

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF112723\
 Data File : BF136227.D
 Acq On : 27 Nov 2023 17:48
 Operator : CG\JU
 Sample : 05468-04
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TP-9

Quant Time: Nov 28 04:09:10 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)

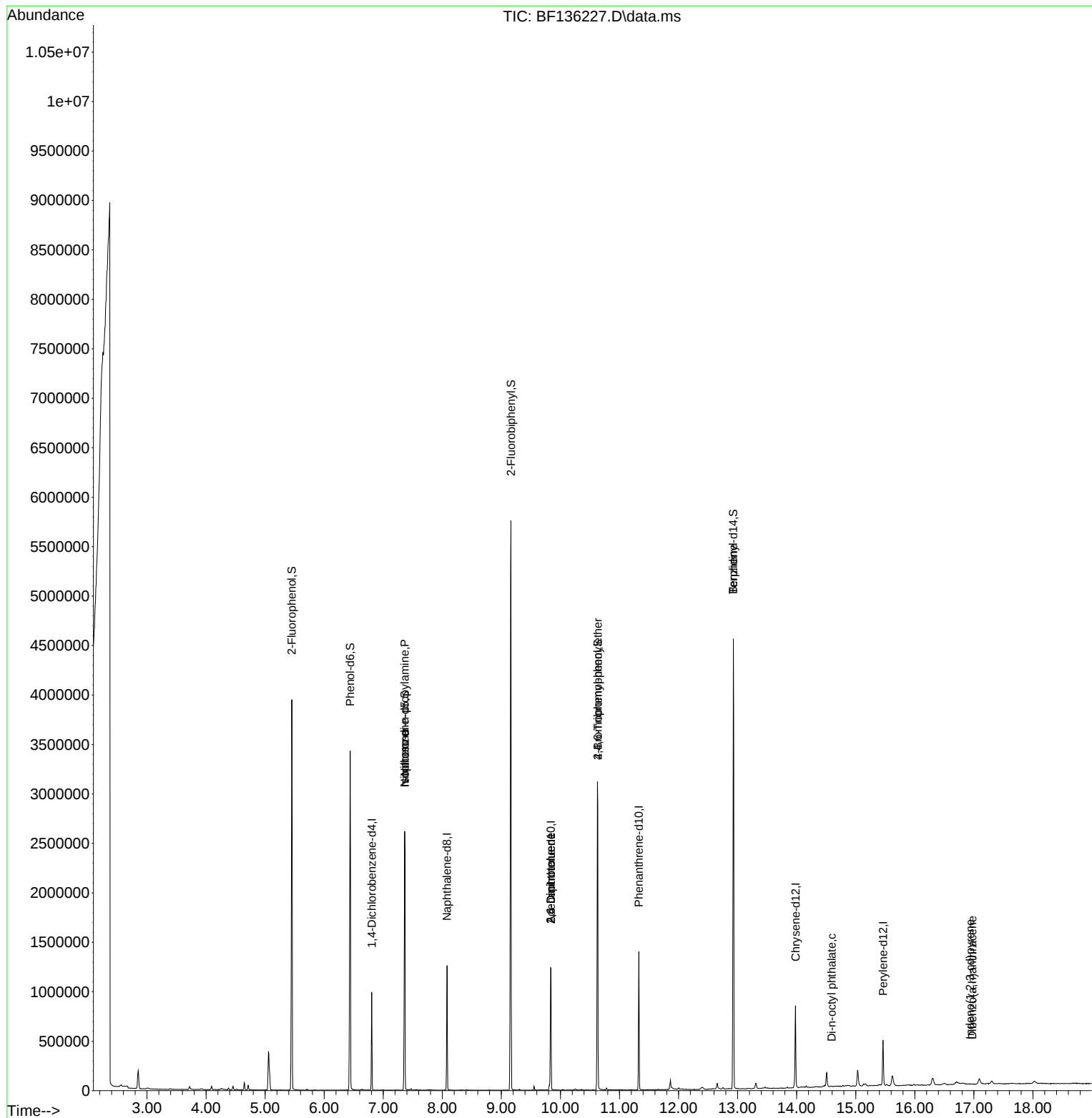
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.804	152	116934	20.000	ng	0.00
21) Naphthalene-d8	8.081	136	507724	20.000	ng	0.00
39) Acenaphthene-d10	9.839	164	260824	20.000	ng	0.00
64) Phenanthrene-d10	11.327	188	467419	20.000	ng	0.00
76) Chrysene-d12	13.980	240	233253	20.000	ng	-0.01
86) Perylene-d12	15.463	264	205158	20.000	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.451	112	1101118	131.065	ng	0.01
7) Phenol-d6	6.440	99	1242519	118.282	ng	0.00
23) Nitrobenzene-d5	7.363	82	917884	95.532	ng	-0.01
42) 2,4,6-Tribromophenol	10.633	330	437310	137.140	ng	0.00
45) 2-Fluorobiphenyl	9.163	172	1860363	91.105	ng	0.00
79) Terphenyl-d14	12.927	244	1707670	84.448	ng	0.00
Target Compounds						Qvalue
19) n-Nitroso-di-n-propyla...	7.363	70	122832	19.551	ng	# 77
25) Isophorone	7.363	82	917867	52.980	ng	# 68
51) 2,6-Dinitrotoluene	9.839	165	31290	7.769	ng	# 24
57) 2,4-Dinitrotoluene	9.839	165	31290	5.816	ng	# 28
67) 4-Bromophenyl-phenylether	10.633	248	24473	4.488	ng	# 1
77) Benzidine	12.927	184	18708	4.879	ng	# 92
85) Di-n-octyl phthalate	14.592	149	850	5.211	ng	# 58
87) Indeno(1,2,3-cd)pyrene	16.939	276	2511	2.834	ng	# 76
91) Dibenzo(a,h)anthracene	16.974	278	1860	2.856	ng	# 87

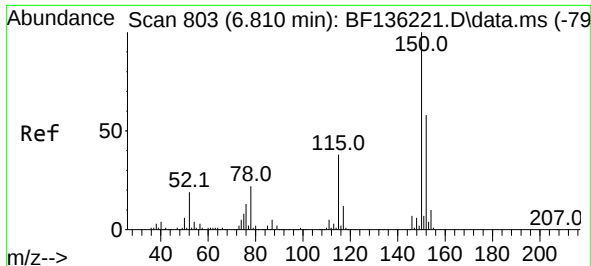
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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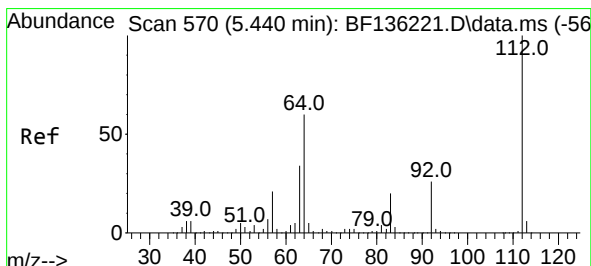
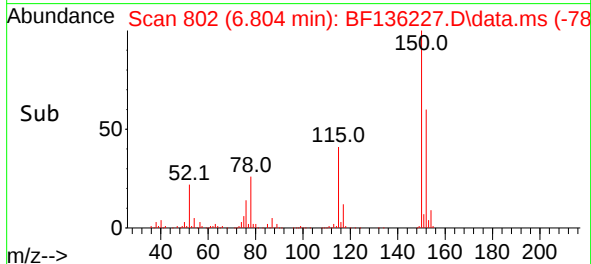
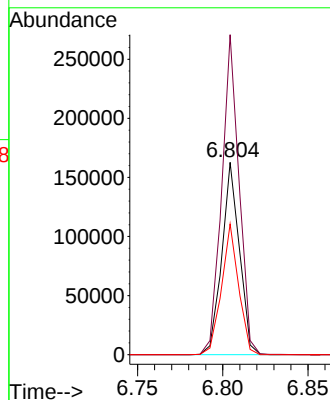
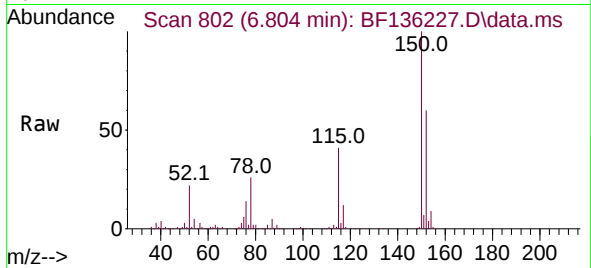




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.804 min Scan# 803
Delta R.T. -0.006 min
Lab File: BF136227.D
Acq: 27 Nov 2023 17:48

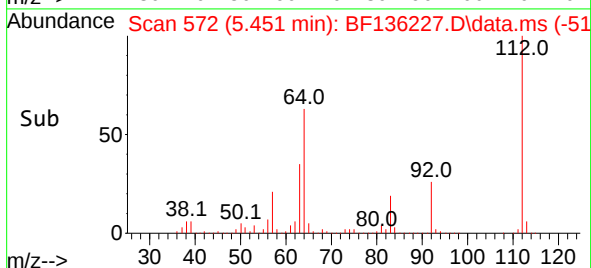
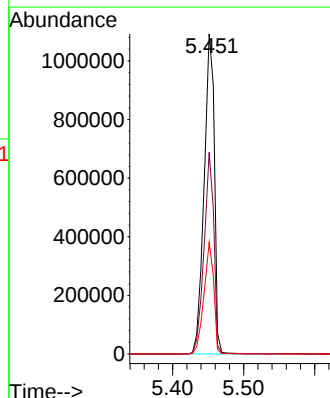
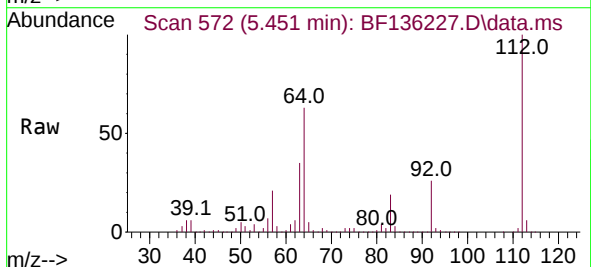
Instrument :
BNA_F
ClientSampleId :
TP-9

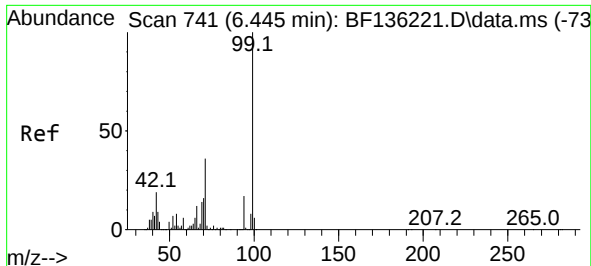
Tgt Ion:152 Resp: 116934
Ion Ratio Lower Upper
152 100
150 166.4 137.8 206.8
115 68.0 52.7 79.1



#5
2-Fluorophenol
Concen: 131.065 ng
RT: 5.451 min Scan# 572
Delta R.T. 0.012 min
Lab File: BF136227.D
Acq: 27 Nov 2023 17:48

Tgt Ion:112 Resp: 1101118
Ion Ratio Lower Upper
112 100
64 63.0 48.2 72.4
63 34.9 27.0 40.6

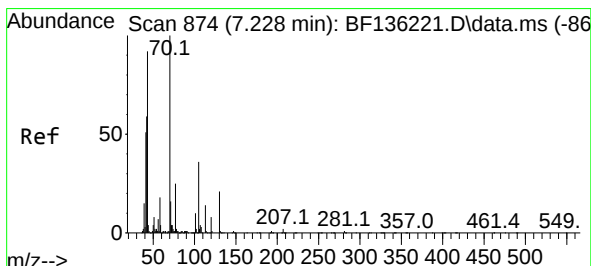
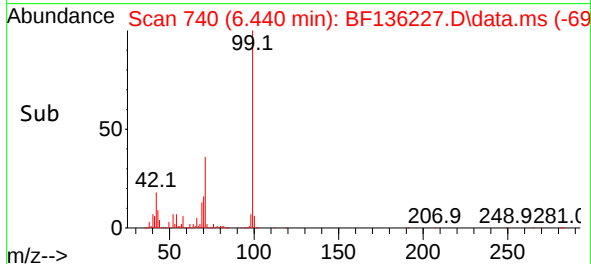
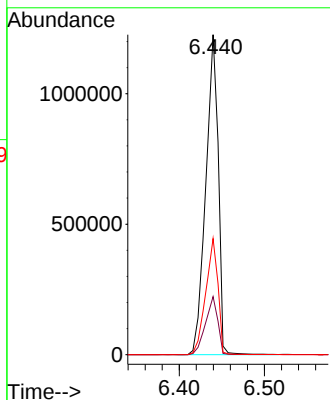
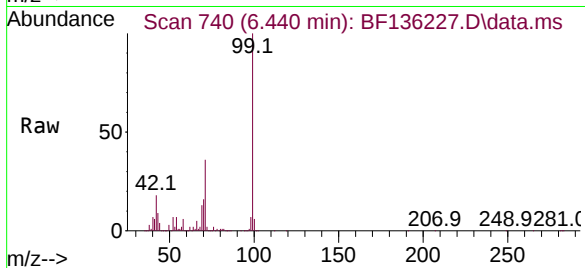




#7
Phenol-d6
Concen: 118.282 ng
RT: 6.440 min Scan# 741
Delta R.T. -0.006 min
Lab File: BF136227.D
Acq: 27 Nov 2023 17:48

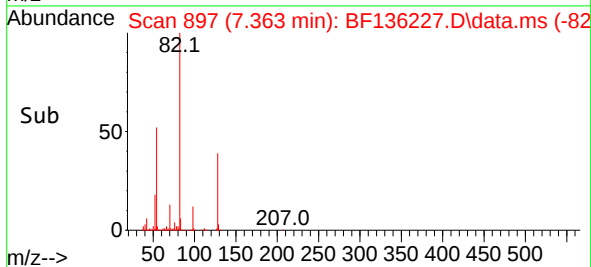
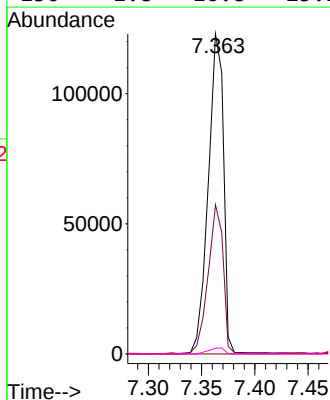
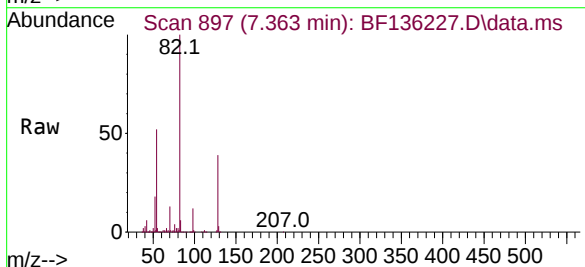
Instrument :
BNA_F
ClientSampleId :
TP-9

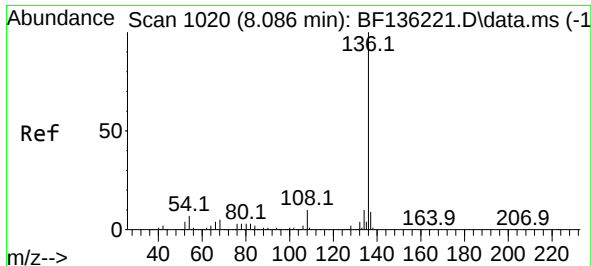
Tgt Ion: 99 Resp: 1242519
Ion Ratio Lower Upper
99 100
42 18.2 15.0 22.6
71 36.3 28.9 43.3



#19
n-Nitroso-di-n-propylamine
Concen: 19.551 ng
RT: 7.363 min Scan# 897
Delta R.T. 0.135 min
Lab File: BF136227.D
Acq: 27 Nov 2023 17:48

Tgt Ion: 70 Resp: 122832
Ion Ratio Lower Upper
70 100
42 46.6 47.0 70.4#
101 0.0 7.8 11.8#
130 1.8 16.8 25.2#

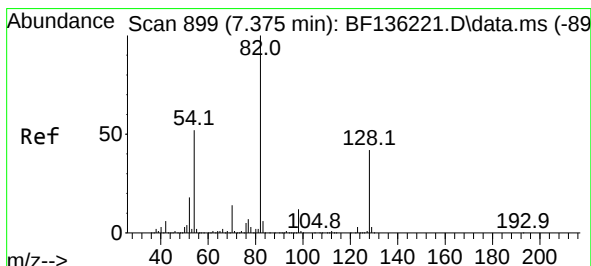
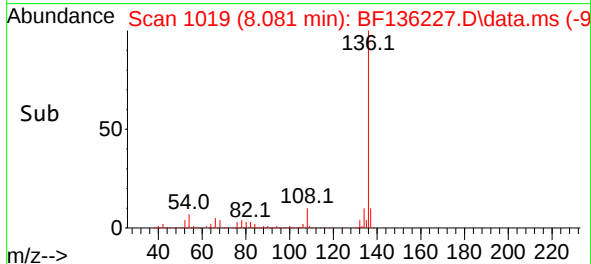
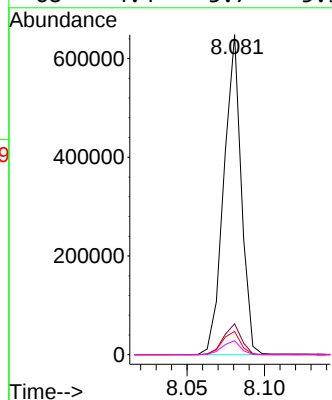
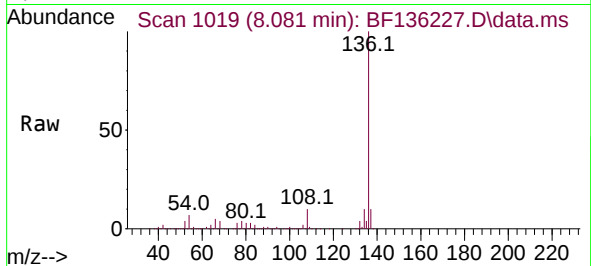




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.081 min Scan# 1019
Delta R.T. -0.006 min
Lab File: BF136227.D
Acq: 27 Nov 2023 17:48

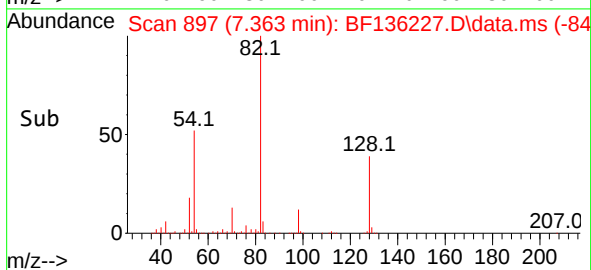
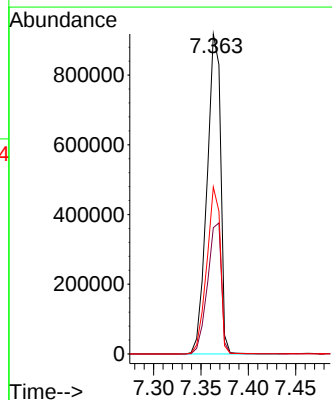
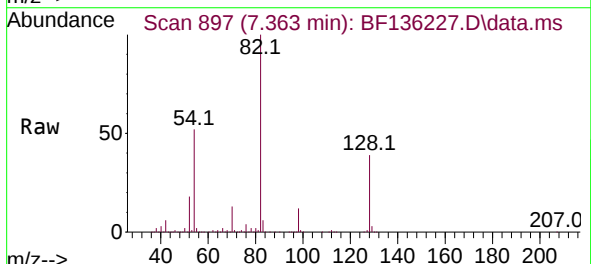
Instrument :
BNA_F
ClientSampleId :
TP-9

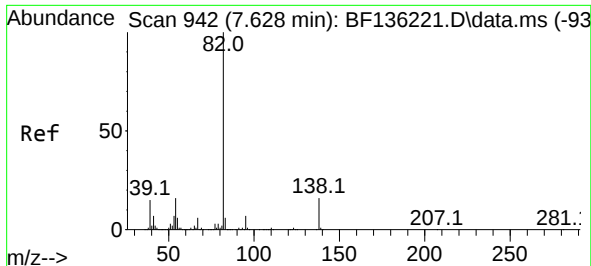
Tgt Ion:136 Resp: 507724
Ion Ratio Lower Upper
136 100
137 9.7 7.4 11.2
54 7.2 5.5 8.3
68 4.4 3.7 5.5



#23
Nitrobenzene-d5
Concen: 95.532 ng
RT: 7.363 min Scan# 897
Delta R.T. -0.012 min
Lab File: BF136227.D
Acq: 27 Nov 2023 17:48

Tgt Ion: 82 Resp: 917884
Ion Ratio Lower Upper
82 100
128 39.4 33.4 50.2
54 52.2 41.7 62.5

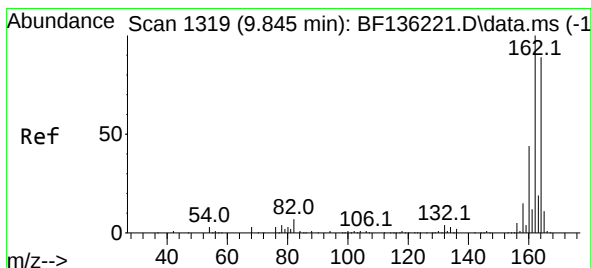
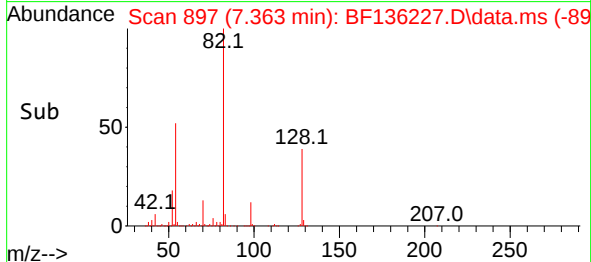
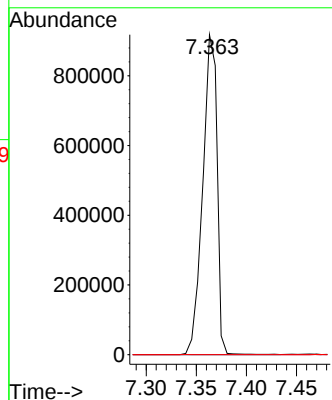
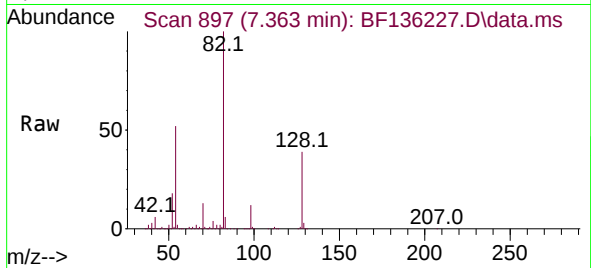




#25
Isophorone
Concen: 52.980 ng
RT: 7.363 min Scan# 897
Delta R.T. -0.265 min
Lab File: BF136227.D
Acq: 27 Nov 2023 17:48

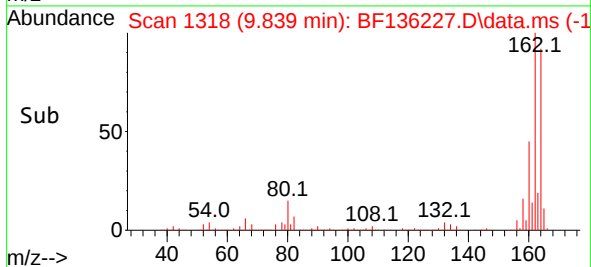
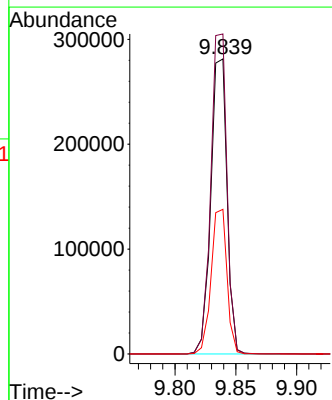
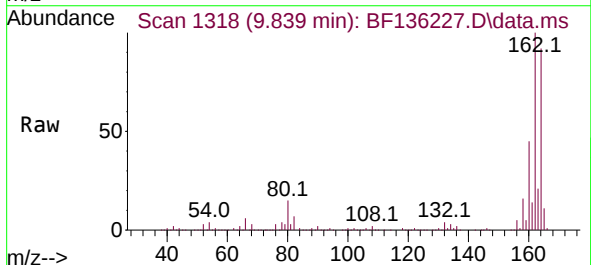
Instrument :
BNA_F
ClientSampleId :
TP-9

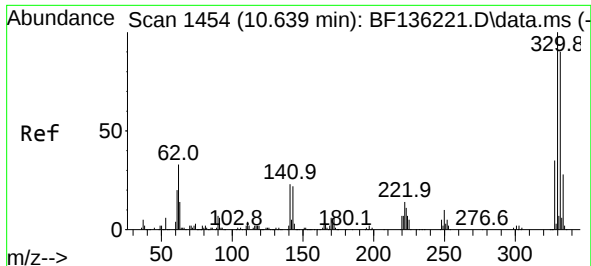
Tgt Ion: 82 Resp: 917867
Ion Ratio Lower Upper
82 100
95 0.0 5.5 8.3#
138 0.0 12.8 19.2#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.839 min Scan# 1318
Delta R.T. -0.006 min
Lab File: BF136227.D
Acq: 27 Nov 2023 17:48

Tgt Ion: 164 Resp: 260824
Ion Ratio Lower Upper
164 100
162 108.5 89.5 134.3
160 49.0 39.6 59.4





#42

2,4,6-Tribromophenol

Concen: 137.140 ng

RT: 10.633 min Scan# 1454

Delta R.T. -0.006 min

Lab File: BF136227.D

Acq: 27 Nov 2023 17:48

Instrument :

BNA_F

ClientSampleId :

TP-9

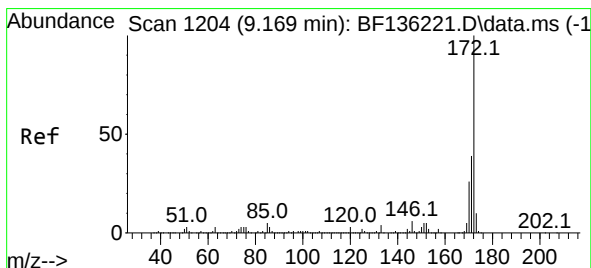
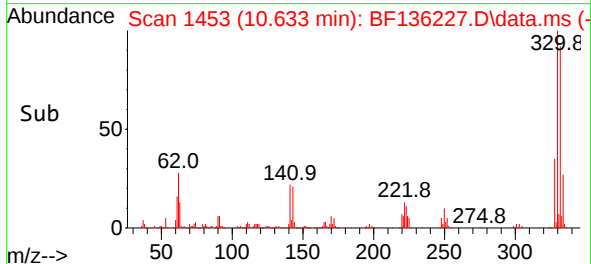
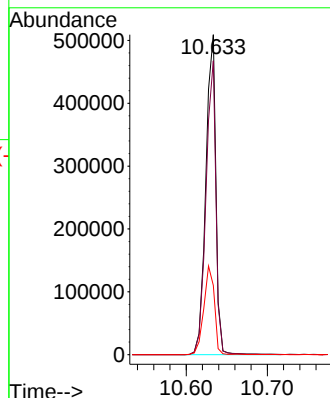
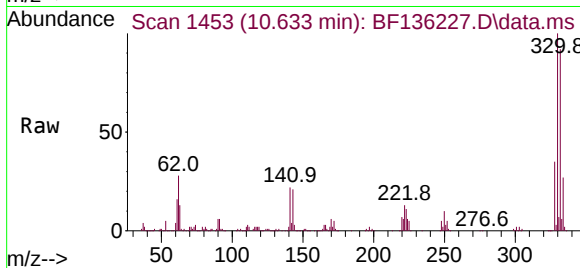
Tgt Ion:330 Resp: 437310

Ion Ratio Lower Upper

330 100

332 91.0 73.0 109.6

141 29.2 24.2 36.2



#45

2-Fluorobiphenyl

Concen: 91.105 ng

RT: 9.163 min Scan# 1203

Delta R.T. -0.006 min

Lab File: BF136227.D

Acq: 27 Nov 2023 17:48

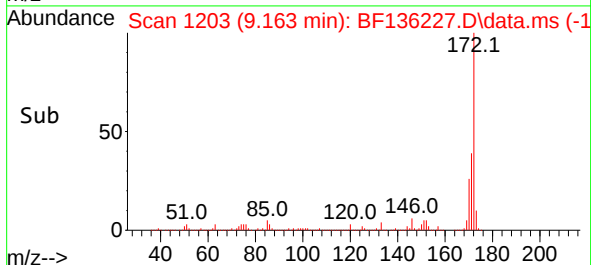
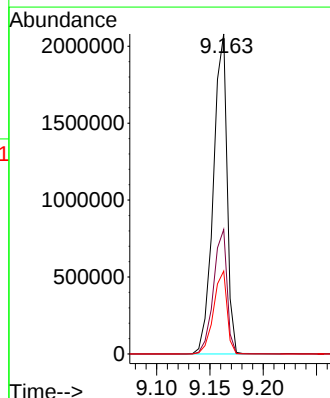
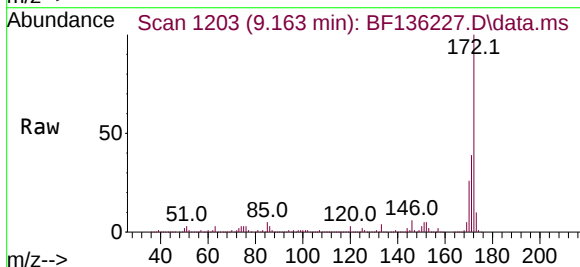
Tgt Ion:172 Resp: 1860363

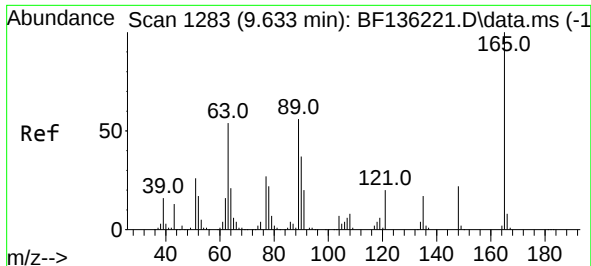
Ion Ratio Lower Upper

172 100

171 38.9 31.5 47.3

170 25.9 20.8 31.2





#51

2,6-Dinitrotoluene

Concen: 7.769 ng

RT: 9.839 min Scan# 1318

Delta R.T. 0.206 min

Lab File: BF136227.D

Acq: 27 Nov 2023 17:48

Instrument :

BNA_F

ClientSampleId :

TP-9

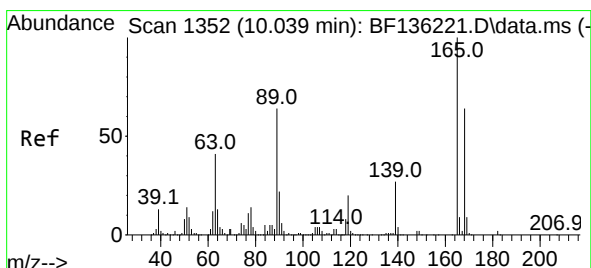
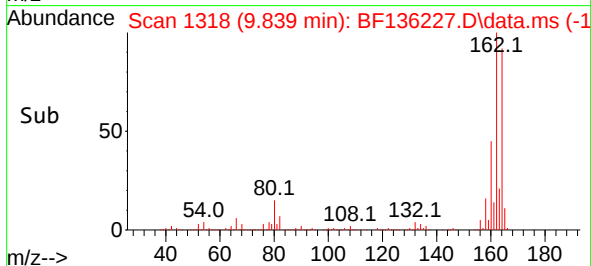
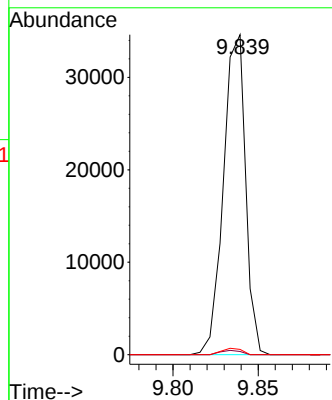
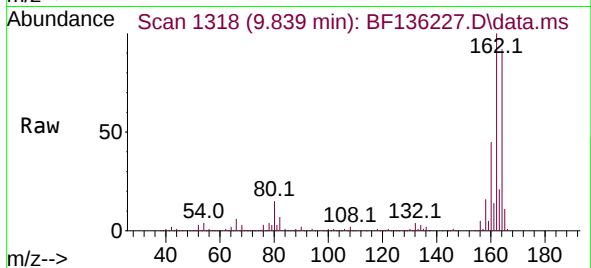
Tgt Ion:165 Resp: 31290

Ion Ratio Lower Upper

165 100

63 1.0 46.2 69.2#

89 1.7 44.9 67.3#



#57

2,4-Dinitrotoluene

Concen: 5.816 ng

RT: 9.839 min Scan# 1318

Delta R.T. -0.200 min

Lab File: BF136227.D

Acq: 27 Nov 2023 17:48

Tgt Ion:165 Resp: 31290

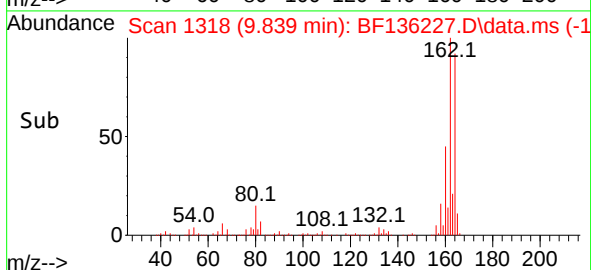
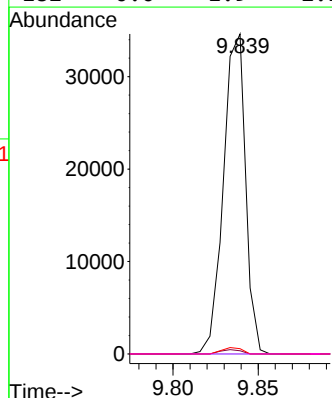
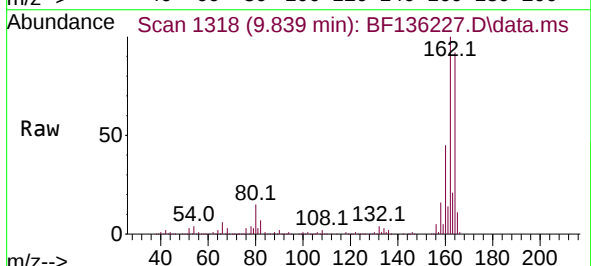
Ion Ratio Lower Upper

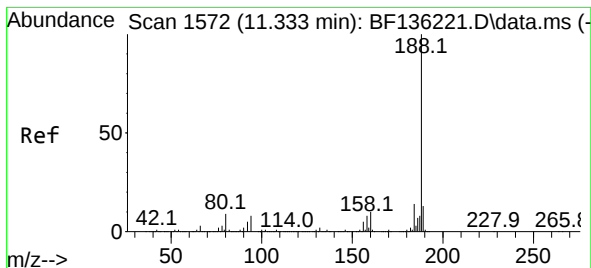
165 100

63 1.0 33.0 49.4#

89 1.7 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: BF136227.D

Acq: 27 Nov 2023 17:48

Instrument :

BNA_F

ClientSampleId :

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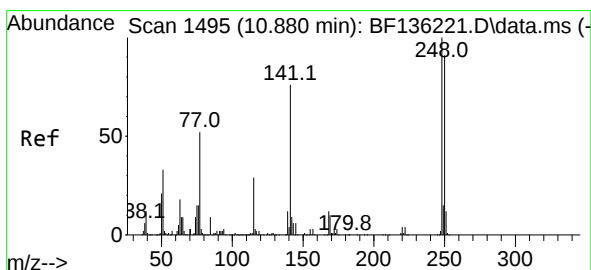
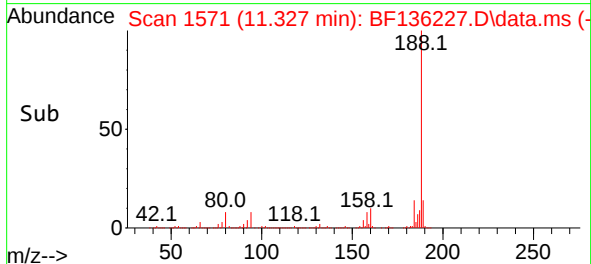
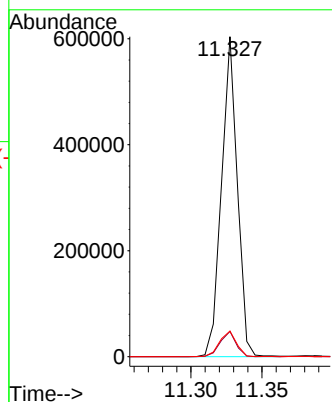
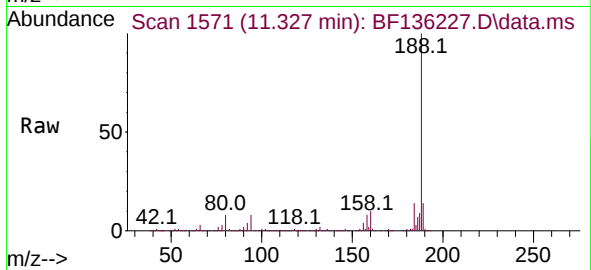
Tgt Ion:188 Resp: 467419

Ion Ratio Lower Upper

188 100

94 7.9 6.7 10.1

80 8.0 7.2 10.8



#67

4-Bromophenyl-phenylether

Concen: 4.488 ng

RT: 10.633 min Scan# 1453

Delta R.T. -0.247 min

Lab File: BF136227.D

Acq: 27 Nov 2023 17:48

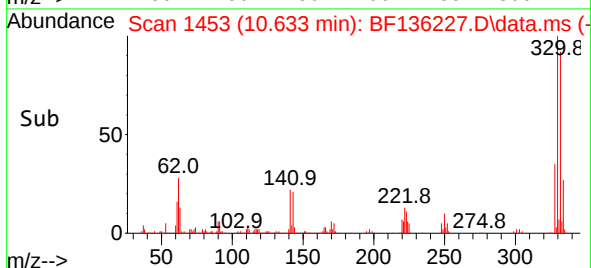
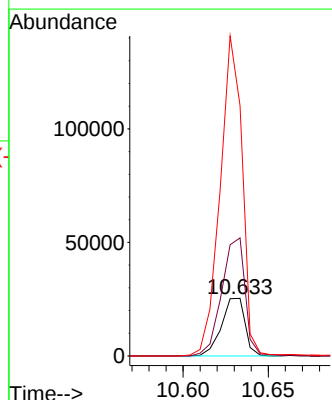
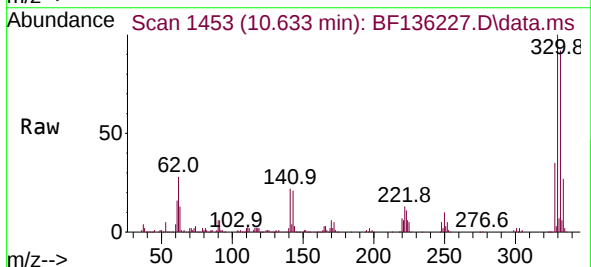
Tgt Ion:248 Resp: 24473

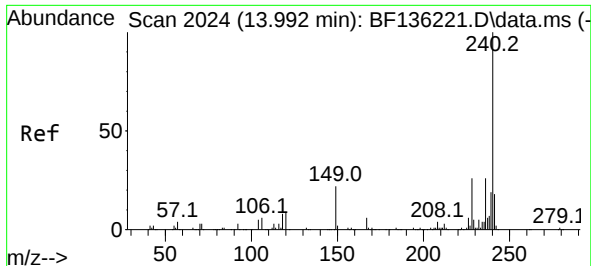
Ion Ratio Lower Upper

248 100

250 205.2 72.5 108.7#

141 435.0 60.8 91.2#

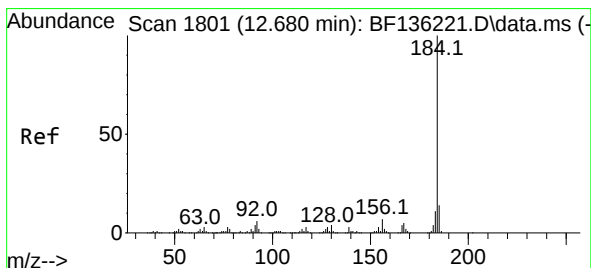
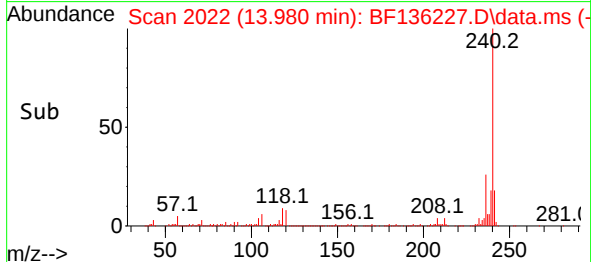
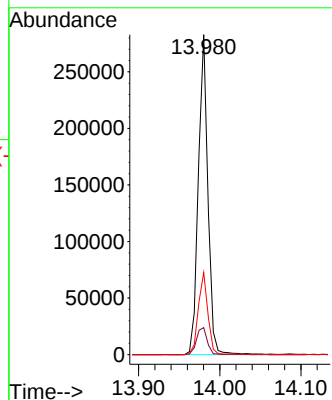
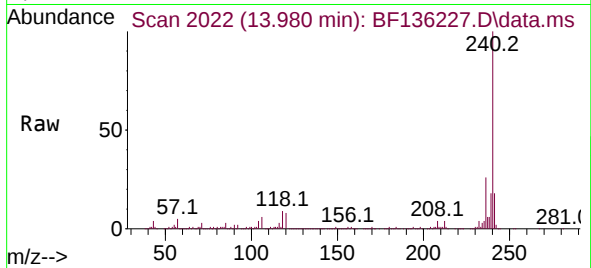




#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.980 min Scan# 20
Delta R.T. -0.012 min
Lab File: BF136227.D
Acq: 27 Nov 2023 17:48

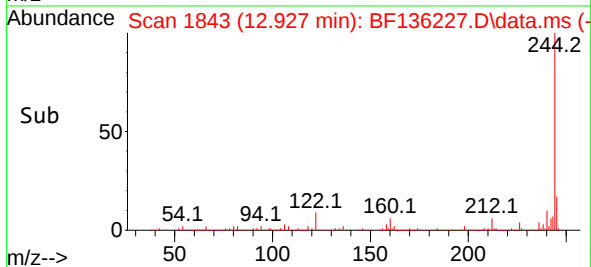
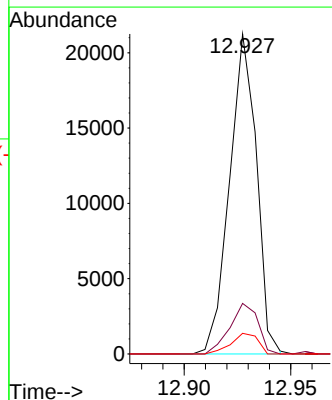
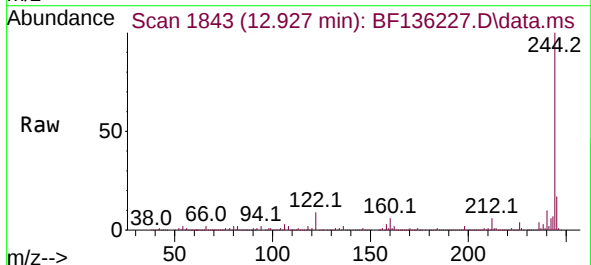
Instrument :
BNA_F
ClientSampleId :
TP-9

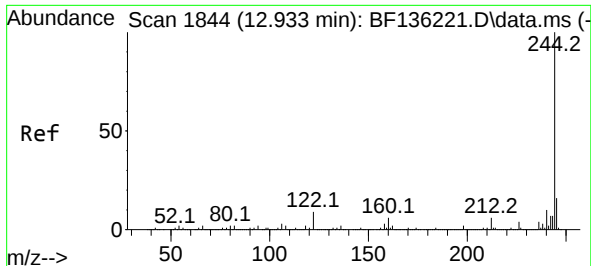
Tgt Ion:240 Resp: 233253
Ion Ratio Lower Upper
240 100
120 8.5 7.4 11.2
236 25.7 21.1 31.7



#77
Benzidine
Concen: 4.879 ng
RT: 12.927 min Scan# 1843
Delta R.T. 0.247 min
Lab File: BF136227.D
Acq: 27 Nov 2023 17:48

Tgt Ion:184 Resp: 18708
Ion Ratio Lower Upper
184 100
185 15.8 11.0 16.6
183 6.4 9.0 13.4#

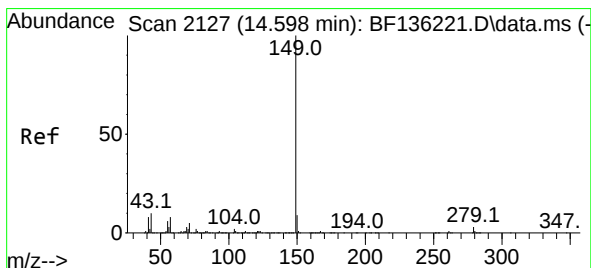
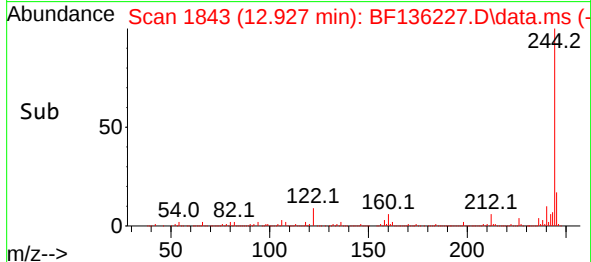
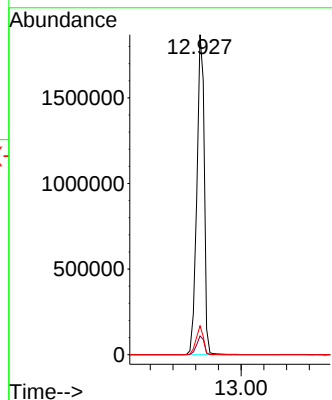
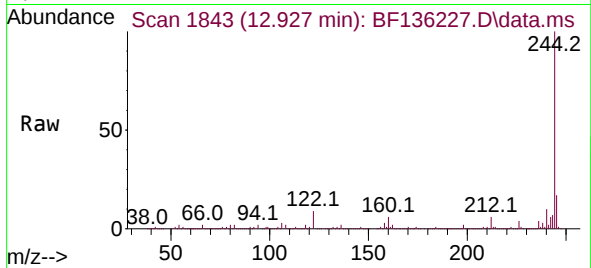




#79
 Terphenyl-d14
 Concen: 84.448 ng
 RT: 12.927 min Scan# 1843
 Delta R.T. -0.006 min
 Lab File: BF136227.D
 Acq: 27 Nov 2023 17:48

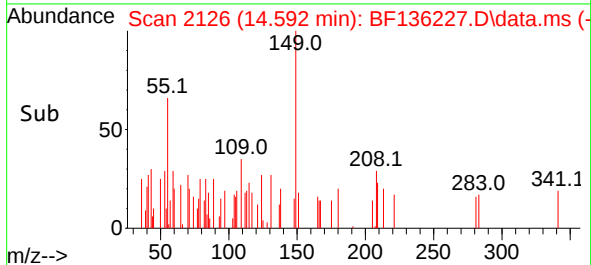
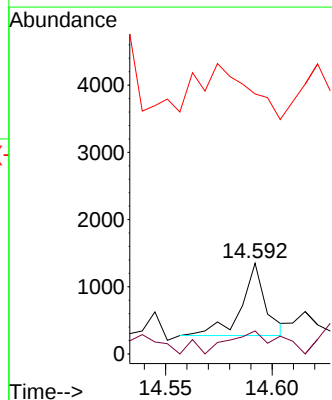
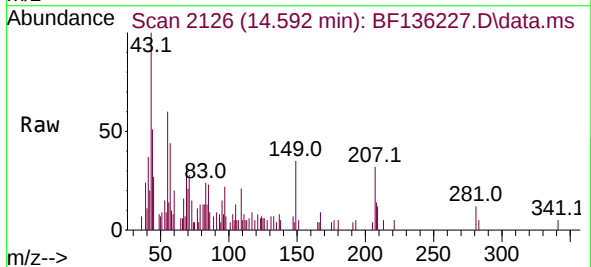
Instrument :
 BNA_F
 ClientSampleId :
 TP-9

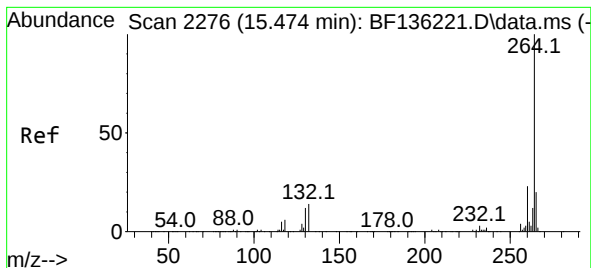
Tgt Ion:244 Resp: 1707670
 Ion Ratio Lower Upper
 244 100
 212 5.8 4.6 7.0
 122 9.0 7.3 10.9



#85
 Di-n-octyl phthalate
 Concen: 5.211 ng
 RT: 14.592 min Scan# 2126
 Delta R.T. -0.006 min
 Lab File: BF136227.D
 Acq: 27 Nov 2023 17:48

Tgt Ion:149 Resp: 850
 Ion Ratio Lower Upper
 149 100
 167 66.0 1.0 1.6#
 43 0.0 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: BF136227.D

Acq: 27 Nov 2023 17:48

Instrument :

BNA_F

ClientSampleId :

TP-9

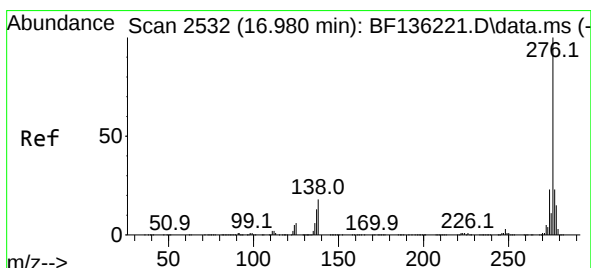
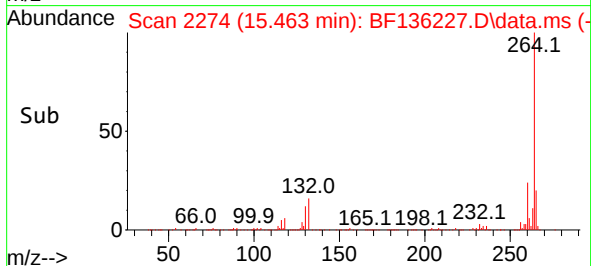
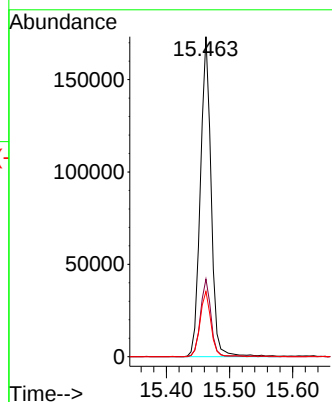
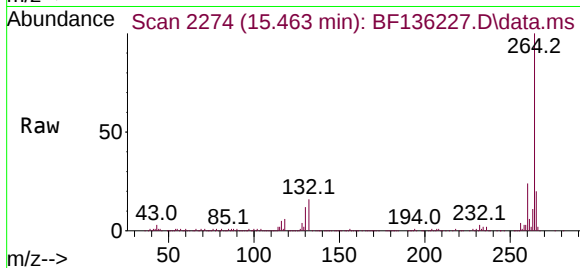
Tgt Ion:264 Resp: 205158

Ion Ratio Lower Upper

264 100

260 24.3 18.6 27.8

265 20.4 15.7 23.5



#87

Indeno(1,2,3-cd)pyrene

Concen: 2.834 ng

RT: 16.939 min Scan# 2525

Delta R.T. -0.041 min

Lab File: BF136227.D

Acq: 27 Nov 2023 17:48

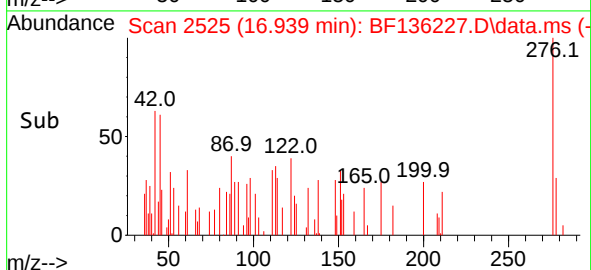
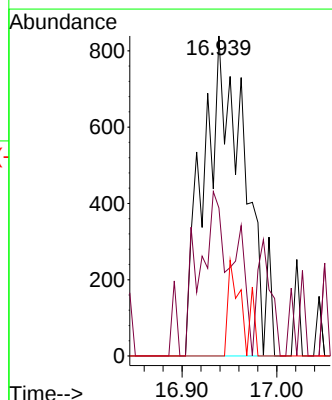
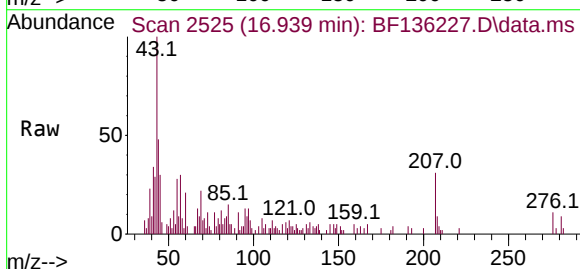
Tgt Ion:276 Resp: 2511

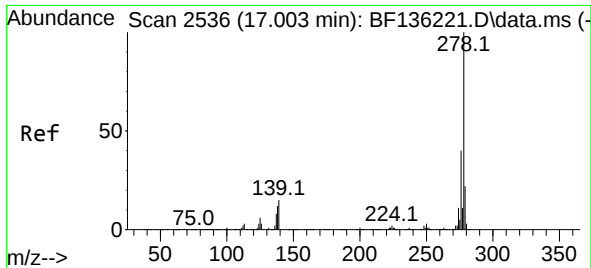
Ion Ratio Lower Upper

276 100

138 31.9 17.7 26.5#

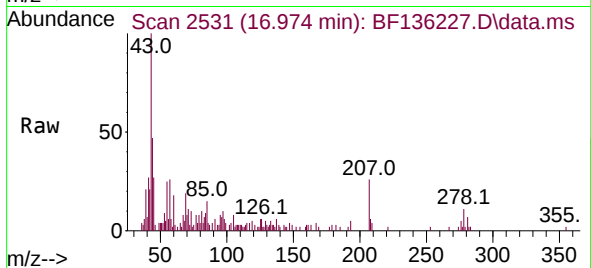
277 10.6 19.6 29.4#





#91
 Dibenzo(a,h)anthracene
 Concen: 2.856 ng
 RT: 16.974 min Scan# 21
 Delta R.T. -0.029 min
 Lab File: BF136227.D
 Acq: 27 Nov 2023 17:48

Instrument :
 BNA_F
 ClientSampleId :
 TP-9



Tgt Ion:278 Resp: 1860
 Ion Ratio Lower Upper
 278 100
 139 27.4 11.7 17.5#
 279 21.7 17.8 26.8

