

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF112723\
 Data File : BF136236.D
 Acq On : 27 Nov 2023 22:38
 Operator : CG\JU
 Sample : 05516-02
 Misc :
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 72-11930

Quant Time: Nov 28 04:13:28 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)

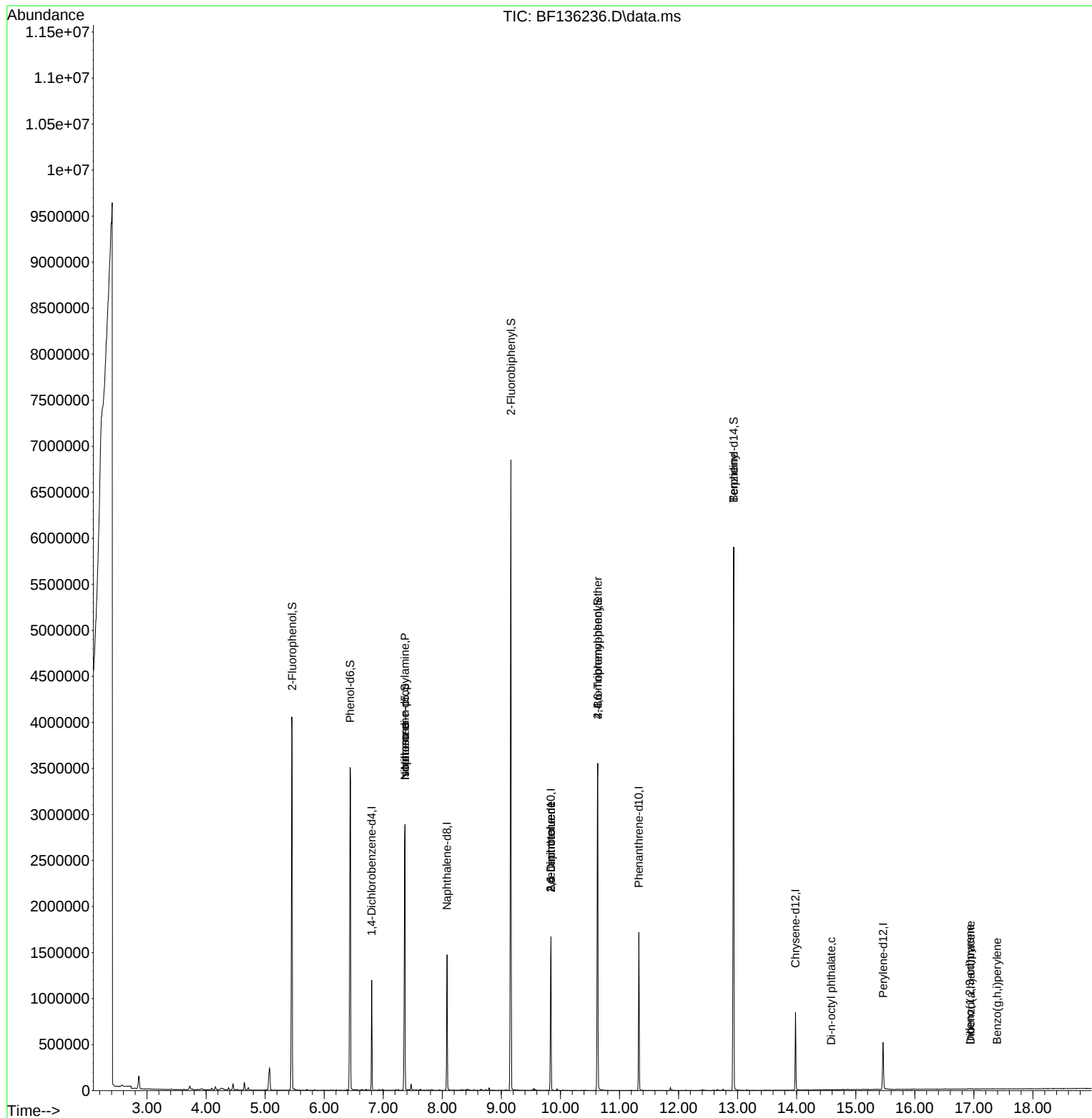
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.804	152	144320	20.000	ng	0.00
21) Naphthalene-d8	8.081	136	616832	20.000	ng	0.00
39) Acenaphthene-d10	9.839	164	319998	20.000	ng	0.00
64) Phenanthrene-d10	11.327	188	579844	20.000	ng	0.00
76) Chrysene-d12	13.980	240	264857	20.000	ng	-0.01
86) Perylene-d12	15.462	264	238726	20.000	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.457	112	1249587	120.513	ng	0.02
7) Phenol-d6	6.439	99	1439966	111.066	ng	0.00
23) Nitrobenzene-d5	7.369	82	1040682	89.154	ng	0.00
42) 2,4,6-Tribromophenol	10.633	330	514338	131.469	ng	0.00
45) 2-Fluorobiphenyl	9.163	172	2147532	85.721	ng	0.00
79) Terphenyl-d14	12.933	244	2221407	96.745	ng	0.00
Target Compounds						
						Qvalue
19) n-Nitroso-di-n-propyla...	7.369	70	135517	17.477	ng	# 75
25) Isophorone	7.369	82	1039201	49.373	ng	# 68
51) 2,6-Dinitrotoluene	9.839	165	39028	7.899	ng	# 25
57) 2,4-Dinitrotoluene	9.839	165	39028	5.913	ng	# 28
67) 4-Bromophenyl-phenylether	10.633	248	28790	4.256	ng	# 1
77) Benzidine	12.933	184	23867	5.482	ng	# 90
85) Di-n-octyl phthalate	14.586	149	135	5.169	ng	# 1
87) Indeno(1,2,3-cd)pyrene	16.933	276	2703	2.822	ng	# 85
91) Dibenzo(a,h)anthracene	16.945	278	2362	2.869	ng	# 58
92) Benzo(g,h,i)perylene	17.392	276	1919	2.029	ng	96

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

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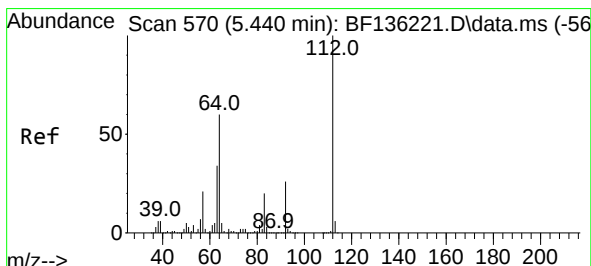
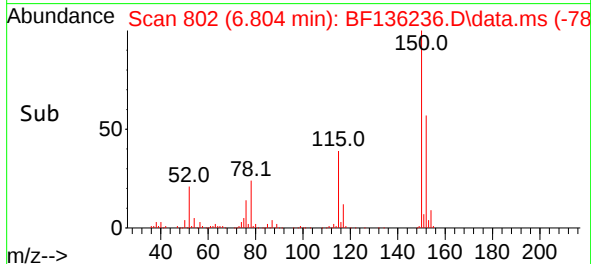
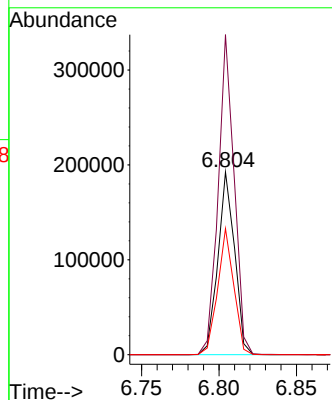
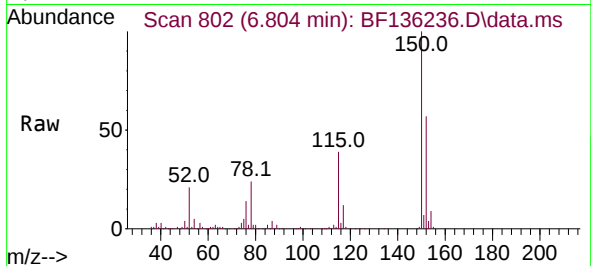




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.804 min Scan# 803
Delta R.T. -0.006 min
Lab File: BF136236.D
Acq: 27 Nov 2023 22:38

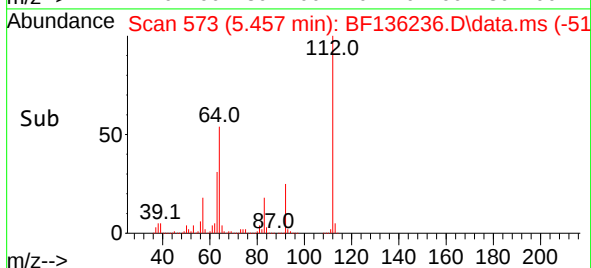
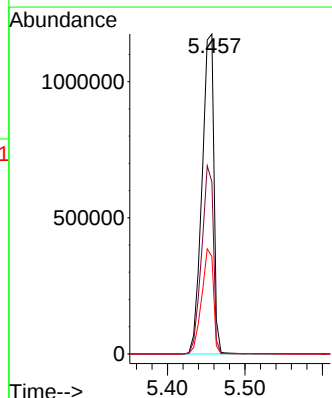
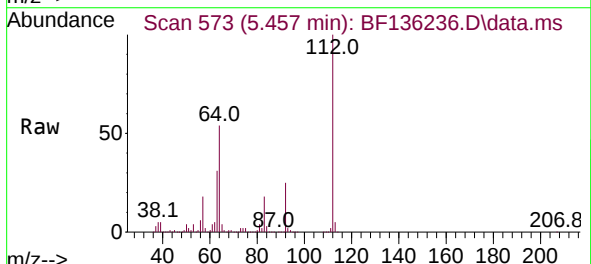
Instrument :
BNA_F
ClientSampleId :
72-11930

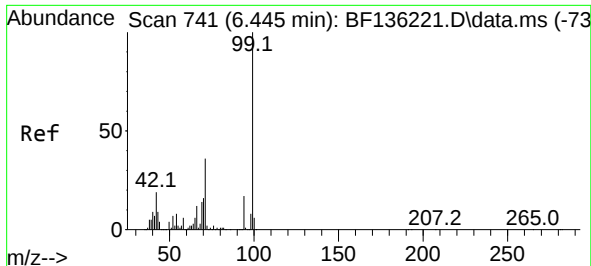
Tgt Ion:152 Resp: 144320
Ion Ratio Lower Upper
152 100
150 175.2 137.8 206.8
115 69.0 52.7 79.1



#5
2-Fluorophenol
Concen: 120.513 ng
RT: 5.457 min Scan# 573
Delta R.T. 0.018 min
Lab File: BF136236.D
Acq: 27 Nov 2023 22:38

Tgt Ion:112 Resp: 1249587
Ion Ratio Lower Upper
112 100
64 53.8 48.2 72.4
63 30.5 27.0 40.6

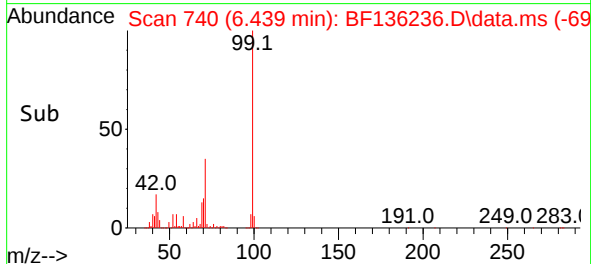
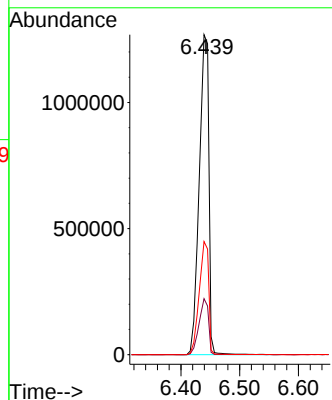
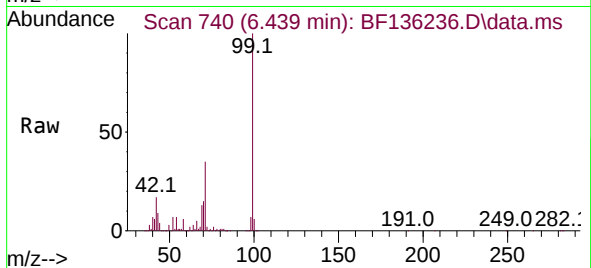




#7
Phenol-d6
Concen: 111.066 ng
RT: 6.439 min Scan# 741
Delta R.T. -0.006 min
Lab File: BF136236.D
Acq: 27 Nov 2023 22:38

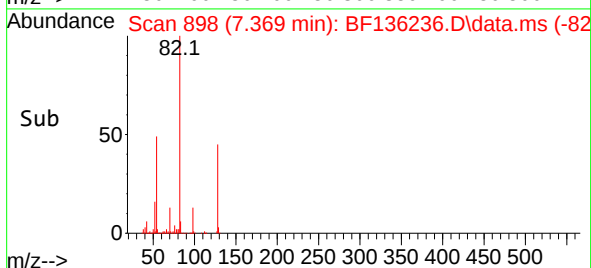
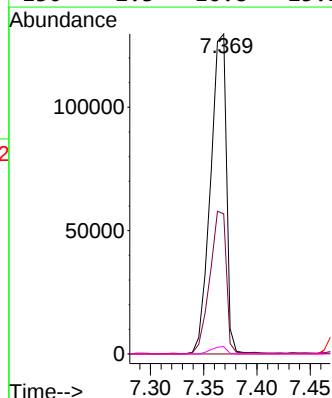
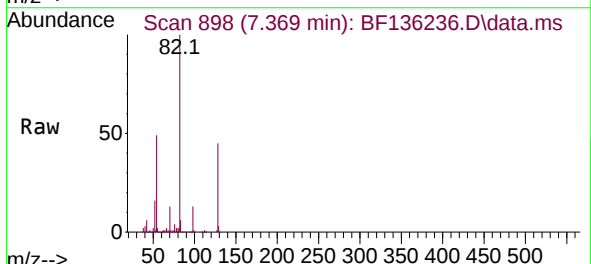
Instrument :
BNA_F
ClientSampleId :
72-11930

Tgt Ion: 99 Resp: 1439966
Ion Ratio Lower Upper
99 100
42 17.5 15.0 22.6
71 35.4 28.9 43.3



#19
n-Nitroso-di-n-propylamine
Concen: 17.477 ng
RT: 7.369 min Scan# 898
Delta R.T. 0.141 min
Lab File: BF136236.D
Acq: 27 Nov 2023 22:38

Tgt Ion: 70 Resp: 135517
Ion Ratio Lower Upper
70 100
42 43.8 47.0 70.4#
101 0.0 7.8 11.8#
130 2.3 16.8 25.2#

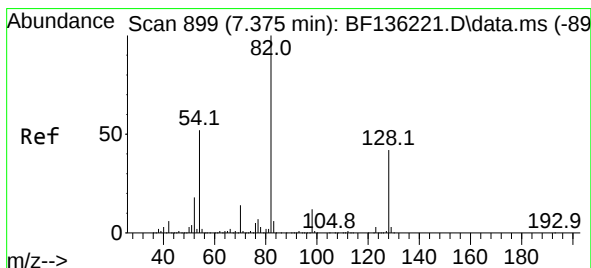
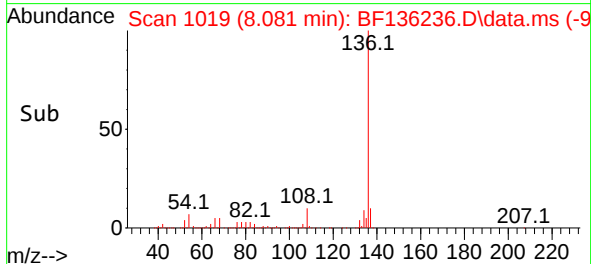
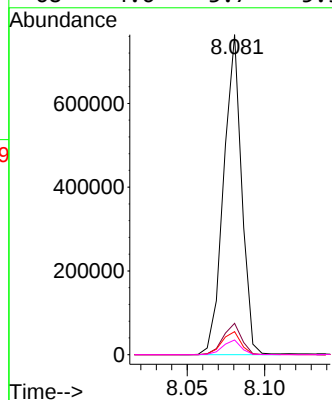
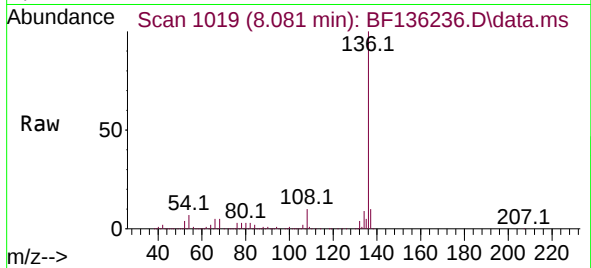




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.081 min Scan# 1019
Delta R.T. -0.006 min
Lab File: BF136236.D
Acq: 27 Nov 2023 22:38

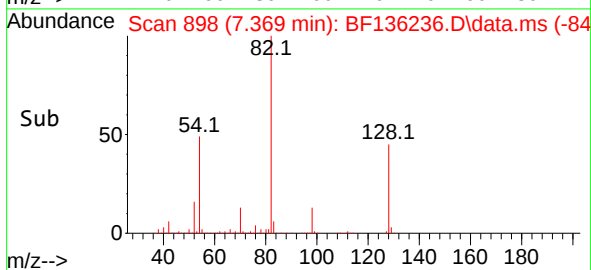
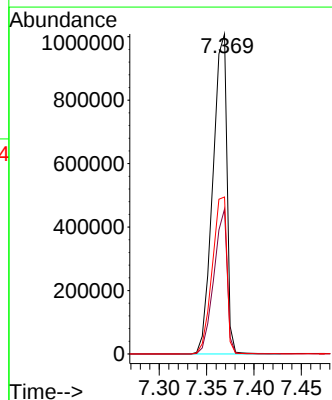
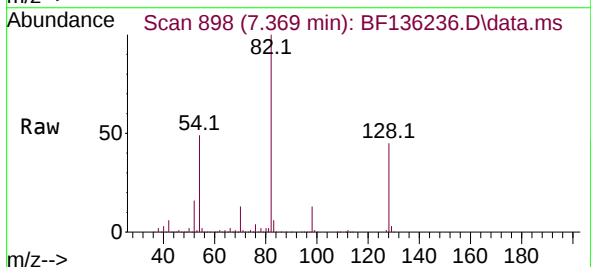
Instrument :
BNA_F
ClientSampleId :
72-11930

Tgt Ion:136 Resp: 616832
Ion Ratio Lower Upper
136 100
137 9.8 7.4 11.2
54 7.2 5.5 8.3
68 4.6 3.7 5.5



#23
Nitrobenzene-d5
Concen: 89.154 ng
RT: 7.369 min Scan# 898
Delta R.T. -0.006 min
Lab File: BF136236.D
Acq: 27 Nov 2023 22:38

Tgt Ion: 82 Resp: 1040682
Ion Ratio Lower Upper
82 100
128 45.3 33.4 50.2
54 49.1 41.7 62.5

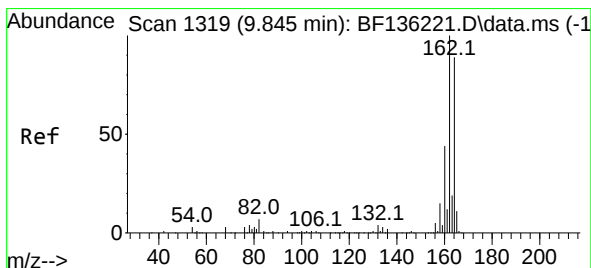
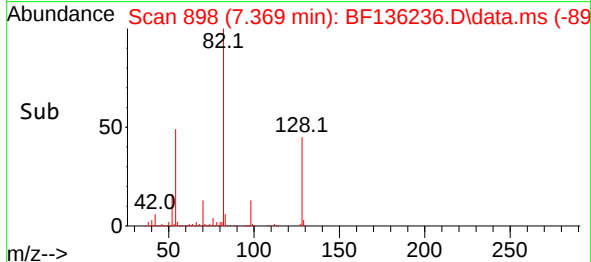
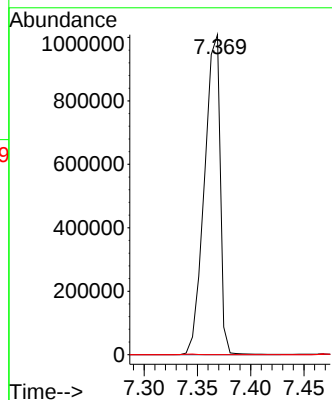
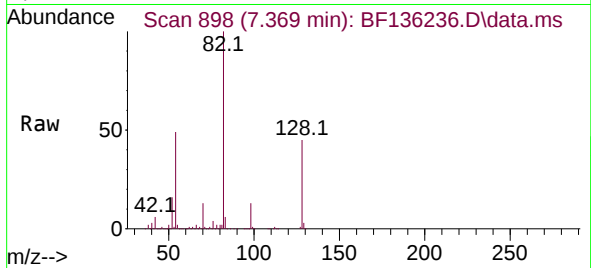




#25
Isophorone
Concen: 49.373 ng
RT: 7.369 min Scan# 89
Delta R.T. -0.259 min
Lab File: BF136236.D
Acq: 27 Nov 2023 22:38

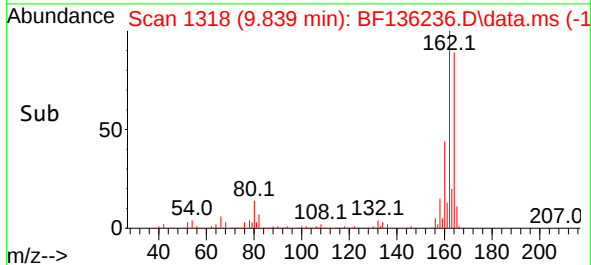
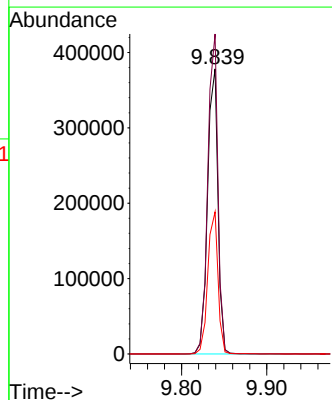
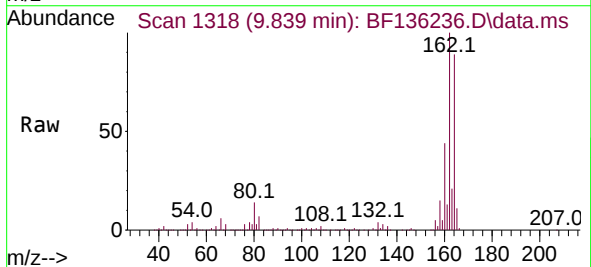
Instrument :
BNA_F
ClientSampleId :
72-11930

Tgt Ion: 82 Resp: 1039201
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: BF136236.D
Acq: 27 Nov 2023 22:38

Tgt Ion:164 Resp: 319998
Ion Ratio Lower Upper
164 100
162 112.3 89.5 134.3
160 49.8 39.6 59.4





#42

2,4,6-Tribromophenol

Concen: 131.469 ng

RT: 10.633 min Scan# 1454

Delta R.T. -0.006 min

Lab File: BF136236.D

Acq: 27 Nov 2023 22:38

Instrument :

BNA_F

ClientSampleId :

72-11930

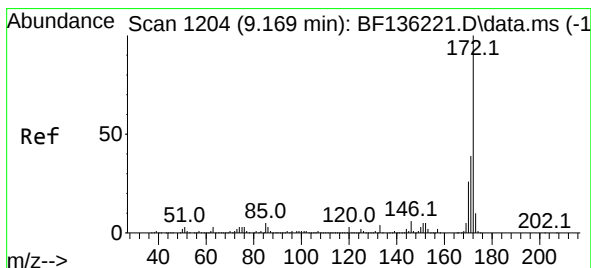
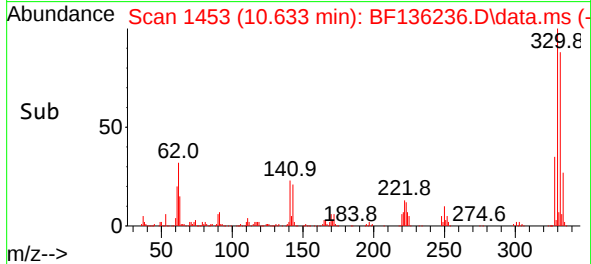
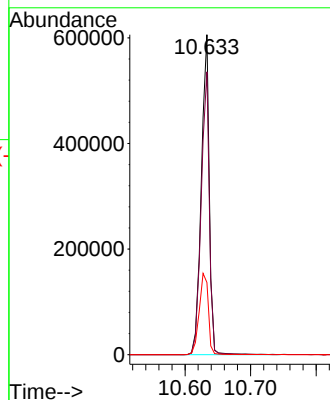
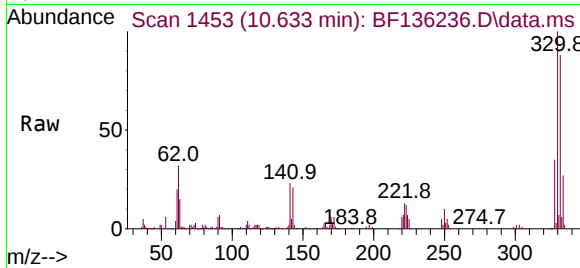
Tgt Ion:330 Resp: 514338

Ion Ratio Lower Upper

330 100

332 90.4 73.0 109.6

141 29.0 24.2 36.2



#45

2-Fluorobiphenyl

Concen: 85.721 ng

RT: 9.163 min Scan# 1203

Delta R.T. -0.006 min

Lab File: BF136236.D

Acq: 27 Nov 2023 22:38

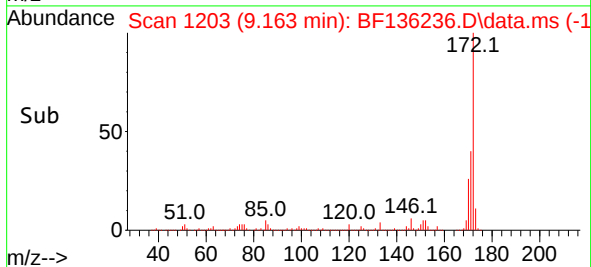
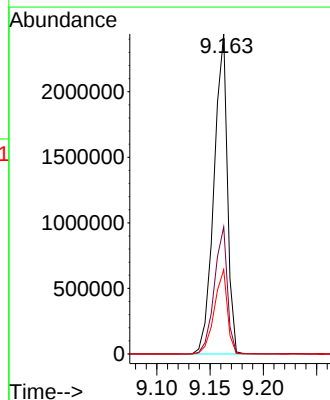
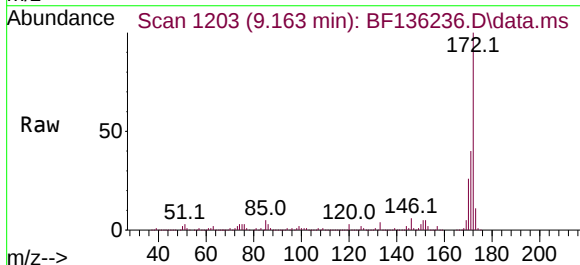
Tgt Ion:172 Resp: 2147532

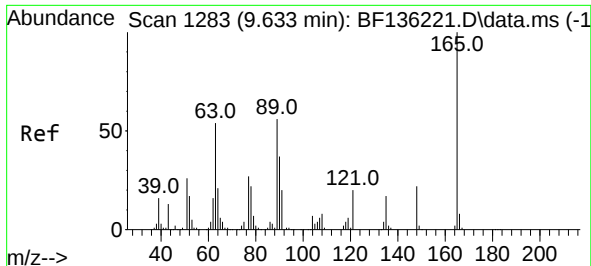
Ion Ratio Lower Upper

172 100

171 39.7 31.5 47.3

170 26.4 20.8 31.2

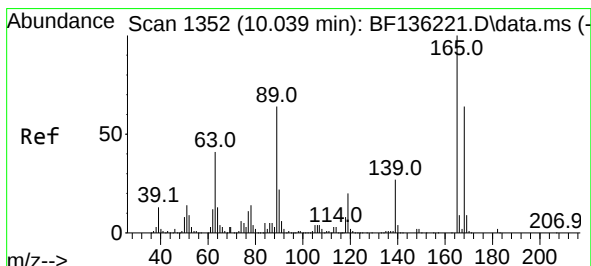
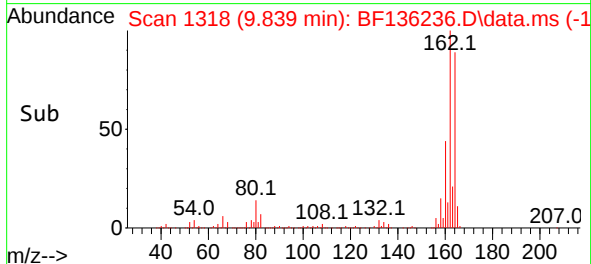
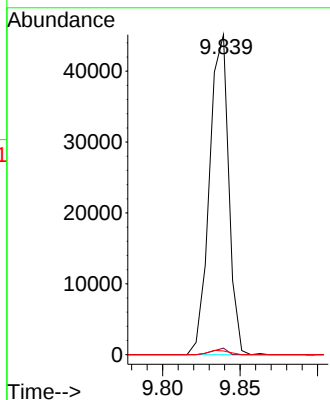
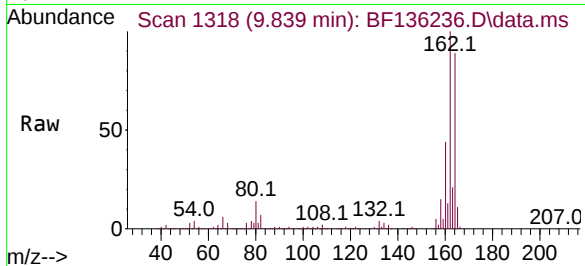




#51
2,6-Dinitrotoluene
Concen: 7.899 ng
RT: 9.839 min Scan# 11
Delta R.T. 0.206 min
Lab File: BF136236.D
Acq: 27 Nov 2023 22:38

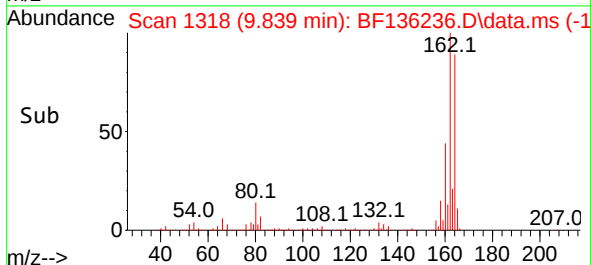
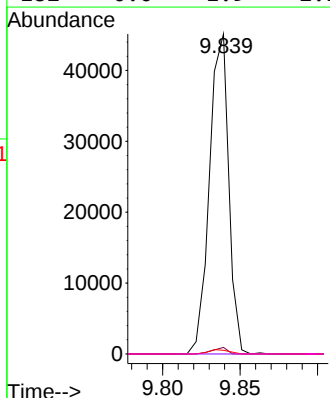
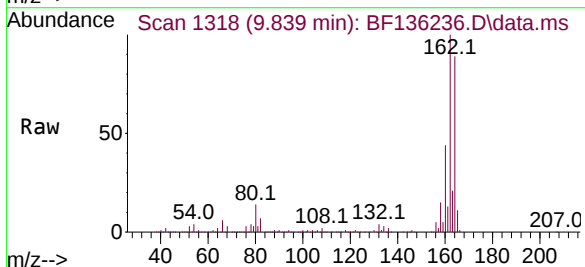
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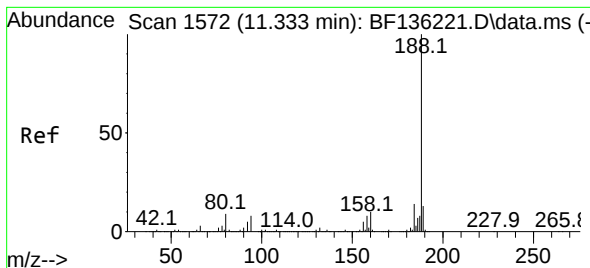
Tgt Ion:165 Resp: 39028
Ion Ratio Lower Upper
165 100
63 2.0 46.2 69.2#
89 1.2 44.9 67.3#



#57
2,4-Dinitrotoluene
Concen: 5.913 ng
RT: 9.839 min Scan# 1318
Delta R.T. -0.200 min
Lab File: BF136236.D
Acq: 27 Nov 2023 22:38

Tgt Ion:165 Resp: 39028
Ion Ratio Lower Upper
165 100
63 2.0 33.0 49.4#
89 1.2 51.5 77.3#
182 0.0 1.9 2.9#





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.327 min Scan# 11

Delta R.T. -0.006 min

Lab File: BF136236.D

Acq: 27 Nov 2023 22:38

Instrument :

BNA_F

ClientSampleId :

72-11930

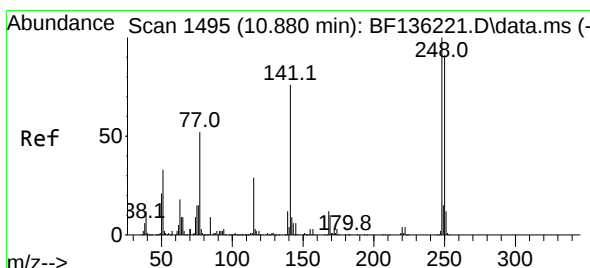
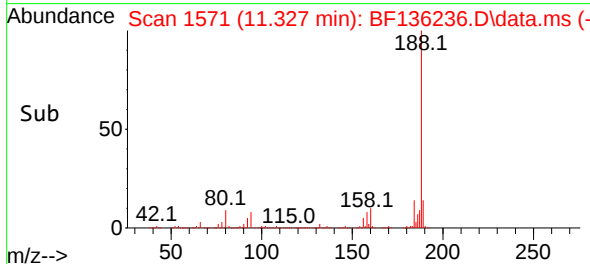
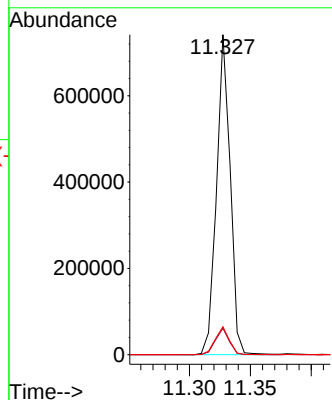
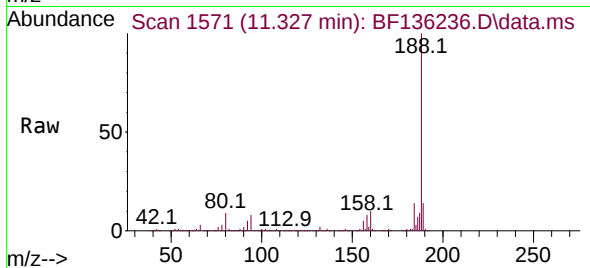
Tgt Ion:188 Resp: 579844

Ion Ratio Lower Upper

188 100

94 8.2 6.7 10.1

80 8.8 7.2 10.8



#67

4-Bromophenyl-phenylether

Concen: 4.256 ng

RT: 10.633 min Scan# 1453

Delta R.T. -0.247 min

Lab File: BF136236.D

Acq: 27 Nov 2023 22:38

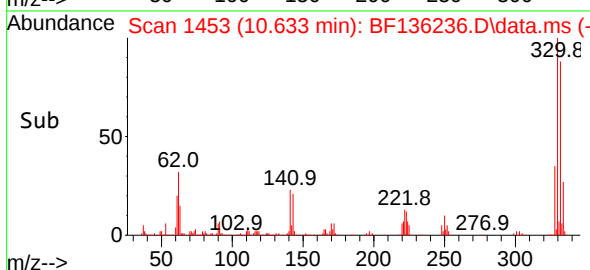
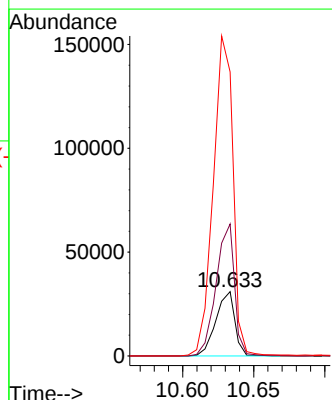
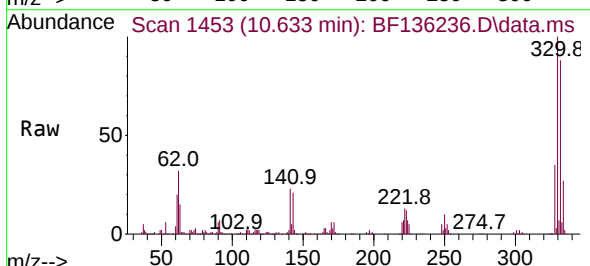
Tgt Ion:248 Resp: 28790

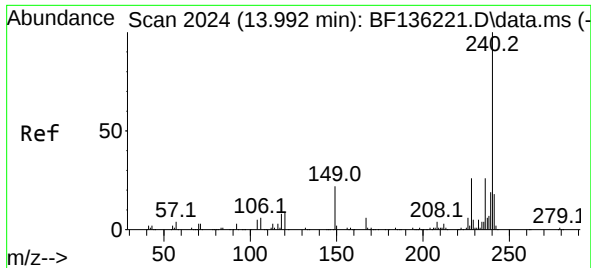
Ion Ratio Lower Upper

248 100

250 205.3 72.5 108.7#

141 441.6 60.8 91.2#

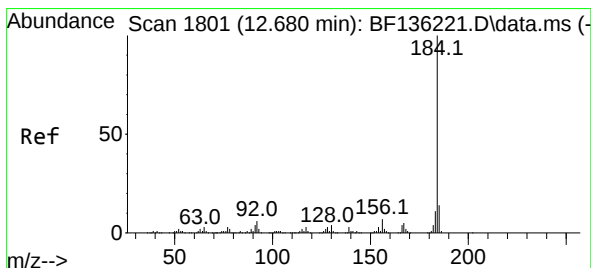
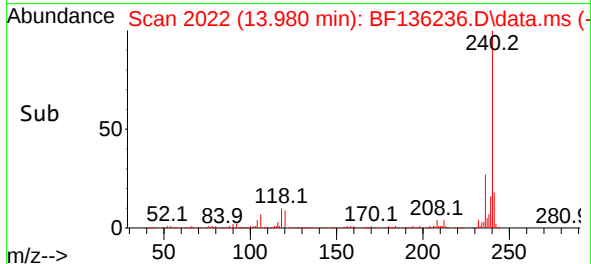
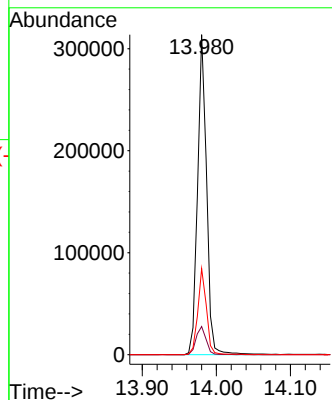
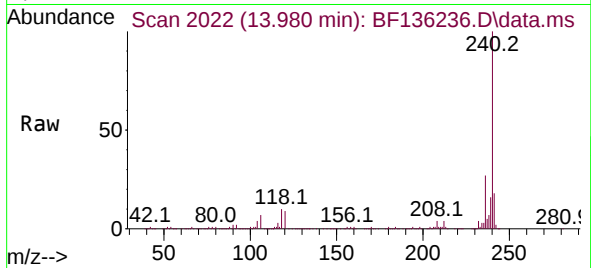




#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.980 min Scan# 20
Delta R.T. -0.012 min
Lab File: BF136236.D
Acq: 27 Nov 2023 22:38

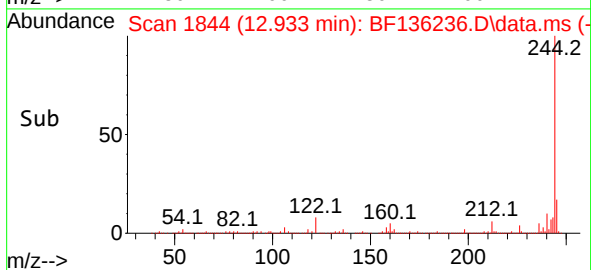
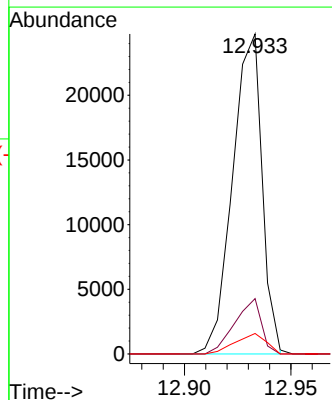
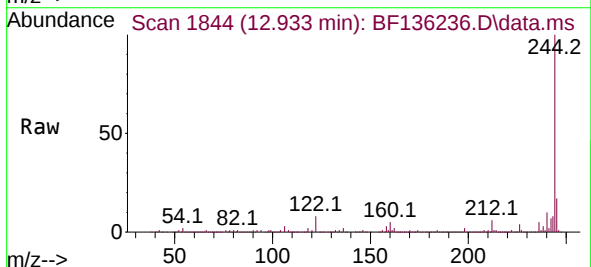
Instrument :
BNA_F
ClientSampleId :
72-11930

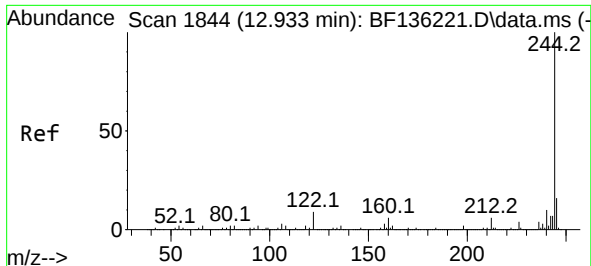
Tgt Ion:240 Resp: 264857
Ion Ratio Lower Upper
240 100
120 8.8 7.4 11.2
236 26.9 21.1 31.7



#77
Benzidine
Concen: 5.482 ng
RT: 12.933 min Scan# 1844
Delta R.T. 0.253 min
Lab File: BF136236.D
Acq: 27 Nov 2023 22:38

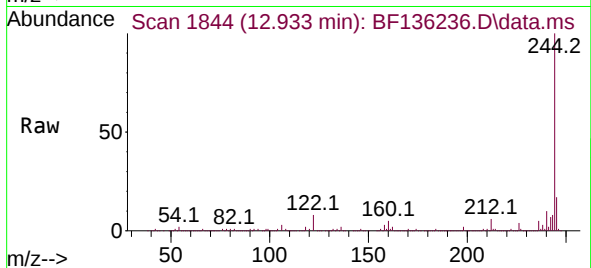
Tgt Ion:184 Resp: 23867
Ion Ratio Lower Upper
184 100
185 17.3 11.0 16.6#
183 6.4 9.0 13.4#



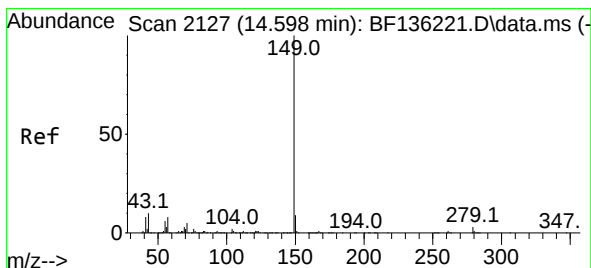
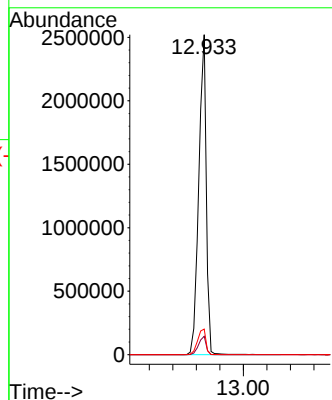
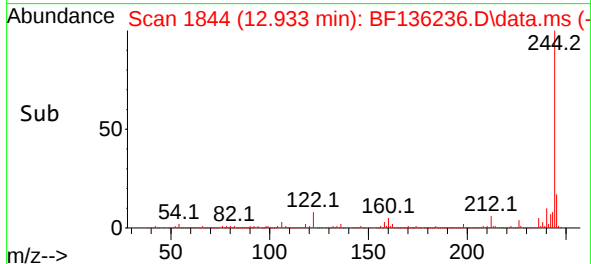


#79
 Terphenyl-d14
 Concen: 96.745 ng
 RT: 12.933 min Scan# 11
 Delta R.T. 0.000 min
 Lab File: BF136236.D
 Acq: 27 Nov 2023 22:38

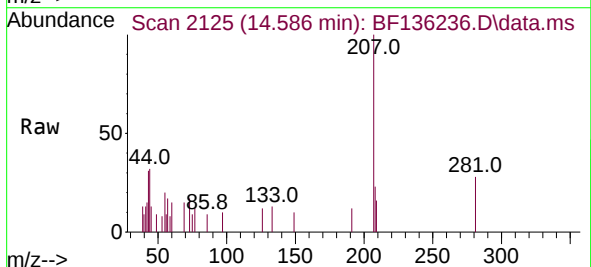
Instrument :
 BNA_F
 ClientSampleId :
 72-11930



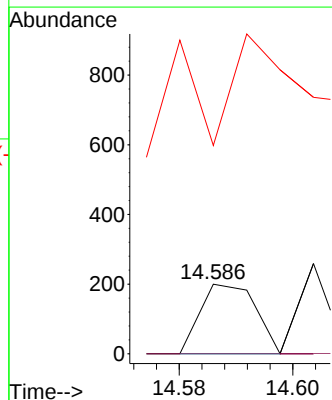
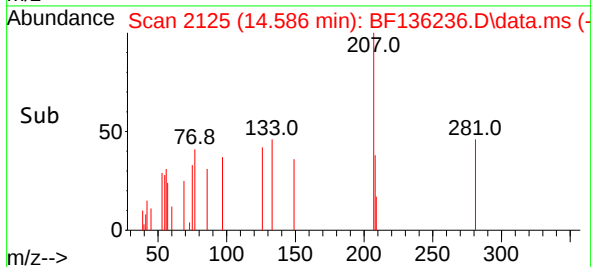
Tgt Ion:244 Resp: 2221407
 Ion Ratio Lower Upper
 244 100
 212 5.8 4.6 7.0
 122 8.0 7.3 10.9

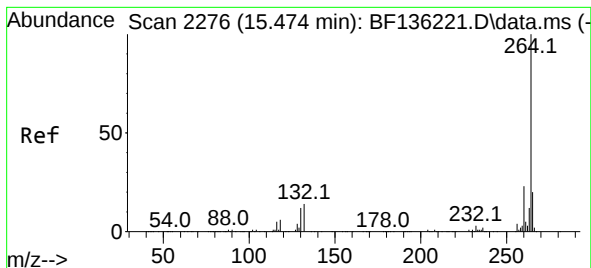


#85
 Di-n-octyl phthalate
 Concen: 5.169 ng
 RT: 14.586 min Scan# 2125
 Delta R.T. -0.012 min
 Lab File: BF136236.D
 Acq: 27 Nov 2023 22:38



Tgt Ion:149 Resp: 135
 Ion Ratio Lower Upper
 149 100
 167 0.0 1.0 1.6#
 43 343.0 7.2 10.8#





#86

Perylene-d12

Concen: 20.000 ng

RT: 15.462 min Scan# 21

Delta R.T. -0.012 min

Lab File: BF136236.D

Acq: 27 Nov 2023 22:38

Instrument :

BNA_F

ClientSampleId :

72-11930

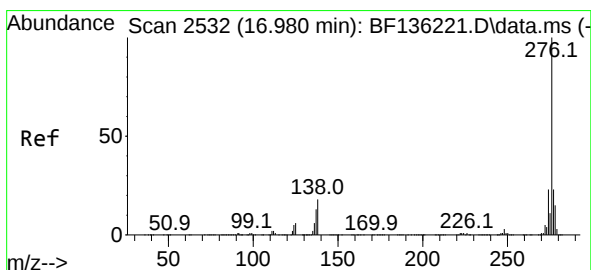
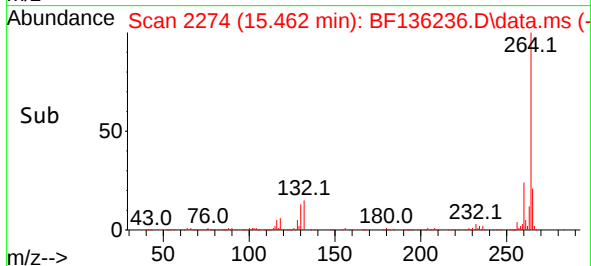
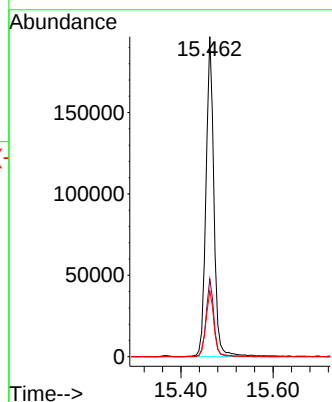
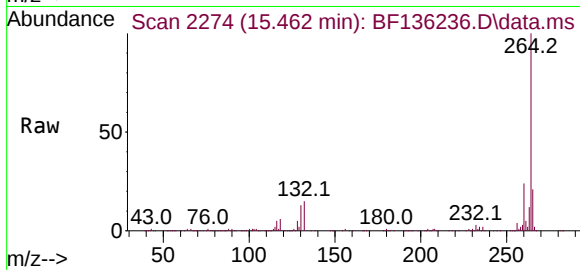
Tgt Ion:264 Resp: 238726

Ion Ratio Lower Upper

264 100

260 24.3 18.6 27.8

265 20.6 15.7 23.5



#87

Indeno(1,2,3-cd)pyrene

Concen: 2.822 ng

RT: 16.933 min Scan# 2524

Delta R.T. -0.047 min

Lab File: BF136236.D

Acq: 27 Nov 2023 22:38

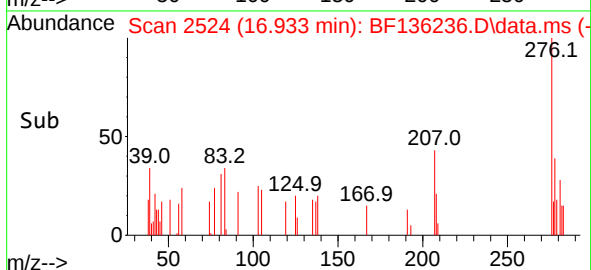
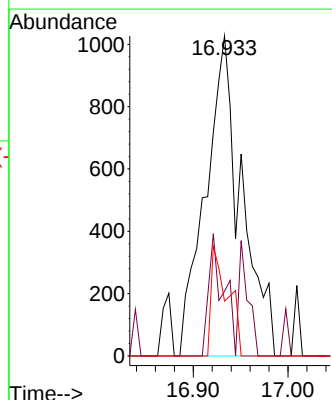
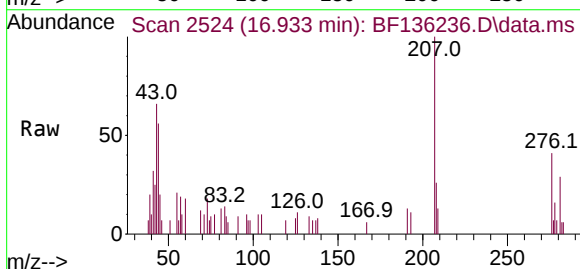
Tgt Ion:276 Resp: 2703

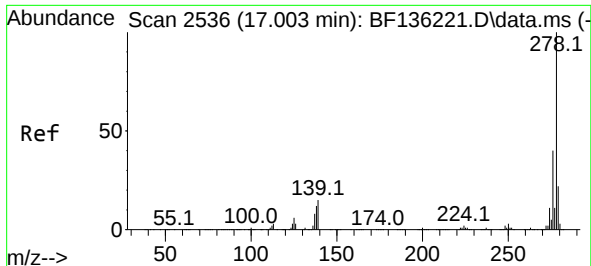
Ion Ratio Lower Upper

276 100

138 15.8 17.7 26.5#

277 15.8 19.6 29.4#

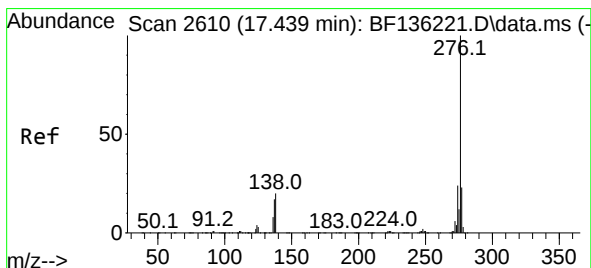
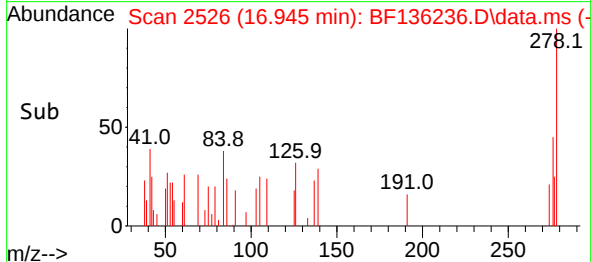
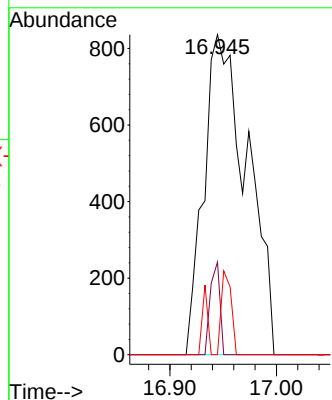
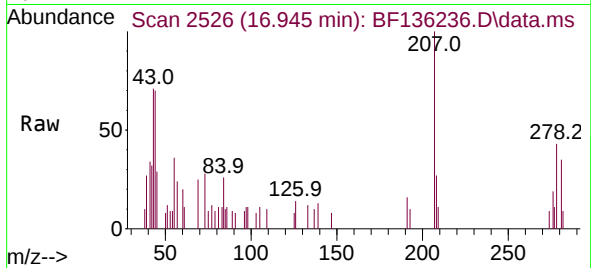




#91
Dibenzo(a,h)anthracene
Concen: 2.869 ng
RT: 16.945 min Scan# 21
Delta R.T. -0.058 min
Lab File: BF136236.D
Acq: 27 Nov 2023 22:38

Instrument :
BNA_F
ClientSampleId :
72-11930

Tgt Ion:278 Resp: 2362
Ion Ratio Lower Upper
278 100
139 28.9 11.7 17.5#
279 0.0 17.8 26.8#



#92
Benzo(g,h,i)perylene
Concen: 2.029 ng
RT: 17.392 min Scan# 2602
Delta R.T. -0.047 min
Lab File: BF136236.D
Acq: 27 Nov 2023 22:38

Tgt Ion:276 Resp: 1919
Ion Ratio Lower Upper
276 100
277 21.9 18.6 27.8
138 21.9 15.8 23.8

