

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF112723\
 Data File : BF136234.D
 Acq On : 27 Nov 2023 21:34
 Operator : CG\JU
 Sample : 05492-04
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TP-13

Quant Time: Nov 28 04:12:42 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)

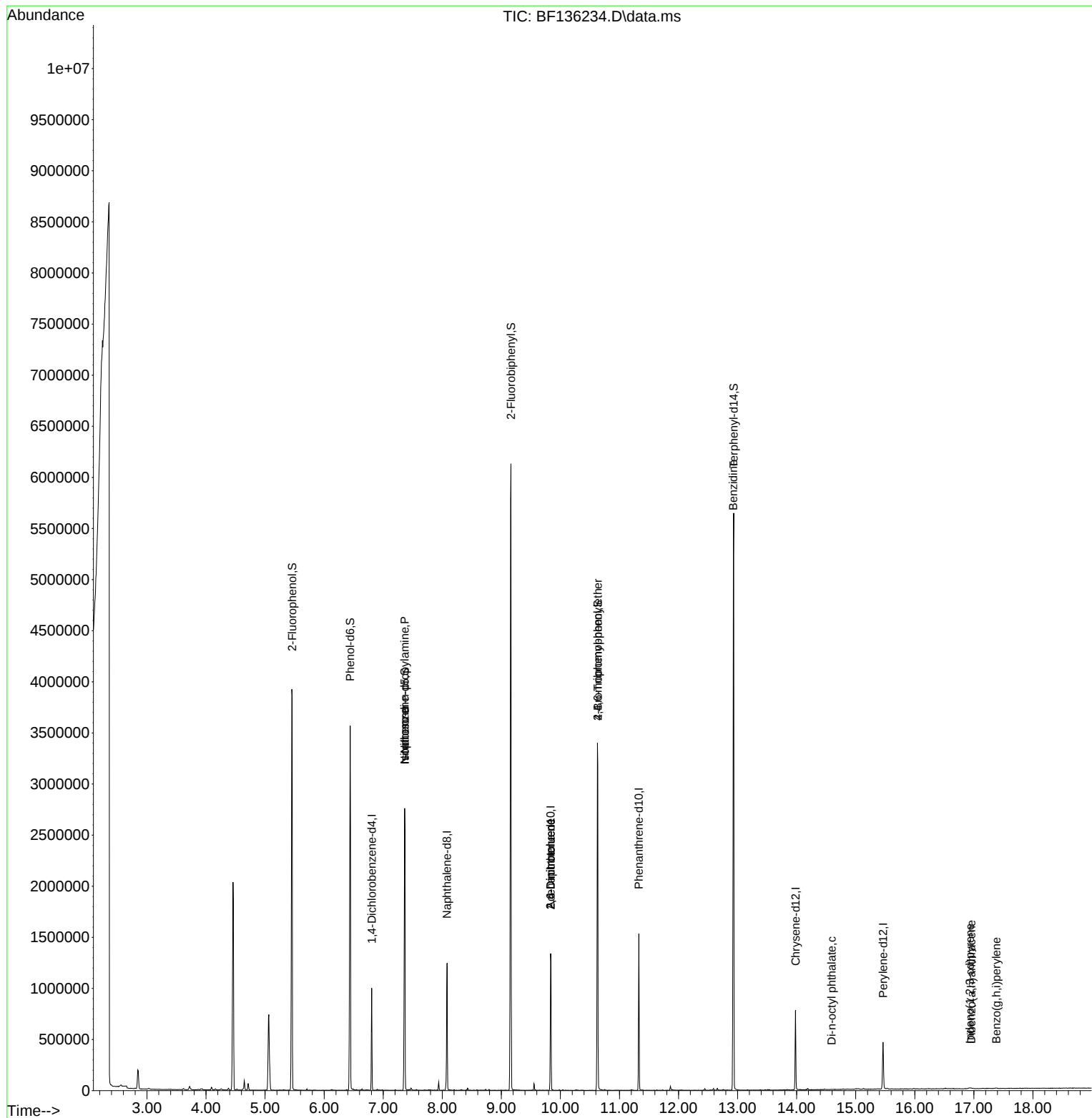
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.804	152	123992	20.000	ng	0.00
21) Naphthalene-d8	8.081	136	534241	20.000	ng	0.00
39) Acenaphthene-d10	9.834	164	272493	20.000	ng	-0.01
64) Phenanthrene-d10	11.328	188	491403	20.000	ng	0.00
76) Chrysene-d12	13.980	240	238896	20.000	ng	-0.01
86) Perylene-d12	15.463	264	214569	20.000	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.457	112	1207018	135.492	ng	0.02
7) Phenol-d6	6.440	99	1358540	121.965	ng	0.00
23) Nitrobenzene-d5	7.363	82	1016698	100.564	ng	-0.01
42) 2,4,6-Tribromophenol	10.633	330	488886	146.749	ng	0.00
45) 2-Fluorobiphenyl	9.163	172	2098209	98.353	ng	0.00
79) Terphenyl-d14	12.933	244	2185425	105.521	ng	0.00
Target Compounds						
						Qvalue
19) n-Nitroso-di-n-propyla...	7.363	70	135338	20.315	ng	# 74
25) Isophorone	7.363	82	1015884	55.727	ng	# 68
51) 2,6-Dinitrotoluene	9.834	165	33795	8.032	ng	# 24
57) 2,4-Dinitrotoluene	9.834	165	33795	6.013	ng	# 28
67) 4-Bromophenyl-phenylether	10.633	248	27591	4.813	ng	# 1
77) Benzidine	12.927	184	22572	5.748	ng	# 89
85) Di-n-octyl phthalate	14.592	149	669	5.200	ng	# 13
87) Indeno(1,2,3-cd)pyrene	16.933	276	6054	3.036	ng	# 90
91) Dibenzo(a,h)anthracene	16.957	278	6048	3.157	ng	# 91
92) Benzo(g,h,i)perylene	17.380	276	4983	2.271	ng	92

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

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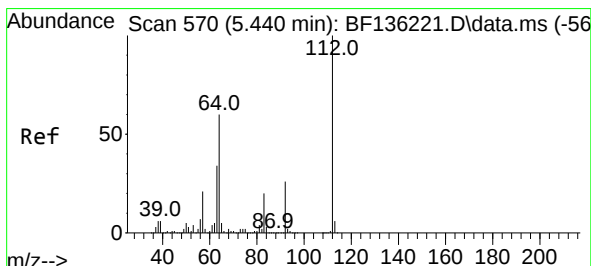
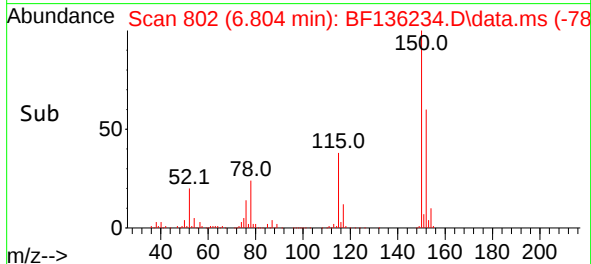
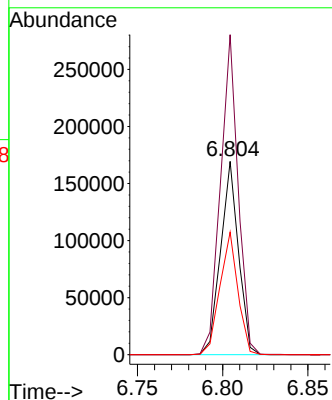
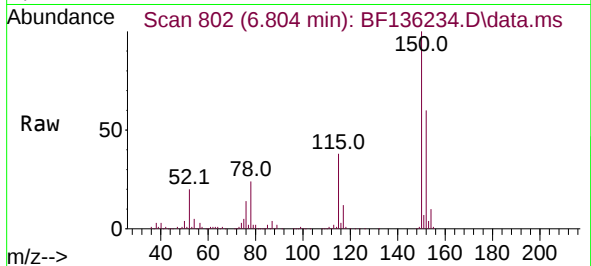




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.804 min Scan# 803
Delta R.T. -0.006 min
Lab File: BF136234.D
Acq: 27 Nov 2023 21:34

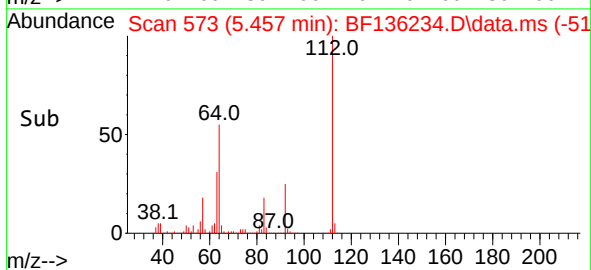
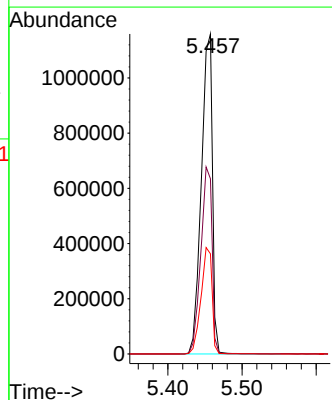
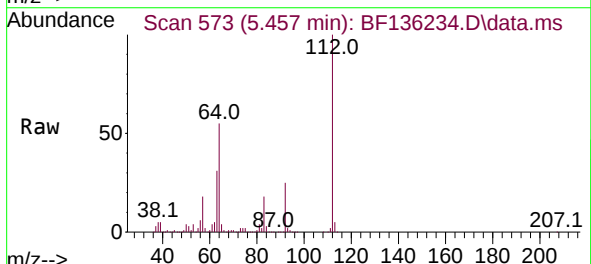
Instrument :
BNA_F
ClientSampleId :
TP-13

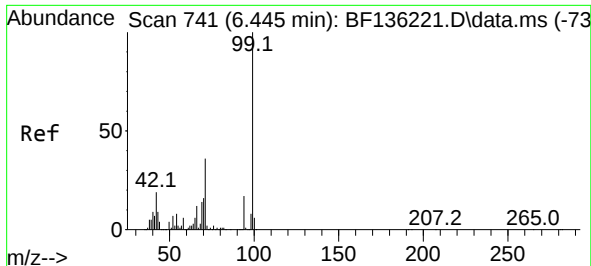
Tgt Ion:152 Resp: 123992
Ion Ratio Lower Upper
152 100
150 165.5 137.8 206.8
115 63.4 52.7 79.1



#5
2-Fluorophenol
Concen: 135.492 ng
RT: 5.457 min Scan# 573
Delta R.T. 0.018 min
Lab File: BF136234.D
Acq: 27 Nov 2023 21:34

Tgt Ion:112 Resp: 1207018
Ion Ratio Lower Upper
112 100
64 54.7 48.2 72.4
63 31.3 27.0 40.6

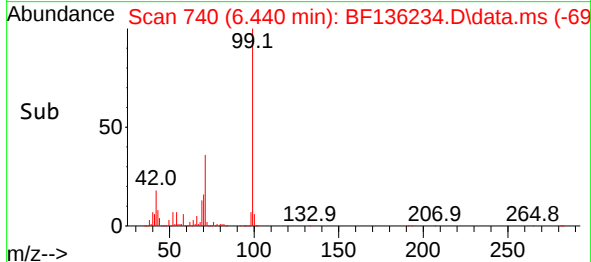
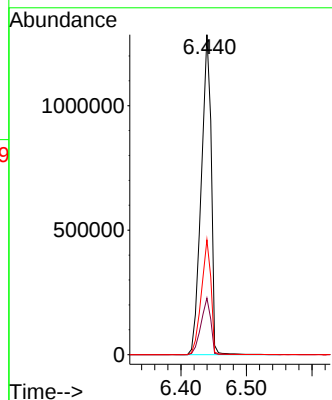
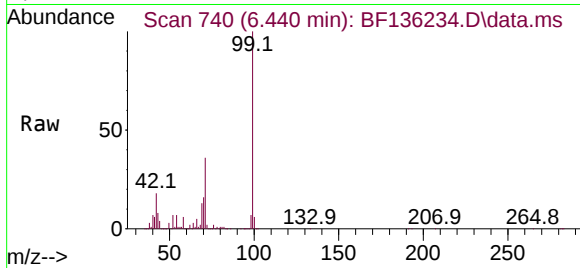




#7
Phenol-d6
Concen: 121.965 ng
RT: 6.440 min Scan# 741
Delta R.T. -0.006 min
Lab File: BF136234.D
Acq: 27 Nov 2023 21:34

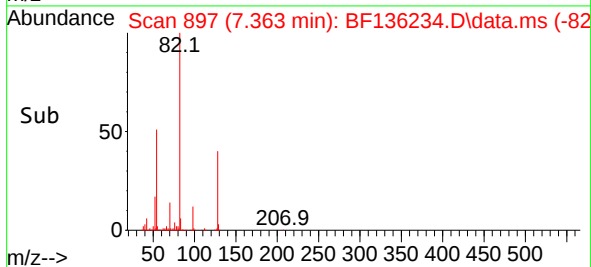
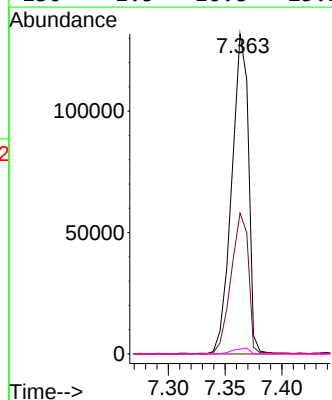
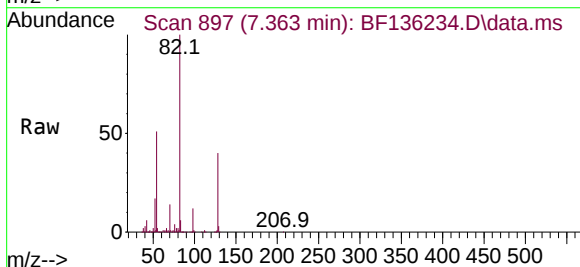
Instrument :
BNA_F
ClientSampleId :
TP-13

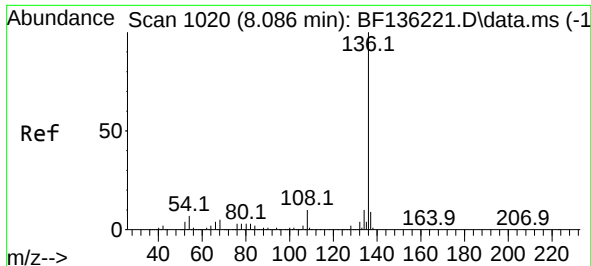
Tgt Ion: 99 Resp: 1358540
Ion Ratio Lower Upper
99 100
42 17.7 15.0 22.6
71 35.9 28.9 43.3



#19
n-Nitroso-di-n-propylamine
Concen: 20.315 ng
RT: 7.363 min Scan# 897
Delta R.T. 0.135 min
Lab File: BF136234.D
Acq: 27 Nov 2023 21:34

Tgt Ion: 70 Resp: 135338
Ion Ratio Lower Upper
70 100
42 44.0 47.0 70.4#
101 0.0 7.8 11.8#
130 1.5 16.8 25.2#

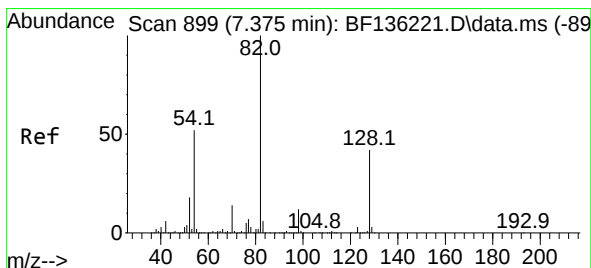
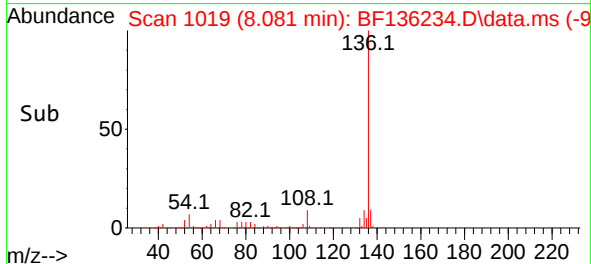
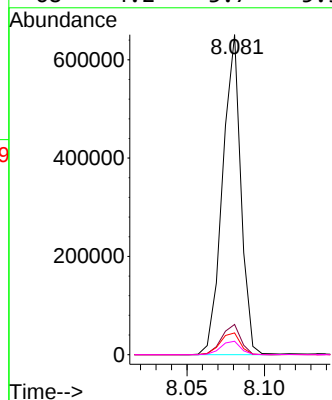
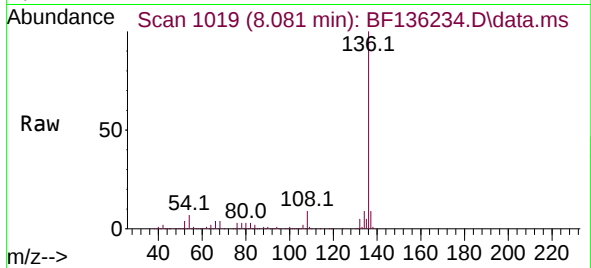




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.081 min Scan# 1019
Delta R.T. -0.006 min
Lab File: BF136234.D
Acq: 27 Nov 2023 21:34

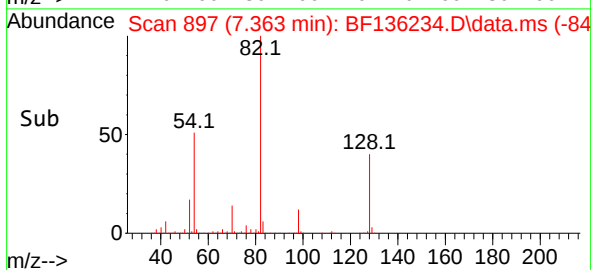
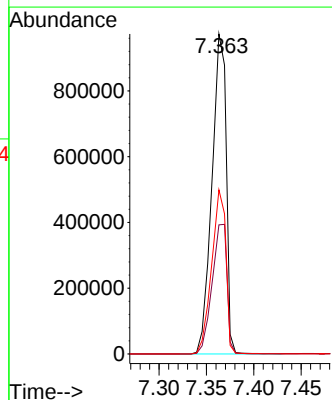
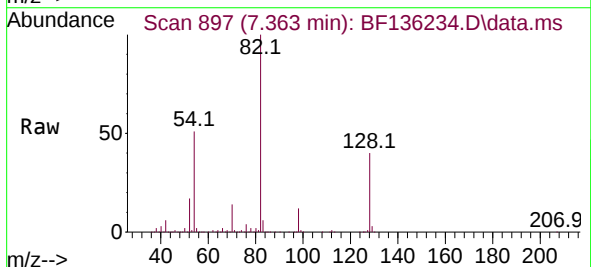
Instrument :
BNA_F
ClientSampleId :
TP-13

Tgt Ion:136 Resp: 534241
Ion Ratio Lower Upper
136 100
137 9.4 7.4 11.2
54 6.8 5.5 8.3
68 4.2 3.7 5.5



#23
Nitrobenzene-d5
Concen: 100.564 ng
RT: 7.363 min Scan# 897
Delta R.T. -0.012 min
Lab File: BF136234.D
Acq: 27 Nov 2023 21:34

Tgt Ion: 82 Resp: 1016698
Ion Ratio Lower Upper
82 100
128 40.4 33.4 50.2
54 51.3 41.7 62.5

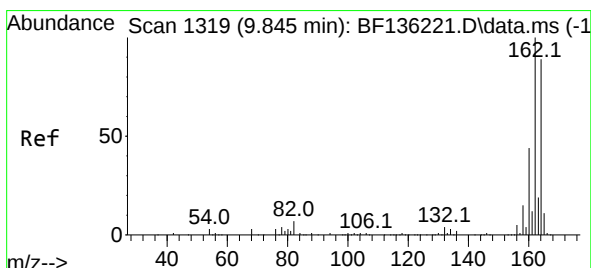
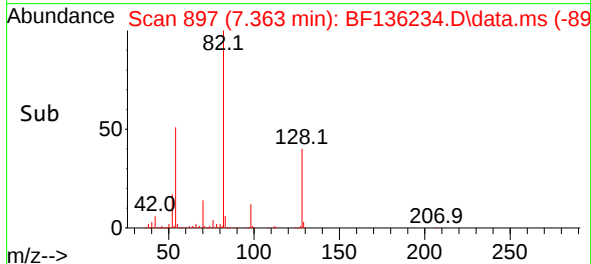
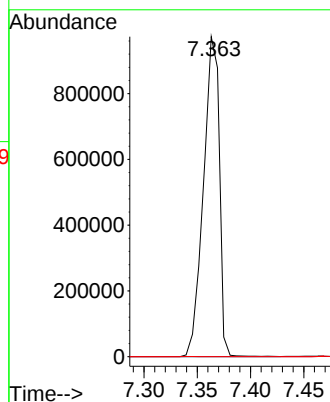
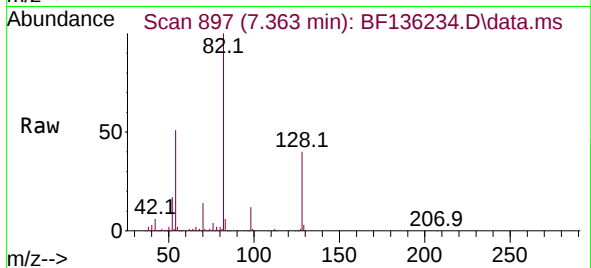




#25
Isophorone
Concen: 55.727 ng
RT: 7.363 min Scan# 897
Delta R.T. -0.265 min
Lab File: BF136234.D
Acq: 27 Nov 2023 21:34

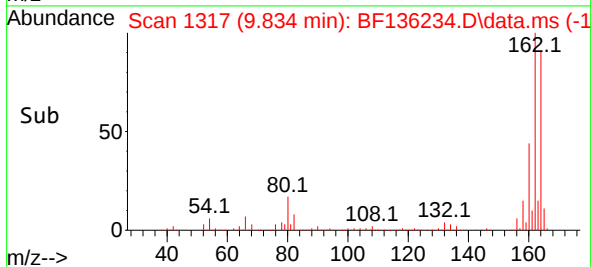
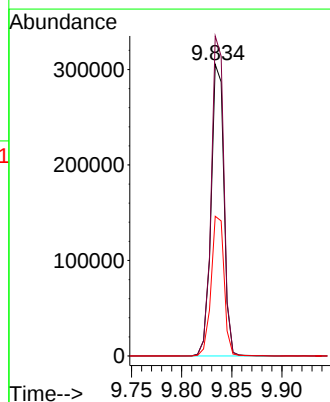
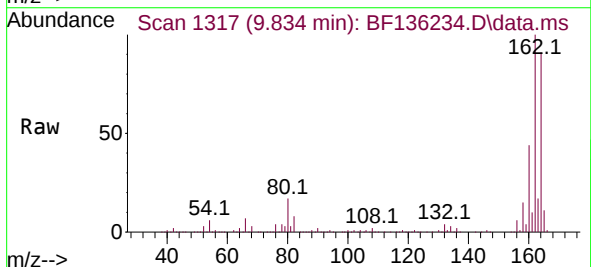
Instrument :
BNA_F
ClientSampleId :
TP-13

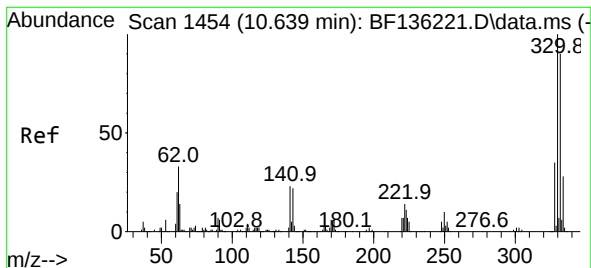
Tgt Ion: 82 Resp: 1015884
Ion Ratio Lower Upper
82 100
95 0.0 5.5 8.3#
138 0.0 12.8 19.2#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.834 min Scan# 1317
Delta R.T. -0.011 min
Lab File: BF136234.D
Acq: 27 Nov 2023 21:34

Tgt Ion:164 Resp: 272493
Ion Ratio Lower Upper
164 100
162 109.8 89.5 134.3
160 47.9 39.6 59.4





#42

2,4,6-Tribromophenol

Concen: 146.749 ng

RT: 10.633 min Scan# 1454

Delta R.T. -0.006 min

Lab File: BF136234.D

Acq: 27 Nov 2023 21:34

Instrument :

BNA_F

ClientSampleId :

TP-13

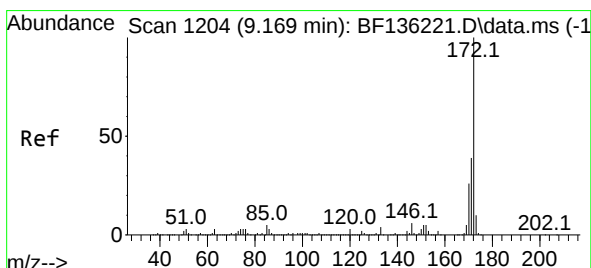
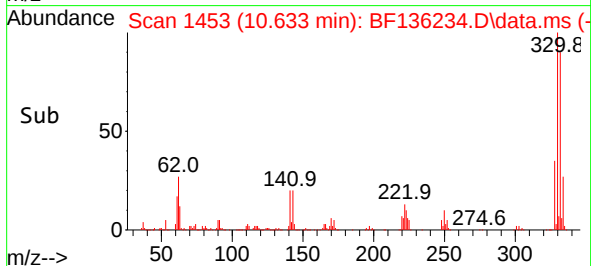
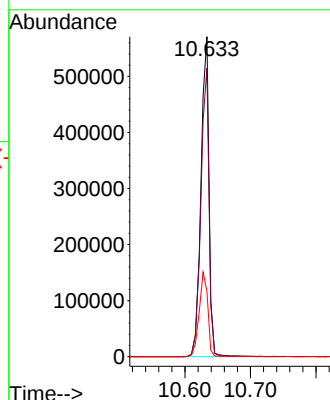
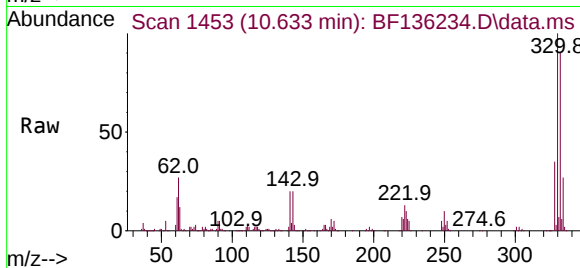
Tgt Ion:330 Resp: 488886

Ion Ratio Lower Upper

330 100

332 91.3 73.0 109.6

141 28.3 24.2 36.2



#45

2-Fluorobiphenyl

Concen: 98.353 ng

RT: 9.163 min Scan# 1203

Delta R.T. -0.006 min

Lab File: BF136234.D

Acq: 27 Nov 2023 21:34

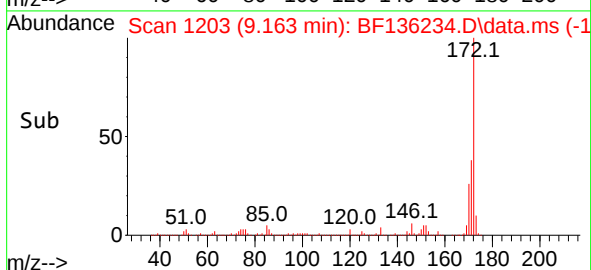
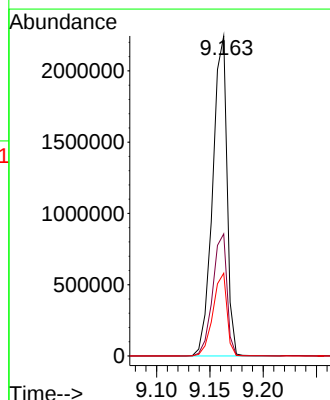
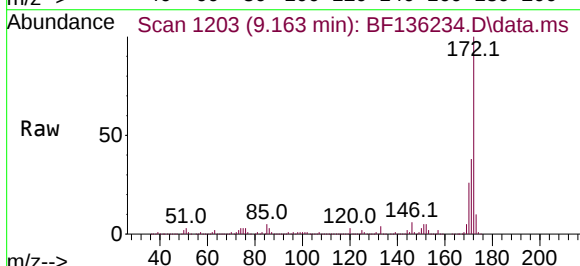
Tgt Ion:172 Resp: 2098209

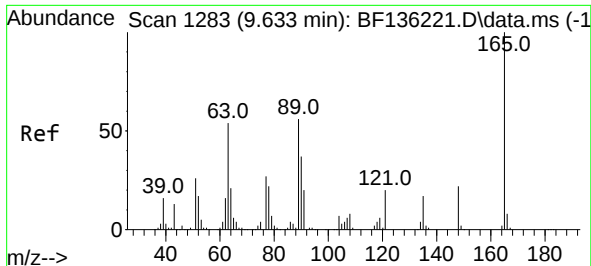
Ion Ratio Lower Upper

172 100

171 38.2 31.5 47.3

170 25.9 20.8 31.2





#51

2,6-Dinitrotoluene

Concen: 8.032 ng

RT: 9.834 min Scan# 1

Delta R.T. 0.200 min

Lab File: BF136234.D

Acq: 27 Nov 2023 21:34

Instrument :

BNA_F

ClientSampleId :

TP-13

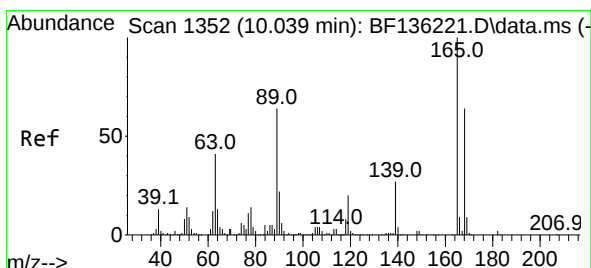
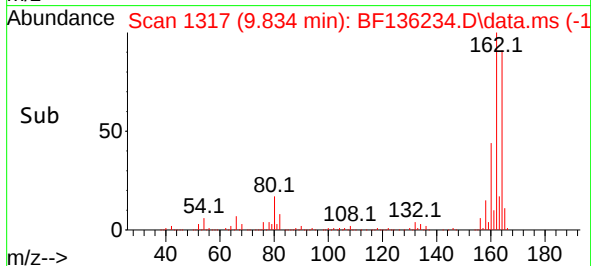
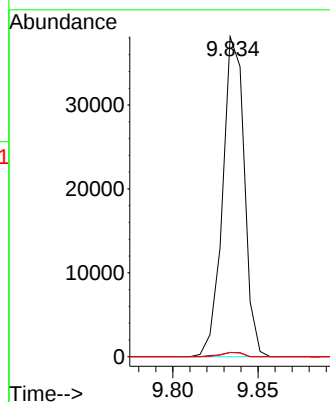
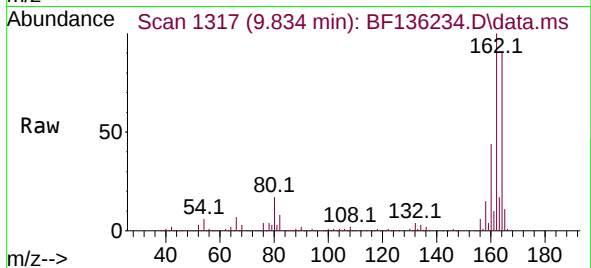
Tgt Ion:165 Resp: 33795

Ion Ratio Lower Upper

165 100

63 1.3 46.2 69.2#

89 1.3 44.9 67.3#



#57

2,4-Dinitrotoluene

Concen: 6.013 ng

RT: 9.834 min Scan# 1317

Delta R.T. -0.206 min

Lab File: BF136234.D

Acq: 27 Nov 2023 21:34

Tgt Ion:165 Resp: 33795

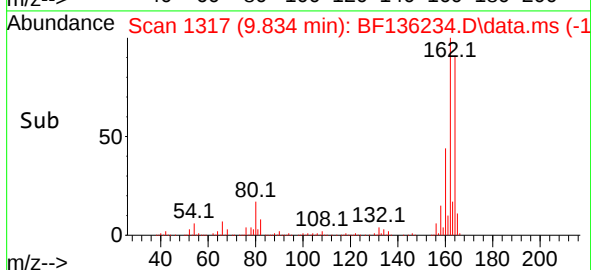
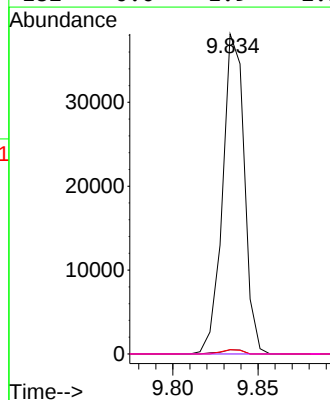
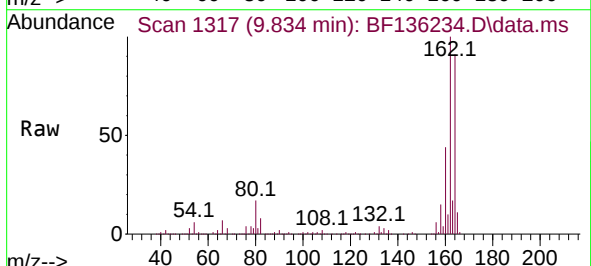
Ion Ratio Lower Upper

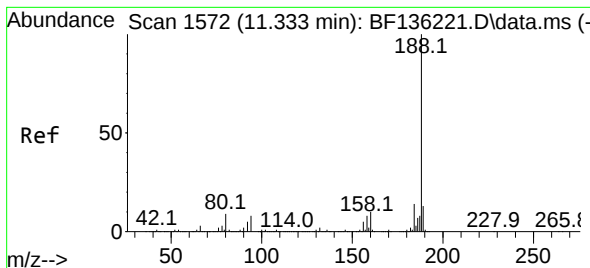
165 100

63 1.3 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: 11.328 min Scan# 11

Delta R.T. -0.005 min

Lab File: BF136234.D

Acq: 27 Nov 2023 21:34

Instrument :

BNA_F

ClientSampleId :

TP-13

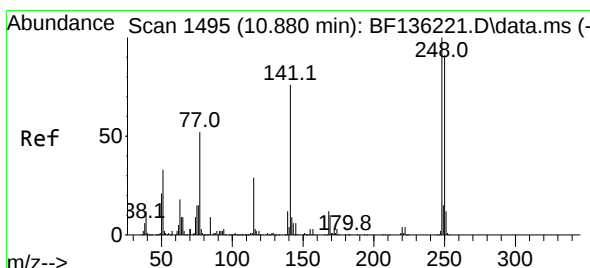
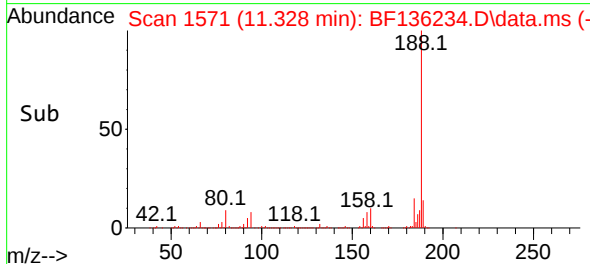
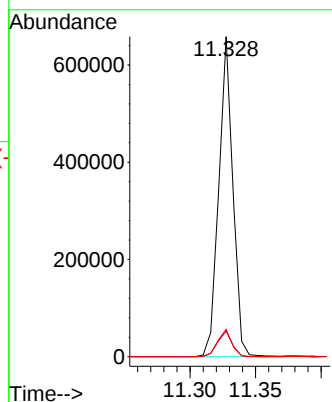
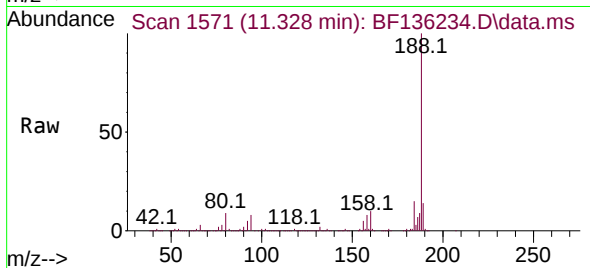
Tgt Ion:188 Resp: 491403

Ion Ratio Lower Upper

188 100

94 8.0 6.7 10.1

80 8.5 7.2 10.8



#67

4-Bromophenyl-phenylether

Concen: 4.813 ng

RT: 10.633 min Scan# 1453

Delta R.T. -0.247 min

Lab File: BF136234.D

Acq: 27 Nov 2023 21:34

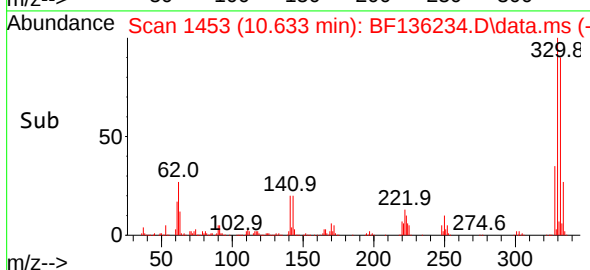
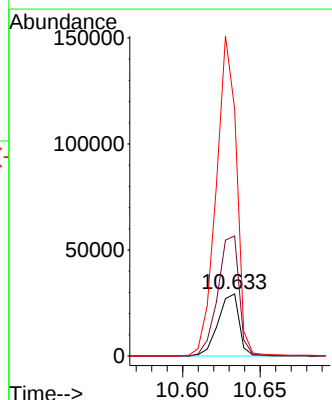
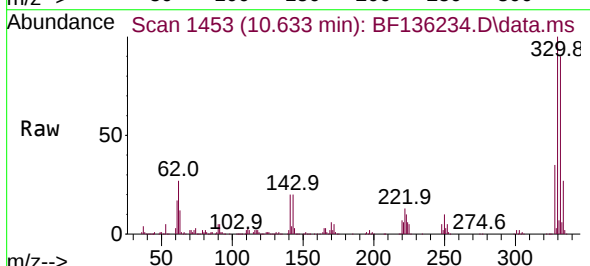
Tgt Ion:248 Resp: 27591

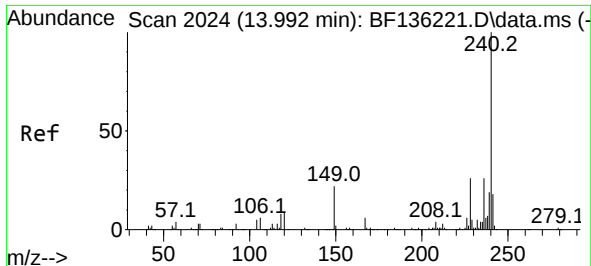
Ion Ratio Lower Upper

248 100

250 193.3 72.5 108.7#

141 398.7 60.8 91.2#

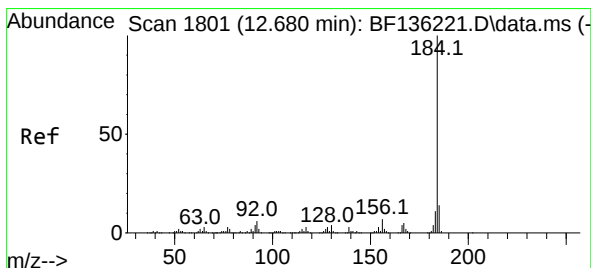
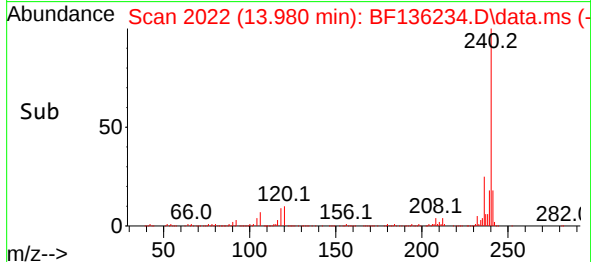
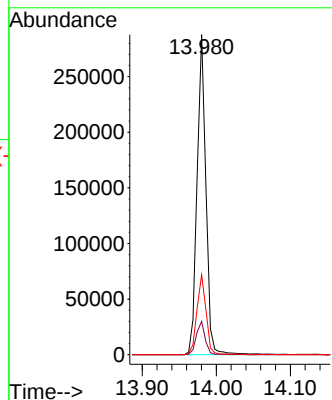
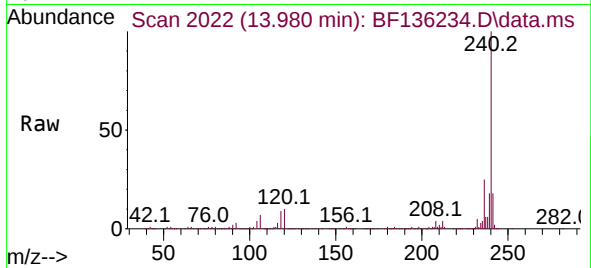




#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.980 min Scan# 20
Delta R.T. -0.012 min
Lab File: BF136234.D
Acq: 27 Nov 2023 21:34

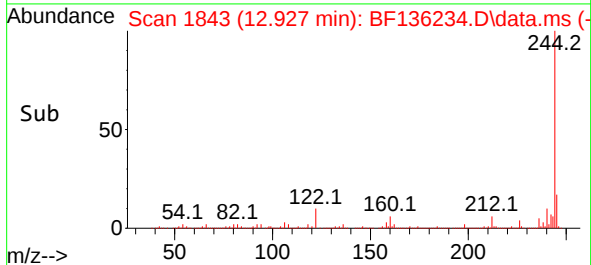
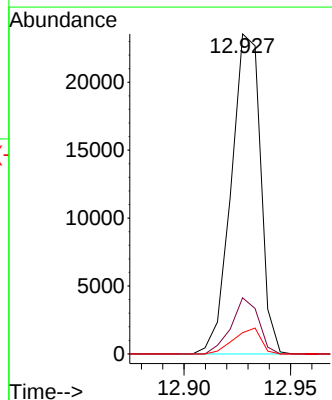
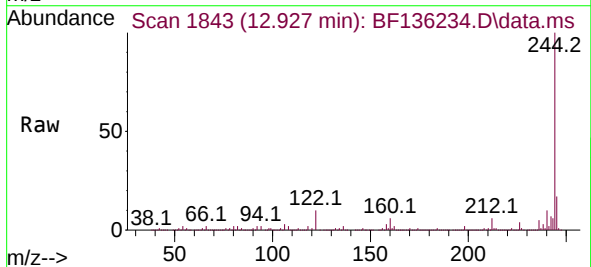
Instrument :
BNA_F
ClientSampleId :
TP-13

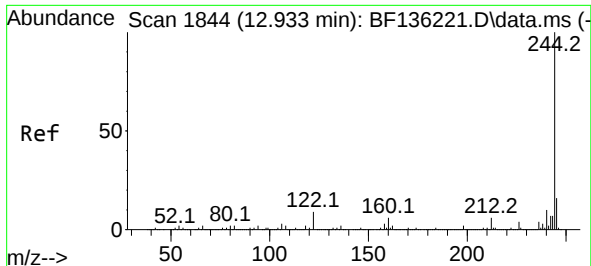
Tgt Ion:240 Resp: 238896
Ion Ratio Lower Upper
240 100
120 10.4 7.4 11.2
236 25.0 21.1 31.7



#77
Benzidine
Concen: 5.748 ng
RT: 12.927 min Scan# 1843
Delta R.T. 0.247 min
Lab File: BF136234.D
Acq: 27 Nov 2023 21:34

Tgt Ion:184 Resp: 22572
Ion Ratio Lower Upper
184 100
185 17.6 11.0 16.6#
183 6.6 9.0 13.4#

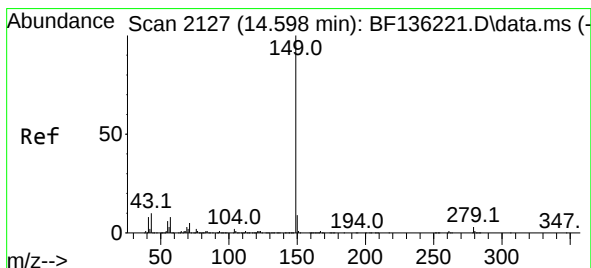
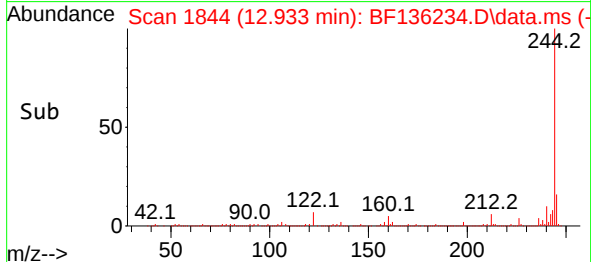
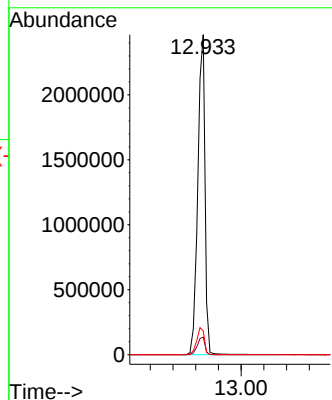
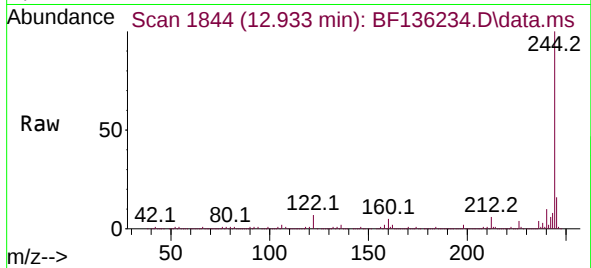




#79
 Terphenyl-d14
 Concen: 105.521 ng
 RT: 12.933 min Scan# 11
 Delta R.T. 0.000 min
 Lab File: BF136234.D
 Acq: 27 Nov 2023 21:34

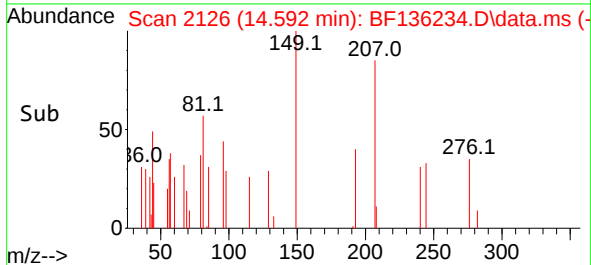
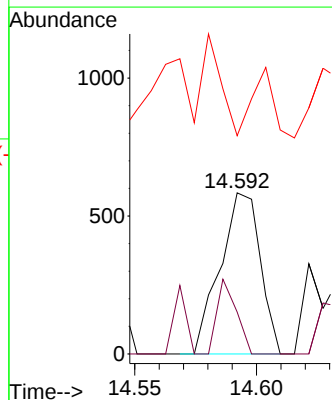
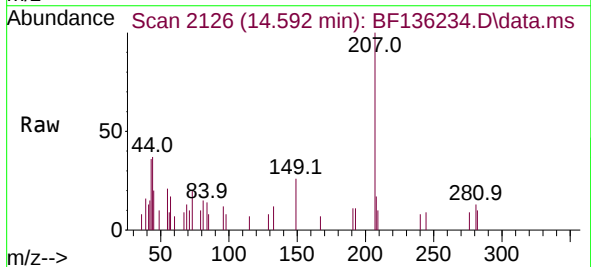
Instrument :
 BNA_F
 ClientSampleId :
 TP-13

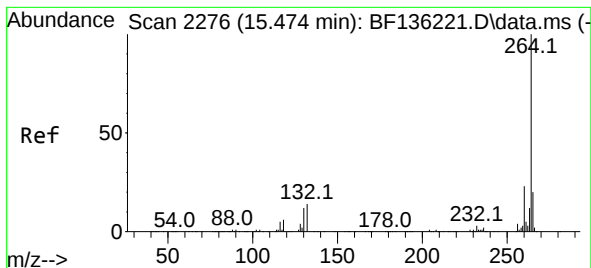
Tgt Ion:244 Resp: 2185425
 Ion Ratio Lower Upper
 244 100
 212 5.5 4.6 7.0
 122 7.5 7.3 10.9



#85
 Di-n-octyl phthalate
 Concen: 5.200 ng
 RT: 14.592 min Scan# 2126
 Delta R.T. -0.006 min
 Lab File: BF136234.D
 Acq: 27 Nov 2023 21:34

Tgt Ion:149 Resp: 669
 Ion Ratio Lower Upper
 149 100
 167 22.3 1.0 1.6#
 43 42.3 7.2 10.8#





#86

Perylene-d12

Concen: 20.000 ng

RT: 15.463 min Scan# 21

Delta R.T. -0.011 min

Lab File: BF136234.D

Acq: 27 Nov 2023 21:34

Instrument :

BNA_F

ClientSampleId :

TP-13

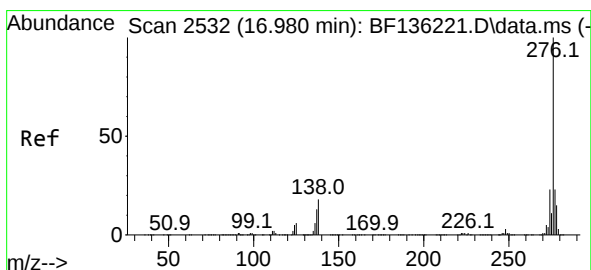
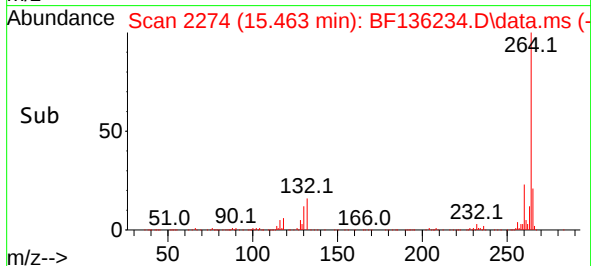
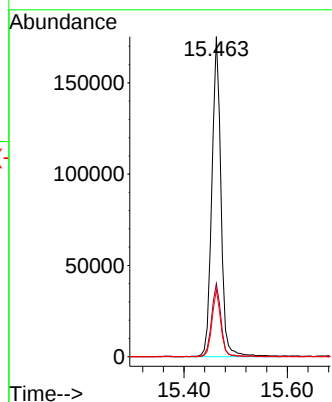
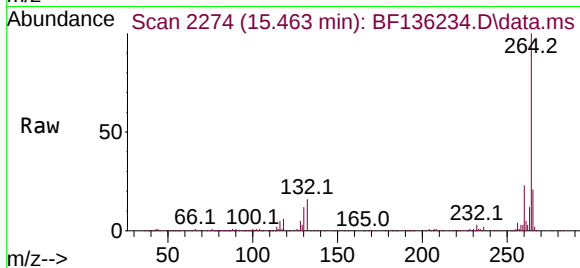
Tgt Ion:264 Resp: 214569

Ion Ratio Lower Upper

264 100

260 22.9 18.6 27.8

265 21.0 15.7 23.5



#87

Indeno(1,2,3-cd)pyrene

Concen: 3.036 ng

RT: 16.933 min Scan# 2524

Delta R.T. -0.047 min

Lab File: BF136234.D

Acq: 27 Nov 2023 21:34

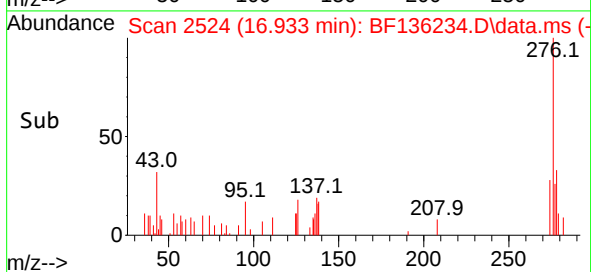
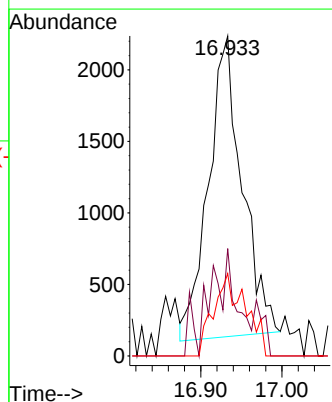
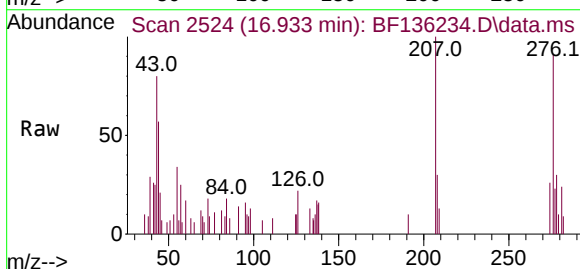
Tgt Ion:276 Resp: 6054

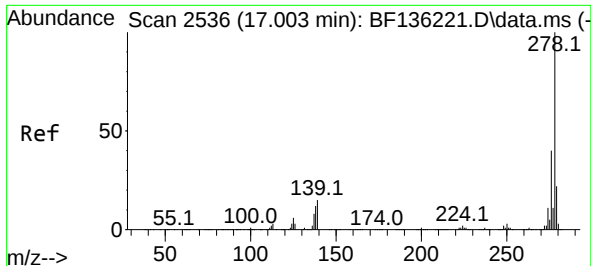
Ion Ratio Lower Upper

276 100

138 13.0 17.7 26.5#

277 25.9 19.6 29.4

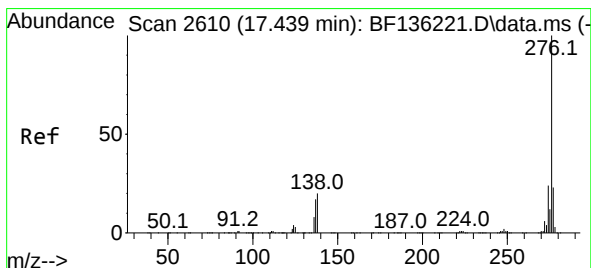
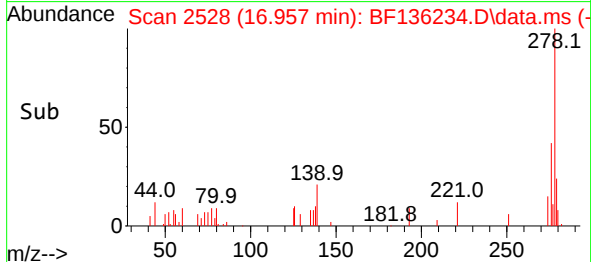
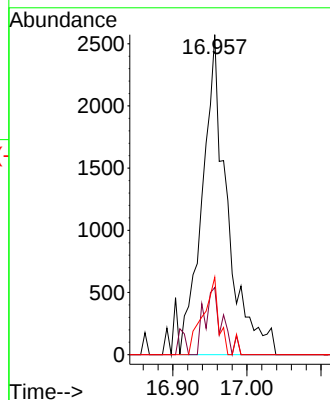
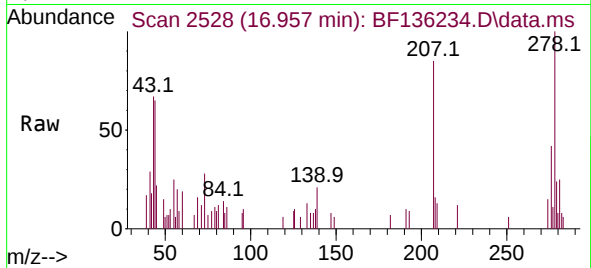




#91
Dibenzo(a,h)anthracene
Concen: 3.157 ng
RT: 16.957 min Scan# 21
Delta R.T. -0.046 min
Lab File: BF136234.D
Acq: 27 Nov 2023 21:34

Instrument :
BNA_F
ClientSampleId :
TP-13

Tgt Ion:278 Resp: 6048
Ion Ratio Lower Upper
278 100
139 21.0 11.7 17.5#
279 24.2 17.8 26.8



#92
Benzo(g,h,i)perylene
Concen: 2.271 ng
RT: 17.380 min Scan# 2600
Delta R.T. -0.059 min
Lab File: BF136234.D
Acq: 27 Nov 2023 21:34

Tgt Ion:276 Resp: 4983
Ion Ratio Lower Upper
276 100
277 18.6 18.6 27.8
138 23.1 15.8 23.8

