

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF123021\
 Data File : BF126436.D
 Acq On : 31 Dec 2021 00:11
 Operator : JU/CG
 Sample : M5244-43
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 CONC-14C

Quant Time: Dec 31 05:38:06 2021
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF122921.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Dec 30 04:30:49 2021
 Response via : Initial Calibration

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

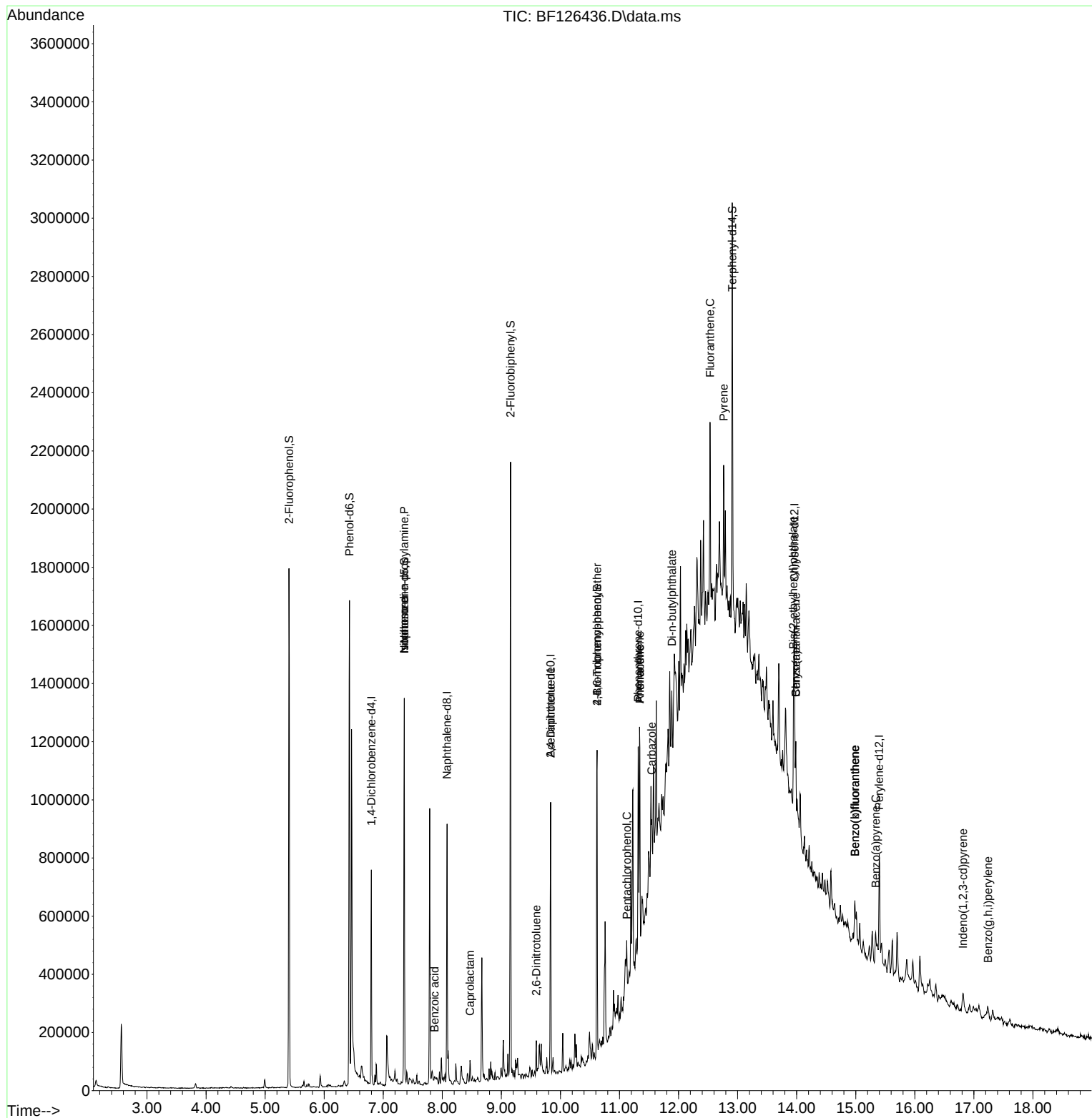
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.798	152	94868	20.000	ng	0.00
21) Naphthalene-d8	8.081	136	354572	20.000	ng	0.00
39) Acenaphthene-d10	9.833	164	166610	20.000	ng	0.00
64) Phenanthrene-d10	11.316	188	273288	20.000	ng	0.00
76) Chrysene-d12	13.963	240	206117	20.000	ng	0.00
86) Perylene-d12	15.398	264	158656	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.404	112	500121	75.706	ng	0.00
7) Phenol-d6	6.428	99	603620	70.547	ng	0.00
23) Nitrobenzene-d5	7.357	82	399458	57.846	ng	0.00
42) 2,4,6-Tribromophenol	10.622	330	115780	89.928	ng	0.00
45) 2-Fluorobiphenyl	9.157	172	572848	60.504	ng	0.00
79) Terphenyl-d14	12.910	244	547386	51.599	ng	0.00
Target Compounds						Qvalue
19) n-Nitroso-di-n-propyla...	7.357	70	48296	9.892	ng	# 79
25) Isophorone	7.357	82	396118	32.044	ng	# 69
32) Benzoic acid	7.869	122	752	7.260	ng	# 26
35) Caprolactam	8.469	113	6921	6.220	ng	# 87
51) 2,6-Dinitrotoluene	9.592	165	8856	3.943	ng	# 31
57) 2,4-Dinitrotoluene	9.833	165	22340	7.709	ng	# 16
67) 4-Bromophenyl-phenylether	10.622	248	6433	2.652	ng	# 1
70) Pentachlorophenol	11.127	266	3030	2.209	ng	94
71) Phenanthrene	11.345	178	274435	19.642	ng	99
72) Anthracene	11.345	178	274435	19.630	ng	100
73) Carbazole	11.545	167	27722	2.025	ng	# 80
74) Di-n-butylphthalate	11.886	149	87330	5.603	ng	97
75) Fluoranthene	12.533	202	265746	20.840	ng	97
77) Benzidine	12.639	184	952	Below Cal		# 1
78) Pyrene	12.763	202	227942	13.086	ng	99
81) Benzo(a)anthracene	13.986	228	96805	8.167	ng	94
83) Chrysene	13.986	228	96805	7.962	ng	98
84) Bis(2-ethylhexyl)phtha...	13.945	149	79703	9.964	ng	98
87) Indeno(1,2,3-cd)pyrene	16.815	276	30647	2.886	ng	95
88) Benzo(b)fluoranthene	14.986	252	99211	10.497	ng	# 94
89) Benzo(k)fluoranthene	14.986	252	99211	10.836	ng	# 92
90) Benzo(a)pyrene	15.339	252	43446	5.482	ng	# 91
92) Benzo(g,h,i)perylene	17.239	276	31650	3.469	ng	# 93

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

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Quant Time: Dec 31 05:38:06 2021
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF122921.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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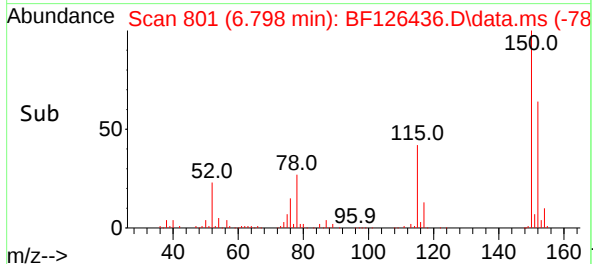
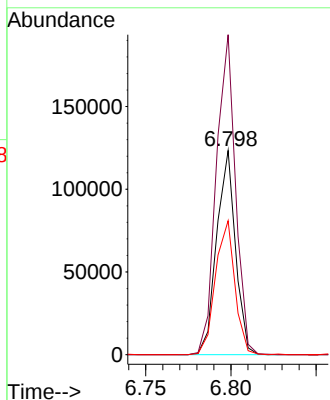
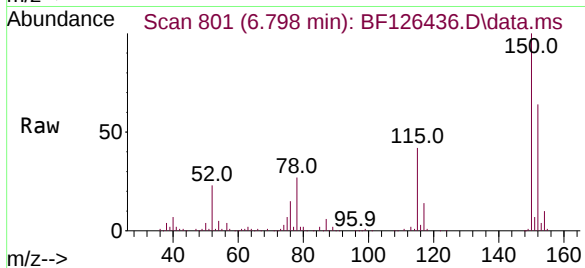




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.798 min Scan# 801
Delta R.T. 0.000 min
Lab File: BF126436.D
Acq: 31 Dec 2021 00:11

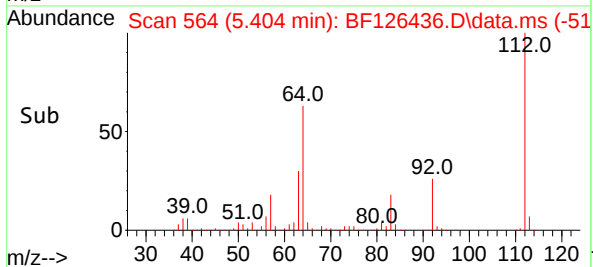
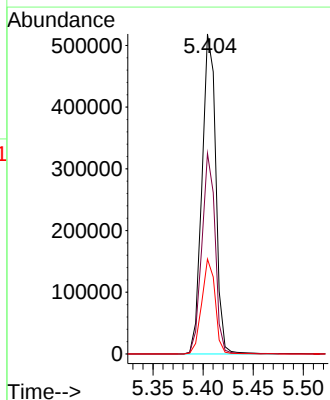
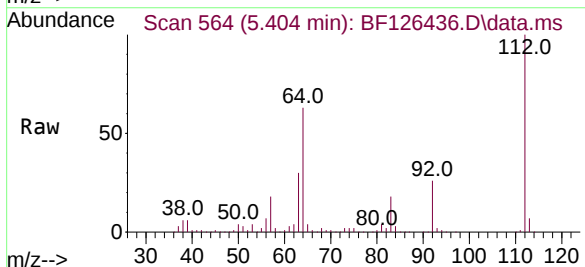
Instrument :
BNA_F
ClientSampleId :
CONC-14C

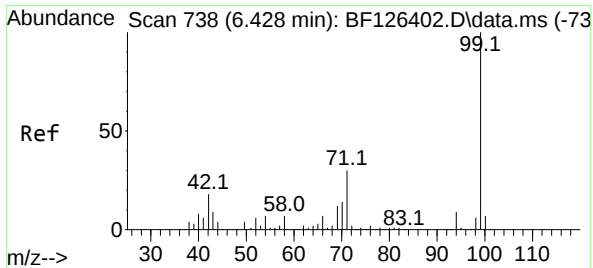
Tgt Ion:152 Resp: 94868
Ion Ratio Lower Upper
152 100
150 156.7 128.1 192.1
115 65.6 56.7 85.1



#5
2-Fluorophenol
Concen: 75.706 ng
RT: 5.404 min Scan# 564
Delta R.T. 0.000 min
Lab File: BF126436.D
Acq: 31 Dec 2021 00:11

Tgt Ion:112 Resp: 500121
Ion Ratio Lower Upper
112 100
64 62.7 49.5 74.3
63 29.6 23.9 35.9

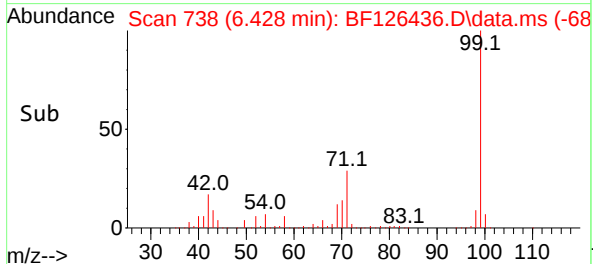
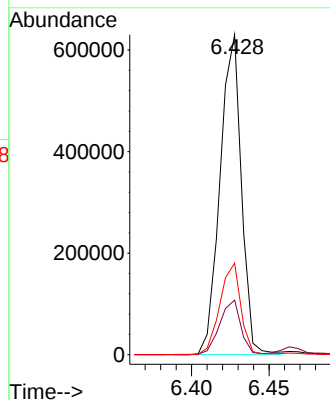
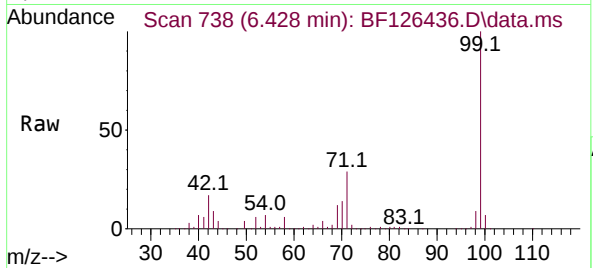




#7
Phenol-d6
Concen: 70.547 ng
RT: 6.428 min Scan# 71
Delta R.T. 0.000 min
Lab File: BF126436.D
Acq: 31 Dec 2021 00:11

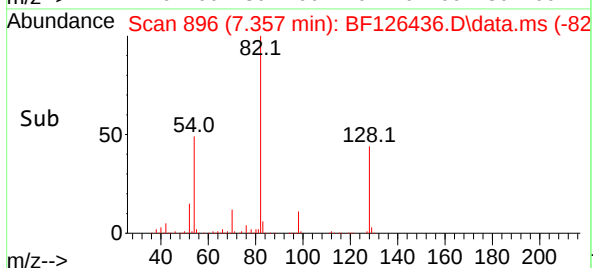
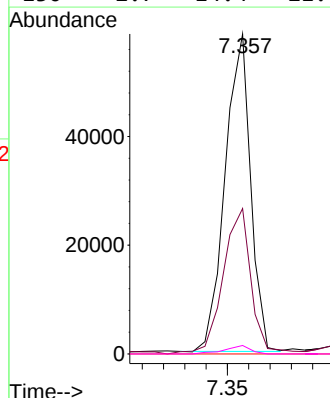
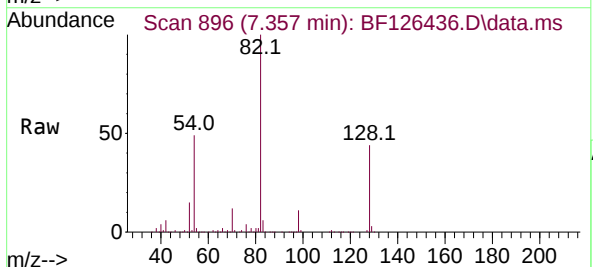
Instrument :
BNA_F
ClientSampleId :
CONC-14C

Tgt Ion: 99 Resp: 603620
Ion Ratio Lower Upper
99 100
42 17.1 14.2 21.4
71 28.6 24.3 36.5



#19
n-Nitroso-di-n-propylamine
Concen: 9.892 ng
RT: 7.357 min Scan# 896
Delta R.T. 0.141 min
Lab File: BF126436.D
Acq: 31 Dec 2021 00:11

Tgt Ion: 70 Resp: 48296
Ion Ratio Lower Upper
70 100
42 45.4 45.8 68.8#
101 0.0 6.9 10.3#
130 2.7 14.4 21.6#

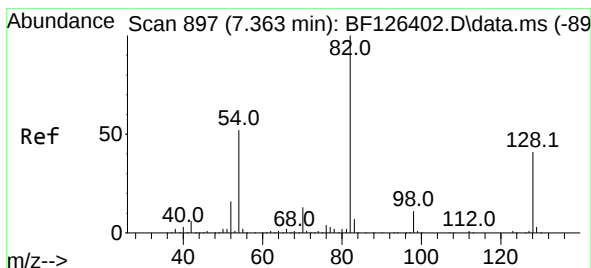
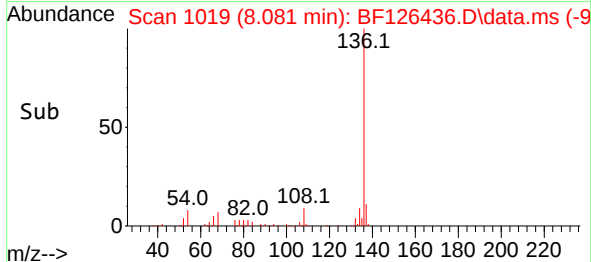
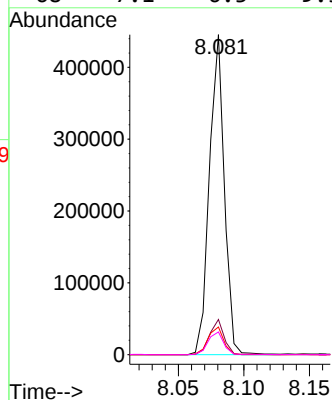
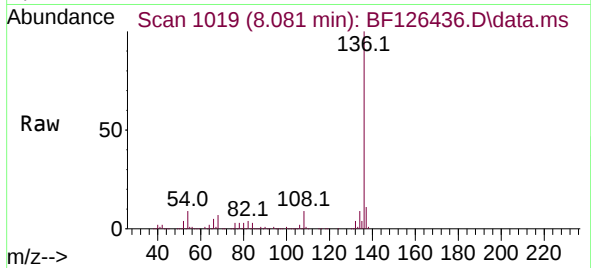




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.081 min Scan# 1019
Delta R.T. 0.000 min
Lab File: BF126436.D
Acq: 31 Dec 2021 00:11

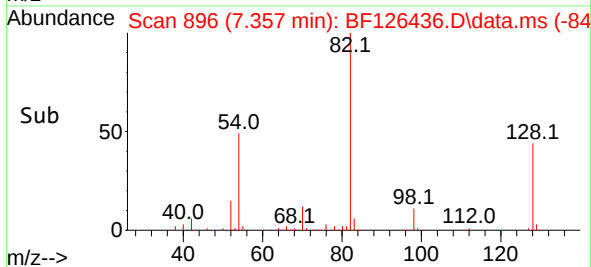
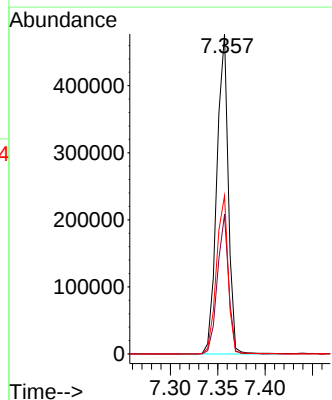
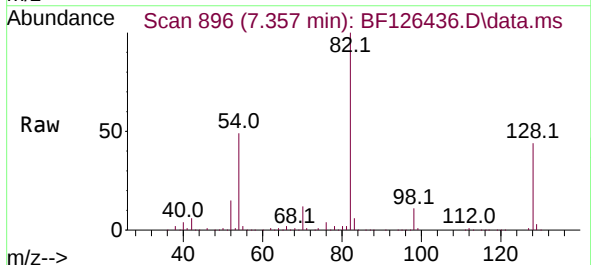
Instrument :
BNA_F
ClientSampleId :
CONC-14C

Tgt Ion:136 Resp: 354572
Ion Ratio Lower Upper
136 100
137 11.0 8.6 13.0
54 8.7 7.8 11.6
68 7.1 6.3 9.5



#23
Nitrobenzene-d5
Concen: 57.846 ng
RT: 7.357 min Scan# 896
Delta R.T. -0.006 min
Lab File: BF126436.D
Acq: 31 Dec 2021 00:11

Tgt Ion: 82 Resp: 399458
Ion Ratio Lower Upper
82 100
128 43.6 32.7 49.1
54 49.4 41.7 62.5

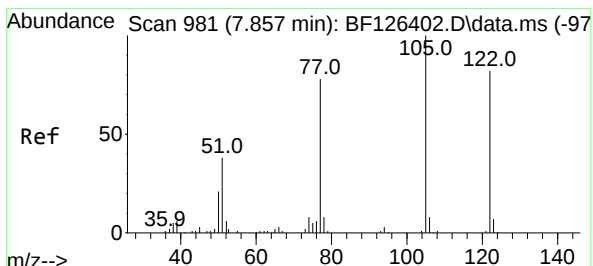
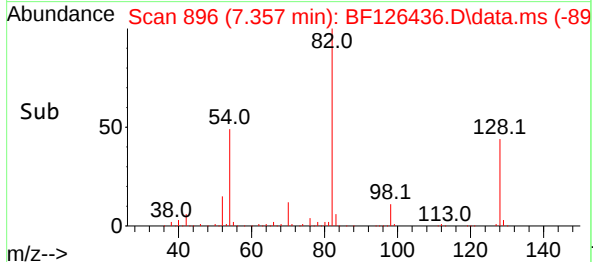
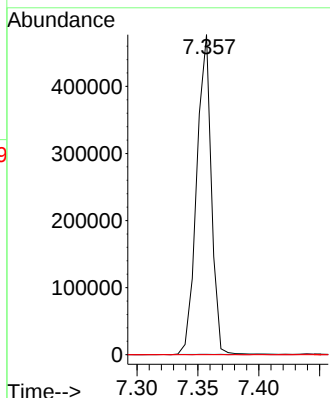
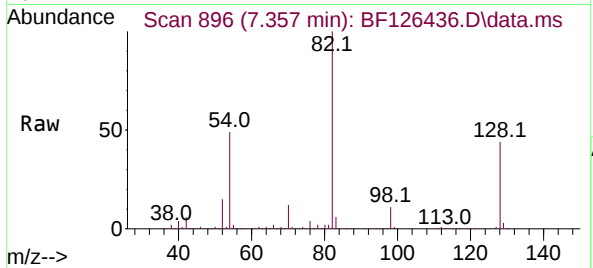




#25
Isophorone
Concen: 32.044 ng
RT: 7.357 min Scan# 896
Delta R.T. -0.265 min
Lab File: BF126436.D
Acq: 31 Dec 2021 00:11

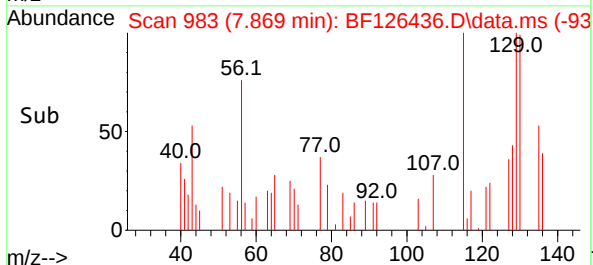
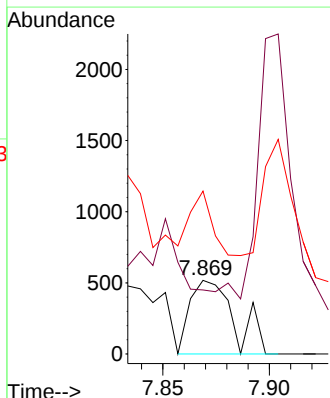
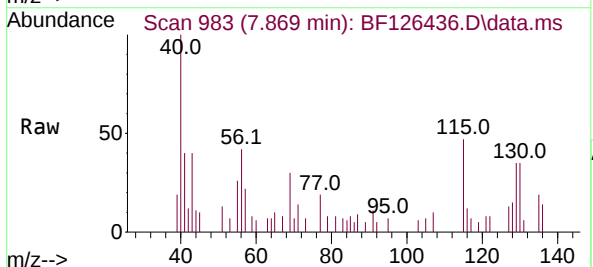
Instrument :
BNA_F
ClientSampleId :
CONC-14C

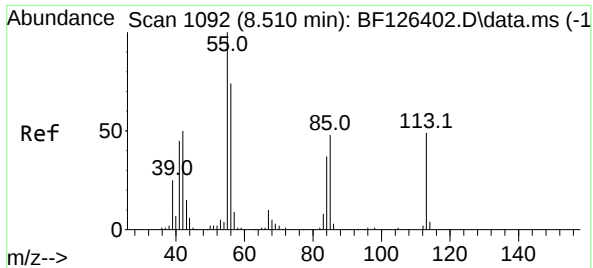
Tgt Ion: 82 Resp: 396118
Ion Ratio Lower Upper
82 100
95 0.1 5.0 7.4#
138 0.0 12.3 18.5#



#32
Benzoic acid
Concen: 7.260 ng
RT: 7.869 min Scan# 983
Delta R.T. 0.012 min
Lab File: BF126436.D
Acq: 31 Dec 2021 00:11

Tgt Ion: 122 Resp: 752
Ion Ratio Lower Upper
122 100
105 86.9 101.0 141.0#
77 221.0 74.5 114.5#

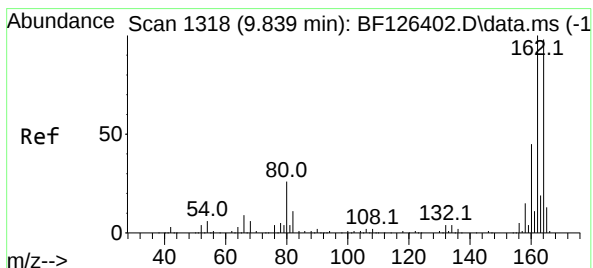
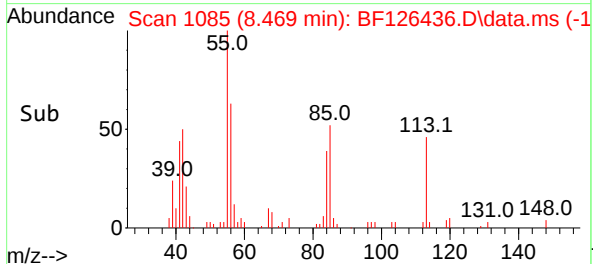
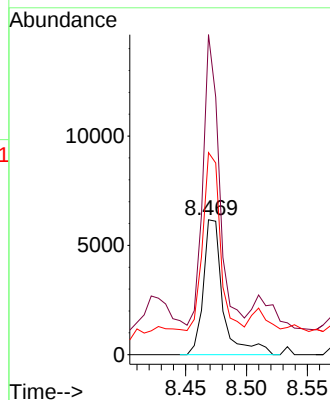
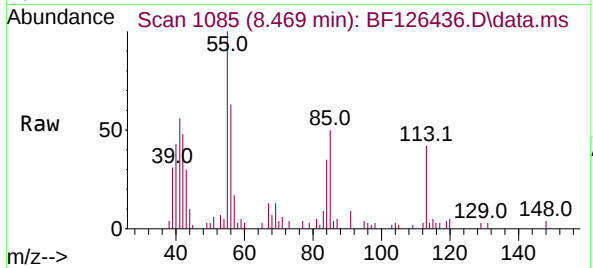




#35
 Caprolactam
 Concen: 6.220 ng
 RT: 8.469 min Scan# 1092
 Delta R.T. -0.041 min
 Lab File: BF126436.D
 Acq: 31 Dec 2021 00:11

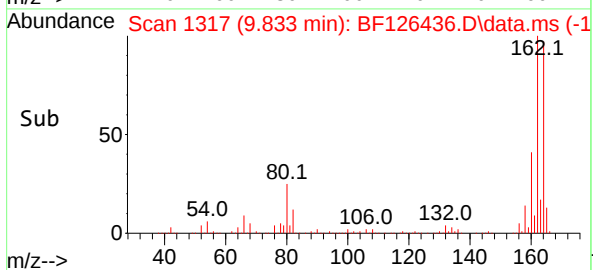
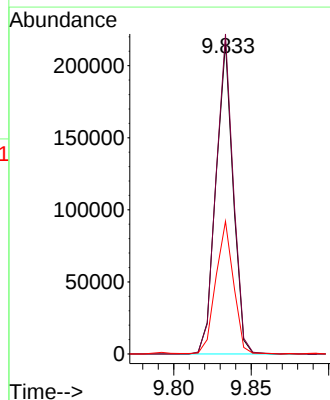
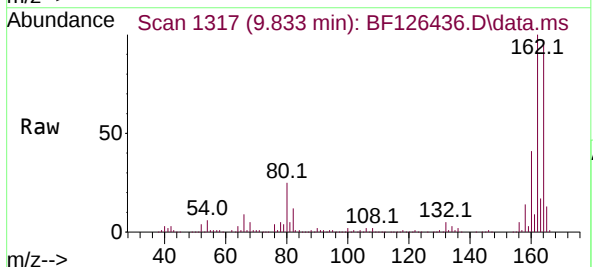
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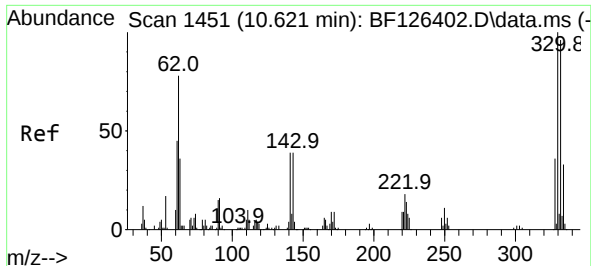
Tgt Ion:113 Resp: 6921
 Ion Ratio Lower Upper
 113 100
 55 237.2 183.9 223.9#
 56 149.8 129.9 169.9



#39
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.833 min Scan# 1317
 Delta R.T. -0.006 min
 Lab File: BF126436.D
 Acq: 31 Dec 2021 00:11

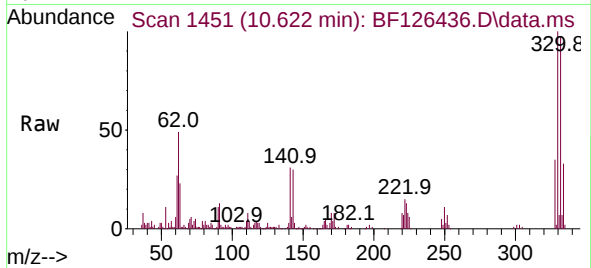
Tgt Ion:164 Resp: 166610
 Ion Ratio Lower Upper
 164 100
 162 102.7 81.4 122.0
 160 42.5 36.6 54.8



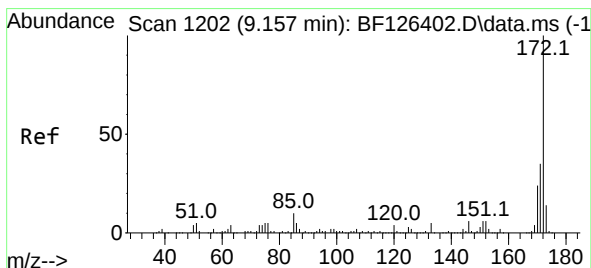
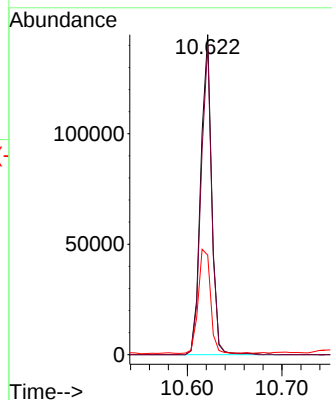
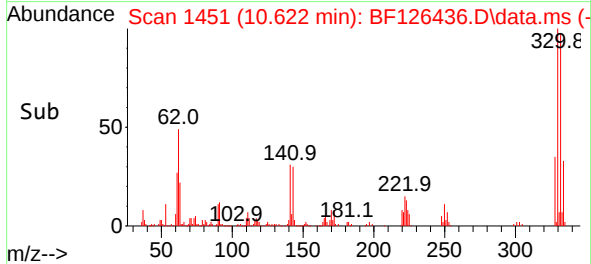


#42
2,4,6-Tribromophenol
Concen: 89.928 ng
RT: 10.622 min Scan# 1451
Delta R.T. 0.000 min
Lab File: BF126436.D
Acq: 31 Dec 2021 00:11

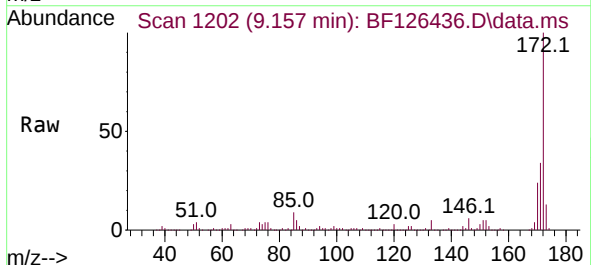
Instrument :
BNA_F
ClientSampleId :
CONC-14C



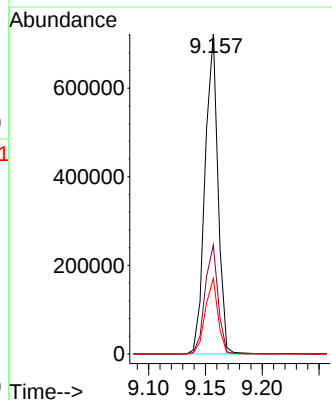
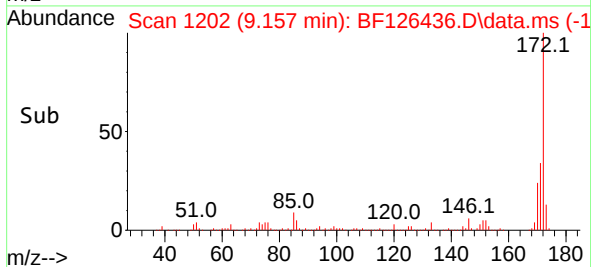
Tgt Ion:330 Resp: 115780
Ion Ratio Lower Upper
330 100
332 94.7 76.0 114.0
141 36.4 30.1 45.1

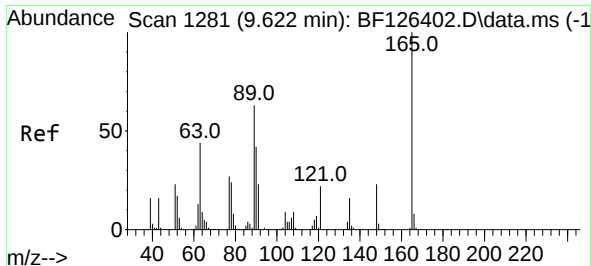


#45
2-Fluorobiphenyl
Concen: 60.504 ng
RT: 9.157 min Scan# 1202
Delta R.T. -0.000 min
Lab File: BF126436.D
Acq: 31 Dec 2021 00:11



Tgt Ion:172 Resp: 572848
Ion Ratio Lower Upper
172 100
171 34.1 28.3 42.5
170 23.5 19.0 28.6

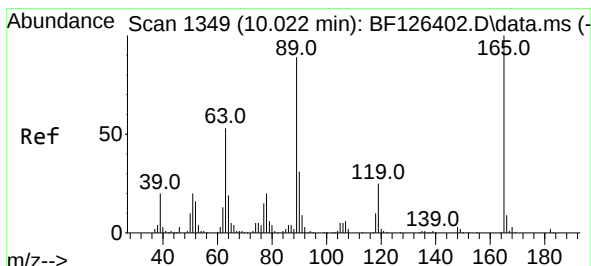
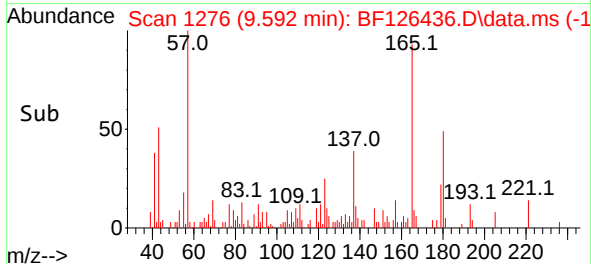
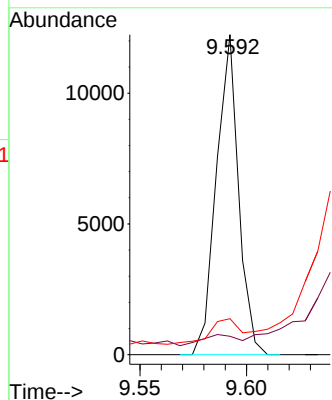
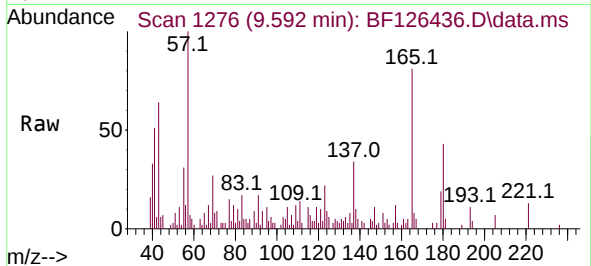




#51
2,6-Dinitrotoluene
Concen: 3.943 ng
RT: 9.592 min Scan# 11
Delta R.T. -0.029 min
Lab File: BF126436.D
Acq: 31 Dec 2021 00:11

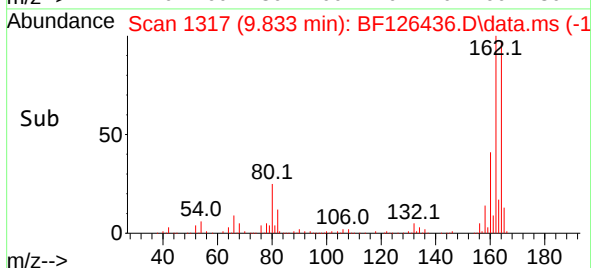
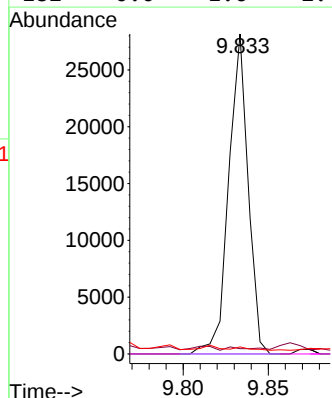
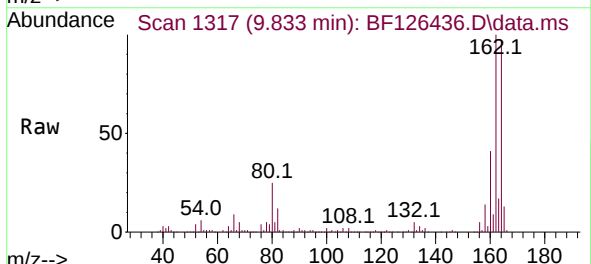
Instrument :
BNA_F
ClientSampleId :
CONC-14C

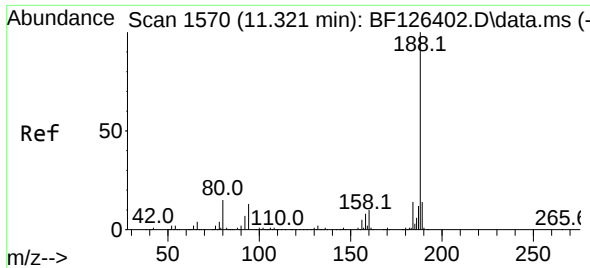
Tgt Ion:165 Resp: 8856
Ion Ratio Lower Upper
165 100
63 5.8 48.4 72.6#
89 11.3 50.5 75.7#



#57
2,4-Dinitrotoluene
Concen: 7.709 ng
RT: 9.833 min Scan# 1317
Delta R.T. -0.188 min
Lab File: BF126436.D
Acq: 31 Dec 2021 00:11

Tgt Ion:165 Resp: 22340
Ion Ratio Lower Upper
165 100
63 1.7 43.0 64.6#
89 2.2 71.0 106.4#
182 0.0 1.6 2.4#

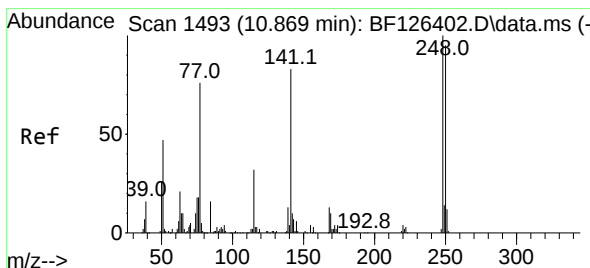
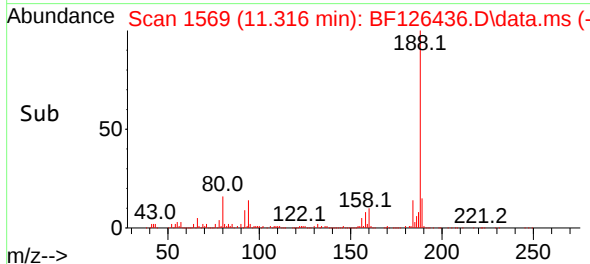
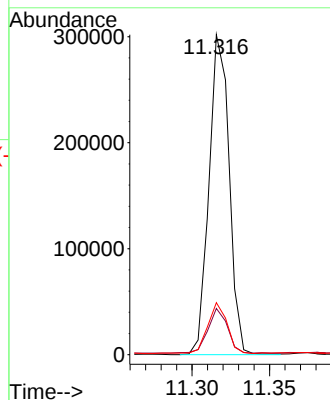
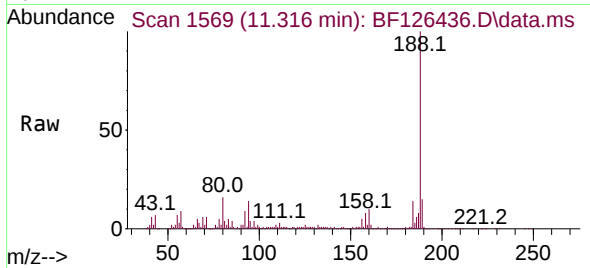




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.316 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF126436.D
Acq: 31 Dec 2021 00:11

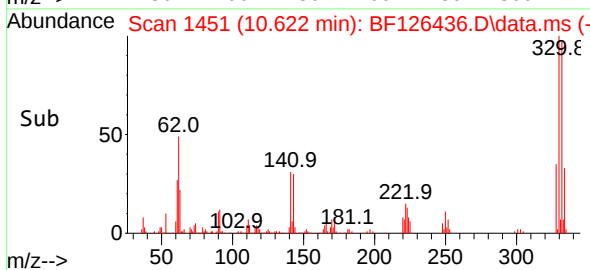
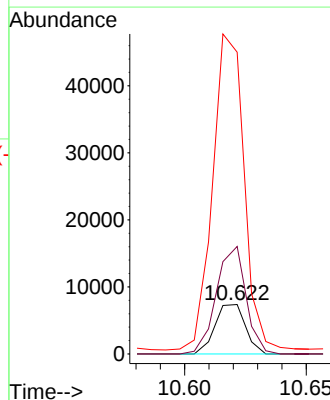
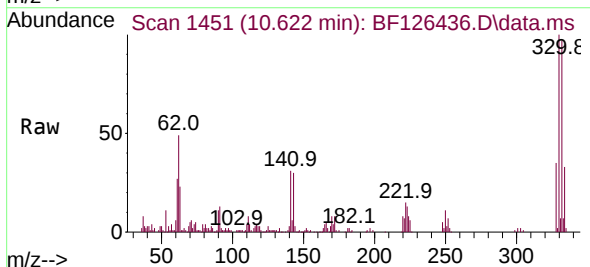
Instrument :
BNA_F
ClientSampleId :
CONC-14C

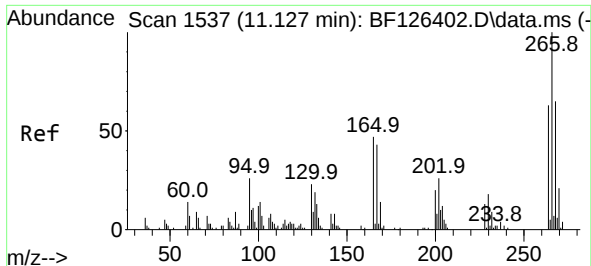
Tgt Ion:188 Resp: 273288
Ion Ratio Lower Upper
188 100
94 14.5 10.1 15.1
80 16.3 11.8 17.6



#67
4-Bromophenyl-phenylether
Concen: 2.652 ng
RT: 10.622 min Scan# 1451
Delta R.T. -0.247 min
Lab File: BF126436.D
Acq: 31 Dec 2021 00:11

Tgt Ion:248 Resp: 6433
Ion Ratio Lower Upper
248 100
250 217.6 76.2 114.4#
141 611.2 66.2 99.4#

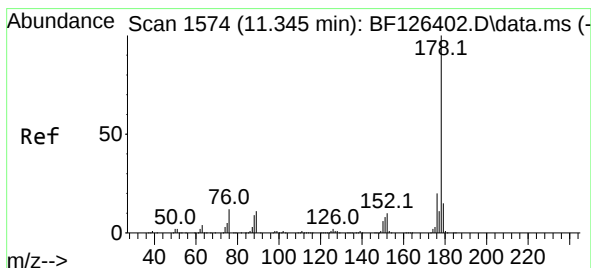
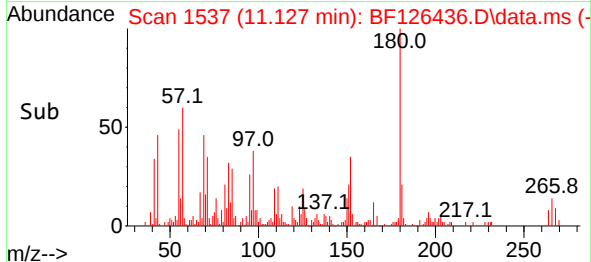
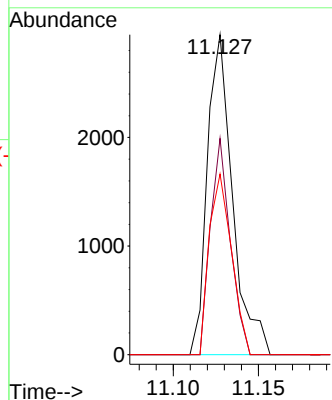
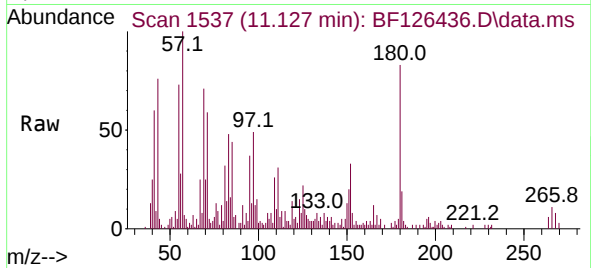




#70
Pentachlorophenol
Concen: 2.209 ng
RT: 11.127 min Scan# 1537
Delta R.T. 0.000 min
Lab File: BF126436.D
Acq: 31 Dec 2021 00:11

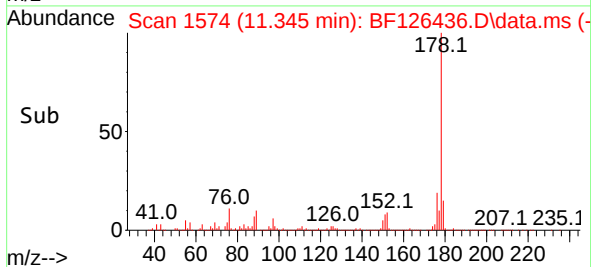
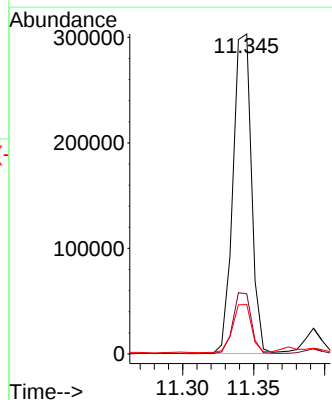
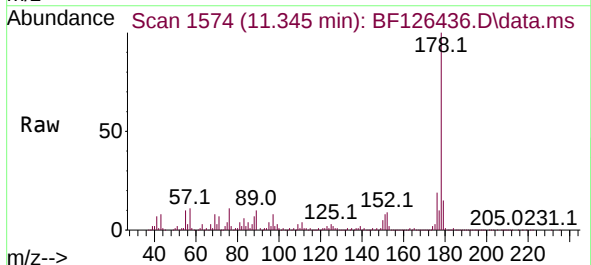
Instrument :
BNA_F
ClientSampleId :
CONC-14C

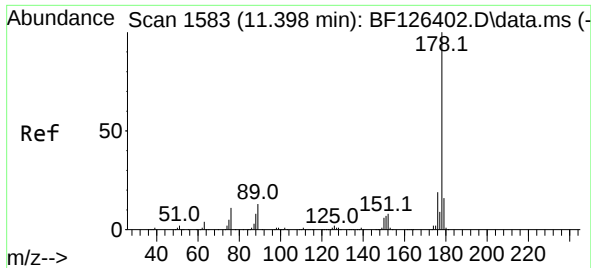
Tgt Ion:266 Resp: 3030
Ion Ratio Lower Upper
266 100
268 67.6 52.3 78.5
264 56.4 50.4 75.6



#71
Phenanthrene
Concen: 19.642 ng
RT: 11.345 min Scan# 1574
Delta R.T. 0.000 min
Lab File: BF126436.D
Acq: 31 Dec 2021 00:11

Tgt Ion:178 Resp: 274435
Ion Ratio Lower Upper
178 100
176 18.8 15.7 23.5
179 15.4 12.3 18.5

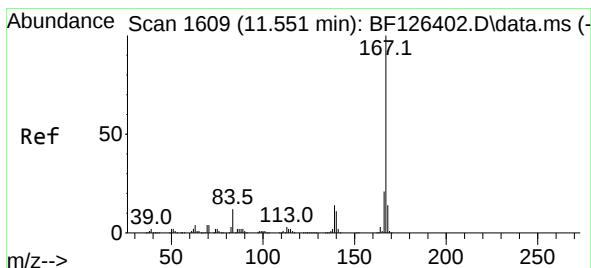
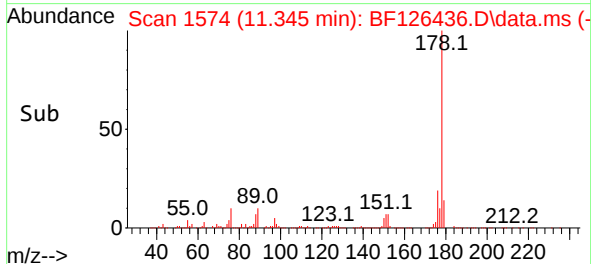
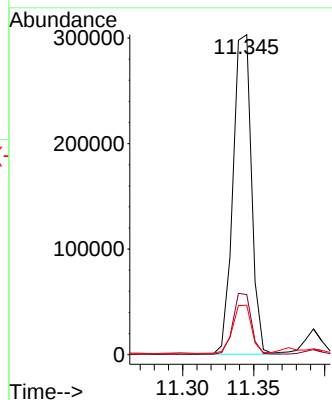
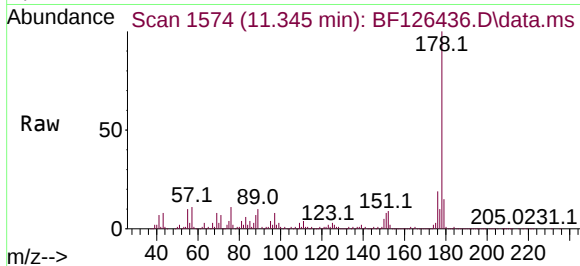




#72
 Anthracene
 Concen: 19.630 ng
 RT: 11.345 min Scan# 11
 Delta R.T. -0.053 min
 Lab File: BF126436.D
 Acq: 31 Dec 2021 00:11

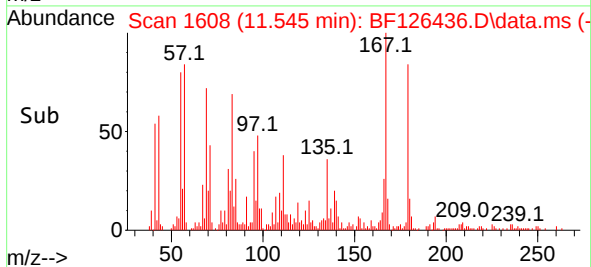
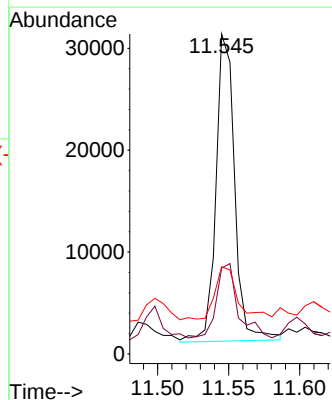
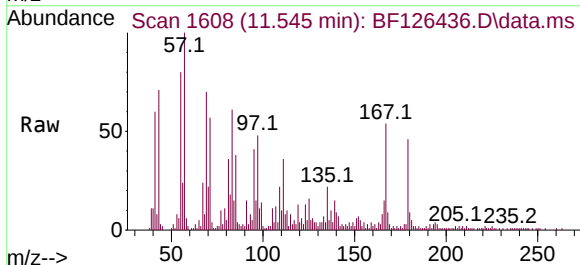
Instrument :
 BNA_F
 ClientSampleId :
 CONC-14C

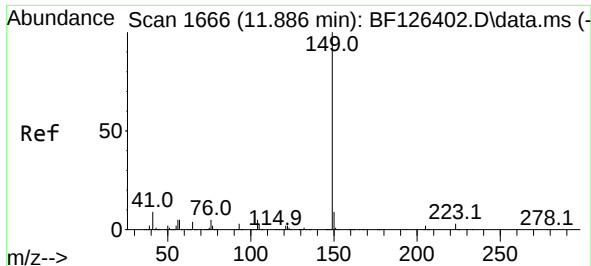
Tgt Ion:178 Resp: 274435
 Ion Ratio Lower Upper
 178 100
 176 18.8 15.0 22.6
 179 15.4 12.5 18.7



#73
 Carbazole
 Concen: 2.025 ng
 RT: 11.545 min Scan# 1608
 Delta R.T. -0.006 min
 Lab File: BF126436.D
 Acq: 31 Dec 2021 00:11

Tgt Ion:167 Resp: 27722
 Ion Ratio Lower Upper
 167 100
 166 26.8 16.9 25.3#
 139 27.3 11.3 16.9#

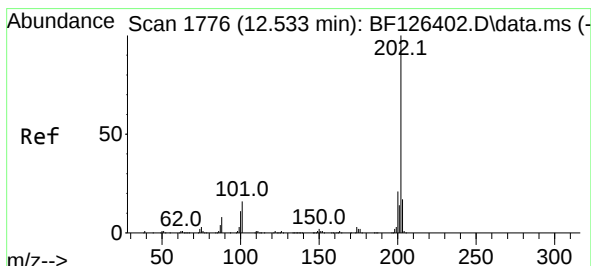
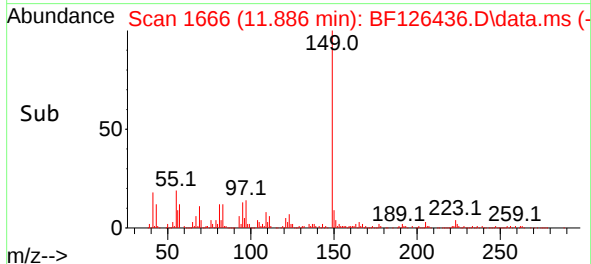
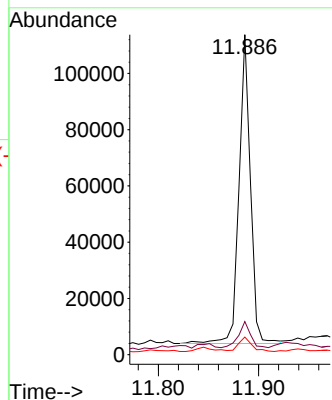
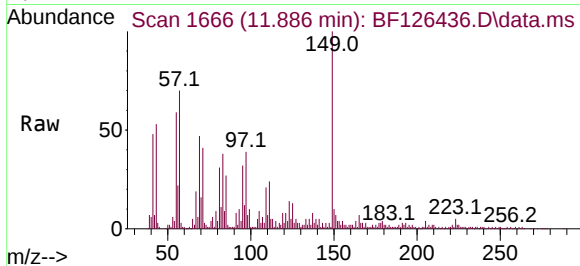




#74
Di-n-butylphthalate
Concen: 5.603 ng
RT: 11.886 min Scan# 1666
Delta R.T. 0.000 min
Lab File: BF126436.D
Acq: 31 Dec 2021 00:11

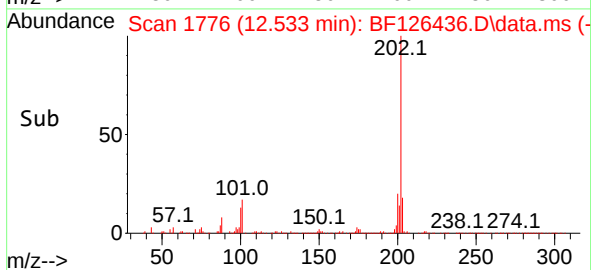
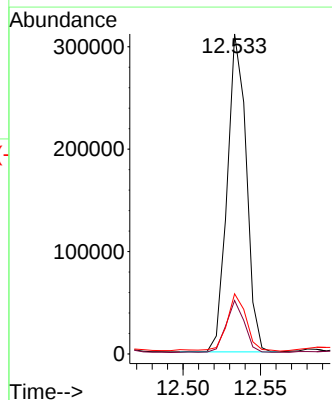
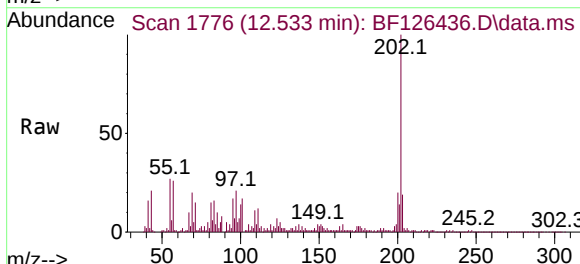
Instrument :
BNA_F
ClientSampleId :
CONC-14C

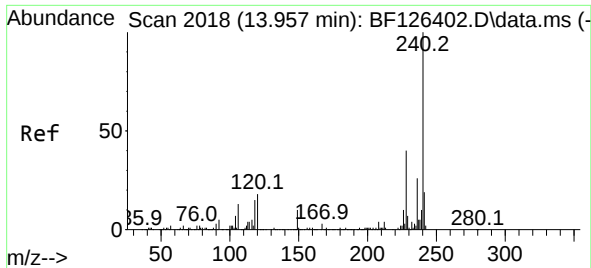
Tgt Ion:149 Resp: 87330
Ion Ratio Lower Upper
149 100
150 10.3 7.2 10.8
104 5.5 4.2 6.2



#75
Fluoranthene
Concen: 20.840 ng
RT: 12.533 min Scan# 1776
Delta R.T. 0.000 min
Lab File: BF126436.D
Acq: 31 Dec 2021 00:11

Tgt Ion:202 Resp: 265746
Ion Ratio Lower Upper
202 100
101 16.7 0.0 35.7
203 18.8 0.0 37.1

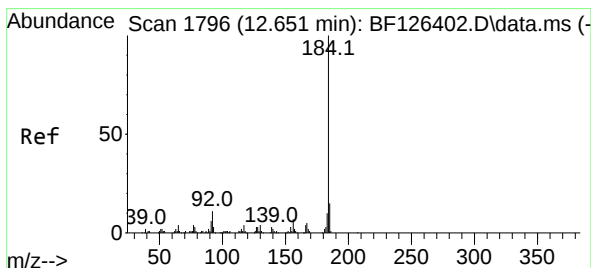
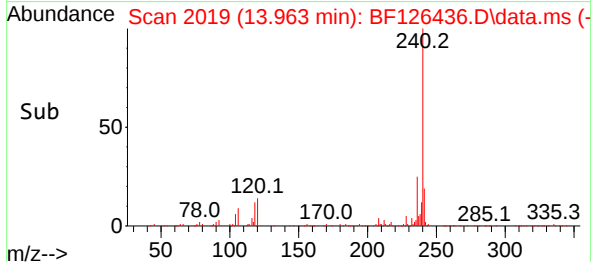
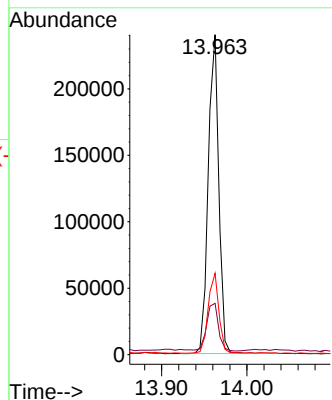
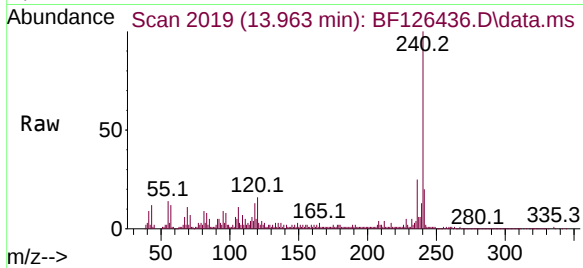




#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.963 min Scan# 2018
Delta R.T. 0.006 min
Lab File: BF126436.D
Acq: 31 Dec 2021 00:11

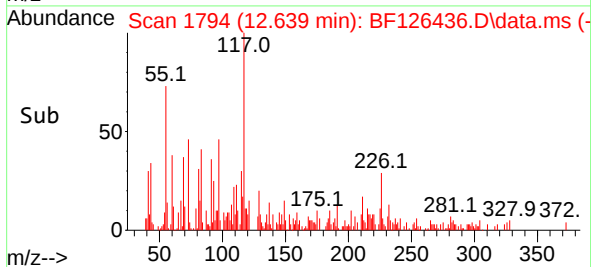
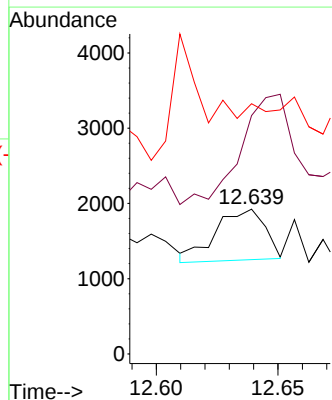
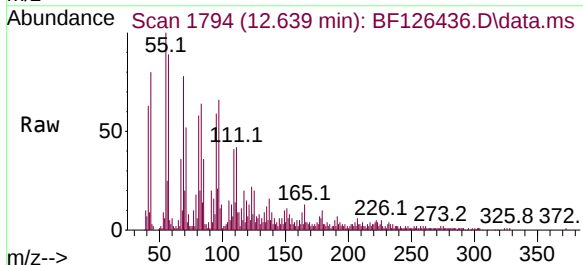
Instrument :
BNA_F
ClientSampleId :
CONC-14C

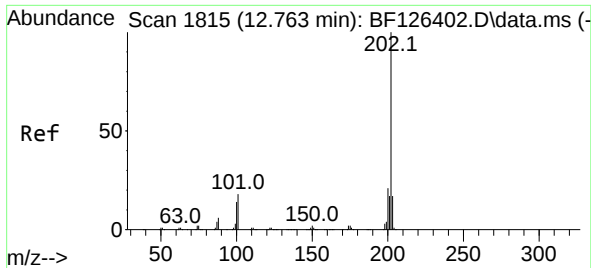
Tgt Ion:240 Resp: 206117
Ion Ratio Lower Upper
240 100
120 16.1 14.4 21.6
236 25.4 20.5 30.7



#77
Benzidine
Concen: Below Cal
RT: 12.639 min Scan# 1794
Delta R.T. -0.012 min
Lab File: BF126436.D
Acq: 31 Dec 2021 00:11

Tgt Ion:184 Resp: 952
Ion Ratio Lower Upper
184 100
185 164.6 11.8 17.8#
183 172.8 8.2 12.2#

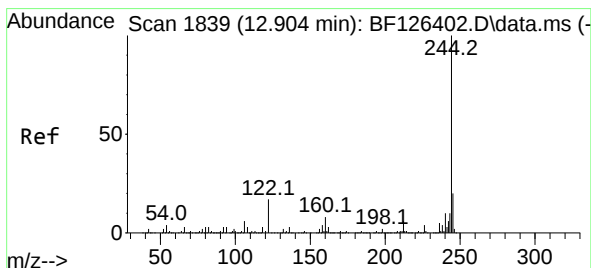
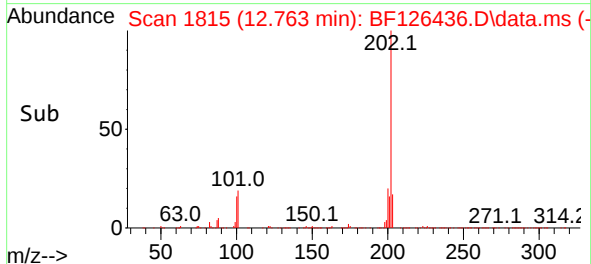
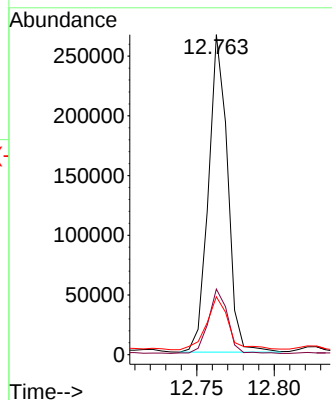
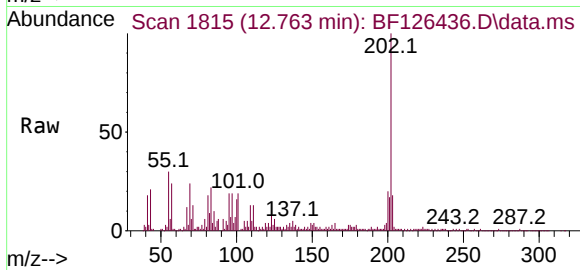




#78
Pyrene
Concen: 13.086 ng
RT: 12.763 min Scan# 1815
Delta R.T. 0.000 min
Lab File: BF126436.D
Acq: 31 Dec 2021 00:11

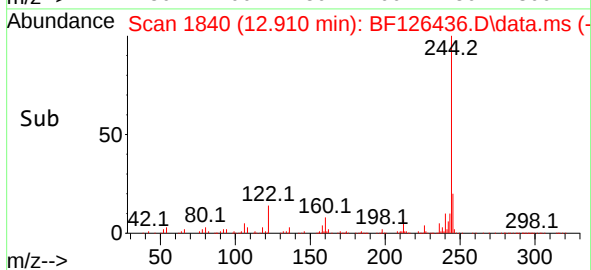
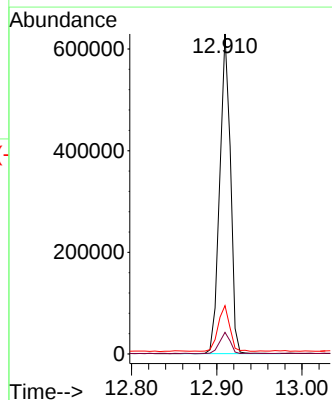
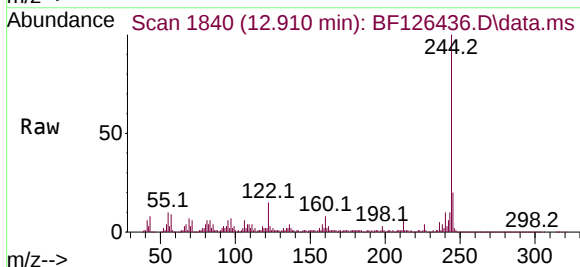
Instrument :
BNA_F
ClientSampleId :
CONC-14C

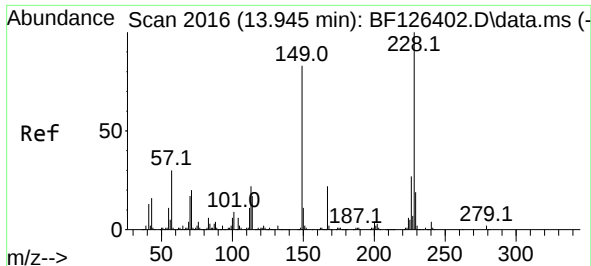
Tgt Ion:202 Resp: 227942
Ion Ratio Lower Upper
202 100
200 20.5 16.6 24.8
203 18.1 13.8 20.8



#79
Terphenyl-d14
Concen: 51.599 ng
RT: 12.910 min Scan# 1840
Delta R.T. 0.006 min
Lab File: BF126436.D
Acq: 31 Dec 2021 00:11

Tgt Ion:244 Resp: 547386
Ion Ratio Lower Upper
244 100
212 6.7 5.0 7.4
122 15.1 13.3 19.9

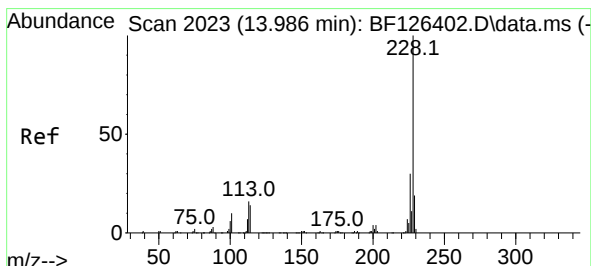
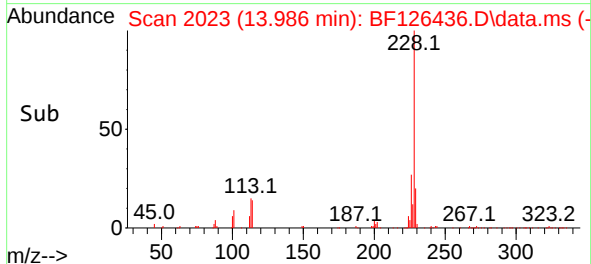
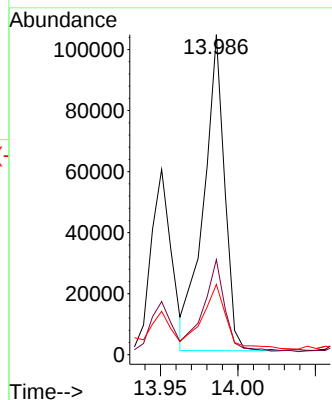
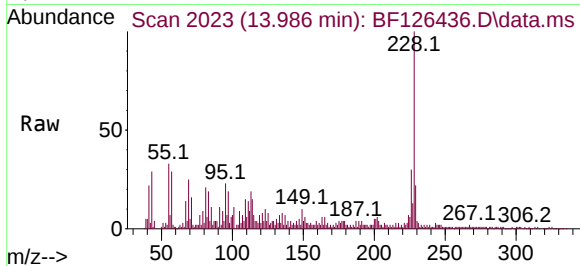




#81
Benzo(a)anthracene
Concen: 8.167 ng
RT: 13.986 min Scan# 2016
Delta R.T. 0.041 min
Lab File: BF126436.D
Acq: 31 Dec 2021 00:11

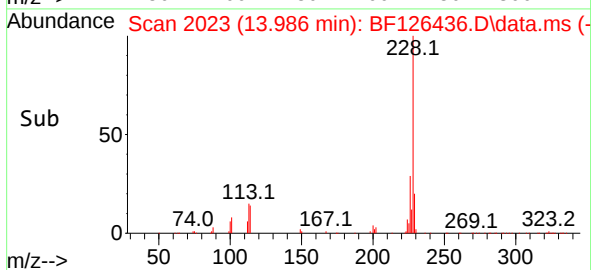
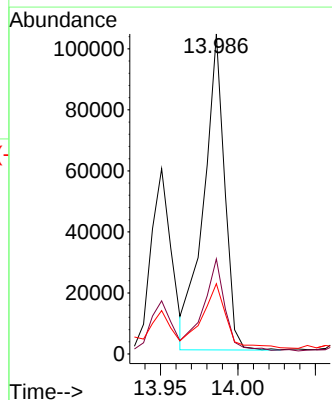
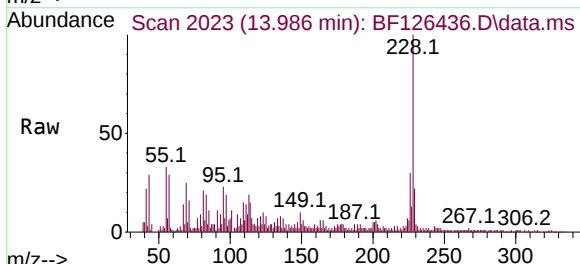
Instrument :
BNA_F
ClientSampleId :
CONC-14C

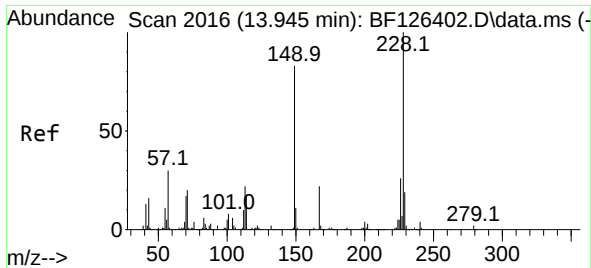
Tgt Ion:228 Resp: 96805
Ion Ratio Lower Upper
228 100
226 29.7 21.4 32.0
229 22.0 15.4 23.2



#83
Chrysene
Concen: 7.962 ng
RT: 13.986 min Scan# 2023
Delta R.T. 0.000 min
Lab File: BF126436.D
Acq: 31 Dec 2021 00:11

Tgt Ion:228 Resp: 96805
Ion Ratio Lower Upper
228 100
226 29.7 23.7 35.5
229 22.0 15.5 23.3

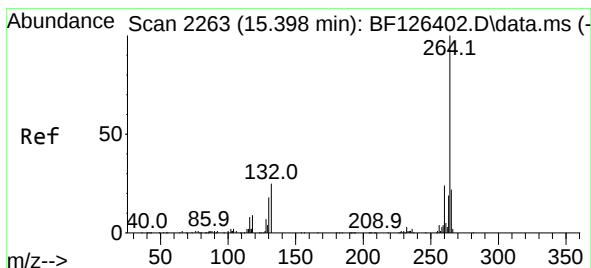
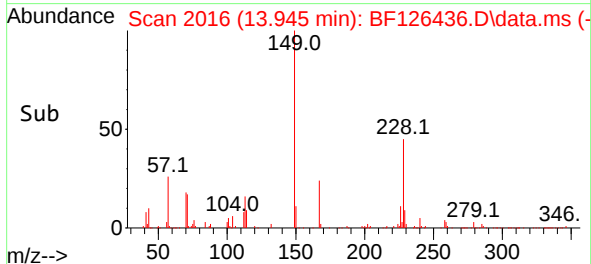
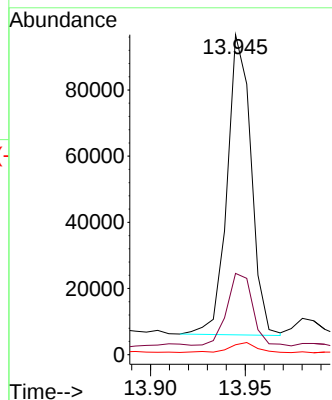
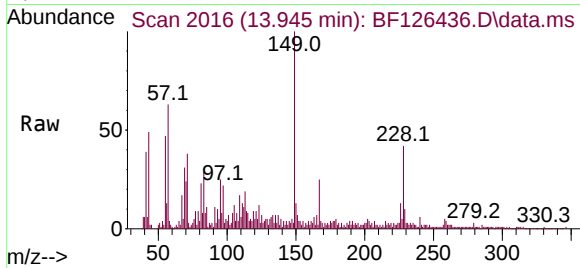




#84
Bis(2-ethylhexyl)phthalate
Concen: 9.964 ng
RT: 13.945 min Scan# 2016
Delta R.T. 0.000 min
Lab File: BF126436.D
Acq: 31 Dec 2021 00:11

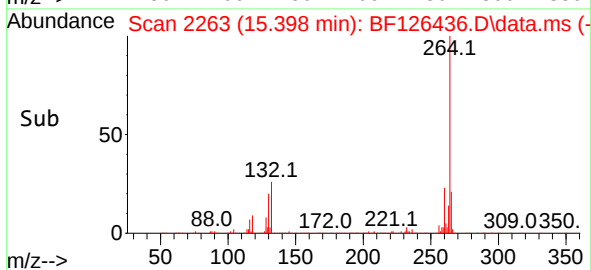
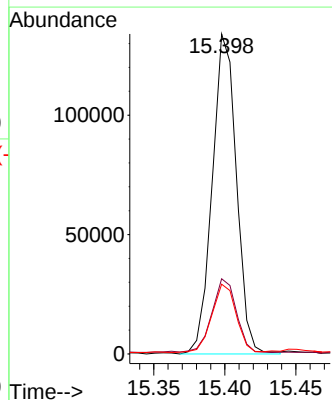
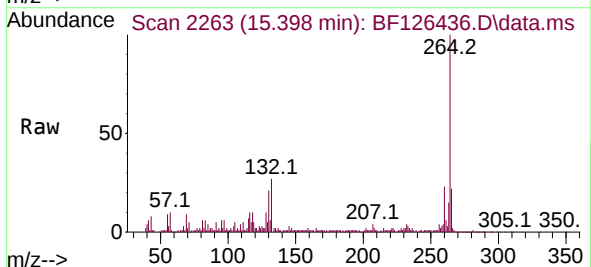
Instrument :
BNA_F
ClientSampleId :
CONC-14C

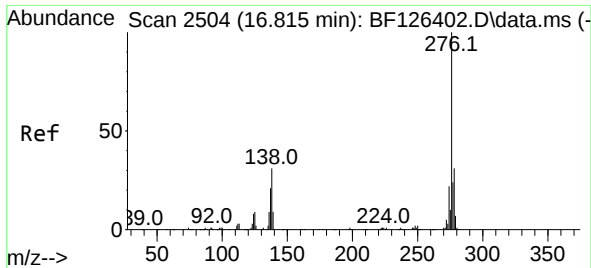
Tgt Ion:149 Resp: 79703
Ion Ratio Lower Upper
149 100
167 25.4 21.4 32.2
279 3.1 2.4 3.6



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.398 min Scan# 2263
Delta R.T. 0.000 min
Lab File: BF126436.D
Acq: 31 Dec 2021 00:11

Tgt Ion:264 Resp: 158656
Ion Ratio Lower Upper
264 100
260 23.5 19.2 28.8
265 21.8 17.4 26.2

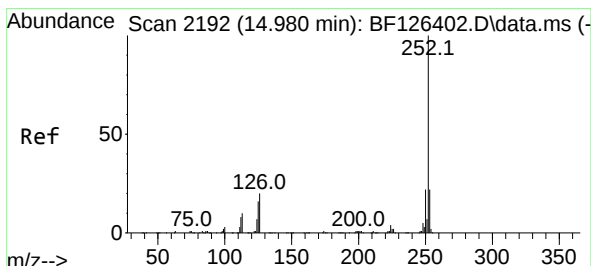
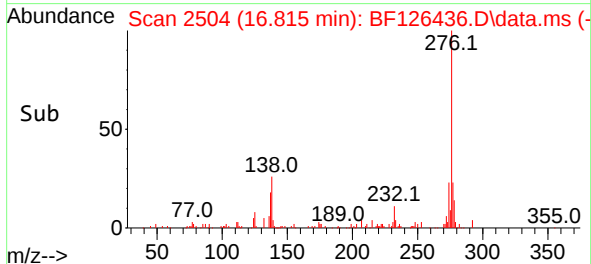
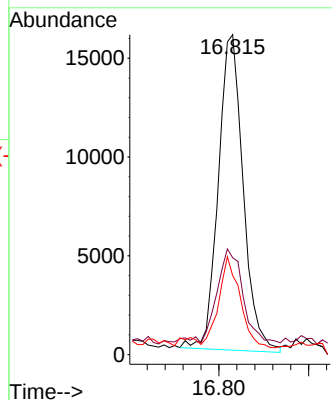
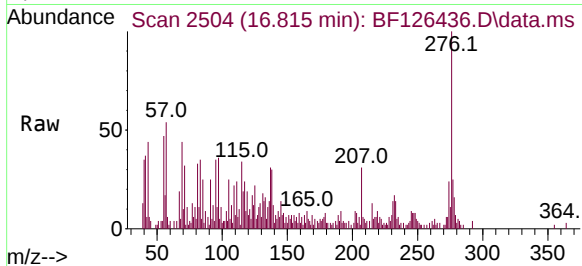




#87
 Indeno(1,2,3-cd)pyrene
 Concen: 2.886 ng
 RT: 16.815 min Scan# 2193
 Delta R.T. 0.000 min
 Lab File: BF126436.D
 Acq: 31 Dec 2021 00:11

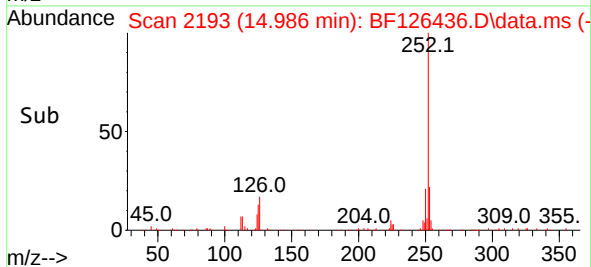
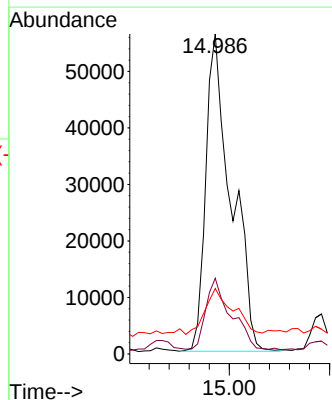
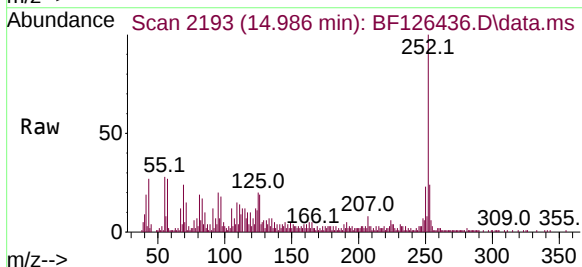
Instrument :
 BNA_F
 ClientSampleId :
 CONC-14C

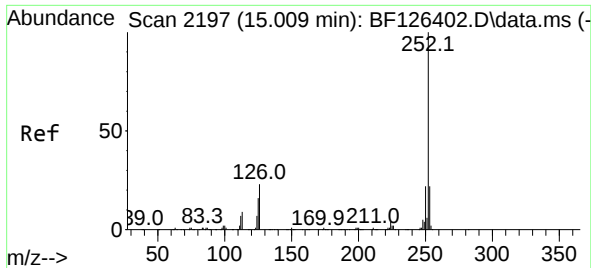
Tgt Ion:	276	Resp:	30647
Ion Ratio	Lower	Upper	
276	100		
138	31.5	29.2	43.8
277	24.9	19.8	29.8



#88
 Benzo(b)fluoranthene
 Concen: 10.497 ng
 RT: 14.986 min Scan# 2193
 Delta R.T. 0.006 min
 Lab File: BF126436.D
 Acq: 31 Dec 2021 00:11

Tgt Ion:	252	Resp:	99211
Ion Ratio	Lower	Upper	
252	100		
253	23.6	17.8	26.8
125	20.4	12.4	18.6

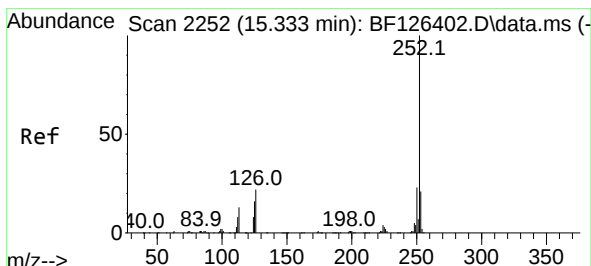
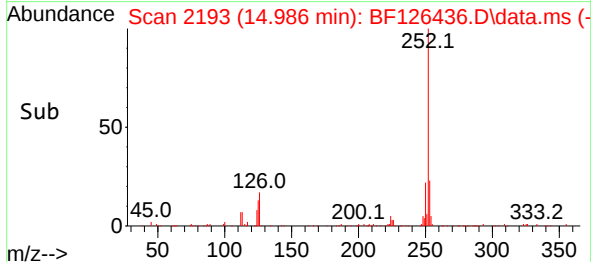
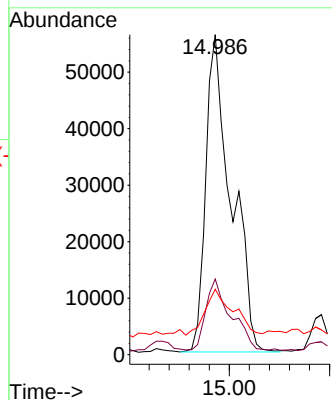
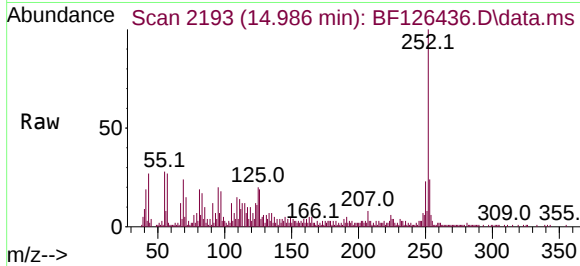




#89
Benzo(k)fluoranthene
Concen: 10.836 ng
RT: 14.986 min Scan# 2197
Delta R.T. -0.023 min
Lab File: BF126436.D
Acq: 31 Dec 2021 00:11

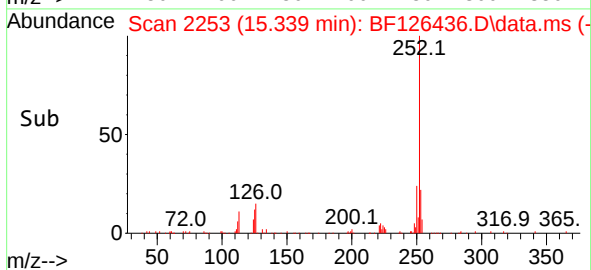
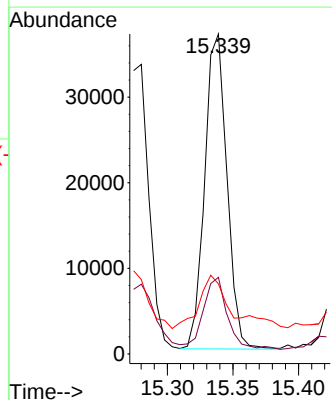
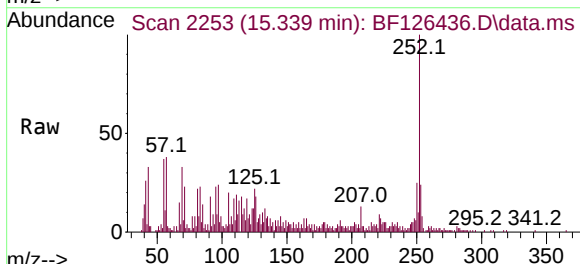
Instrument :
BNA_F
ClientSampleId :
CONC-14C

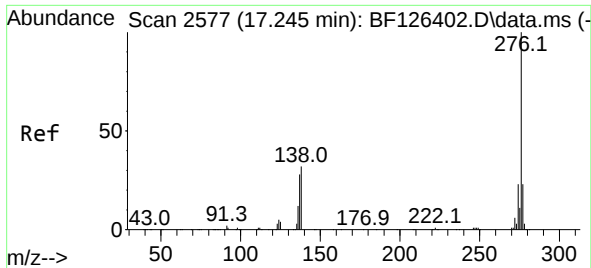
Tgt Ion:252 Resp: 99211
Ion Ratio Lower Upper
252 100
253 23.6 17.5 26.3
125 20.4 11.8 17.6#



#90
Benzo(a)pyrene
Concen: 5.482 ng
RT: 15.339 min Scan# 2253
Delta R.T. 0.006 min
Lab File: BF126436.D
Acq: 31 Dec 2021 00:11

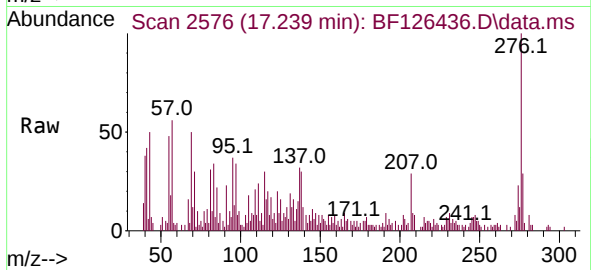
Tgt Ion:252 Resp: 43446
Ion Ratio Lower Upper
252 100
253 24.0 17.1 25.7
125 21.9 13.0 19.6#





#92
 Benzo(g,h,i)perylene
 Concen: 3.469 ng
 RT: 17.239 min Scan# 21
 Delta R.T. -0.006 min
 Lab File: BF126436.D
 Acq: 31 Dec 2021 00:11

Instrument :
 BNA_F
 ClientSampleId :
 CONC-14C



Tgt Ion:276 Resp: 31650
 Ion Ratio Lower Upper
 276 100
 277 28.6 18.5 27.7#
 138 30.5 25.9 38.9

