

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF112723\
 Data File : BF136230.D
 Acq On : 27 Nov 2023 19:25
 Operator : CG\JU
 Sample : 05468-08
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TP-10

Quant Time: Nov 28 04:10:11 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)

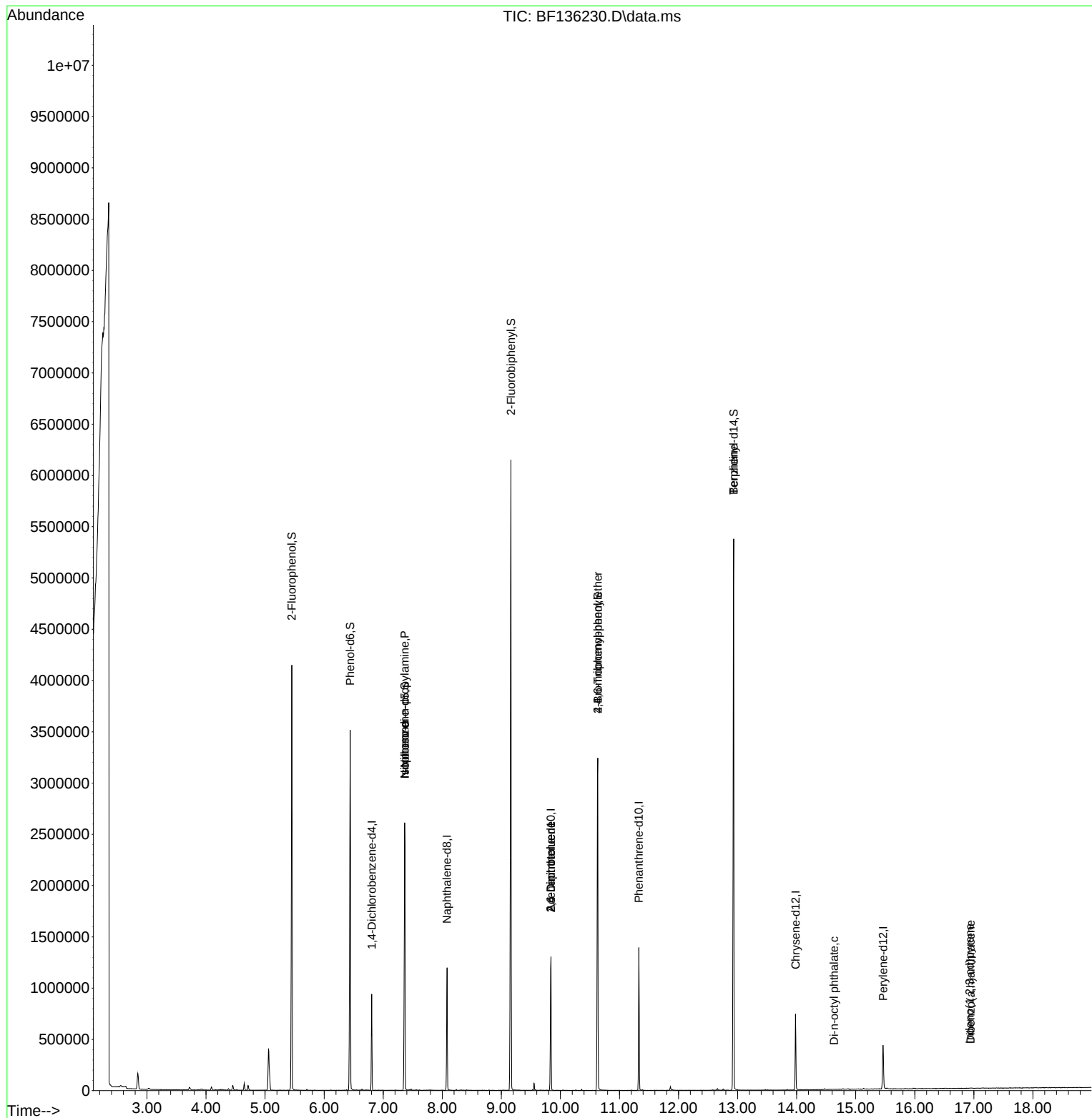
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.804	152	116348	20.000	ng	0.00
21) Naphthalene-d8	8.081	136	511672	20.000	ng	0.00
39) Acenaphthene-d10	9.839	164	261603	20.000	ng	0.00
64) Phenanthrene-d10	11.328	188	477605	20.000	ng	0.00
76) Chrysene-d12	13.980	240	231851	20.000	ng	-0.01
86) Perylene-d12	15.463	264	204798	20.000	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.451	112	1140759	136.467	ng	0.01
7) Phenol-d6	6.440	99	1303681	124.729	ng	0.00
23) Nitrobenzene-d5	7.363	82	934580	96.519	ng	-0.01
42) 2,4,6-Tribromophenol	10.633	330	461716	144.362	ng	0.00
45) 2-Fluorobiphenyl	9.163	172	1944827	94.958	ng	0.00
79) Terphenyl-d14	12.933	244	2057628	102.370	ng	0.00
Target Compounds						
						Qvalue
19) n-Nitroso-di-n-propyla...	7.363	70	125587	20.090	ng	# 77
25) Isophorone	7.363	82	933538	53.469	ng	# 68
51) 2,6-Dinitrotoluene	9.839	165	31820	7.877	ng	# 25
57) 2,4-Dinitrotoluene	9.839	165	31820	5.897	ng	# 28
67) 4-Bromophenyl-phenylether	10.633	248	26613	4.776	ng	# 1
77) Benzidine	12.933	184	22430	5.885	ng	# 90
85) Di-n-octyl phthalate	14.633	149	205	5.174	ng	# 1
87) Indeno(1,2,3-cd)pyrene	16.927	276	2229	2.817	ng	# 78
91) Dibenzo(a,h)anthracene	16.945	278	1889	2.858	ng	# 58

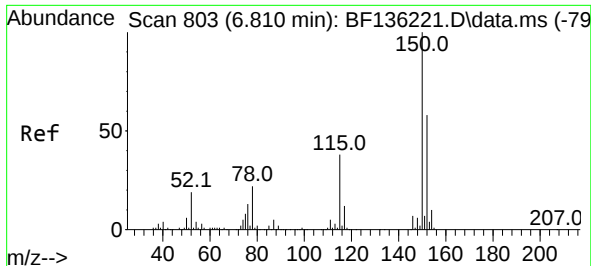
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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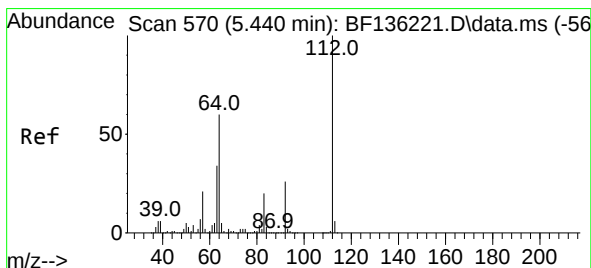
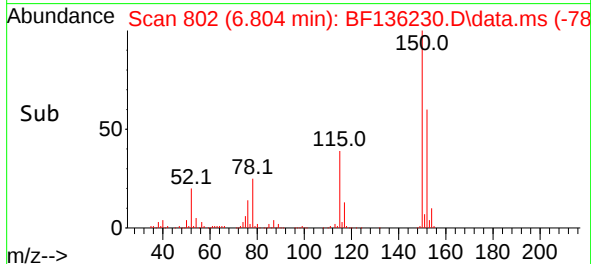
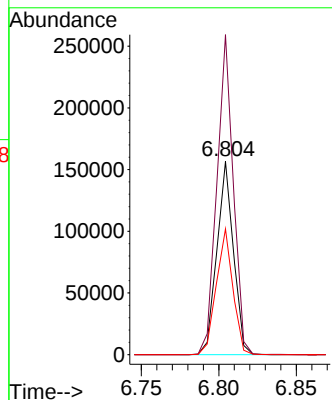
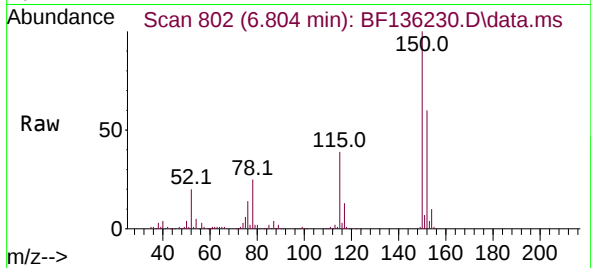




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.804 min Scan# 803
Delta R.T. -0.006 min
Lab File: BF136230.D
Acq: 27 Nov 2023 19:25

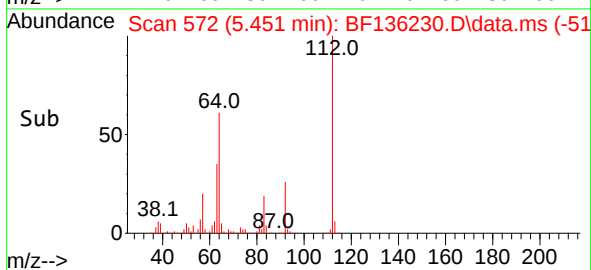
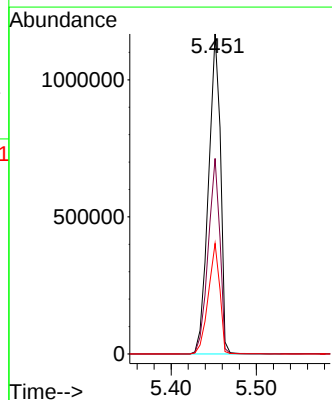
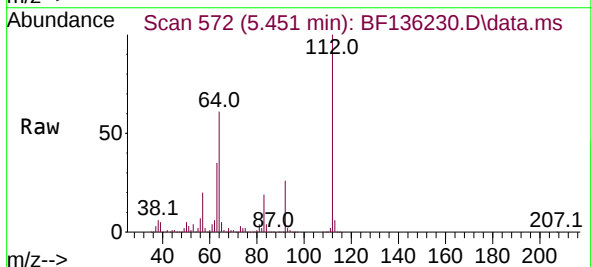
Instrument :
BNA_F
ClientSampleId :
TP-10

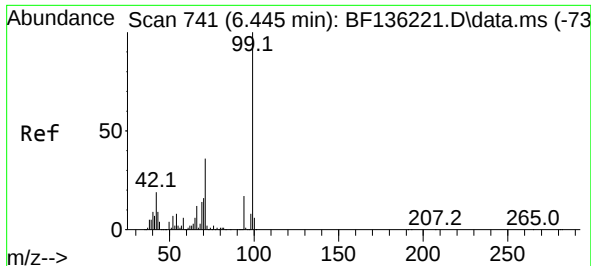
Tgt Ion:152 Resp: 116348
Ion Ratio Lower Upper
152 100
150 165.5 137.8 206.8
115 65.1 52.7 79.1



#5
2-Fluorophenol
Concen: 136.467 ng
RT: 5.451 min Scan# 572
Delta R.T. 0.012 min
Lab File: BF136230.D
Acq: 27 Nov 2023 19:25

Tgt Ion:112 Resp: 1140759
Ion Ratio Lower Upper
112 100
64 61.1 48.2 72.4
63 34.6 27.0 40.6

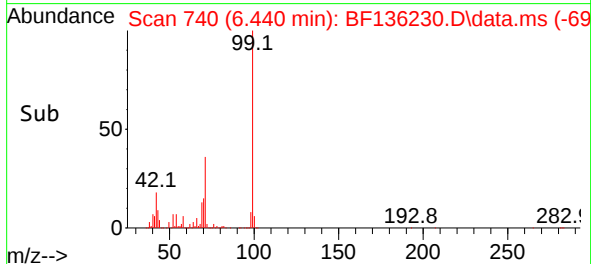
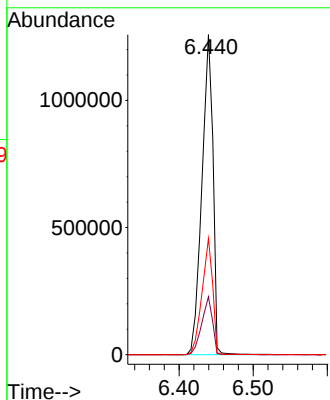
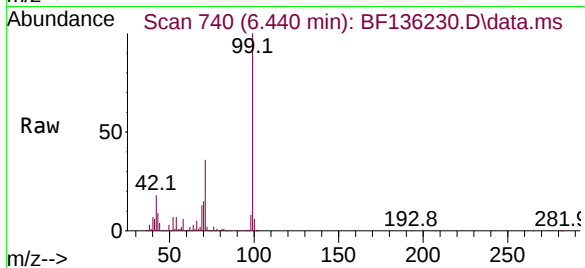




#7
Phenol-d6
Concen: 124.729 ng
RT: 6.440 min Scan# 741
Delta R.T. -0.006 min
Lab File: BF136230.D
Acq: 27 Nov 2023 19:25

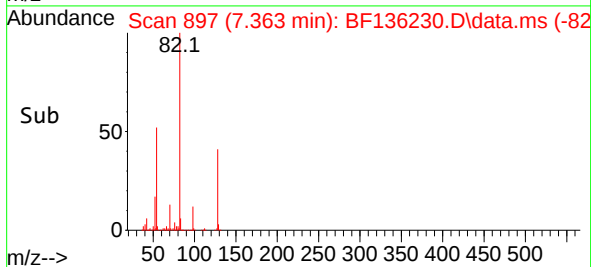
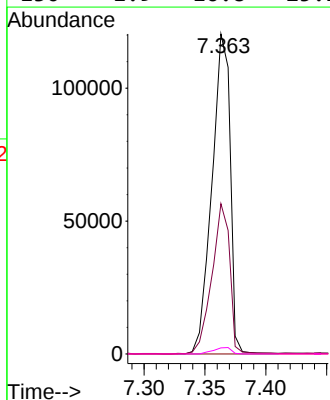
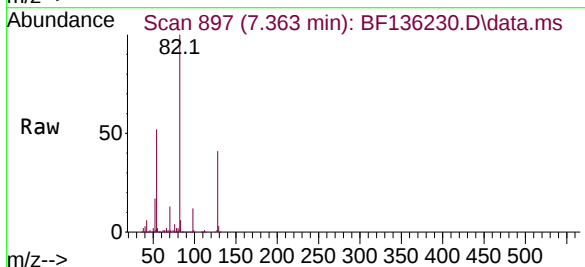
Instrument :
BNA_F
ClientSampleId :
TP-10

Tgt Ion: 99 Resp: 1303681
Ion Ratio Lower Upper
99 100
42 18.1 15.0 22.6
71 36.3 28.9 43.3



#19
n-Nitroso-di-n-propylamine
Concen: 20.090 ng
RT: 7.363 min Scan# 897
Delta R.T. 0.135 min
Lab File: BF136230.D
Acq: 27 Nov 2023 19:25

Tgt Ion: 70 Resp: 125587
Ion Ratio Lower Upper
70 100
42 46.9 47.0 70.4#
101 0.0 7.8 11.8#
130 1.9 16.8 25.2#

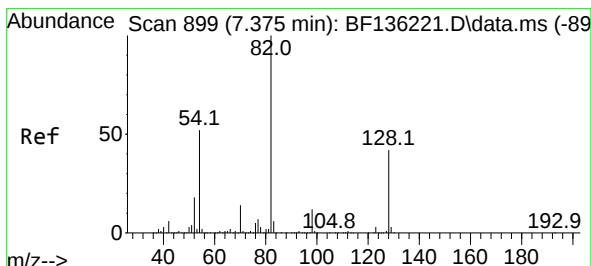
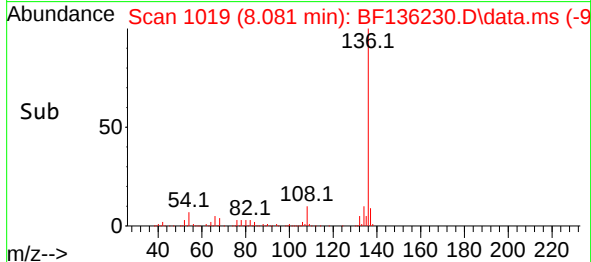
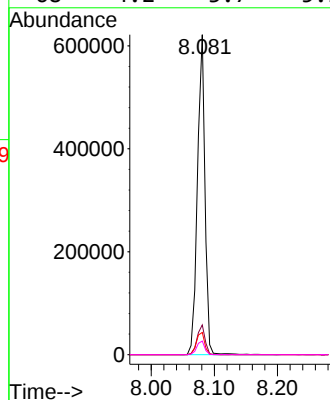
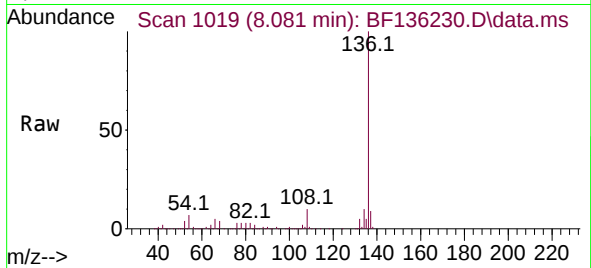




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.081 min Scan# 1019
Delta R.T. -0.006 min
Lab File: BF136230.D
Acq: 27 Nov 2023 19:25

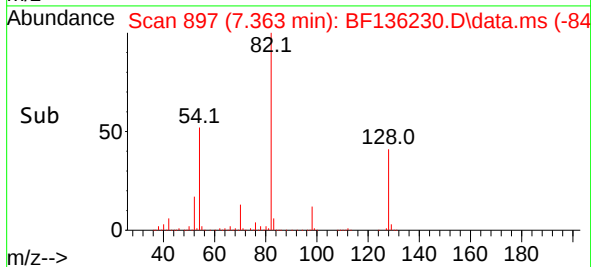
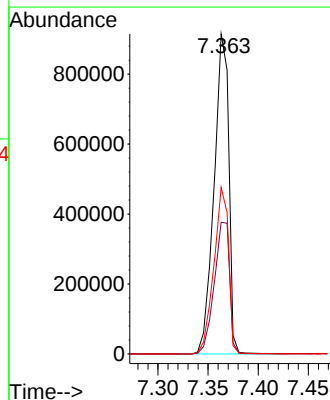
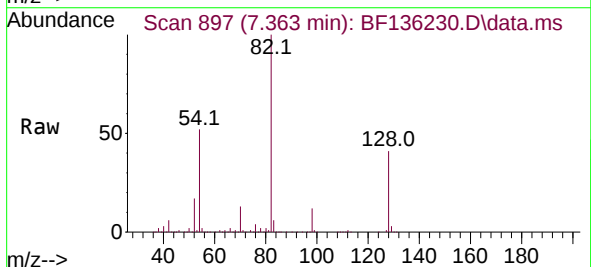
Instrument :
BNA_F
ClientSampleId :
TP-10

Tgt Ion:136 Resp: 511672
Ion Ratio Lower Upper
136 100
137 9.3 7.4 11.2
54 6.9 5.5 8.3
68 4.2 3.7 5.5



#23
Nitrobenzene-d5
Concen: 96.519 ng
RT: 7.363 min Scan# 897
Delta R.T. -0.012 min
Lab File: BF136230.D
Acq: 27 Nov 2023 19:25

Tgt Ion: 82 Resp: 934580
Ion Ratio Lower Upper
82 100
128 41.1 33.4 50.2
54 52.1 41.7 62.5

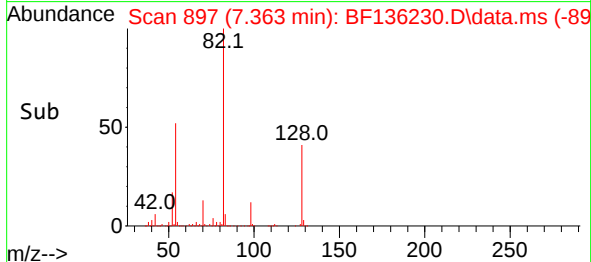
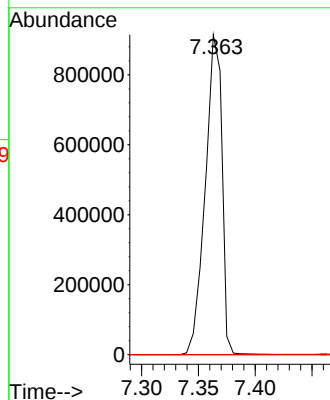
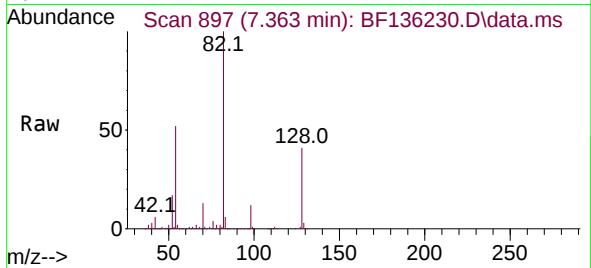




#25
Isophorone
Concen: 53.469 ng
RT: 7.363 min Scan# 897
Delta R.T. -0.265 min
Lab File: BF136230.D
Acq: 27 Nov 2023 19:25

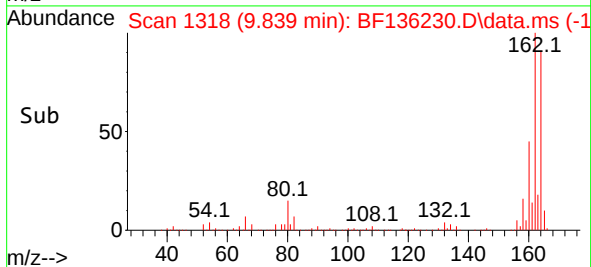
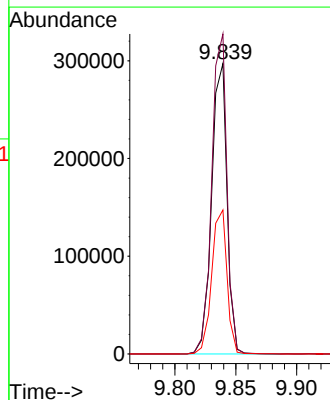
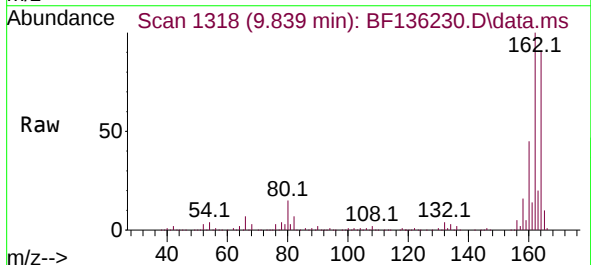
Instrument :
BNA_F
ClientSampleId :
TP-10

Tgt Ion: 82 Resp: 933538
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: BF136230.D
Acq: 27 Nov 2023 19:25

Tgt Ion:164 Resp: 261603
Ion Ratio Lower Upper
164 100
162 110.2 89.5 134.3
160 49.6 39.6 59.4





#42

2,4,6-Tribromophenol

Concen: 144.362 ng

RT: 10.633 min Scan# 1454

Delta R.T. -0.006 min

Lab File: BF136230.D

Acq: 27 Nov 2023 19:25

Instrument :

BNA_F

ClientSampleId :

TP-10

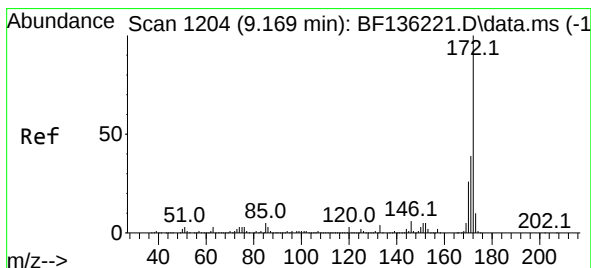
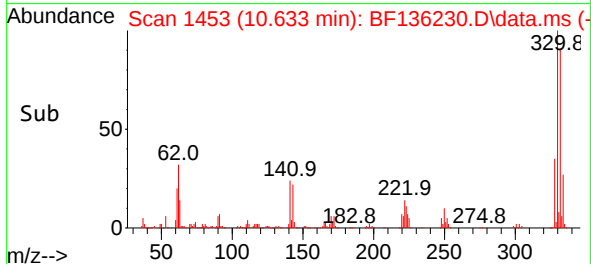
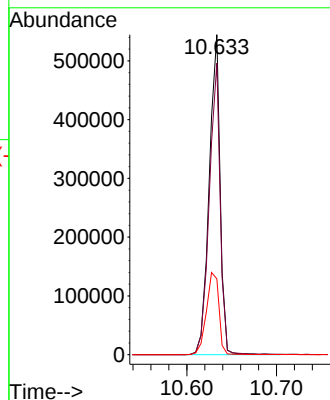
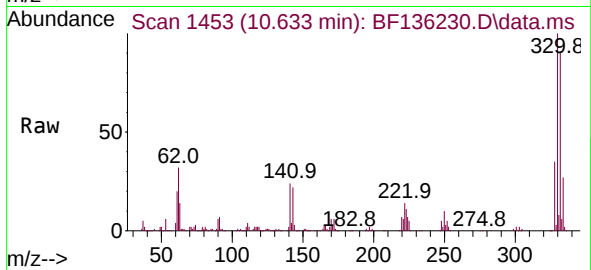
Tgt Ion:330 Resp: 461716

Ion Ratio Lower Upper

330 100

332 91.2 73.0 109.6

141 29.3 24.2 36.2



#45

2-Fluorobiphenyl

Concen: 94.958 ng

RT: 9.163 min Scan# 1203

Delta R.T. -0.006 min

Lab File: BF136230.D

Acq: 27 Nov 2023 19:25

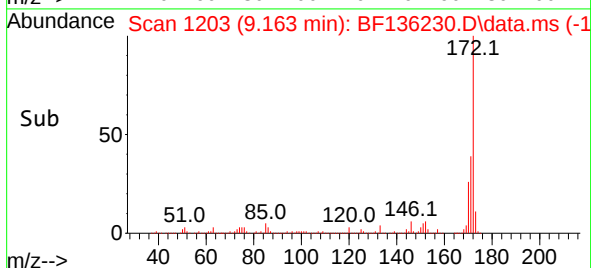
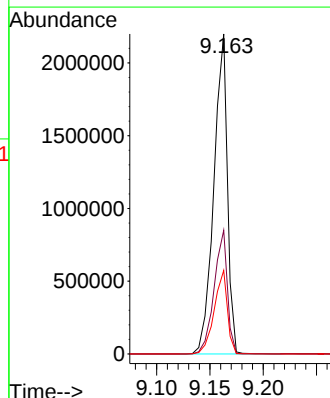
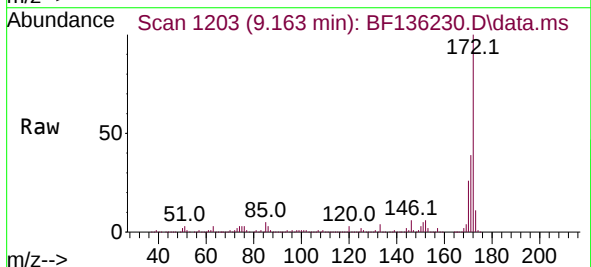
Tgt Ion:172 Resp: 1944827

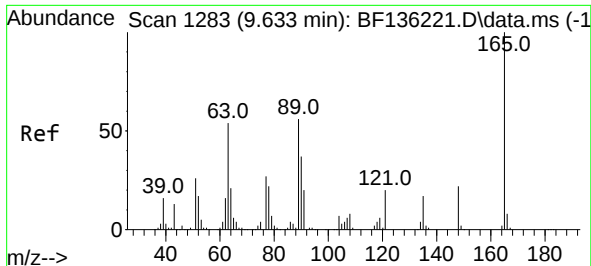
Ion Ratio Lower Upper

172 100

171 38.7 31.5 47.3

170 26.1 20.8 31.2





#51

2,6-Dinitrotoluene

Concen: 7.877 ng

RT: 9.839 min Scan# 11

Delta R.T. 0.206 min

Lab File: BF136230.D

Acq: 27 Nov 2023 19:25

Instrument :

BNA_F

ClientSampleId :

TP-10

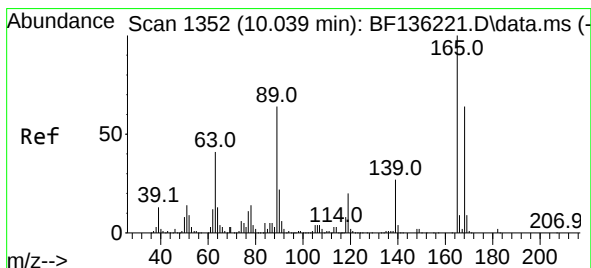
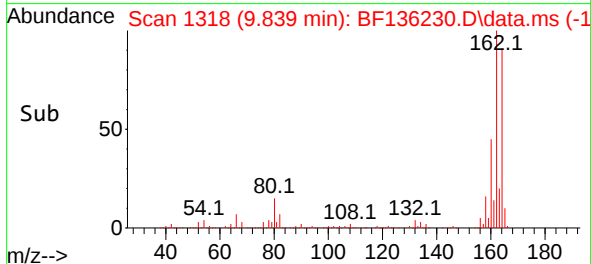
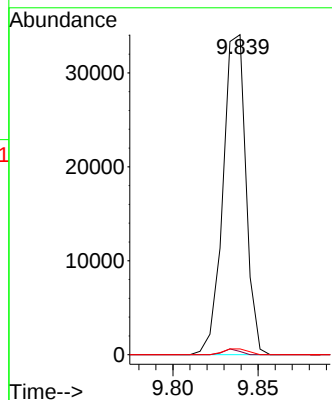
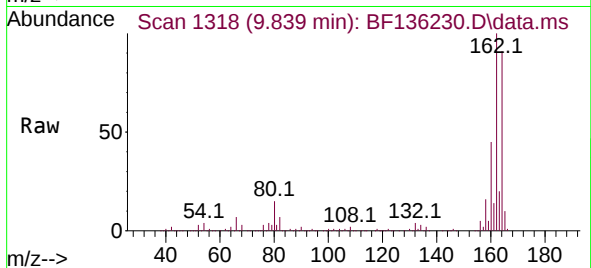
Tgt Ion:165 Resp: 31820

Ion Ratio Lower Upper

165 100

63 1.0 46.2 69.2#

89 1.8 44.9 67.3#



#57

2,4-Dinitrotoluene

Concen: 5.897 ng

RT: 9.839 min Scan# 1318

Delta R.T. -0.200 min

Lab File: BF136230.D

Acq: 27 Nov 2023 19:25

Tgt Ion:165 Resp: 31820

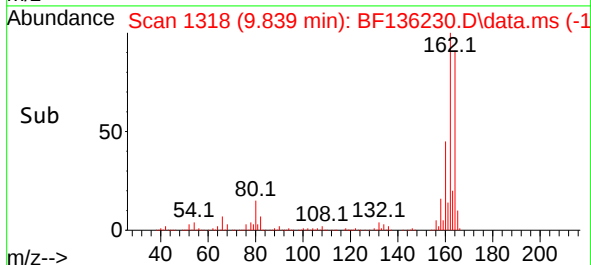
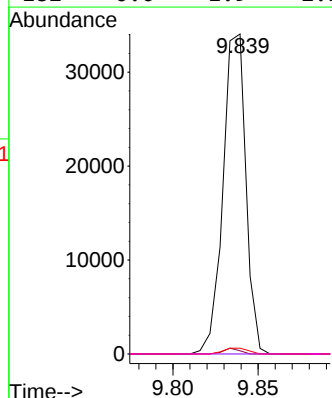
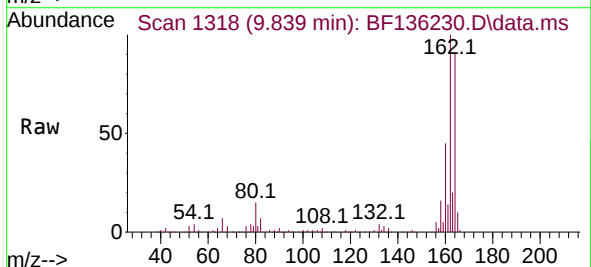
Ion Ratio Lower Upper

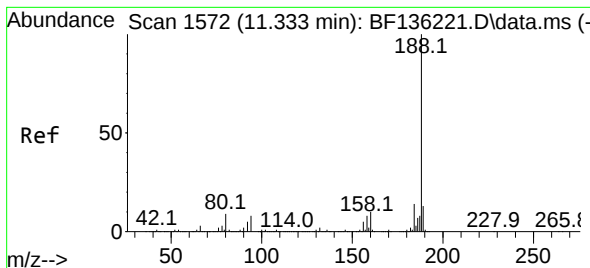
165 100

63 1.0 33.0 49.4#

89 1.8 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: BF136230.D

Acq: 27 Nov 2023 19:25

Instrument :

BNA_F

ClientSampleId :

TP-10

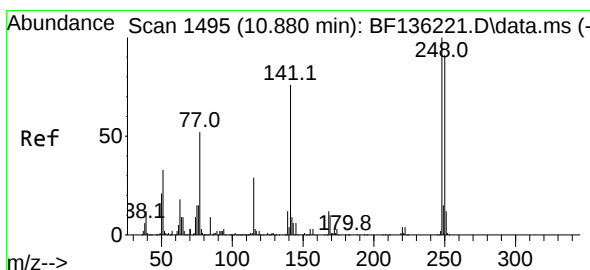
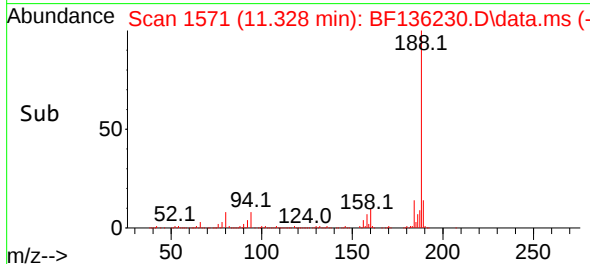
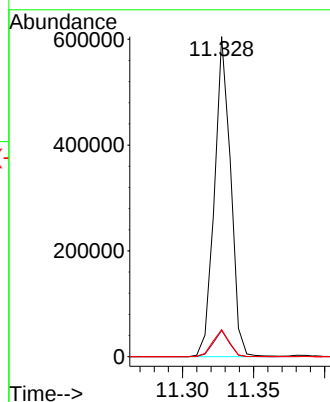
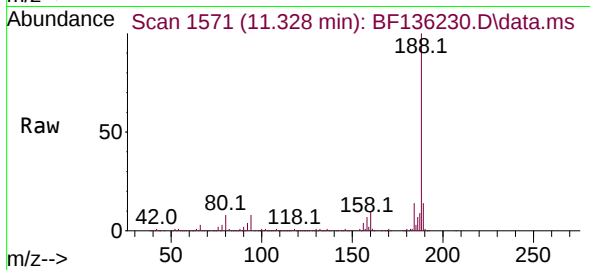
Tgt Ion:188 Resp: 477605

Ion Ratio Lower Upper

188 100

94 8.2 6.7 10.1

80 8.5 7.2 10.8



#67

4-Bromophenyl-phenylether

Concen: 4.776 ng

RT: 10.633 min Scan# 1453

Delta R.T. -0.247 min

Lab File: BF136230.D

Acq: 27 Nov 2023 19:25

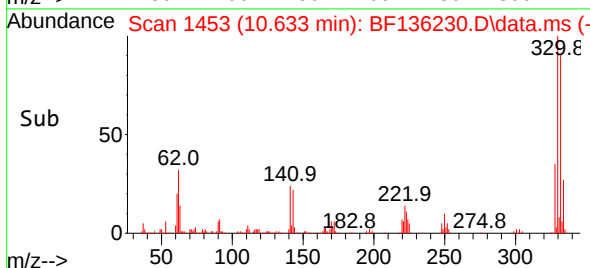
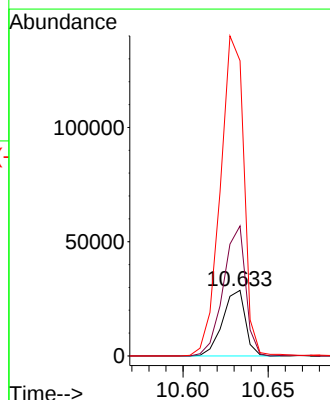
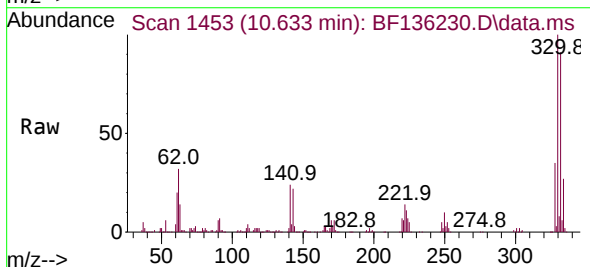
Tgt Ion:248 Resp: 26613

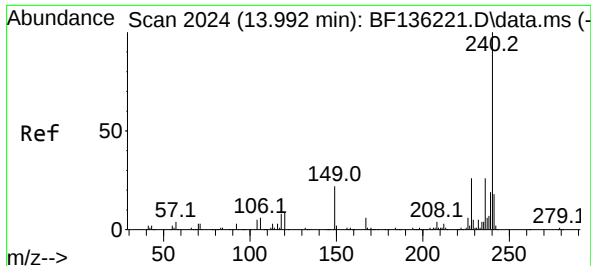
Ion Ratio Lower Upper

248 100

250 198.5 72.5 108.7#

141 450.3 60.8 91.2#

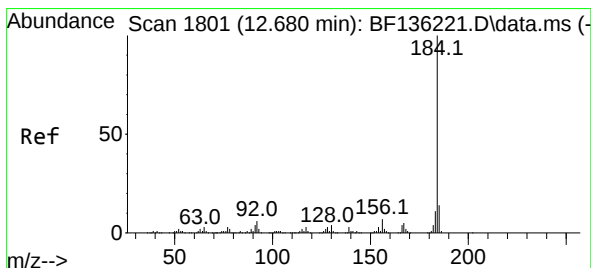
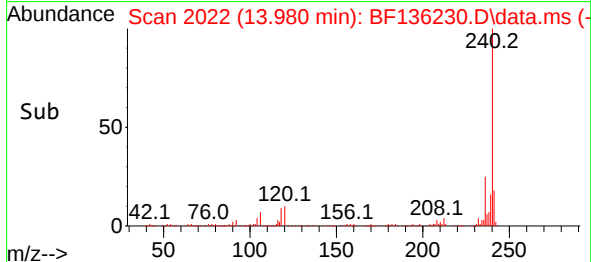
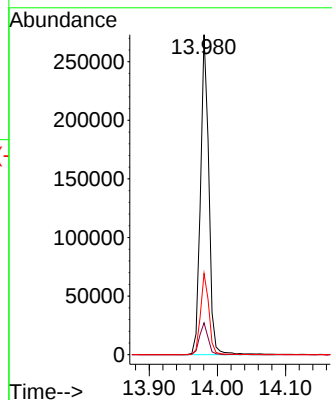
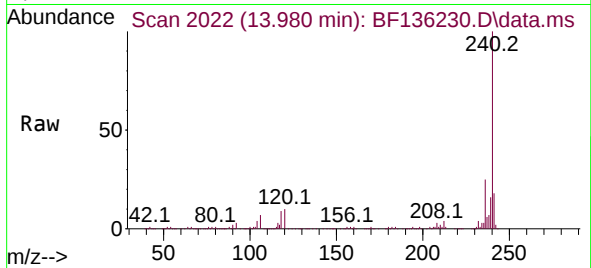




#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.980 min Scan# 20
Delta R.T. -0.012 min
Lab File: BF136230.D
Acq: 27 Nov 2023 19:25

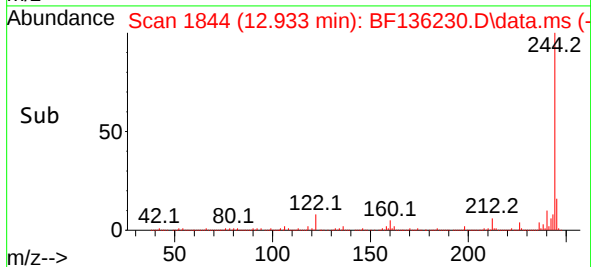
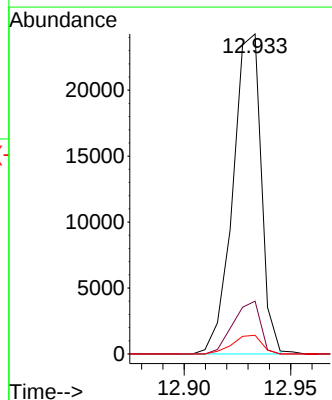
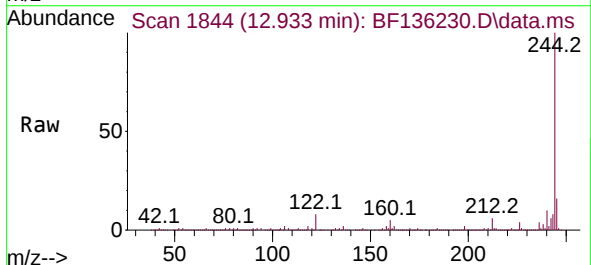
Instrument :
BNA_F
ClientSampleId :
TP-10

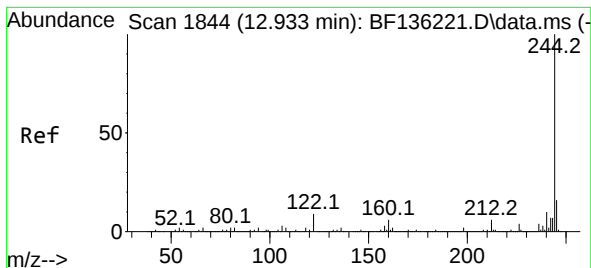
Tgt Ion:240 Resp: 231851
Ion Ratio Lower Upper
240 100
120 9.9 7.4 11.2
236 25.4 21.1 31.7



#77
Benzidine
Concen: 5.885 ng
RT: 12.933 min Scan# 1844
Delta R.T. 0.253 min
Lab File: BF136230.D
Acq: 27 Nov 2023 19:25

Tgt Ion:184 Resp: 22430
Ion Ratio Lower Upper
184 100
185 16.5 11.0 16.6
183 5.9 9.0 13.4#





#79

Terphenyl-d14

Concen: 102.370 ng

RT: 12.933 min Scan# 11

Delta R.T. 0.000 min

Lab File: BF136230.D

Acq: 27 Nov 2023 19:25

Instrument :

BNA_F

ClientSampleId :

TP-10

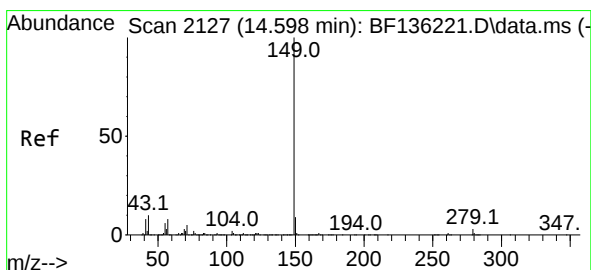
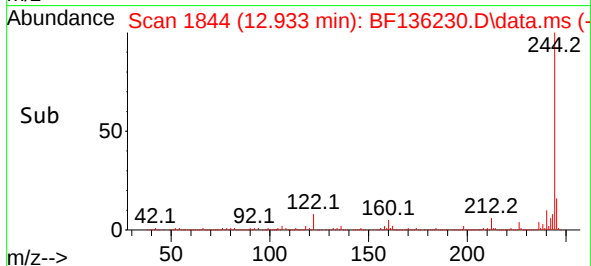
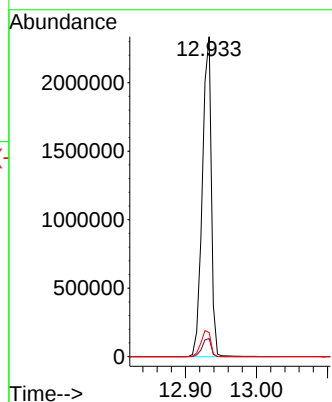
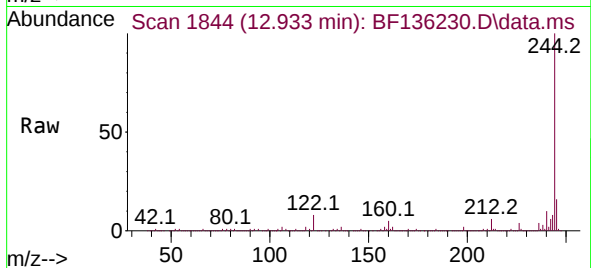
Tgt Ion:244 Resp: 2057628

Ion Ratio Lower Upper

244 100

212 5.7 4.6 7.0

122 7.6 7.3 10.9



#85

Di-n-octyl phthalate

Concen: 5.174 ng

RT: 14.633 min Scan# 2133

Delta R.T. 0.035 min

Lab File: BF136230.D

Acq: 27 Nov 2023 19:25

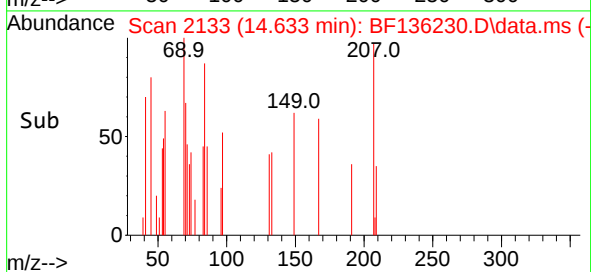
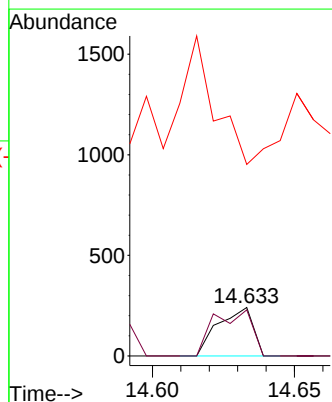
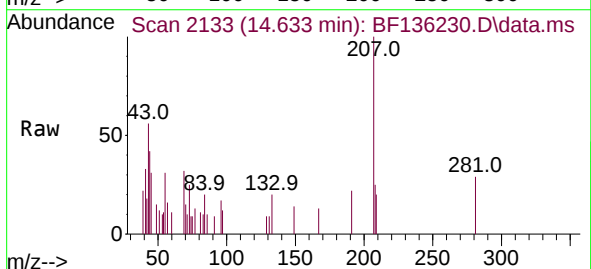
Tgt Ion:149 Resp: 205

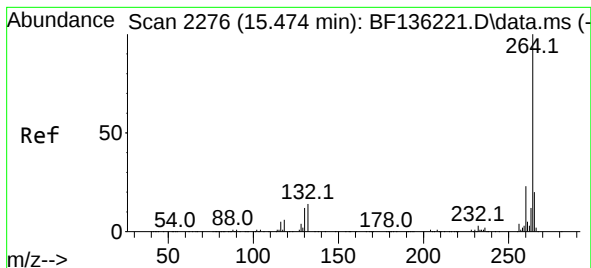
Ion Ratio Lower Upper

149 100

167 102.9 1.0 1.6#

43 162.9 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: BF136230.D

Acq: 27 Nov 2023 19:25

Instrument :

BNA_F

ClientSampleId :

TP-10

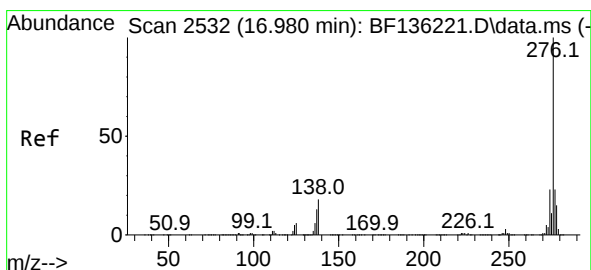
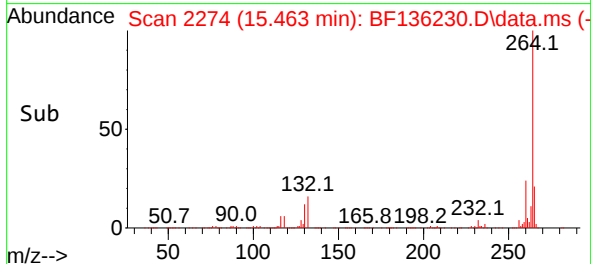
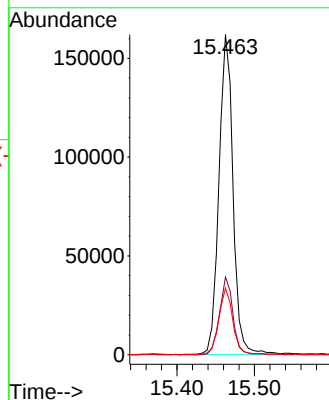
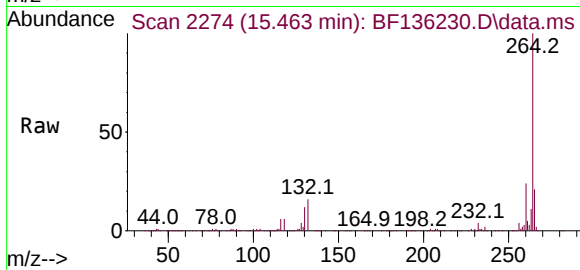
Tgt Ion:264 Resp: 204798

Ion Ratio Lower Upper

264 100

260 24.3 18.6 27.8

265 20.8 15.7 23.5



#87

Indeno(1,2,3-cd)pyrene

Concen: 2.817 ng

RT: 16.927 min Scan# 2523

Delta R.T. -0.053 min

Lab File: BF136230.D

Acq: 27 Nov 2023 19:25

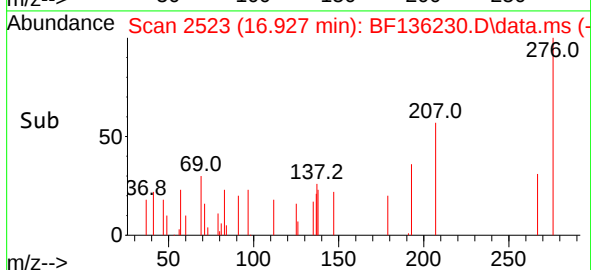
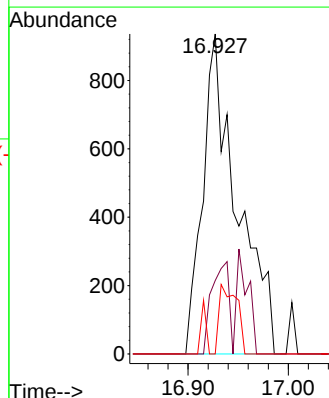
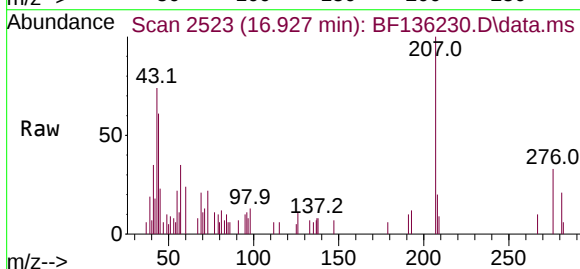
Tgt Ion:276 Resp: 2229

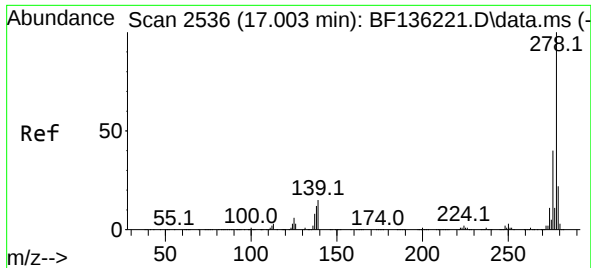
Ion Ratio Lower Upper

276 100

138 14.4 17.7 26.5#

277 11.1 19.6 29.4#





#91
Dibenzo(a,h)anthracene
Concen: 2.858 ng
RT: 16.945 min Scan# 21
Delta R.T. -0.058 min
Lab File: BF136230.D
Acq: 27 Nov 2023 19:25

Instrument :
BNA_F
ClientSampleId :
TP-10

Tgt Ion	Ratio	Lower	Upper
278	100		
139	0.0	11.7	17.5#
279	0.0	17.8	26.8#

