

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF122420\
 Data File : BF122851.D
 Acq On : 24 Dec 2020 11:15
 Operator : JU/CG
 Sample : L5189-01
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 22

Quant Time: Dec 24 12:27:14 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF120520.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Dec 15 18:14:23 2020
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

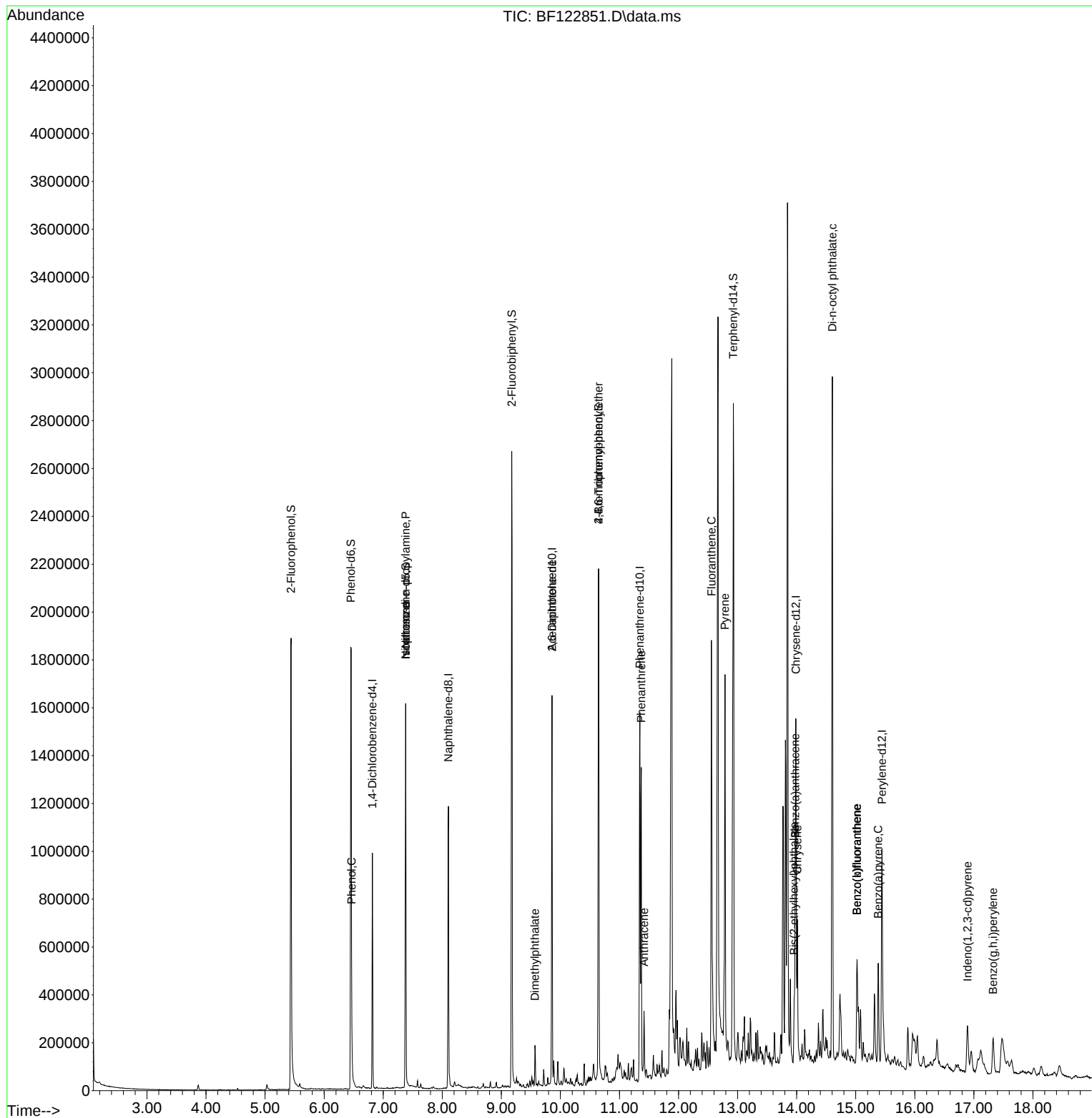
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.816	152	135101	20.00	ng	0.00
21) Naphthalene-d8	8.104	136	560160	20.00	ng	0.00
39) Acenaphthene-d10	9.857	164	313160	20.00	ng	0.00
64) Phenanthrene-d10	11.345	188	581547	20.00	ng	0.00
76) Chrysene-d12	13.986	240	403240	20.00	ng	0.00
86) Perylene-d12	15.445	264	378288	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.440	112	678462	79.50	ng	0.00
7) Phenol-d6	6.451	99	769548	68.00	ng	0.00
23) Nitrobenzene-d5	7.381	82	493978	44.18	ng	-0.01
42) 2,4,6-Tribromophenol	10.645	330	285343	69.61	ng	0.00
45) 2-Fluorobiphenyl	9.175	172	890804	38.47	ng	-0.01
79) Terphenyl-d14	12.927	244	1266312	54.97	ng	0.00
Target Compounds						Qvalue
10) Phenol	6.463	94	48224	4.11	ng	92
19) n-Nitroso-di-n-propyla...	7.381	70	65603	10.12	ng	# 79
25) Isophorone	7.381	82	493972	25.65	ng	# 65
50) Dimethylphthalate	9.569	163	64701	2.59	ng	98
51) 2,6-Dinitrotoluene	9.857	165	41275	7.81	ng	# 31
67) 4-Bromophenyl-phenylether	10.645	248	17648	2.24	ng	# 1
71) Phenanthrene	11.369	178	494439	14.31	ng	98
72) Anthracene	11.416	178	99127	2.89	ng	98
75) Fluoranthene	12.557	202	621013	17.13	ng	99
78) Pyrene	12.786	202	625939	20.08	ng	99
81) Benzo(a)anthracene	13.974	228	261425	9.70	ng	98
83) Chrysene	14.010	228	247562	9.23	ng	97
84) Bis(2-ethylhexyl)phtha...	13.957	149	74073	3.85	ng	100
85) Di-n-octyl phthalate	14.604	149	332041	10.41	ng	# 54
87) Indeno(1,2,3-cd)pyrene	16.892	276	125059	5.04	ng	93
88) Benzo(b)fluoranthene	15.021	252	334336	12.60	ng	99
89) Benzo(k)fluoranthene	15.021	252	334336	13.78	ng	99
90) Benzo(a)pyrene	15.380	252	208051	8.96	ng	99
92) Benzo(g,h,i)perylene	17.327	276	125924	6.40	ng	97

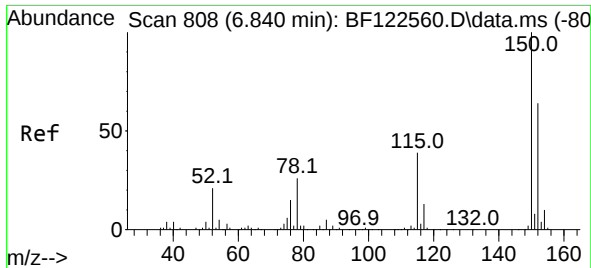
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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BNA_F
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Quant Time: Dec 24 12:27:14 2020
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF120520.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Dec 15 18:14:23 2020
Response via : Initial Calibration

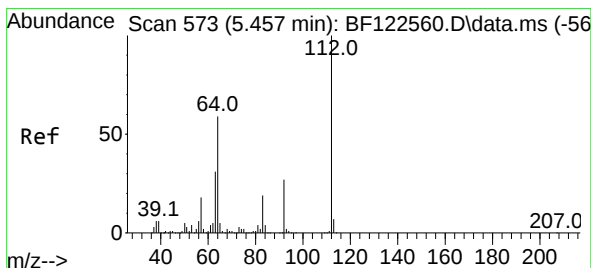
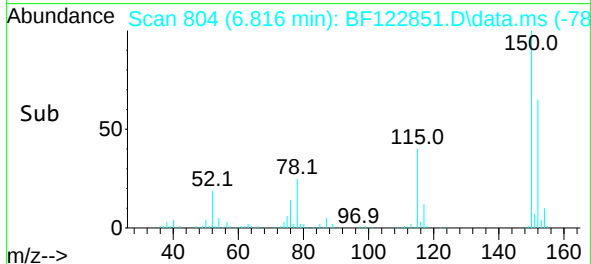
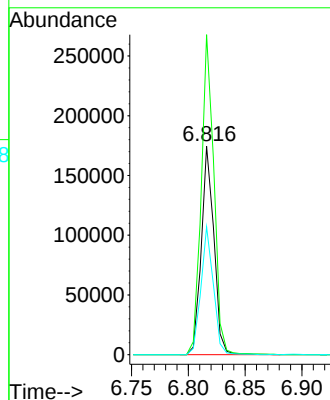
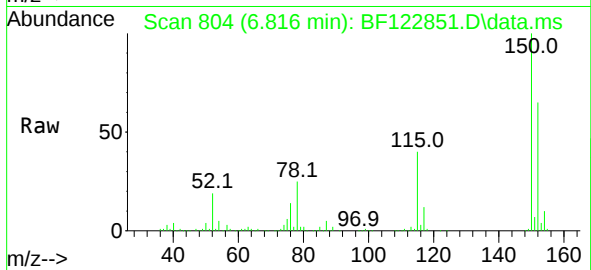




#1
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.816 min Scan# 804
Delta R.T. -0.006 min
Lab File: BF122851.D
Acq: 24 Dec 2020 11:15

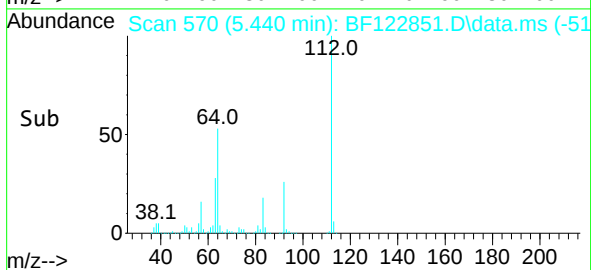
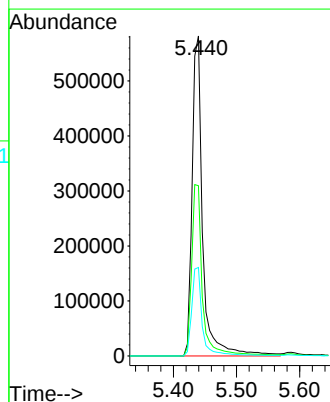
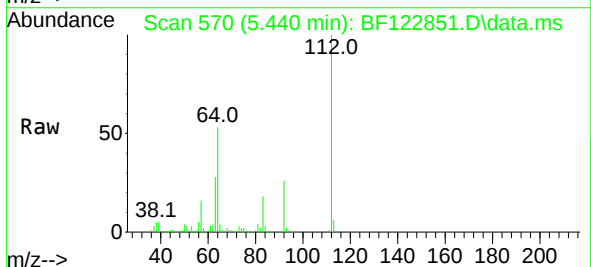
Instrument :
BNA_F
ClientSampleId :
22

Tgt Ion:152 Resp: 135101
Ion Ratio Lower Upper
152 100
150 153.5 125.8 188.6
115 61.4 49.3 73.9



#5
2-Fluorophenol
Concen: 79.50 ng
RT: 5.440 min Scan# 570
Delta R.T. 0.006 min
Lab File: BF122851.D
Acq: 24 Dec 2020 11:15

Tgt Ion:112 Resp: 678462
Ion Ratio Lower Upper
112 100
64 53.2 46.9 70.3
63 27.6 24.5 36.7

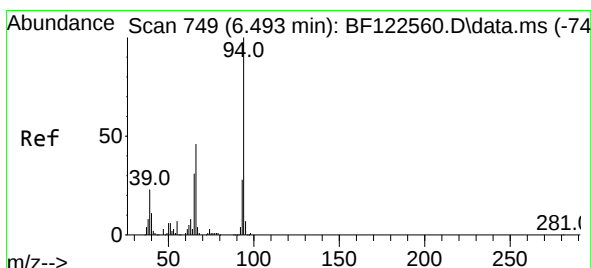
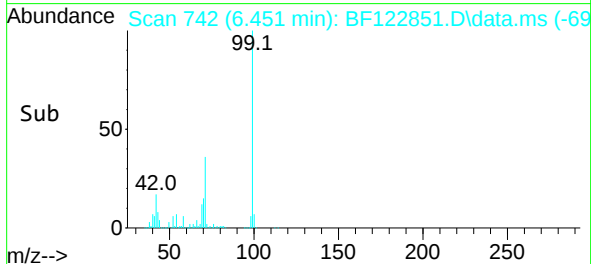
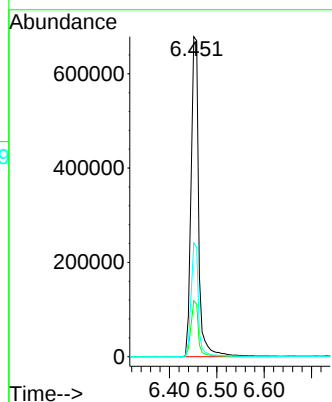
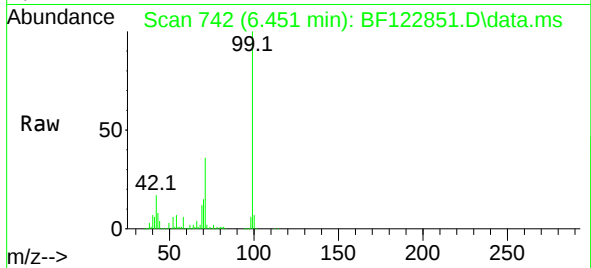




#7
Phenol-d6
Concen: 68.00 ng
RT: 6.451 min Scan# 742
Delta R.T. -0.006 min
Lab File: BF122851.D
Acq: 24 Dec 2020 11:15

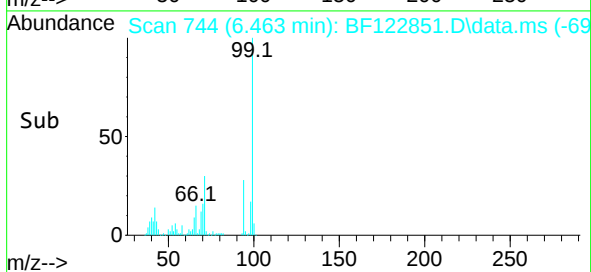
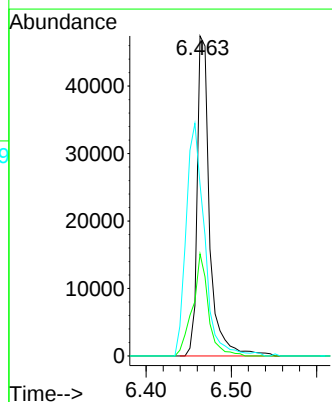
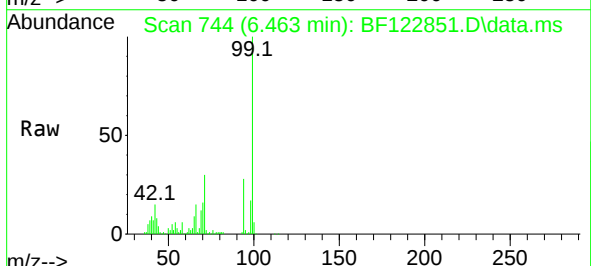
Instrument :
BNA_F
ClientSampleId :
22

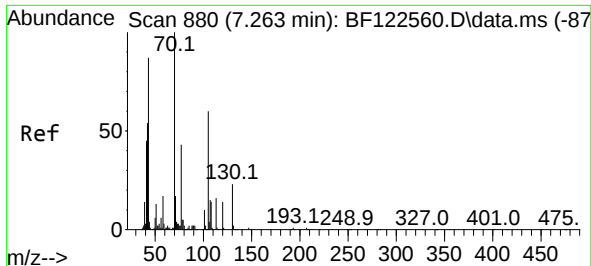
Tgt Ion: 99 Resp: 769548
Ion Ratio Lower Upper
99 100
42 17.5 13.8 20.6
71 35.6 26.9 40.3



#10
Phenol
Concen: 4.11 ng
RT: 6.463 min Scan# 744
Delta R.T. -0.006 min
Lab File: BF122851.D
Acq: 24 Dec 2020 11:15

Tgt Ion: 94 Resp: 48224
Ion Ratio Lower Upper
94 100
65 31.9 11.2 51.2
66 53.6 25.8 65.8



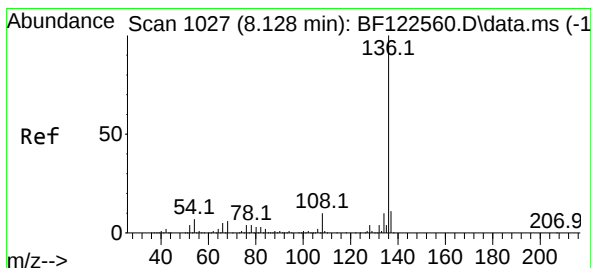
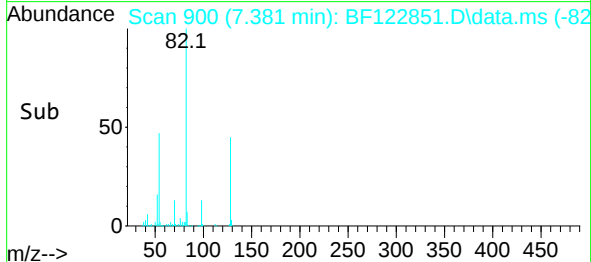
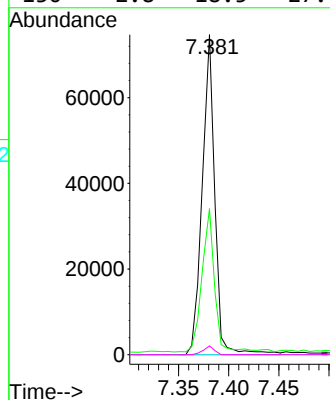
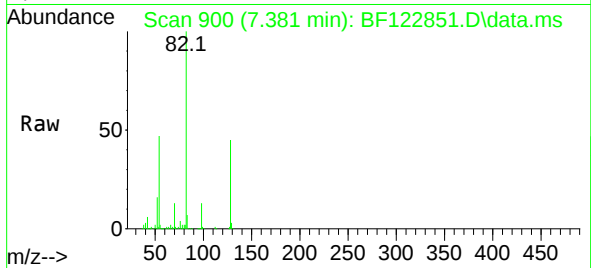


#19
n-Nitroso-di-n-propylamine
Concen: 10.12 ng
RT: 7.381 min Scan# 900
Delta R.T. 0.141 min
Lab File: BF122851.D
Acq: 24 Dec 2020 11:15

Instrument :
BNA_F
ClientSampleId :
22

Tgt Ion: 70 Resp: 65603

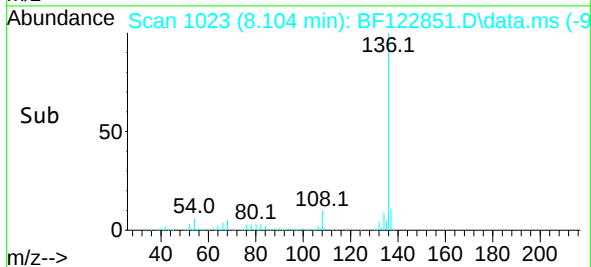
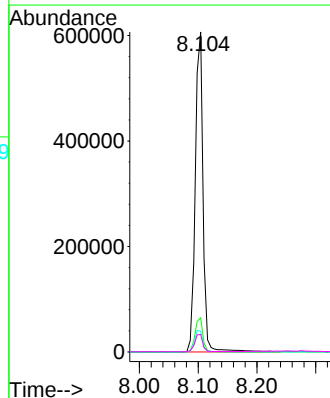
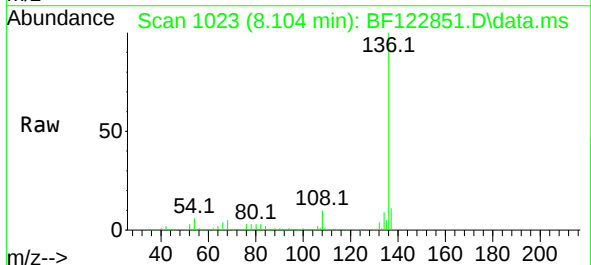
Ion	Ratio	Lower	Upper
70	100		
42	45.7	43.0	64.4
101	0.0	7.9	11.9#
130	2.8	18.5	27.7#

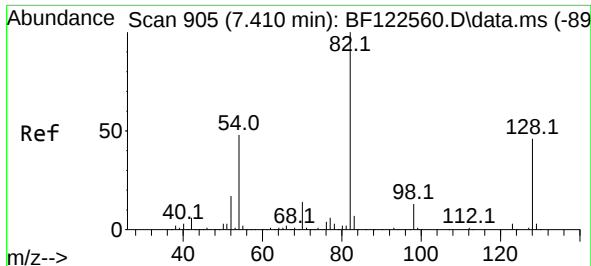


#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.104 min Scan# 1023
Delta R.T. -0.006 min
Lab File: BF122851.D
Acq: 24 Dec 2020 11:15

Tgt Ion: 136 Resp: 560160

Ion	Ratio	Lower	Upper
136	100		
137	10.7	8.8	13.2
54	6.5	5.5	8.3
68	5.5	4.6	6.8





#23

Nitrobenzene-d5

Concen: 44.18 ng

RT: 7.381 min Scan# 900

Delta R.T. -0.012 min

Lab File: BF122851.D

Acq: 24 Dec 2020 11:15

Tgt Ion: 82 Resp: 493978

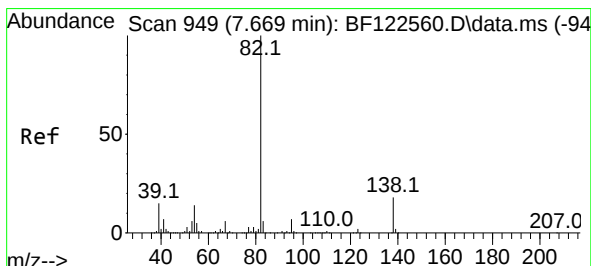
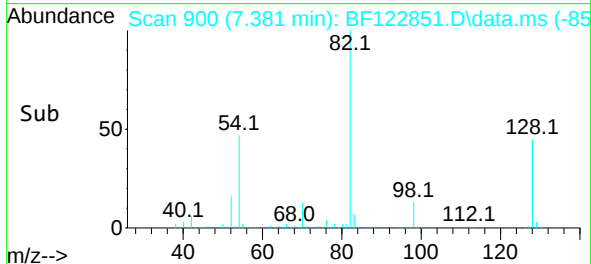
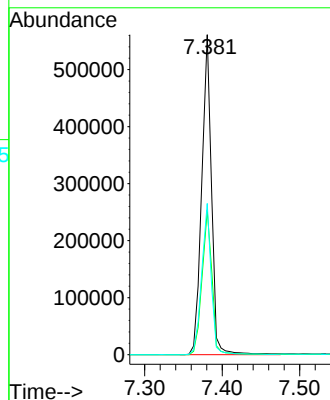
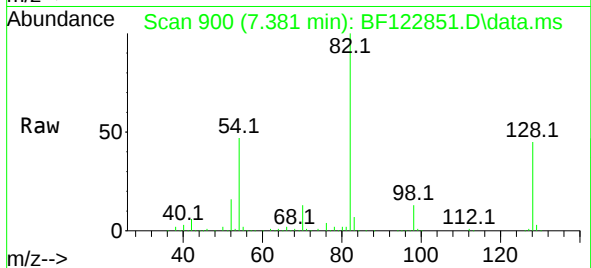
Ion	Ratio	Lower	Upper
82	100		
128	45.2	37.0	55.4
54	47.2	38.4	57.6

Instrument :

BNA_F

ClientSampleId :

22



#25

Isophorone

Concen: 25.65 ng

RT: 7.381 min Scan# 900

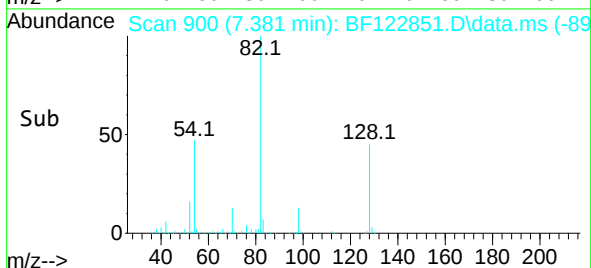
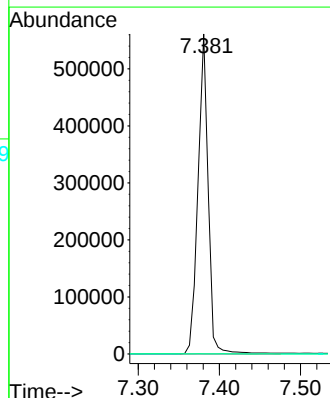
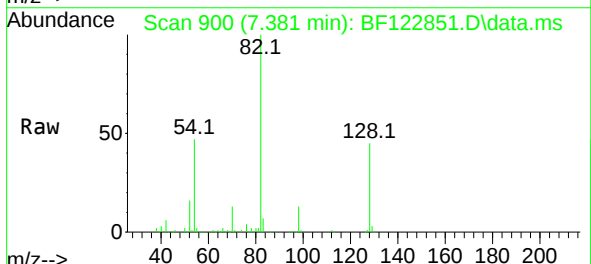
Delta R.T. -0.265 min

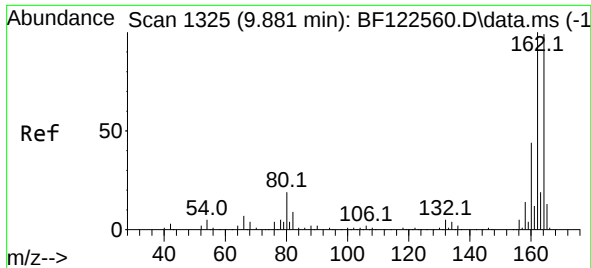
Lab File: BF122851.D

Acq: 24 Dec 2020 11:15

Tgt Ion: 82 Resp: 493972

Ion	Ratio	Lower	Upper
82	100		
95	0.1	5.8	8.6#
138	0.0	14.6	21.8#

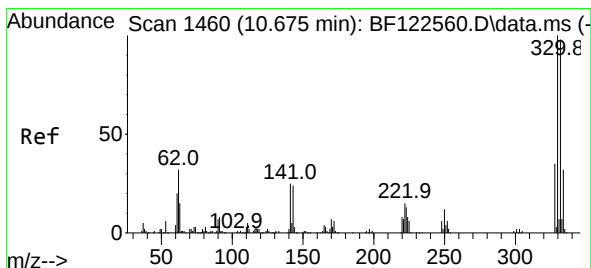
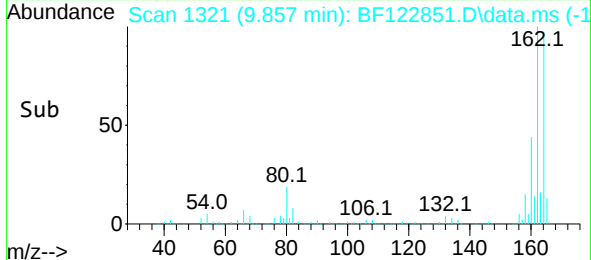
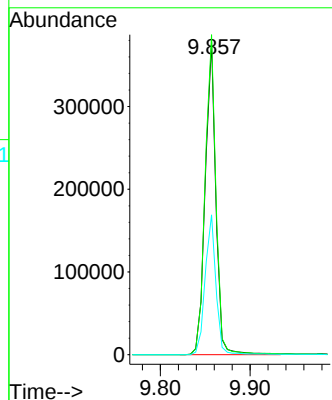
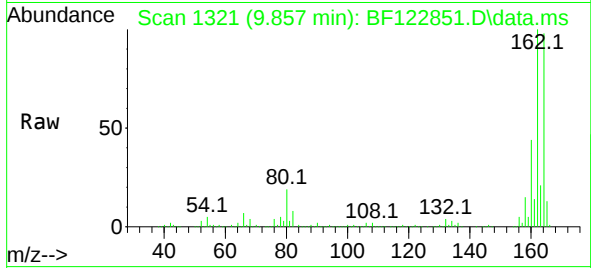




#39
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.857 min Scan# 1321
Delta R.T. -0.006 min
Lab File: BF122851.D
Acq: 24 Dec 2020 11:15

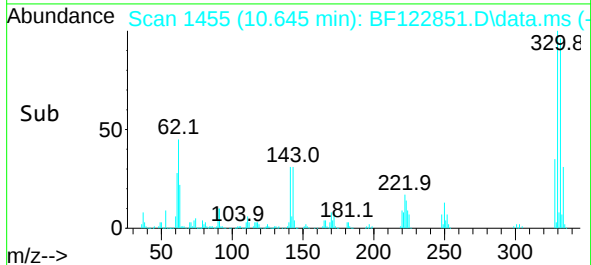
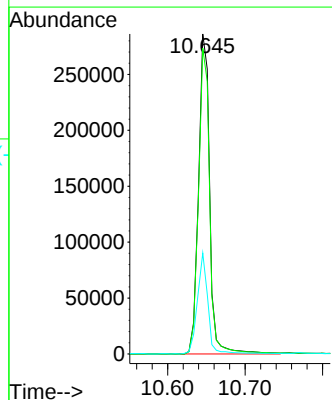
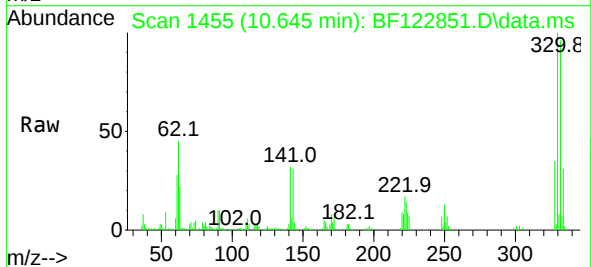
Instrument :
BNA_F
ClientSampleId :
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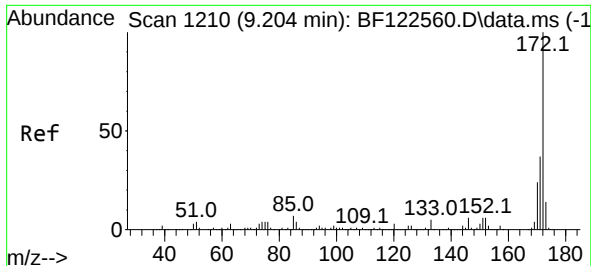
Tgt Ion:164 Resp: 313160
Ion Ratio Lower Upper
164 100
162 102.5 80.8 121.2
160 44.8 35.4 53.0



#42
2,4,6-Tribromophenol
Concen: 69.61 ng
RT: 10.645 min Scan# 1455
Delta R.T. -0.006 min
Lab File: BF122851.D
Acq: 24 Dec 2020 11:15

Tgt Ion:330 Resp: 285343
Ion Ratio Lower Upper
330 100
332 96.8 77.5 116.3
141 29.9 23.8 35.8

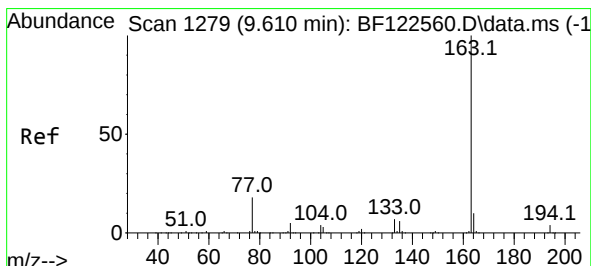
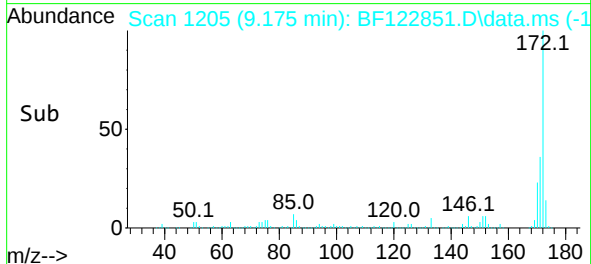
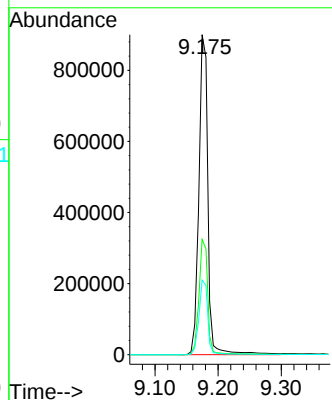
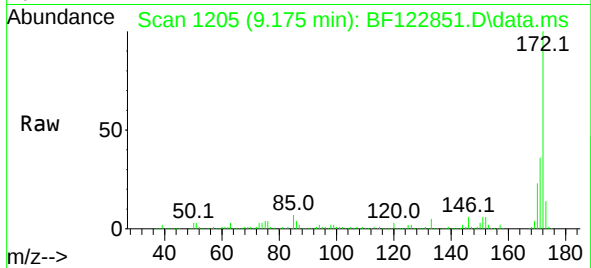




#45
2-Fluorobiphenyl
Concen: 38.47 ng
RT: 9.175 min Scan# 1205
Delta R.T. -0.012 min
Lab File: BF122851.D
Acq: 24 Dec 2020 11:15

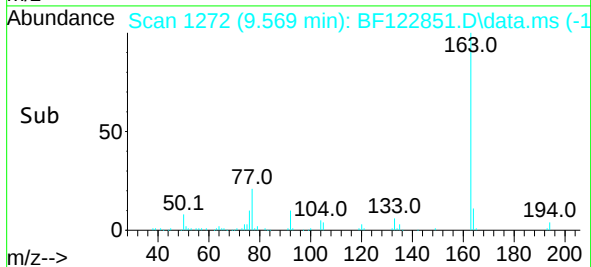
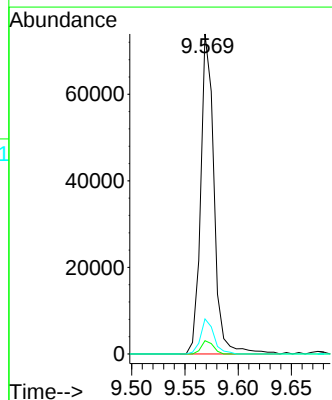
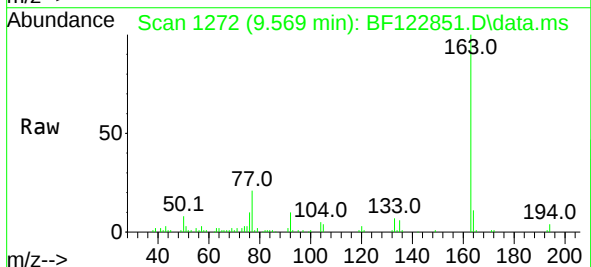
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BNA_F
ClientSampleId :
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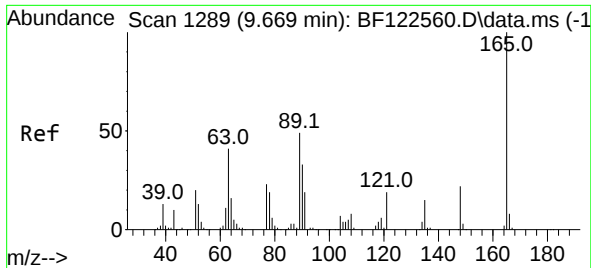
Tgt Ion:172 Resp: 890804
Ion Ratio Lower Upper
172 100
171 36.0 29.6 44.4
170 23.3 19.5 29.3



#50
Dimethylphthalate
Concen: 2.59 ng
RT: 9.569 min Scan# 1272
Delta R.T. -0.018 min
Lab File: BF122851.D
Acq: 24 Dec 2020 11:15

Tgt Ion:163 Resp: 64701
Ion Ratio Lower Upper
163 100
194 4.1 3.4 5.0
164 11.0 8.1 12.1

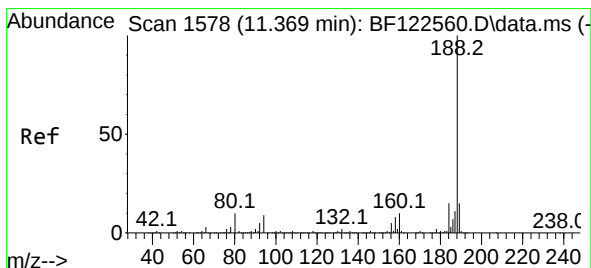
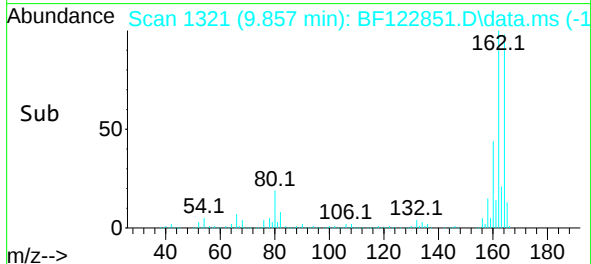
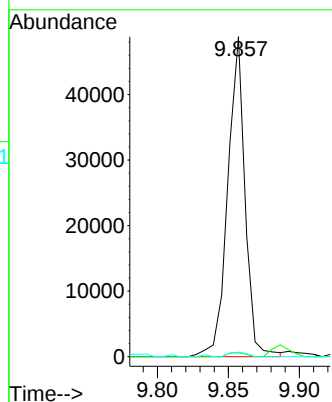
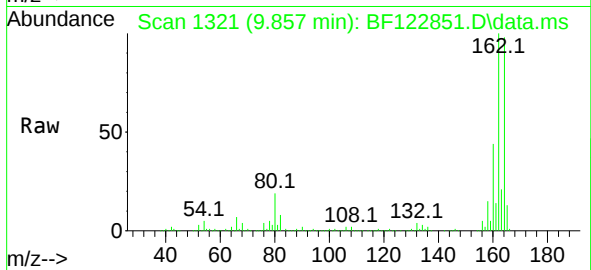




#51
2,6-Dinitrotoluene
Concen: 7.81 ng
RT: 9.857 min Scan# 1321
Delta R.T. 0.212 min
Lab File: BF122851.D
Acq: 24 Dec 2020 11:15

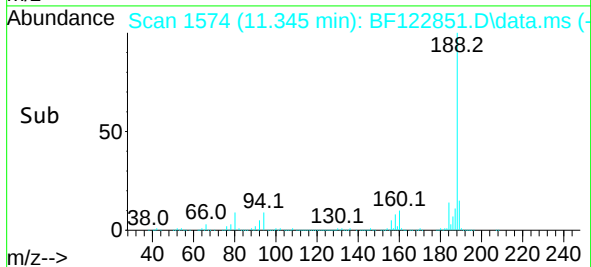
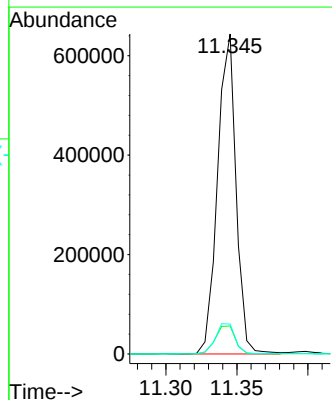
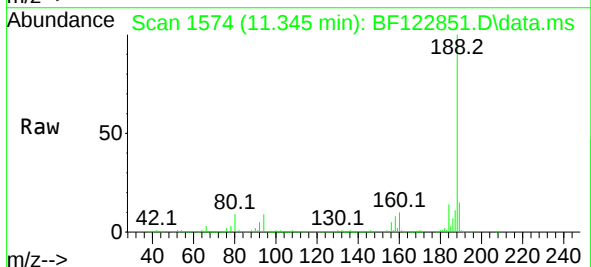
Instrument :
BNA_F
ClientSampled :
22

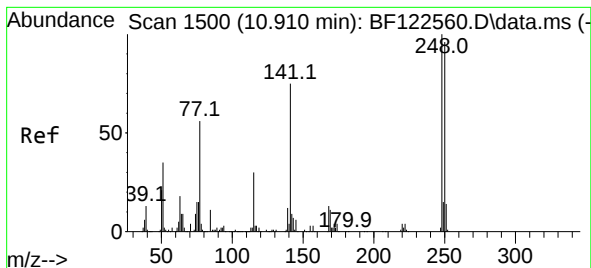
Tgt Ion:165 Resp: 41275
Ion Ratio Lower Upper
165 100
63 1.2 36.6 55.0#
89 1.4 39.4 59.0#



#64
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.345 min Scan# 1574
Delta R.T. -0.000 min
Lab File: BF122851.D
Acq: 24 Dec 2020 11:15

Tgt Ion:188 Resp: 581547
Ion Ratio Lower Upper
188 100
94 8.8 7.4 11.2
80 9.4 8.2 12.4

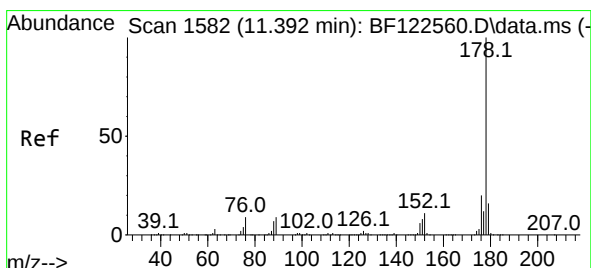
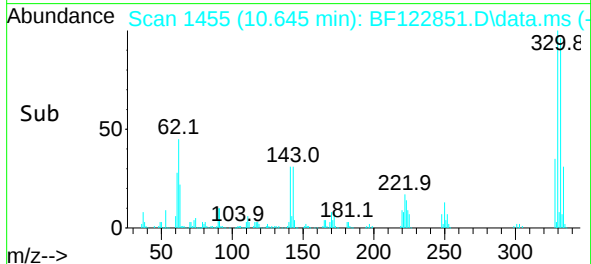
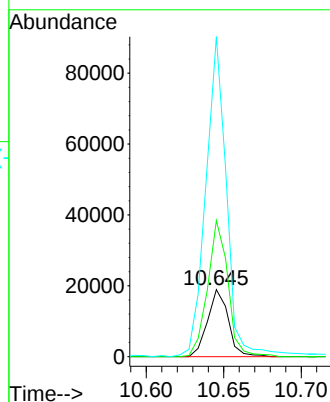
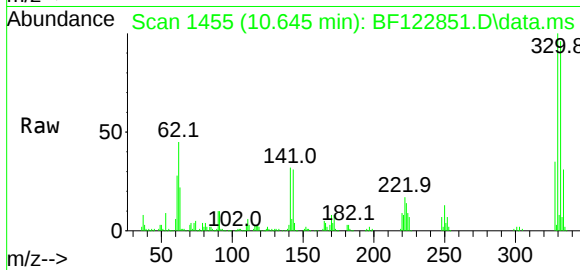




#67
4-Bromophenyl-phenylether
Concen: 2.24 ng
RT: 10.645 min Scan# 1455
Delta R.T. -0.247 min
Lab File: BF122851.D
Acq: 24 Dec 2020 11:15

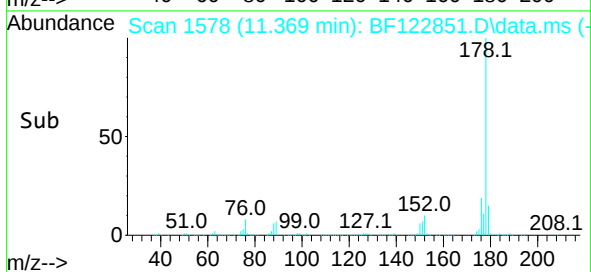
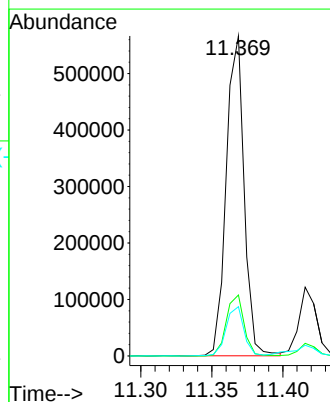
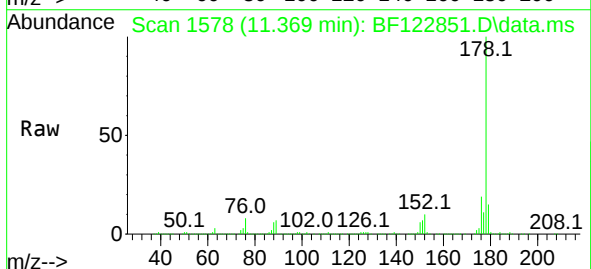
Instrument :
BNA_F
ClientSampleId :
22

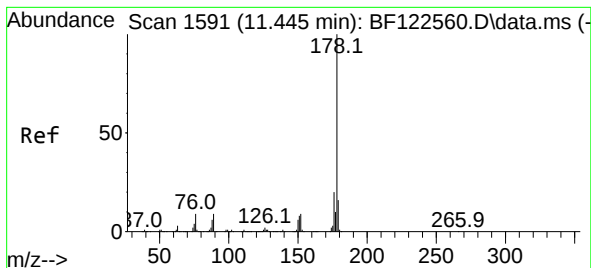
Tgt Ion:248 Resp: 17648
Ion Ratio Lower Upper
248 100
250 203.2 76.8 115.2#
141 477.7 59.8 89.8#



#71
Phenanthrene
Concen: 14.31 ng
RT: 11.369 min Scan# 1578
Delta R.T. -0.000 min
Lab File: BF122851.D
Acq: 24 Dec 2020 11:15

Tgt Ion:178 Resp: 494439
Ion Ratio Lower Upper
178 100
176 19.1 16.2 24.2
179 15.4 12.7 19.1

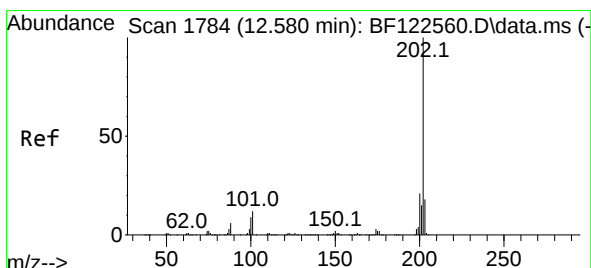
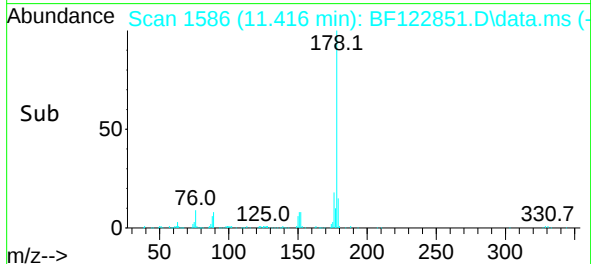
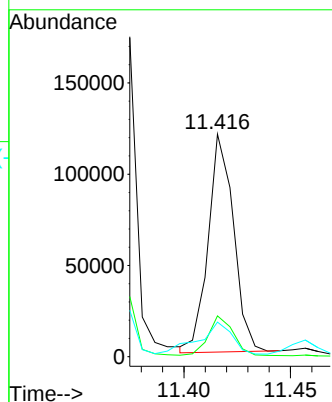
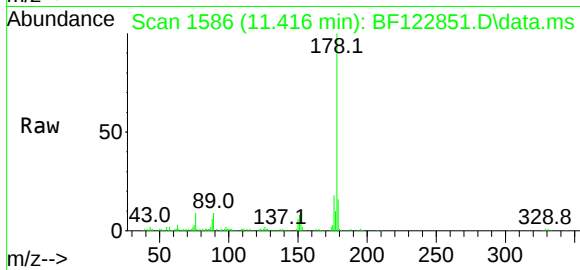




#72
 Anthracene
 Concen: 2.89 ng
 RT: 11.416 min Scan# 1586
 Delta R.T. -0.006 min
 Lab File: BF122851.D
 Acq: 24 Dec 2020 11:15

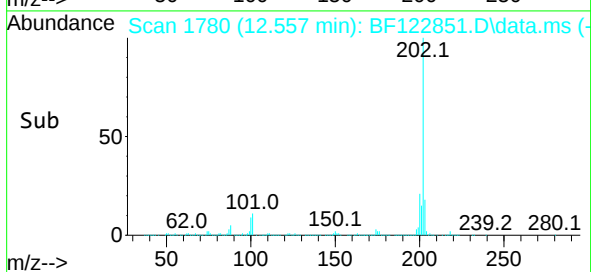
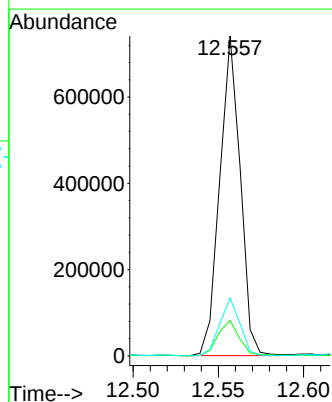
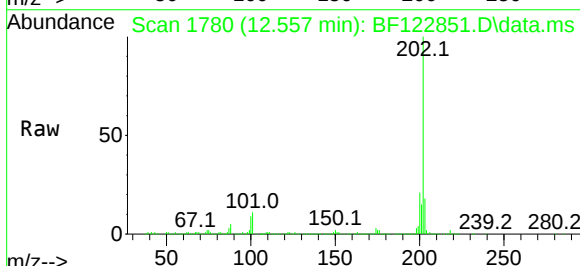
Instrument :
 BNA_F
 ClientSampleId :
 22

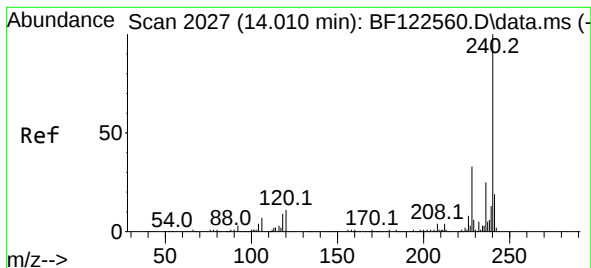
Tgt Ion:178 Resp: 99127
 Ion Ratio Lower Upper
 178 100
 176 18.3 15.6 23.4
 179 15.5 12.8 19.2



#75
 Fluoranthene
 Concen: 17.13 ng
 RT: 12.557 min Scan# 1780
 Delta R.T. -0.000 min
 Lab File: BF122851.D
 Acq: 24 Dec 2020 11:15

Tgt Ion:202 Resp: 621013
 Ion Ratio Lower Upper
 202 100
 101 11.1 0.0 32.2
 203 18.1 0.0 38.1

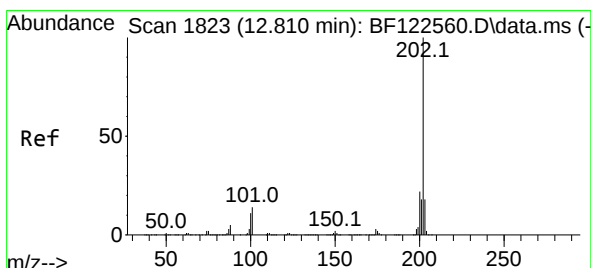
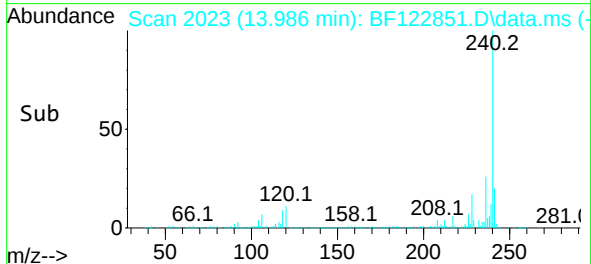
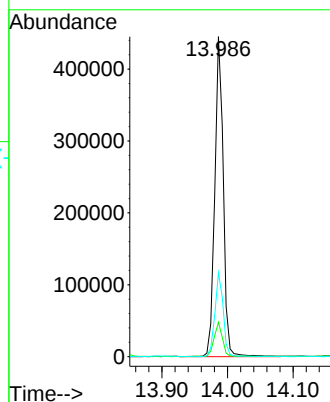
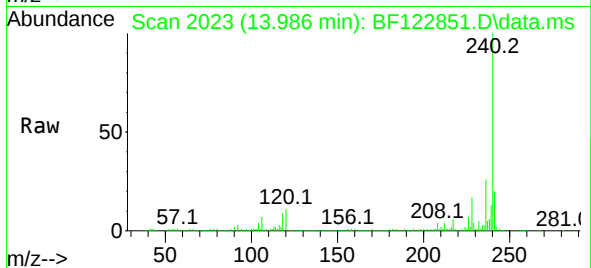




#76
Chrysene-d12
Concen: 20.00 ng
RT: 13.986 min Scan# 2023
Delta R.T. -0.000 min
Lab File: BF122851.D
Acq: 24 Dec 2020 11:15

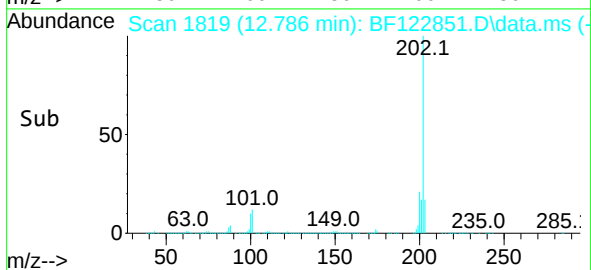
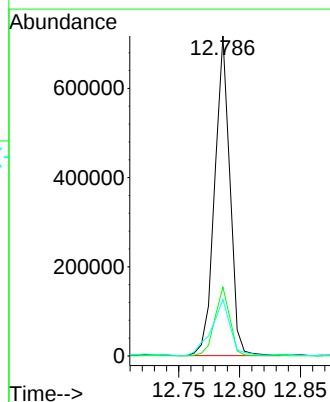
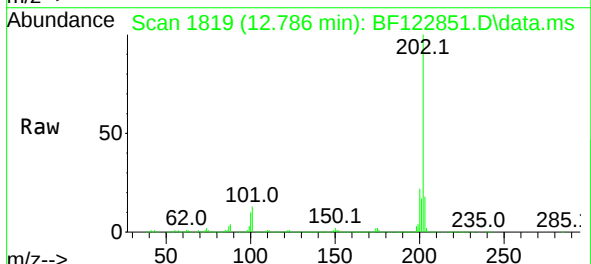
Instrument :
BNA_F
ClientSampleId :
22

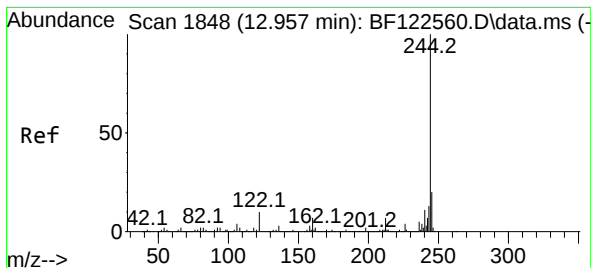
Tgt Ion:240 Resp: 403240
Ion Ratio Lower Upper
240 100
120 10.7 8.6 12.8
236 26.2 20.3 30.5



#78
Pyrene
Concen: 20.08 ng
RT: 12.786 min Scan# 1819
Delta R.T. -0.000 min
Lab File: BF122851.D
Acq: 24 Dec 2020 11:15

Tgt Ion:202 Resp: 625939
Ion Ratio Lower Upper
202 100
200 21.5 17.6 26.4
203 17.6 14.6 21.8





#79

Terphenyl-d14

Concen: 54.97 ng

RT: 12.927 min Scan# 1843

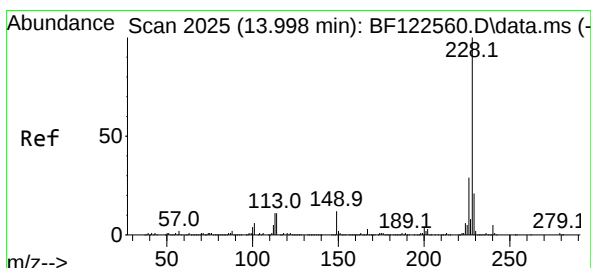
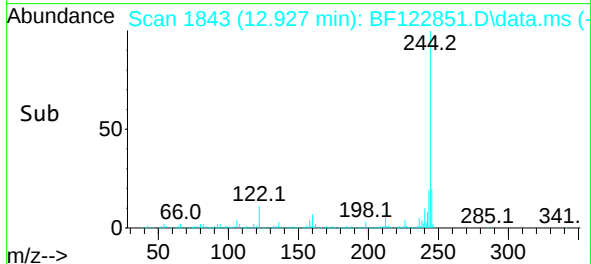
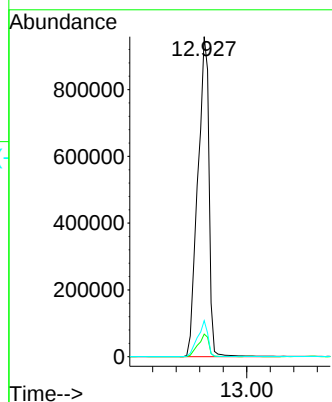
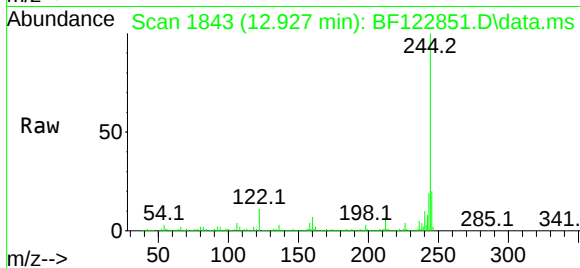
Delta R.T. -0.006 min

Lab File: BF122851.D

Acq: 24 Dec 2020 11:15

Tgt Ion:244 Resp: 1266312

Ion	Ratio	Lower	Upper
244	100		
212	7.1	5.7	8.5
122	11.2	8.3	12.5



#81

Benzo(a)anthracene

Concen: 9.70 ng

RT: 13.974 min Scan# 2021

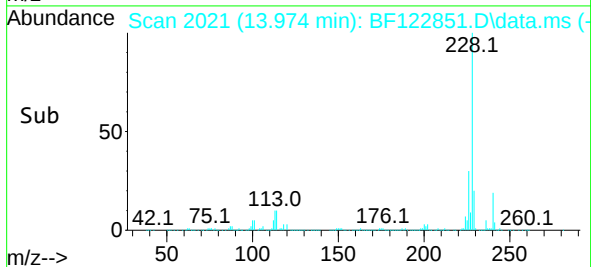
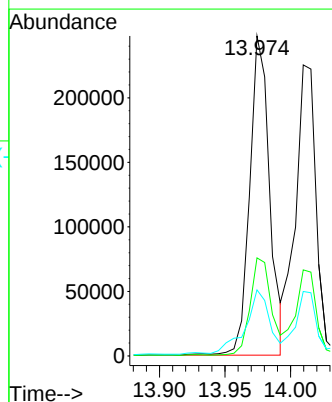
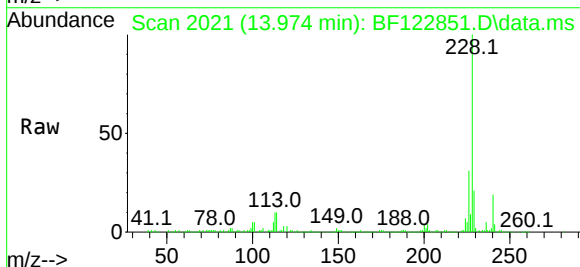
Delta R.T. -0.000 min

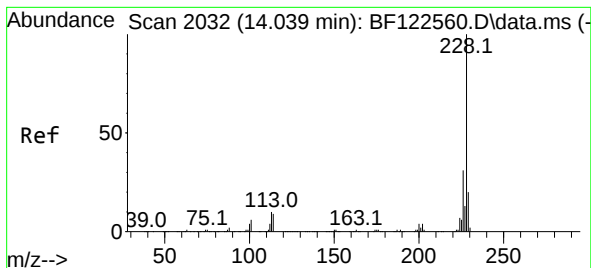
Lab File: BF122851.D

Acq: 24 Dec 2020 11:15

Tgt Ion:228 Resp: 261425

Ion	Ratio	Lower	Upper
228	100		
226	30.6	23.0	34.4
229	20.7	16.6	24.8





#83

Chrysene

Concen: 9.23 ng

RT: 14.010 min Scan# 2027

Delta R.T. -0.006 min

Lab File: BF122851.D

Acq: 24 Dec 2020 11:15

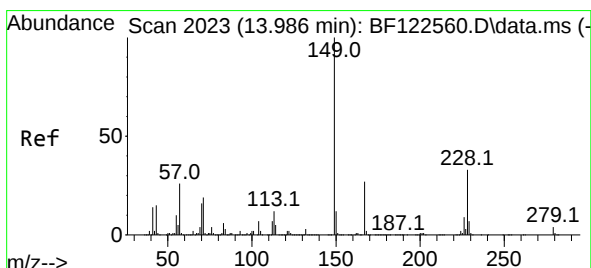
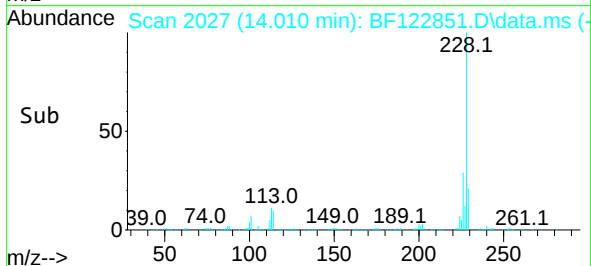
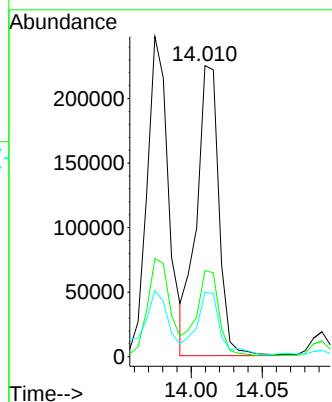
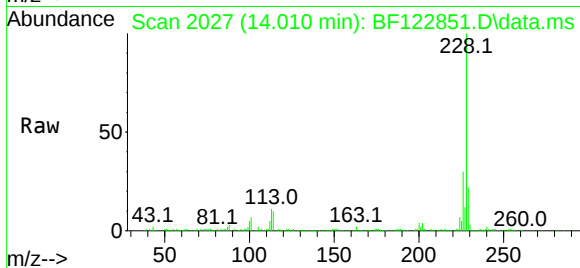
Tgt Ion:228 Resp: 247562

Ion Ratio Lower Upper

228 100

226 29.6 24.6 36.8

229 22.2 15.8 23.6



#84

Bis(2-ethylhexyl)phthalate

Concen: 3.85 ng

RT: 13.957 min Scan# 2018

Delta R.T. -0.006 min

Lab File: BF122851.D

Acq: 24 Dec 2020 11:15

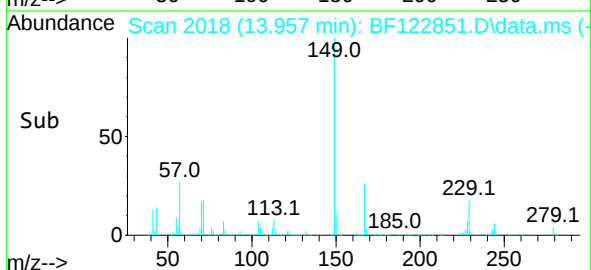
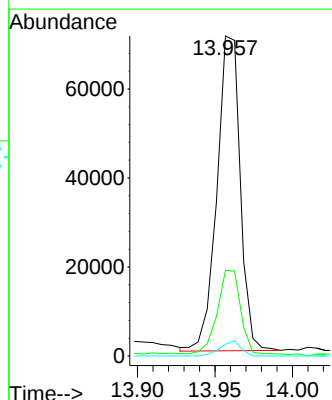
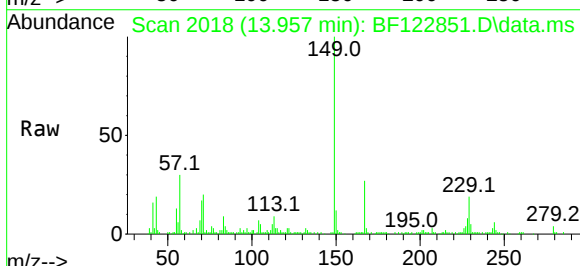
Tgt Ion:149 Resp: 74073

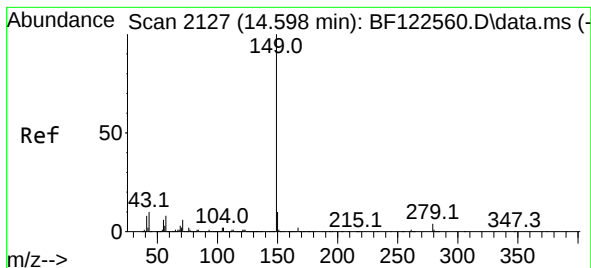
Ion Ratio Lower Upper

149 100

167 26.7 21.4 32.2

279 3.7 3.4 5.0





#85

Di-n-octyl phthalate

Concen: 10.41 ng

RT: 14.604 min Scan# 2128

Delta R.T. 0.029 min

Lab File: BF122851.D

Acq: 24 Dec 2020 11:15

Tgt Ion:149 Resp: 332041

Ion Ratio Lower Upper

149 100

167 49.8 1.3 1.9#

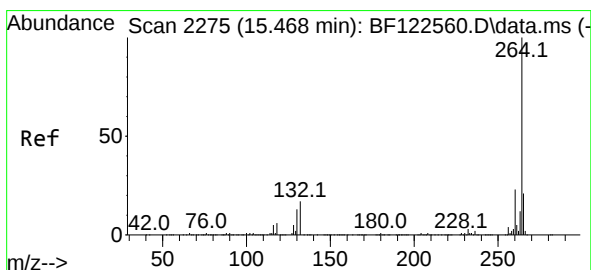
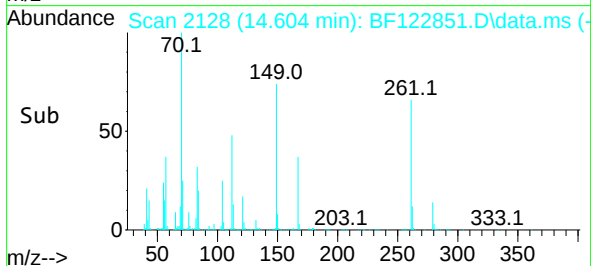
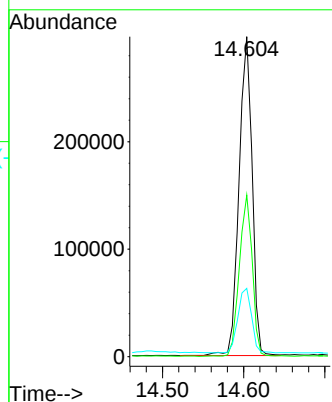
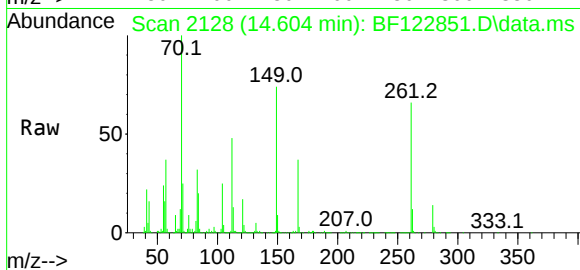
43 21.0 7.6 11.4#

Instrument :

BNA_F

ClientSampleId :

22



#86

Perylene-d12

Concen: 20.00 ng

RT: 15.445 min Scan# 2271

Delta R.T. 0.006 min

Lab File: BF122851.D

Acq: 24 Dec 2020 11:15

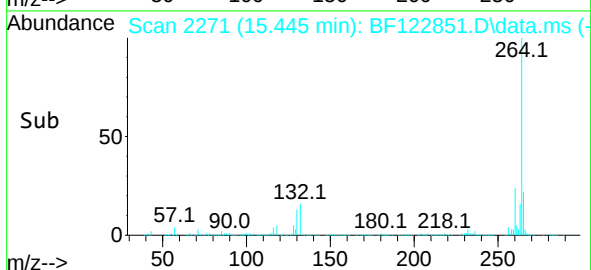
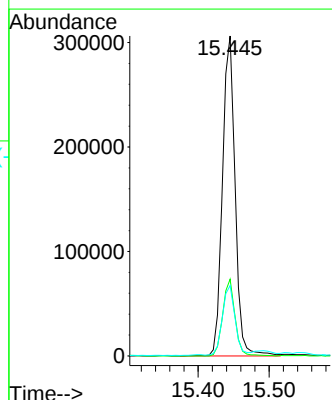
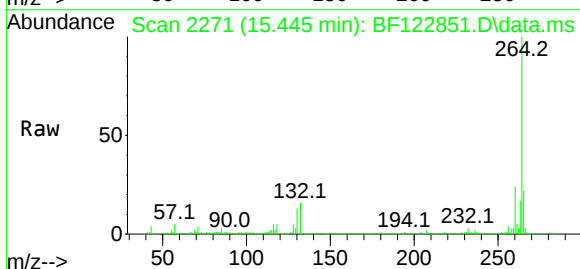
Tgt Ion:264 Resp: 378288

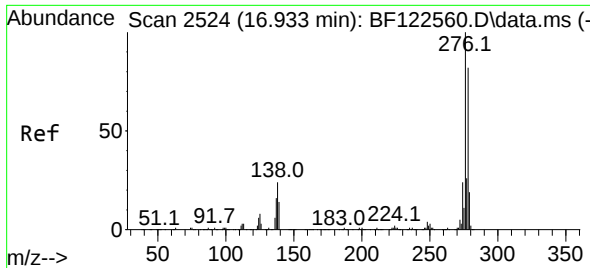
Ion Ratio Lower Upper

264 100

260 24.0 18.6 28.0

265 22.0 17.0 25.6

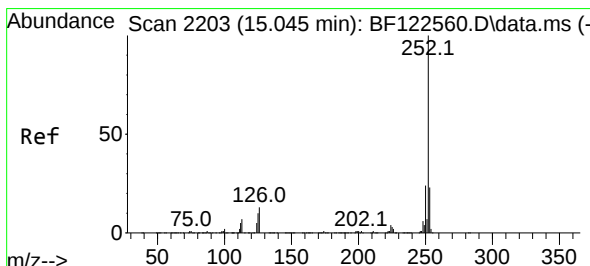
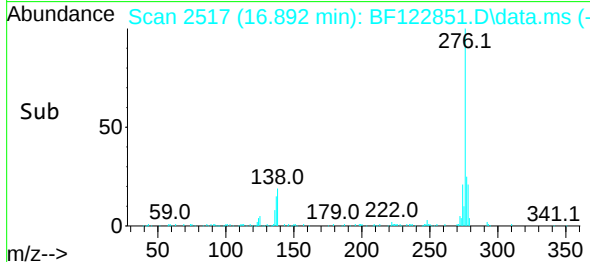
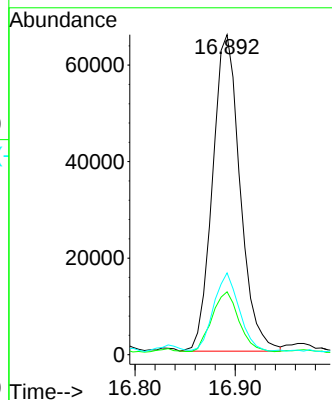
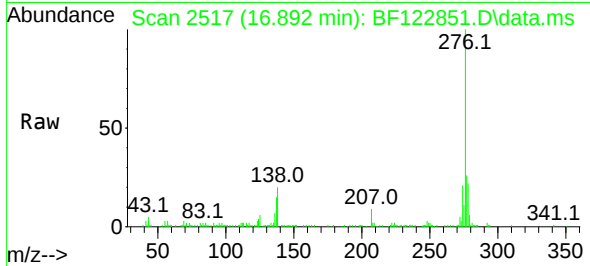




#87
Indeno(1,2,3-cd)pyrene
Concen: 5.04 ng
RT: 16.892 min Scan# 2517
Delta R.T. -0.000 min
Lab File: BF122851.D
Acq: 24 Dec 2020 11:15

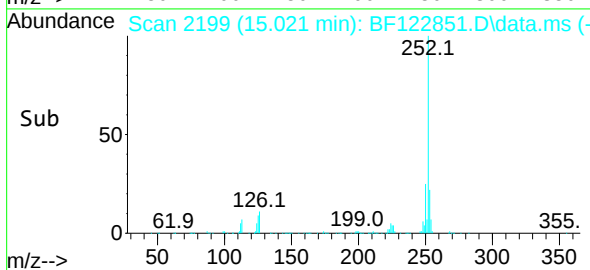
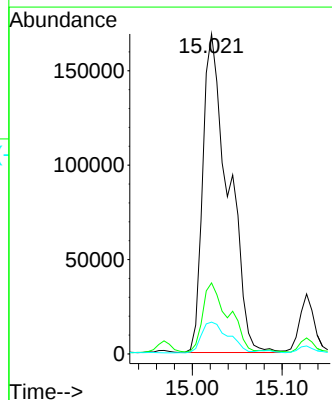
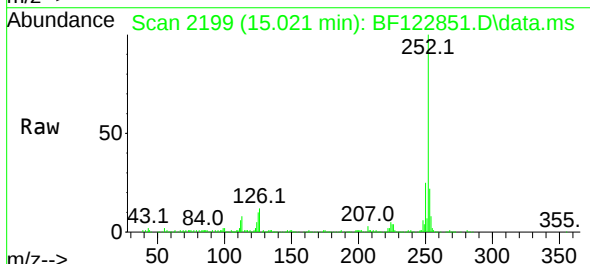
Instrument :
BNA_F
ClientSampleId :
22

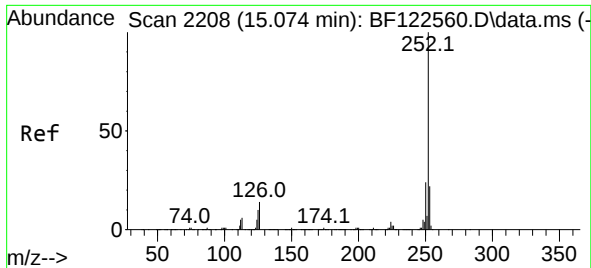
Tgt Ion:276 Resp: 125059
Ion Ratio Lower Upper
276 100
138 19.4 18.7 28.1
277 22.6 20.2 30.4



#88
Benzo(b)fluoranthene
Concen: 12.60 ng
RT: 15.021 min Scan# 2199
Delta R.T. -0.000 min
Lab File: BF122851.D
Acq: 24 Dec 2020 11:15

Tgt Ion:252 Resp: 334336
Ion Ratio Lower Upper
252 100
253 22.2 18.3 27.5
125 10.0 8.1 12.1

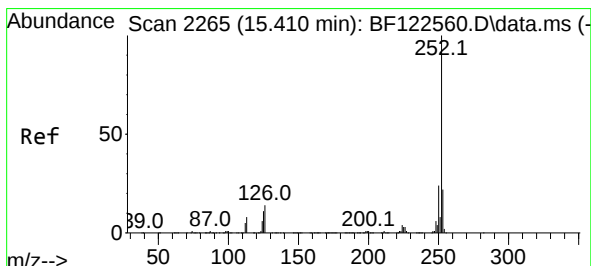
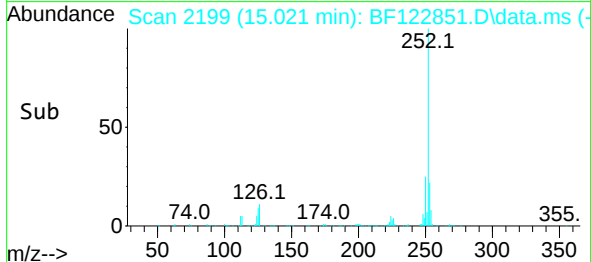
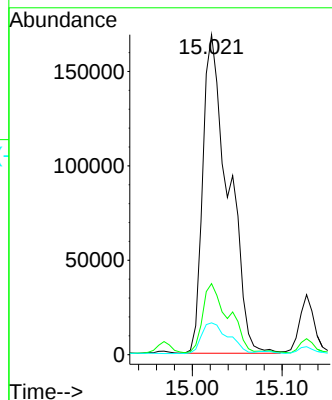
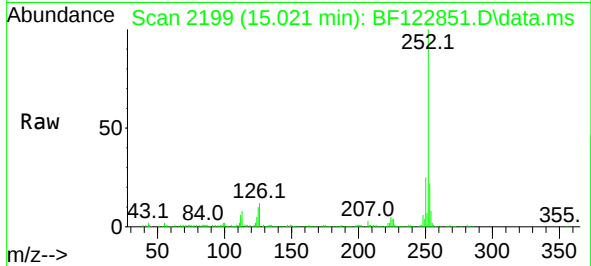




#89
Benzo(k)fluoranthene
Concen: 13.78 ng
RT: 15.021 min Scan# 2199
Delta R.T. -0.029 min
Lab File: BF122851.D
Acq: 24 Dec 2020 11:15

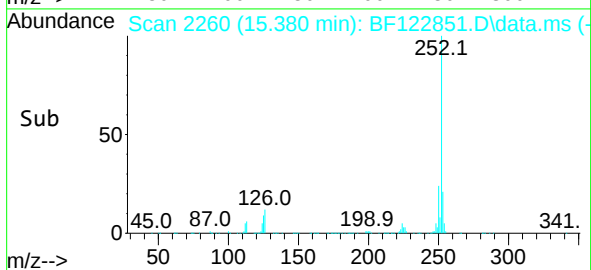
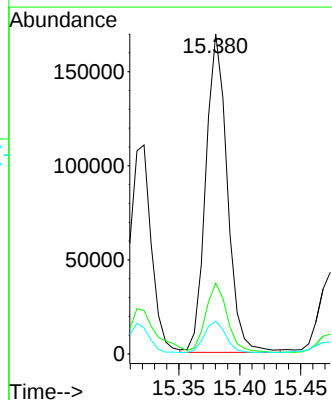
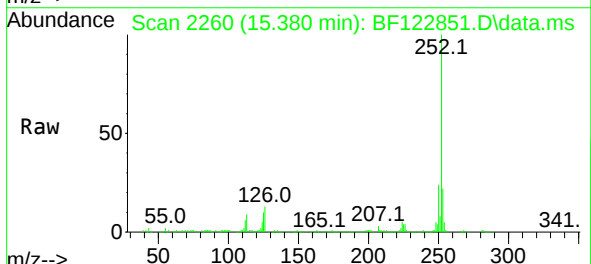
Instrument :
BNA_F
ClientSampleId :
22

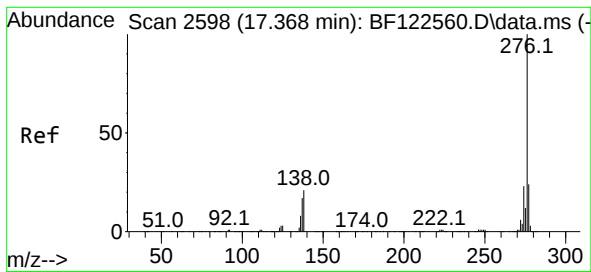
Tgt Ion:252 Resp: 334336
Ion Ratio Lower Upper
252 100
253 22.2 17.8 26.8
125 10.0 8.4 12.6



#90
Benzo(a)pyrene
Concen: 8.96 ng
RT: 15.380 min Scan# 2260
Delta R.T. -0.000 min
Lab File: BF122851.D
Acq: 24 Dec 2020 11:15

Tgt Ion:252 Resp: 208051
Ion Ratio Lower Upper
252 100
253 22.1 17.5 26.3
125 10.2 8.6 12.8





#92

Benzo(g,h,i)perylene

Concen: 6.40 ng

RT: 17.327 min Scan# 2591

Delta R.T. -0.000 min

Lab File: BF122851.D

Acq: 24 Dec 2020 11:15

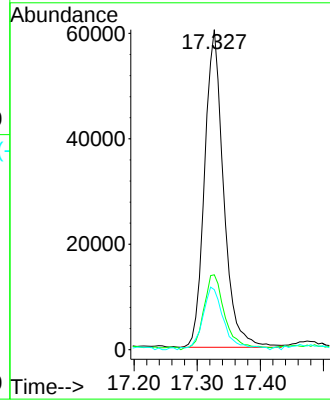
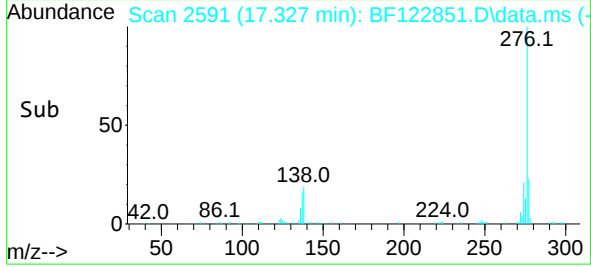
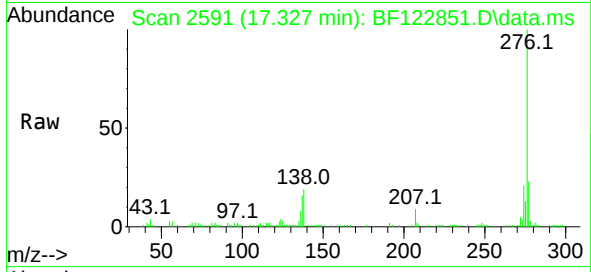
Tgt Ion: 276 Resp: 125924

Ion Ratio Lower Upper

276 100

277 23.4 19.3 28.9

138 18.8 16.6 24.8



Instrument :

BNA_F

ClientSampleId :

22