Indeno(1,2,3-cd)pyrene
 Concen: 2.378 ng
 RT: 16.83 min Scan# 2506
 Delta R.T. 0.00 min
 Lab File: BF120654.D
 Acq: 18 Jun 2020 20:57

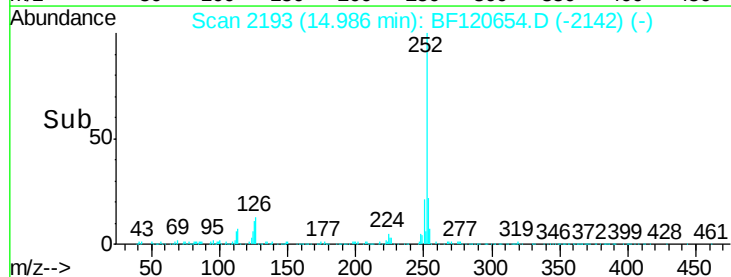
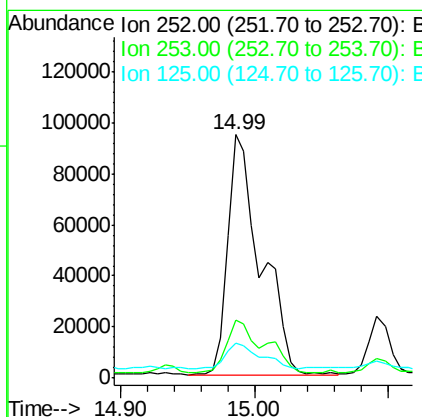
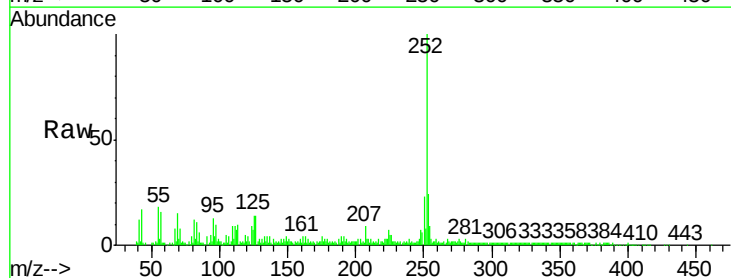
Instrument :
 BNA_F
 ClientSampleId :
 HD-01-061720

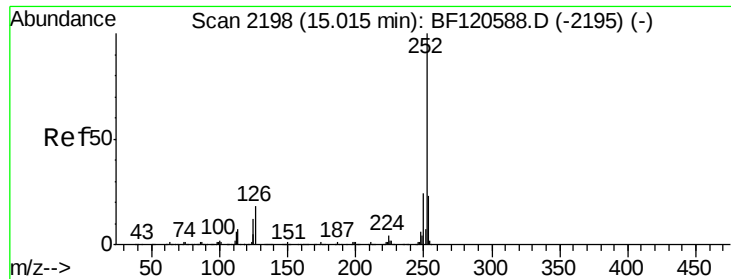
Tot Ion	Ratio	Lower	Upper
276	100		
138	23.1	18.9	28.3
277	25.6	20.2	30.2



#88
 Benzo(b)fluoranthene
 Concen: 7.230 ng
 RT: 14.99 min Scan# 2193
 Delta R.T. 0.00 min
 Lab File: BF120654.D
 Acq: 18 Jun 2020 20:57

Tgt Ion	Ratio	Lower	Upper
252	100		
253	24.0	18.1	27.1
125	14.5	8.3	12.5

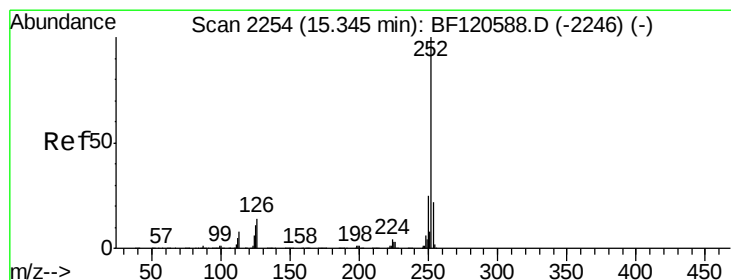
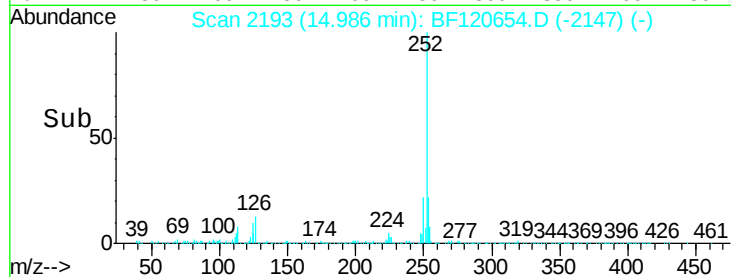
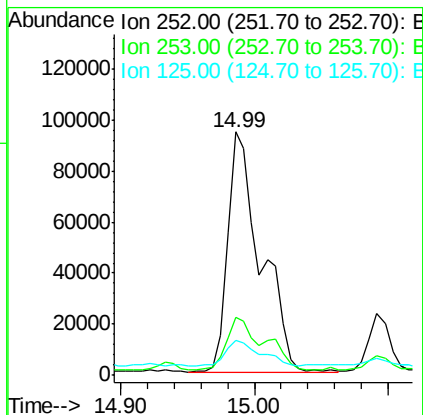
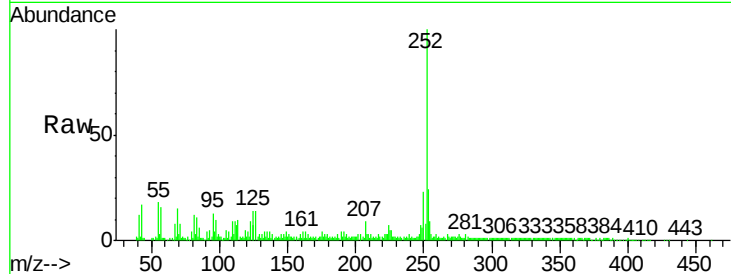




#89
Benzo(k)fluoranthene
Concen: 8.170 ng
RT: 14.99 min Scan# 2193
Delta R.T. -0.03 min
Lab File: BF120654.D
Acq: 18 Jun 2020 20:57

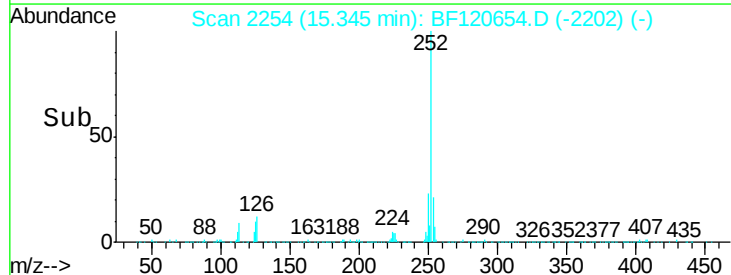
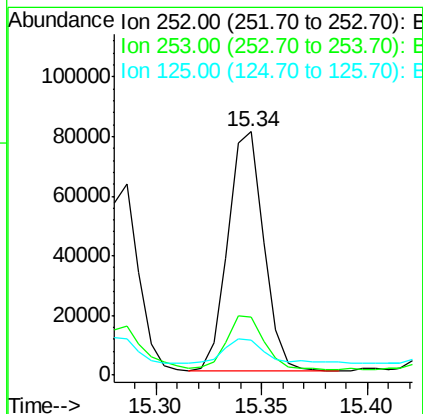
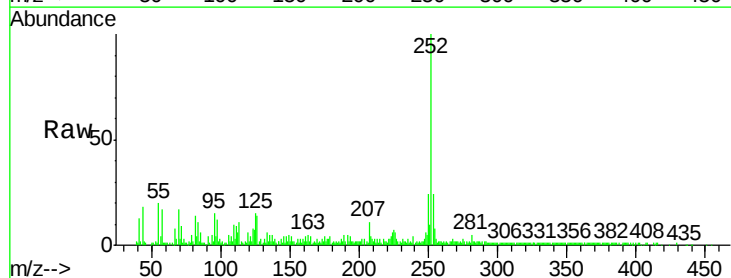
Instrument :
BNA_F
ClientSampleId :
HD-01-061720

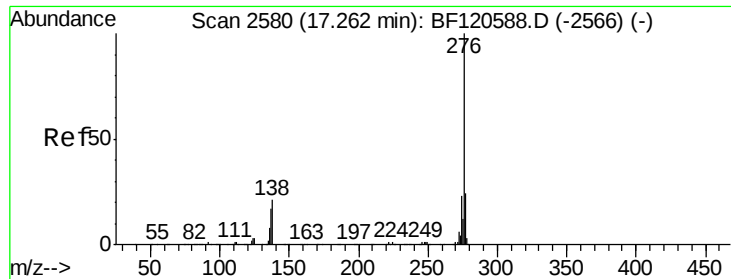
Tot Ion:252 Resp: 163857
Ion Ratio Lower Upper
252 100
253 24.0 18.0 27.0
125 14.5 8.3 12.5#



#90
Benzo(a)pyrene
Concen: 4.633 ng
RT: 15.34 min Scan# 2254
Delta R.T. 0.01 min
Lab File: BF120654.D
Acq: 18 Jun 2020 20:57

Tgt Ion:252 Resp: 93973
Ion Ratio Lower Upper
252 100
253 23.8 17.8 26.8
125 14.6 8.6 12.8#





#92

Benzo(a,h,i)perylene

Concen: 3.039 ng

RT: 17.26 min Scan# 2579

Delta R.T. 0.00 min

Lab File: BF120654.D

Acq: 18 Jun 2020 20:57

Instrument :

BNA_F

ClientSampleId :

HD-01-061720

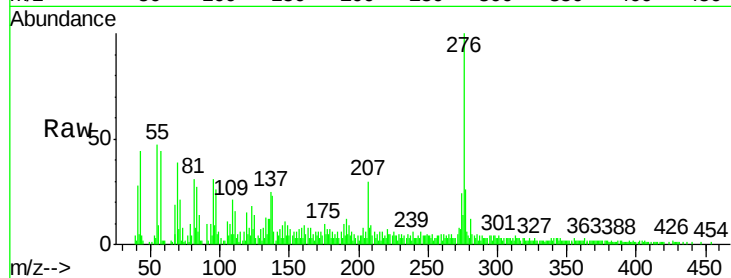
Tot Ion: 276 Resp: 56852

Ion Ratio Lower Upper

276 100

277 26.4 19.6 29.4

138 23.0 16.5 24.7



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

