

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF113023\
 Data File : BF136326.D
 Acq On : 30 Nov 2023 21:49
 Operator : CG\JU
 Sample : 05434-01
 Misc :
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Dec 01 00:14:21 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF112723.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Nov 28 03:04:20 2023
 Response via : Initial Calibration

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

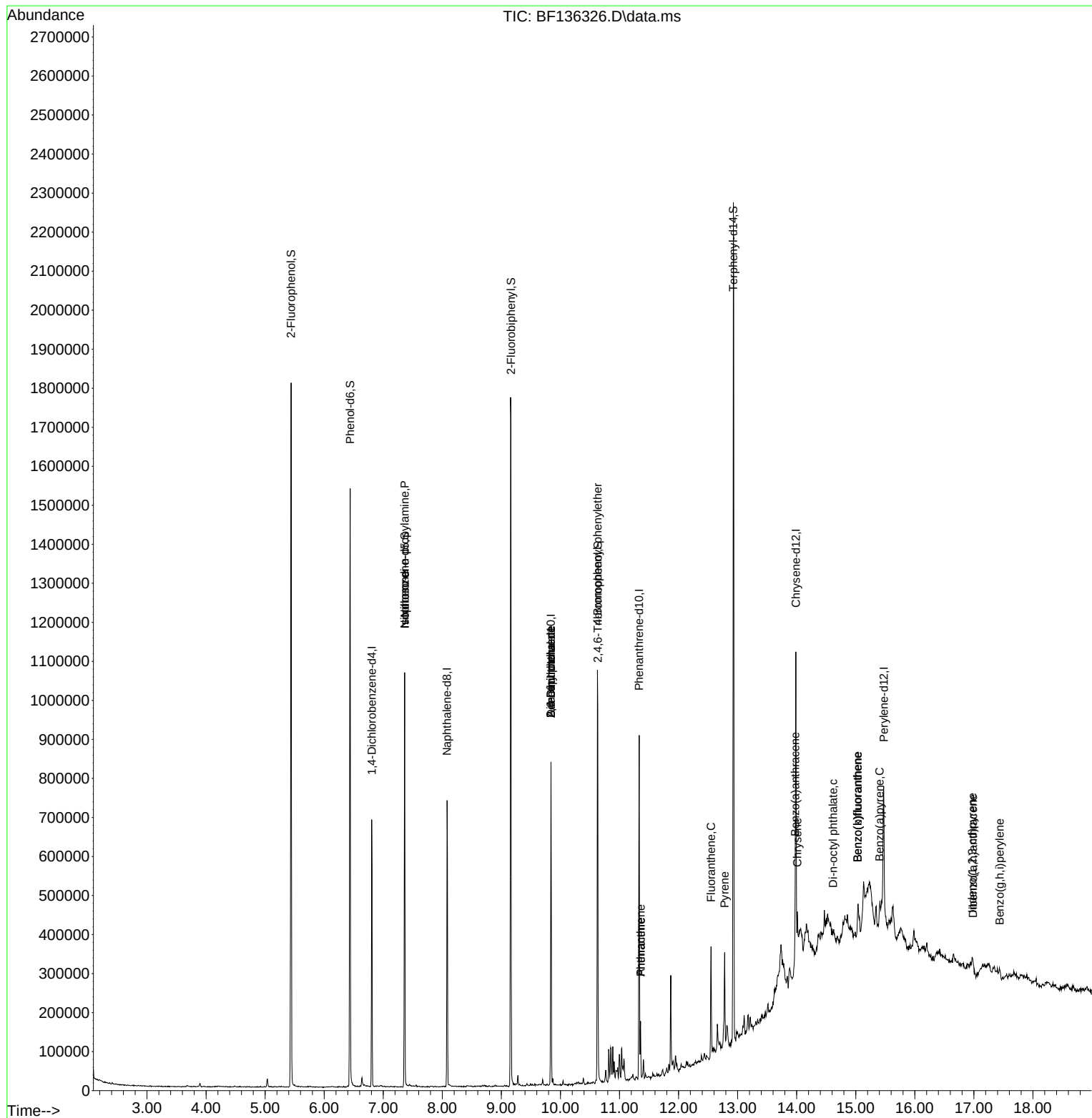
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.804	152	96039	20.000	ng	0.00
21) Naphthalene-d8	8.081	136	316845	20.000	ng	0.00
39) Acenaphthene-d10	9.839	164	147772	20.000	ng	0.00
64) Phenanthrene-d10	11.333	188	301499	20.000	ng	0.00
76) Chrysene-d12	13.986	240	236337	20.000	ng	0.00
86) Perylene-d12	15.474	264	160169	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.440	112	451317	65.407	ng	0.00
7) Phenol-d6	6.440	99	497052	57.611	ng	0.00
23) Nitrobenzene-d5	7.363	82	294776	49.163	ng	-0.01
42) 2,4,6-Tribromophenol	10.633	330	134315	74.345	ng	0.00
45) 2-Fluorobiphenyl	9.163	172	555547	48.020	ng	0.00
79) Terphenyl-d14	12.927	244	810277	39.547	ng	0.00
Target Compounds						Qvalue
19) n-Nitroso-di-n-propyla...	7.363	70	38277	7.418	ng	# 74
25) Isophorone	7.363	82	294774	27.265	ng	# 68
50) Dimethylphthalate	9.839	163	29110	2.606	ng	# 1
51) 2,6-Dinitrotoluene	9.839	165	18131	7.946	ng	# 25
57) 2,4-Dinitrotoluene	9.839	165	18131	5.949	ng	# 28
67) 4-Bromophenyl-phenylether	10.628	248	8164	2.321	ng	# 1
71) Phenanthrene	11.357	178	51937	3.065	ng	97
72) Anthracene	11.357	178	51937	3.056	ng	98
75) Fluoranthene	12.551	202	109648	6.374	ng	96
78) Pyrene	12.780	202	96664	3.735	ng	95
81) Benzo(a)anthracene	13.974	228	49565	2.824	ng	# 89
83) Chrysene	14.010	228	44569	2.630	ng	# 93
85) Di-n-octyl phthalate	14.615	149	1880	5.269	ng	# 1
87) Indeno(1,2,3-cd)pyrene	16.974	276	23472	4.530	ng	96
88) Benzo(b)fluoranthene	15.033	252	59663	5.309	ng	# 81
89) Benzo(k)fluoranthene	15.033	252	59663	5.590	ng	# 80
90) Benzo(a)pyrene	15.404	252	29078	3.165	ng	# 83
91) Dibenzo(a,h)anthracene	16.986	278	8458	3.544	ng	# 56
92) Benzo(g,h,i)perylene	17.439	276	22043	4.096	ng	# 83

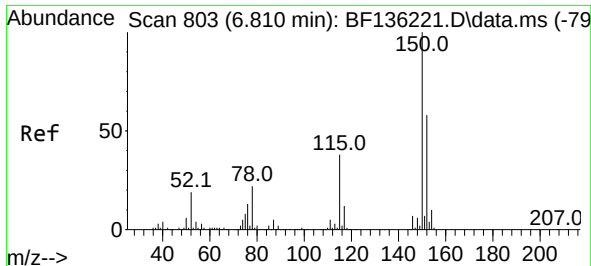
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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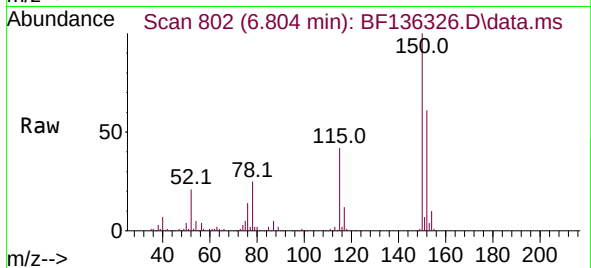
Quant Time: Dec 01 00:14:21 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF112723.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Nov 28 03:04:20 2023
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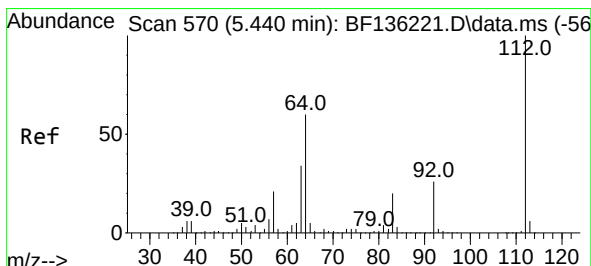
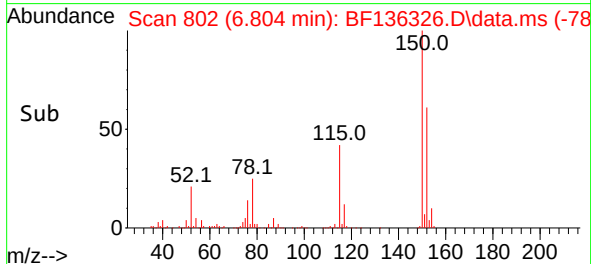
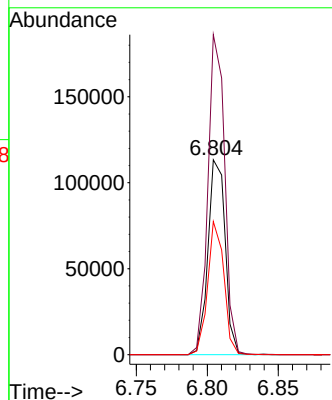


#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.804 min Scan# 803
Delta R.T. -0.006 min
Lab File: BF136326.D
Acq: 30 Nov 2023 21:49

Instrument :
BNA_F
ClientSampleId :

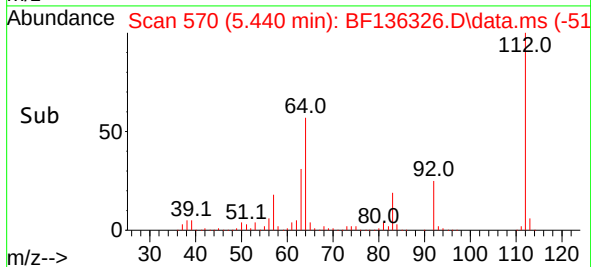
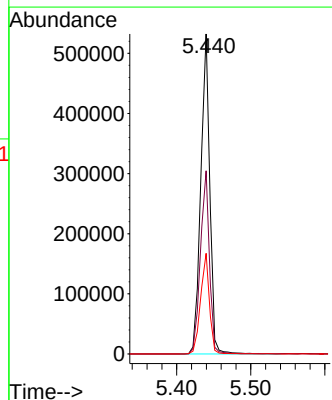
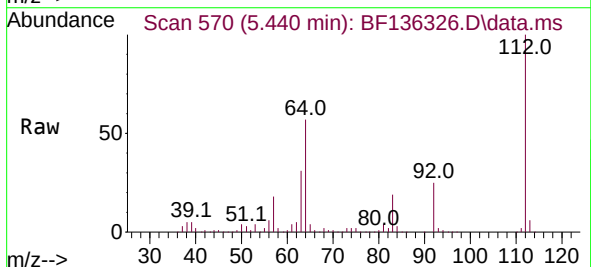


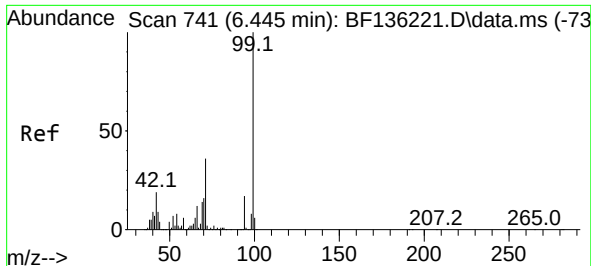
Tgt Ion:152 Resp: 96039
Ion Ratio Lower Upper
152 100
150 164.2 137.8 206.8
115 68.3 52.7 79.1



#5
2-Fluorophenol
Concen: 65.407 ng
RT: 5.440 min Scan# 570
Delta R.T. 0.000 min
Lab File: BF136326.D
Acq: 30 Nov 2023 21:49

Tgt Ion:112 Resp: 451317
Ion Ratio Lower Upper
112 100
64 57.3 48.2 72.4
63 31.5 27.0 40.6

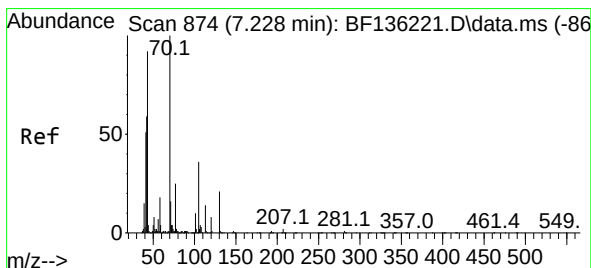
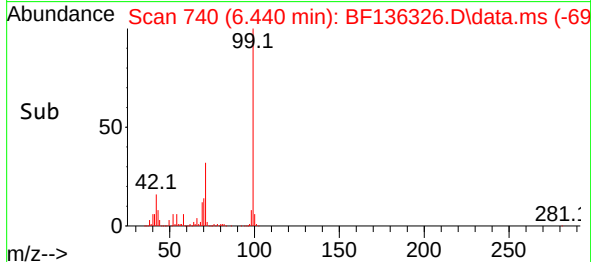
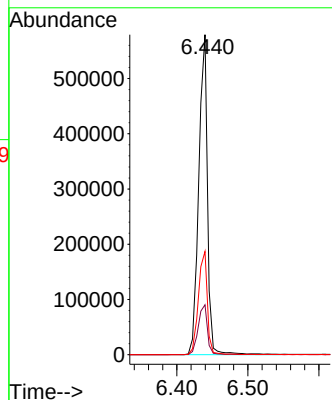
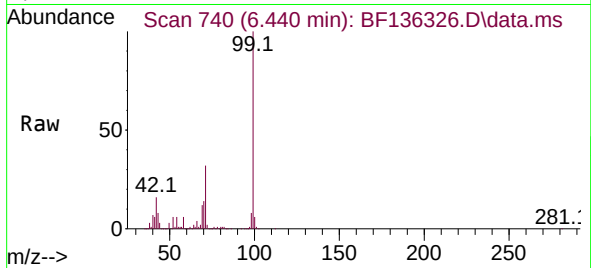




#7
Phenol-d6
Concen: 57.611 ng
RT: 6.440 min Scan# 741
Delta R.T. -0.006 min
Lab File: BF136326.D
Acq: 30 Nov 2023 21:49

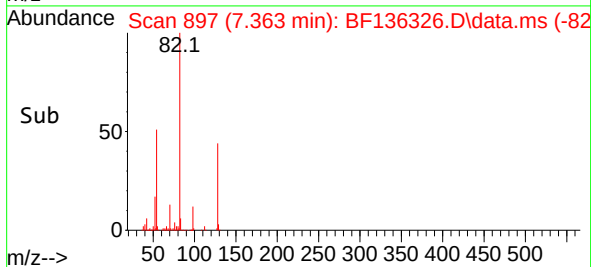
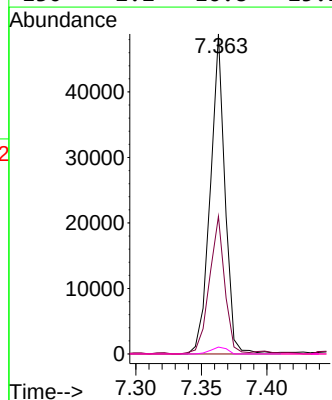
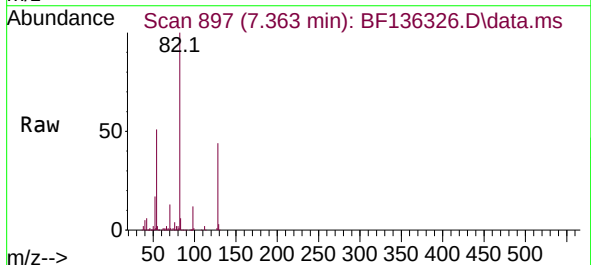
Instrument :
BNA_F
ClientSampleId :

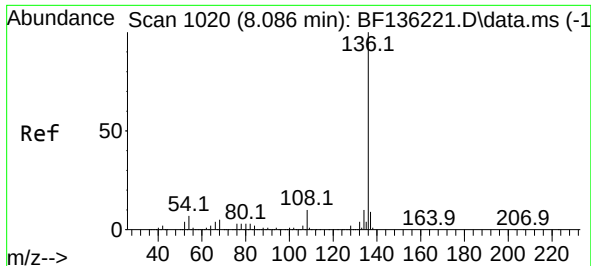
Tgt Ion: 99 Resp: 497052
Ion Ratio Lower Upper
99 100
42 15.6 15.0 22.6
71 32.2 28.9 43.3



#19
n-Nitroso-di-n-propylamine
Concen: 7.418 ng
RT: 7.363 min Scan# 897
Delta R.T. 0.135 min
Lab File: BF136326.D
Acq: 30 Nov 2023 21:49

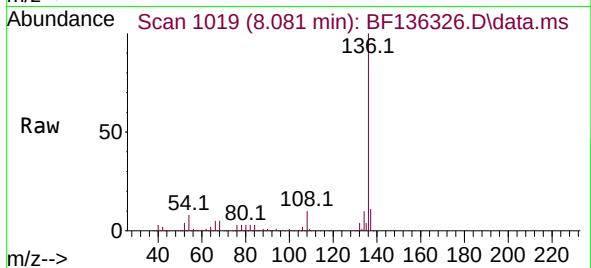
Tgt Ion: 70 Resp: 38277
Ion Ratio Lower Upper
70 100
42 43.0 47.0 70.4#
101 0.0 7.8 11.8#
130 2.2 16.8 25.2#



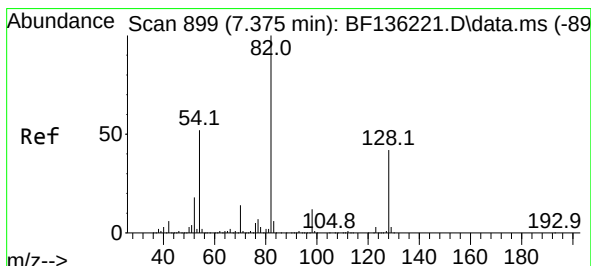
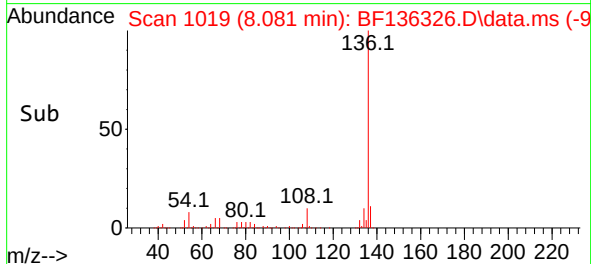
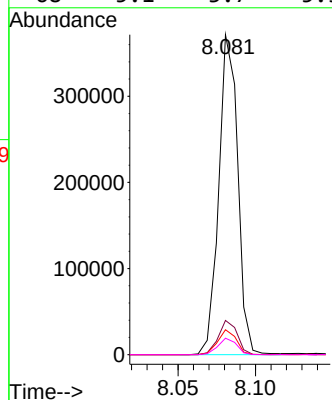


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.081 min Scan# 1019
Delta R.T. -0.006 min
Lab File: BF136326.D
Acq: 30 Nov 2023 21:49

Instrument :
BNA_F
ClientSampleId :

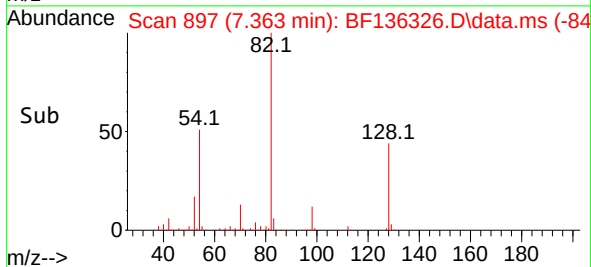
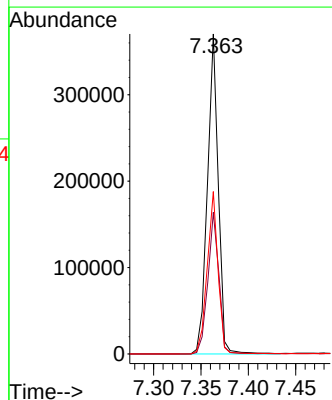
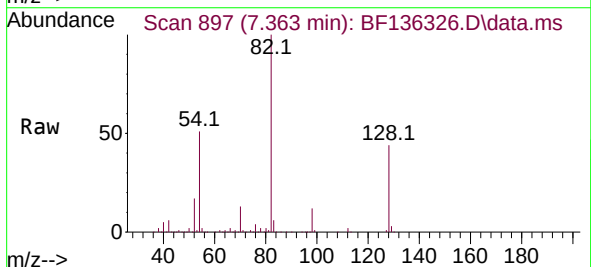


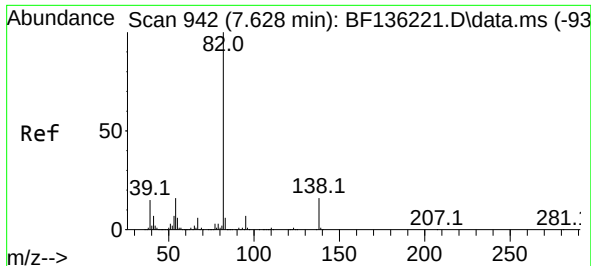
Tgt Ion:136 Resp: 316845
Ion Ratio Lower Upper
136 100
137 10.7 7.4 11.2
54 7.8 5.5 8.3
68 5.1 3.7 5.5



#23
Nitrobenzene-d5
Concen: 49.163 ng
RT: 7.363 min Scan# 897
Delta R.T. -0.012 min
Lab File: BF136326.D
Acq: 30 Nov 2023 21:49

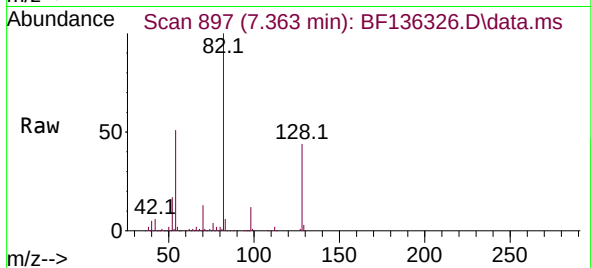
Tgt Ion: 82 Resp: 294776
Ion Ratio Lower Upper
82 100
128 44.2 33.4 50.2
54 50.8 41.7 62.5



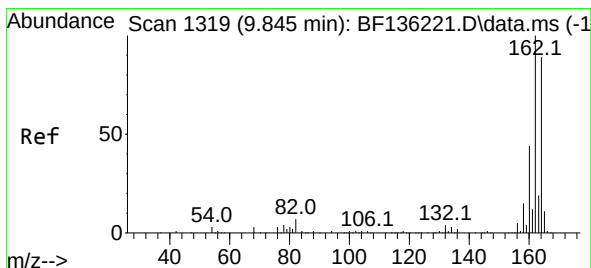
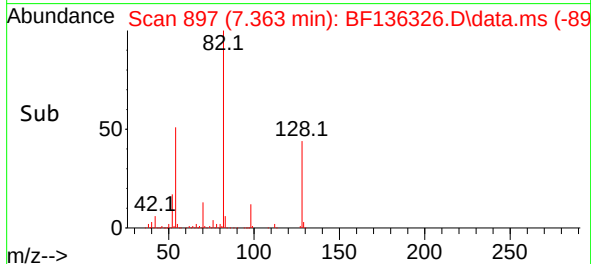
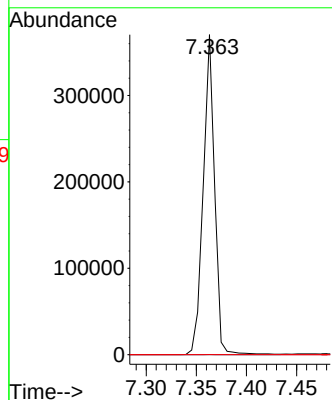


#25
Isophorone
Concen: 27.265 ng
RT: 7.363 min Scan# 897
Delta R.T. -0.265 min
Lab File: BF136326.D
Acq: 30 Nov 2023 21:49

Instrument :
BNA_F
ClientSampleId :

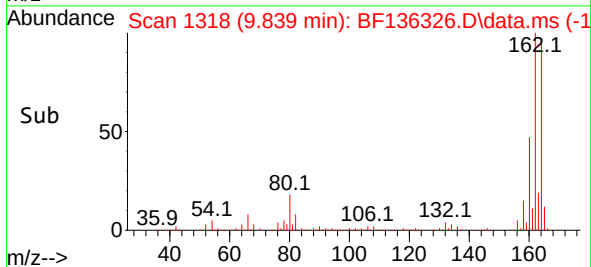
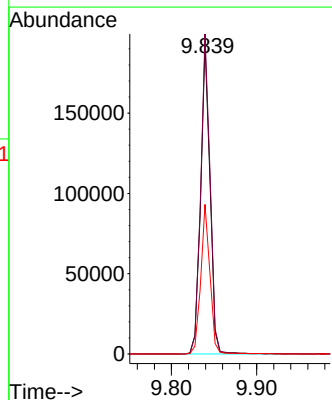
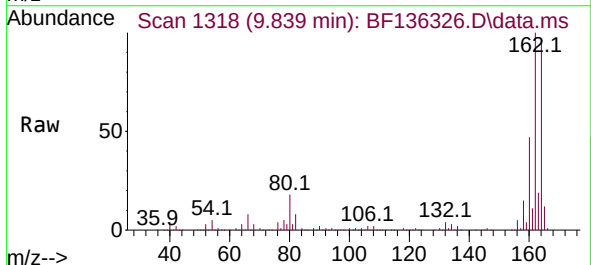


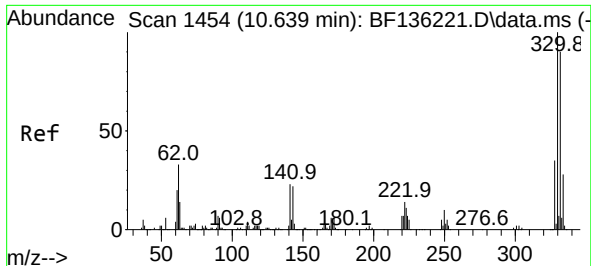
Tgt Ion: 82 Resp: 294774
Ion Ratio Lower Upper
82 100
95 0.0 5.5 8.3#
138 0.0 12.8 19.2#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.839 min Scan# 1318
Delta R.T. -0.006 min
Lab File: BF136326.D
Acq: 30 Nov 2023 21:49

Tgt Ion: 164 Resp: 147772
Ion Ratio Lower Upper
164 100
162 103.1 89.5 134.3
160 48.2 39.6 59.4





#42

2,4,6-Tribromophenol

Concen: 74.345 ng

RT: 10.633 min Scan# 1454

Delta R.T. -0.006 min

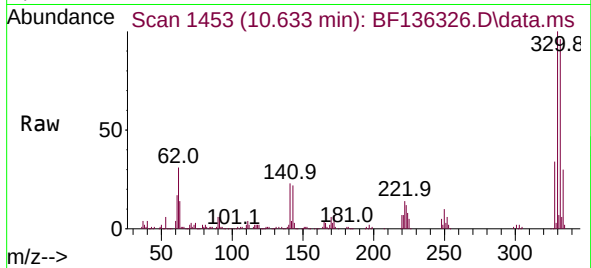
Lab File: BF136326.D

Acq: 30 Nov 2023 21:49

Instrument :

BNA_F

ClientSampleId :



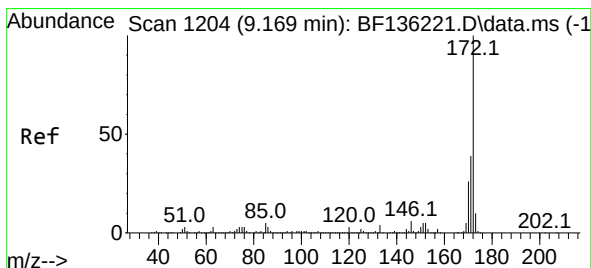
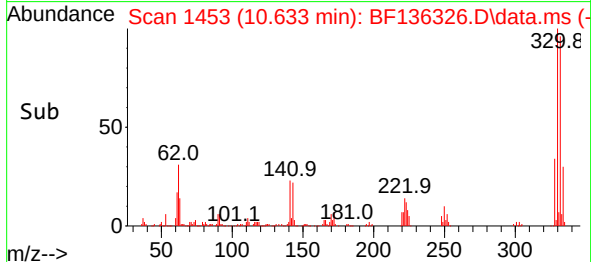
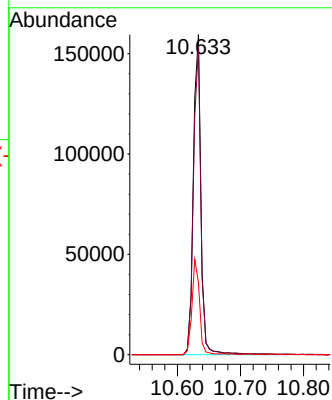
Tgt Ion:330 Resp: 134315

Ion Ratio Lower Upper

330 100

332 94.4 73.0 109.6

141 30.1 24.2 36.2



#45

2-Fluorobiphenyl

Concen: 48.020 ng

RT: 9.163 min Scan# 1203

Delta R.T. -0.006 min

Lab File: BF136326.D

Acq: 30 Nov 2023 21:49

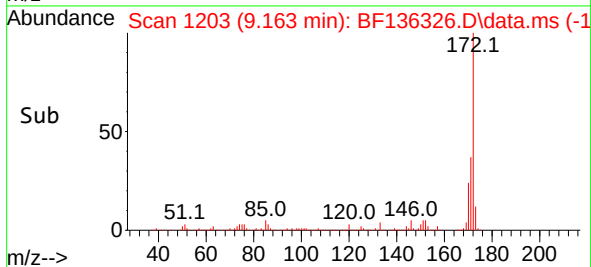
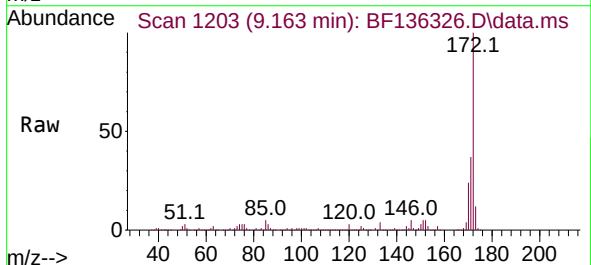
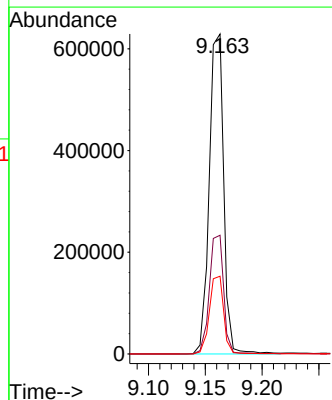
Tgt Ion:172 Resp: 555547

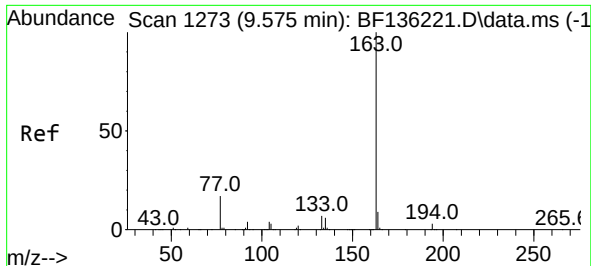
Ion Ratio Lower Upper

172 100

171 37.1 31.5 47.3

170 24.3 20.8 31.2

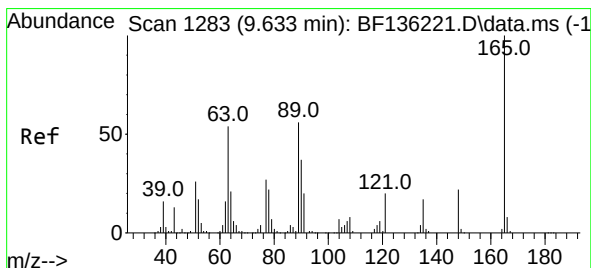
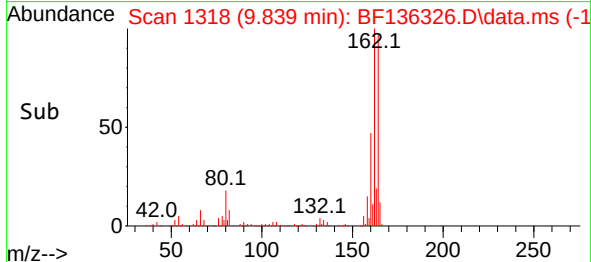
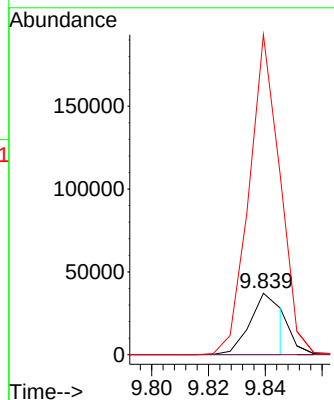
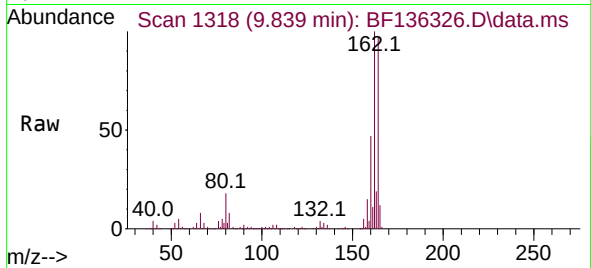




#50
Dimethylphthalate
Concen: 2.606 ng
RT: 9.839 min Scan# 1318
Delta R.T. 0.265 min
Lab File: BF136326.D
Acq: 30 Nov 2023 21:49

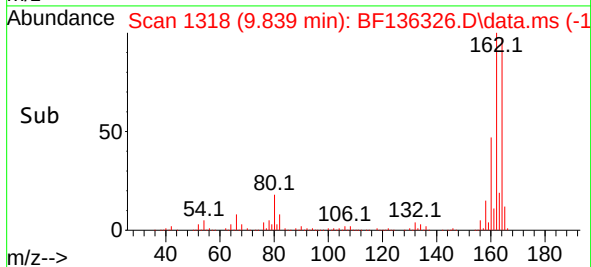
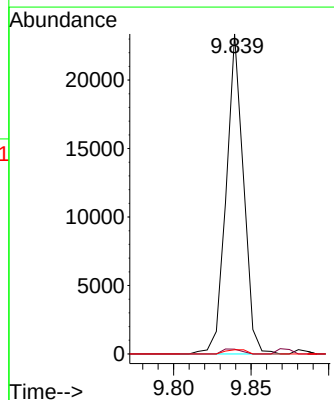
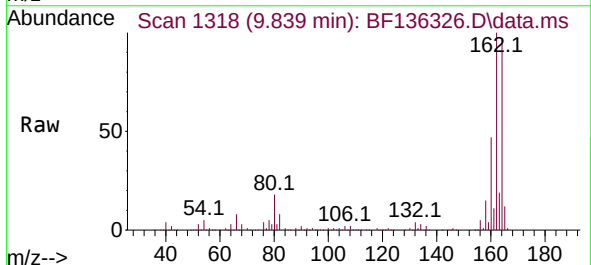
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BNA_F
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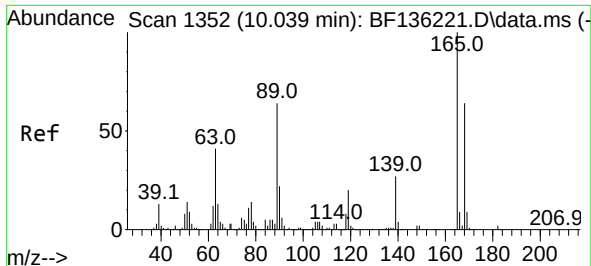
Tgt Ion:163 Resp: 29110
Ion Ratio Lower Upper
163 100
194 0.0 2.5 3.7#
164 520.4 7.0 10.6#



#51
2,6-Dinitrotoluene
Concen: 7.946 ng
RT: 9.839 min Scan# 1318
Delta R.T. 0.206 min
Lab File: BF136326.D
Acq: 30 Nov 2023 21:49

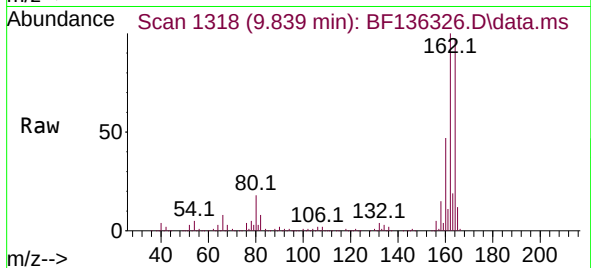
Tgt Ion:165 Resp: 18131
Ion Ratio Lower Upper
165 100
63 1.5 46.2 69.2#
89 1.3 44.9 67.3#



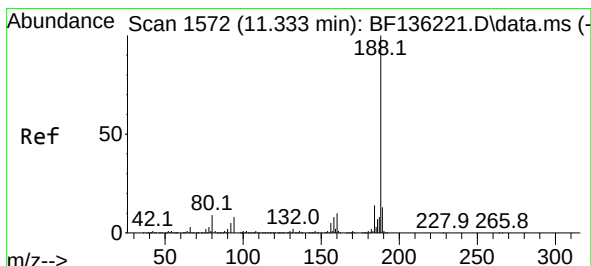
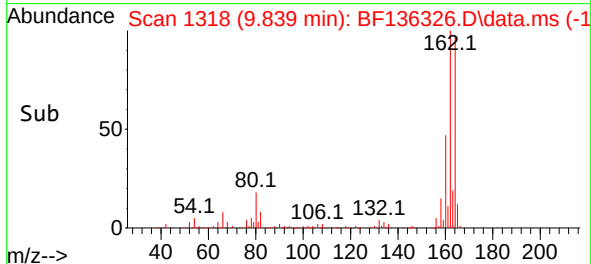
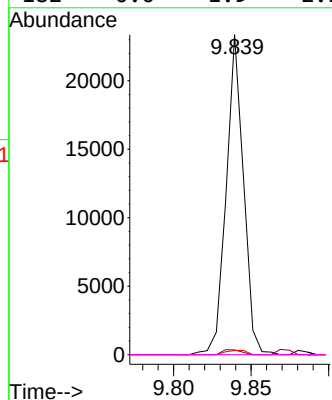


#57
2,4-Dinitrotoluene
Concen: 5.949 ng
RT: 9.839 min Scan# 1318
Delta R.T. -0.200 min
Lab File: BF136326.D
Acq: 30 Nov 2023 21:49

Instrument :
BNA_F
ClientSampleId :

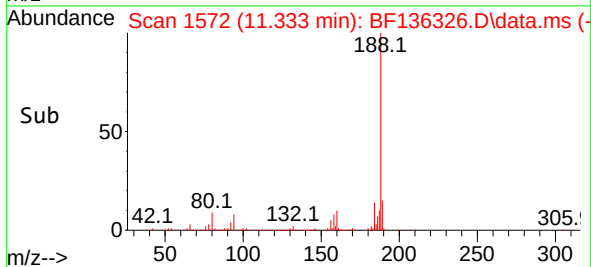
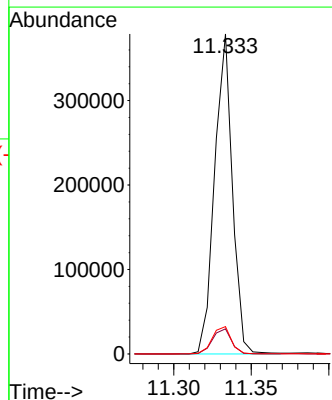
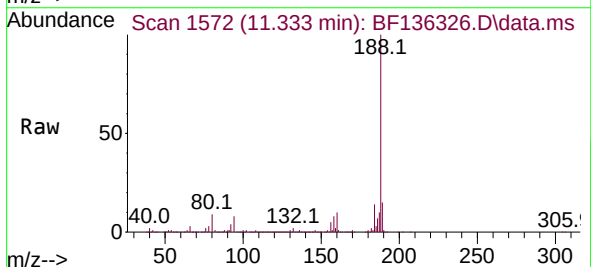


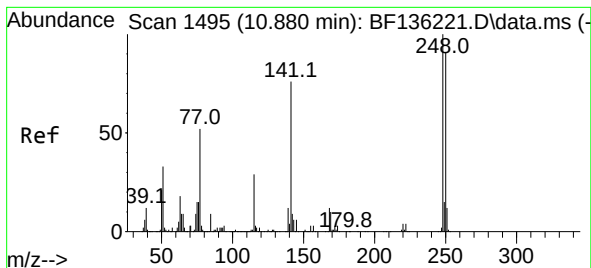
Tgt Ion:165 Resp: 18131
Ion Ratio Lower Upper
165 100
63 1.5 33.0 49.4#
89 1.3 51.5 77.3#
182 0.0 1.9 2.9#



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.333 min Scan# 1572
Delta R.T. 0.000 min
Lab File: BF136326.D
Acq: 30 Nov 2023 21:49

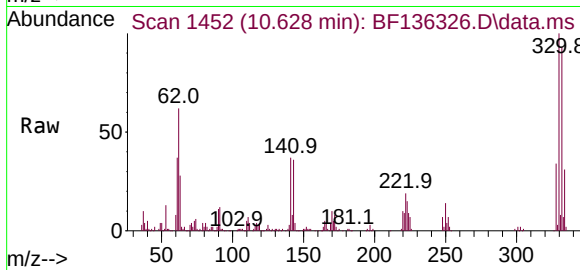
Tgt Ion:188 Resp: 301499
Ion Ratio Lower Upper
188 100
94 7.9 6.7 10.1
80 8.5 7.2 10.8



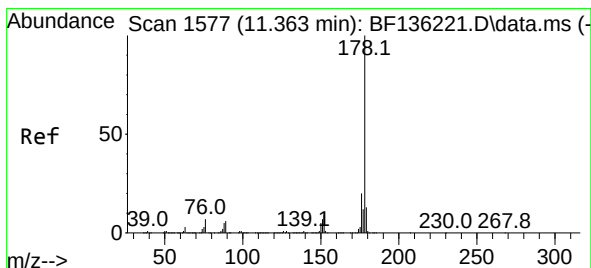
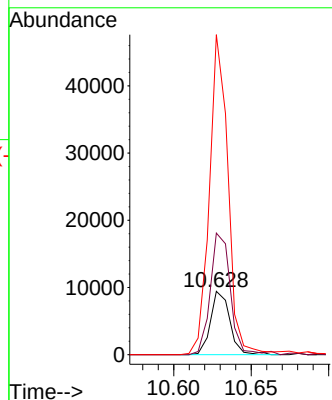
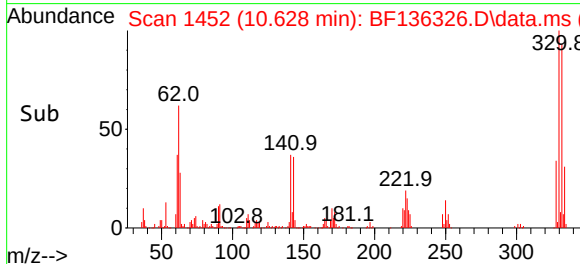


#67
4-Bromophenyl-phenylether
Concen: 2.321 ng
RT: 10.628 min Scan# 1495
Delta R.T. -0.253 min
Lab File: BF136326.D
Acq: 30 Nov 2023 21:49

Instrument :
BNA_F
ClientSampleId :

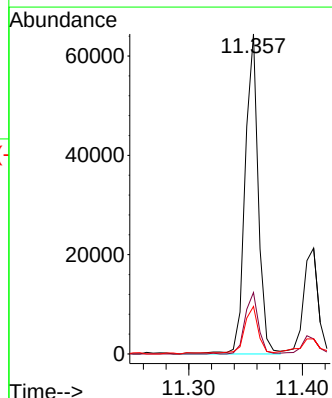
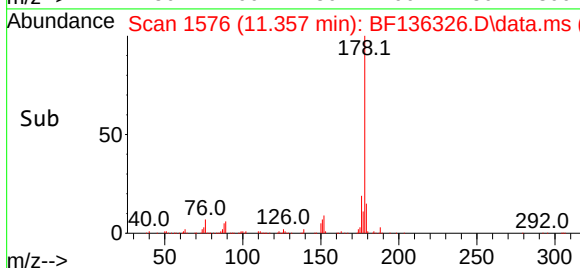
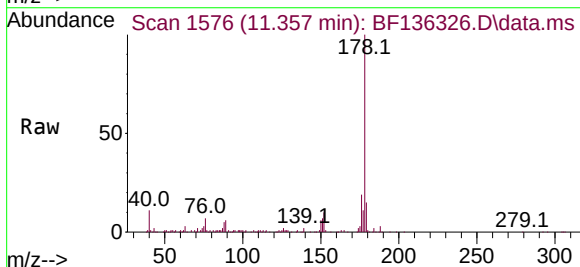


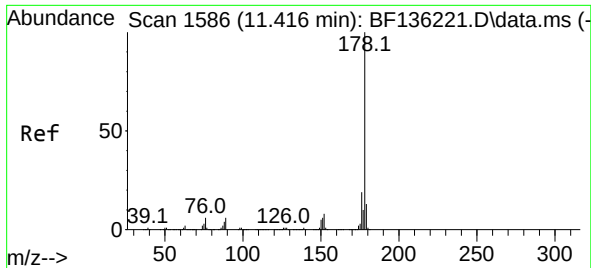
Tgt Ion:248 Resp: 8164
Ion Ratio Lower Upper
248 100
250 191.8 72.5 108.7#
141 505.0 60.8 91.2#



#71
Phenanthrene
Concen: 3.065 ng
RT: 11.357 min Scan# 1576
Delta R.T. -0.006 min
Lab File: BF136326.D
Acq: 30 Nov 2023 21:49

Tgt Ion:178 Resp: 51937
Ion Ratio Lower Upper
178 100
176 19.2 16.2 24.2
179 14.8 10.3 15.5

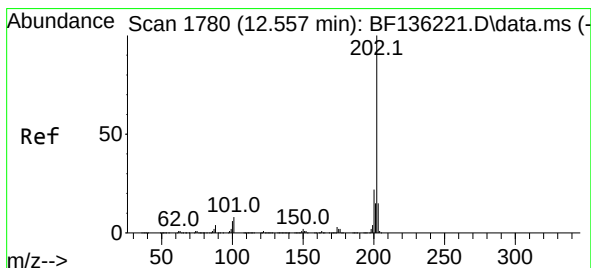
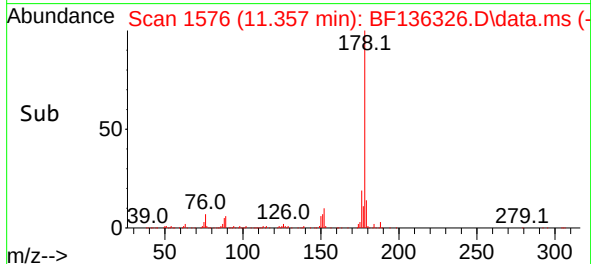
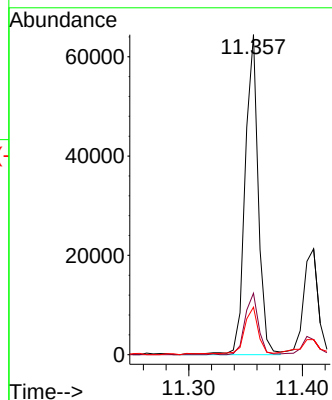
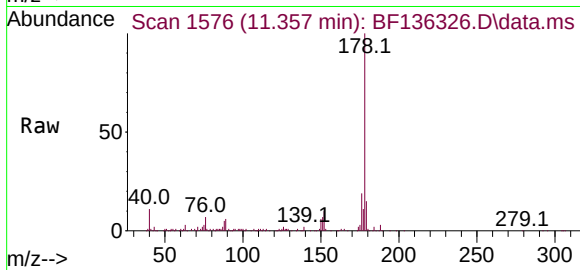




#72
 Anthracene
 Concen: 3.056 ng
 RT: 11.357 min Scan# 11
 Delta R.T. -0.059 min
 Lab File: BF136326.D
 Acq: 30 Nov 2023 21:49

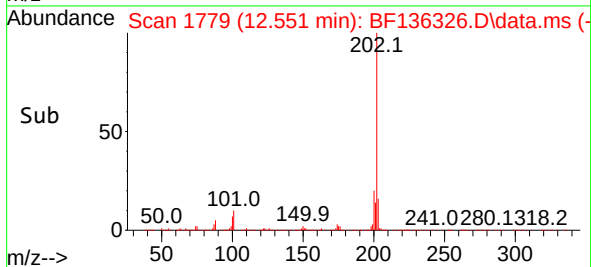
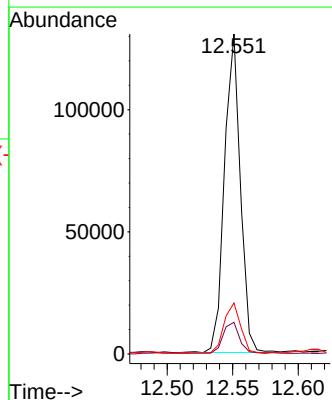
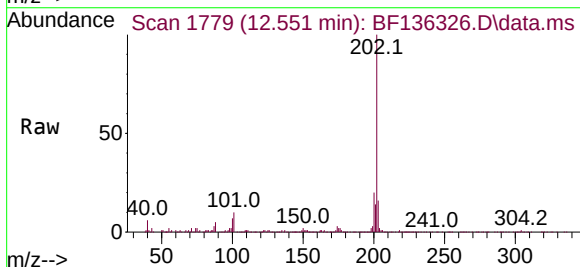
Instrument :
 BNA_F
 ClientSampleId :

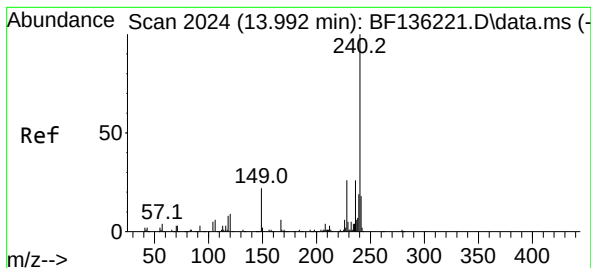
Tgt Ion:178 Resp: 51937
 Ion Ratio Lower Upper
 178 100
 176 19.2 15.5 23.3
 179 14.8 10.5 15.7



#75
 Fluoranthene
 Concen: 6.374 ng
 RT: 12.551 min Scan# 1779
 Delta R.T. -0.006 min
 Lab File: BF136326.D
 Acq: 30 Nov 2023 21:49

Tgt Ion:202 Resp: 109648
 Ion Ratio Lower Upper
 202 100
 101 9.9 0.0 27.8
 203 15.9 0.0 34.5





#76

Chrysene-d12

Concen: 20.000 ng

RT: 13.986 min Scan# 20

Delta R.T. -0.006 min

Lab File: BF136326.D

Acq: 30 Nov 2023 21:49

Instrument :

BNA_F

ClientSampleId :

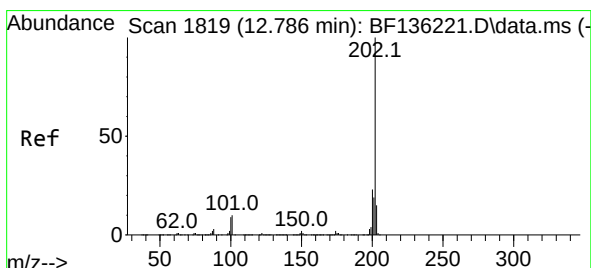
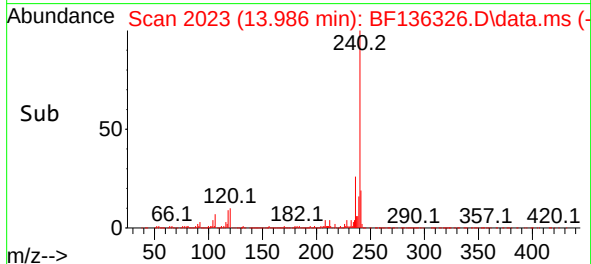
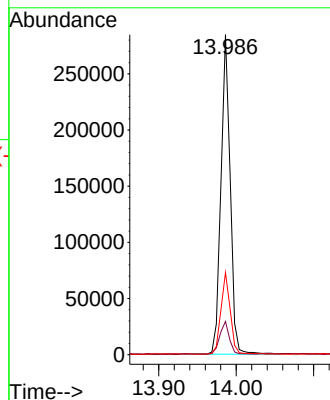
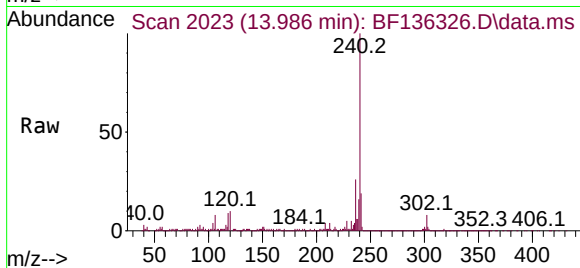
Tgt Ion:240 Resp: 236337

Ion Ratio Lower Upper

240 100

120 10.4 7.4 11.2

236 25.7 21.1 31.7



#78

Pyrene

Concen: 3.735 ng

RT: 12.780 min Scan# 1818

Delta R.T. -0.006 min

Lab File: BF136326.D

Acq: 30 Nov 2023 21:49

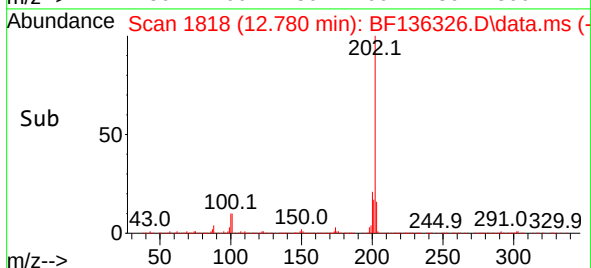
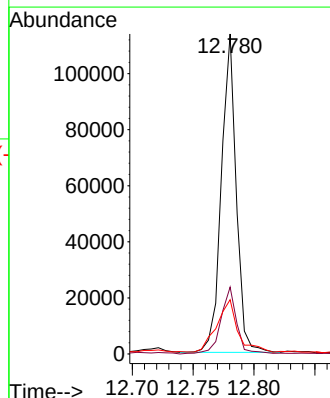
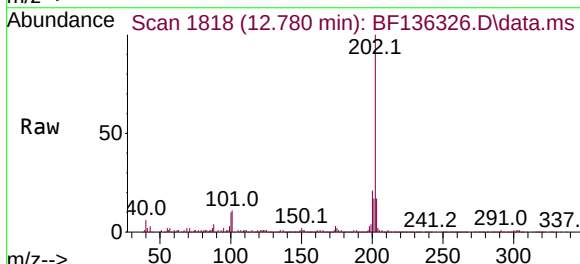
Tgt Ion:202 Resp: 96664

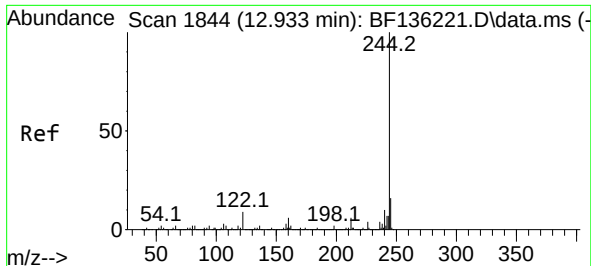
Ion Ratio Lower Upper

202 100

200 20.9 18.4 27.6

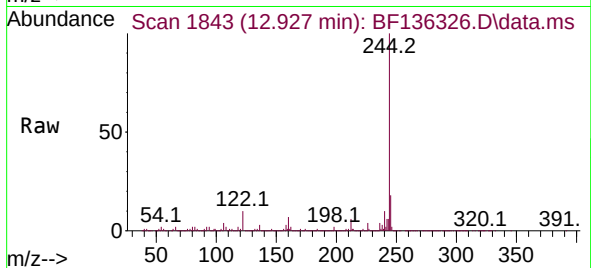
203 16.9 11.8 17.6



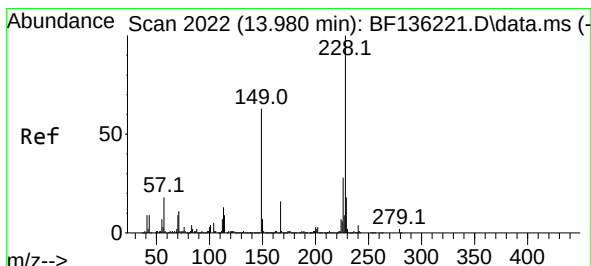
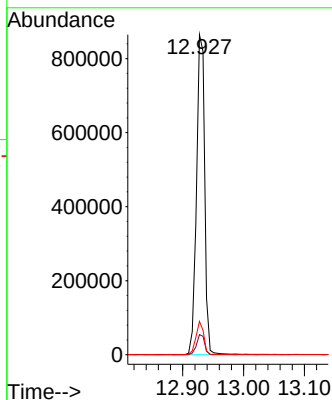
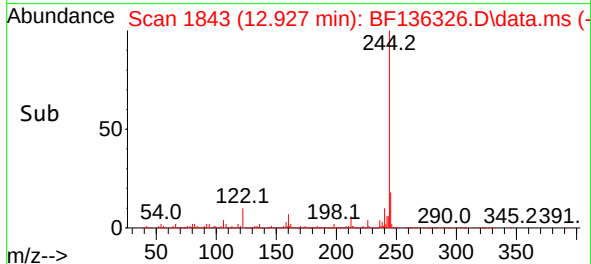


#79
 Terphenyl-d14
 Concen: 39.547 ng
 RT: 12.927 min Scan# 1843
 Delta R.T. -0.006 min
 Lab File: BF136326.D
 Acq: 30 Nov 2023 21:49

Instrument :
 BNA_F
 ClientSampleId :

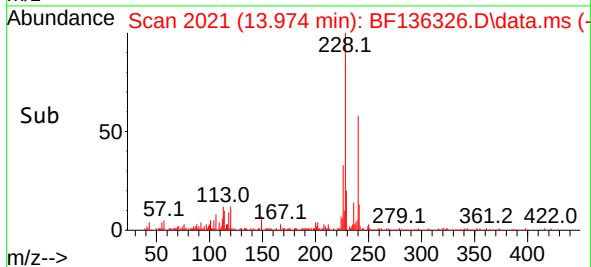
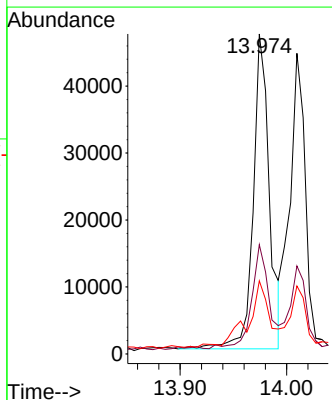
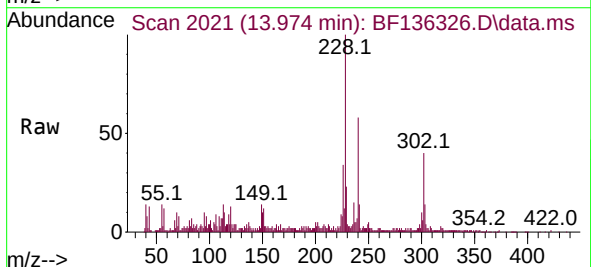


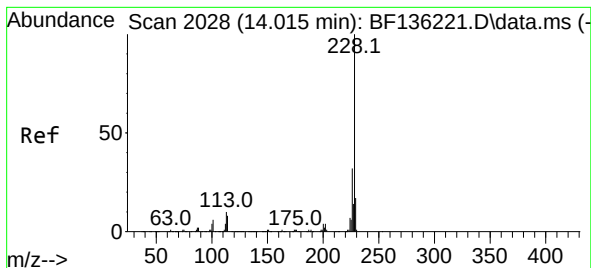
Tgt Ion:244 Resp: 810277
 Ion Ratio Lower Upper
 244 100
 212 6.2 4.6 7.0
 122 10.4 7.3 10.9



#81
 Benzo(a)anthracene
 Concen: 2.824 ng
 RT: 13.974 min Scan# 2021
 Delta R.T. -0.006 min
 Lab File: BF136326.D
 Acq: 30 Nov 2023 21:49

Tgt Ion:228 Resp: 49565
 Ion Ratio Lower Upper
 228 100
 226 34.1 22.6 34.0#
 229 22.9 14.0 21.0#





#83

Chrysene

Concen: 2.630 ng

RT: 14.010 min Scan# 20

Delta R.T. -0.006 min

Lab File: BF136326.D

Acq: 30 Nov 2023 21:49

Instrument :

BNA_F

ClientSampleId :

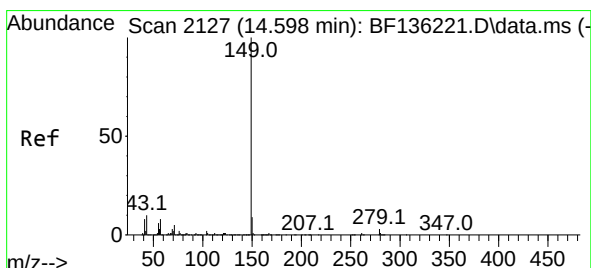
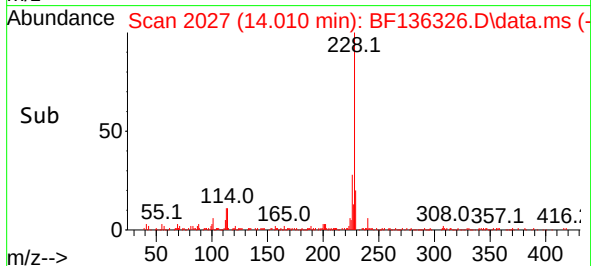
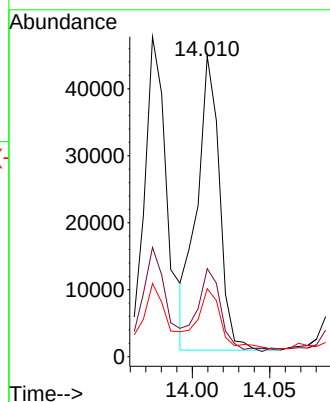
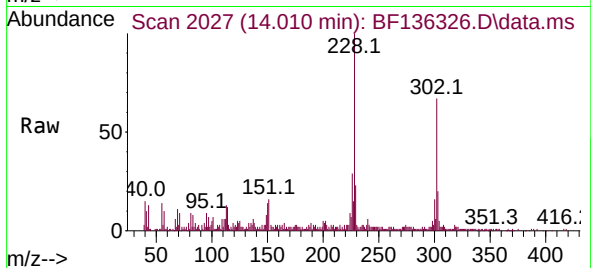
Tgt Ion:228 Resp: 44569

Ion Ratio Lower Upper

228 100

226 29.3 25.5 38.3

229 22.6 13.9 20.9#



#85

Di-n-octyl phthalate

Concen: 5.269 ng

RT: 14.615 min Scan# 2130

Delta R.T. 0.017 min

Lab File: BF136326.D

Acq: 30 Nov 2023 21:49

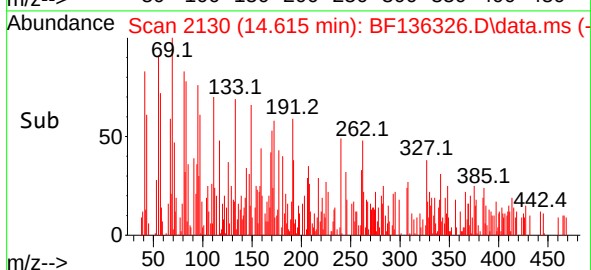
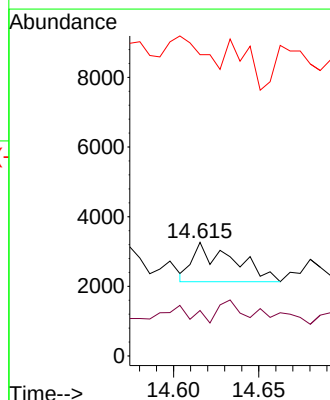
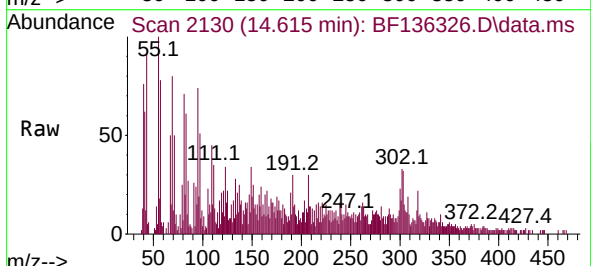
Tgt Ion:149 Resp: 1880

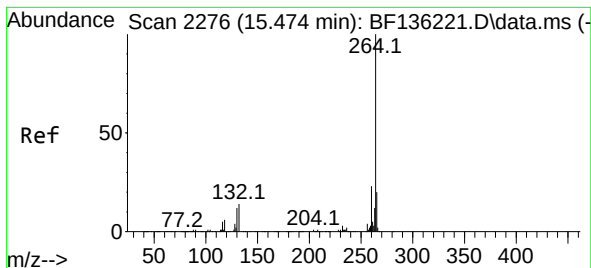
Ion Ratio Lower Upper

149 100

167 29.2 1.0 1.6#

43 63.1 7.2 10.8#





#86

Perylene-d12

Concen: 20.000 ng

RT: 15.474 min Scan# 21

Delta R.T. 0.000 min

Lab File: BF136326.D

Acq: 30 Nov 2023 21:49

Instrument :

BNA_F

ClientSampleId :

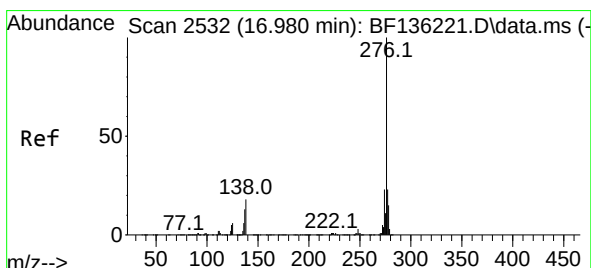
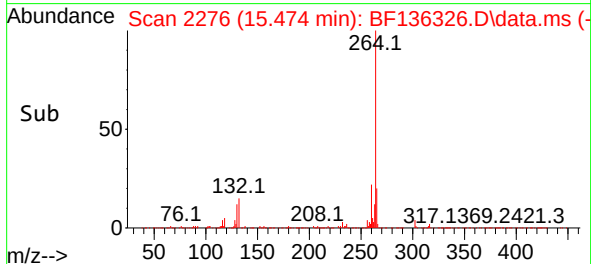
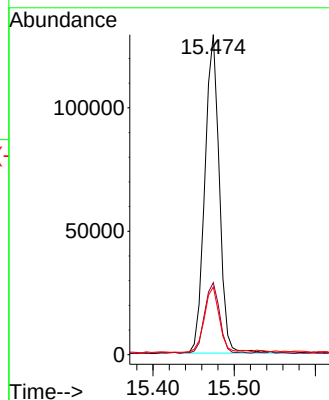
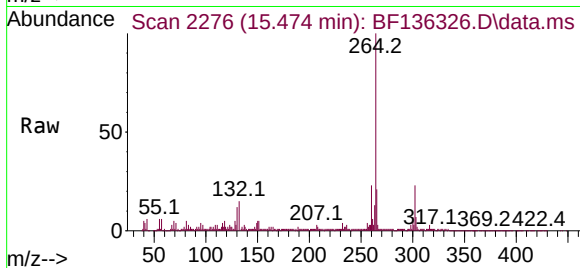
Tgt Ion:264 Resp: 160169

Ion Ratio Lower Upper

264 100

260 22.5 18.6 27.8

265 21.2 15.7 23.5



#87

Indeno(1,2,3-cd)pyrene

Concen: 4.530 ng

RT: 16.974 min Scan# 2531

Delta R.T. -0.006 min

Lab File: BF136326.D

Acq: 30 Nov 2023 21:49

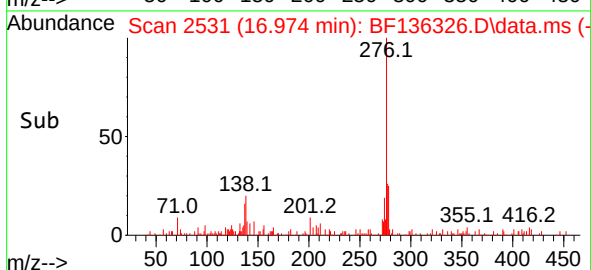
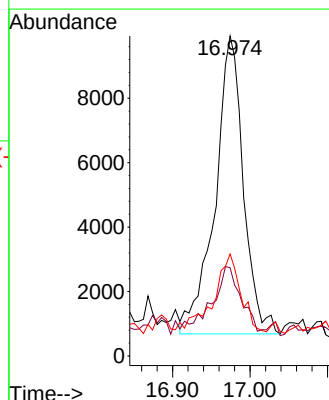
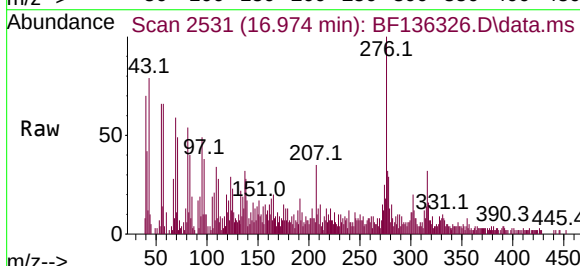
Tgt Ion:276 Resp: 23472

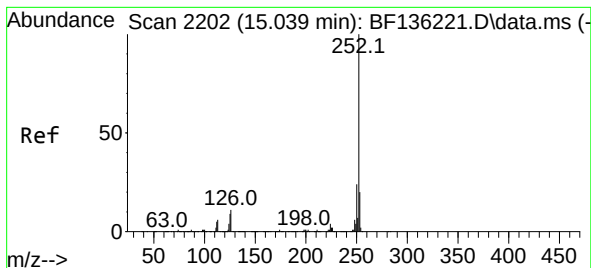
Ion Ratio Lower Upper

276 100

138 25.3 17.7 26.5

277 25.4 19.6 29.4





#88

Benzo(b)fluoranthene

Concen: 5.309 ng

RT: 15.033 min Scan# 2201

Delta R.T. -0.006 min

Lab File: BF136326.D

Acq: 30 Nov 2023 21:49

Instrument :

BNA_F

ClientSampleId :

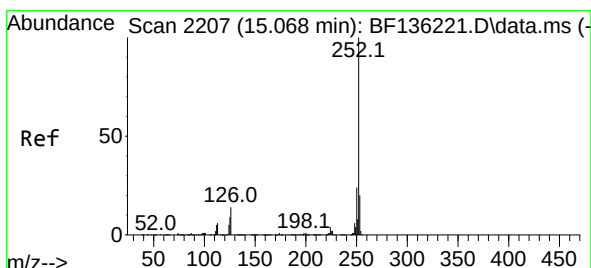
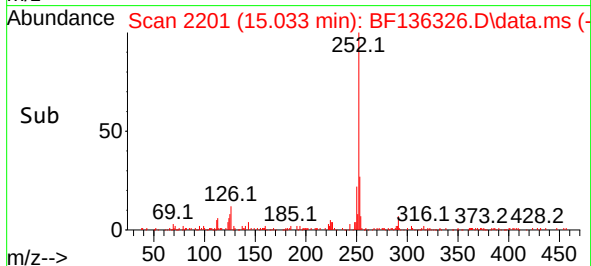
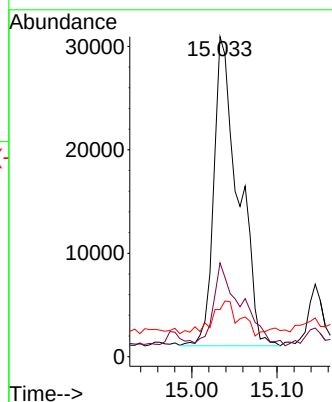
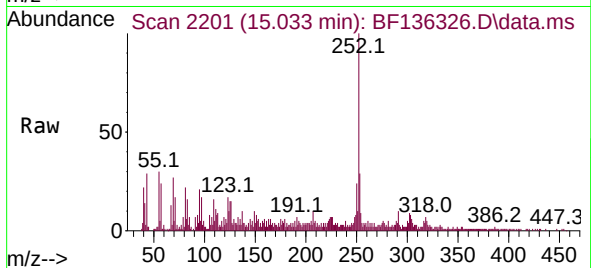
Tgt Ion:252 Resp: 59663

Ion Ratio Lower Upper

252 100

253 29.3 16.2 24.2#

125 14.7 6.9 10.3#



#89

Benzo(k)fluoranthene

Concen: 5.590 ng

RT: 15.033 min Scan# 2201

Delta R.T. -0.035 min

Lab File: BF136326.D

Acq: 30 Nov 2023 21:49

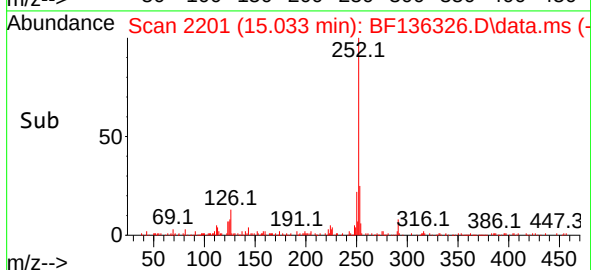
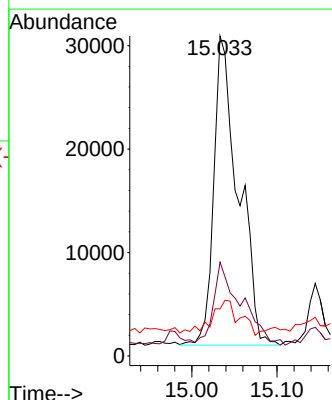
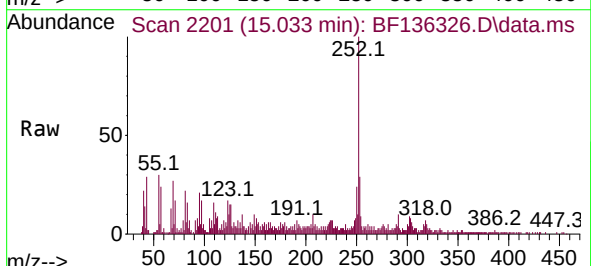
Tgt Ion:252 Resp: 59663

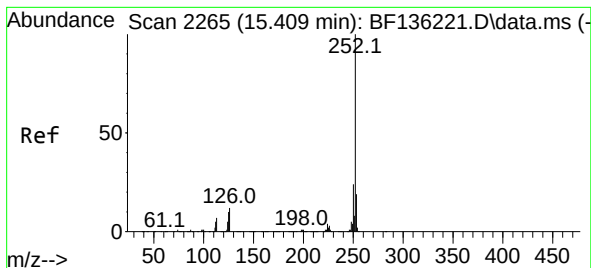
Ion Ratio Lower Upper

252 100

253 29.3 15.6 23.4#

125 14.7 7.0 10.4#





#90

Benzo(a)pyrene

Concen: 3.165 ng

RT: 15.404 min Scan# 21

Delta R.T. -0.005 min

Lab File: BF136326.D

Acq: 30 Nov 2023 21:49

Instrument :

BNA_F

ClientSampleId :

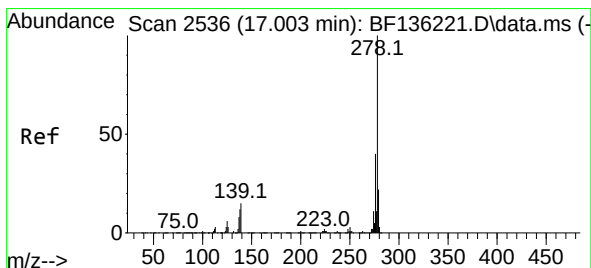
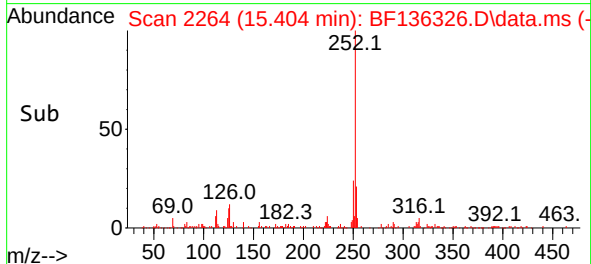
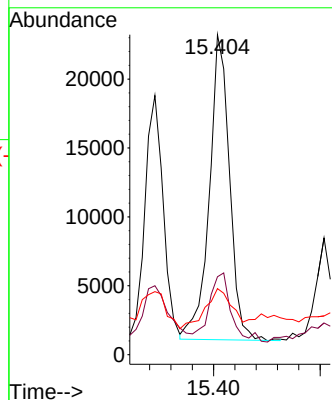
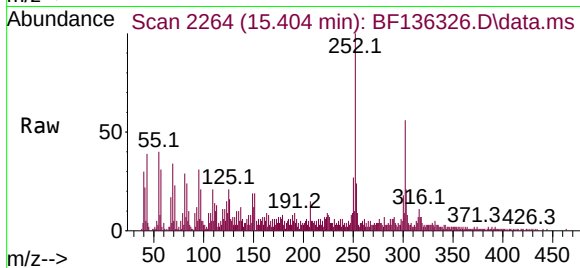
Tgt Ion:252 Resp: 29078

Ion Ratio Lower Upper

252 100

253 24.4 15.5 23.3#

125 20.7 7.9 11.9#



#91

Dibenzo(a,h)anthracene

Concen: 3.544 ng

RT: 16.986 min Scan# 2533

Delta R.T. -0.017 min

Lab File: BF136326.D

Acq: 30 Nov 2023 21:49

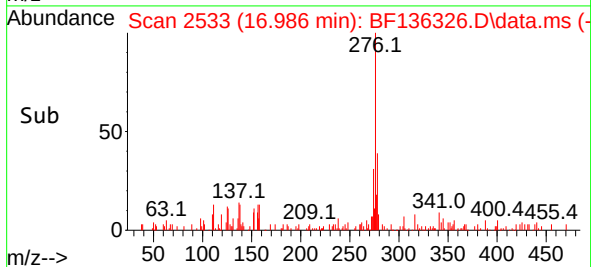
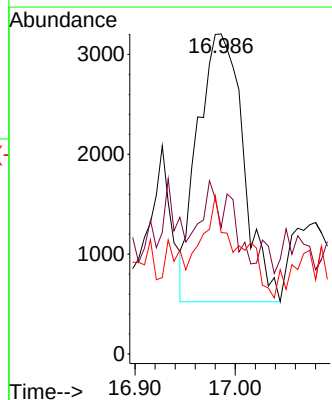
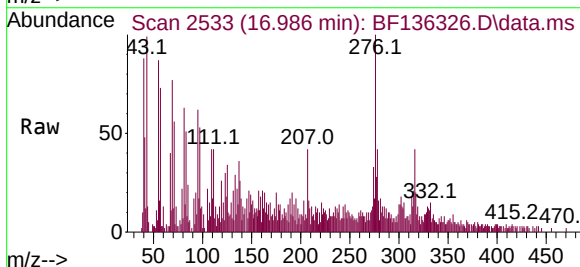
Tgt Ion:278 Resp: 8458

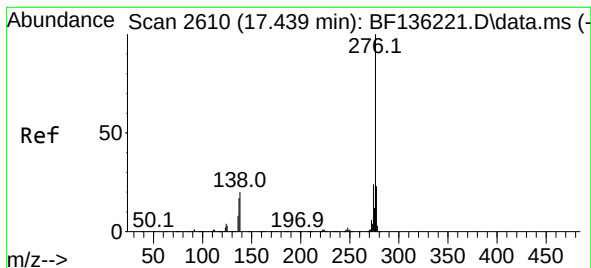
Ion Ratio Lower Upper

278 100

139 39.6 11.7 17.5#

279 37.9 17.8 26.8#





#92

Benzo(g,h,i)perylene

Concen: 4.096 ng

RT: 17.439 min Scan# 20

Delta R.T. -0.000 min

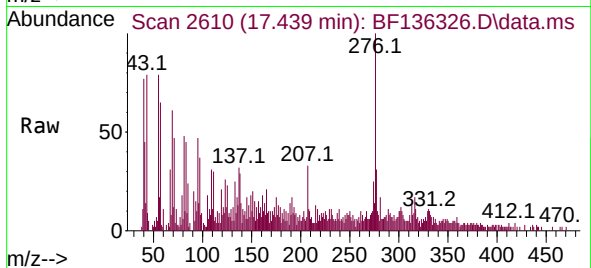
Lab File: BF136326.D

Acq: 30 Nov 2023 21:49

Instrument :

BNA_F

ClientSampleId :



Tgt Ion:276 Resp: 22043

Ion Ratio Lower Upper

276 100

277 30.7 18.6 27.8#

138 28.8 15.8 23.8#

