

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF072420\
 Data File : BF121016.D
 Acq On : 24 Jul 2020 21:51
 Operator : JU/CG
 Sample : L3382-09
 Misc :
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Jul 24 23:50:52 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF071620.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Jul 16 14:20:32 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.82	152	149026	20.00	ng	0.00
21) Naphthalene-d8	8.10	136	513107	20.00	ng	0.00
39) Acenaphthene-d10	9.85	164	254649	20.00	ng	0.00
64) Phenanthrene-d10	11.33	188	441820	20.00	ng	0.00
76) Chrysene-d12	13.97	240	364248	20.00	ng	0.00
86) Perylene-d12	15.42	264	402860	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.43	112	799856	87.99	ng	0.00
7) Phenol-d6	6.45	99	952271	81.10	ng	0.00
23) Nitrobenzene-d5	7.37	82	591048	66.65	ng	0.00
42) 2,4,6-Tribromophenol	10.63	330	242464	86.99	ng	0.00
45) 2-Fluorobiphenyl	9.17	172	1153667	67.64	ng	0.00
79) Terphenyl-d14	12.92	244	948407	56.60	ng	0.00

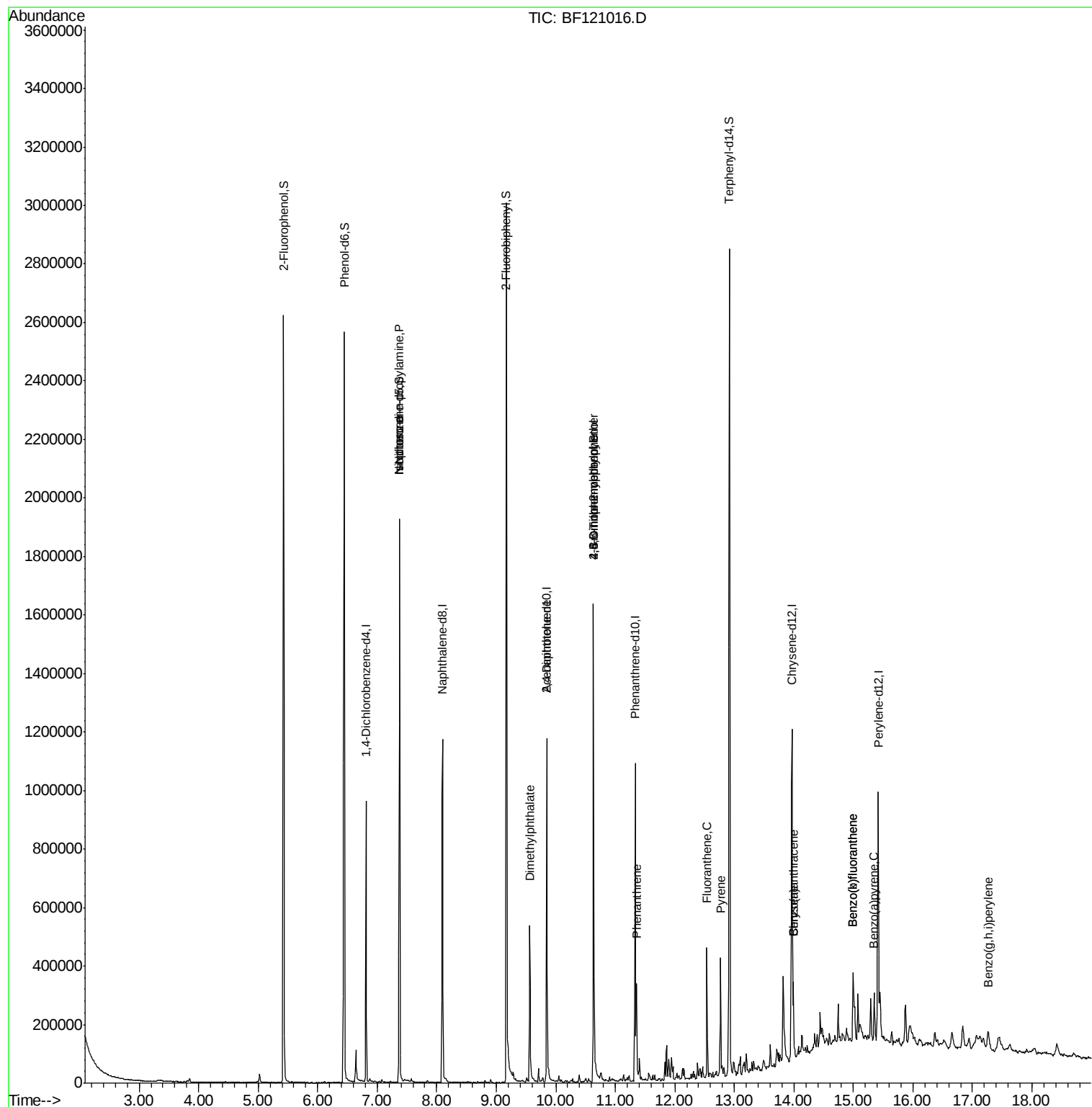
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) Benzaldehyde	6.36	77	112	Below Cal		# 49
19) n-Nitroso-di-n-propylamine	7.37	70	77438	11.597	ng	# 78
25) Isophorone	7.37	82	586356	33.132	ng	# 63
50) Dimethylphthalate	9.56	163	225804	12.291	ng	100
57) 2,4-Dinitrotoluene	9.85	165	32063	6.186	ng	# 28
65) 4,6-Dinitro-2-methylphenol	10.63	198	281	3.944	ng	# 1
67) 4-Bromophenyl-phenylether	10.63	248	14044	2.851	ng	# 1
71) Phenanthrene	11.36	178	118746	5.226	ng	97
75) Fluoranthene	12.55	202	192979	7.662	ng	96
78) Pyrene	12.77	202	167130	6.490	ng	98
81) Benzo(a)anthracene	13.99	228	94618	4.290	ng	99
83) Chrysene	13.99	228	94618	4.082	ng	96
88) Benzo(b)fluoranthene	14.99	252	181012	7.433	ng	98
89) Benzo(k)fluoranthene	14.99	252	181012	8.151	ng	98
90) Benzo(a)pyrene	15.35	252	82691	3.722	ng	97
92) Benzo(g,h,i)perylene	17.26	276	47222	2.093	ng	95

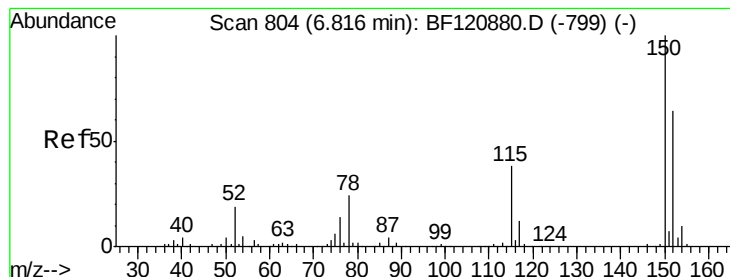
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF072420\
Data File : BF121016.D
Acq On : 24 Jul 2020 21:51
Operator : JU/CG
Sample : L3382-09
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :

Quant Time: Jul 24 23:50:52 2020
Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF071620.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Jul 16 14:20:32 2020
Response via : Initial Calibration



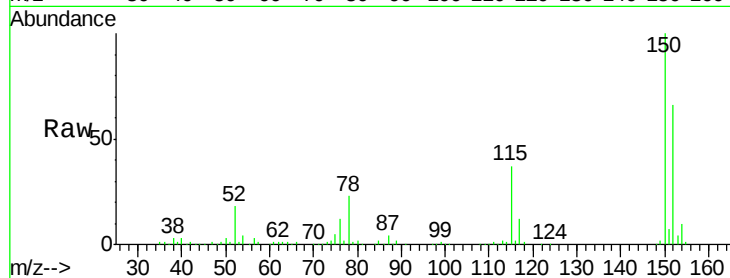


#1

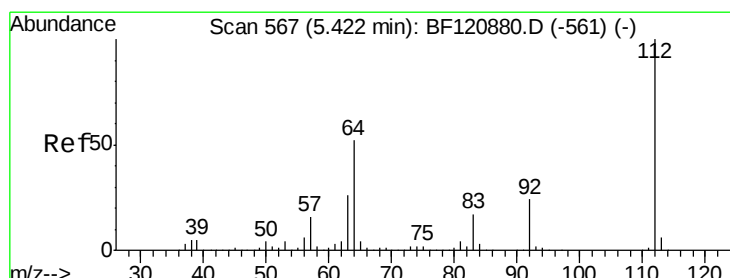
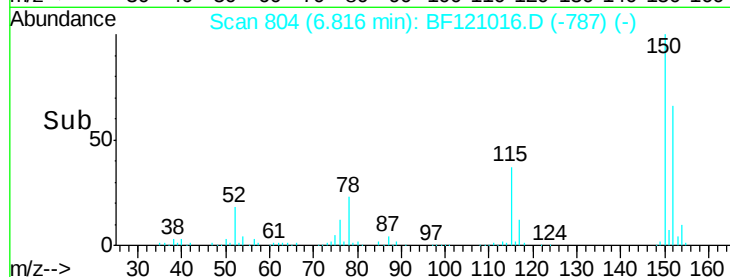
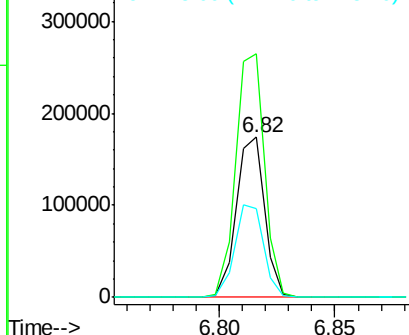
1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.82 min Scan# 804
 Delta R.T. 0.00 min
 Lab File: BF121016.D
 Acq: 24 Jul 2020 21:51

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:152 Resp: 149026
 Ion Ratio Lower Upper
 152 100
 150 152.1 125.0 187.6
 115 55.6 47.0 70.4



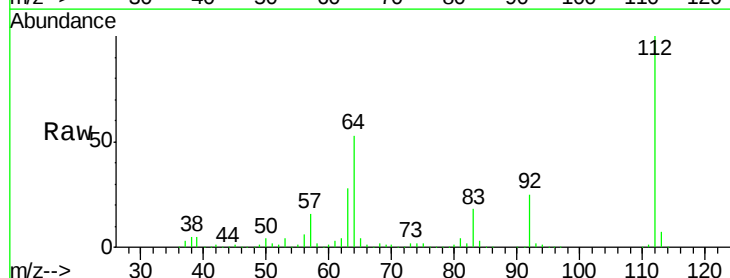
Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E



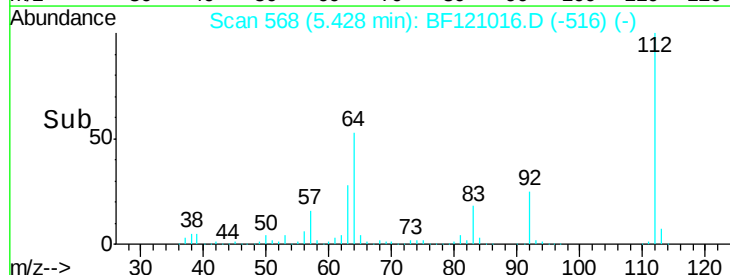
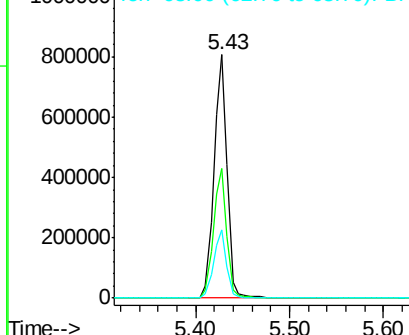
#5

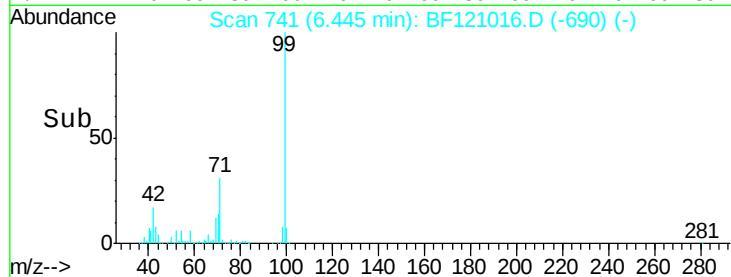
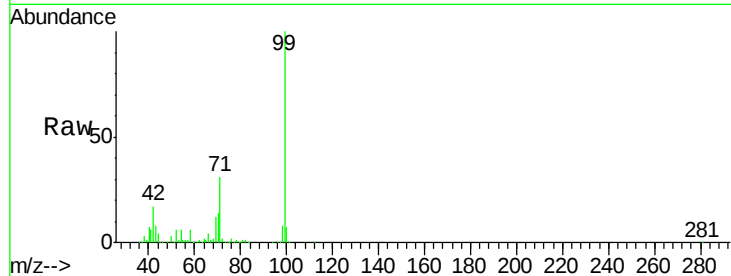
2-Fluorophenol
 Concen: 87.988 ng
 RT: 5.43 min Scan# 568
 Delta R.T. 0.01 min
 Lab File: BF121016.D
 Acq: 24 Jul 2020 21:51

Tgt Ion:112 Resp: 799856
 Ion Ratio Lower Upper
 112 100
 64 53.3 41.3 61.9
 63 27.9 21.1 31.7



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: 81.095 ng

RT: 6.45 min Scan# 741

Delta R.T. 0.00 min

Lab File: BF121016.D

Acq: 24 Jul 2020 21:51

Instrument :

BNA_F

ClientSampleId :

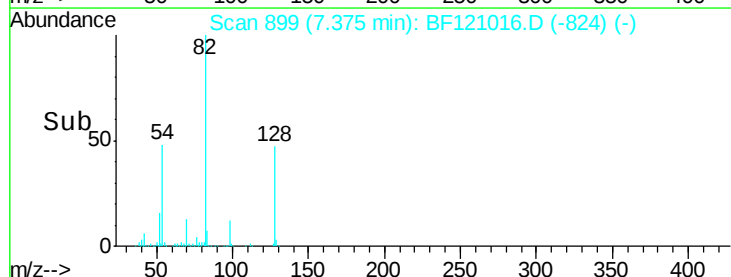
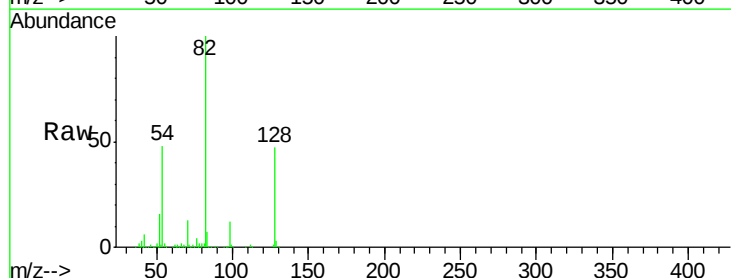
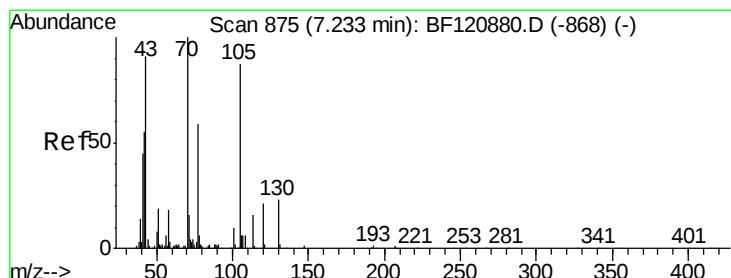
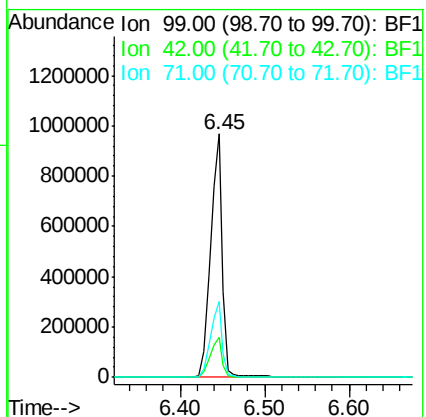
Tot Ion: 99 Resp: 952271

Ion Ratio Lower Upper

99 100

42 16.7 13.1 19.7

71 31.2 24.2 36.4



#19

n-Nitroso-di-n-propylamine

Concen: 11.597 ng

RT: 7.37 min Scan# 899

Delta R.T. 0.14 min

Lab File: BF121016.D

Acq: 24 Jul 2020 21:51

Tgt Ion: 70 Resp: 77438

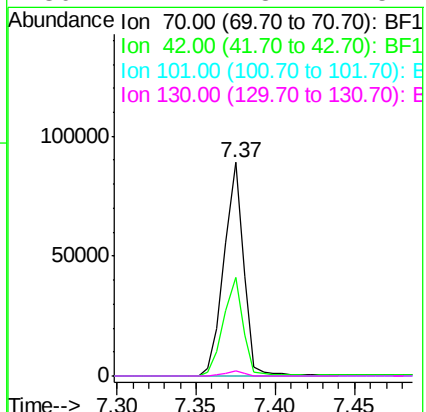
Ion Ratio Lower Upper

70 100

42 46.1 44.0 66.0

101 0.0 7.8 11.6#

130 2.2 18.7 28.1#

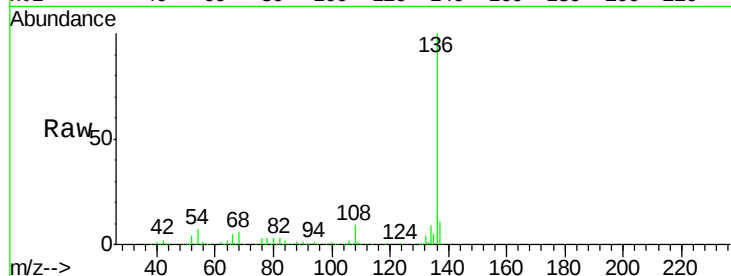




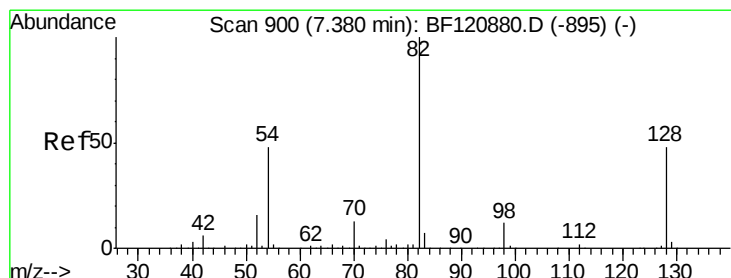
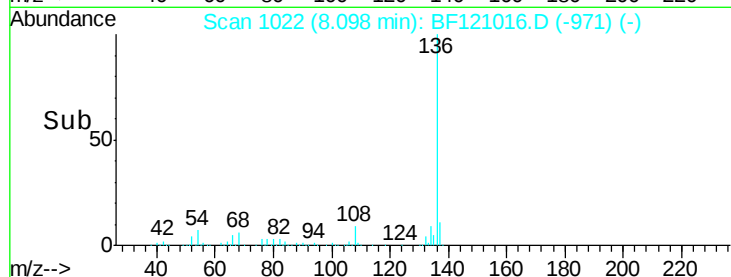
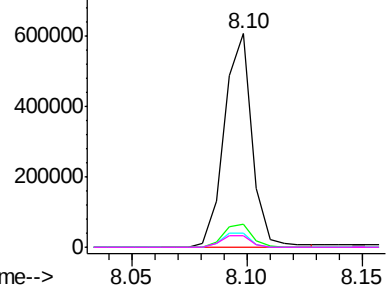
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.10 min Scan# 1022
Delta R.T. 0.00 min
Lab File: BF121016.D
Acq: 24 Jul 2020 21:51

Instrument :
BNA_F
ClientSampleId :

Tot Ion:136	Resp:	513107
Ion	Ratio	Lower Upper
136	100	
137	10.7	9.3 13.9
54	6.7	6.3 9.5
68	5.6	5.0 7.4

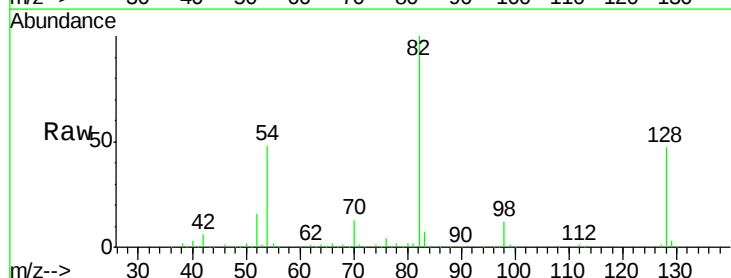


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF1
Ion 68.00 (67.70 to 68.70): BF1

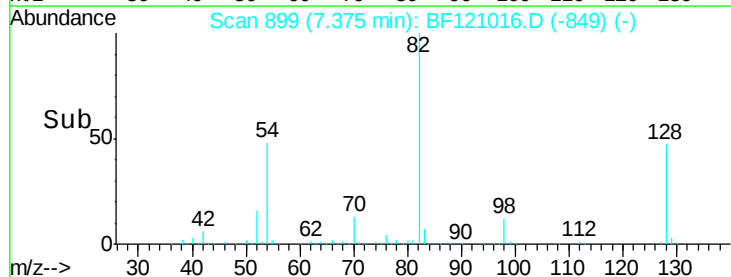
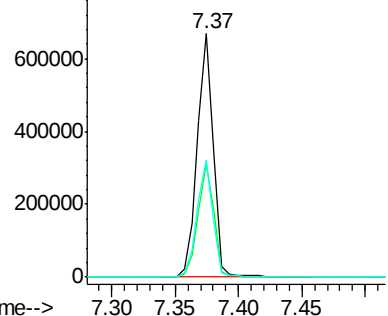


#23
Nitrobenzene-d5
Concen: 66.652 ng
RT: 7.37 min Scan# 899
Delta R.T. -0.01 min
Lab File: BF121016.D
Acq: 24 Jul 2020 21:51

Tgt Ion: 82	Resp:	591048
Ion	Ratio	Lower Upper
82	100	
128	46.7	38.2 57.4
54	48.0	38.7 58.1



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

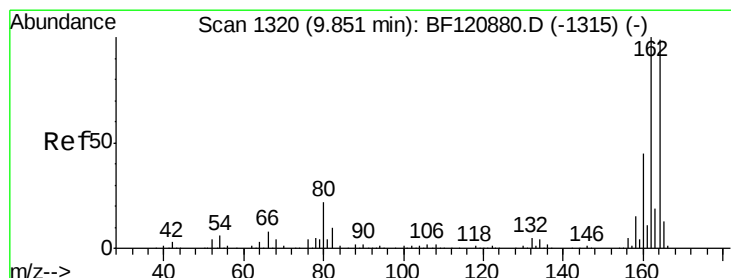
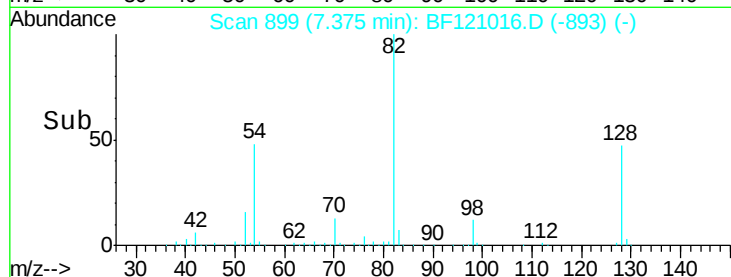
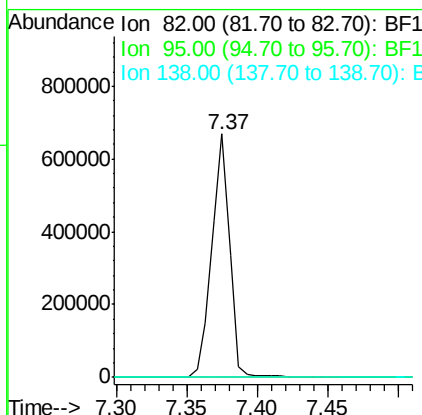
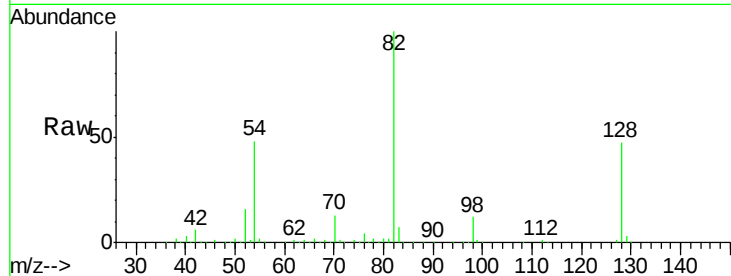




#25
Isophorone
Concen: 33.132 ng
RT: 7.37 min Scan# 899
Delta R.T. -0.26 min
Lab File: BF121016.D
Acq: 24 Jul 2020 21:51

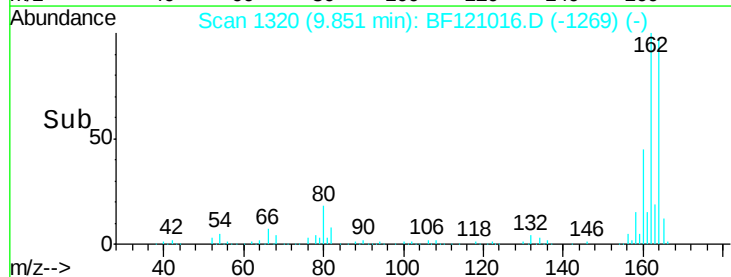
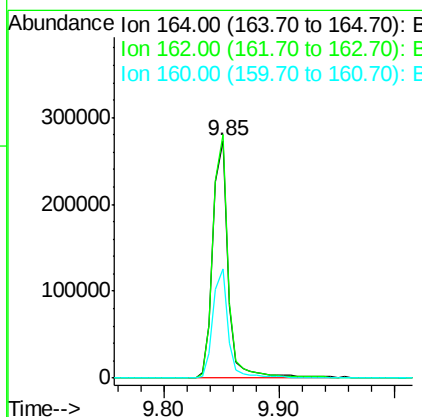
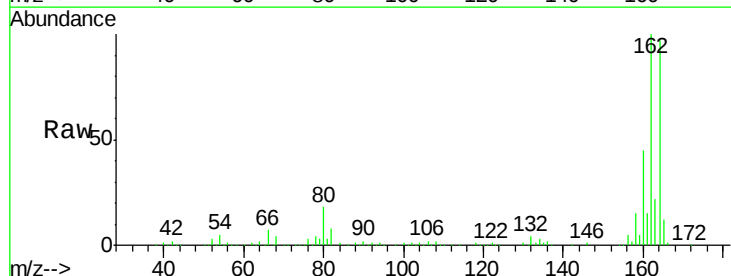
Instrument :
BNA_F
ClientSampleId :

Tot Ion: 82 Resp: 586356
Ion Ratio Lower Upper
82 100
95 0.0 5.5 8.3#
138 0.0 15.6 23.4#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.85 min Scan# 1320
Delta R.T. 0.00 min
Lab File: BF121016.D
Acq: 24 Jul 2020 21:51

Tgt Ion:164 Resp: 254649
Ion Ratio Lower Upper
164 100
162 102.6 81.2 121.8
160 45.9 36.9 55.3





#42

2,4,6-Tribromophenol

Concen: 86.986 ng

RT: 10.63 min Scan# 1453

Delta R.T. -0.01 min

Lab File: BF121016.D

Acq: 24 Jul 2020 21:51

Instrument :

BNA_F

ClientSampleId :

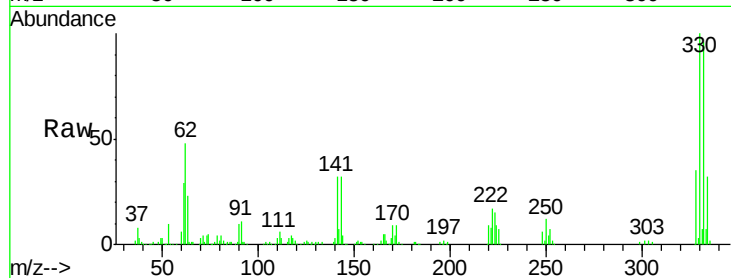
Tot Ion:330 Resp: 242464

Ion Ratio Lower Upper

330 100

332 93.1 75.5 113.3

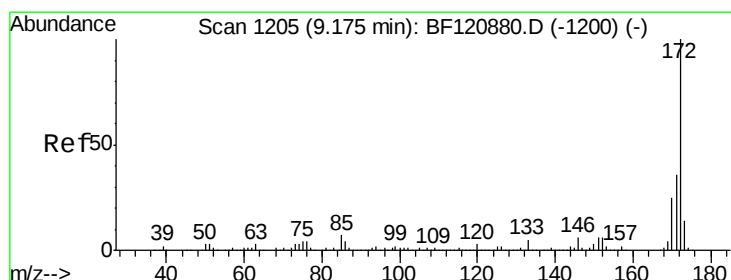
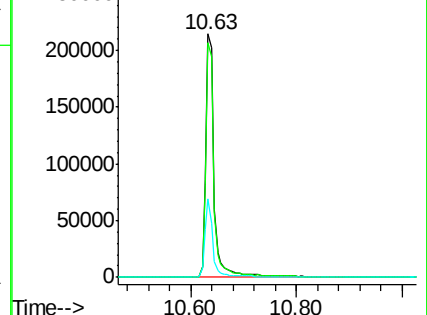
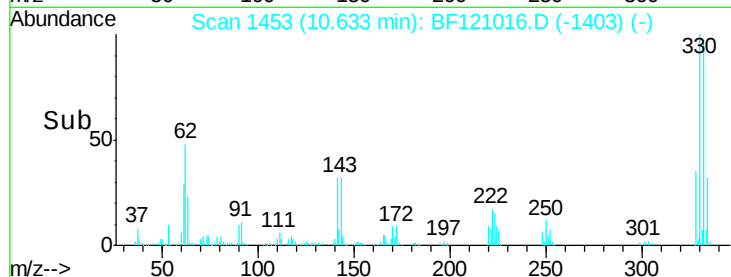
141 30.7 25.7 38.5



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: 67.641 ng

RT: 9.17 min Scan# 1205

Delta R.T. 0.00 min

Lab File: BF121016.D

Acq: 24 Jul 2020 21:51

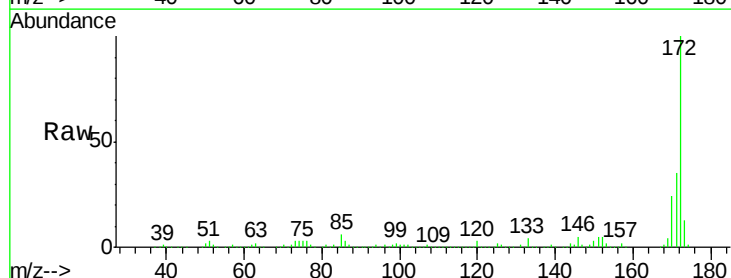
Tgt Ion:172 Resp: 1153667

Ion Ratio Lower Upper

172 100

171 35.2 29.0 43.4

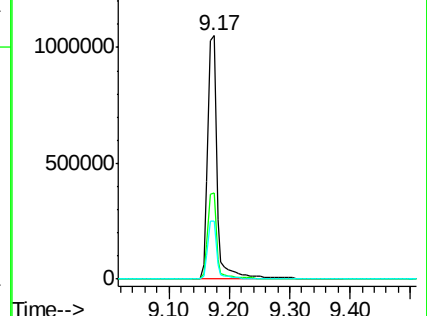
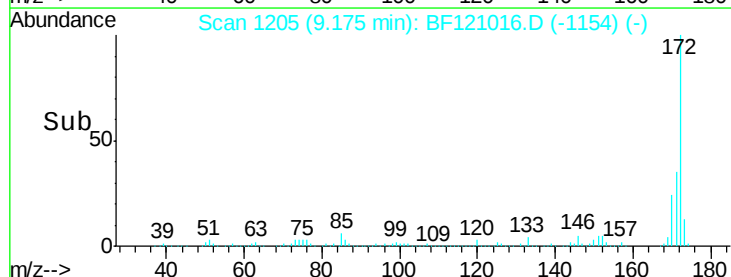
170 23.9 19.6 29.4

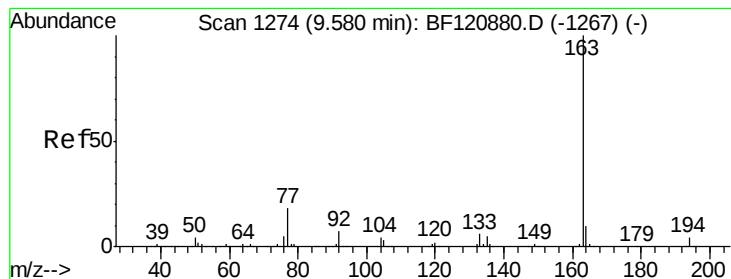


Abundance Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E





#50

Dimethylphthalate

Concen: 12.291 ng

RT: 9.56 min Scan# 1271

Delta R.T. -0.02 min

Lab File: BF121016.D

Acq: 24 Jul 2020 21:51

Instrument :

BNA_F

ClientSampleId :

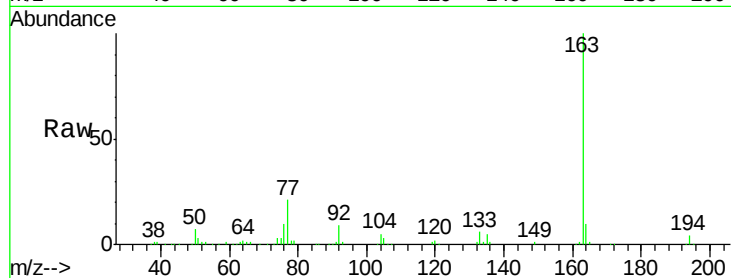
Tot Ion:163 Resp: 225804

Ion Ratio Lower Upper

163 100

194 3.6 3.2 4.8

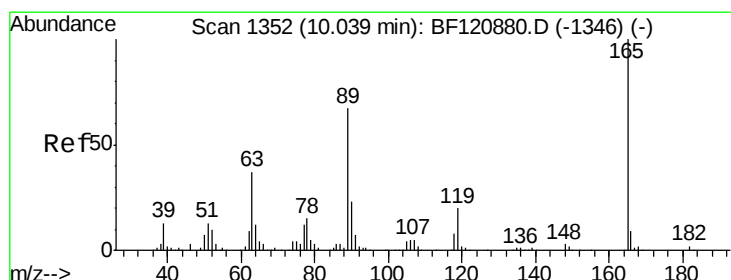
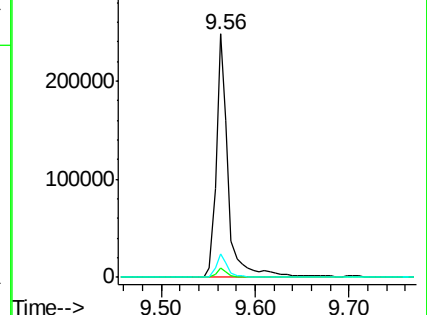
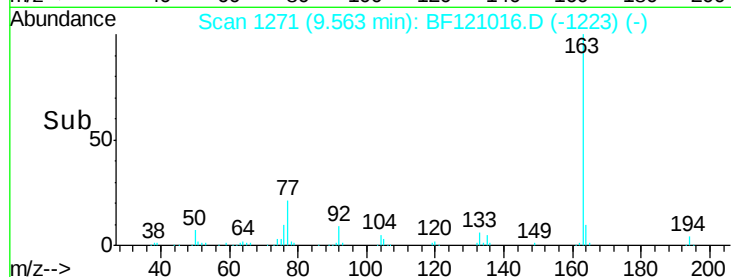
164 9.9 7.9 11.9



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



#57

2,4-Dinitrotoluene

Concen: 6.186 ng

RT: 9.85 min Scan# 1320

Delta R.T. -0.19 min

Lab File: BF121016.D

Acq: 24 Jul 2020 21:51

Tgt Ion:165 Resp: 32063

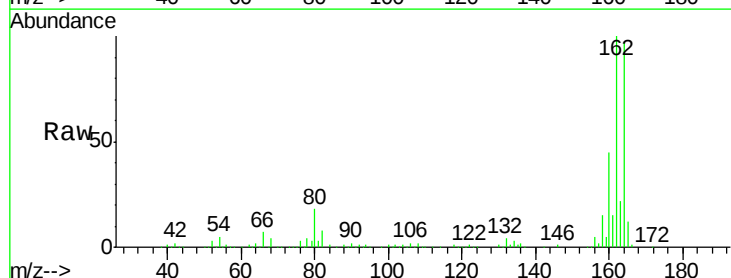
Ion Ratio Lower Upper

165 100

63 1.3 29.4 44.2#

89 1.7 53.4 80.0#

182 0.0 1.8 2.6#

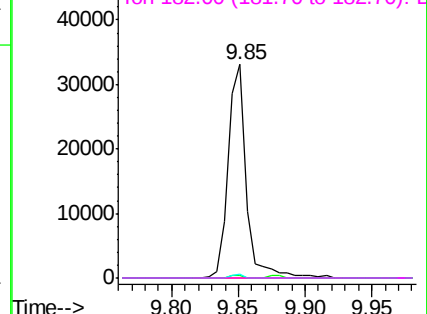
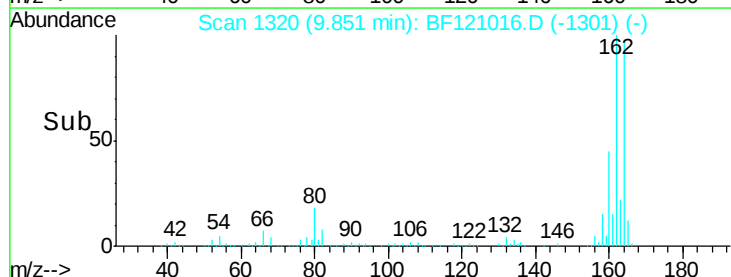


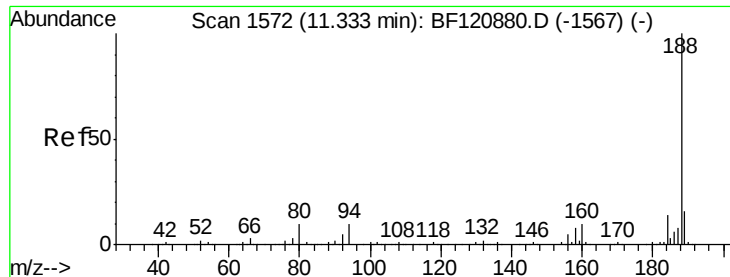
Abundance Ion 165.00 (164.70 to 165.70): E

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

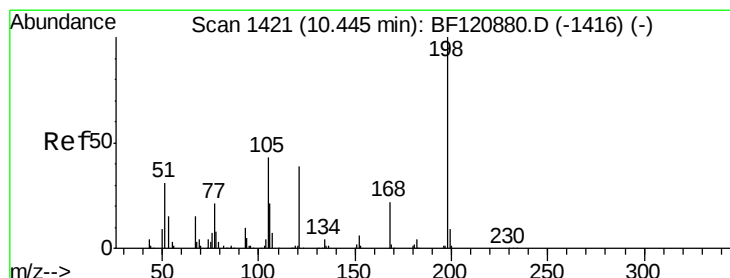
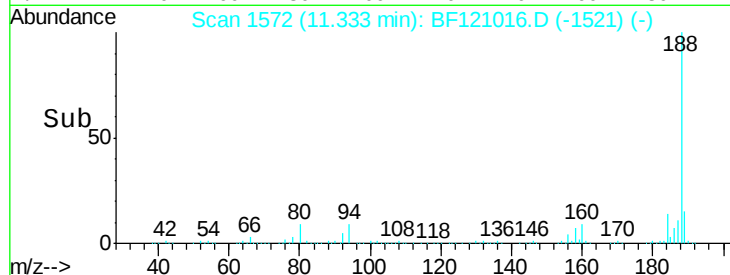
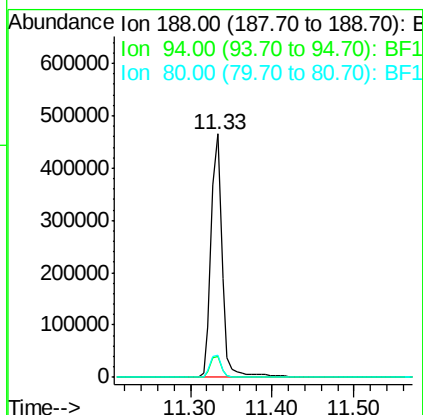
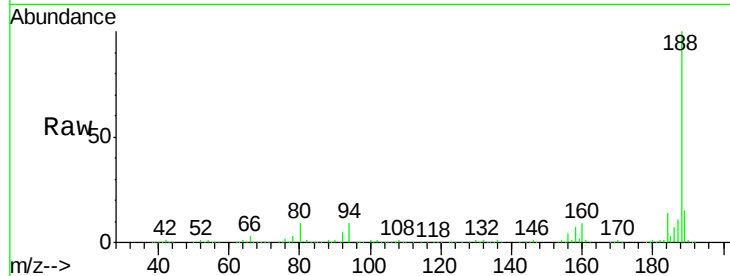




#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.33 min Scan# 1572
 Delta R.T. 0.00 min
 Lab File: BF121016.D
 Acq: 24 Jul 2020 21:51

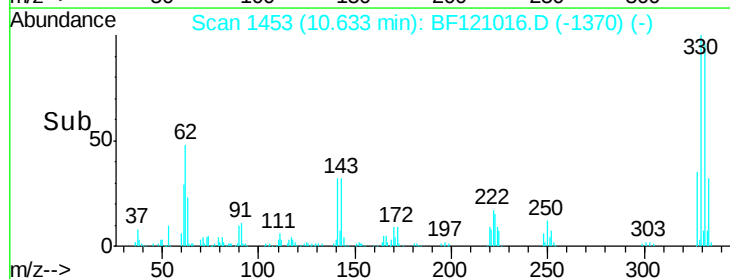
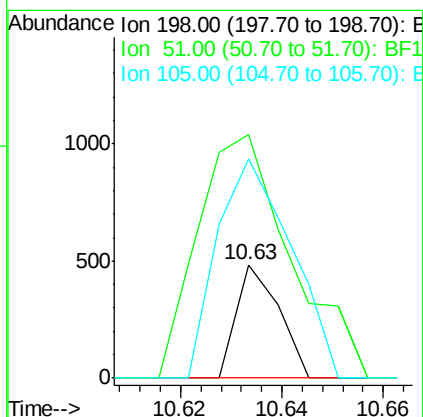
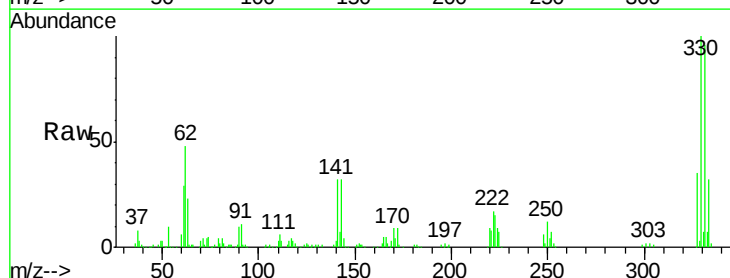
Instrument :
 BNA_F
 ClientSampleId :

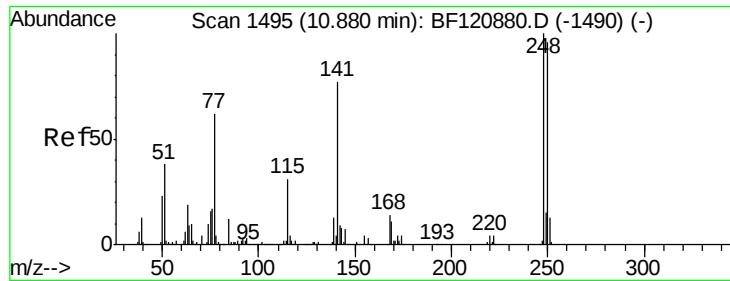
Tot Ion:188 Resp: 441820
 Ion Ratio Lower Upper
 188 100
 94 8.7 8.0 12.0
 80 8.9 8.3 12.5



#65
 4,6-Dinitro-2-methylphenol
 Concen: 3.944 ng
 RT: 10.63 min Scan# 1453
 Delta R.T. 0.19 min
 Lab File: BF121016.D
 Acq: 24 Jul 2020 21:51

Tgt Ion:198 Resp: 281
 Ion Ratio Lower Upper
 198 100
 51 214.7 19.5 59.5#
 105 193.6 24.4 64.4#

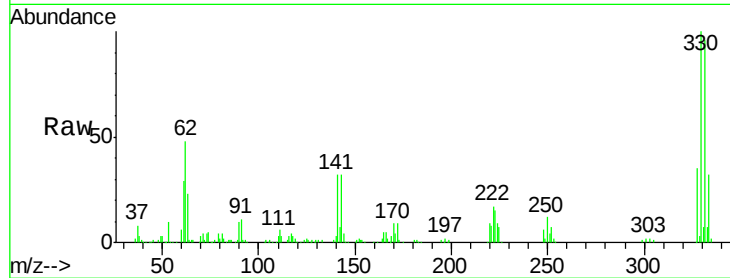




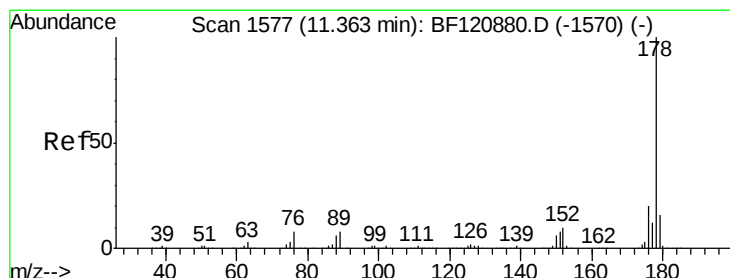
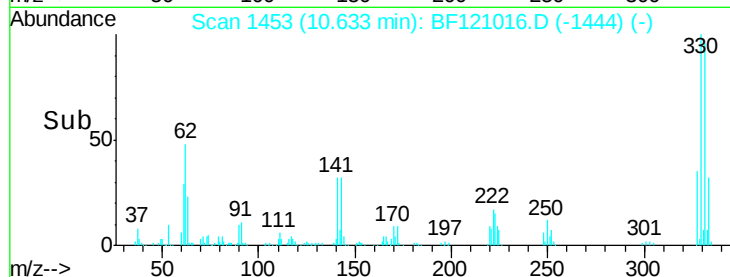
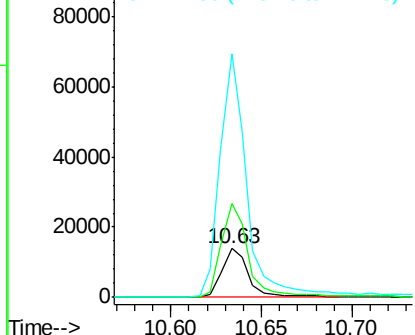
#67
 4-Bromophenyl-phenylether
 Concen: 2.851 ng
 RT: 10.63 min Scan# 1453
 Delta R.T. -0.25 min
 Lab File: BF121016.D
 Acq: 24 Jul 2020 21:51

Instrument :
 BNA_F
 ClientSampled :

Tot Ion:248 Resp: 14044
 Ion Ratio Lower Upper
 248 100
 250 193.6 77.1 115.7#
 141 501.7 61.2 91.8#

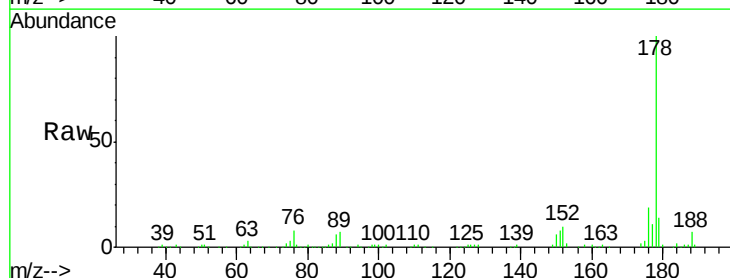


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

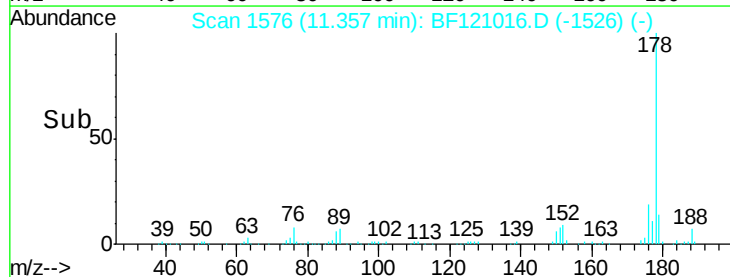
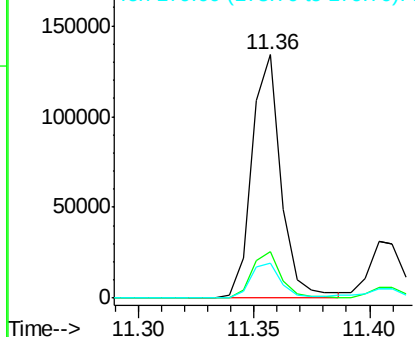


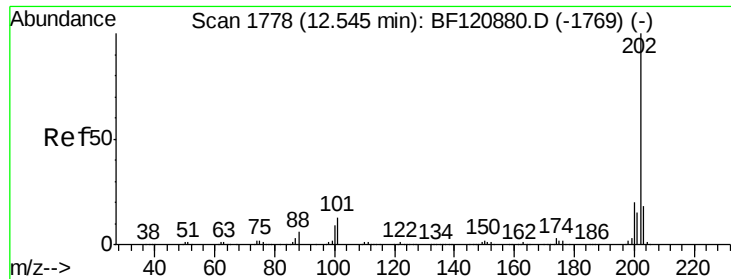
#71
 Phenanthrene
 Concen: 5.226 ng
 RT: 11.36 min Scan# 1576
 Delta R.T. -0.01 min
 Lab File: BF121016.D
 Acq: 24 Jul 2020 21:51

Tgt Ion:178 Resp: 118746
 Ion Ratio Lower Upper
 178 100
 176 19.1 16.2 24.4
 179 14.4 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: 7.662 ng

RT: 12.55 min Scan# 1778

Delta R.T. 0.00 min

Lab File: BF121016.D

Acq: 24 Jul 2020 21:51

Instrument :

BNA_F

ClientSampled :

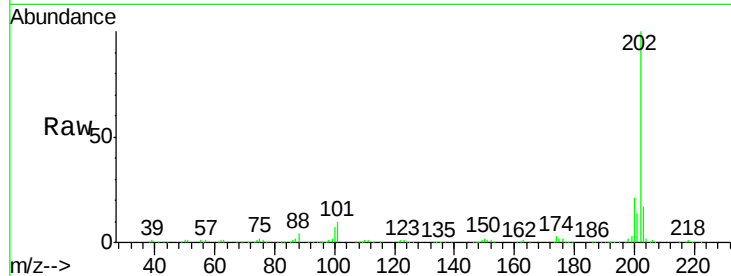
Tot Ion:202 Resp: 192979

Ion Ratio Lower Upper

202 100

101 9.8 0.0 32.7

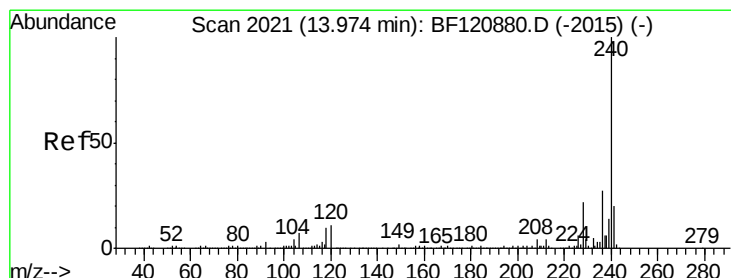
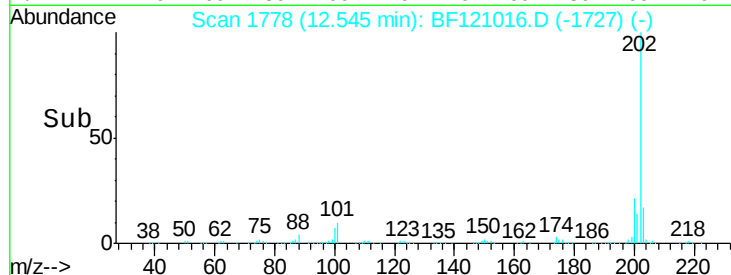
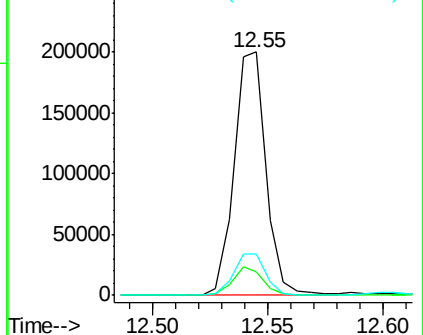
203 17.0 0.0 38.0



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: 13.97 min Scan# 2020

Delta R.T. -0.01 min

Lab File: BF121016.D

Acq: 24 Jul 2020 21:51

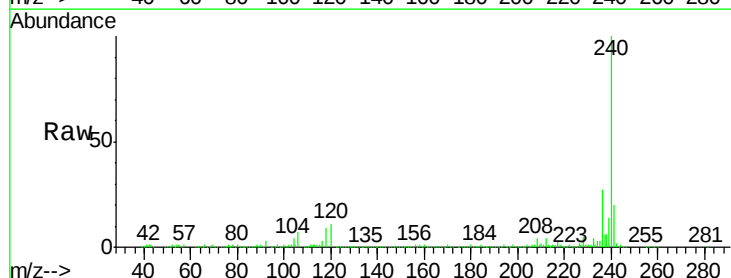
Tgt Ion:240 Resp: 364248

Ion Ratio Lower Upper

240 100

120 10.6 9.0 13.4

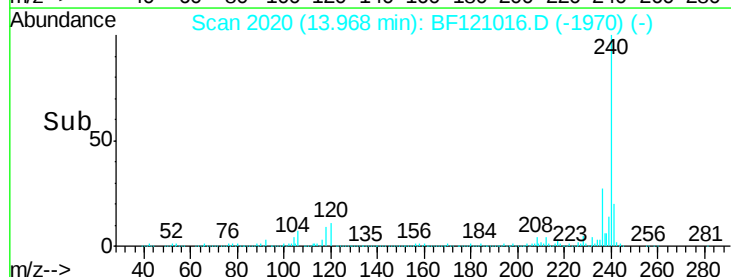
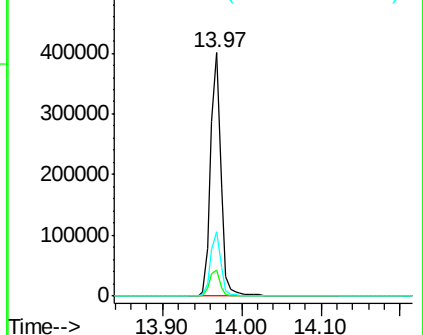
236 26.5 21.7 32.5

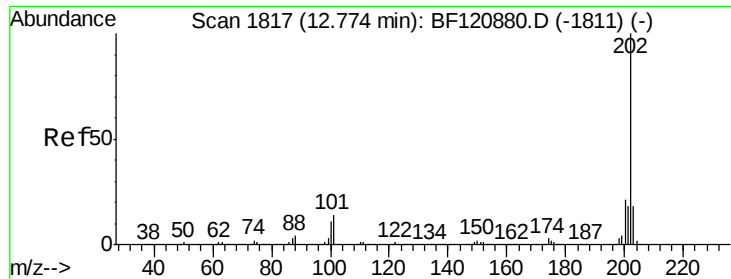


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E

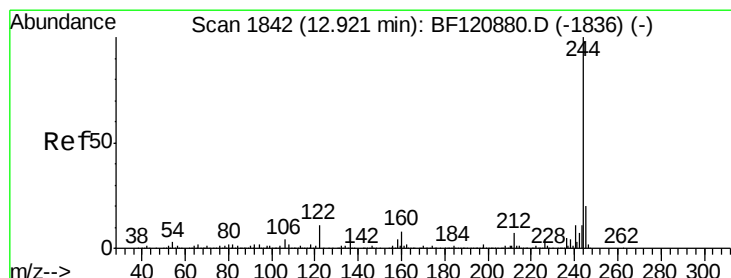
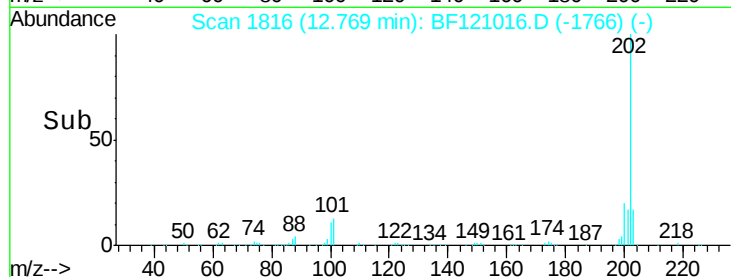
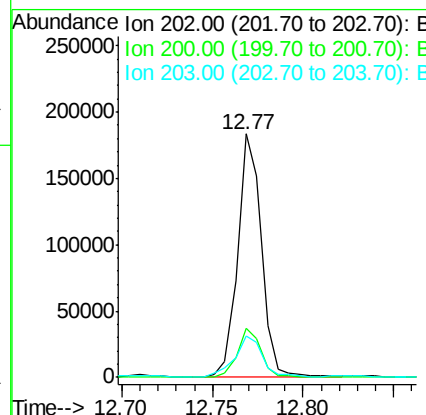
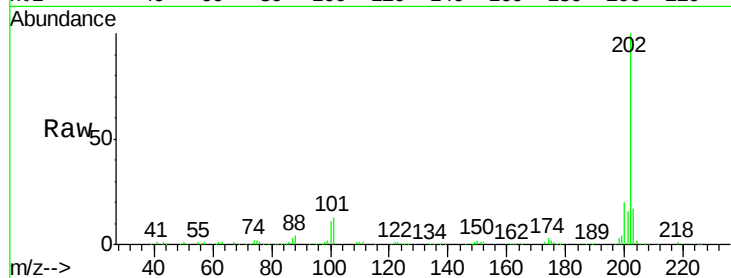




#78
Pvrene
Concen: 6.490 ng
RT: 12.77 min Scan# 1816
Delta R.T. -0.01 min
Lab File: BF121016.D
Acq: 24 Jul 2020 21:51

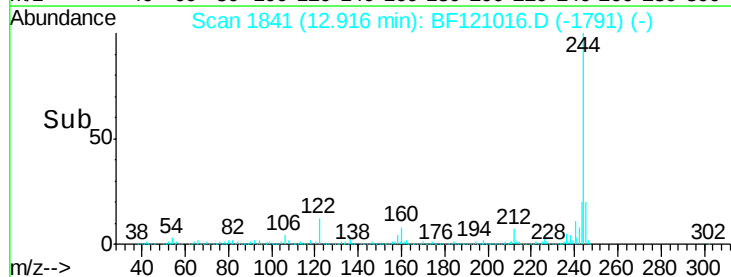
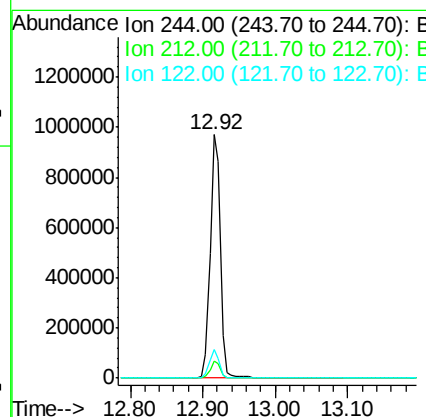
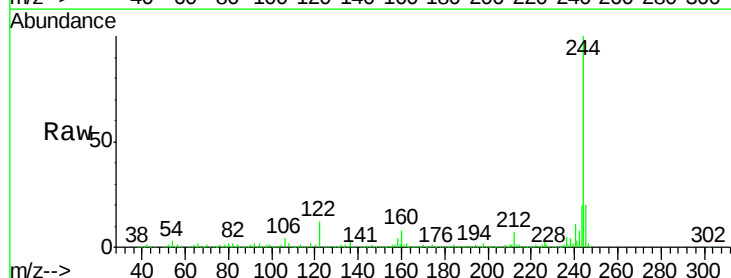
Instrument :
BNA_F
ClientSampleId :

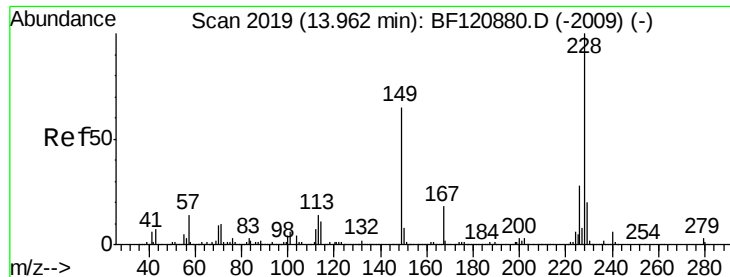
Tot Ion:202 Resp: 167130
Ion Ratio Lower Upper
202 100
200 20.3 17.0 25.4
203 16.9 14.4 21.6



#79
Terphenyl-d14
Concen: 56.600 ng
RT: 12.92 min Scan# 1841
Delta R.T. -0.01 min
Lab File: BF121016.D
Acq: 24 Jul 2020 21:51

Tgt Ion:244 Resp: 948407
Ion Ratio Lower Upper
244 100
212 6.9 5.6 8.4
122 11.9 8.9 13.3

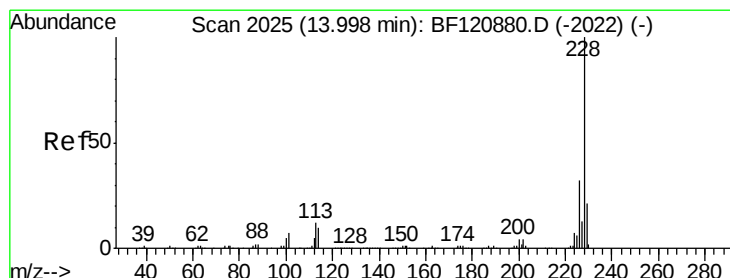
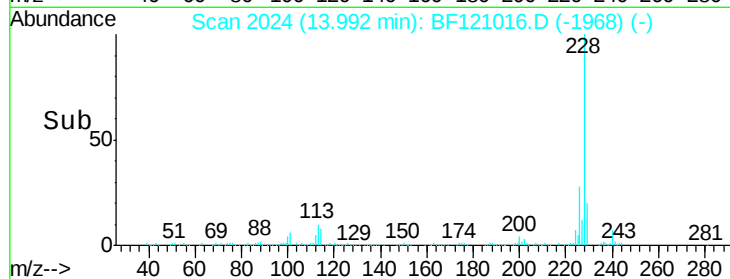
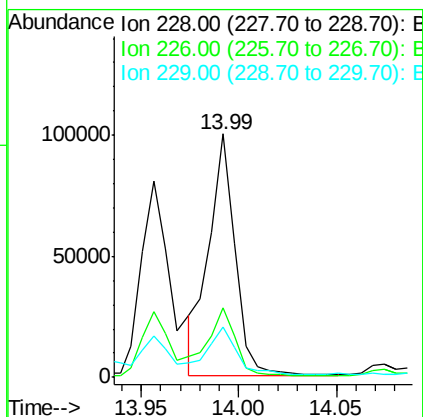
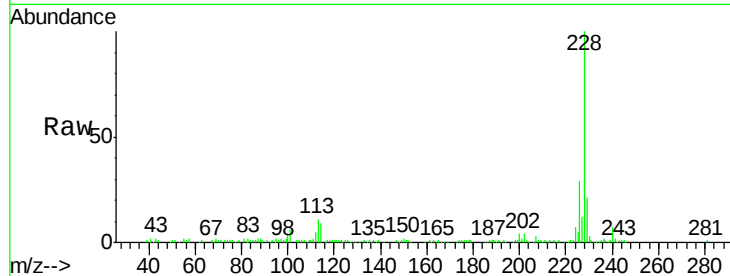




#81
Benzo(a)anthracene
Concen: 4.290 ng
RT: 13.99 min Scan# 2024
Delta R.T. 0.03 min
Lab File: BF121016.D
Acq: 24 Jul 2020 21:51

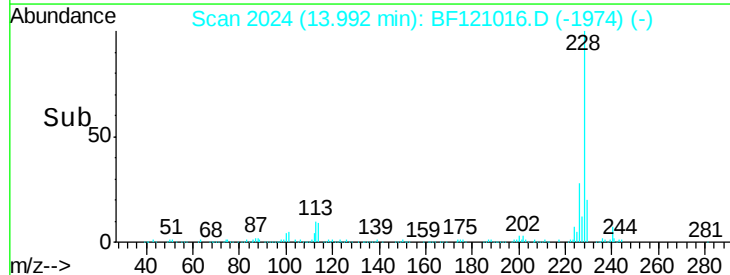
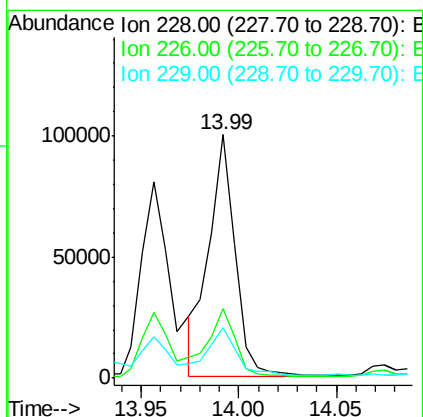
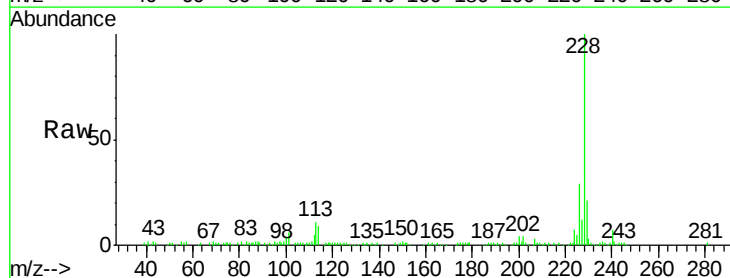
Instrument :
BNA_F
ClientSampleId :

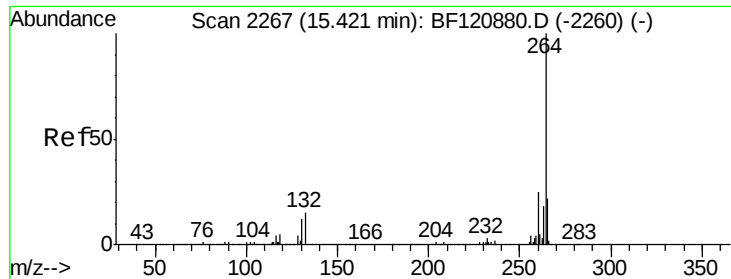
Tot Ion:228 Resp: 94618
Ion Ratio Lower Upper
228 100
226 28.5 22.3 33.5
229 20.9 16.1 24.1



#83
Chrysene
Concen: 4.082 ng
RT: 13.99 min Scan# 2024
Delta R.T. -0.01 min
Lab File: BF121016.D
Acq: 24 Jul 2020 21:51

Tgt Ion:228 Resp: 94618
Ion Ratio Lower Upper
228 100
226 28.5 25.6 38.4
229 20.9 16.8 25.2



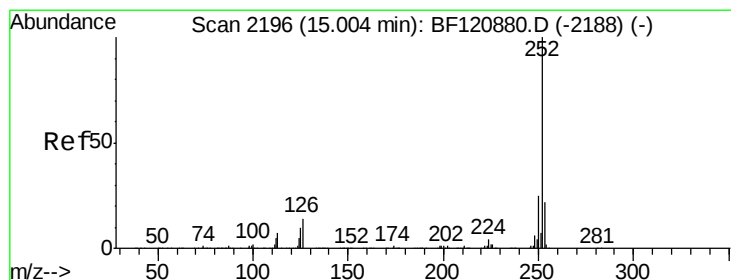
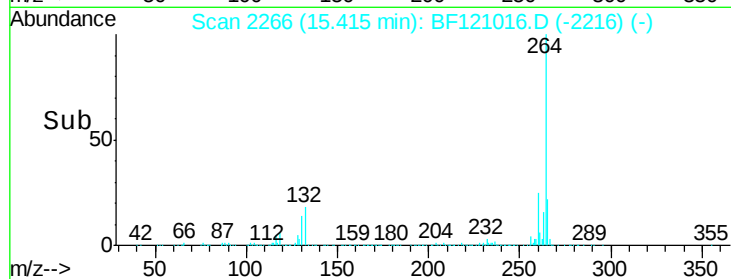
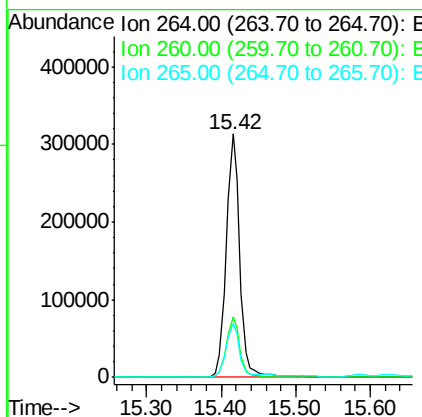
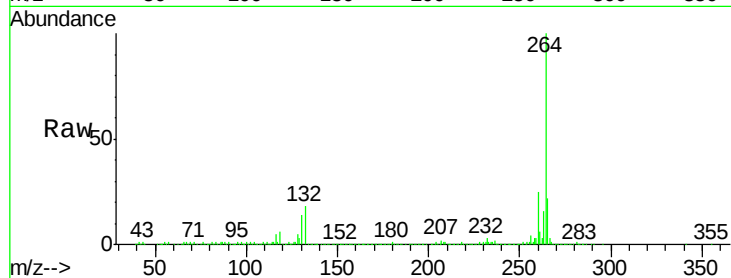


#86
Pervlene-d12
Concen: 20.000 ng
RT: 15.42 min Scan# 2266
Delta R.T. -0.01 min
Lab File: BF121016.D
Acq: 24 Jul 2020 21:51

Instrument :
BNA_F
ClientSampleId :

Tot Ion:264 Resp: 402860

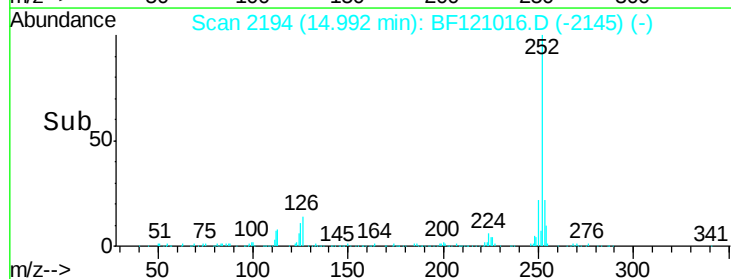
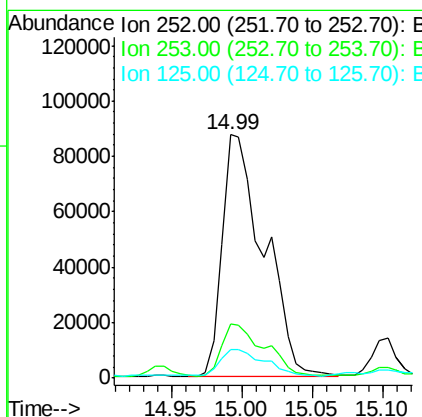
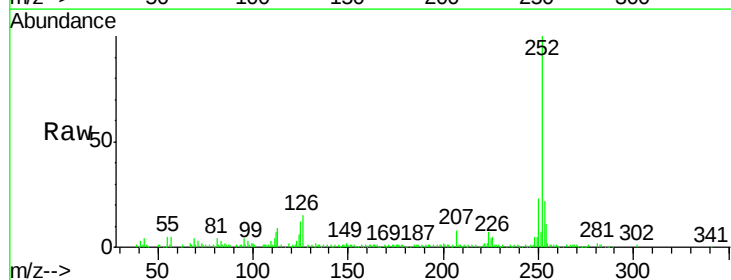
Ion	Ratio	Lower	Upper
264	100		
260	24.7	20.0	30.0
265	22.3	17.4	26.2

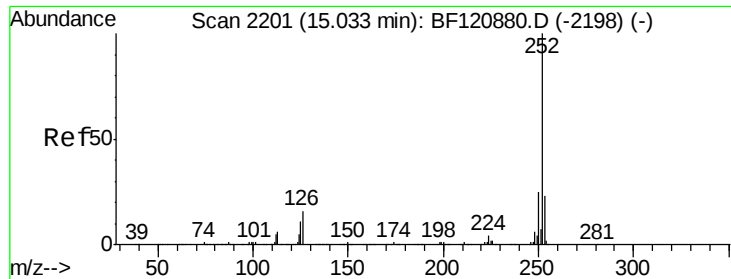


#88
Benzo(b)fluoranthene
Concen: 7.433 ng
RT: 14.99 min Scan# 2194
Delta R.T. -0.01 min
Lab File: BF121016.D
Acq: 24 Jul 2020 21:51

Tgt Ion:252 Resp: 181012

Ion	Ratio	Lower	Upper
252	100		
253	22.2	18.0	27.0
125	11.9	8.3	12.5

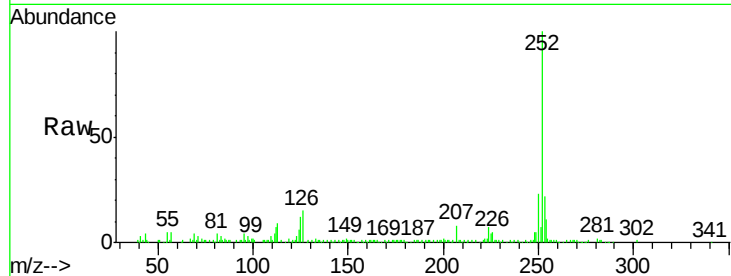




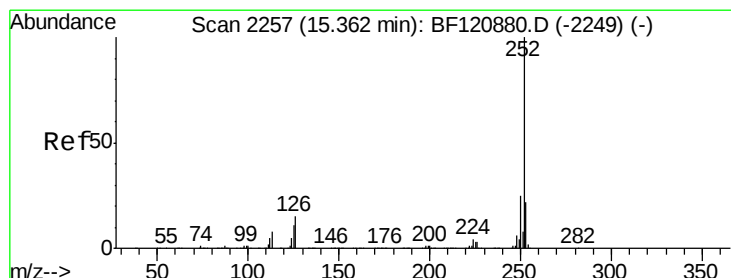
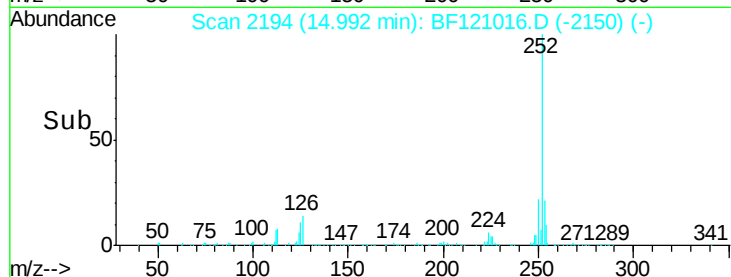
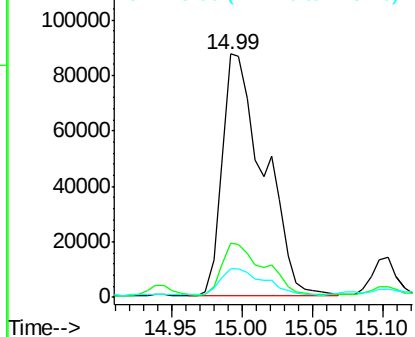
#89
Benzo(k)fluoranthene
Concen: 8.151 ng
RT: 14.99 min Scan# 2194
Delta R.T. -0.04 min
Lab File: BF121016.D
Acq: 24 Jul 2020 21:51

Instrument :
BNA_F
ClientSampled :

Tot Ion:252 Resp: 181012
Ion Ratio Lower Upper
252 100
253 22.2 18.2 27.2
125 11.9 8.4 12.6

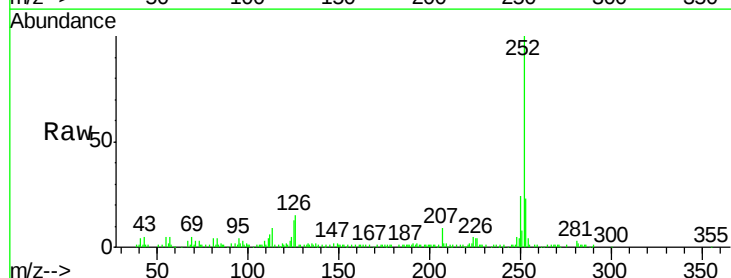


Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E

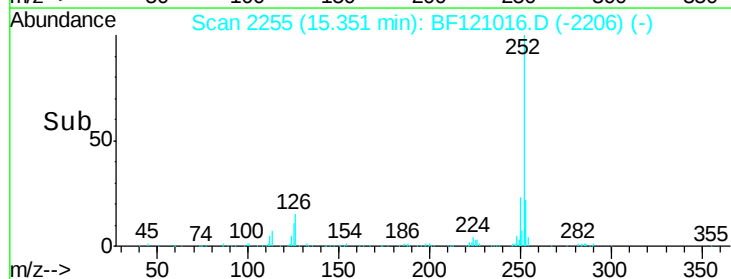
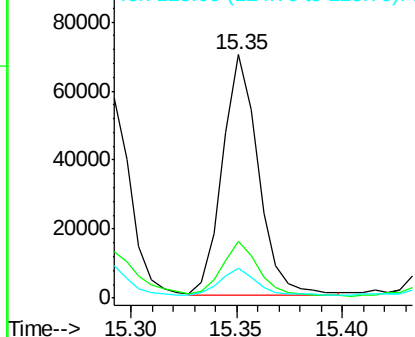


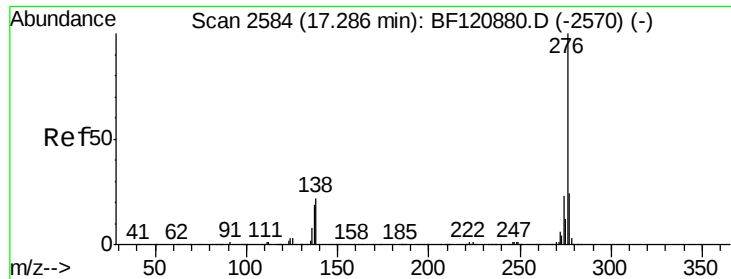
#90
Benzo(a)pyrene
Concen: 3.722 ng
RT: 15.35 min Scan# 2255
Delta R.T. -0.01 min
Lab File: BF121016.D
Acq: 24 Jul 2020 21:51

Tgt Ion:252 Resp: 82691
Ion Ratio Lower Upper
252 100
253 23.4 17.8 26.8
125 12.5 8.9 13.3



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(a,h,i)perylene
 Concen: 2.093 ng
 RT: 17.26 min Scan# 2580
 Delta R.T. -0.02 min
 Lab File: BF121016.D
 Acq: 24 Jul 2020 21:51

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
276	100		
277	26.8	18.8	28.2
138	23.5	17.5	26.3

