

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF120123\
 Data File : BF136360.D
 Acq On : 02 Dec 2023 04:36
 Operator : CG\JU
 Sample : 05434-11
 Misc :
 ALS Vial : 31 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Dec 02 05:55:21 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)

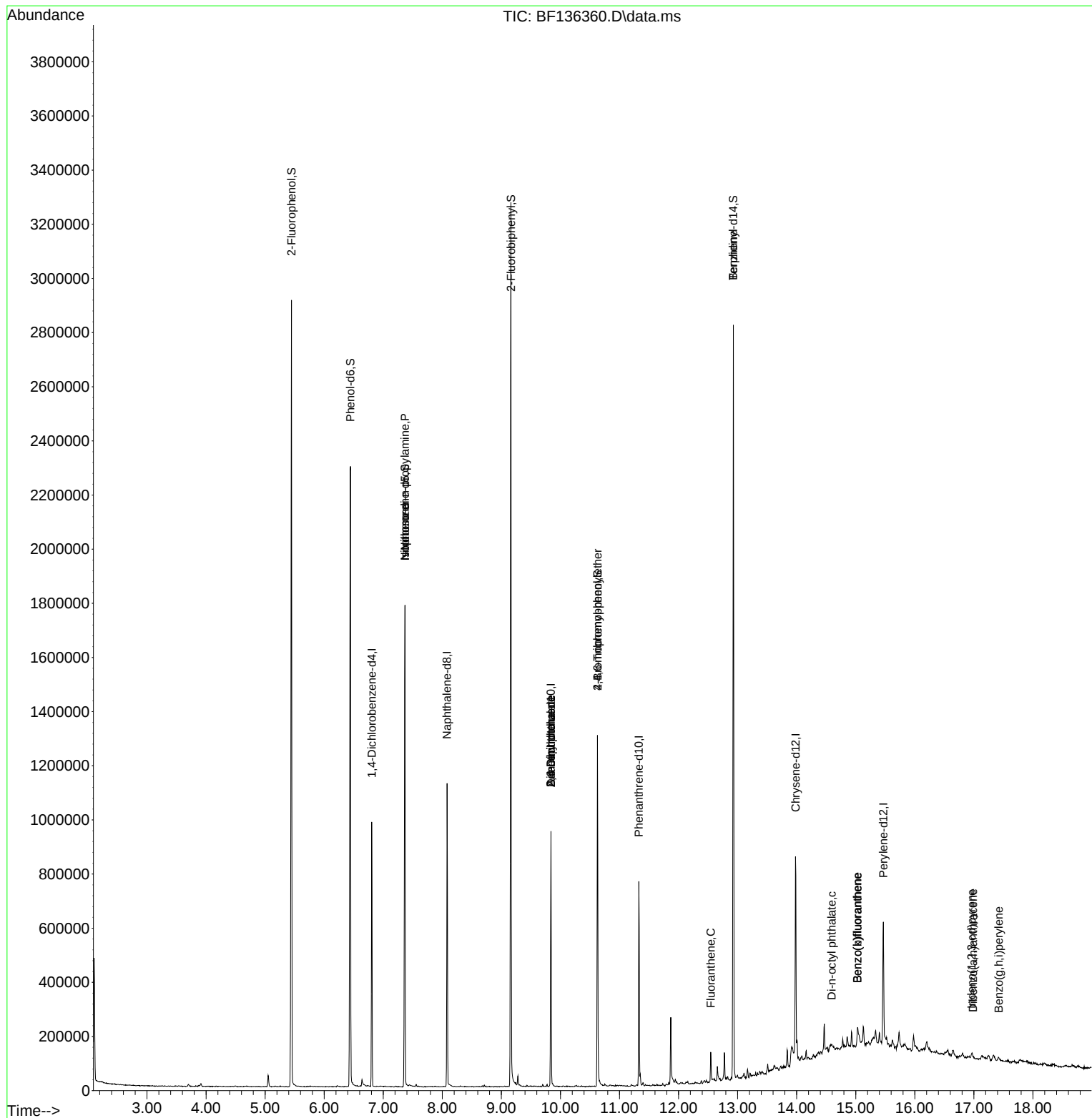
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.804	152	130560	20.000	ng	0.00
21) Naphthalene-d8	8.080	136	469704	20.000	ng	0.00
39) Acenaphthene-d10	9.839	164	173808	20.000	ng	0.00
64) Phenanthrene-d10	11.327	188	276869	20.000	ng	0.00
76) Chrysene-d12	13.980	240	259836	20.000	ng	#-0.01
86) Perylene-d12	15.468	264	216828	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.445	112	806174	85.943	ng	0.00
7) Phenol-d6	6.445	99	940388	80.177	ng	0.00
23) Nitrobenzene-d5	7.369	82	568070	63.910	ng	0.00
42) 2,4,6-Tribromophenol	10.627	330	165016	77.656	ng	-0.01
45) 2-Fluorobiphenyl	9.163	172	988824	72.668	ng	0.00
79) Terphenyl-d14	12.927	244	969316	43.031	ng	0.00
Target Compounds						
						Qvalue
19) n-Nitroso-di-n-propyla...	7.369	70	74946	10.684	ng	# 73
25) Isophorone	7.369	82	568063	35.443	ng	# 68
50) Dimethylphthalate	9.839	163	34477	2.624	ng	# 1
51) 2,6-Dinitrotoluene	9.839	165	22101	8.235	ng	# 24
57) 2,4-Dinitrotoluene	9.839	165	22101	6.165	ng	# 27
67) 4-Bromophenyl-phenylether	10.627	248	9495	2.940	ng	# 1
75) Fluoranthene	12.545	202	43607	2.760	ng	91
77) Benzidine	12.927	184	10644	2.492	ng	95
85) Di-n-octyl phthalate	14.592	149	571	5.192	ng	# 1
87) Indeno(1,2,3-cd)pyrene	16.962	276	12659	3.417	ng	# 82
88) Benzo(b)fluoranthene	15.027	252	47475	3.121	ng	# 86
89) Benzo(k)fluoranthene	15.027	252	47475	3.286	ng	# 85
91) Dibenzo(a,h)anthracene	16.986	278	4069	3.009	ng	# 61
92) Benzo(g,h,i)perylene	17.421	276	13553	2.898	ng	# 84

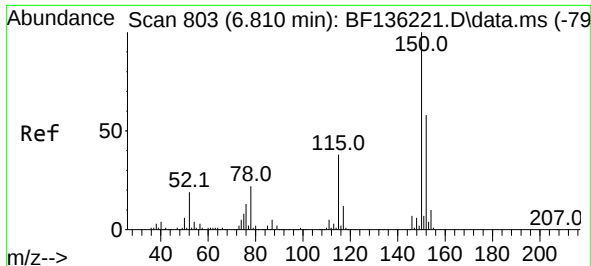
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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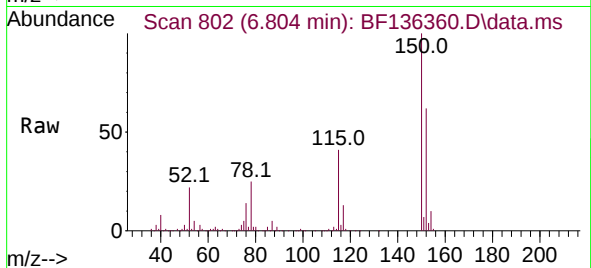
Quant Time: Dec 02 05:55:21 2023
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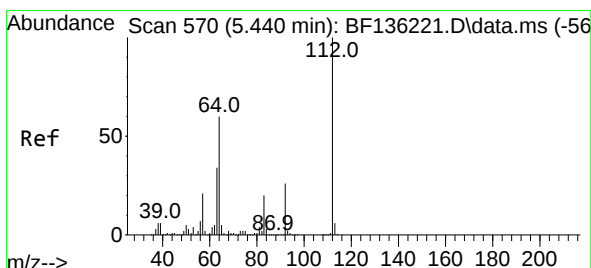
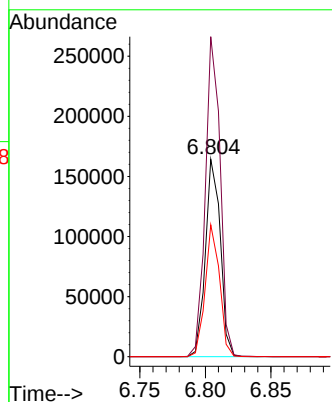
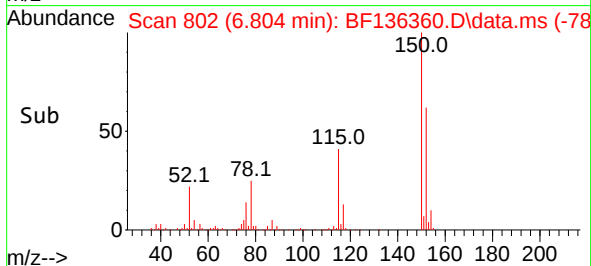


#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.804 min Scan# 803
Delta R.T. -0.006 min
Lab File: BF136360.D
Acq: 02 Dec 2023 04:36

Instrument :
BNA_F
ClientSampleId :

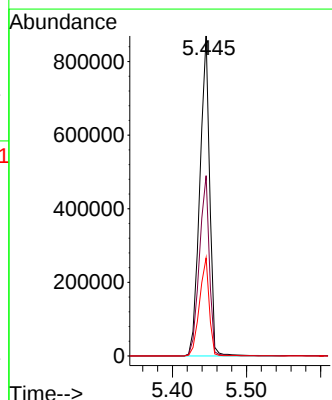
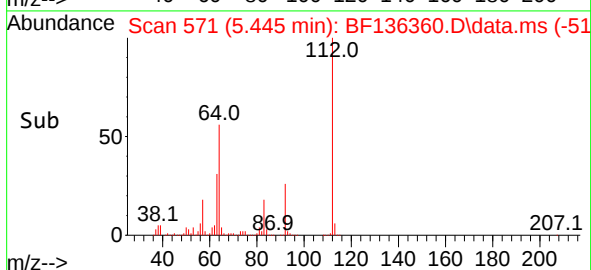
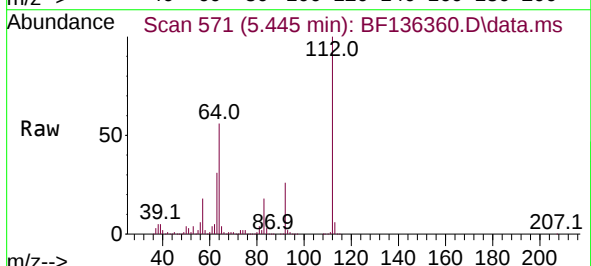


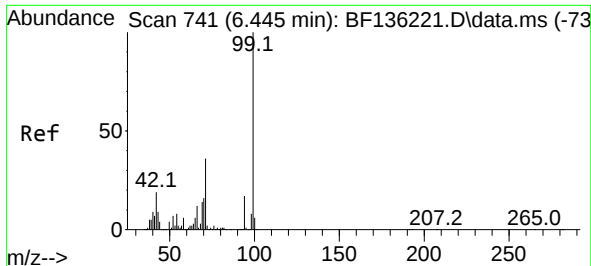
Tgt Ion:152 Resp: 130560
Ion Ratio Lower Upper
152 100
150 162.1 137.8 206.8
115 66.8 52.7 79.1



#5
2-Fluorophenol
Concen: 85.943 ng
RT: 5.445 min Scan# 571
Delta R.T. 0.006 min
Lab File: BF136360.D
Acq: 02 Dec 2023 04:36

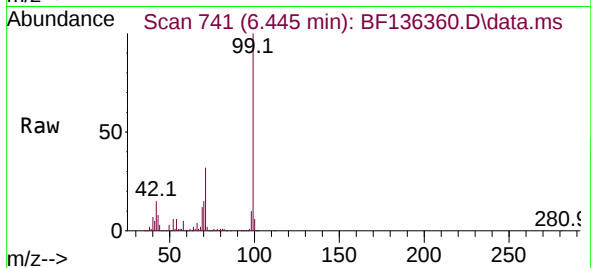
Tgt Ion:112 Resp: 806174
Ion Ratio Lower Upper
112 100
64 56.4 48.2 72.4
63 30.6 27.0 40.6



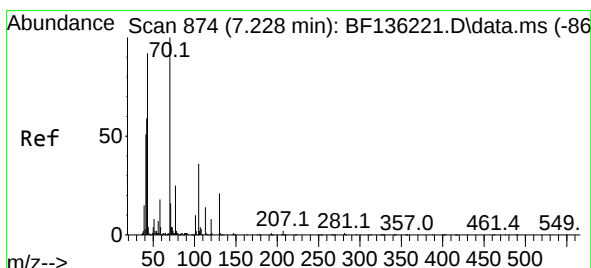
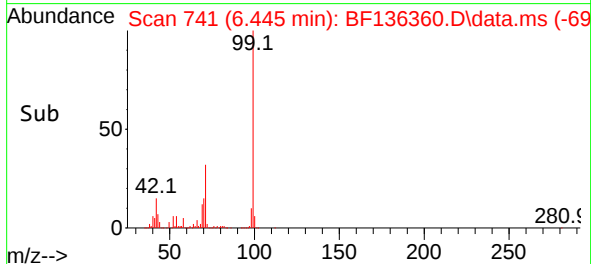
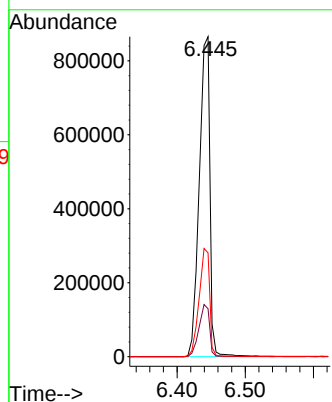


#7
Phenol-d6
Concen: 80.177 ng
RT: 6.445 min Scan# 741
Delta R.T. -0.000 min
Lab File: BF136360.D
Acq: 02 Dec 2023 04:36

Instrument :
BNA_F
ClientSampleId :

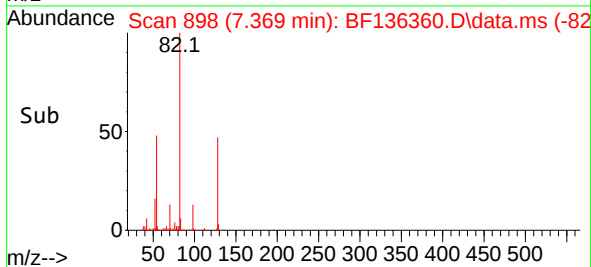
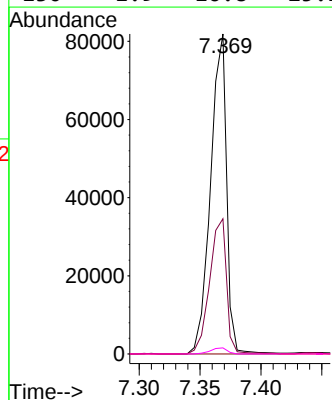
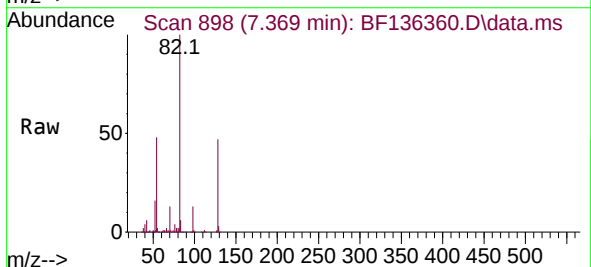


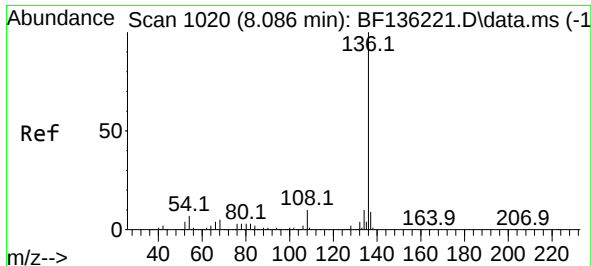
Tgt Ion: 99 Resp: 940388
Ion Ratio Lower Upper
99 100
42 15.0 15.0 22.6#
71 32.5 28.9 43.3



#19
n-Nitroso-di-n-propylamine
Concen: 10.684 ng
RT: 7.369 min Scan# 898
Delta R.T. 0.141 min
Lab File: BF136360.D
Acq: 02 Dec 2023 04:36

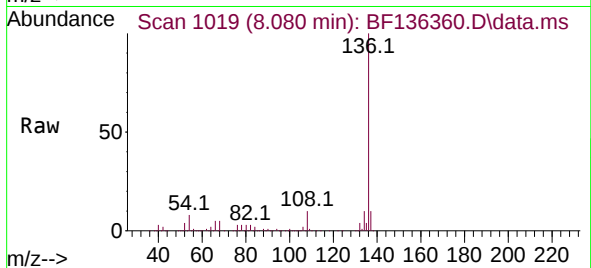
Tgt Ion: 70 Resp: 74946
Ion Ratio Lower Upper
70 100
42 42.2 47.0 70.4#
101 0.0 7.8 11.8#
130 1.9 16.8 25.2#



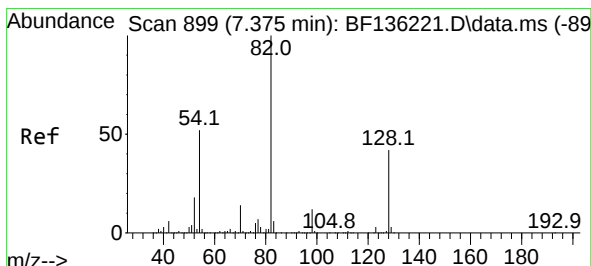
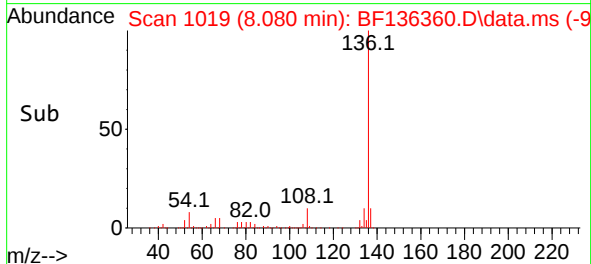
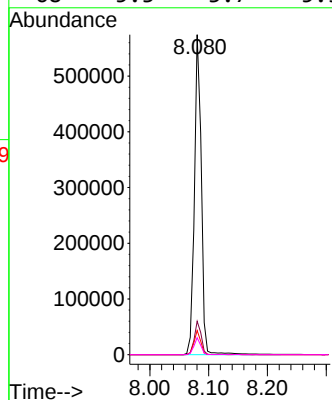


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.080 min Scan# 1019
Delta R.T. -0.006 min
Lab File: BF136360.D
Acq: 02 Dec 2023 04:36

Instrument :
BNA_F
ClientSampleId :

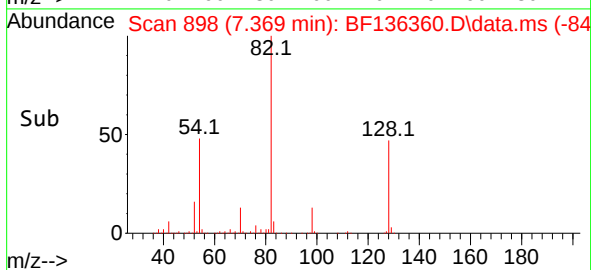
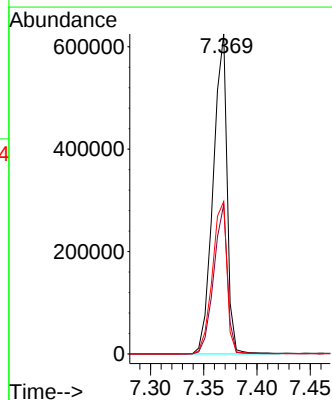
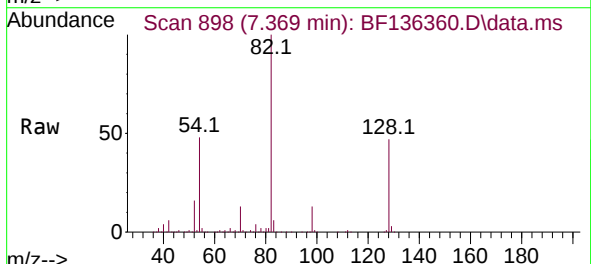


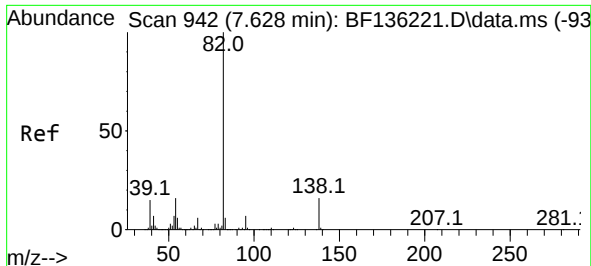
Tgt Ion:136 Resp: 469704
Ion Ratio Lower Upper
136 100
137 10.4 7.4 11.2
54 7.5 5.5 8.3
68 5.3 3.7 5.5



#23
Nitrobenzene-d5
Concen: 63.910 ng
RT: 7.369 min Scan# 898
Delta R.T. -0.006 min
Lab File: BF136360.D
Acq: 02 Dec 2023 04:36

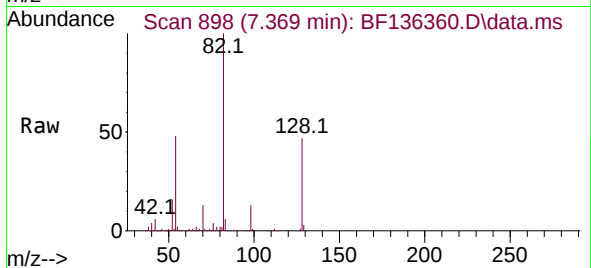
Tgt Ion: 82 Resp: 568070
Ion Ratio Lower Upper
82 100
128 46.7 33.4 50.2
54 47.6 41.7 62.5



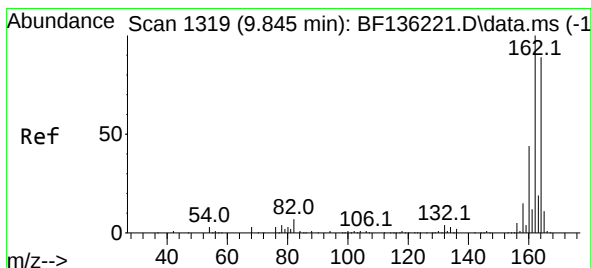
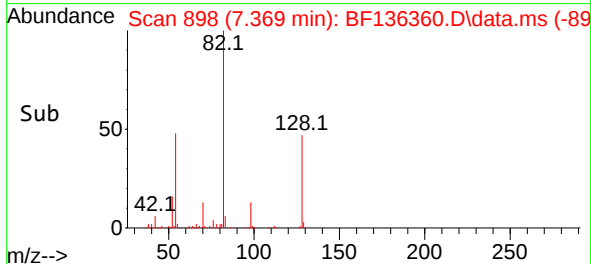
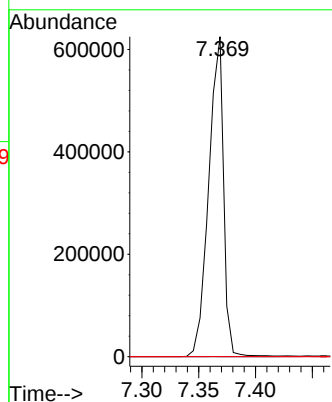


#25
Isophorone
Concen: 35.443 ng
RT: 7.369 min Scan# 89
Delta R.T. -0.259 min
Lab File: BF136360.D
Acq: 02 Dec 2023 04:36

Instrument :
BNA_F
ClientSampleId :

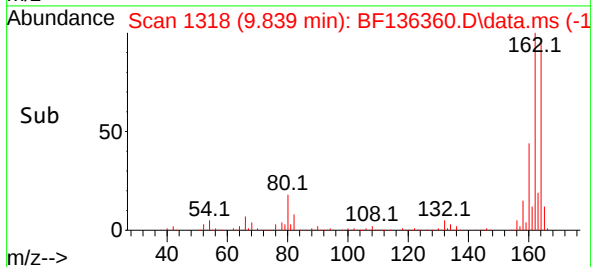
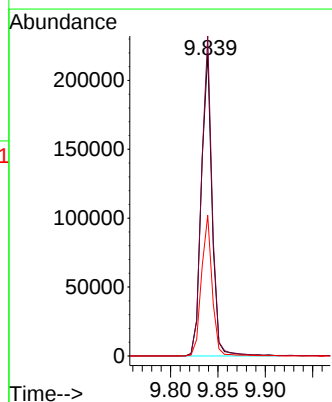
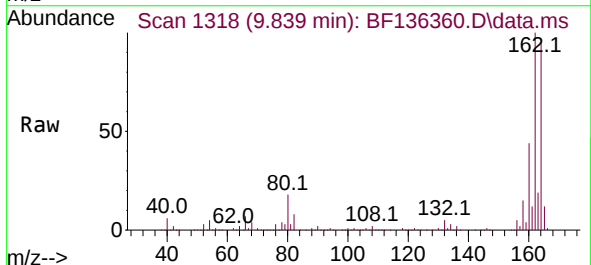


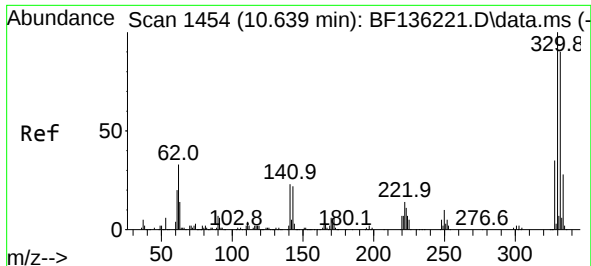
Tgt Ion: 82 Resp: 568063
Ion Ratio Lower Upper
82 100
95 0.0 5.5 8.3#
138 0.0 12.8 19.2#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.839 min Scan# 1318
Delta R.T. -0.006 min
Lab File: BF136360.D
Acq: 02 Dec 2023 04:36

Tgt Ion: 164 Resp: 173808
Ion Ratio Lower Upper
164 100
162 105.7 89.5 134.3
160 46.5 39.6 59.4





#42

2,4,6-Tribromophenol

Concen: 77.656 ng

RT: 10.627 min Scan# 1454

Delta R.T. -0.012 min

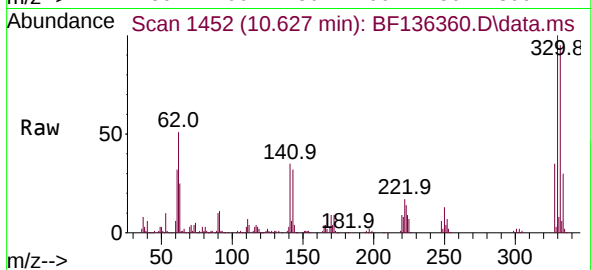
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Acq: 02 Dec 2023 04:36

Instrument :

BNA_F

ClientSampleId :



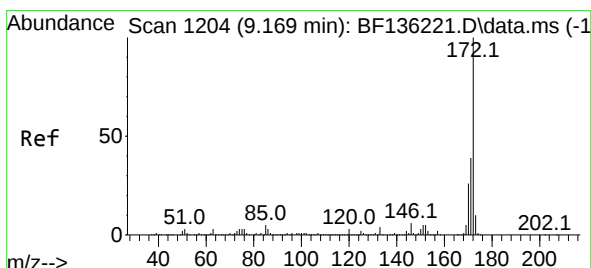
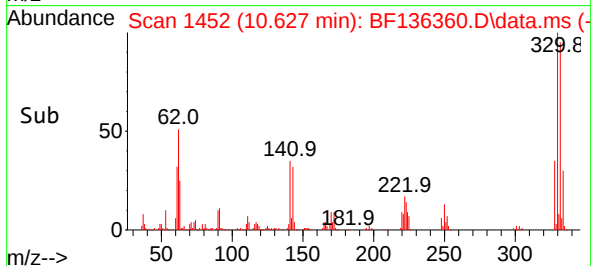
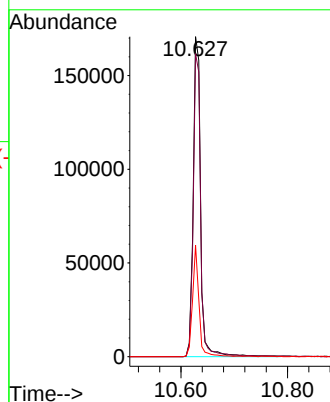
Tgt Ion:330 Resp: 165016

Ion Ratio Lower Upper

330 100

332 94.1 73.0 109.6

141 30.1 24.2 36.2



#45

2-Fluorobiphenyl

Concen: 72.668 ng

RT: 9.163 min Scan# 1203

Delta R.T. -0.006 min

Lab File: BF136360.D

Acq: 02 Dec 2023 04:36

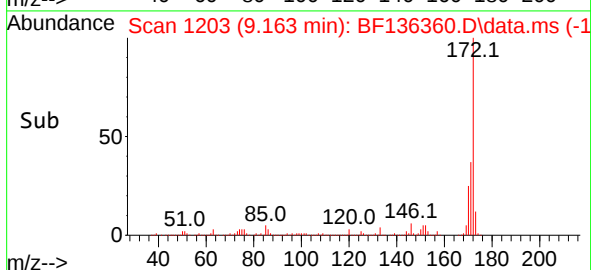
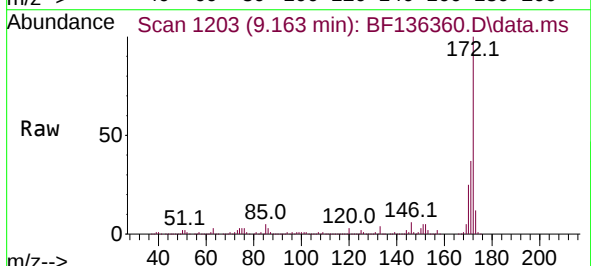
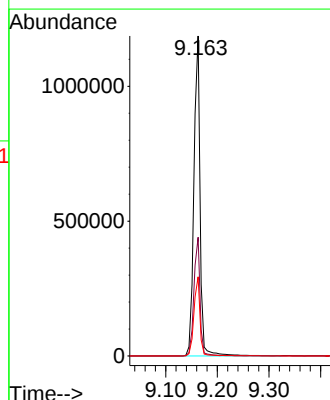
Tgt Ion:172 Resp: 988824

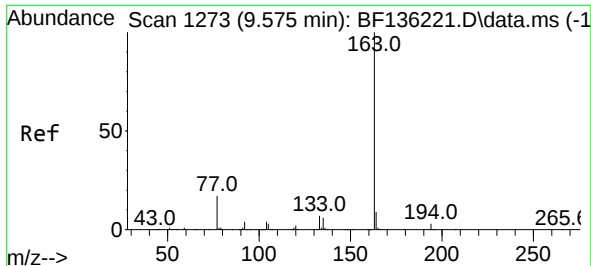
Ion Ratio Lower Upper

172 100

171 37.1 31.5 47.3

170 24.8 20.8 31.2

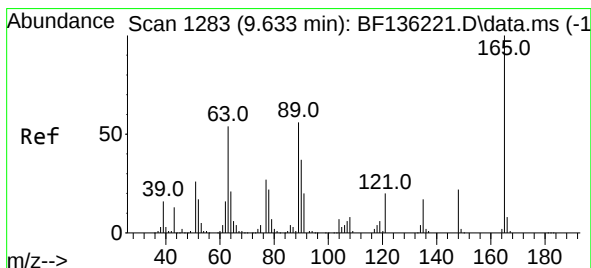
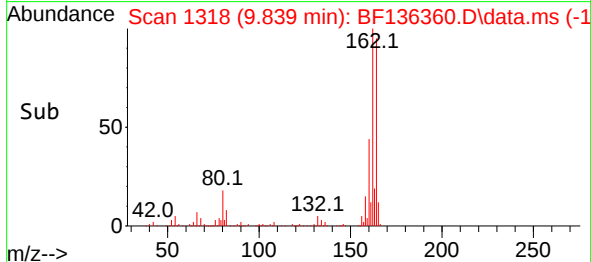
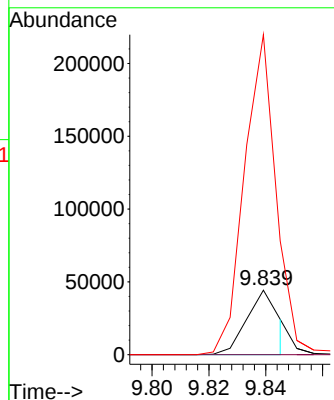
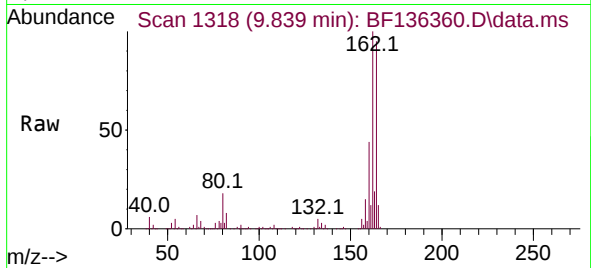




#50
Dimethylphthalate
Concen: 2.624 ng
RT: 9.839 min Scan# 1318
Delta R.T. 0.265 min
Lab File: BF136360.D
Acq: 02 Dec 2023 04:36

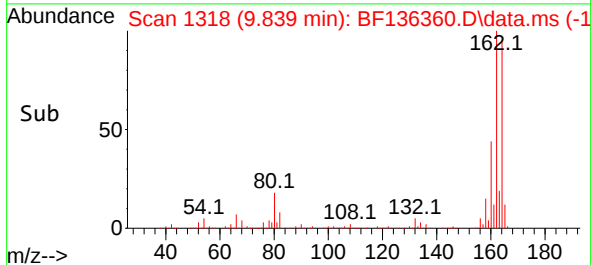
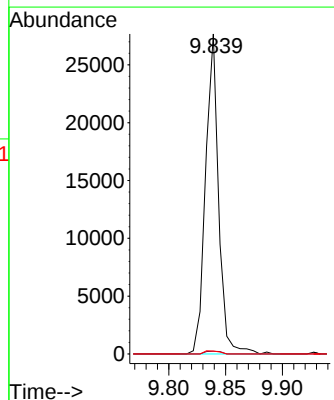
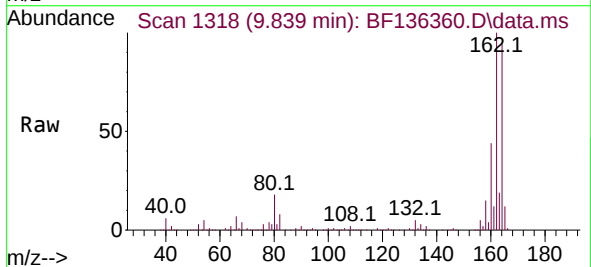
Instrument :
BNA_F
ClientSampleId :

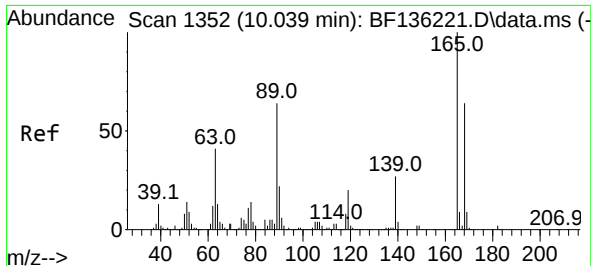
Tgt Ion:163 Resp: 34477
Ion Ratio Lower Upper
163 100
194 0.0 2.5 3.7#
164 496.5 7.0 10.6#



#51
2,6-Dinitrotoluene
Concen: 8.235 ng
RT: 9.839 min Scan# 1318
Delta R.T. 0.206 min
Lab File: BF136360.D
Acq: 02 Dec 2023 04:36

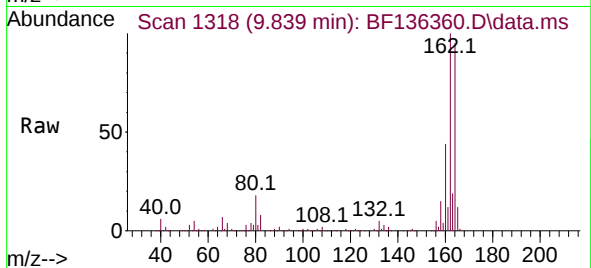
Tgt Ion:165 Resp: 22101
Ion Ratio Lower Upper
165 100
63 0.8 46.2 69.2#
89 0.9 44.9 67.3#



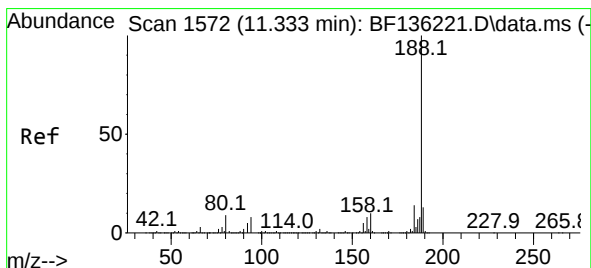
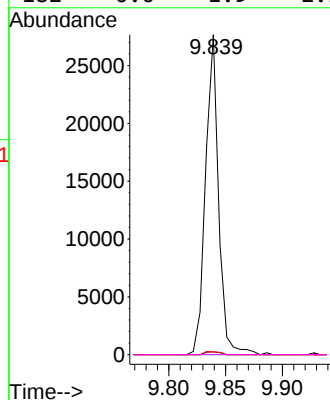
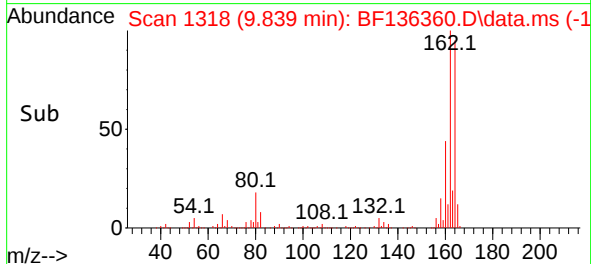


#57
2,4-Dinitrotoluene
Concen: 6.165 ng
RT: 9.839 min Scan# 11
Delta R.T. -0.200 min
Lab File: BF136360.D
Acq: 02 Dec 2023 04:36

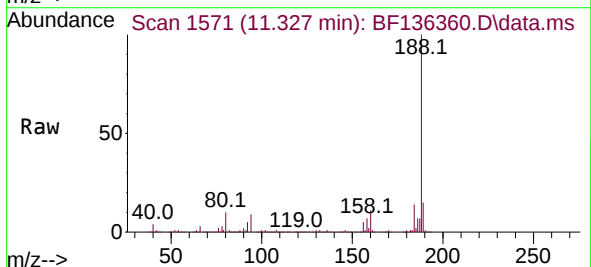
Instrument :
BNA_F
ClientSampleId :



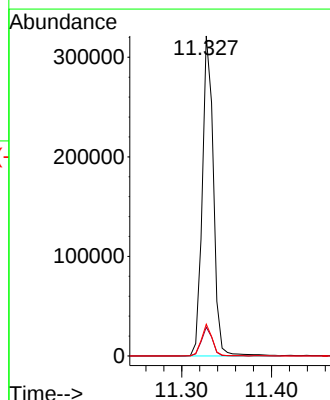
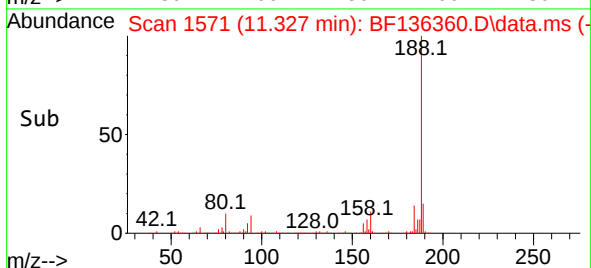
Tgt Ion:165 Resp: 22101
Ion Ratio Lower Upper
165 100
63 0.8 33.0 49.4#
89 0.9 51.5 77.3#
182 0.0 1.9 2.9#

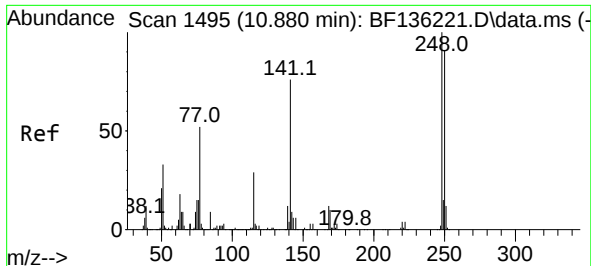


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.327 min Scan# 1571
Delta R.T. -0.006 min
Lab File: BF136360.D
Acq: 02 Dec 2023 04:36



Tgt Ion:188 Resp: 276869
Ion Ratio Lower Upper
188 100
94 9.0 6.7 10.1
80 10.0 7.2 10.8





#67

4-Bromophenyl-phenylether

Concen: 2.940 ng

RT: 10.627 min Scan# 14

Delta R.T. -0.253 min

Lab File: BF136360.D

Acq: 02 Dec 2023 04:36

Instrument :

BNA_F

ClientSampleId :

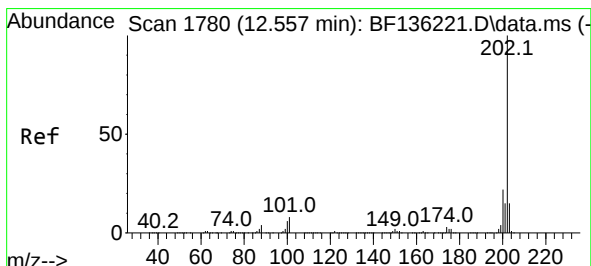
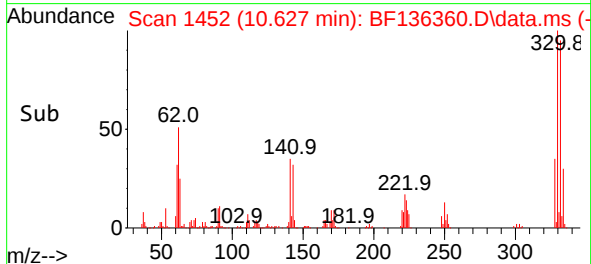
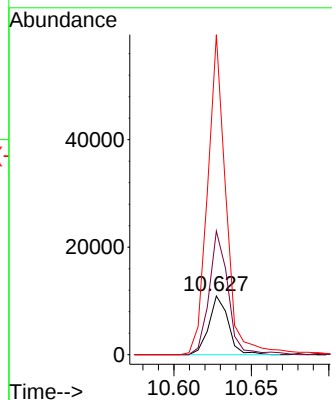
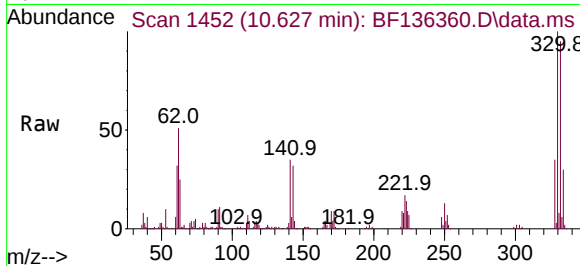
Tgt Ion:248 Resp: 9495

Ion Ratio Lower Upper

248 100

250 210.4 72.5 108.7#

141 544.3 60.8 91.2#



#75

Fluoranthene

Concen: 2.760 ng

RT: 12.545 min Scan# 1778

Delta R.T. -0.012 min

Lab File: BF136360.D

Acq: 02 Dec 2023 04:36

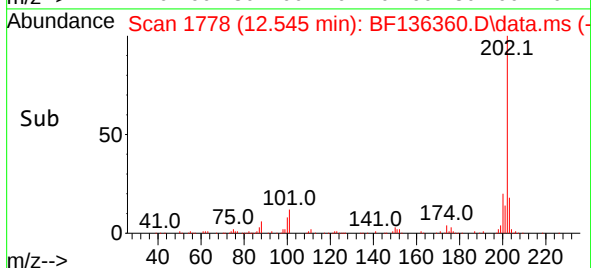
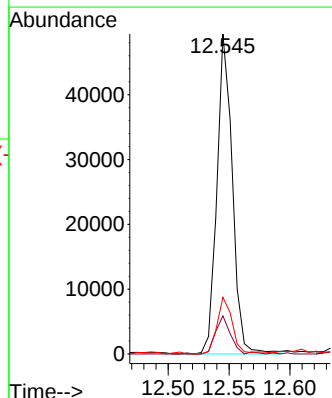
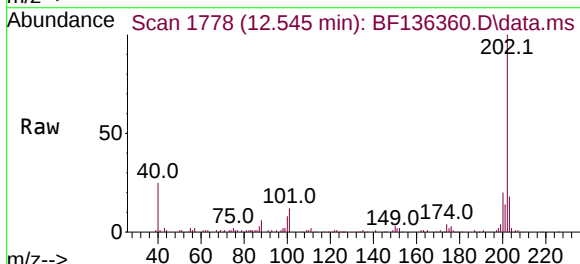
Tgt Ion:202 Resp: 43607

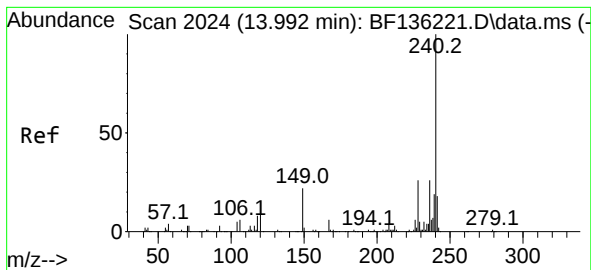
Ion Ratio Lower Upper

202 100

101 11.9 0.0 27.8

203 17.7 0.0 34.5





#76

Chrysene-d12

Concen: 20.000 ng

RT: 13.980 min Scan# 2022

Delta R.T. -0.012 min

Lab File: BF136360.D

Acq: 02 Dec 2023 04:36

Instrument :

BNA_F

ClientSampleId :

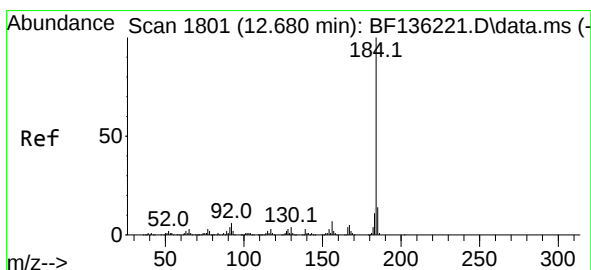
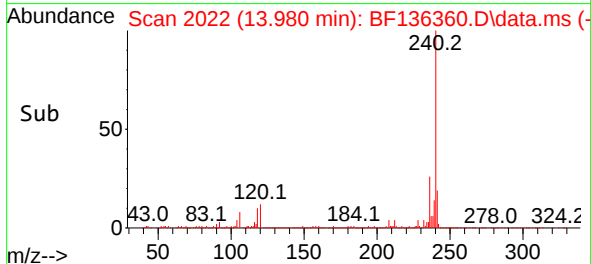
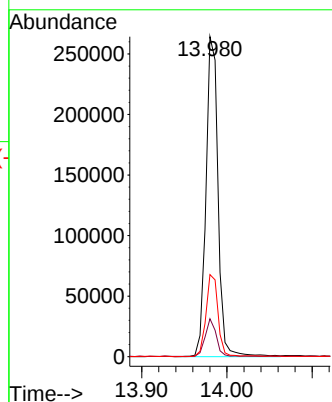
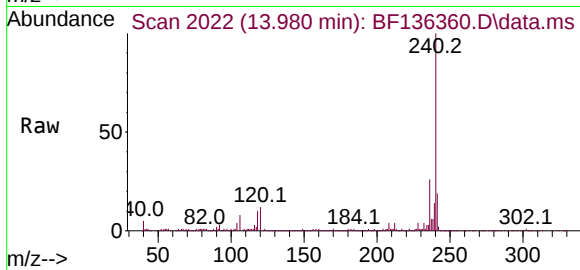
Tgt Ion:240 Resp: 259836

Ion Ratio Lower Upper

240 100

120 11.9 7.4 11.2#

236 25.7 21.1 31.7



#77

Benzidine

Concen: 2.492 ng

RT: 12.927 min Scan# 1843

Delta R.T. 0.247 min

Lab File: BF136360.D

Acq: 02 Dec 2023 04:36

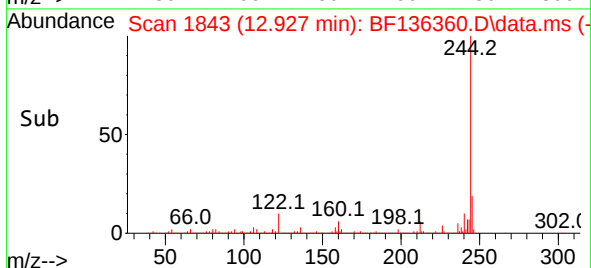
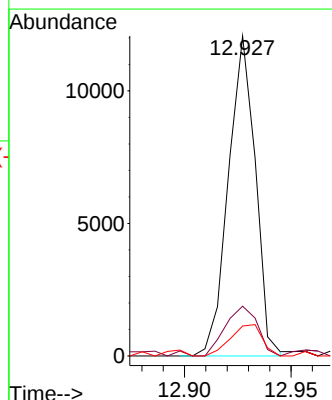
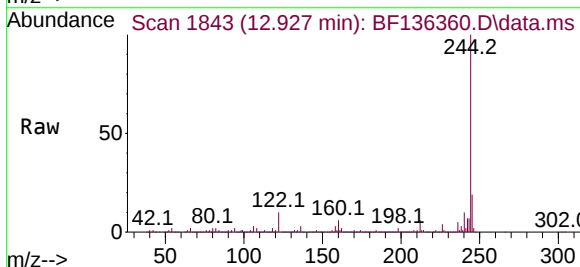
Tgt Ion:184 Resp: 10644

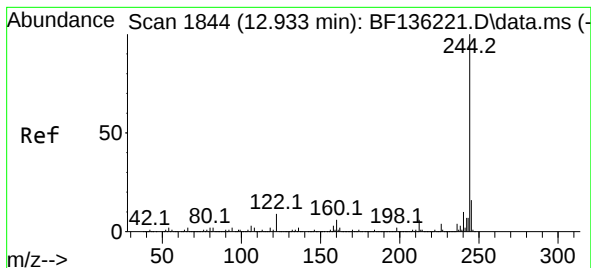
Ion Ratio Lower Upper

184 100

185 15.6 11.0 16.6

183 9.4 9.0 13.4





#79

Terphenyl-d14

Concen: 43.031 ng

RT: 12.927 min Scan# 11

Delta R.T. -0.006 min

Lab File: BF136360.D

Acq: 02 Dec 2023 04:36

Instrument :

BNA_F

ClientSampleId :

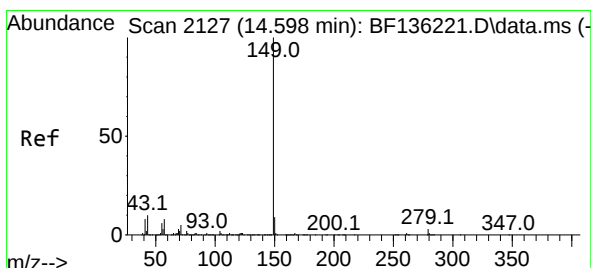
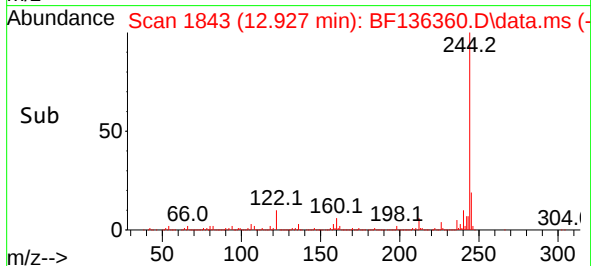
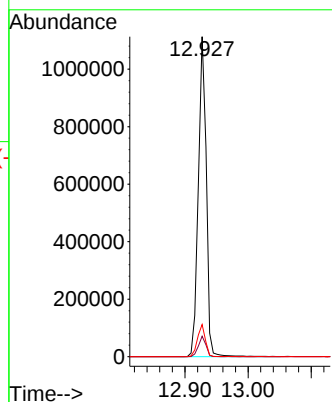
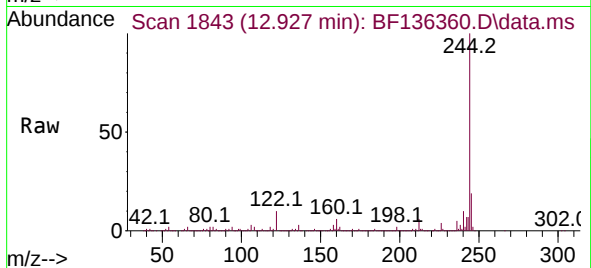
Tgt Ion:244 Resp: 969316

Ion Ratio Lower Upper

244 100

212 6.4 4.6 7.0

122 10.1 7.3 10.9



#85

Di-n-octyl phthalate

Concen: 5.192 ng

RT: 14.592 min Scan# 2126

Delta R.T. -0.006 min

Lab File: BF136360.D

Acq: 02 Dec 2023 04:36

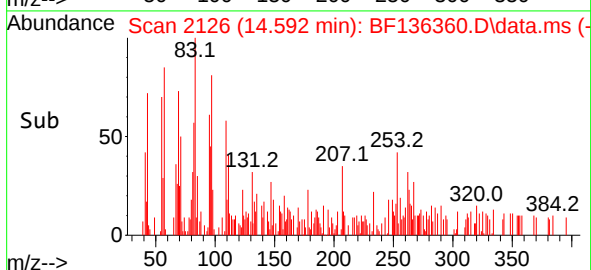
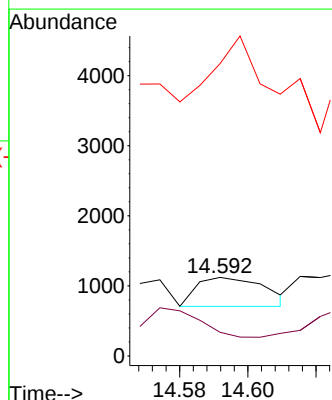
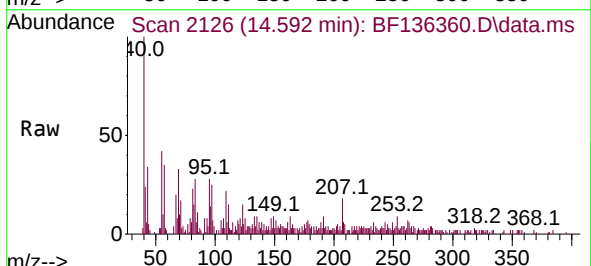
Tgt Ion:149 Resp: 571

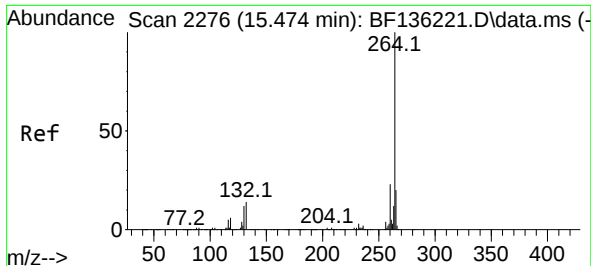
Ion Ratio Lower Upper

149 100

167 0.0 1.0 1.6#

43 357.8 7.2 10.8#

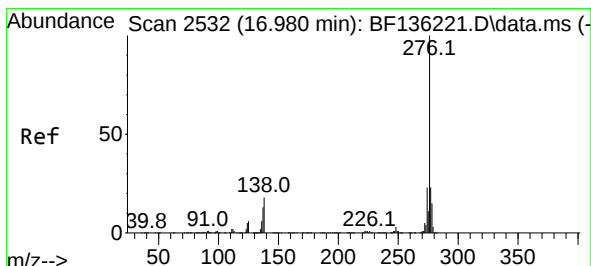
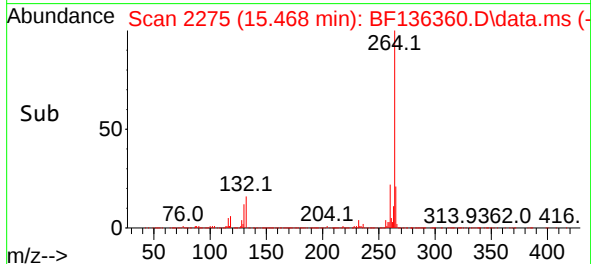
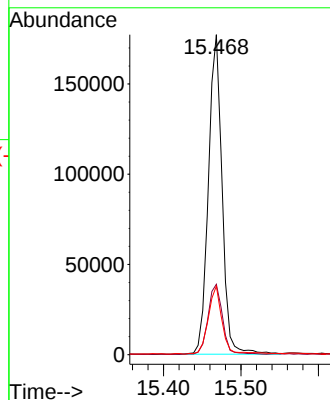
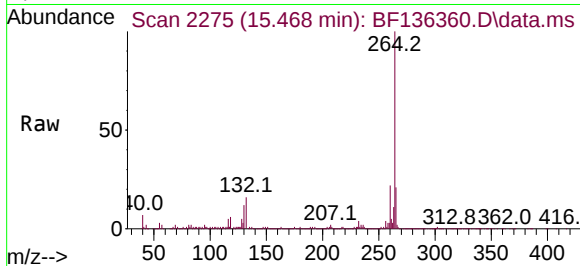




#86
Perylene-d12
Concen: 20.000 ng
RT: 15.468 min Scan# 21
Delta R.T. -0.006 min
Lab File: BF136360.D
Acq: 02 Dec 2023 04:36

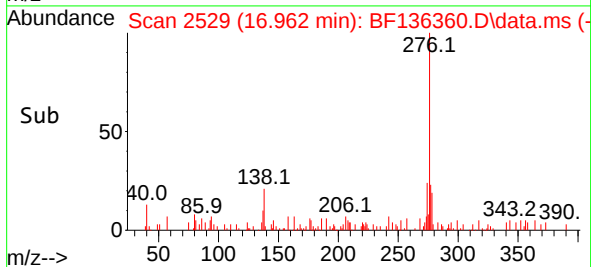
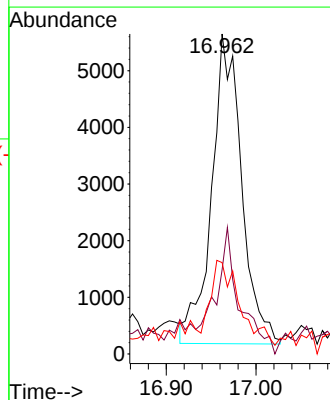
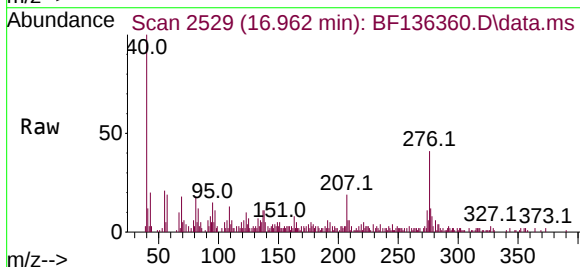
Instrument :
BNA_F
ClientSampleId :

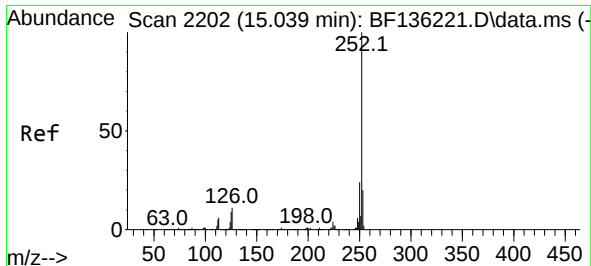
Tgt Ion:264 Resp: 216828
Ion Ratio Lower Upper
264 100
260 22.0 18.6 27.8
265 21.5 15.7 23.5



#87
Indeno(1,2,3-cd)pyrene
Concen: 3.417 ng
RT: 16.962 min Scan# 2529
Delta R.T. -0.018 min
Lab File: BF136360.D
Acq: 02 Dec 2023 04:36

Tgt Ion:276 Resp: 12659
Ion Ratio Lower Upper
276 100
138 33.4 17.7 26.5#
277 30.7 19.6 29.4#

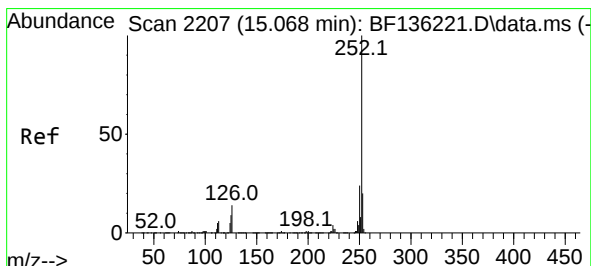
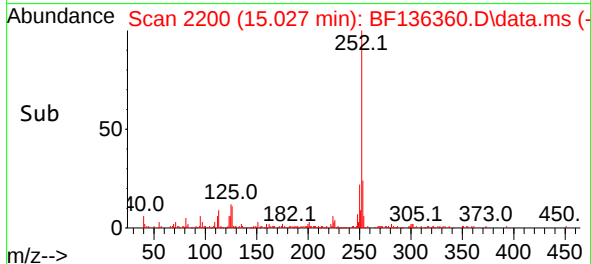
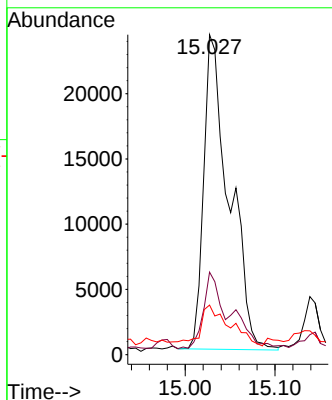
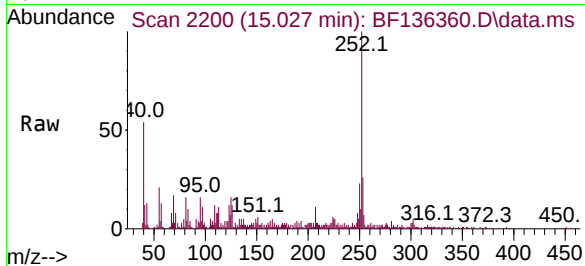




#88
Benzo(b)fluoranthene
Concen: 3.121 ng
RT: 15.027 min Scan# 21
Delta R.T. -0.012 min
Lab File: BF136360.D
Acq: 02 Dec 2023 04:36

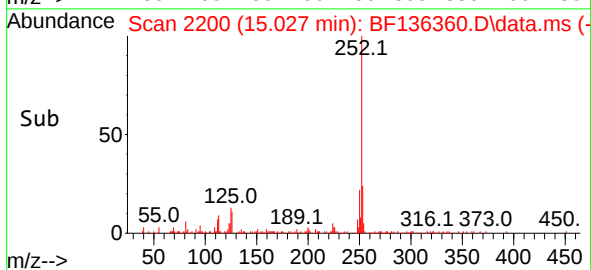
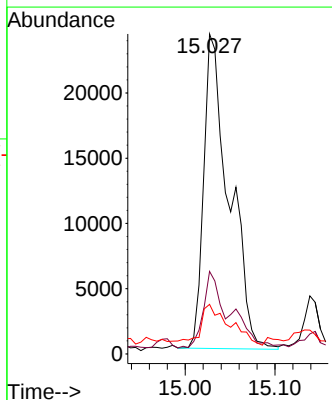
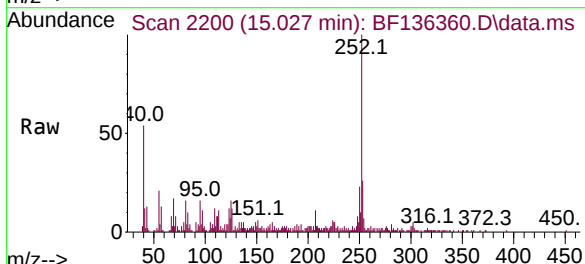
Instrument :
BNA_F
ClientSampleId :

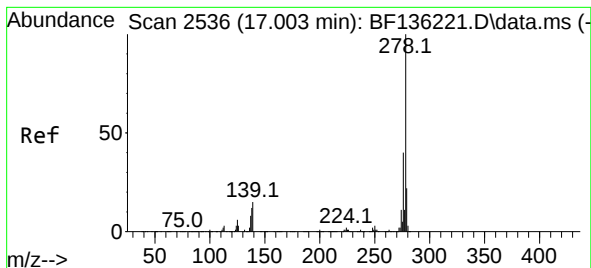
Tgt Ion:252 Resp: 47475
Ion Ratio Lower Upper
252 100
253 25.8 16.2 24.2#
125 15.5 6.9 10.3#



#89
Benzo(k)fluoranthene
Concen: 3.286 ng
RT: 15.027 min Scan# 2200
Delta R.T. -0.041 min
Lab File: BF136360.D
Acq: 02 Dec 2023 04:36

Tgt Ion:252 Resp: 47475
Ion Ratio Lower Upper
252 100
253 25.8 15.6 23.4#
125 15.5 7.0 10.4#





#91

Dibenzo(a,h)anthracene

Concen: 3.009 ng

RT: 16.986 min Scan# 21

Delta R.T. -0.017 min

Lab File: BF136360.D

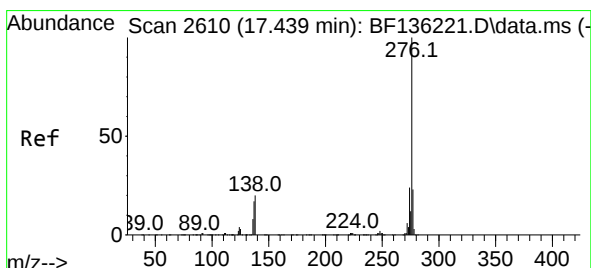
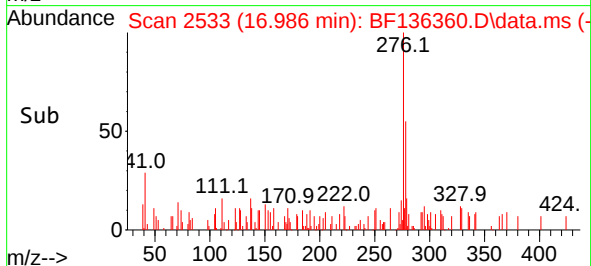
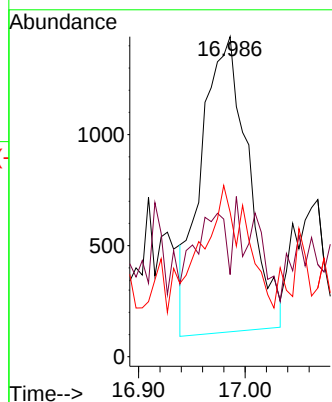
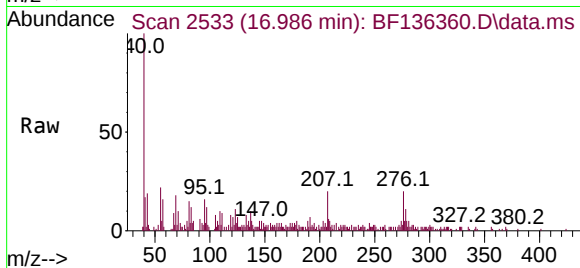
Acq: 02 Dec 2023 04:36

Instrument :

BNA_F

ClientSampleId :

Tgt Ion:	278	Resp:	4069
Ion Ratio	Lower	Upper	
278	100		
139	25.7	11.7	17.5#
279	45.2	17.8	26.8#



#92

Benzo(g,h,i)perylene

Concen: 2.898 ng

RT: 17.421 min Scan# 2607

Delta R.T. -0.018 min

Lab File: BF136360.D

Acq: 02 Dec 2023 04:36

Tgt Ion:	276	Resp:	13553
Ion Ratio	Lower	Upper	
276	100		
277	29.7	18.6	27.8#
138	28.1	15.8	23.8#

