

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF112823\
 Data File : BF136255.D
 Acq On : 28 Nov 2023 18:25
 Operator : CG\JU
 Sample : 05468-05
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TP-10

Quant Time: Nov 29 00:47:56 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)

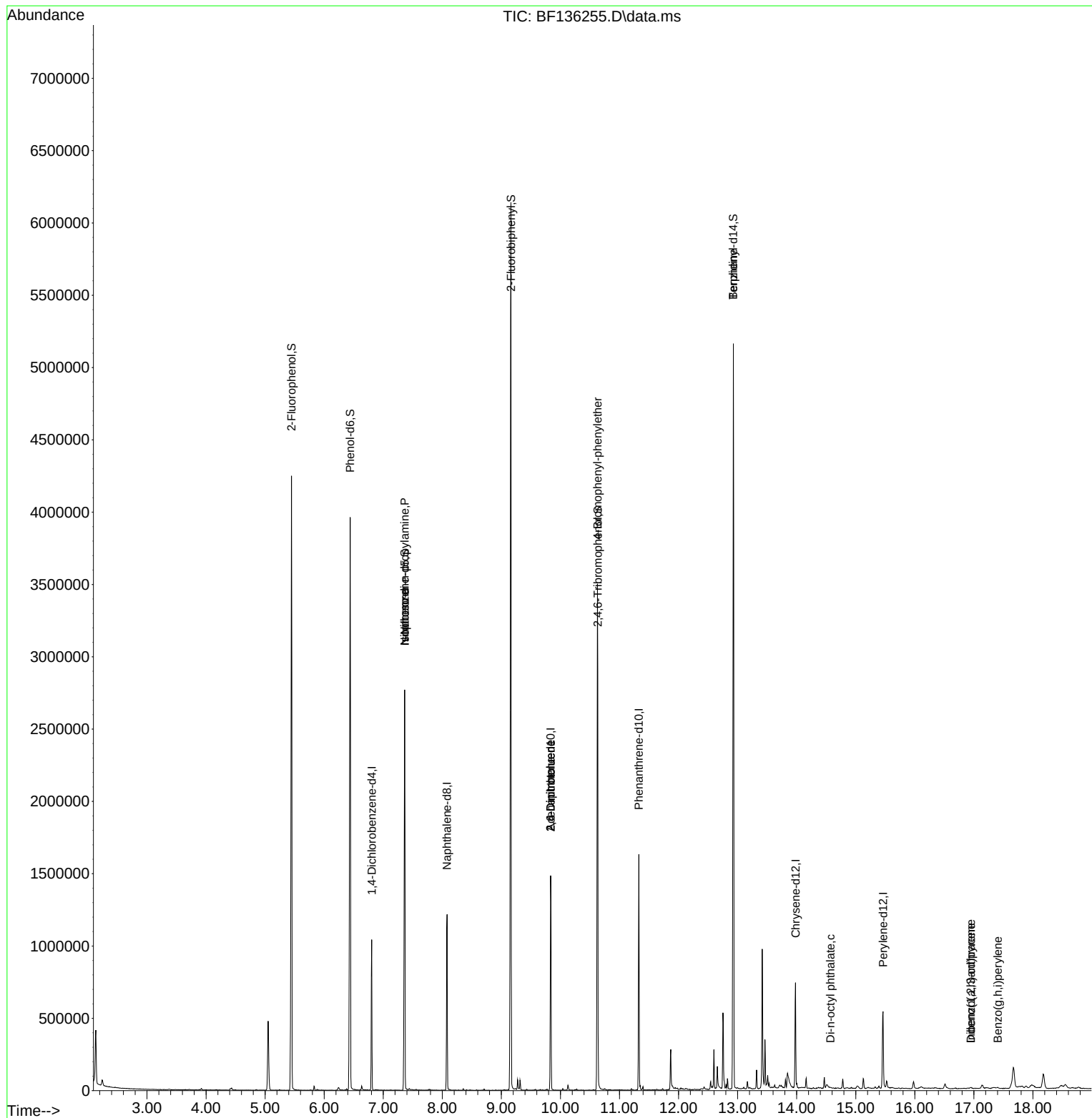
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.804	152	137780	20.000	ng	0.00
21) Naphthalene-d8	8.080	136	571677	20.000	ng	0.00
39) Acenaphthene-d10	9.833	164	297968	20.000	ng	-0.01
64) Phenanthrene-d10	11.327	188	546795	20.000	ng	0.00
76) Chrysene-d12	13.980	240	236370	20.000	ng	-0.01
86) Perylene-d12	15.462	264	259724	20.000	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.445	112	1240498	125.315	ng	0.00
7) Phenol-d6	6.439	99	1585750	128.116	ng	0.00
23) Nitrobenzene-d5	7.363	82	976636	90.276	ng	-0.01
42) 2,4,6-Tribromophenol	10.633	330	500458	137.379	ng	0.00
45) 2-Fluorobiphenyl	9.163	172	2027571	86.916	ng	0.00
79) Terphenyl-d14	12.927	244	1985428	96.889	ng	0.00
Target Compounds						
						Qvalue
19) n-Nitroso-di-n-propyla...	7.363	70	128526	17.362	ng	# 78
25) Isophorone	7.363	82	973836	49.922	ng	# 68
51) 2,6-Dinitrotoluene	9.833	165	35907	7.804	ng	# 24
57) 2,4-Dinitrotoluene	9.833	165	35907	5.843	ng	# 27
67) 4-Bromophenyl-phenylether	10.627	248	28976	4.542	ng	# 1
77) Benzidine	12.927	184	21701	5.585	ng	# 89
85) Di-n-octyl phthalate	14.574	149	285	5.179	ng	# 1
87) Indeno(1,2,3-cd)pyrene	16.951	276	7358	3.037	ng	# 87
91) Dibenzo(a,h)anthracene	16.951	278	3885	2.949	ng	# 91
92) Benzo(g,h,i)perylene	17.403	276	5799	2.257	ng	# 88

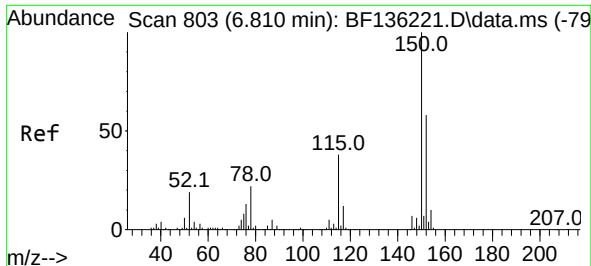
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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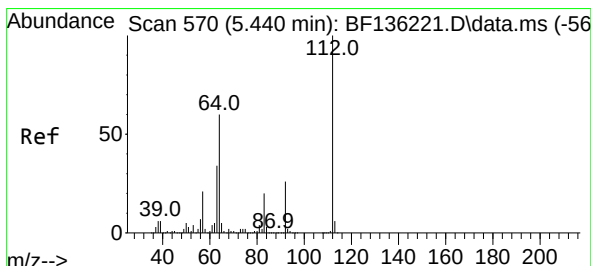
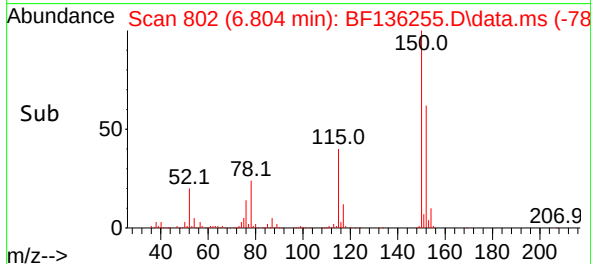
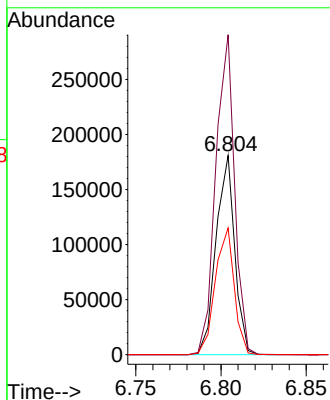
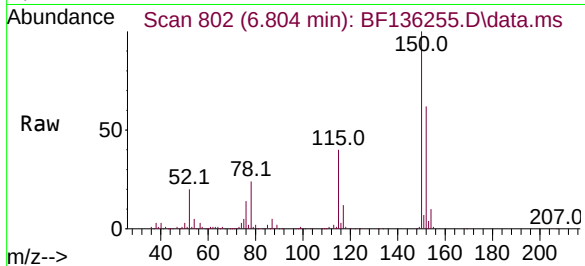




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.804 min Scan# 803
Delta R.T. -0.006 min
Lab File: BF136255.D
Acq: 28 Nov 2023 18:25

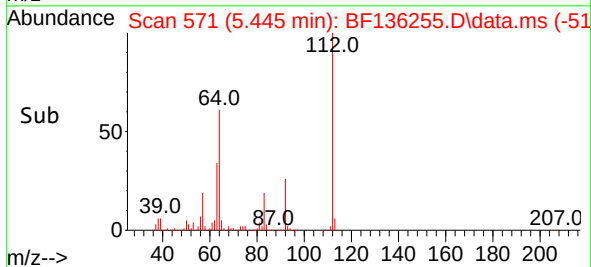
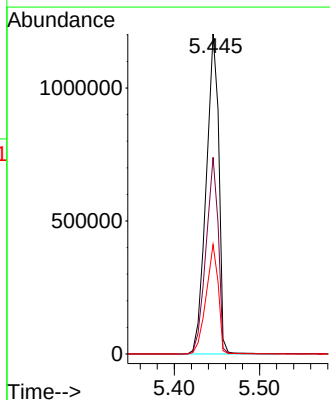
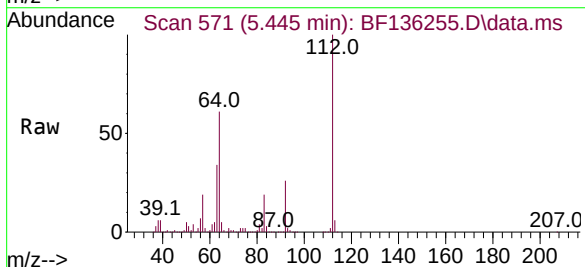
Instrument :
BNA_F
ClientSampleId :
TP-10

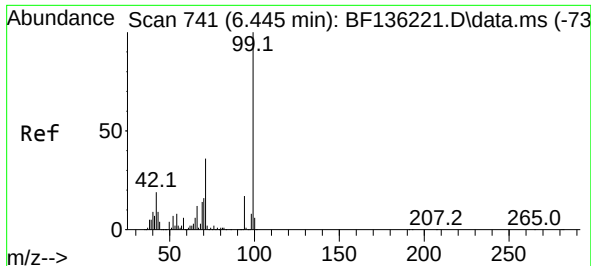
Tgt Ion:152 Resp: 137780
Ion Ratio Lower Upper
152 100
150 160.6 137.8 206.8
115 63.6 52.7 79.1



#5
2-Fluorophenol
Concen: 125.315 ng
RT: 5.445 min Scan# 571
Delta R.T. 0.006 min
Lab File: BF136255.D
Acq: 28 Nov 2023 18:25

Tgt Ion:112 Resp: 1240498
Ion Ratio Lower Upper
112 100
64 61.5 48.2 72.4
63 34.2 27.0 40.6

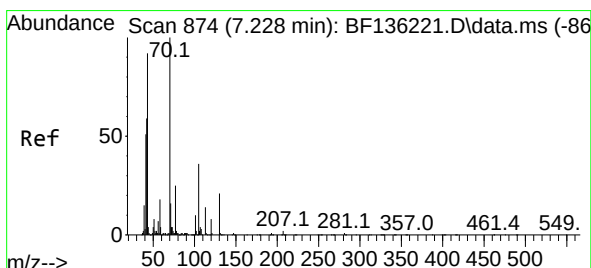
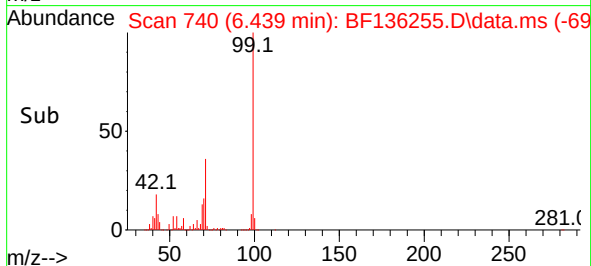
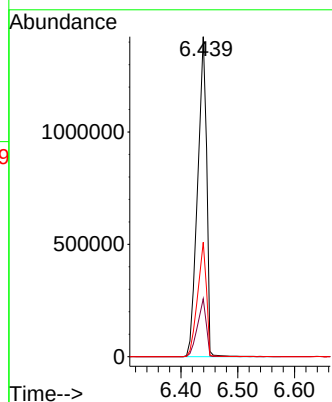
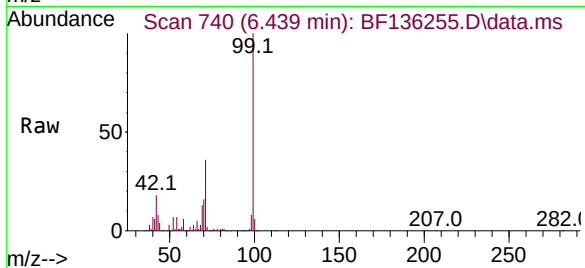




#7
Phenol-d6
Concen: 128.116 ng
RT: 6.439 min Scan# 741
Delta R.T. -0.006 min
Lab File: BF136255.D
Acq: 28 Nov 2023 18:25

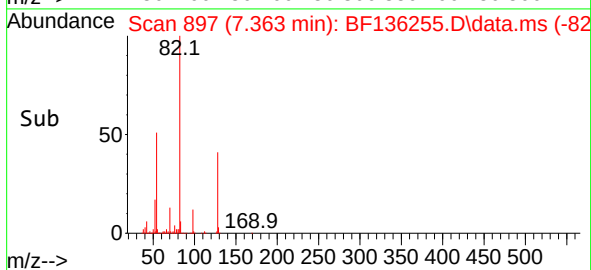
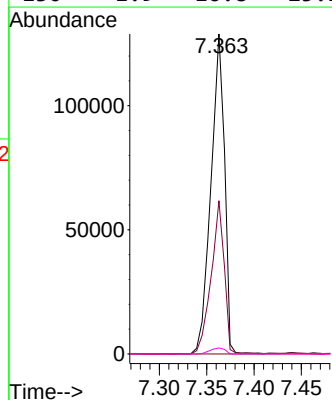
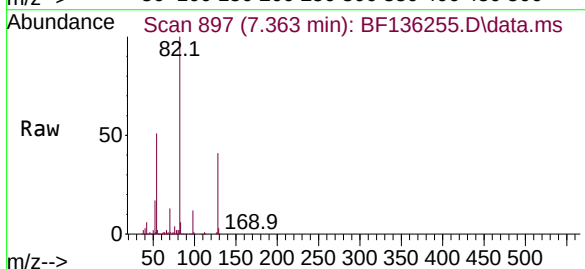
Instrument :
BNA_F
ClientSampleId :
TP-10

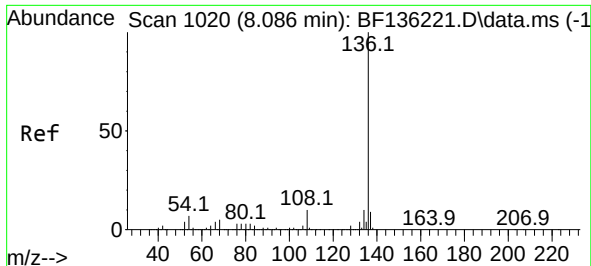
Tgt Ion: 99 Resp: 1585750
Ion Ratio Lower Upper
99 100
42 18.1 15.0 22.6
71 35.7 28.9 43.3



#19
n-Nitroso-di-n-propylamine
Concen: 17.362 ng
RT: 7.363 min Scan# 897
Delta R.T. 0.135 min
Lab File: BF136255.D
Acq: 28 Nov 2023 18:25

Tgt Ion: 70 Resp: 128526
Ion Ratio Lower Upper
70 100
42 47.9 47.0 70.4
101 0.0 7.8 11.8#
130 1.9 16.8 25.2#

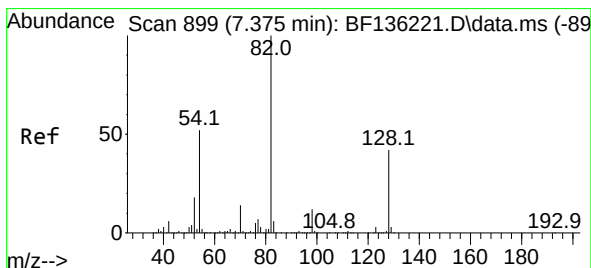
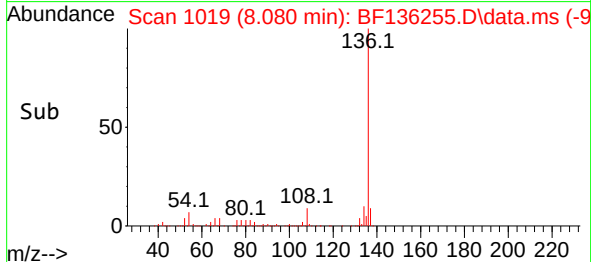
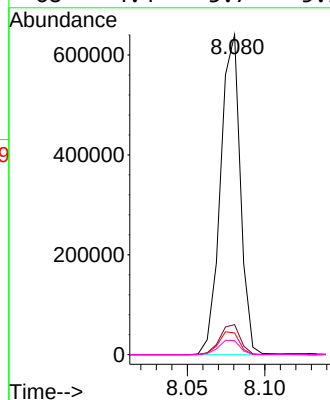
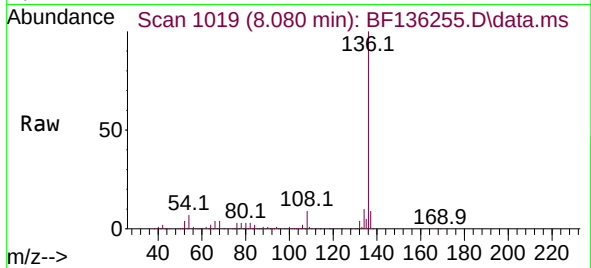




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.080 min Scan# 1020
Delta R.T. -0.006 min
Lab File: BF136255.D
Acq: 28 Nov 2023 18:25

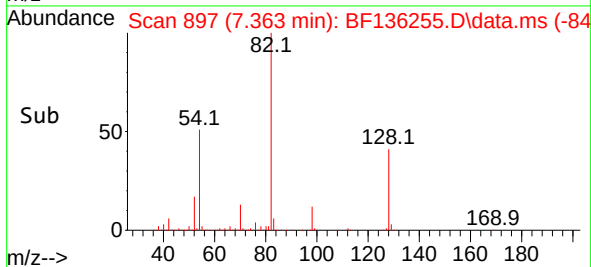
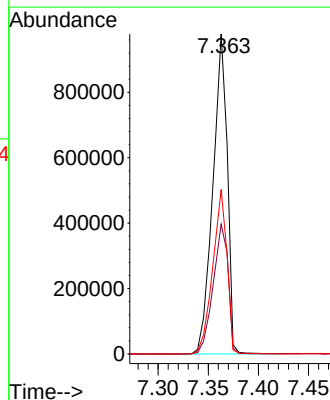
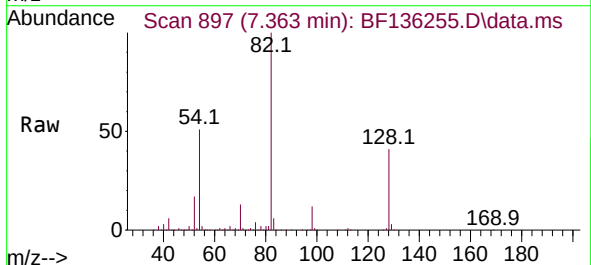
Instrument :
BNA_F
ClientSampleId :
TP-10

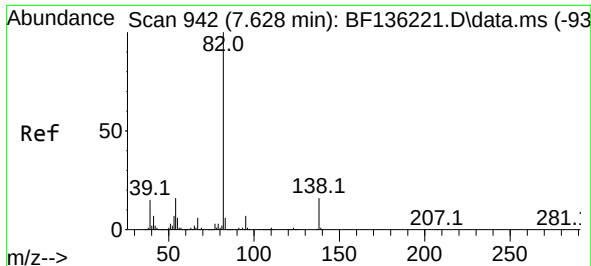
Tgt Ion:136 Resp: 571677
Ion Ratio Lower Upper
136 100
137 9.4 7.4 11.2
54 6.8 5.5 8.3
68 4.4 3.7 5.5



#23
Nitrobenzene-d5
Concen: 90.276 ng
RT: 7.363 min Scan# 897
Delta R.T. -0.012 min
Lab File: BF136255.D
Acq: 28 Nov 2023 18:25

Tgt Ion: 82 Resp: 976636
Ion Ratio Lower Upper
82 100
128 40.6 33.4 50.2
54 51.4 41.7 62.5

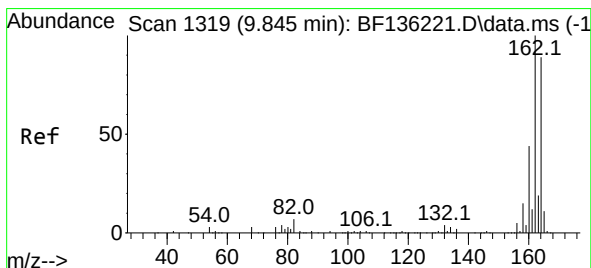
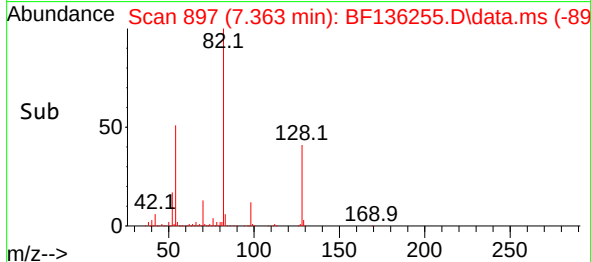
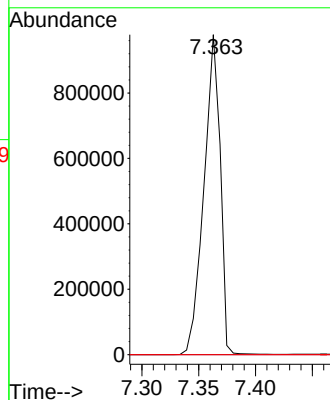
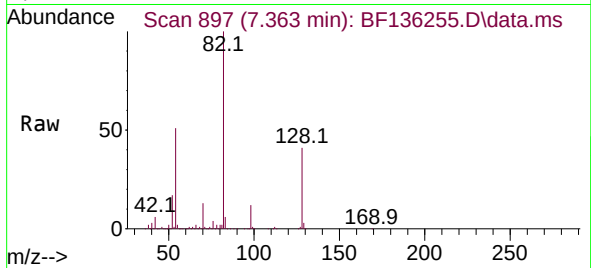




#25
Isophorone
Concen: 49.922 ng
RT: 7.363 min Scan# 89
Delta R.T. -0.265 min
Lab File: BF136255.D
Acq: 28 Nov 2023 18:25

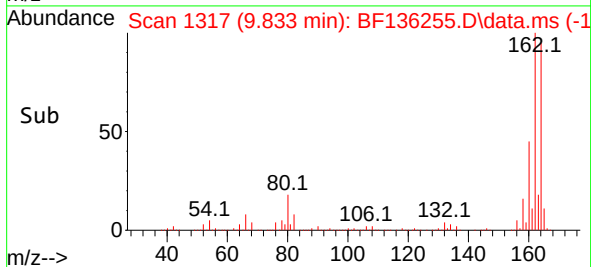
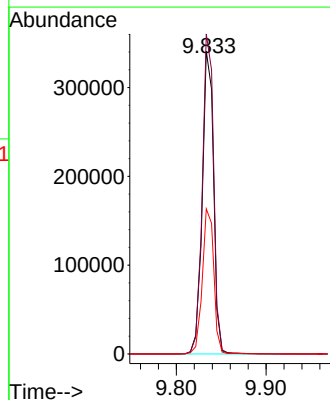
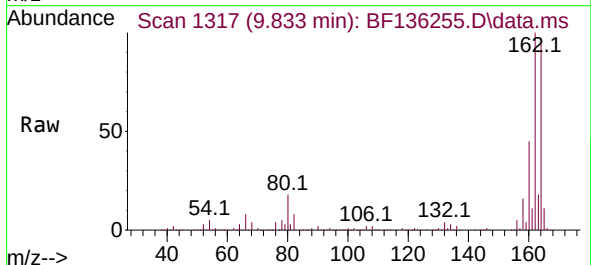
Instrument :
BNA_F
ClientSampleId :
TP-10

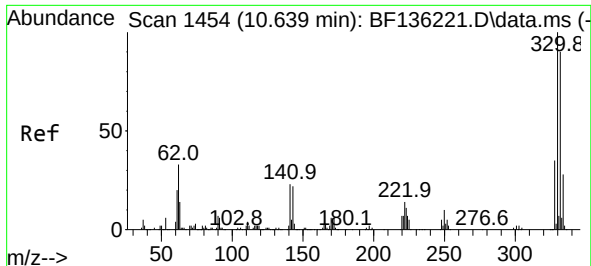
Tgt Ion: 82 Resp: 973836
Ion Ratio Lower Upper
82 100
95 0.0 5.5 8.3#
138 0.0 12.8 19.2#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.833 min Scan# 1317
Delta R.T. -0.012 min
Lab File: BF136255.D
Acq: 28 Nov 2023 18:25

Tgt Ion:164 Resp: 297968
Ion Ratio Lower Upper
164 100
162 105.6 89.5 134.3
160 47.9 39.6 59.4

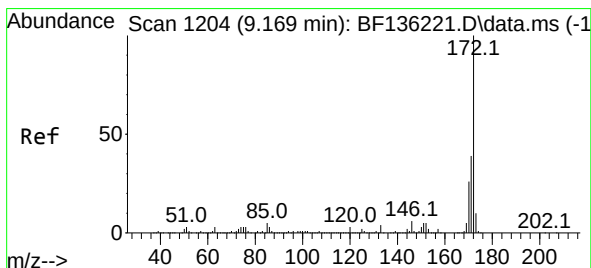
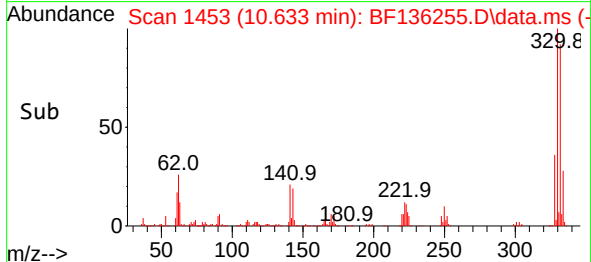
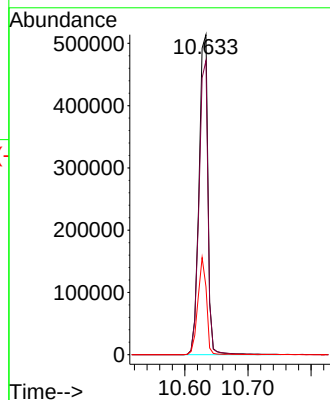
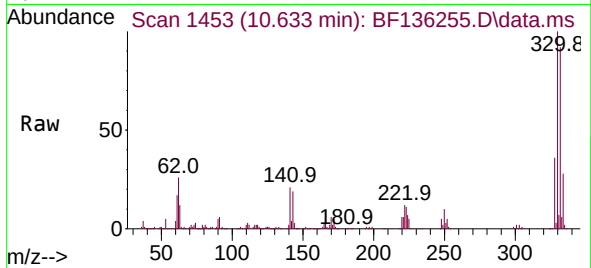




#42
2,4,6-Tribromophenol
Concen: 137.379 ng
RT: 10.633 min Scan# 1454
Delta R.T. -0.006 min
Lab File: BF136255.D
Acq: 28 Nov 2023 18:25

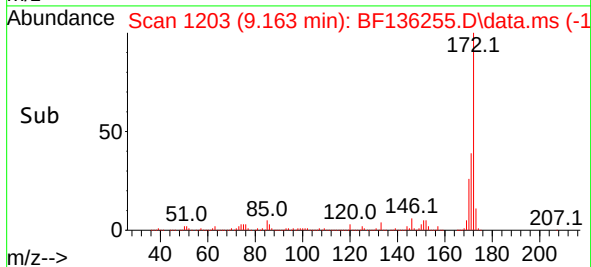
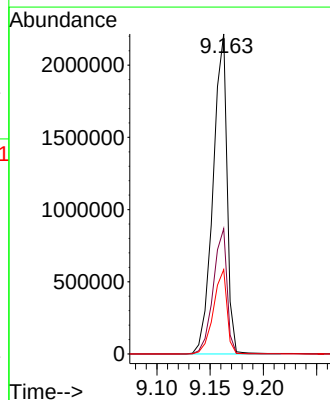
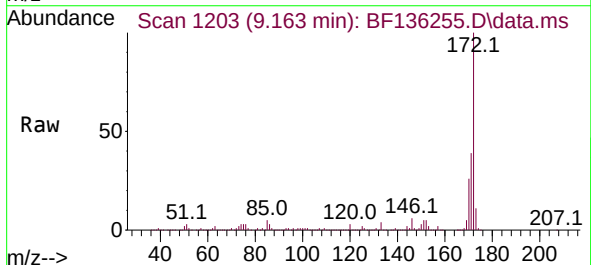
Instrument :
BNA_F
ClientSampleId :
TP-10

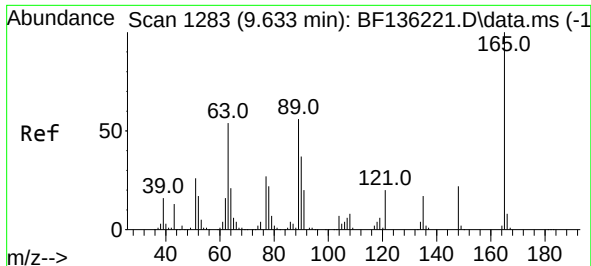
Tgt Ion:330 Resp: 500458
Ion Ratio Lower Upper
330 100
332 92.6 73.0 109.6
141 29.4 24.2 36.2



#45
2-Fluorobiphenyl
Concen: 86.916 ng
RT: 9.163 min Scan# 1203
Delta R.T. -0.006 min
Lab File: BF136255.D
Acq: 28 Nov 2023 18:25

Tgt Ion:172 Resp: 2027571
Ion Ratio Lower Upper
172 100
171 39.1 31.5 47.3
170 26.3 20.8 31.2





#51

2,6-Dinitrotoluene

Concen: 7.804 ng

RT: 9.833 min Scan# 1

Delta R.T. 0.200 min

Lab File: BF136255.D

Acq: 28 Nov 2023 18:25

Instrument :

BNA_F

ClientSampleId :

TP-10

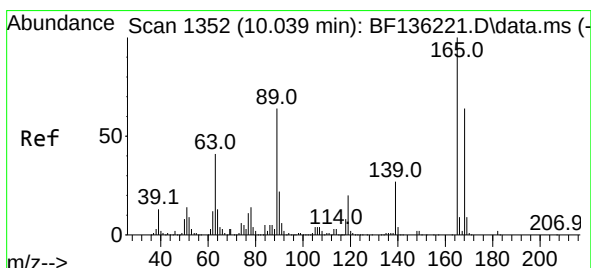
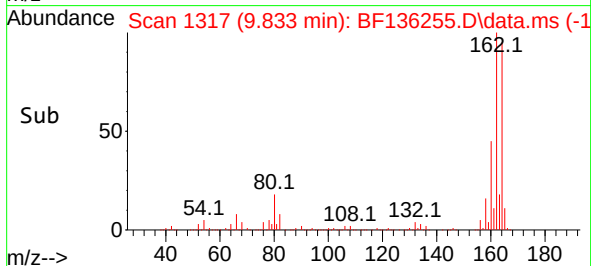
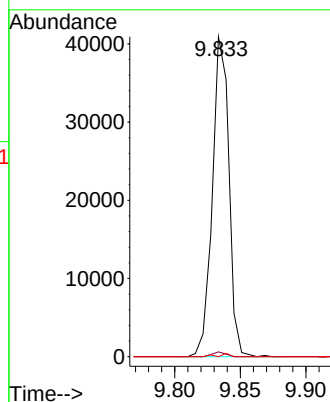
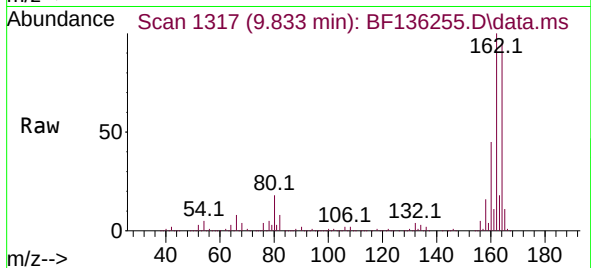
Tgt Ion:165 Resp: 35907

Ion Ratio Lower Upper

165 100

63 1.5 46.2 69.2#

89 0.0 44.9 67.3#



#57

2,4-Dinitrotoluene

Concen: 5.843 ng

RT: 9.833 min Scan# 1317

Delta R.T. -0.206 min

Lab File: BF136255.D

Acq: 28 Nov 2023 18:25

Tgt Ion:165 Resp: 35907

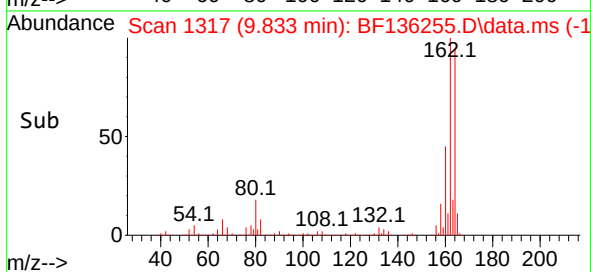
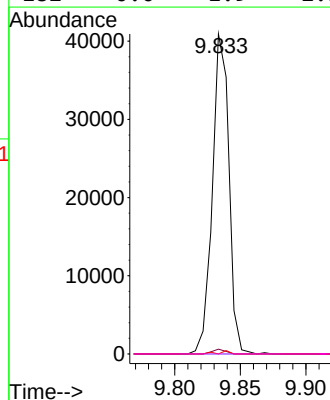
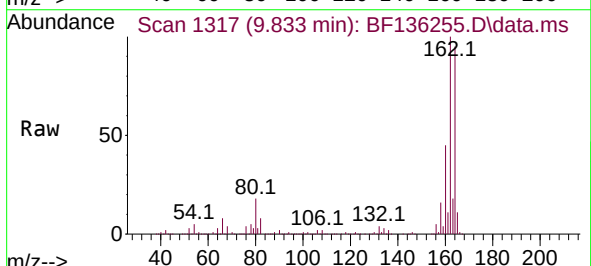
Ion Ratio Lower Upper

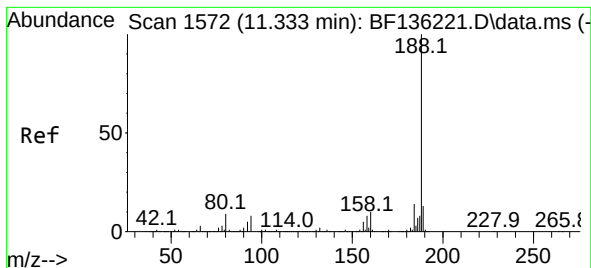
165 100

63 1.5 33.0 49.4#

89 0.0 51.5 77.3#

182 0.0 1.9 2.9#





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.327 min Scan# 1

Delta R.T. -0.006 min

Lab File: BF136255.D

Acq: 28 Nov 2023 18:25

Instrument :

BNA_F

ClientSampleId :

TP-10

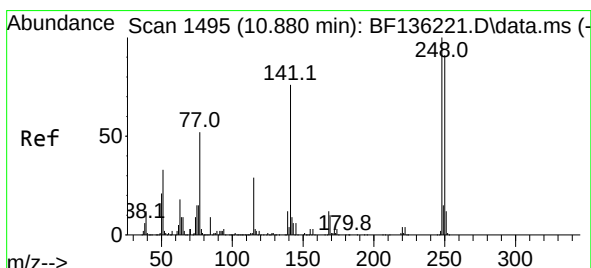
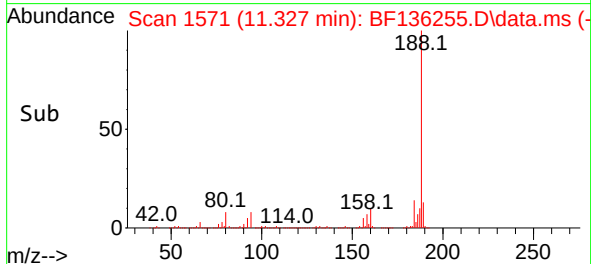
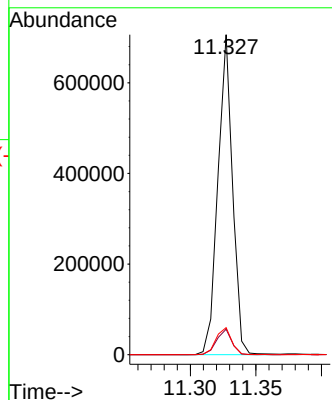
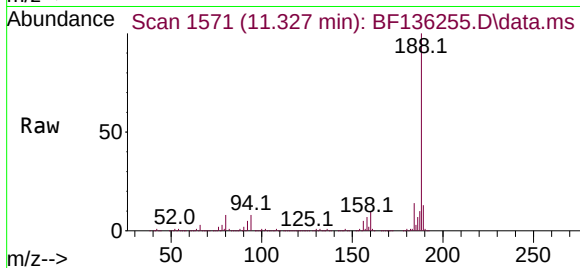
Tgt Ion:188 Resp: 546795

Ion Ratio Lower Upper

188 100

94 7.9 6.7 10.1

80 8.4 7.2 10.8



#67

4-Bromophenyl-phenylether

Concen: 4.542 ng

RT: 10.627 min Scan# 1452

Delta R.T. -0.253 min

Lab File: BF136255.D

Acq: 28 Nov 2023 18:25

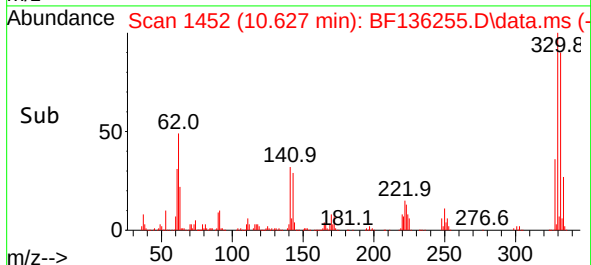
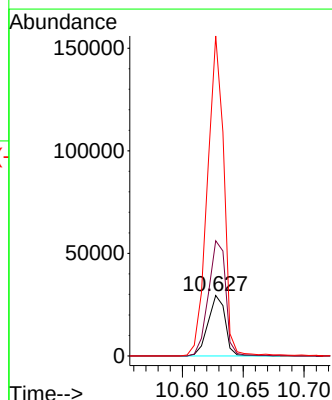
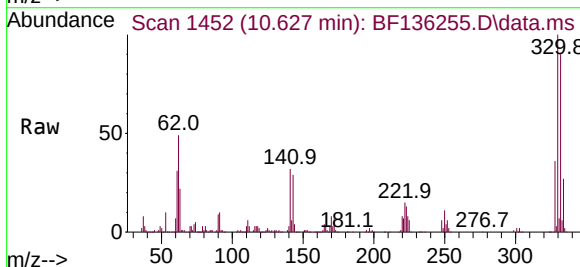
Tgt Ion:248 Resp: 28976

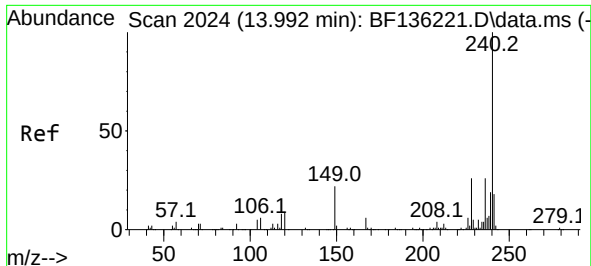
Ion Ratio Lower Upper

248 100

250 190.4 72.5 108.7#

141 528.9 60.8 91.2#

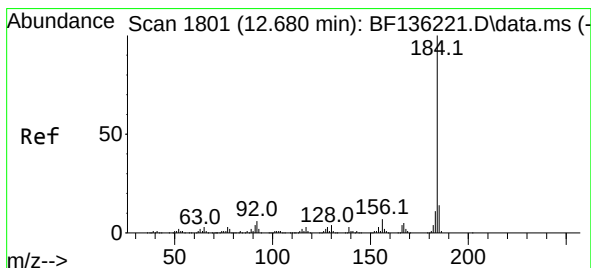
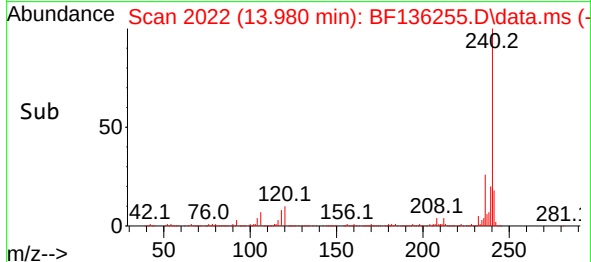
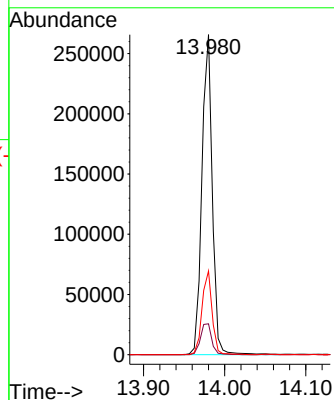
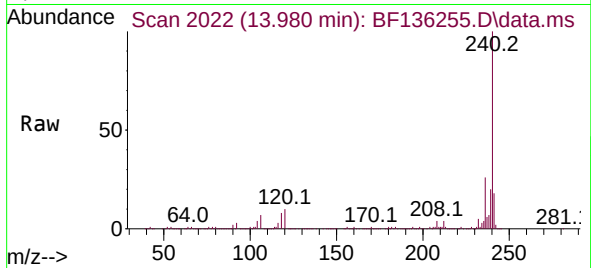




#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.980 min Scan# 20
Delta R.T. -0.012 min
Lab File: BF136255.D
Acq: 28 Nov 2023 18:25

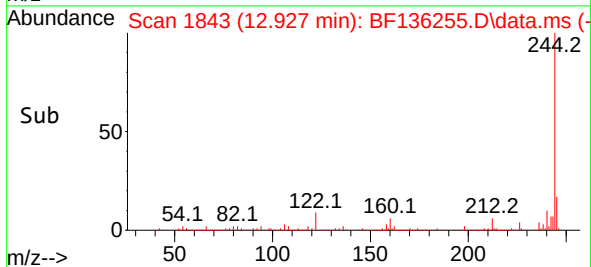
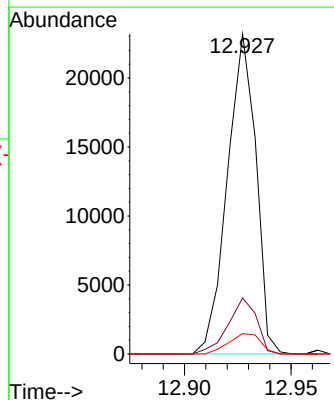
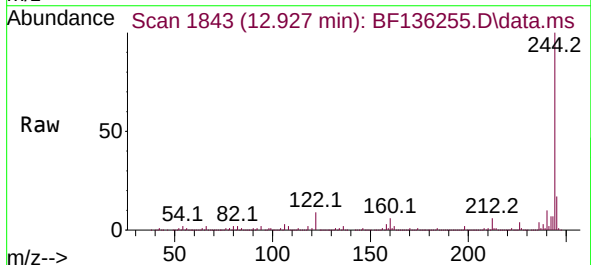
Instrument :
BNA_F
ClientSampleId :
TP-10

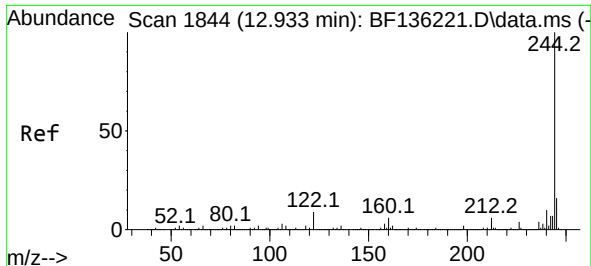
Tgt Ion:240 Resp: 236370
Ion Ratio Lower Upper
240 100
120 9.6 7.4 11.2
236 26.1 21.1 31.7



#77
Benzidine
Concen: 5.585 ng
RT: 12.927 min Scan# 1843
Delta R.T. 0.247 min
Lab File: BF136255.D
Acq: 28 Nov 2023 18:25

Tgt Ion:184 Resp: 21701
Ion Ratio Lower Upper
184 100
185 17.5 11.0 16.6#
183 6.3 9.0 13.4#

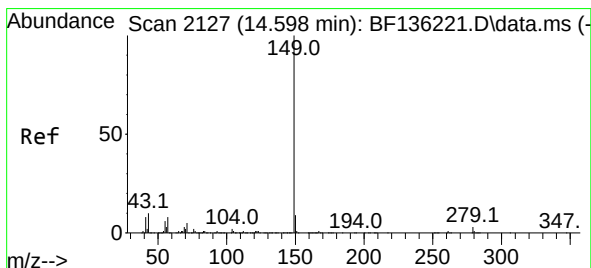
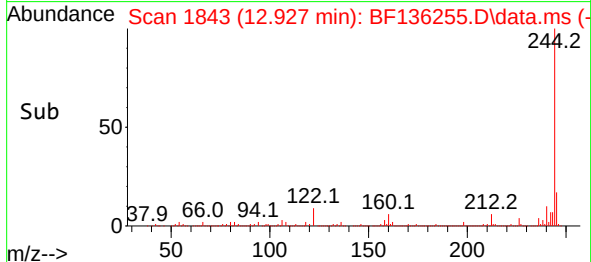
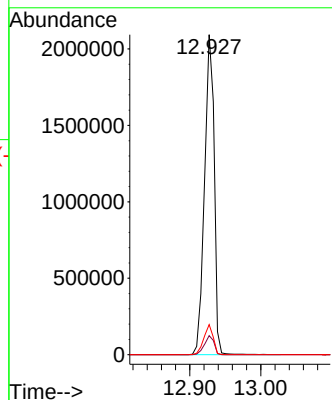
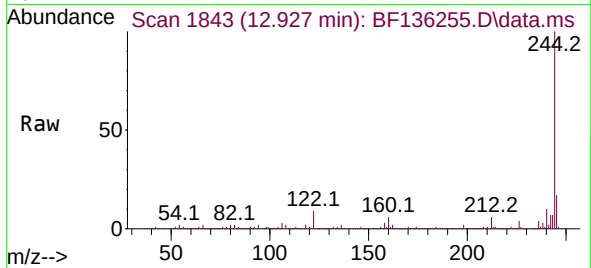




#79
 Terphenyl-d14
 Concen: 96.889 ng
 RT: 12.927 min Scan# 1843
 Delta R.T. -0.006 min
 Lab File: BF136255.D
 Acq: 28 Nov 2023 18:25

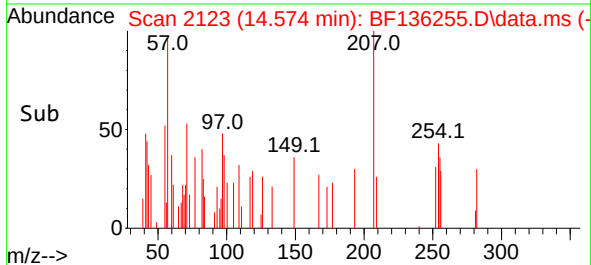
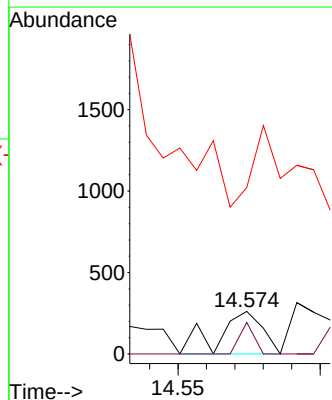
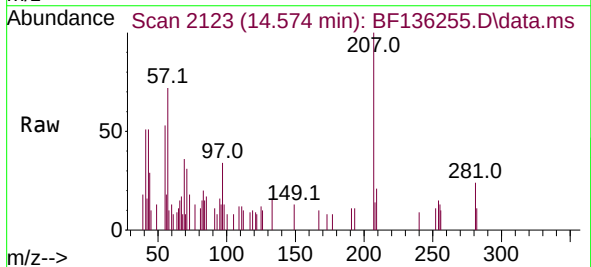
Instrument :
 BNA_F
 ClientSampleId :
 TP-10

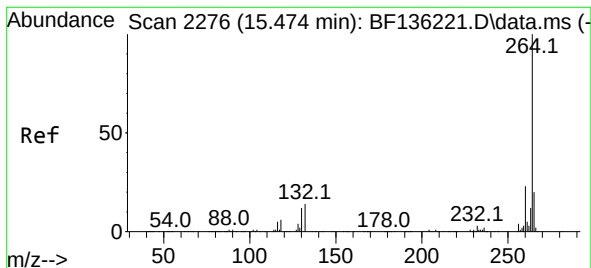
Tgt Ion:244 Resp: 1985428
 Ion Ratio Lower Upper
 244 100
 212 6.0 4.6 7.0
 122 9.4 7.3 10.9



#85
 Di-n-octyl phthalate
 Concen: 5.179 ng
 RT: 14.574 min Scan# 2123
 Delta R.T. -0.024 min
 Lab File: BF136255.D
 Acq: 28 Nov 2023 18:25

Tgt Ion:149 Resp: 285
 Ion Ratio Lower Upper
 149 100
 167 23.9 1.0 1.6#
 43 300.7 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: BF136255.D

Acq: 28 Nov 2023 18:25

Instrument :

BNA_F

ClientSampleId :

TP-10

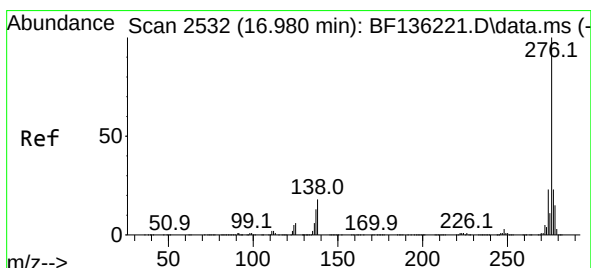
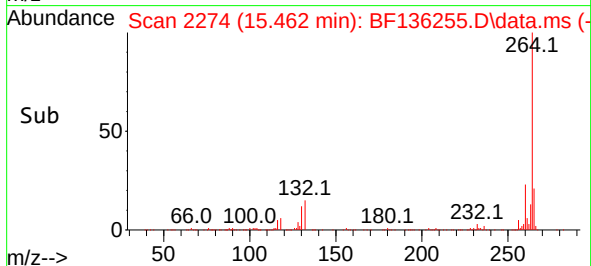
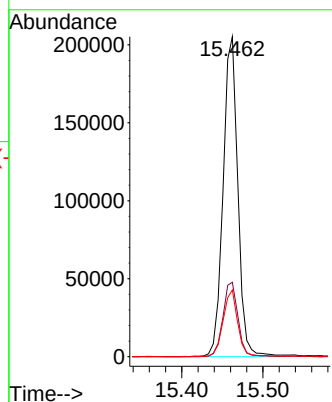
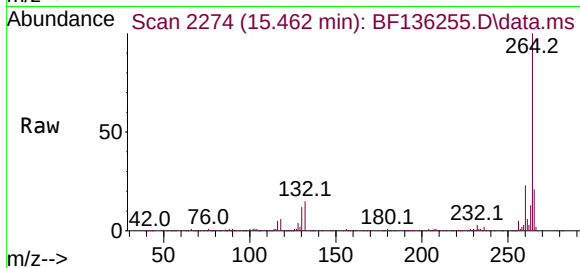
Tgt Ion:264 Resp: 259724

Ion Ratio Lower Upper

264 100

260 23.2 18.6 27.8

265 20.9 15.7 23.5



#87

Indeno(1,2,3-cd)pyrene

Concen: 3.037 ng

RT: 16.951 min Scan# 2527

Delta R.T. -0.029 min

Lab File: BF136255.D

Acq: 28 Nov 2023 18:25

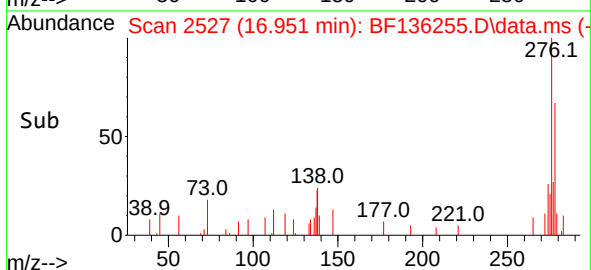
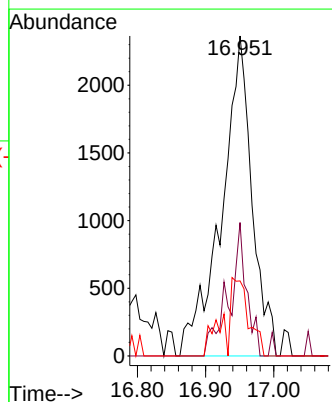
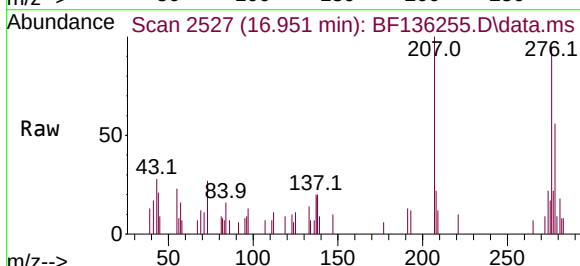
Tgt Ion:276 Resp: 7358

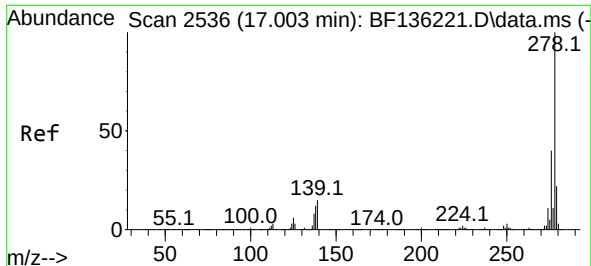
Ion Ratio Lower Upper

276 100

138 24.2 17.7 26.5

277 14.2 19.6 29.4#

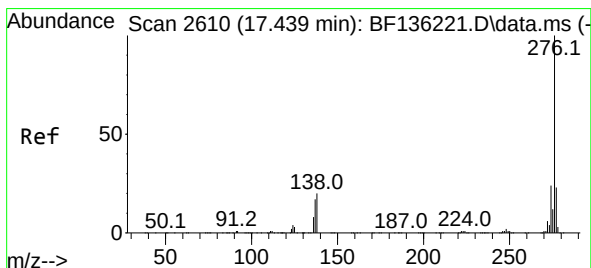
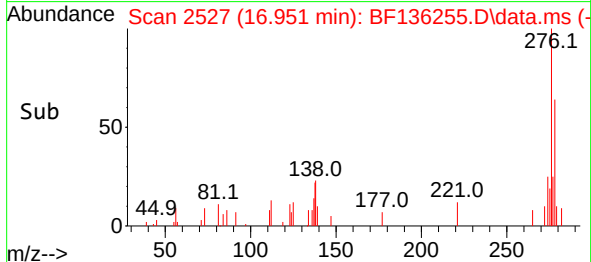
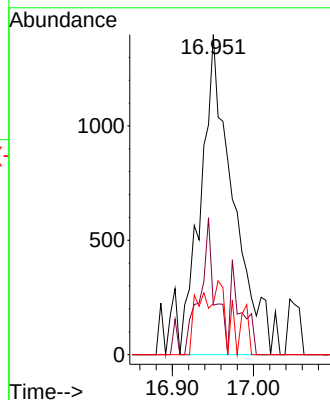
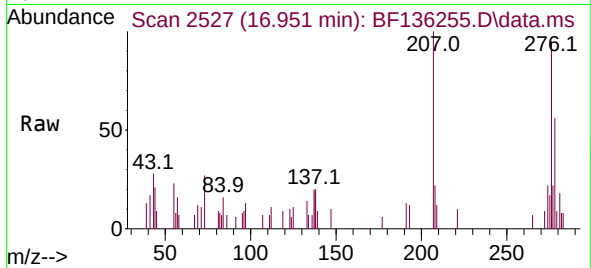




#91
Dibenzo(a,h)anthracene
Concen: 2.949 ng
RT: 16.951 min Scan# 21
Delta R.T. -0.052 min
Lab File: BF136255.D
Acq: 28 Nov 2023 18:25

Instrument :
BNA_F
ClientSampleId :
TP-10

Tgt Ion:278 Resp: 3885
Ion Ratio Lower Upper
278 100
139 15.5 11.7 17.5
279 16.0 17.8 26.8#



#92
Benzo(g,h,i)perylene
Concen: 2.257 ng
RT: 17.403 min Scan# 2604
Delta R.T. -0.036 min
Lab File: BF136255.D
Acq: 28 Nov 2023 18:25

Tgt Ion:276 Resp: 5799
Ion Ratio Lower Upper
276 100
277 28.9 18.6 27.8#
138 25.3 15.8 23.8#

