

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF112723\
 Data File : BF136231.D
 Acq On : 27 Nov 2023 19:57
 Operator : CG\JU
 Sample : 05468-12
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TP-11

Quant Time: Nov 28 04:10:30 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)

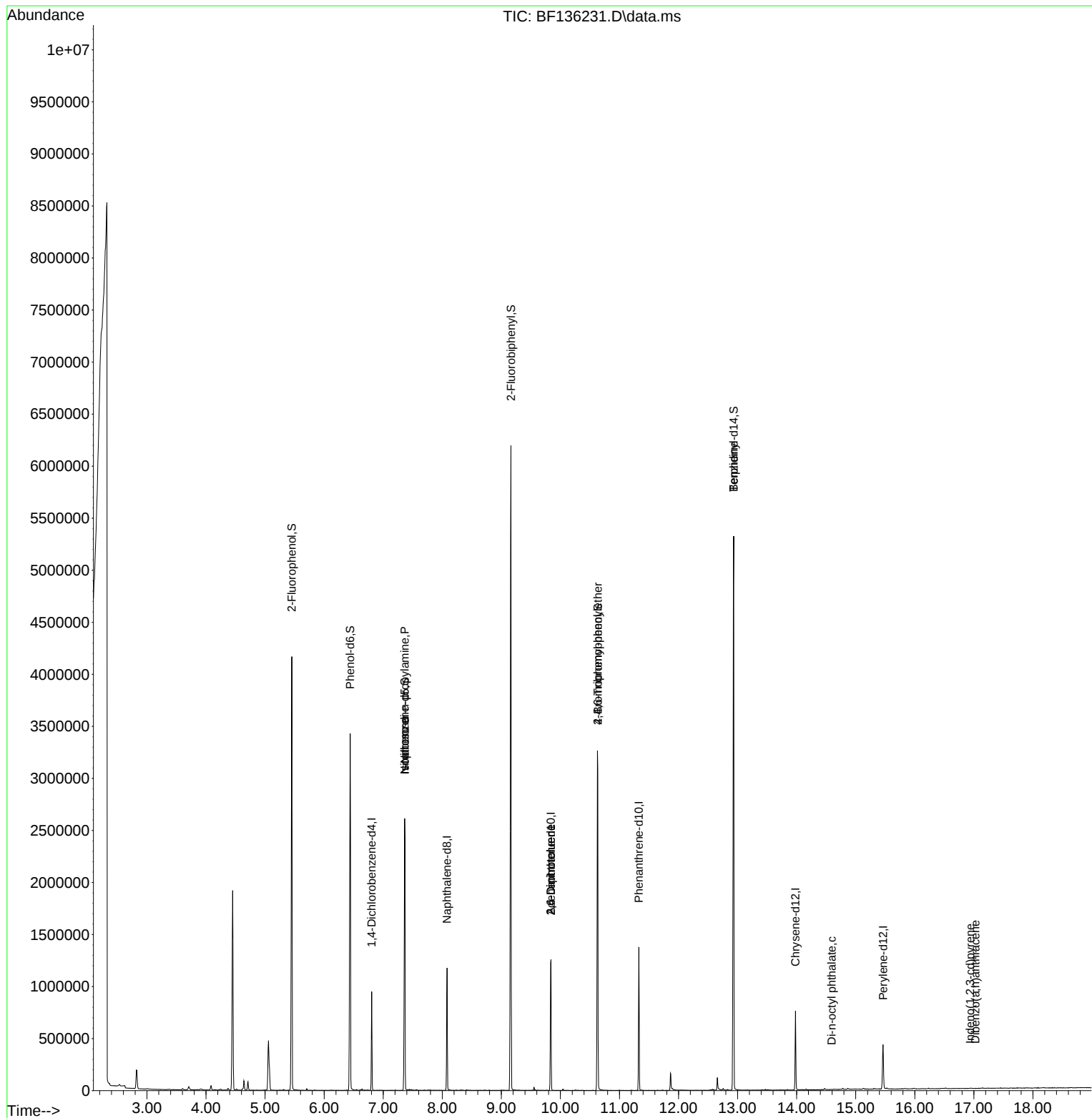
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.804	152	119034	20.000	ng	0.00
21) Naphthalene-d8	8.081	136	505666	20.000	ng	0.00
39) Acenaphthene-d10	9.839	164	256642	20.000	ng	0.00
64) Phenanthrene-d10	11.328	188	464691	20.000	ng	0.00
76) Chrysene-d12	13.980	240	232855	20.000	ng	-0.01
86) Perylene-d12	15.463	264	205506	20.000	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.451	112	1140571	133.366	ng	0.01
7) Phenol-d6	6.440	99	1313446	122.828	ng	0.00
23) Nitrobenzene-d5	7.363	82	947893	99.057	ng	-0.01
42) 2,4,6-Tribromophenol	10.633	330	468366	149.272	ng	0.00
45) 2-Fluorobiphenyl	9.163	172	1980331	98.561	ng	0.00
79) Terphenyl-d14	12.933	244	2045168	101.311	ng	0.00
Target Compounds						
						Qvalue
19) n-Nitroso-di-n-propyla...	7.363	70	126225	19.736	ng	# 76
25) Isophorone	7.363	82	947875	54.935	ng	# 68
51) 2,6-Dinitrotoluene	9.839	165	30513	7.700	ng	# 24
57) 2,4-Dinitrotoluene	9.839	165	30513	5.764	ng	# 27
67) 4-Bromophenyl-phenylether	10.633	248	25583	4.719	ng	# 1
77) Benzidine	12.933	184	22091	5.771	ng	# 92
85) Di-n-octyl phthalate	14.592	149	270	5.178	ng	# 78
87) Indeno(1,2,3-cd)pyrene	16.939	276	1967	2.800	ng	# 85
91) Dibenzo(a,h)anthracene	17.027	278	56	2.718	ng	# 58

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

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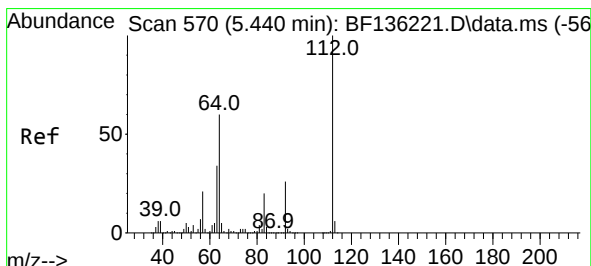
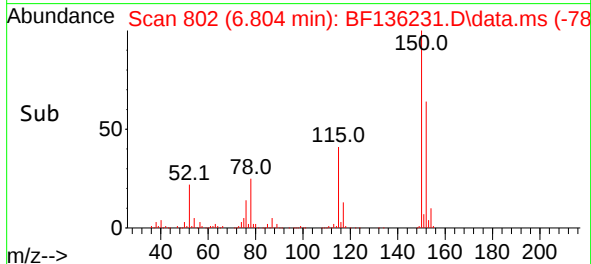
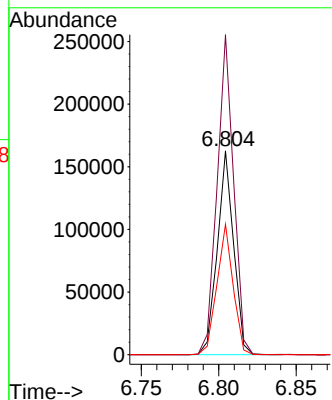
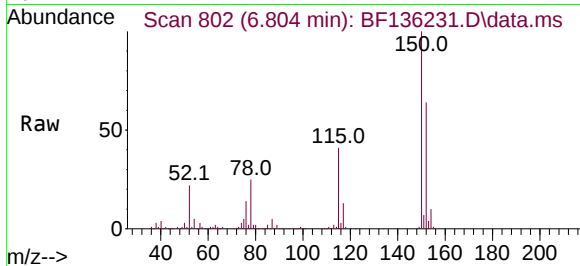




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.804 min Scan# 803
Delta R.T. -0.006 min
Lab File: BF136231.D
Acq: 27 Nov 2023 19:57

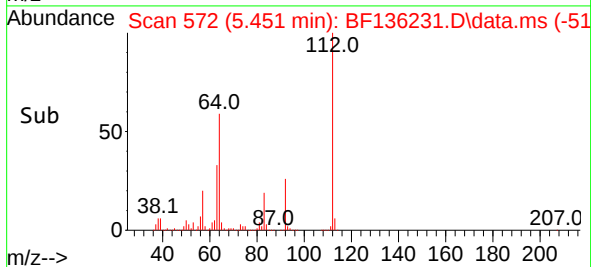
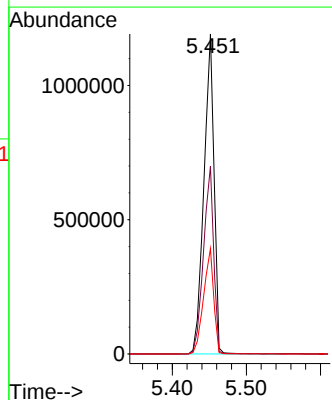
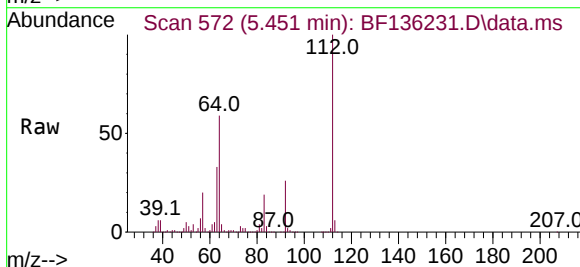
Instrument :
BNA_F
ClientSampleId :
TP-11

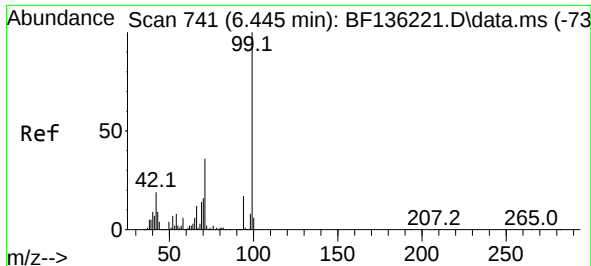
Tgt Ion:152 Resp: 119034
Ion Ratio Lower Upper
152 100
150 156.9 137.8 206.8
115 64.0 52.7 79.1



#5
2-Fluorophenol
Concen: 133.366 ng
RT: 5.451 min Scan# 572
Delta R.T. 0.012 min
Lab File: BF136231.D
Acq: 27 Nov 2023 19:57

Tgt Ion:112 Resp: 1140571
Ion Ratio Lower Upper
112 100
64 58.7 48.2 72.4
63 32.9 27.0 40.6

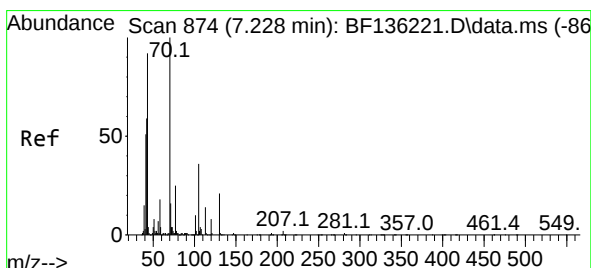
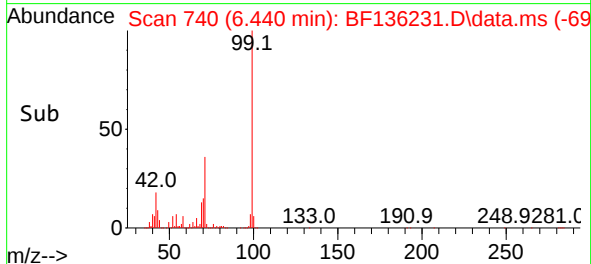
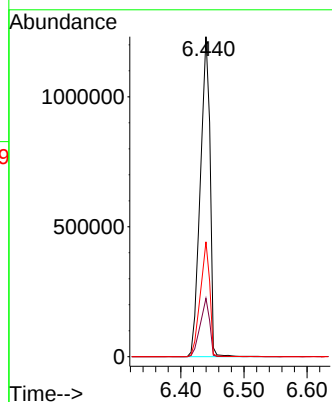
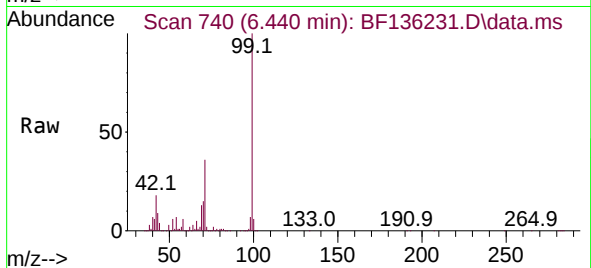




#7
Phenol-d6
Concen: 122.828 ng
RT: 6.440 min Scan# 741
Delta R.T. -0.006 min
Lab File: BF136231.D
Acq: 27 Nov 2023 19:57

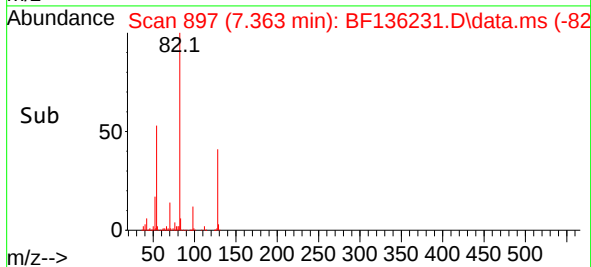
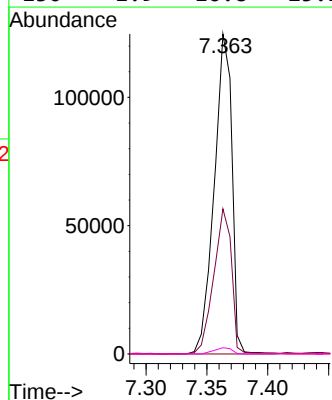
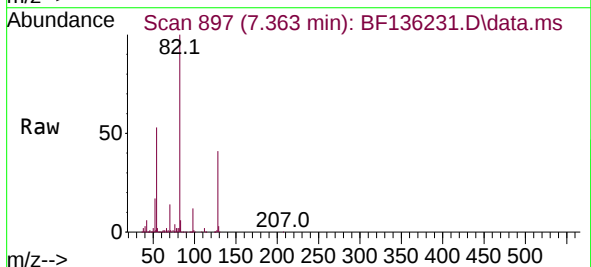
Instrument :
BNA_F
ClientSampleId :
TP-11

Tgt Ion: 99 Resp: 1313446
Ion Ratio Lower Upper
99 100
42 18.2 15.0 22.6
71 35.9 28.9 43.3



#19
n-Nitroso-di-n-propylamine
Concen: 19.736 ng
RT: 7.363 min Scan# 897
Delta R.T. 0.135 min
Lab File: BF136231.D
Acq: 27 Nov 2023 19:57

Tgt Ion: 70 Resp: 126225
Ion Ratio Lower Upper
70 100
42 45.4 47.0 70.4#
101 0.0 7.8 11.8#
130 1.9 16.8 25.2#

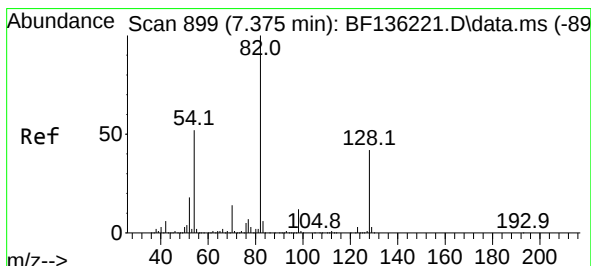
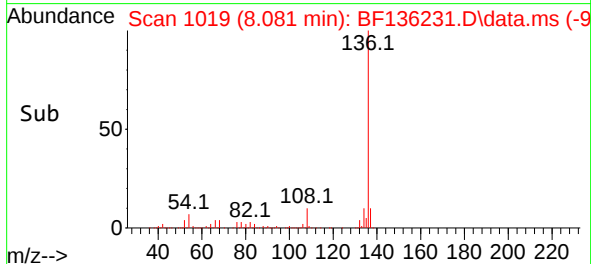
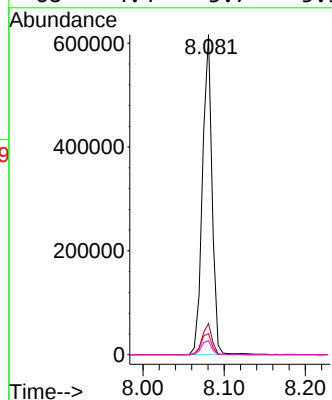
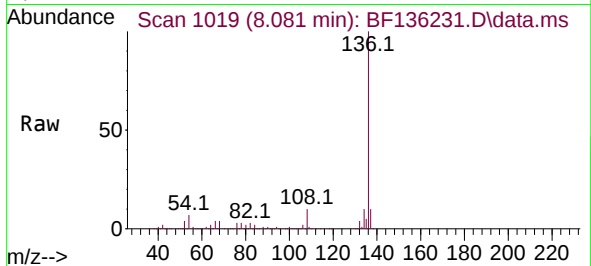




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.081 min Scan# 1019
Delta R.T. -0.006 min
Lab File: BF136231.D
Acq: 27 Nov 2023 19:57

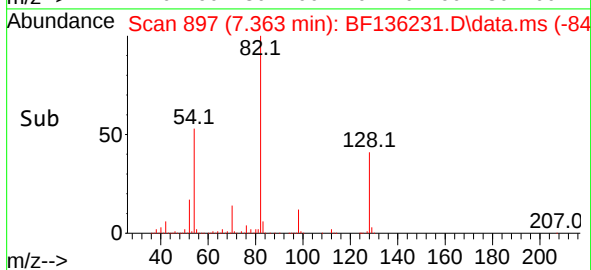
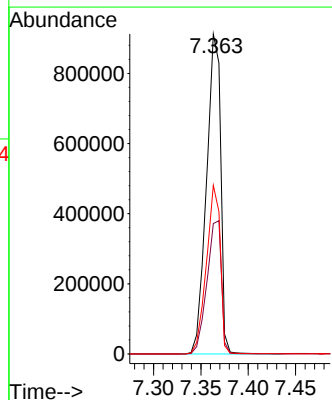
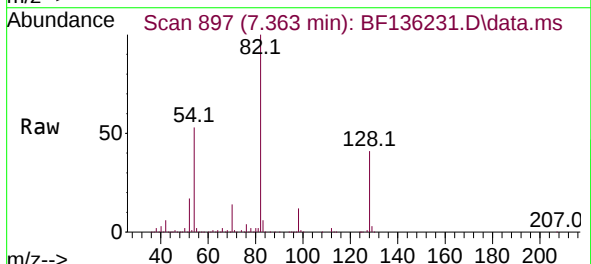
Instrument :
BNA_F
ClientSampleId :
TP-11

Tgt Ion:136 Resp: 505666
Ion Ratio Lower Upper
136 100
137 9.7 7.4 11.2
54 6.5 5.5 8.3
68 4.4 3.7 5.5



#23
Nitrobenzene-d5
Concen: 99.057 ng
RT: 7.363 min Scan# 897
Delta R.T. -0.012 min
Lab File: BF136231.D
Acq: 27 Nov 2023 19:57

Tgt Ion: 82 Resp: 947893
Ion Ratio Lower Upper
82 100
128 40.7 33.4 50.2
54 52.7 41.7 62.5

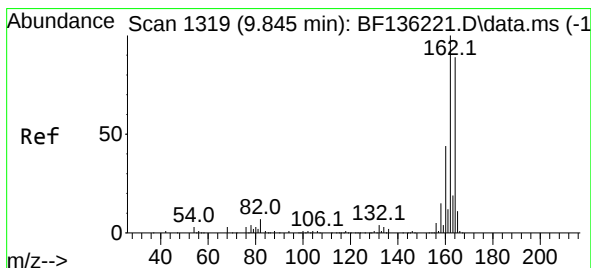
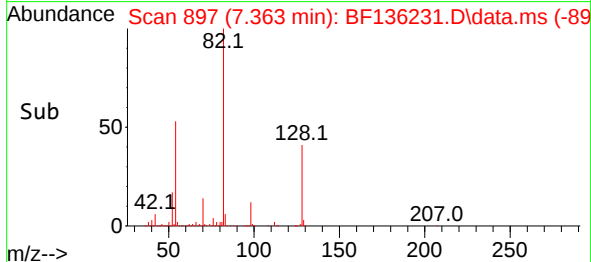
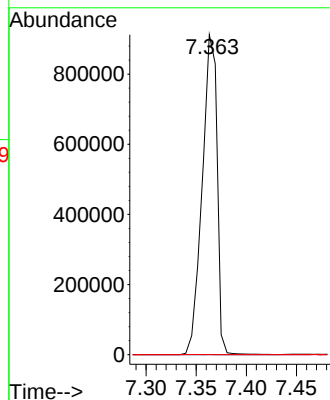
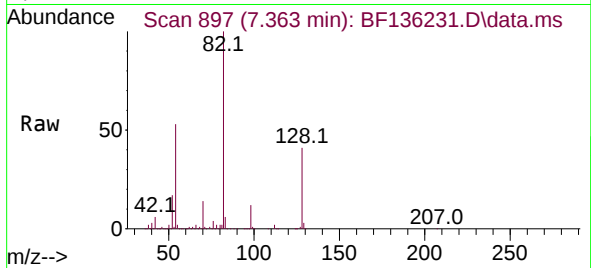




#25
Isophorone
Concen: 54.935 ng
RT: 7.363 min Scan# 897
Delta R.T. -0.265 min
Lab File: BF136231.D
Acq: 27 Nov 2023 19:57

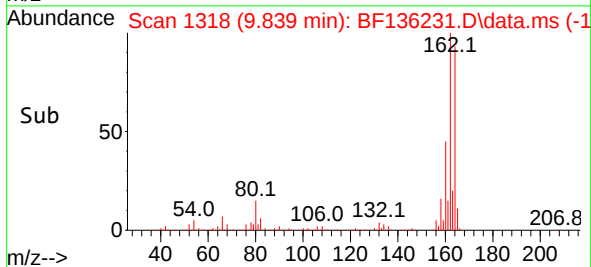
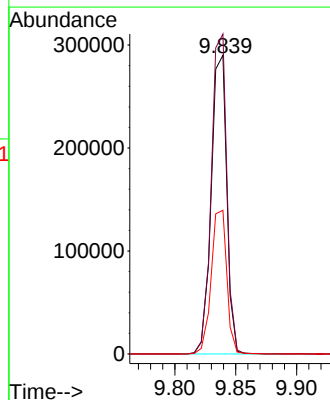
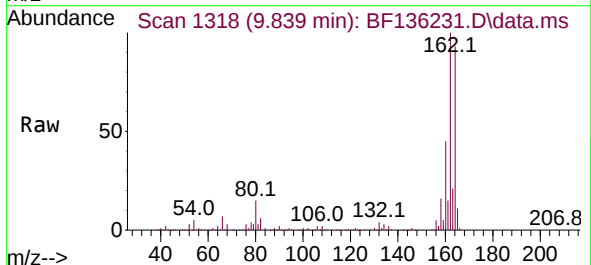
Instrument :
BNA_F
ClientSampleId :
TP-11

Tgt Ion: 82 Resp: 947875
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: BF136231.D
Acq: 27 Nov 2023 19:57

Tgt Ion:164 Resp: 256642
Ion Ratio Lower Upper
164 100
162 107.1 89.5 134.3
160 48.1 39.6 59.4

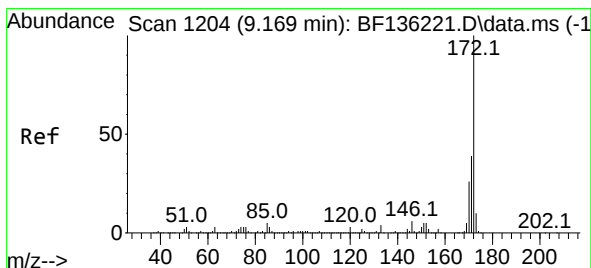
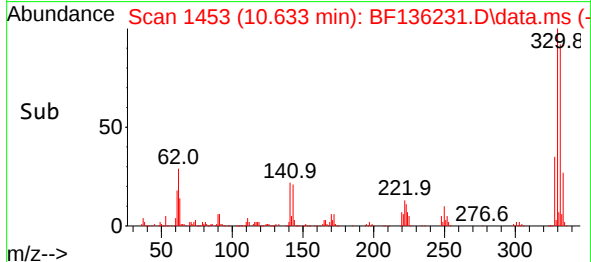
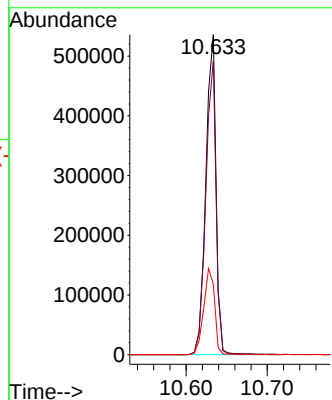
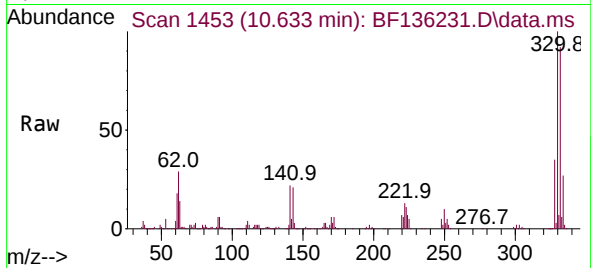




#42
2,4,6-Tribromophenol
Concen: 149.272 ng
RT: 10.633 min Scan# 1454
Delta R.T. -0.006 min
Lab File: BF136231.D
Acq: 27 Nov 2023 19:57

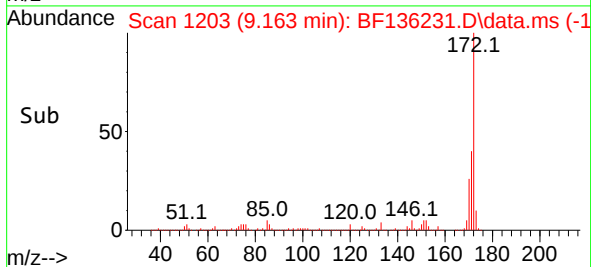
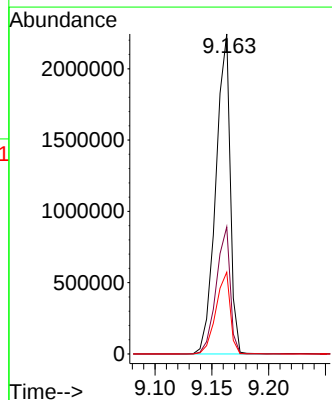
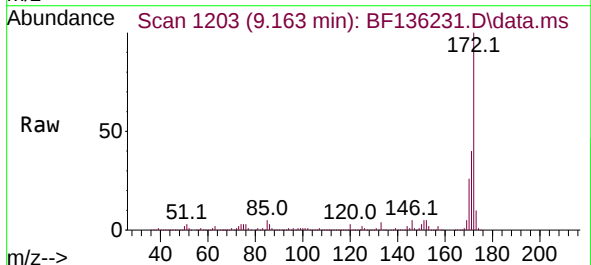
Instrument :
BNA_F
ClientSampleId :
TP-11

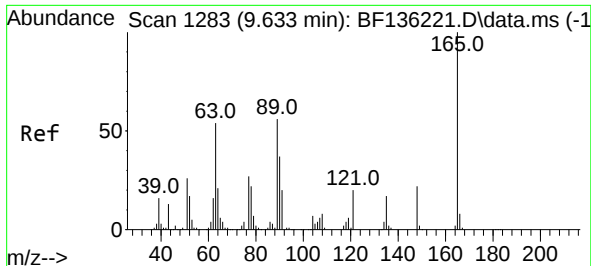
Tgt Ion: 330 Resp: 468366
Ion Ratio Lower Upper
330 100
332 92.0 73.0 109.6
141 29.0 24.2 36.2



#45
2-Fluorobiphenyl
Concen: 98.561 ng
RT: 9.163 min Scan# 1203
Delta R.T. -0.006 min
Lab File: BF136231.D
Acq: 27 Nov 2023 19:57

Tgt Ion: 172 Resp: 1980331
Ion Ratio Lower Upper
172 100
171 39.7 31.5 47.3
170 25.5 20.8 31.2





#51

2,6-Dinitrotoluene

Concen: 7.700 ng

RT: 9.839 min Scan# 11

Delta R.T. 0.206 min

Lab File: BF136231.D

Acq: 27 Nov 2023 19:57

Instrument :

BNA_F

ClientSampleId :

TP-11

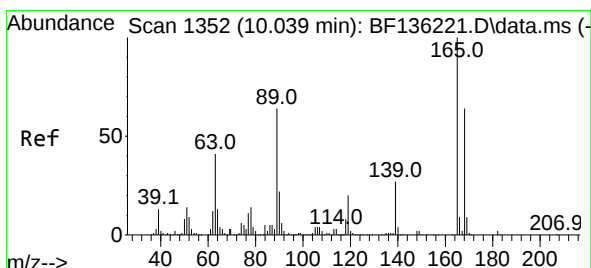
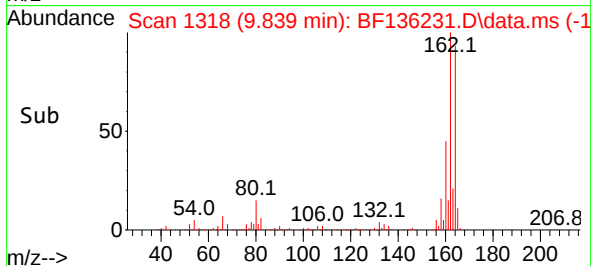
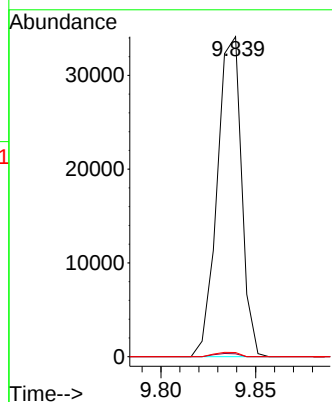
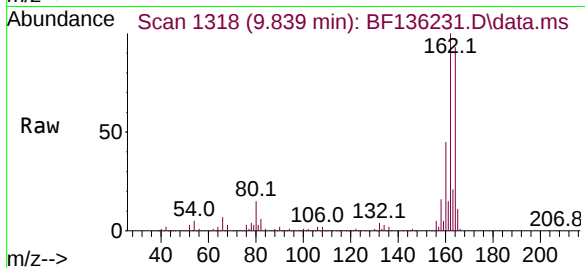
Tgt Ion:165 Resp: 30513

Ion Ratio Lower Upper

165 100

63 0.9 46.2 69.2#

89 1.3 44.9 67.3#



#57

2,4-Dinitrotoluene

Concen: 5.764 ng

RT: 9.839 min Scan# 1318

Delta R.T. -0.200 min

Lab File: BF136231.D

Acq: 27 Nov 2023 19:57

Tgt Ion:165 Resp: 30513

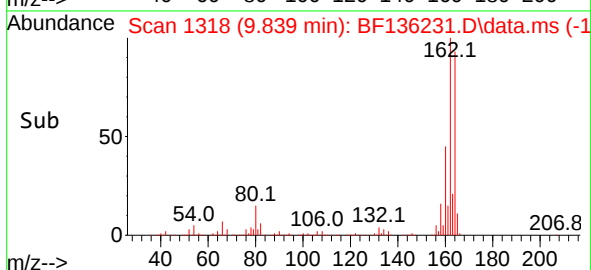
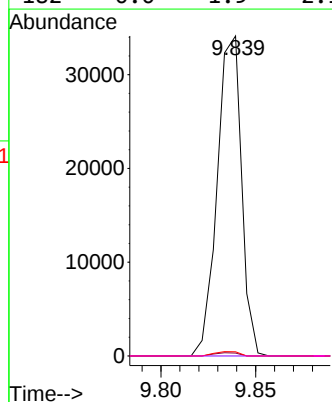
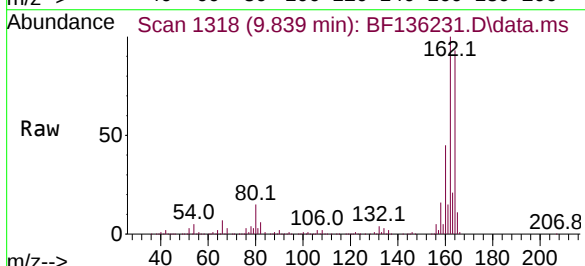
Ion Ratio Lower Upper

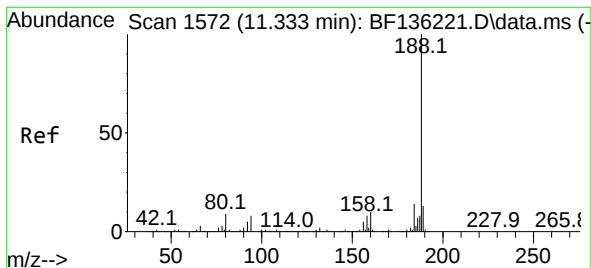
165 100

63 0.9 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: BF136231.D

Acq: 27 Nov 2023 19:57

Instrument :

BNA_F

ClientSampleId :

TP-11

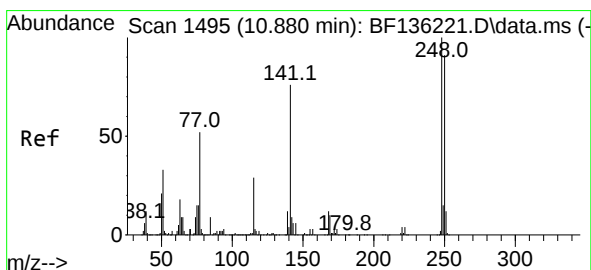
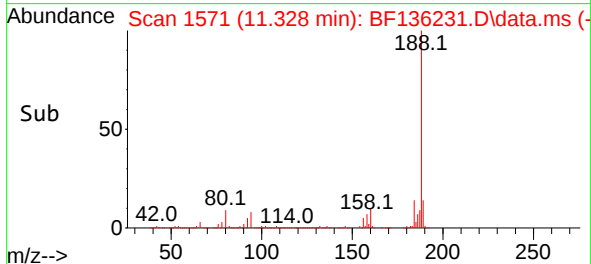
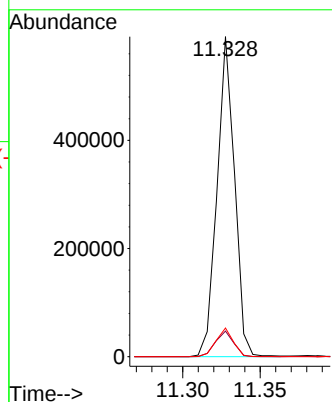
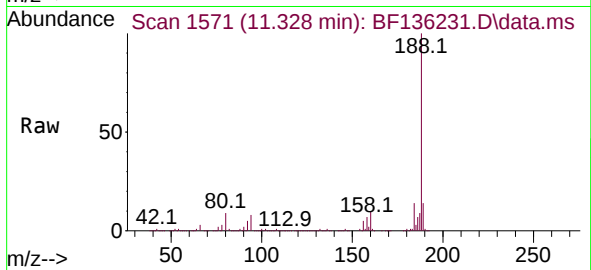
Tgt Ion:188 Resp: 464691

Ion Ratio Lower Upper

188 100

94 8.0 6.7 10.1

80 9.0 7.2 10.8



#67

4-Bromophenyl-phenylether

Concen: 4.719 ng

RT: 10.633 min Scan# 1453

Delta R.T. -0.247 min

Lab File: BF136231.D

Acq: 27 Nov 2023 19:57

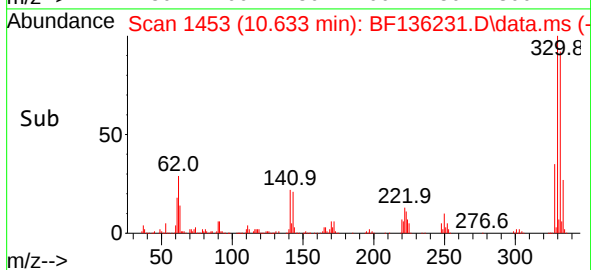
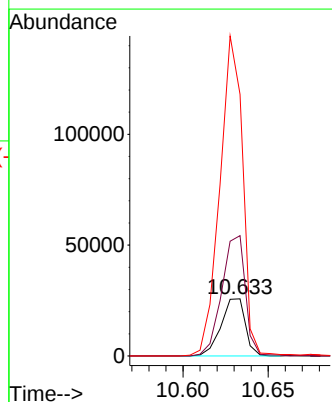
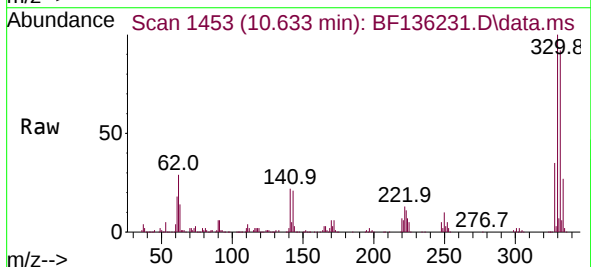
Tgt Ion:248 Resp: 25583

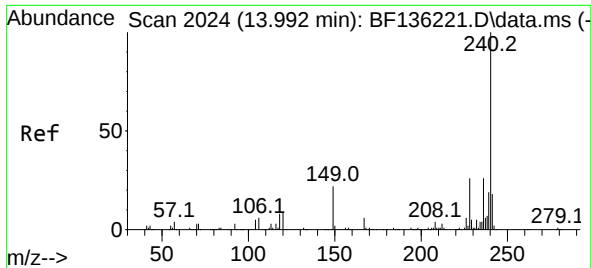
Ion Ratio Lower Upper

248 100

250 210.4 72.5 108.7#

141 457.6 60.8 91.2#

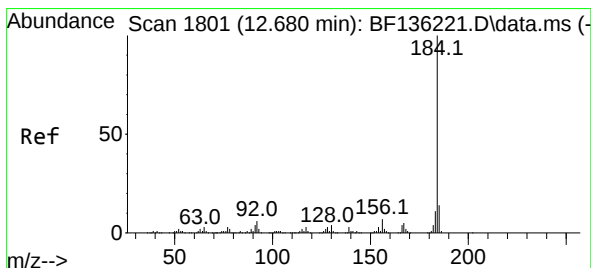
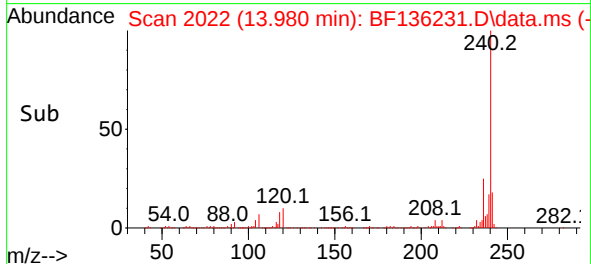
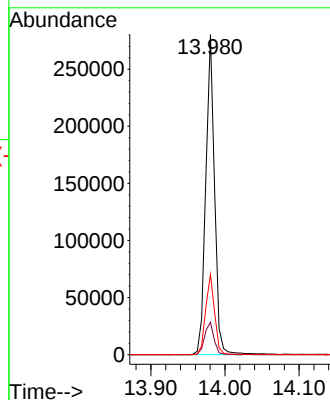
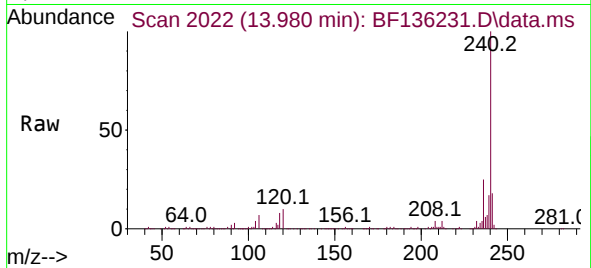




#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.980 min Scan# 20
Delta R.T. -0.012 min
Lab File: BF136231.D
Acq: 27 Nov 2023 19:57

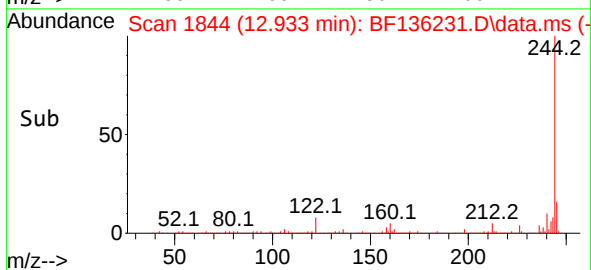
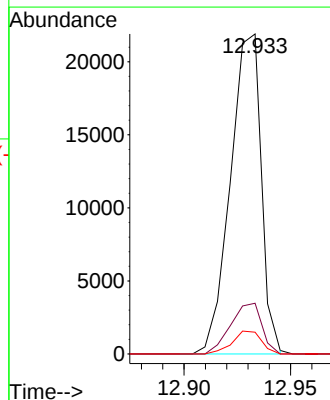
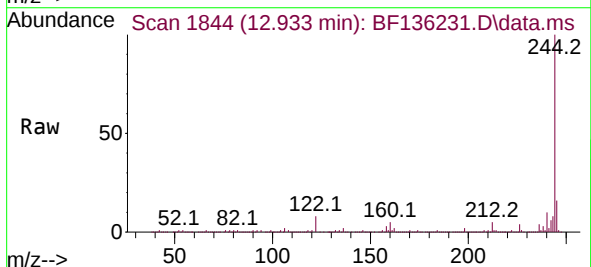
Instrument :
BNA_F
ClientSampleId :
TP-11

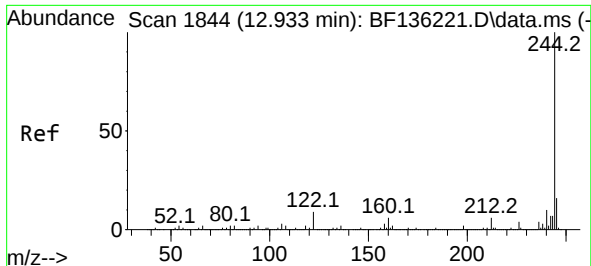
Tgt Ion:240 Resp: 232855
Ion Ratio Lower Upper
240 100
120 10.2 7.4 11.2
236 25.1 21.1 31.7



#77
Benzidine
Concen: 5.771 ng
RT: 12.933 min Scan# 1844
Delta R.T. 0.253 min
Lab File: BF136231.D
Acq: 27 Nov 2023 19:57

Tgt Ion:184 Resp: 22091
Ion Ratio Lower Upper
184 100
185 15.9 11.0 16.6
183 6.8 9.0 13.4

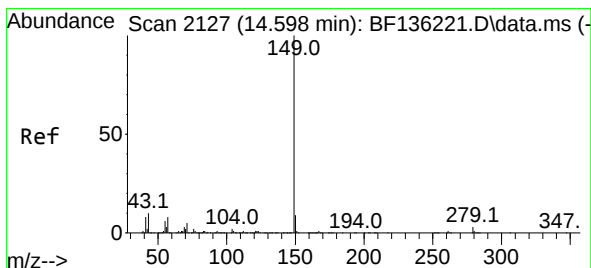
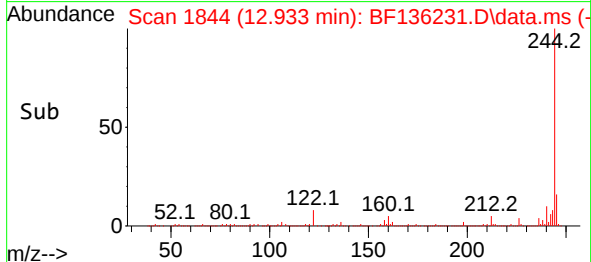
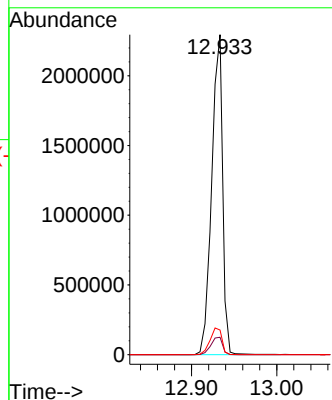
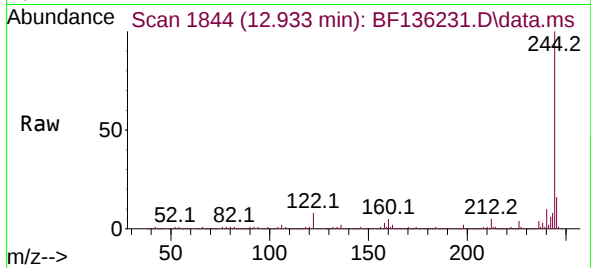




#79
 Terphenyl-d14
 Concen: 101.311 ng
 RT: 12.933 min Scan# 11
 Delta R.T. 0.000 min
 Lab File: BF136231.D
 Acq: 27 Nov 2023 19:57

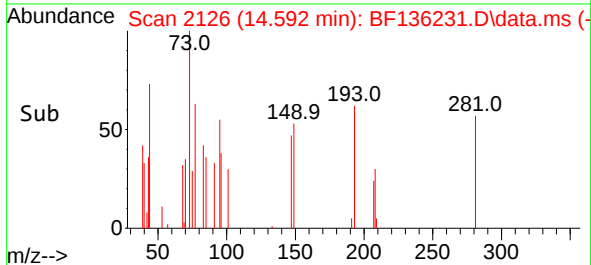
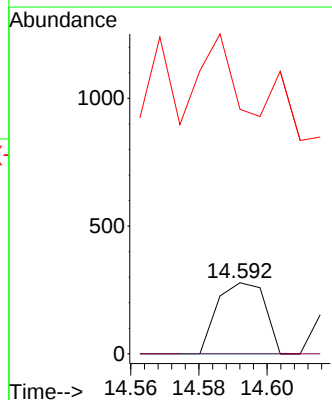
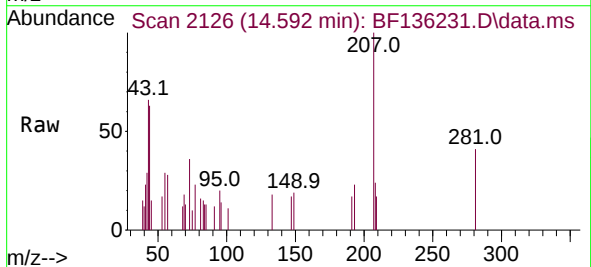
Instrument :
 BNA_F
 ClientSampleId :
 TP-11

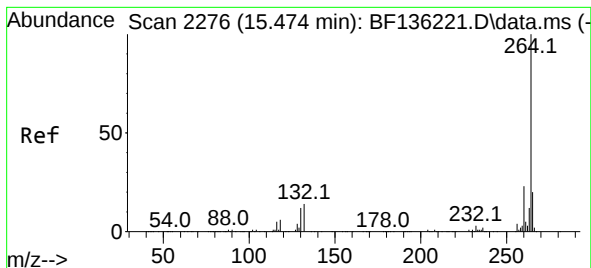
Tgt Ion:244 Resp: 2045168
 Ion Ratio Lower Upper
 244 100
 212 5.5 4.6 7.0
 122 7.7 7.3 10.9



#85
 Di-n-octyl phthalate
 Concen: 5.178 ng
 RT: 14.592 min Scan# 2126
 Delta R.T. -0.006 min
 Lab File: BF136231.D
 Acq: 27 Nov 2023 19:57

Tgt Ion:149 Resp: 270
 Ion Ratio Lower Upper
 149 100
 167 0.0 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: BF136231.D

Acq: 27 Nov 2023 19:57

Instrument :

BNA_F

ClientSampleId :

TP-11

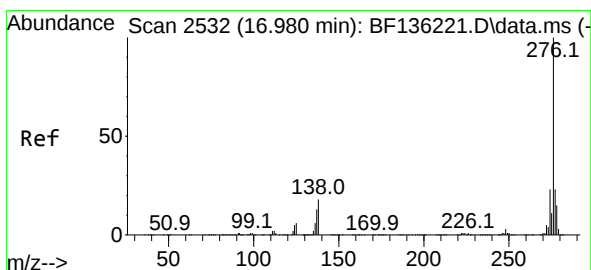
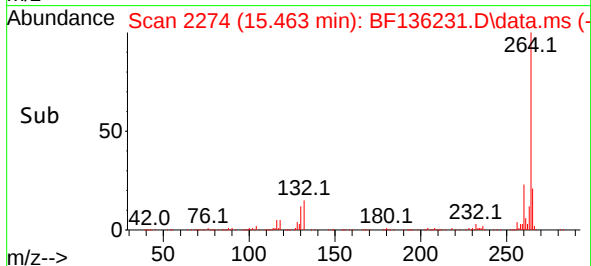
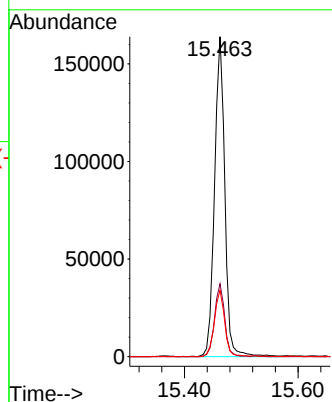
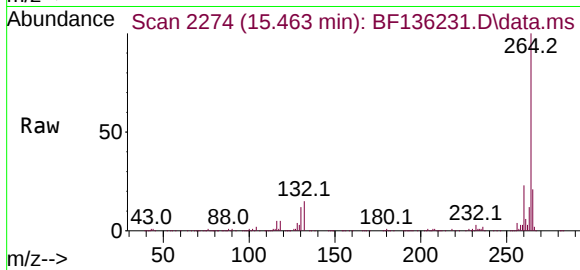
Tgt Ion:264 Resp: 205506

Ion Ratio Lower Upper

264 100

260 22.8 18.6 27.8

265 20.7 15.7 23.5



#87

Indeno(1,2,3-cd)pyrene

Concen: 2.800 ng

RT: 16.939 min Scan# 2525

Delta R.T. -0.041 min

Lab File: BF136231.D

Acq: 27 Nov 2023 19:57

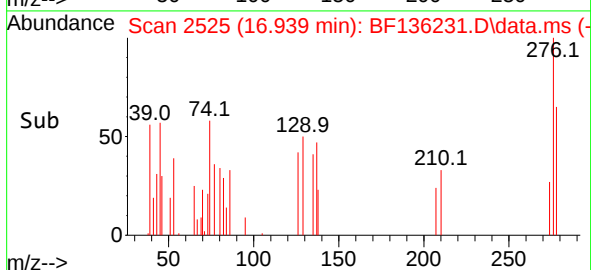
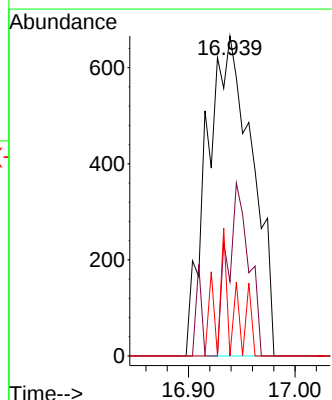
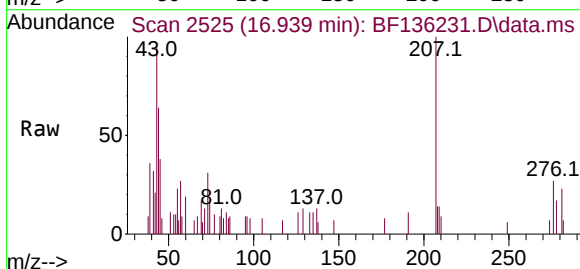
Tgt Ion:276 Resp: 1967

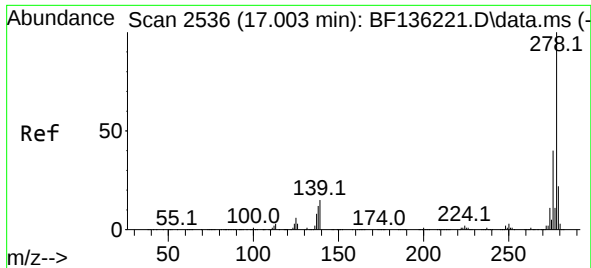
Ion Ratio Lower Upper

276 100

138 25.2 17.7 26.5

277 13.4 19.6 29.4#





#91
 Dibenzo(a,h)anthracene
 Concen: 2.718 ng
 RT: 17.027 min Scan# 21
 Delta R.T. 0.024 min
 Lab File: BF136231.D
 Acq: 27 Nov 2023 19:57

Instrument :
 BNA_F
 ClientSampleId :
 TP-11

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

