

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF122920\
 Data File : BF122871.D
 Acq On : 29 Dec 2020 19:14
 Operator : JU/CG
 Sample : L5221-02
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 124021

Quant Time: Dec 29 23:38:55 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)

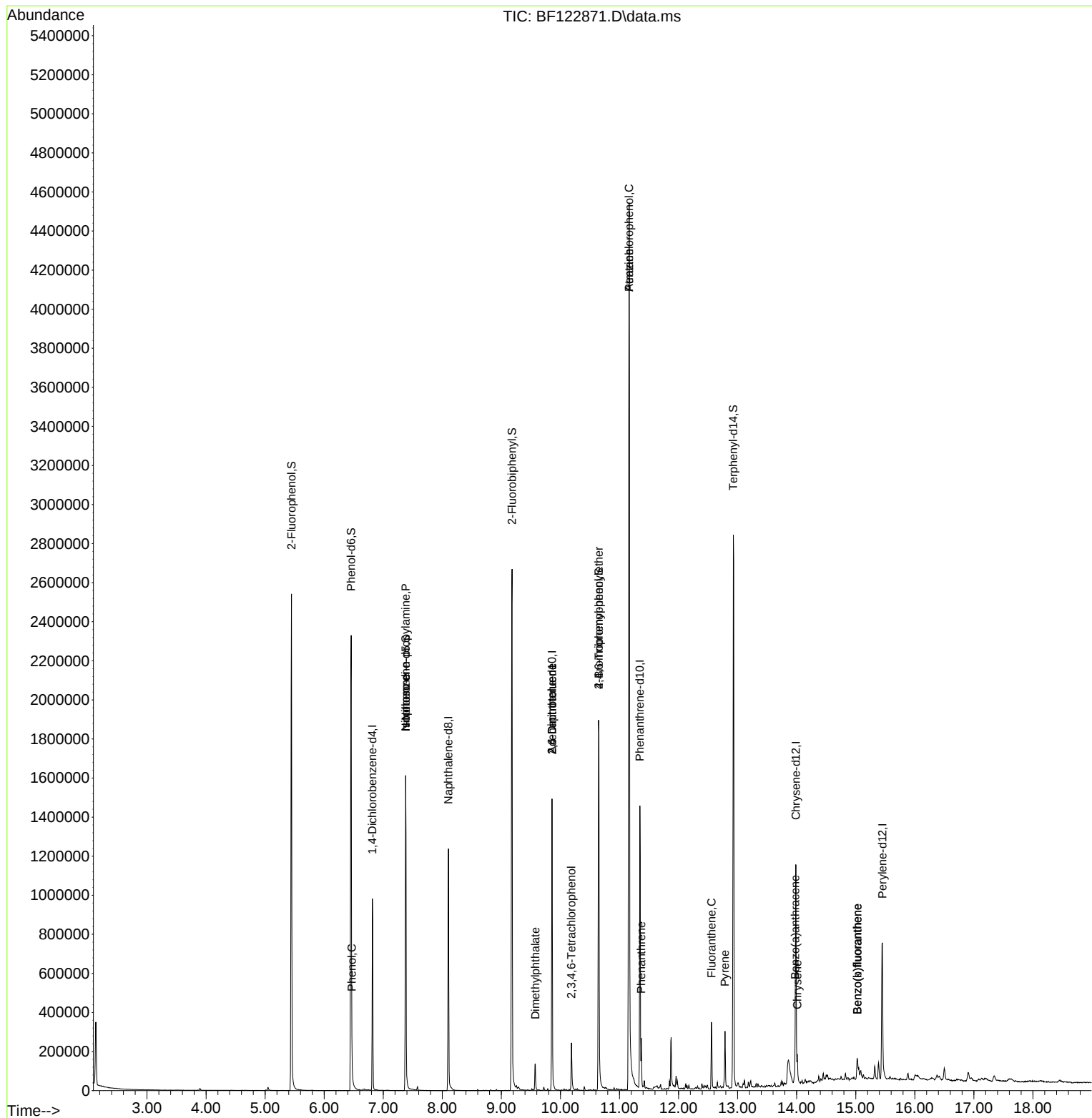
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.816	152	154390	20.00	ng	0.00
21) Naphthalene-d8	8.104	136	589343	20.00	ng	0.00
39) Acenaphthene-d10	9.857	164	306875	20.00	ng	0.00
64) Phenanthrene-d10	11.345	188	537648	20.00	ng	0.00
76) Chrysene-d12	13.986	240	381638	20.00	ng	0.00
86) Perylene-d12	15.451	264	354600	20.00	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.446	112	756772	77.60	ng	0.01
7) Phenol-d6	6.457	99	912848	70.58	ng	0.00
23) Nitrobenzene-d5	7.381	82	593740	50.48	ng	-0.01
42) 2,4,6-Tribromophenol	10.651	330	294868	73.41	ng	0.00
45) 2-Fluorobiphenyl	9.181	172	975287	42.99	ng	0.00
79) Terphenyl-d14	12.927	244	1049432	48.13	ng	0.00
Target Compounds						Qvalue
10) Phenol	6.469	94	46270	3.45	ng	93
19) n-Nitroso-di-n-propyla...	7.381	70	76872	10.38	ng	# 77
25) Isophorone	7.381	82	593738	29.31	ng	# 65
50) Dimethylphthalate	9.575	163	70734	2.89	ng	99
51) 2,6-Dinitrotoluene	9.857	165	39755	7.68	ng	# 31
57) 2,4-Dinitrotoluene	9.857	165	39756	5.77	ng	# 25
59) 2,3,4,6-Tetrachlorophenol	10.186	232	39555	6.20	ng	# 99
67) 4-Bromophenyl-phenylether	10.651	248	18558	2.55	ng	# 1
69) Atrazine	11.163	200	136055	22.05	ng	# 36
70) Pentachlorophenol	11.163	266	754803	176.89	ng	99
71) Phenanthrene	11.369	178	84668	2.65	ng	97
75) Fluoranthene	12.557	202	130272	3.89	ng	97
78) Pyrene	12.786	202	118583	4.02	ng	97
81) Benzo(a)anthracene	13.974	228	52729	2.07	ng	99
83) Chrysene	14.010	228	51534	2.03	ng	98
88) Benzo(b)fluoranthene	15.027	252	82320	3.31	ng	99
89) Benzo(k)fluoranthene	15.027	252	82320	3.62	ng	98

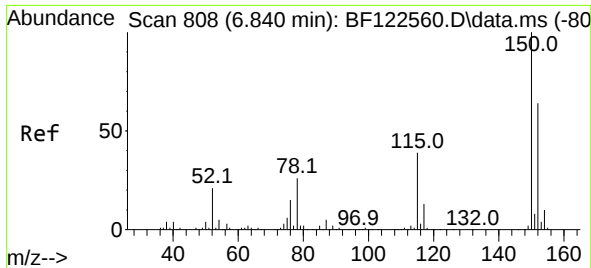
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Tue Dec 15 18:14:23 2020
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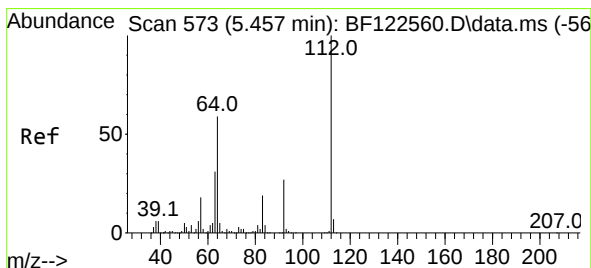
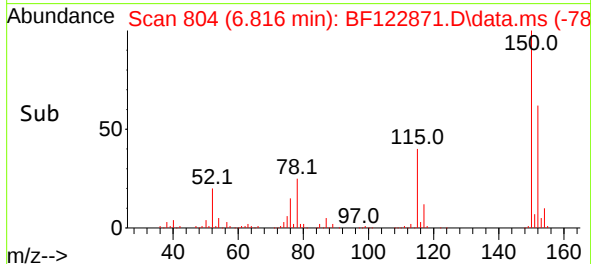
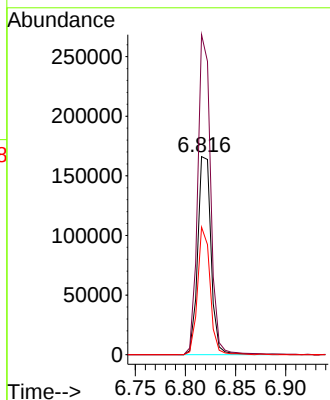
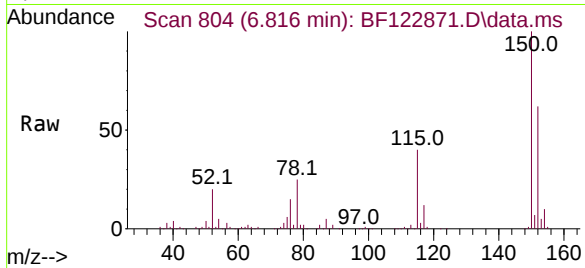




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.00 ng
 RT: 6.816 min Scan# 804
 Delta R.T. -0.006 min
 Lab File: BF122871.D
 Acq: 29 Dec 2020 19:14

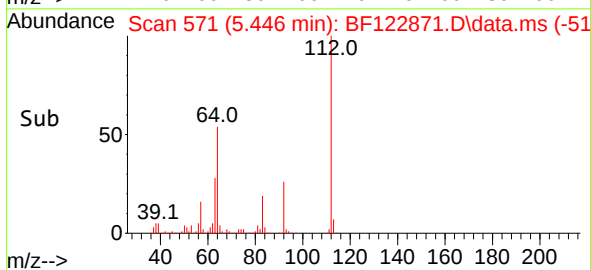
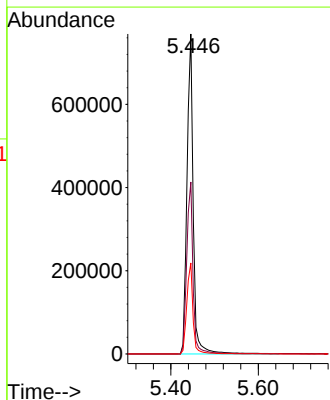
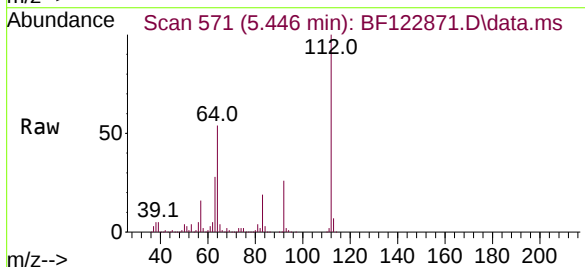
Instrument :
 BNA_F
 ClientSampleId :
 124021

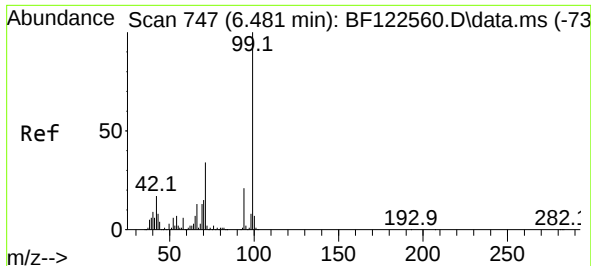
Tgt Ion:152 Resp: 154390
 Ion Ratio Lower Upper
 152 100
 150 161.5 125.8 188.6
 115 64.4 49.3 73.9



#5
 2-Fluorophenol
 Concen: 77.60 ng
 RT: 5.446 min Scan# 571
 Delta R.T. 0.012 min
 Lab File: BF122871.D
 Acq: 29 Dec 2020 19:14

Tgt Ion:112 Resp: 756772
 Ion Ratio Lower Upper
 112 100
 64 53.8 46.9 70.3
 63 28.5 24.5 36.7

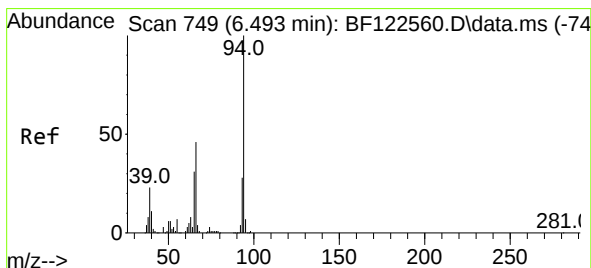
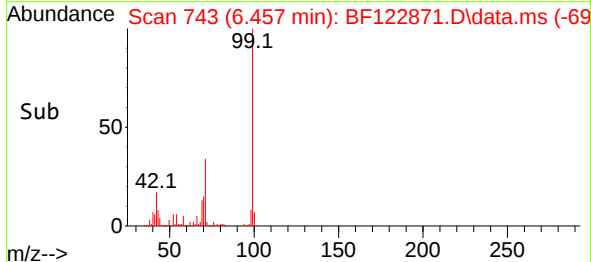
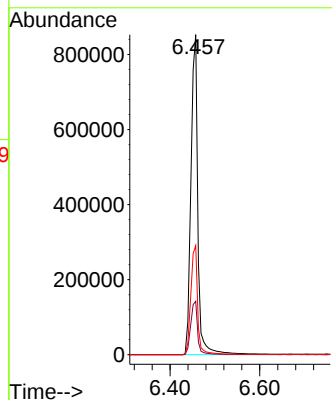
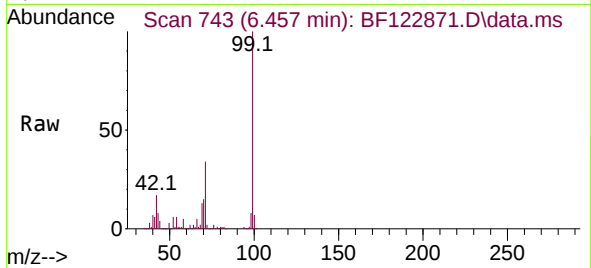




#7
Phenol-d6
Concen: 70.58 ng
RT: 6.457 min Scan# 743
Delta R.T. -0.000 min
Lab File: BF122871.D
Acq: 29 Dec 2020 19:14

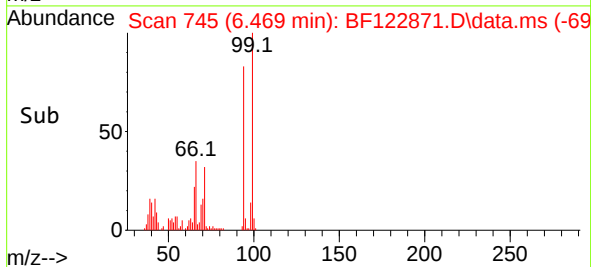
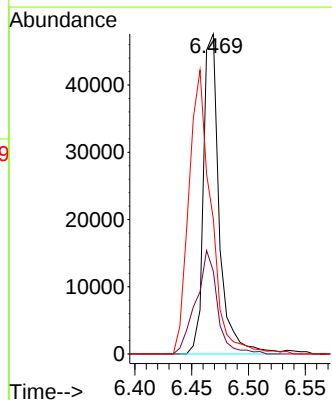
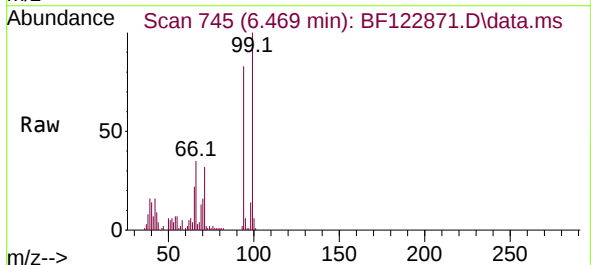
Instrument :
BNA_F
ClientSampleId :
124021

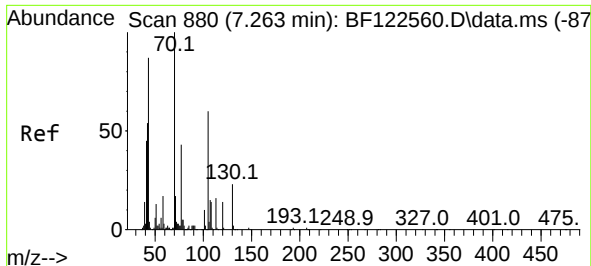
Tgt Ion: 99 Resp: 912848
Ion Ratio Lower Upper
99 100
42 16.7 13.8 20.6
71 34.1 26.9 40.3



#10
Phenol
Concen: 3.45 ng
RT: 6.469 min Scan# 745
Delta R.T. -0.000 min
Lab File: BF122871.D
Acq: 29 Dec 2020 19:14

Tgt Ion: 94 Resp: 46270
Ion Ratio Lower Upper
94 100
65 25.8 11.2 51.2
66 42.2 25.8 65.8

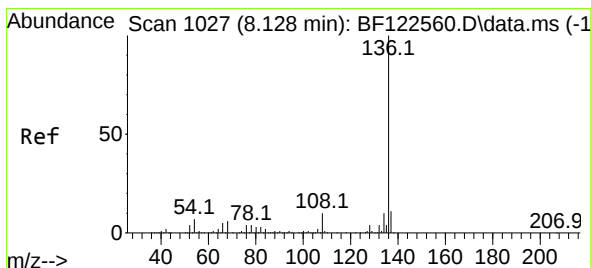
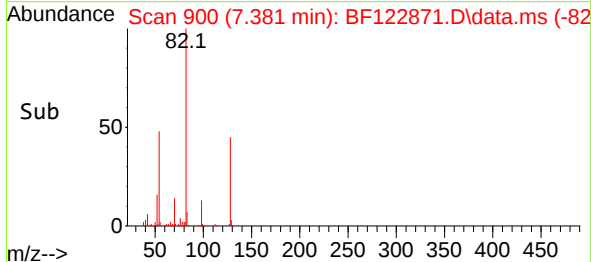
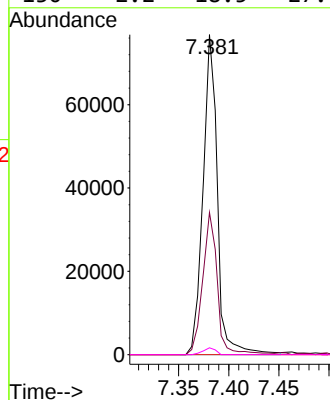
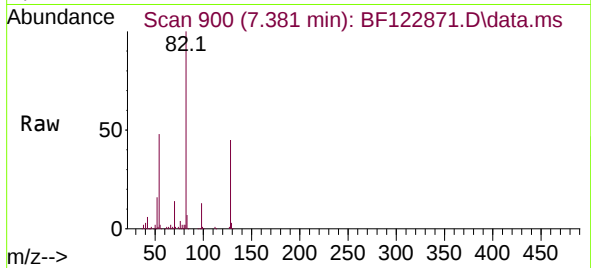




#19
n-Nitroso-di-n-propylamine
Concen: 10.38 ng
RT: 7.381 min Scan# 900
Delta R.T. 0.141 min
Lab File: BF122871.D
Acq: 29 Dec 2020 19:14

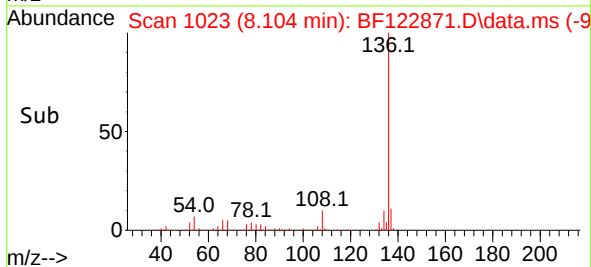
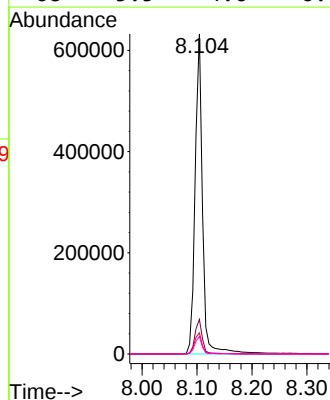
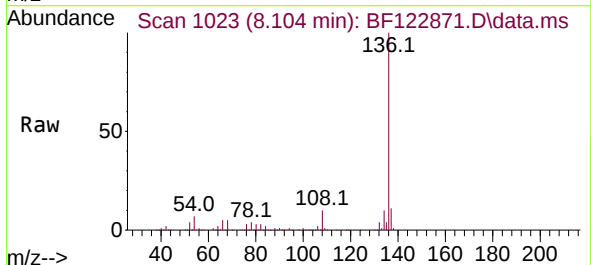
Instrument :
BNA_F
ClientSampleId :
124021

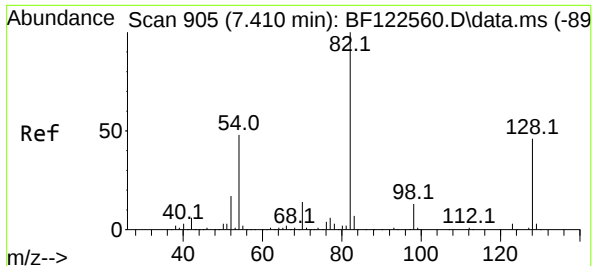
Tgt Ion: 70	Resp: 76872
Ion Ratio	Lower Upper
70 100	
42 44.5	43.0 64.4
101 0.0	7.9 11.9#
130 2.2	18.5 27.7#



#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.104 min Scan# 1023
Delta R.T. -0.006 min
Lab File: BF122871.D
Acq: 29 Dec 2020 19:14

Tgt Ion: 136	Resp: 589343
Ion Ratio	Lower Upper
136 100	
137 10.8	8.8 13.2
54 6.6	5.5 8.3
68 5.5	4.6 6.8





#23

Nitrobenzene-d5

Concen: 50.48 ng

RT: 7.381 min Scan# 900

Delta R.T. -0.012 min

Lab File: BF122871.D

Acq: 29 Dec 2020 19:14

Tgt Ion: 82 Resp: 593740

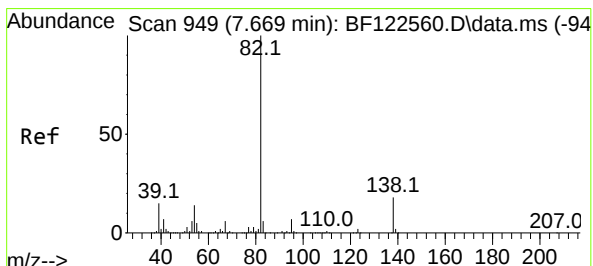
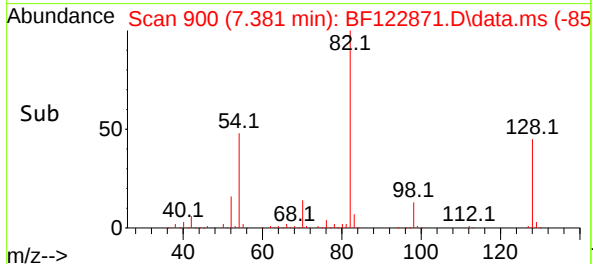
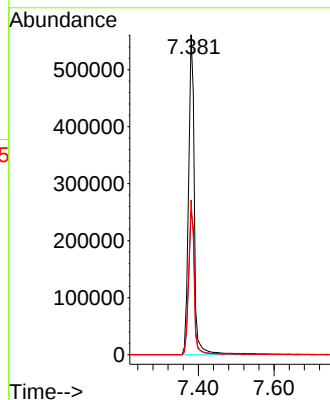
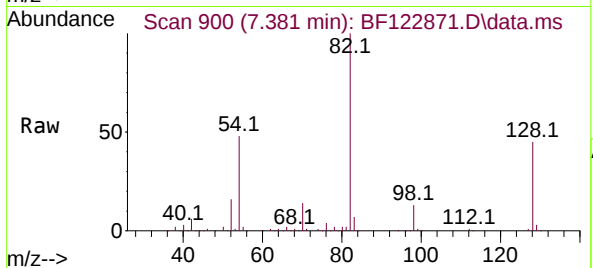
Ion	Ratio	Lower	Upper
82	100		
128	44.9	37.0	55.4
54	48.3	38.4	57.6

Instrument :

BNA_F

ClientSampleId :

124021



#25

Isophorone

Concen: 29.31 ng

RT: 7.381 min Scan# 900

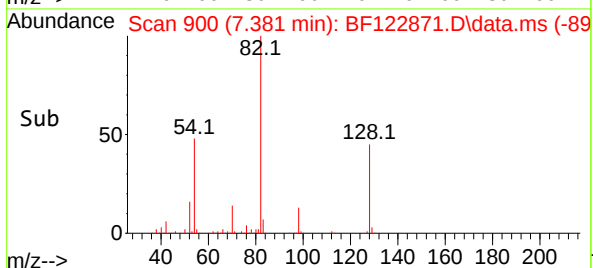
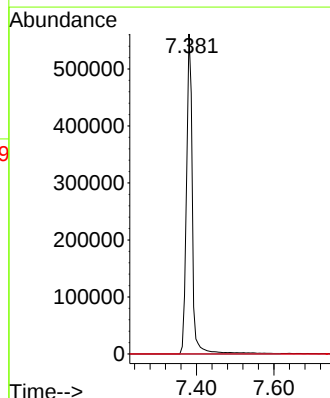
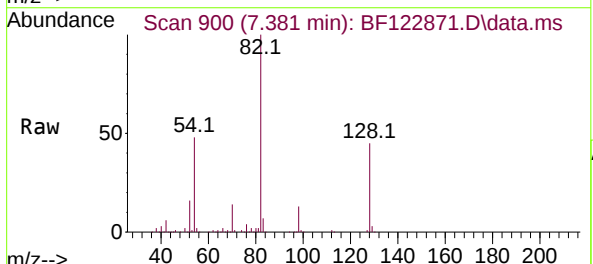
Delta R.T. -0.265 min

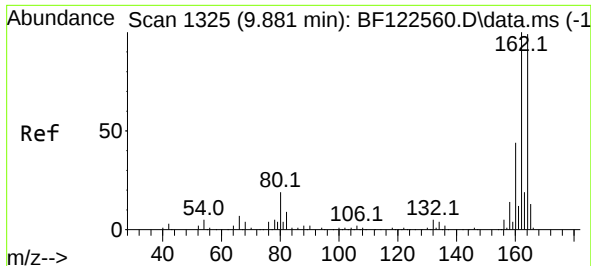
Lab File: BF122871.D

Acq: 29 Dec 2020 19:14

Tgt Ion: 82 Resp: 593738

Ion	Ratio	Lower	Upper
82	100		
95	0.0	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: BF122871.D

Acq: 29 Dec 2020 19:14

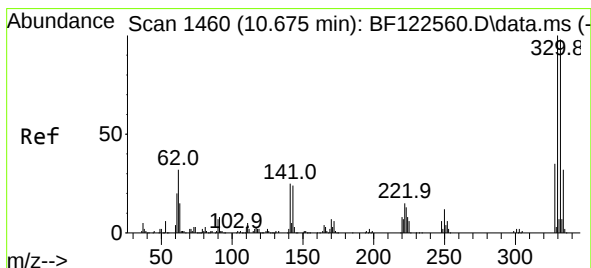
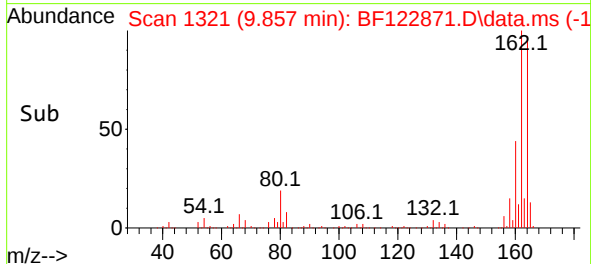
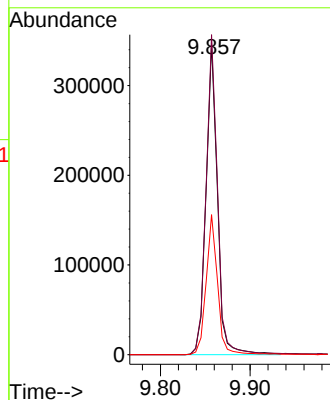
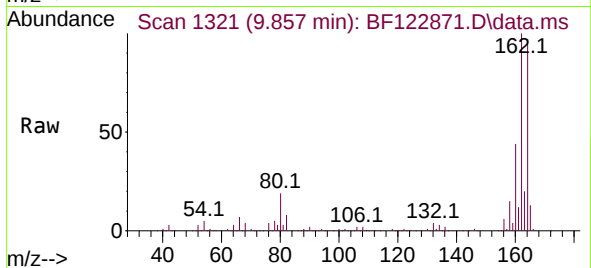
Tgt Ion:164 Resp: 306875

Ion Ratio Lower Upper

164 100

162 102.9 80.8 121.2

160 45.0 35.4 53.0



#42

2,4,6-Tribromophenol

Concen: 73.41 ng

RT: 10.651 min Scan# 1456

Delta R.T. -0.000 min

Lab File: BF122871.D

Acq: 29 Dec 2020 19:14

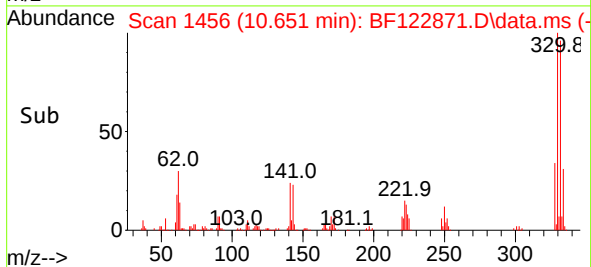
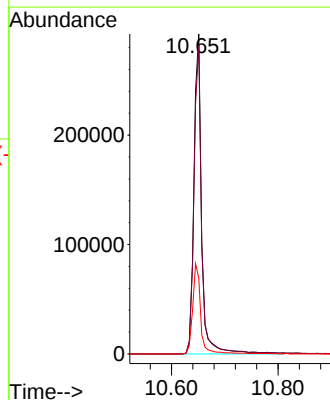
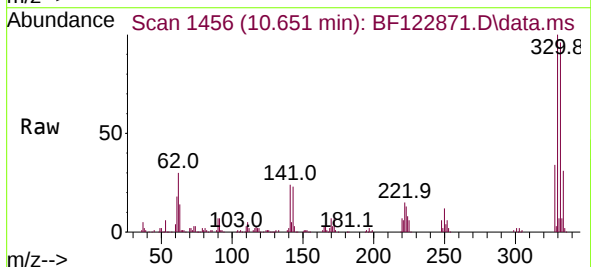
Tgt Ion:330 Resp: 294868

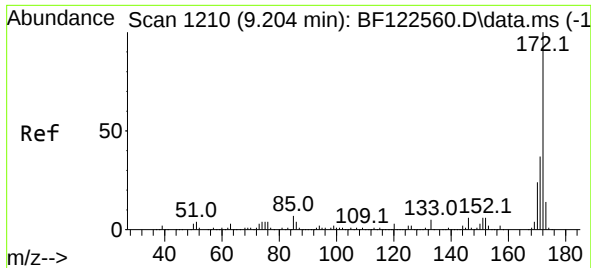
Ion Ratio Lower Upper

330 100

332 95.6 77.5 116.3

141 29.2 23.8 35.8

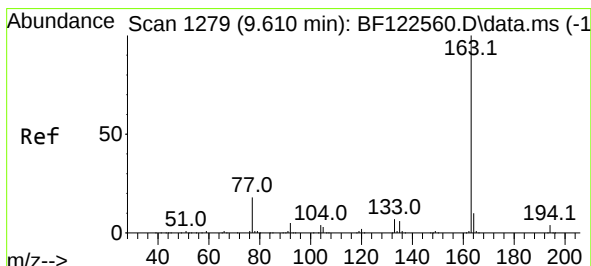
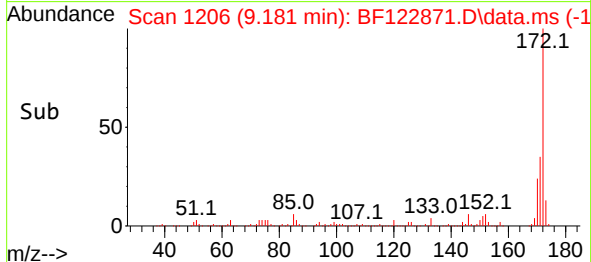
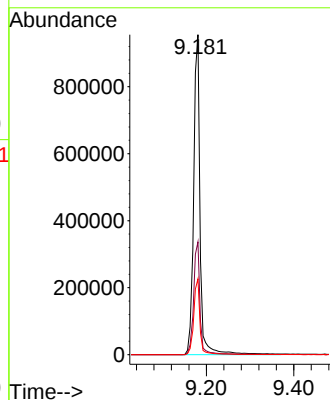
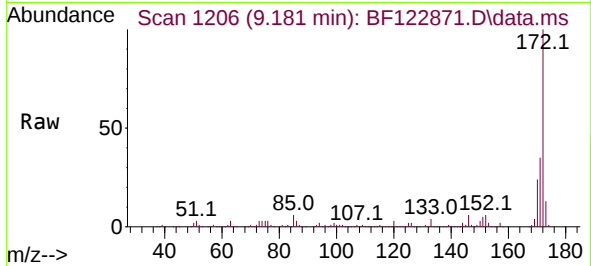




#45
2-Fluorobiphenyl
Concen: 42.99 ng
RT: 9.181 min Scan# 1206
Delta R.T. -0.006 min
Lab File: BF122871.D
Acq: 29 Dec 2020 19:14

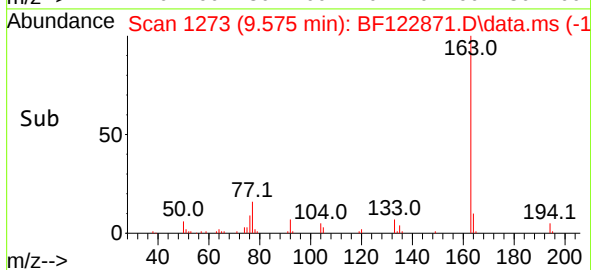
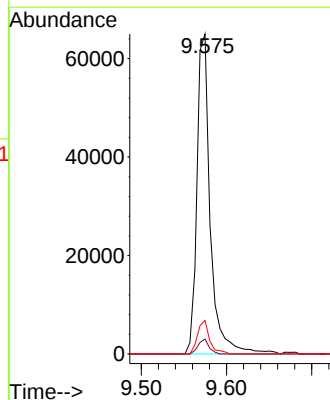
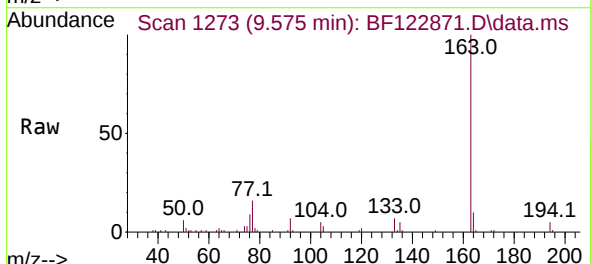
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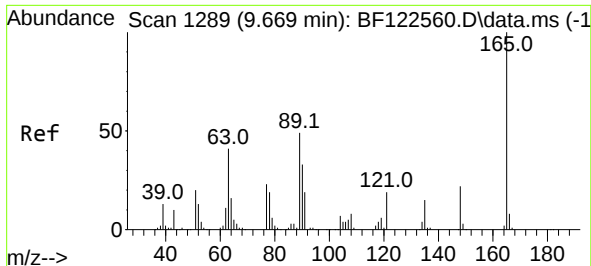
Tgt Ion:	172	Resp:	975287
Ion Ratio	Lower	Upper	
172	100		
171	35.3	29.6	44.4
170	23.7	19.5	29.3



#50
Dimethylphthalate
Concen: 2.89 ng
RT: 9.575 min Scan# 1273
Delta R.T. -0.012 min
Lab File: BF122871.D
Acq: 29 Dec 2020 19:14

Tgt Ion:	163	Resp:	70734
Ion Ratio	Lower	Upper	
163	100		
194	4.7	3.4	5.0
164	10.5	8.1	12.1

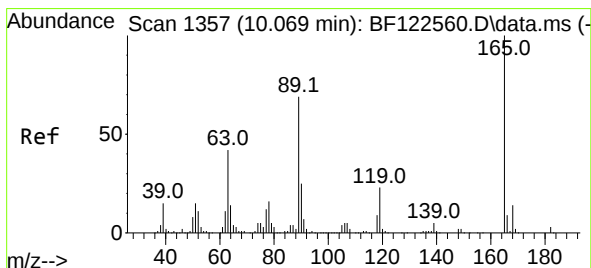
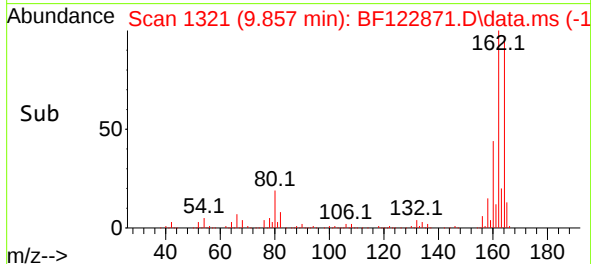
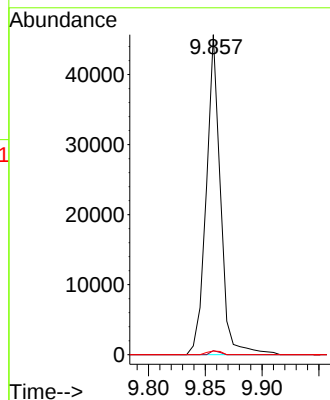
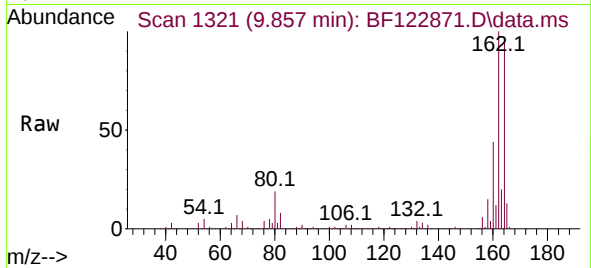




#51
2,6-Dinitrotoluene
Concen: 7.68 ng
RT: 9.857 min Scan# 1321
Delta R.T. 0.212 min
Lab File: BF122871.D
Acq: 29 Dec 2020 19:14

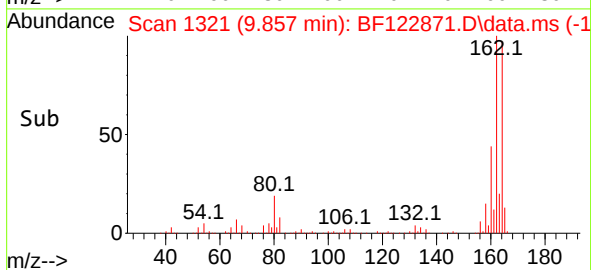
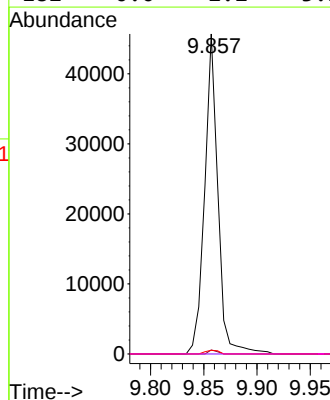
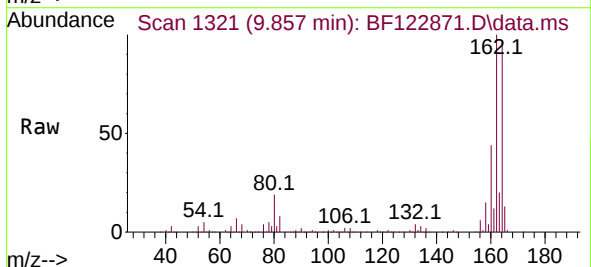
Instrument :
BNA_F
ClientSampleId :
124021

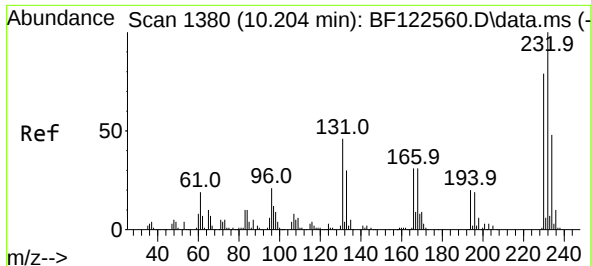
Tgt Ion:165 Resp: 39755
Ion Ratio Lower Upper
165 100
63 1.2 36.6 55.0#
89 1.2 39.4 59.0#



#57
2,4-Dinitrotoluene
Concen: 5.77 ng
RT: 9.857 min Scan# 1321
Delta R.T. -0.194 min
Lab File: BF122871.D
Acq: 29 Dec 2020 19:14

Tgt Ion:165 Resp: 39756
Ion Ratio Lower Upper
165 100
63 1.2 34.3 51.5#
89 1.2 55.2 82.8#
182 0.0 2.2 3.2#

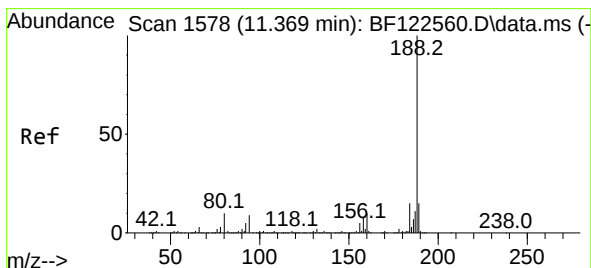
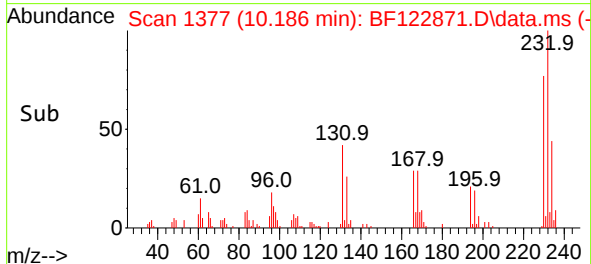
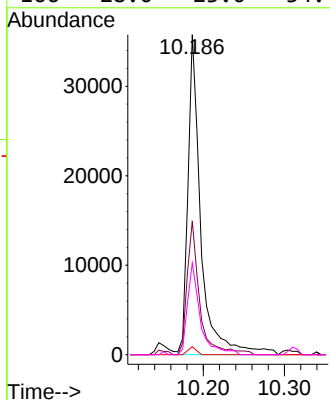
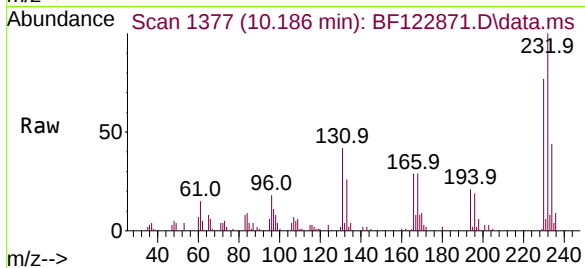




#59
2,3,4,6-Tetrachlorophenol
Concen: 6.20 ng
RT: 10.186 min Scan# 1377
Delta R.T. -0.000 min
Lab File: BF122871.D
Acq: 29 Dec 2020 19:14

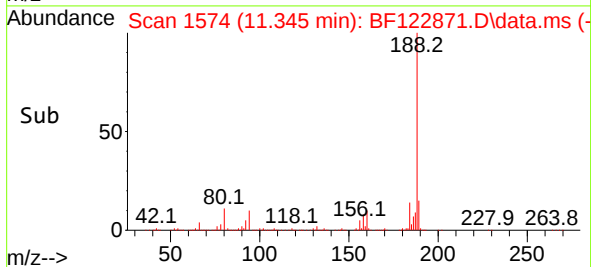
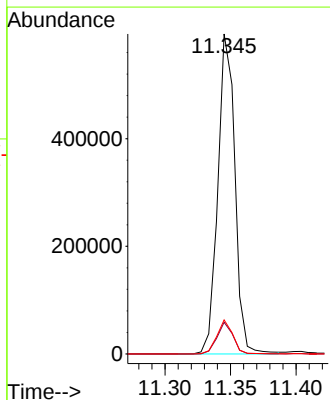
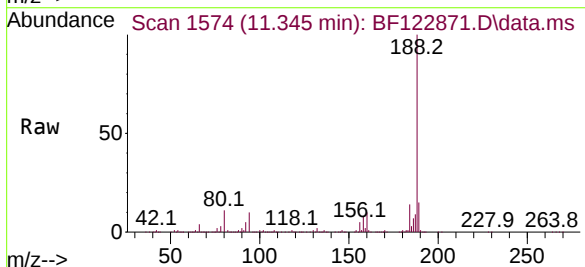
Instrument :
BNA_F
ClientSampleId :
124021

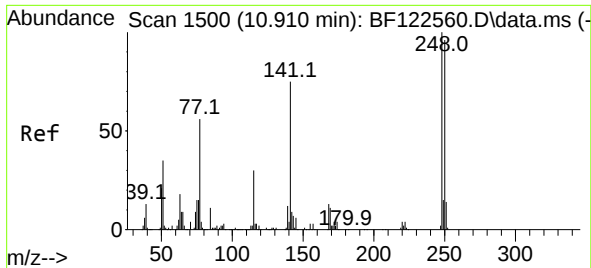
Tgt Ion:232 Resp: 39555
Ion Ratio Lower Upper
232 100
131 40.5 33.0 49.4
130 1.6 1.7 2.5#
166 28.0 23.0 34.4



#64
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.345 min Scan# 1574
Delta R.T. -0.000 min
Lab File: BF122871.D
Acq: 29 Dec 2020 19:14

Tgt Ion:188 Resp: 537648
Ion Ratio Lower Upper
188 100
94 9.9 7.4 11.2
80 10.6 8.2 12.4

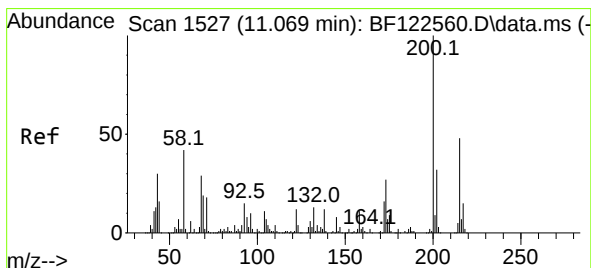
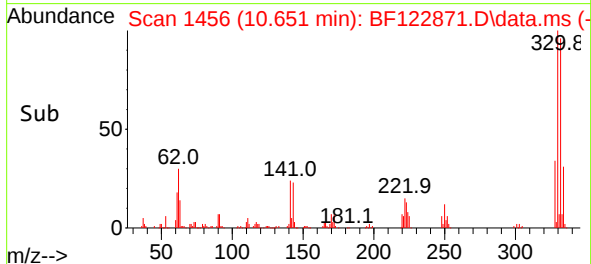
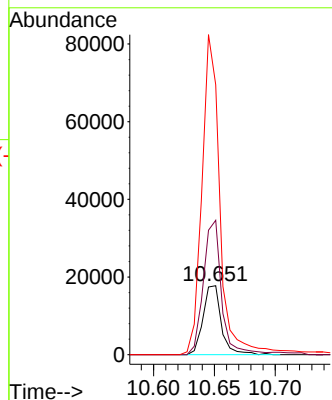
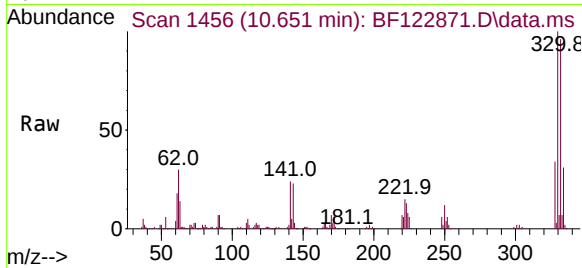




#67
4-Bromophenyl-phenylether
Concen: 2.55 ng
RT: 10.651 min Scan# 1456
Delta R.T. -0.241 min
Lab File: BF122871.D
Acq: 29 Dec 2020 19:14

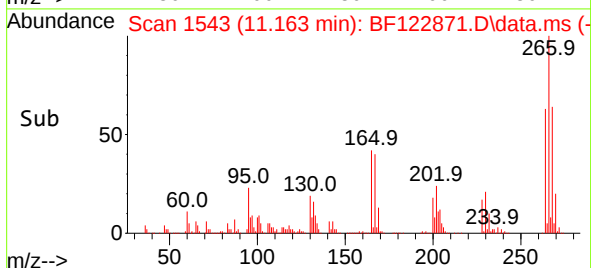
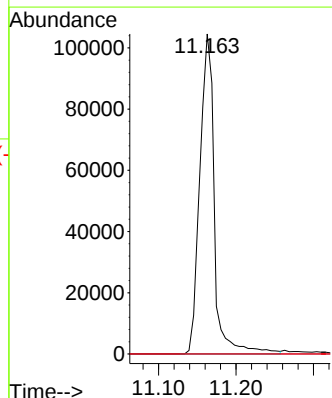
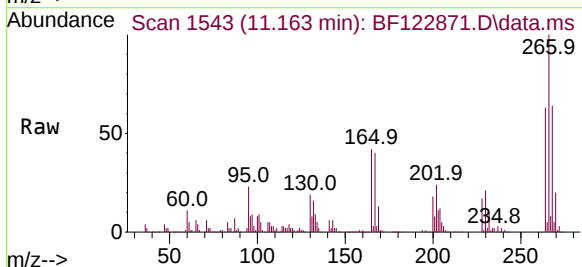
Instrument :
BNA_F
ClientSampleId :
124021

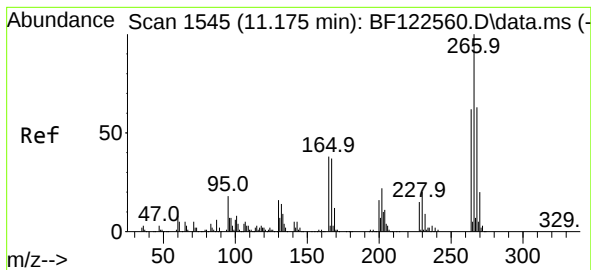
Tgt Ion:248 Resp: 18558
Ion Ratio Lower Upper
248 100
250 194.7 76.8 115.2#
141 391.0 59.8 89.8#



#69
Atrazine
Concen: 22.05 ng
RT: 11.163 min Scan# 1543
Delta R.T. 0.118 min
Lab File: BF122871.D
Acq: 29 Dec 2020 19:14

Tgt Ion:200 Resp: 136055
Ion Ratio Lower Upper
200 100
173 0.0 6.6 46.6#
215 0.0 28.1 68.1#

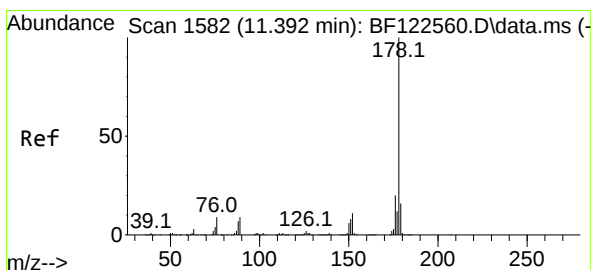
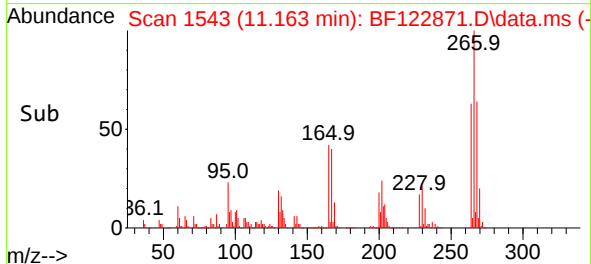
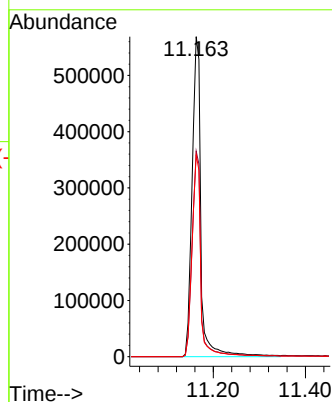
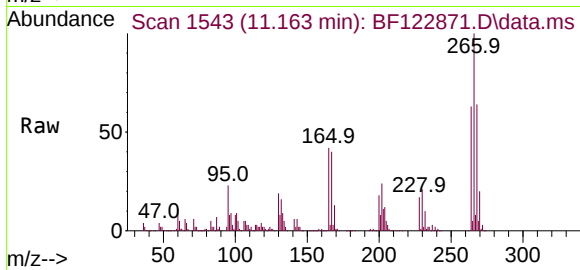




#70
Pentachlorophenol
Concen: 176.89 ng
RT: 11.163 min Scan# 1543
Delta R.T. 0.012 min
Lab File: BF122871.D
Acq: 29 Dec 2020 19:14

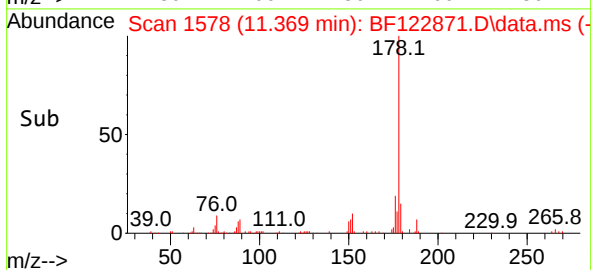
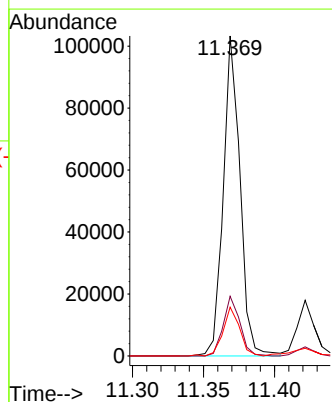
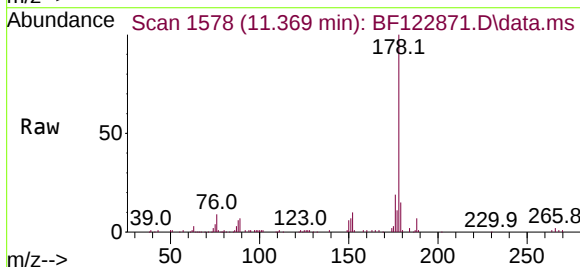
Instrument :
BNA_F
ClientSampleId :
124021

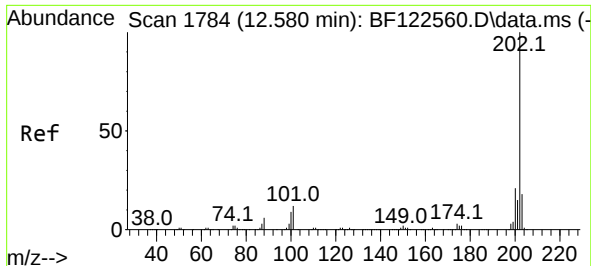
Tgt Ion:266 Resp: 754803
Ion Ratio Lower Upper
266 100
268 64.2 50.5 75.7
264 63.1 49.8 74.8



#71
Phenanthrene
Concen: 2.65 ng
RT: 11.369 min Scan# 1578
Delta R.T. -0.000 min
Lab File: BF122871.D
Acq: 29 Dec 2020 19:14

Tgt Ion:178 Resp: 84668
Ion Ratio Lower Upper
178 100
176 18.7 16.2 24.2
179 15.3 12.7 19.1

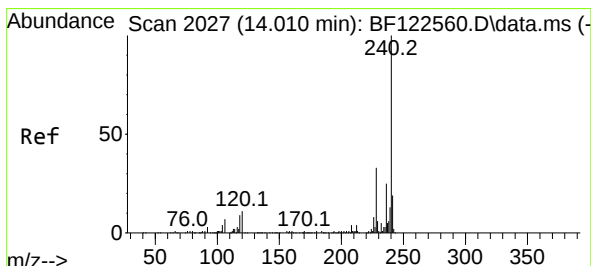
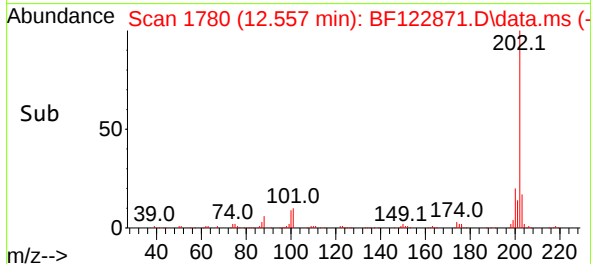
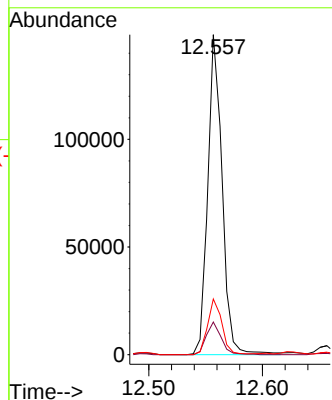
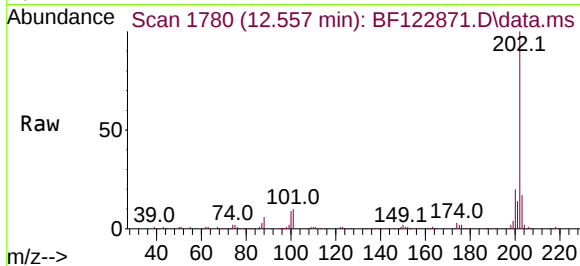




#75
Fluoranthene
Concen: 3.89 ng
RT: 12.557 min Scan# 1780
Delta R.T. -0.000 min
Lab File: BF122871.D
Acq: 29 Dec 2020 19:14

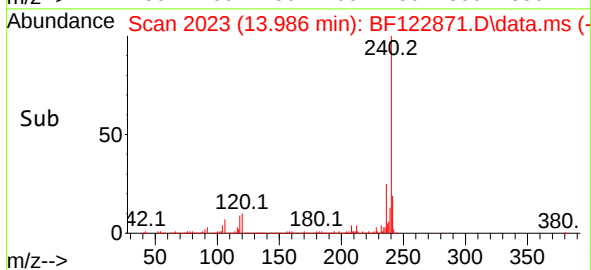
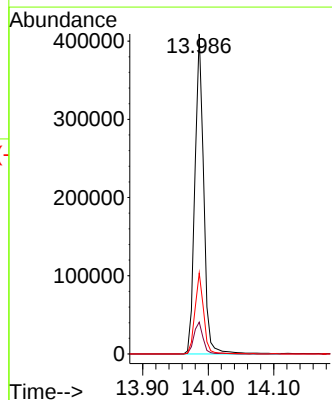
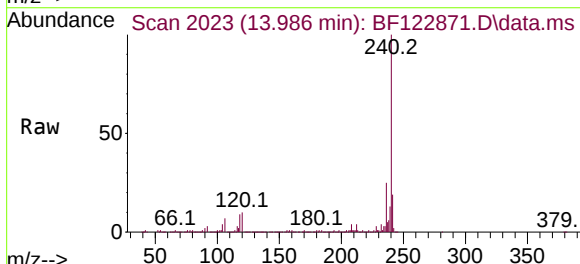
Instrument :
BNA_F
ClientSampleId :
124021

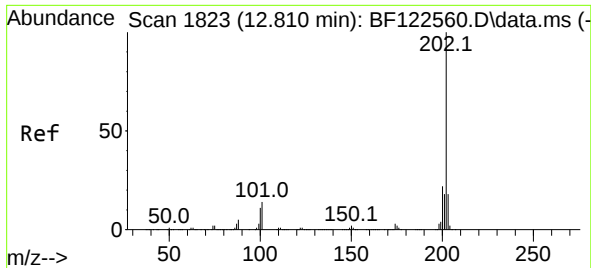
Tgt Ion:202 Resp: 130272
Ion Ratio Lower Upper
202 100
101 10.2 0.0 32.2
203 17.4 0.0 38.1



#76
Chrysene-d12
Concen: 20.00 ng
RT: 13.986 min Scan# 2023
Delta R.T. -0.000 min
Lab File: BF122871.D
Acq: 29 Dec 2020 19:14

Tgt Ion:240 Resp: 381638
Ion Ratio Lower Upper
240 100
120 9.9 8.6 12.8
236 25.3 20.3 30.5

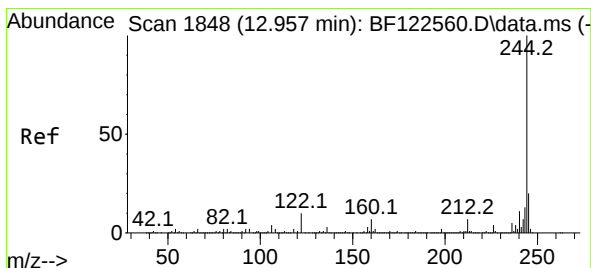
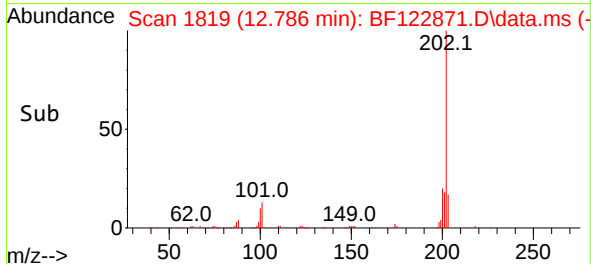
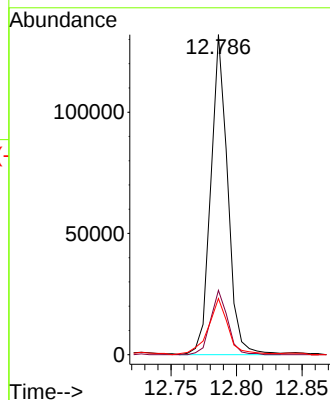
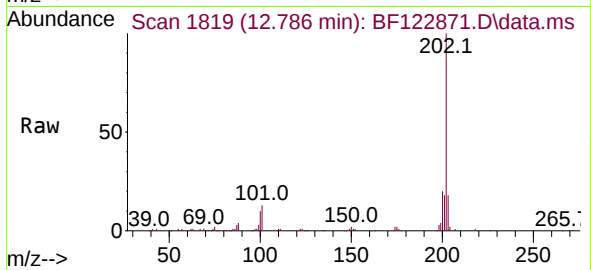




#78
Pyrene
Concen: 4.02 ng
RT: 12.786 min Scan# 1819
Delta R.T. -0.000 min
Lab File: BF122871.D
Acq: 29 Dec 2020 19:14

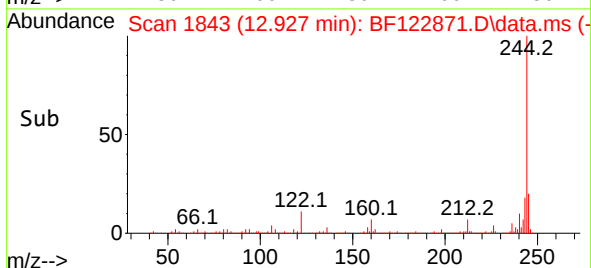
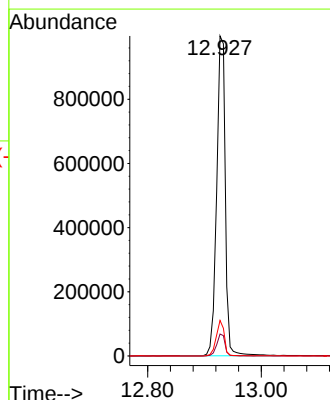
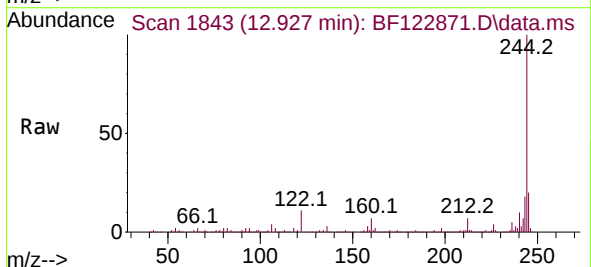
Instrument :
BNA_F
ClientSampleId :
124021

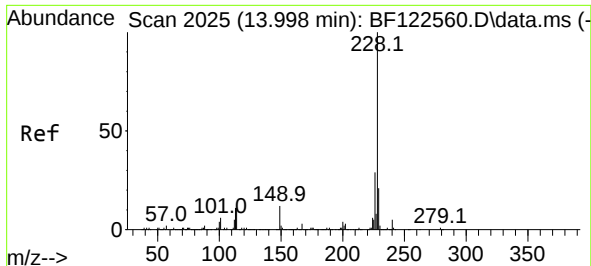
Tgt Ion:202 Resp: 118583
Ion Ratio Lower Upper
202 100
200 20.1 17.6 26.4
203 17.6 14.6 21.8



#79
Terphenyl-d14
Concen: 48.13 ng
RT: 12.927 min Scan# 1843
Delta R.T. -0.006 min
Lab File: BF122871.D
Acq: 29 Dec 2020 19:14

Tgt Ion:244 Resp: 1049432
Ion Ratio Lower Upper
244 100
212 6.8 5.7 8.5
122 11.1 8.3 12.5

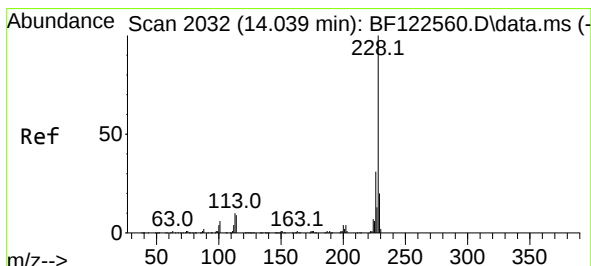
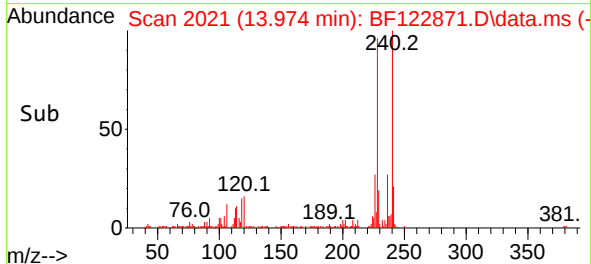
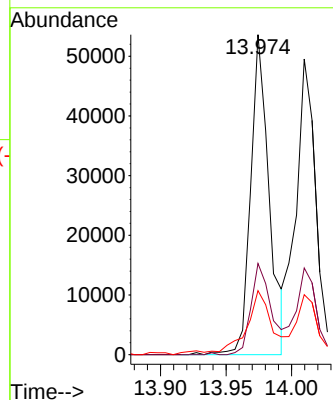
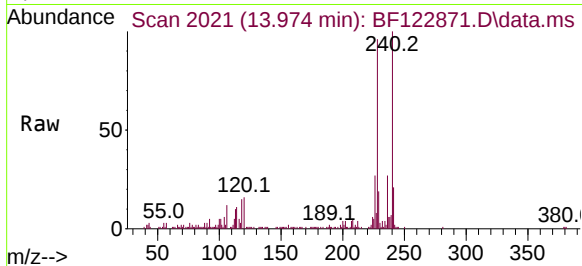




#81
Benzo(a)anthracene
Concen: 2.07 ng
RT: 13.974 min Scan# 2021
Delta R.T. -0.000 min
Lab File: BF122871.D
Acq: 29 Dec 2020 19:14

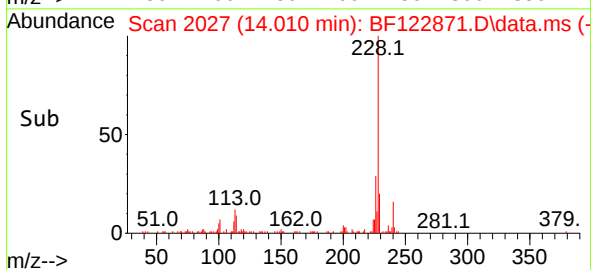
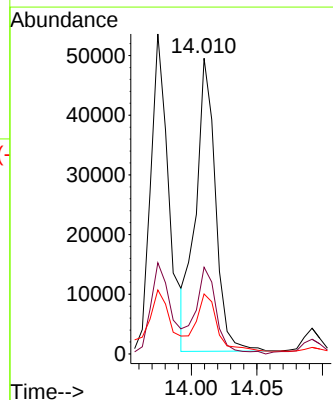
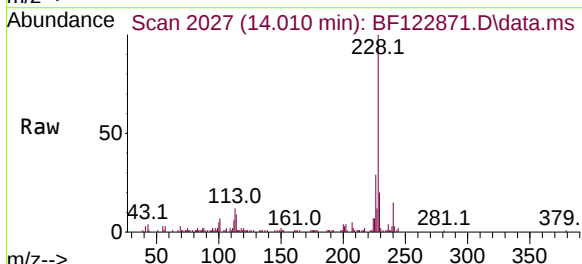
Instrument :
BNA_F
ClientSampleId :
124021

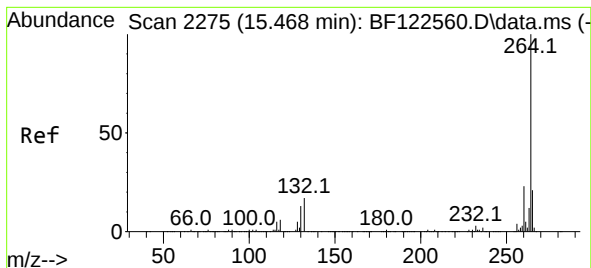
Tgt Ion:228 Resp: 52729
Ion Ratio Lower Upper
228 100
226 28.5 23.0 34.4
229 20.0 16.6 24.8



#83
Chrysene
Concen: 2.03 ng
RT: 14.010 min Scan# 2027
Delta R.T. -0.006 min
Lab File: BF122871.D
Acq: 29 Dec 2020 19:14

Tgt Ion:228 Resp: 51534
Ion Ratio Lower Upper
228 100
226 29.3 24.6 36.8
229 20.3 15.8 23.6



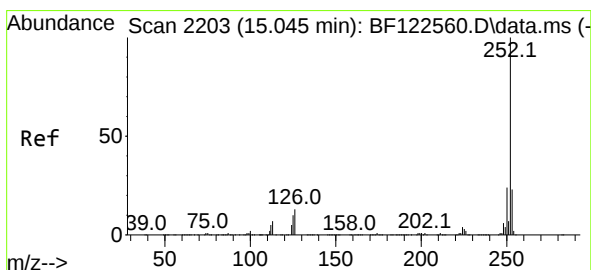
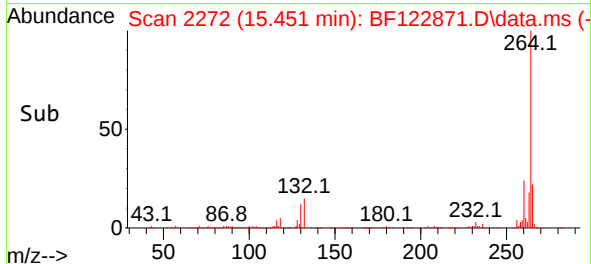
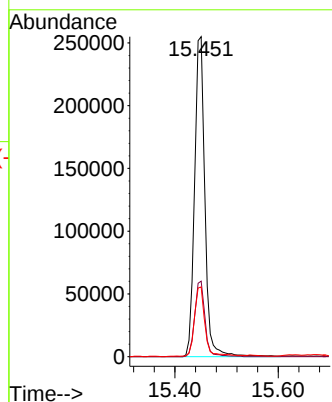
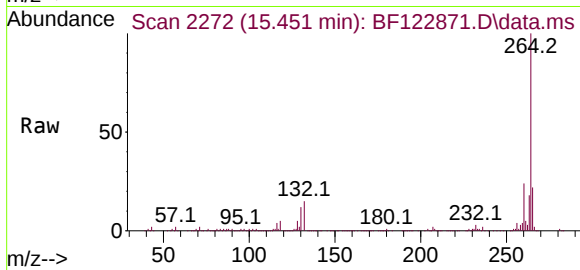


#86
Perylene-d12
Concen: 20.00 ng
RT: 15.451 min Scan# 2272
Delta R.T. 0.012 min
Lab File: BF122871.D
Acq: 29 Dec 2020 19:14

Instrument :
BNA_F
ClientSampleId :
124021

Tgt Ion:264 Resp: 354600

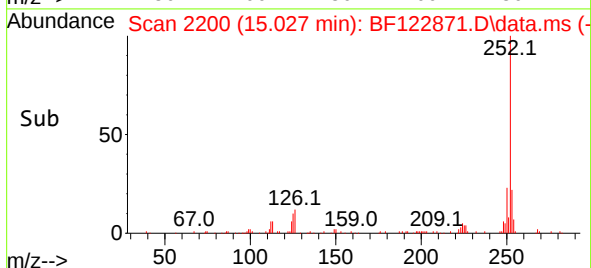
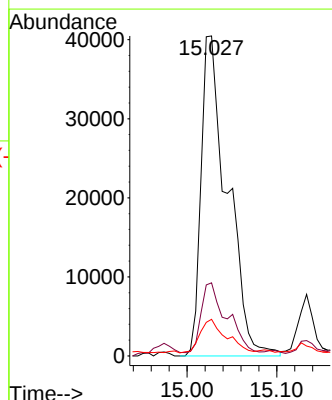
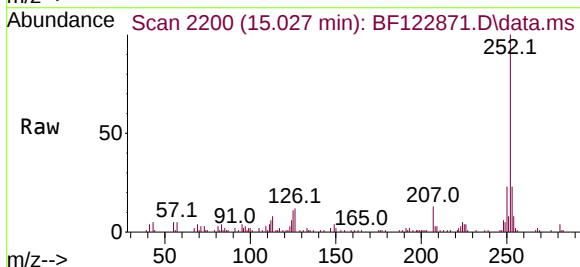
Ion	Ratio	Lower	Upper
264	100		
260	23.6	18.6	28.0
265	21.8	17.0	25.6

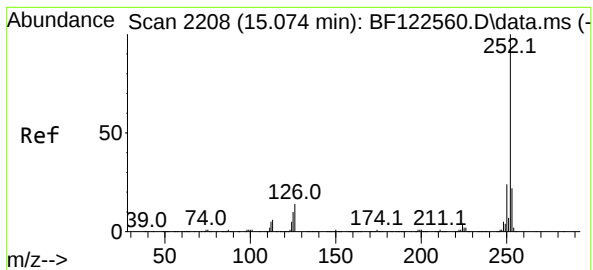


#88
Benzo(b)fluoranthene
Concen: 3.31 ng
RT: 15.027 min Scan# 2200
Delta R.T. 0.006 min
Lab File: BF122871.D
Acq: 29 Dec 2020 19:14

Tgt Ion:252 Resp: 82320

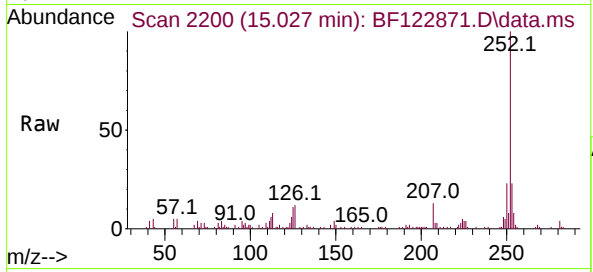
Ion	Ratio	Lower	Upper
252	100		
253	22.8	18.3	27.5
125	11.4	8.1	12.1





#89
 Benzo(k)fluoranthene
 Concen: 3.62 ng
 RT: 15.027 min Scan# 2200
 Delta R.T. -0.024 min
 Lab File: BF122871.D
 Acq: 29 Dec 2020 19:14

Instrument :
 BNA_F
 ClientSampleId :
 124021



Tgt Ion:252 Resp: 82320

Ion	Ratio	Lower	Upper
252	100		
253	22.8	17.8	26.8
125	11.4	8.4	12.6

