

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF120423\
 Data File : BF136387.D
 Acq On : 04 Dec 2023 17:59
 Operator : CG\JU
 Sample : 05434-05
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Dec 05 00:35:12 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF112723.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Dec 04 13:30:53 2023
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

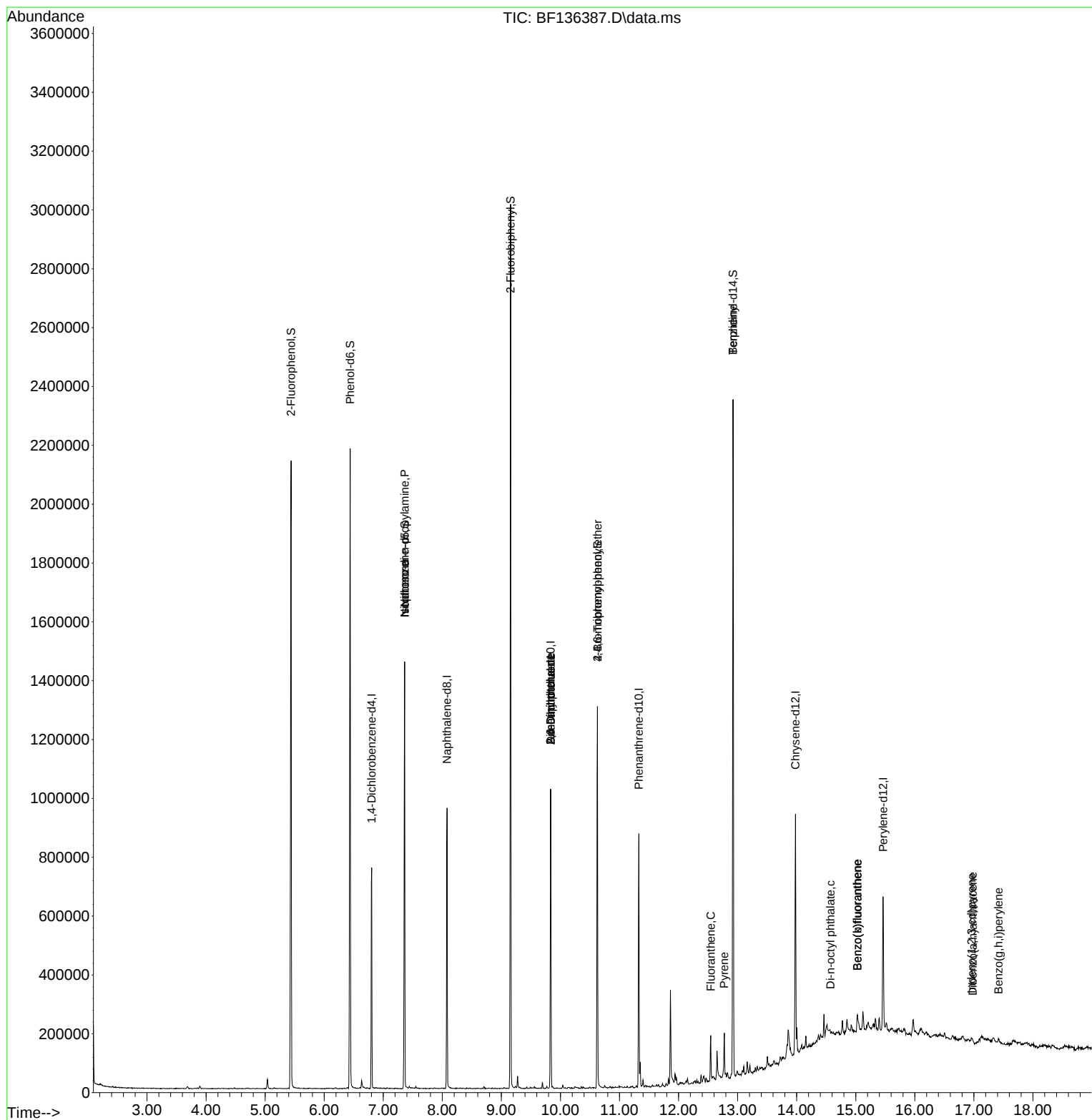
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.804	152	110976	20.000	ng	0.00
21) Naphthalene-d8	8.081	136	420417	20.000	ng	0.00
39) Acenaphthene-d10	9.833	164	185410	20.000	ng	0.00
64) Phenanthrene-d10	11.327	188	301420	20.000	ng	0.00
76) Chrysene-d12	13.980	240	255770	20.000	ng	0.00
86) Perylene-d12	15.462	264	210396	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.440	112	607657	76.212	ng	0.00
7) Phenol-d6	6.440	99	727971	73.020	ng	0.00
23) Nitrobenzene-d5	7.363	82	428385	53.845	ng	0.00
42) 2,4,6-Tribromophenol	10.627	330	158486	69.916	ng	0.00
45) 2-Fluorobiphenyl	9.157	172	821554	56.598	ng	0.00
79) Terphenyl-d14	12.921	244	800621	36.107	ng	0.00
Target Compounds						
						Qvalue
19) n-Nitroso-di-n-propyla...	7.363	70	55474	9.304	ng	# 72
25) Isophorone	7.363	82	424387	29.583	ng	# 68
50) Dimethylphthalate	9.833	163	35261	2.516	ng	# 1
51) 2,6-Dinitrotoluene	9.833	165	23584	8.238	ng	# 24
57) 2,4-Dinitrotoluene	9.833	165	23584	6.167	ng	# 27
67) 4-Bromophenyl-phenylether	10.627	248	9657	2.746	ng	# 1
75) Fluoranthene	12.545	202	59442	3.456	ng	93
77) Benzidine	12.921	184	9526	2.266	ng	# 89
78) Pyrene	12.774	202	59708	2.132	ng	96
85) Di-n-octyl phthalate	14.574	149	515	5.189	ng	# 1
87) Indeno(1,2,3-cd)pyrene	16.962	276	11401	3.364	ng	# 91
88) Benzo(b)fluoranthene	15.027	252	42169	2.857	ng	# 86
89) Benzo(k)fluoranthene	15.027	252	42169	3.008	ng	# 84
91) Dibenzo(a,h)anthracene	16.980	278	2861	2.927	ng	# 43
92) Benzo(g,h,i)perylene	17.415	276	11858	2.800	ng	# 87

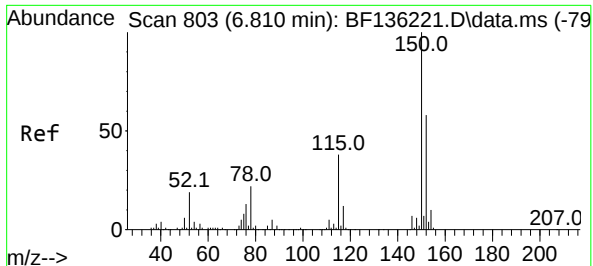
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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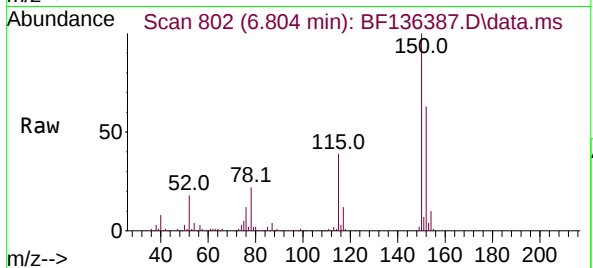
Quant Time: Dec 05 00:35:12 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF112723.M
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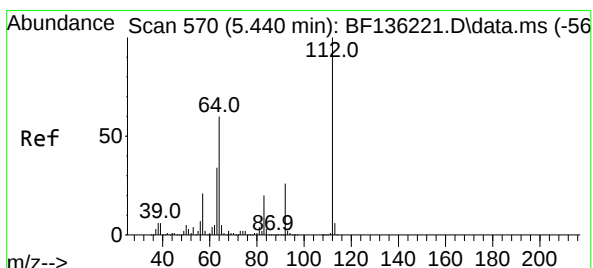
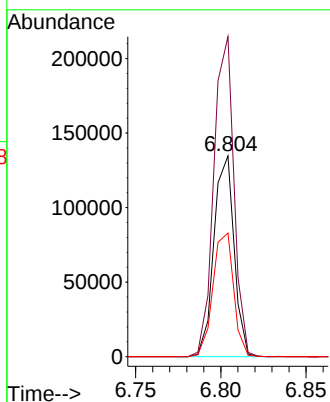
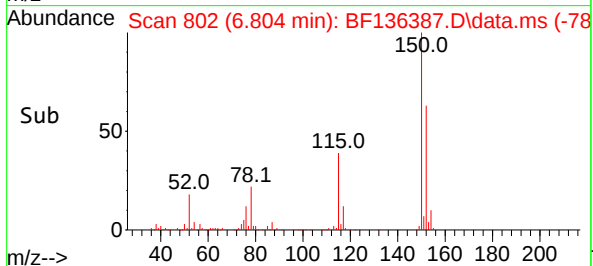


#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.804 min Scan# 803
Delta R.T. 0.000 min
Lab File: BF136387.D
Acq: 04 Dec 2023 17:59

Instrument :
BNA_F
ClientSampleId :

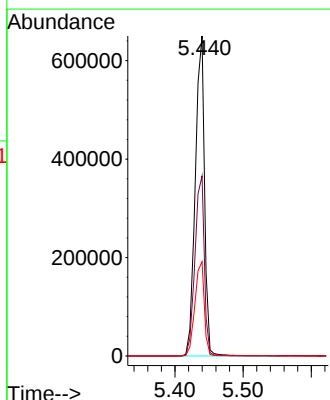
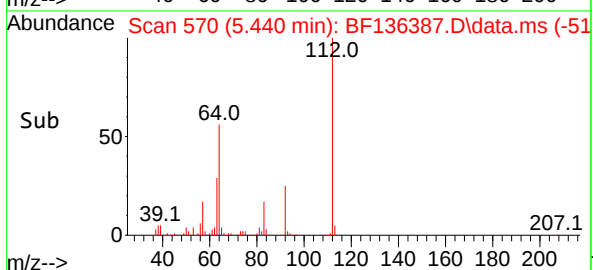
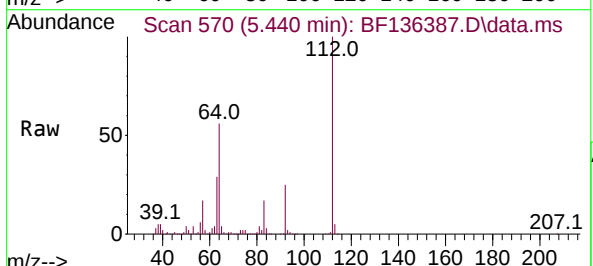


Tgt Ion:152 Resp: 110976
Ion Ratio Lower Upper
152 100
150 159.4 137.8 206.8
115 61.7 52.7 79.1



#5
2-Fluorophenol
Concen: 76.212 ng
RT: 5.440 min Scan# 570
Delta R.T. 0.000 min
Lab File: BF136387.D
Acq: 04 Dec 2023 17:59

Tgt Ion:112 Resp: 607657
Ion Ratio Lower Upper
112 100
64 56.3 48.2 72.4
63 29.5 27.0 40.6

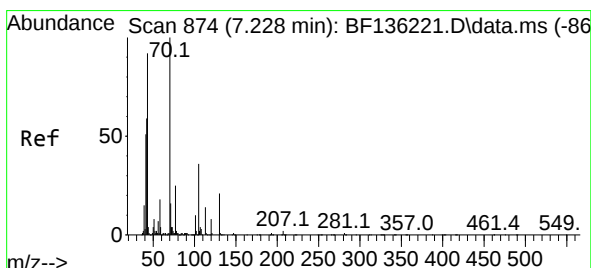
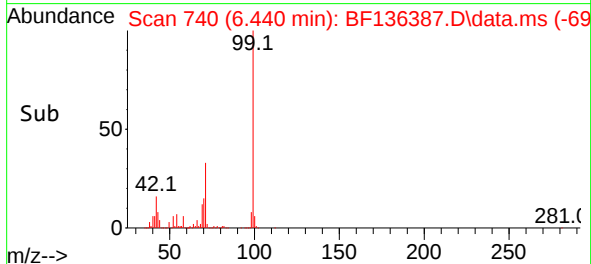
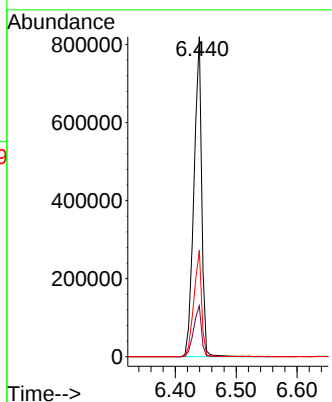
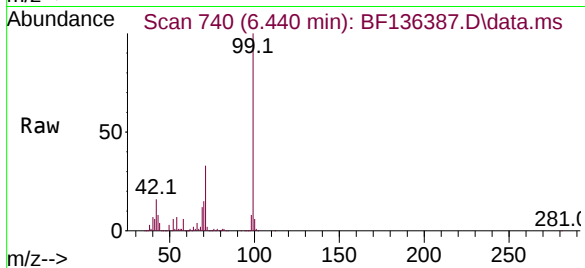




#7
Phenol-d6
Concen: 73.020 ng
RT: 6.440 min Scan# 741
Delta R.T. -0.006 min
Lab File: BF136387.D
Acq: 04 Dec 2023 17:59

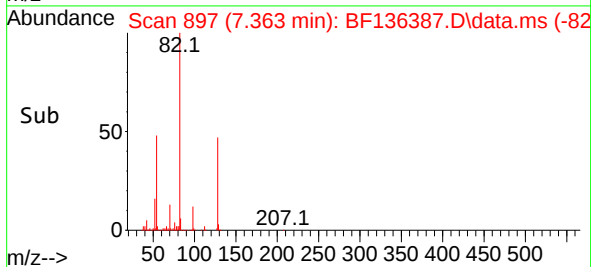
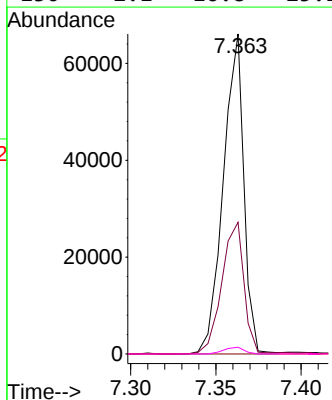
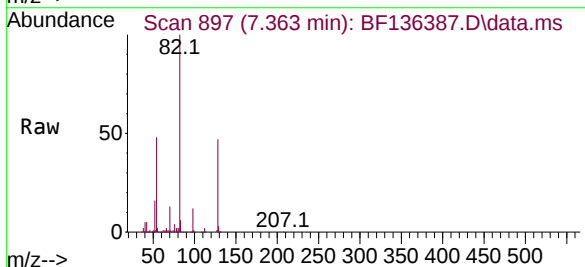
Instrument :
BNA_F
ClientSampleId :

Tgt Ion: 99 Resp: 727971
Ion Ratio Lower Upper
99 100
42 15.9 15.0 22.6
71 33.2 28.9 43.3



#19
n-Nitroso-di-n-propylamine
Concen: 9.304 ng
RT: 7.363 min Scan# 897
Delta R.T. 0.141 min
Lab File: BF136387.D
Acq: 04 Dec 2023 17:59

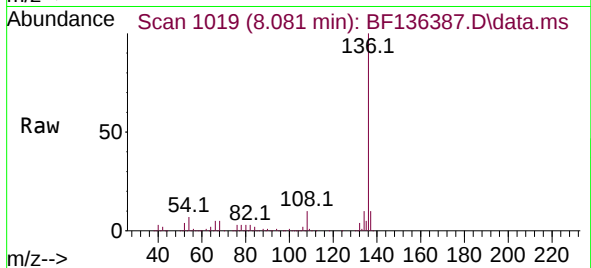
Tgt Ion: 70 Resp: 55474
Ion Ratio Lower Upper
70 100
42 41.2 47.0 70.4#
101 0.0 7.8 11.8#
130 2.1 16.8 25.2#



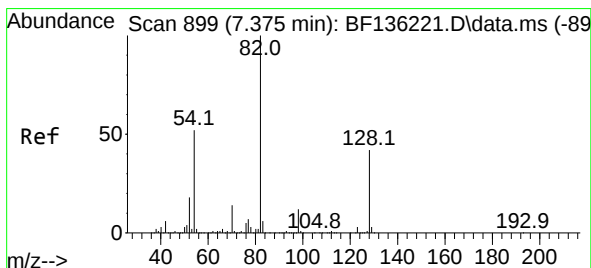
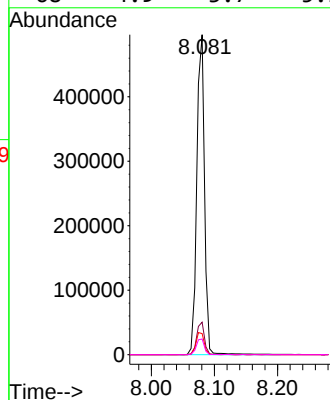
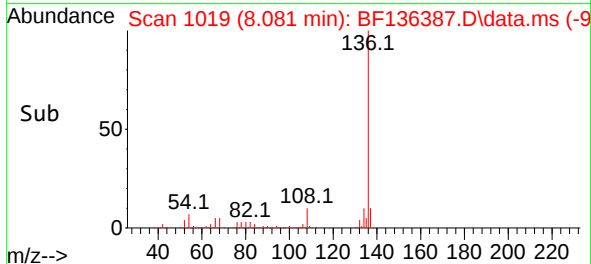


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.081 min Scan# 1019
Delta R.T. 0.000 min
Lab File: BF136387.D
Acq: 04 Dec 2023 17:59

Instrument :
BNA_F
ClientSampleId :

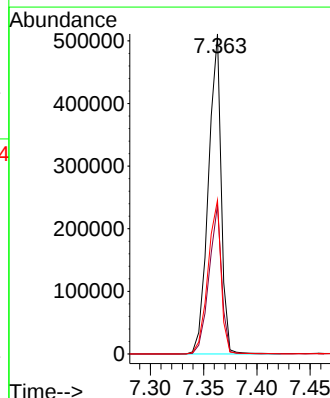
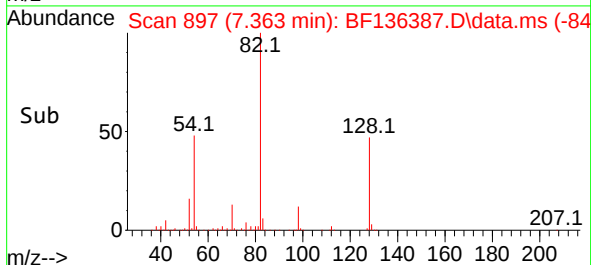
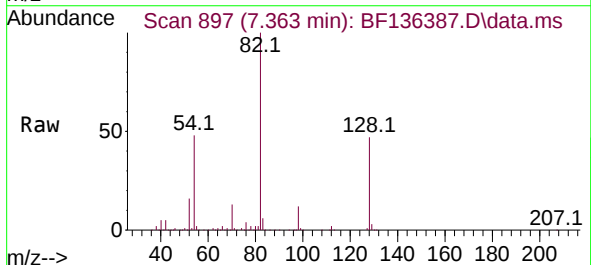


Tgt Ion:136 Resp: 420417
Ion Ratio Lower Upper
136 100
137 10.2 7.4 11.2
54 6.6 5.5 8.3
68 4.9 3.7 5.5



#23
Nitrobenzene-d5
Concen: 53.845 ng
RT: 7.363 min Scan# 897
Delta R.T. -0.006 min
Lab File: BF136387.D
Acq: 04 Dec 2023 17:59

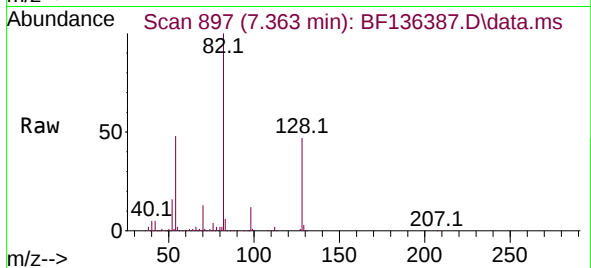
Tgt Ion: 82 Resp: 428385
Ion Ratio Lower Upper
82 100
128 46.6 33.4 50.2
54 48.0 41.7 62.5



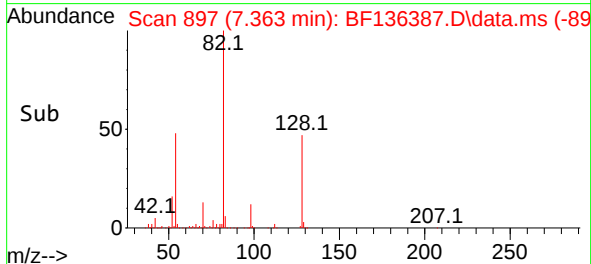
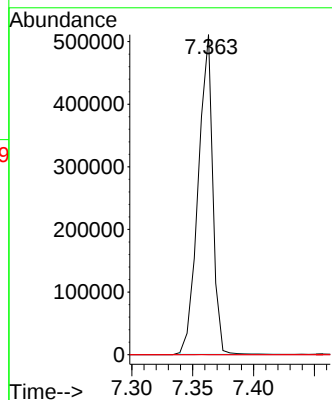


#25
Isophorone
Concen: 29.583 ng
RT: 7.363 min Scan# 89
Delta R.T. -0.265 min
Lab File: BF136387.D
Acq: 04 Dec 2023 17:59

Instrument :
BNA_F
ClientSampleId :

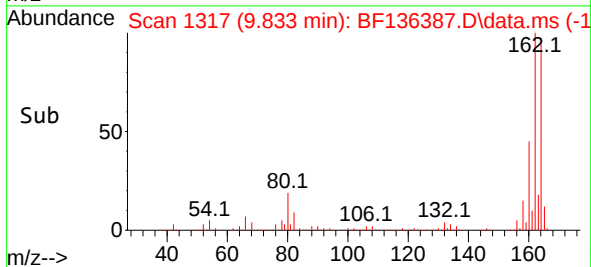
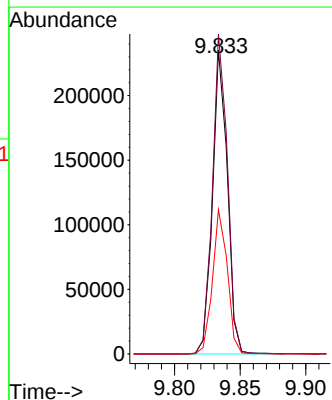
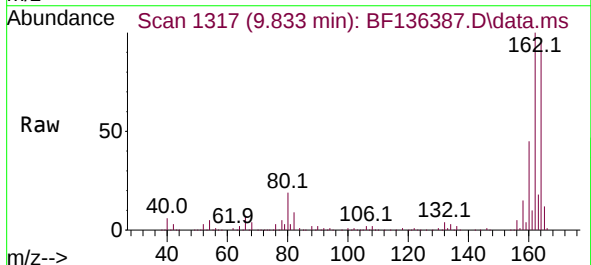


Tgt Ion: 82 Resp: 424387
Ion Ratio Lower Upper
82 100
95 0.0 5.5 8.3#
138 0.0 12.8 19.2#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.833 min Scan# 1317
Delta R.T. -0.006 min
Lab File: BF136387.D
Acq: 04 Dec 2023 17:59

Tgt Ion: 164 Resp: 185410
Ion Ratio Lower Upper
164 100
162 105.4 89.5 134.3
160 47.5 39.6 59.4





#42

2,4,6-Tribromophenol

Concen: 69.916 ng

RT: 10.627 min Scan# 1452

Delta R.T. -0.006 min

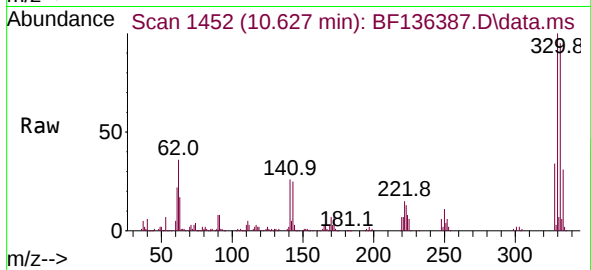
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Acq: 04 Dec 2023 17:59

Instrument :

BNA_F

ClientSampleId :



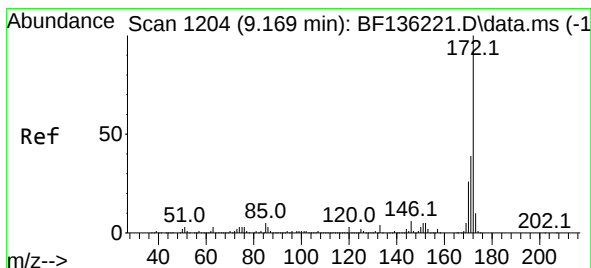
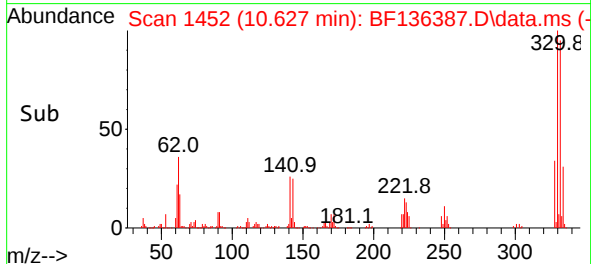
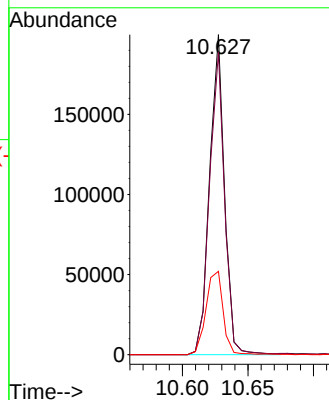
Tgt Ion:330 Resp: 158486

Ion Ratio Lower Upper

330 100

332 95.5 73.0 109.6

141 30.2 24.2 36.2



#45

2-Fluorobiphenyl

Concen: 56.598 ng

RT: 9.157 min Scan# 1202

Delta R.T. -0.006 min

Lab File: BF136387.D

Acq: 04 Dec 2023 17:59

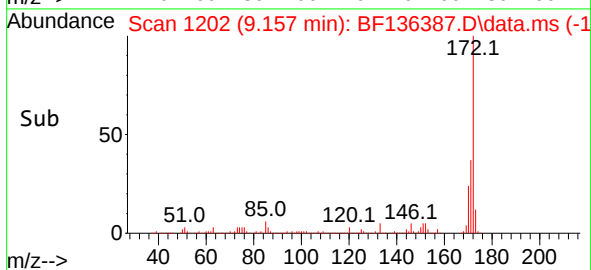
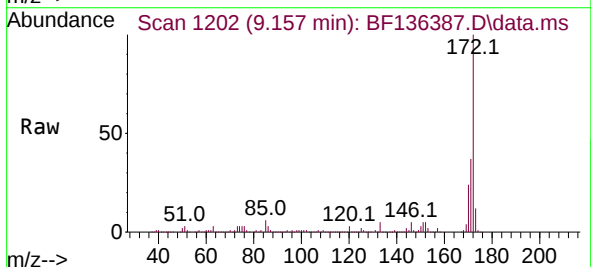
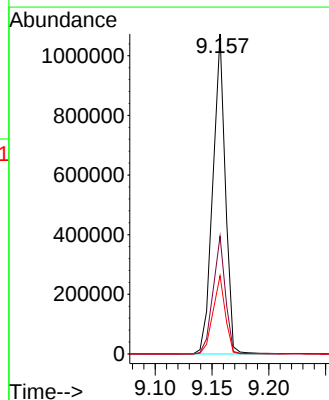
Tgt Ion:172 Resp: 821554

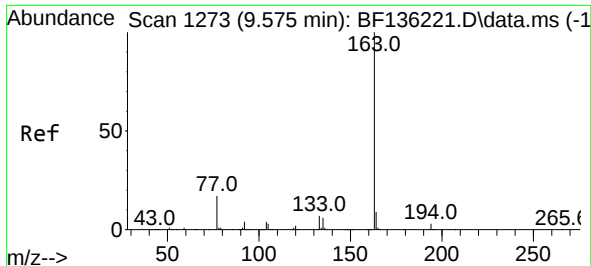
Ion Ratio Lower Upper

172 100

171 36.8 31.5 47.3

170 24.5 20.8 31.2

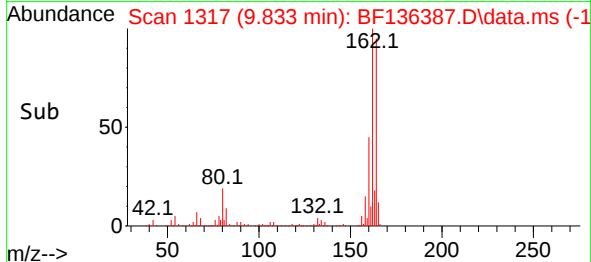
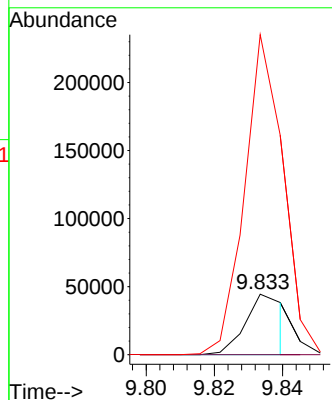
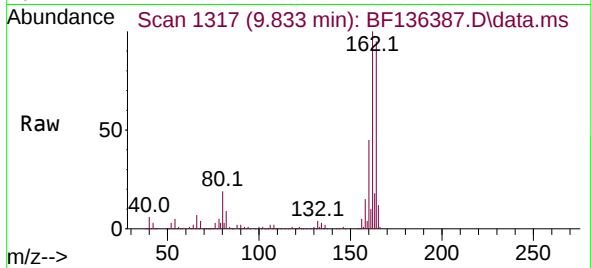




#50
Dimethylphthalate
Concen: 2.516 ng
RT: 9.833 min Scan# 11
Delta R.T. 0.265 min
Lab File: BF136387.D
Acq: 04 Dec 2023 17:59

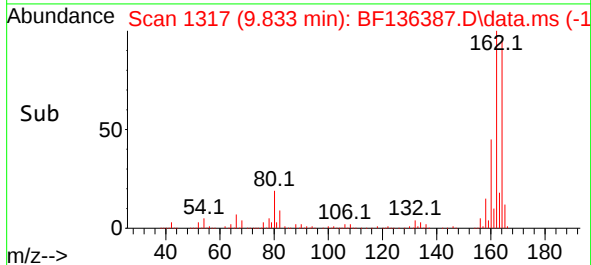
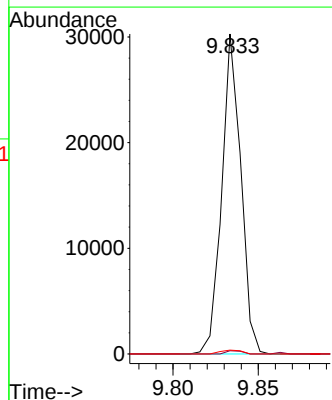
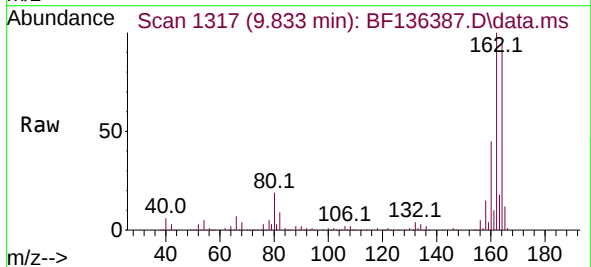
Instrument :
BNA_F
ClientSampleId :

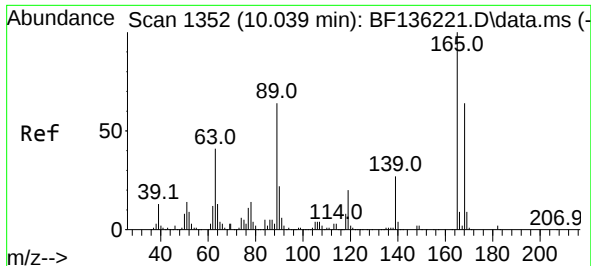
Tgt Ion:163 Resp: 35261
Ion Ratio Lower Upper
163 100
194 0.0 2.5 3.7#
164 528.6 7.0 10.6#



#51
2,6-Dinitrotoluene
Concen: 8.238 ng
RT: 9.833 min Scan# 1317
Delta R.T. 0.206 min
Lab File: BF136387.D
Acq: 04 Dec 2023 17:59

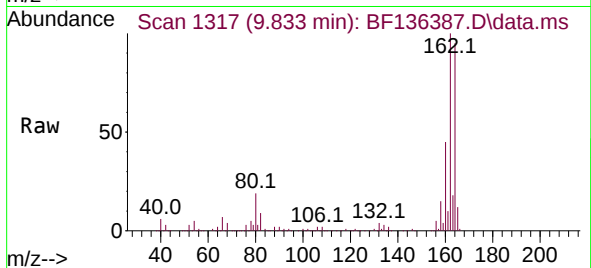
Tgt Ion:165 Resp: 23584
Ion Ratio Lower Upper
165 100
63 1.0 46.2 69.2#
89 1.2 44.9 67.3#



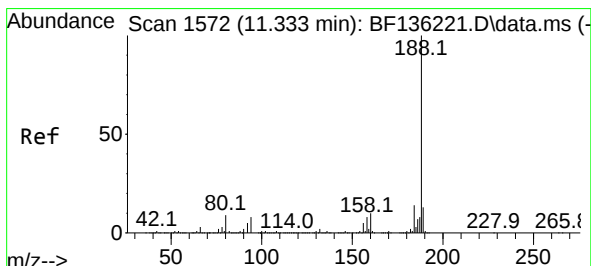
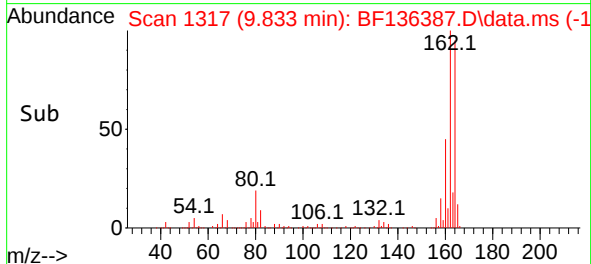
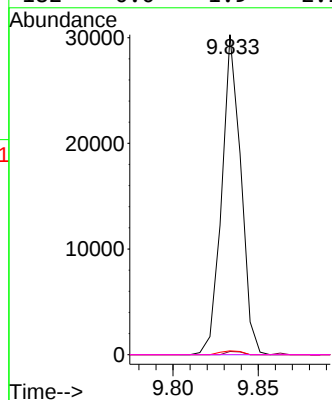


#57
2,4-Dinitrotoluene
Concen: 6.167 ng
RT: 9.833 min Scan# 11
Delta R.T. -0.200 min
Lab File: BF136387.D
Acq: 04 Dec 2023 17:59

Instrument :
BNA_F
ClientSampleId :

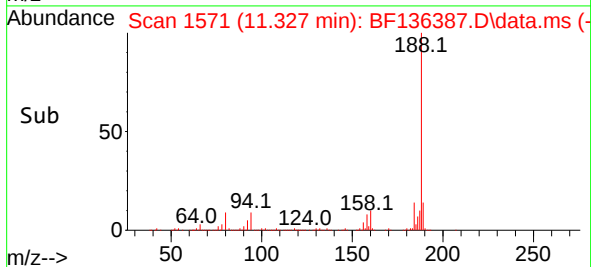
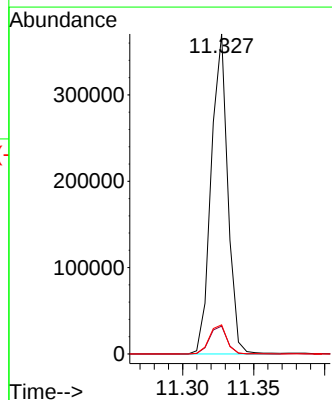
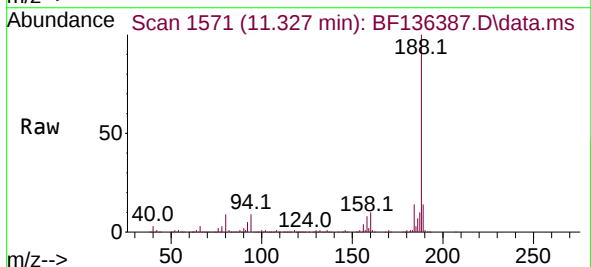


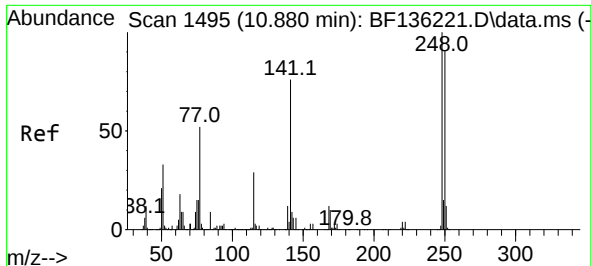
Tgt Ion:165 Resp: 23584
Ion Ratio Lower Upper
165 100
63 1.0 33.0 49.4#
89 1.2 51.5 77.3#
182 0.0 1.9 2.9#



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.327 min Scan# 1571
Delta R.T. 0.000 min
Lab File: BF136387.D
Acq: 04 Dec 2023 17:59

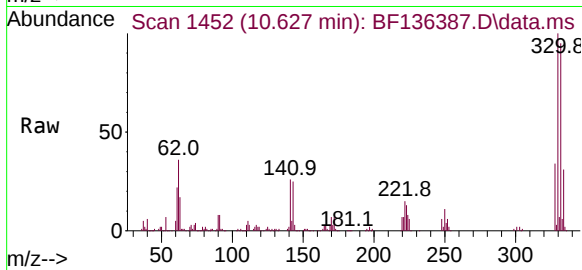
Tgt Ion:188 Resp: 301420
Ion Ratio Lower Upper
188 100
94 8.7 6.7 10.1
80 9.1 7.2 10.8



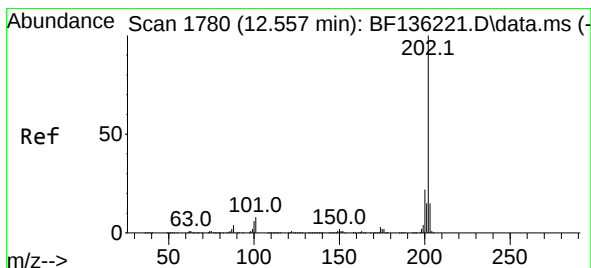
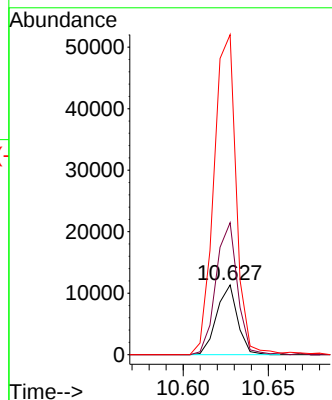
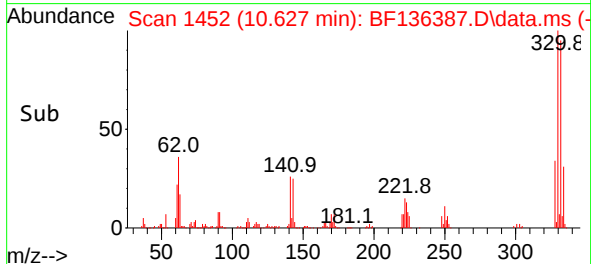


#67
4-Bromophenyl-phenylether
Concen: 2.746 ng
RT: 10.627 min Scan# 1495
Delta R.T. -0.247 min
Lab File: BF136387.D
Acq: 04 Dec 2023 17:59

Instrument :
BNA_F
ClientSampleId :

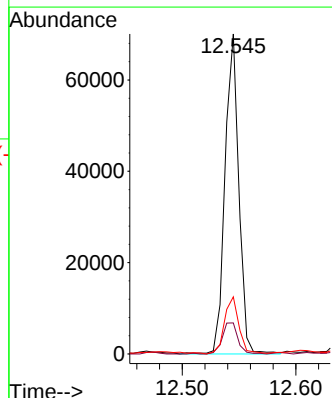
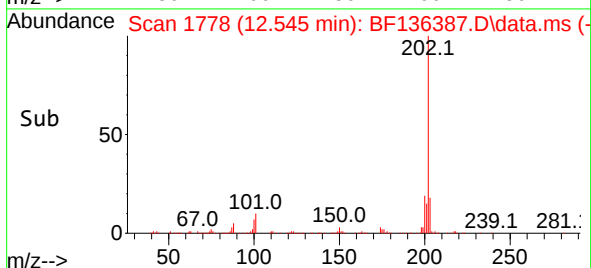
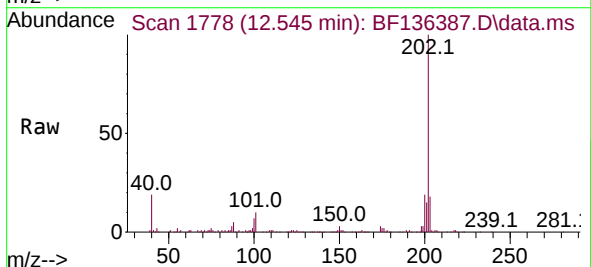


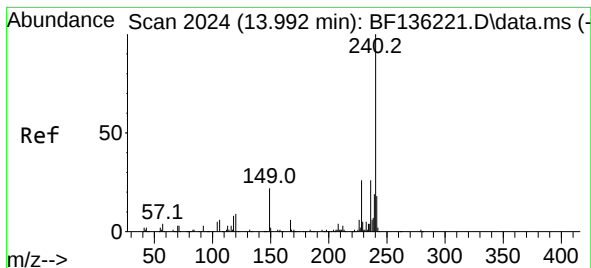
Tgt Ion:248 Resp: 9657
Ion Ratio Lower Upper
248 100
250 189.4 72.5 108.7#
141 458.8 60.8 91.2#



#75
Fluoranthene
Concen: 3.456 ng
RT: 12.545 min Scan# 1778
Delta R.T. 0.000 min
Lab File: BF136387.D
Acq: 04 Dec 2023 17:59

Tgt Ion:202 Resp: 59442
Ion Ratio Lower Upper
202 100
101 9.7 0.0 27.8
203 17.9 0.0 34.5





#76

Chrysene-d12

Concen: 20.000 ng

RT: 13.980 min Scan# 20

Delta R.T. 0.000 min

Lab File: BF136387.D

Acq: 04 Dec 2023 17:59

Instrument :

BNA_F

ClientSampleId :

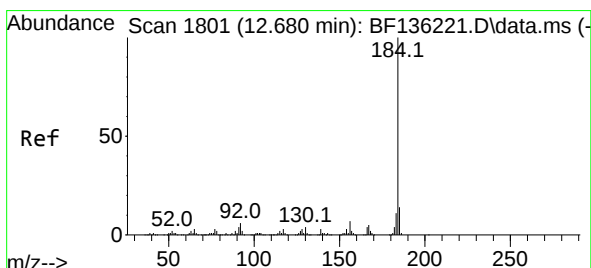
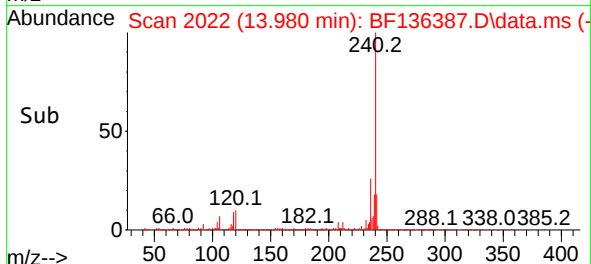
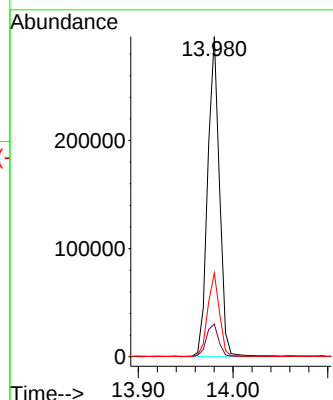
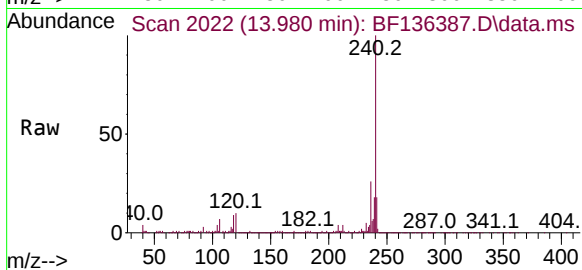
Tgt Ion:240 Resp: 255770

Ion Ratio Lower Upper

240 100

120 10.2 7.4 11.2

236 26.1 21.1 31.7



#77

Benzidine

Concen: 2.266 ng

RT: 12.921 min Scan# 1842

Delta R.T. 0.253 min

Lab File: BF136387.D

Acq: 04 Dec 2023 17:59

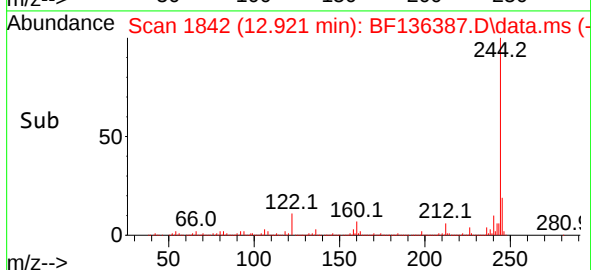
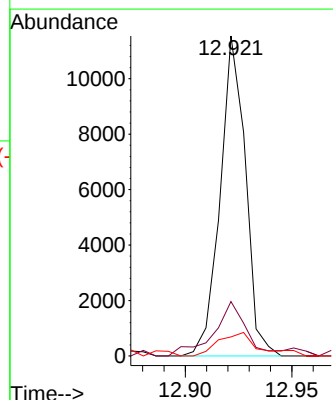
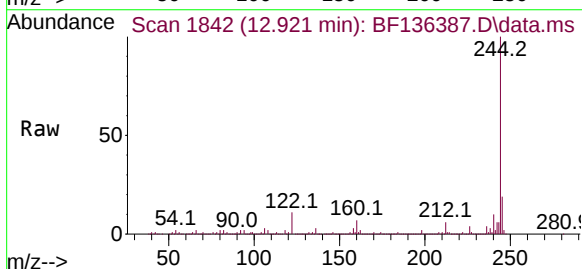
Tgt Ion:184 Resp: 9526

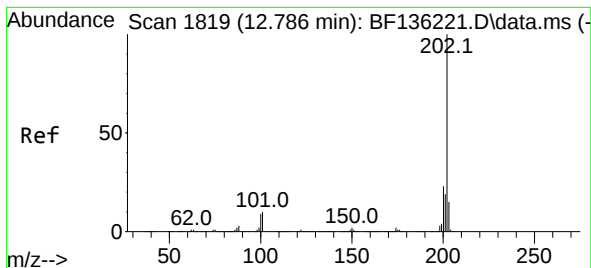
Ion Ratio Lower Upper

184 100

185 17.0 11.0 16.6#

183 6.0 9.0 13.4#





#78

Pyrene

Concen: 2.132 ng

RT: 12.774 min Scan# 1817

Delta R.T. 0.000 min

Lab File: BF136387.D

Acq: 04 Dec 2023 17:59

Instrument :

BNA_F

ClientSampleId :

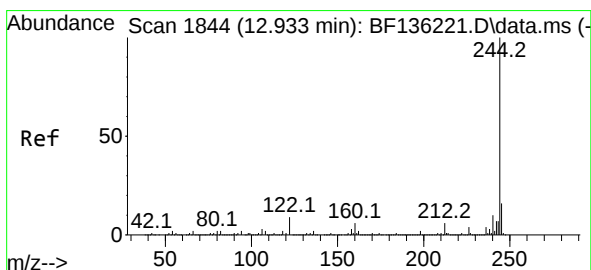
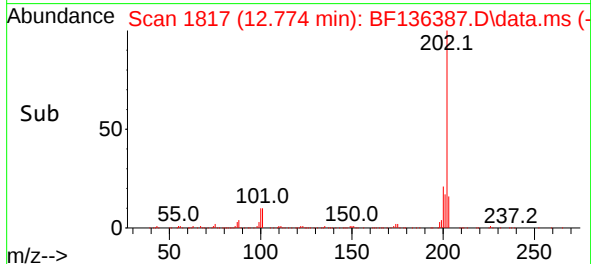
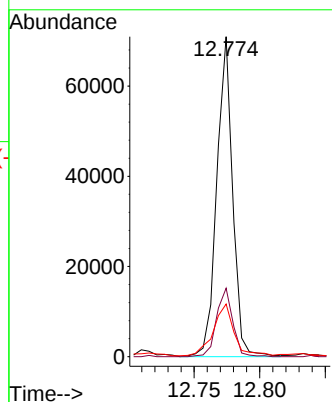
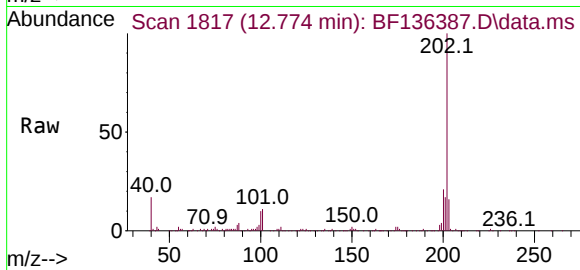
Tgt Ion:202 Resp: 59708

Ion Ratio Lower Upper

202 100

200 21.4 18.4 27.6

203 16.4 11.8 17.6



#79

Terphenyl-d14

Concen: 36.107 ng

RT: 12.921 min Scan# 1842

Delta R.T. -0.006 min

Lab File: BF136387.D

Acq: 04 Dec 2023 17:59

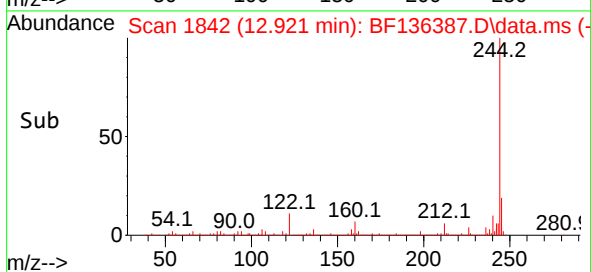
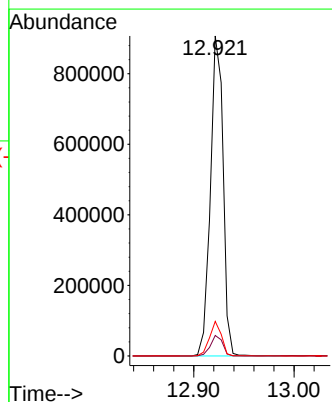
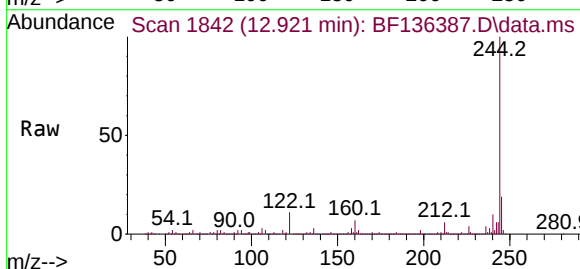
Tgt Ion:244 Resp: 800621

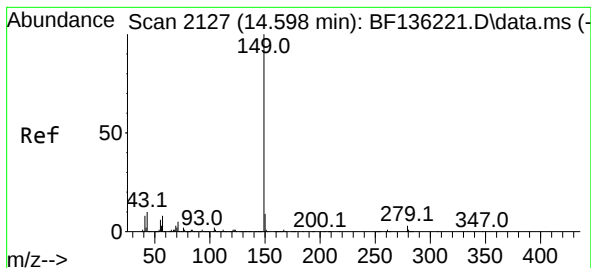
Ion Ratio Lower Upper

244 100

212 6.4 4.6 7.0

122 10.8 7.3 10.9





#85

Di-n-octyl phthalate

Concen: 5.189 ng

RT: 14.574 min Scan# 2127

Delta R.T. -0.012 min

Lab File: BF136387.D

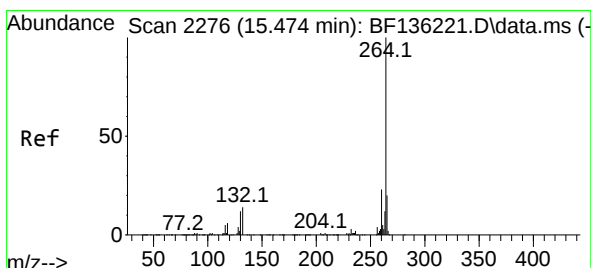
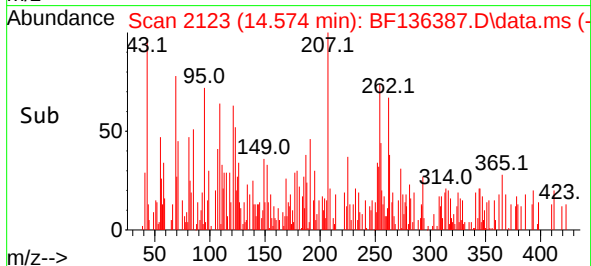
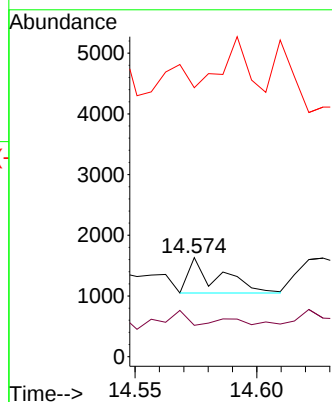
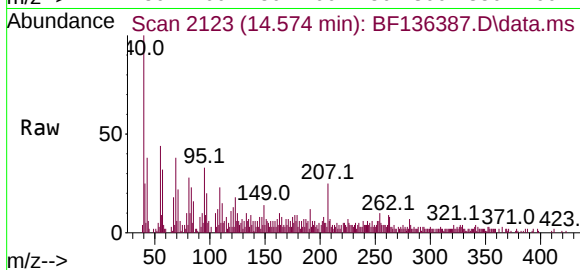
Acq: 04 Dec 2023 17:59

Instrument :

BNA_F

ClientSampleId :

Tgt Ion:	149	Resp:	515
Ion Ratio	100	Lower	Upper
149	100		
167	54.0	1.0	1.6#
43	91.3	7.2	10.8#



#86

Perylene-d12

Concen: 20.000 ng

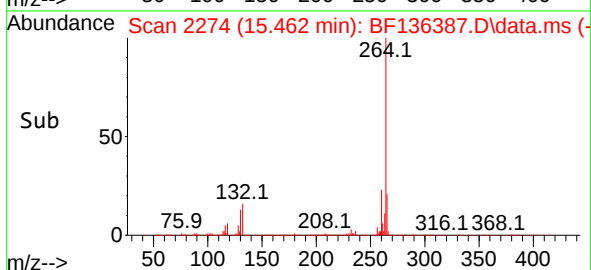
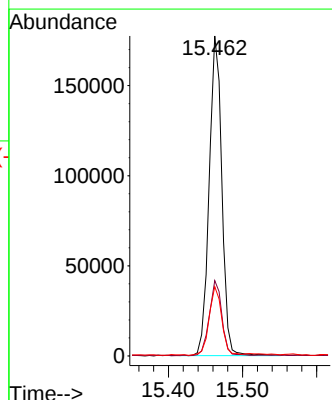
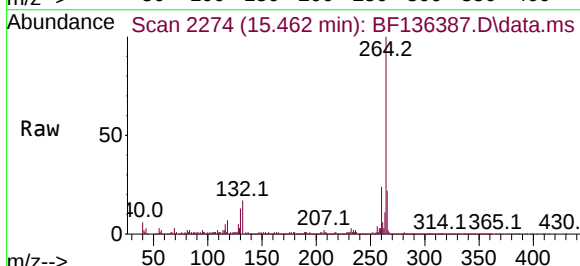
RT: 15.462 min Scan# 2274

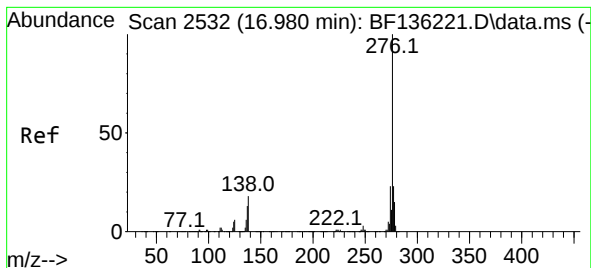
Delta R.T. 0.006 min

Lab File: BF136387.D

Acq: 04 Dec 2023 17:59

Tgt Ion:	264	Resp:	210396
Ion Ratio	100	Lower	Upper
264	100		
260	23.5	18.6	27.8
265	21.7	15.7	23.5





#87

Indeno(1,2,3-cd)pyrene

Concen: 3.364 ng

RT: 16.962 min Scan# 21

Delta R.T. 0.000 min

Lab File: BF136387.D

Acq: 04 Dec 2023 17:59

Instrument :

BNA_F

ClientSampleId :

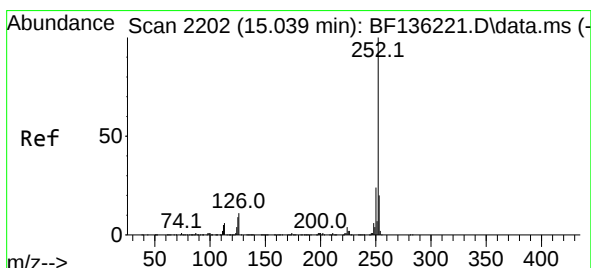
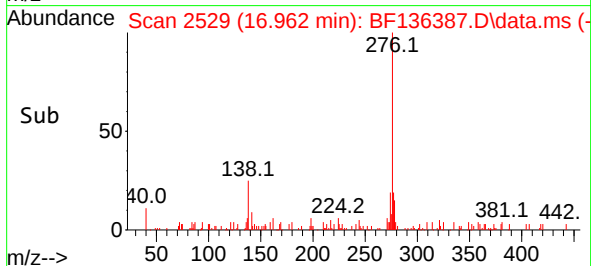
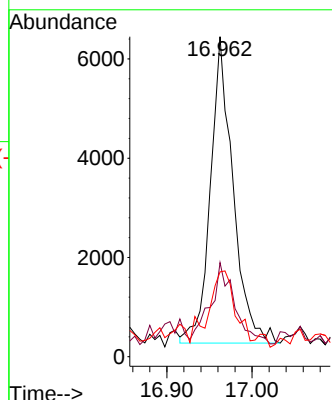
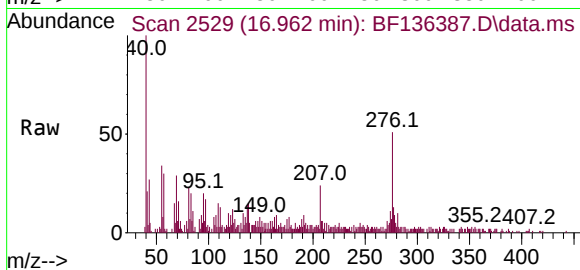
Tgt Ion:276 Resp: 11401

Ion Ratio Lower Upper

276 100

138 28.8 17.7 26.5#

277 27.0 19.6 29.4



#88

Benzo(b)fluoranthene

Concen: 2.857 ng

RT: 15.027 min Scan# 2200

Delta R.T. 0.000 min

Lab File: BF136387.D

Acq: 04 Dec 2023 17:59

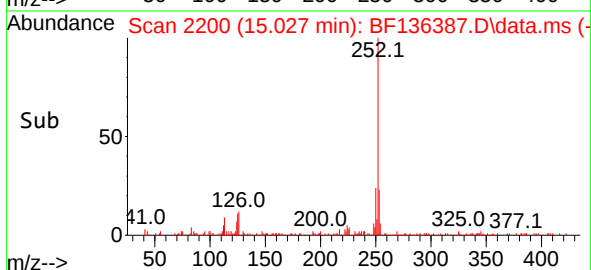
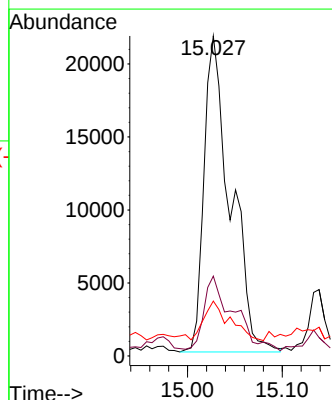
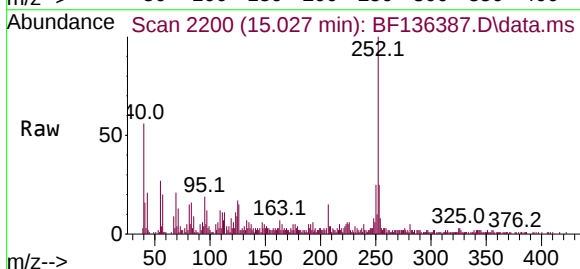
Tgt Ion:252 Resp: 42169

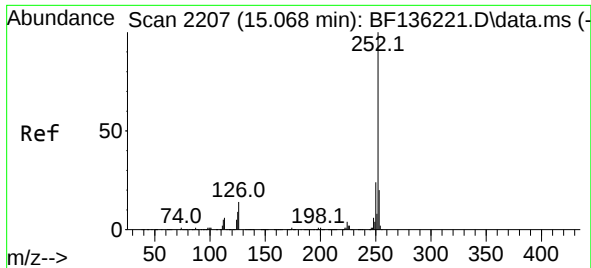
Ion Ratio Lower Upper

252 100

253 24.9 16.2 24.2#

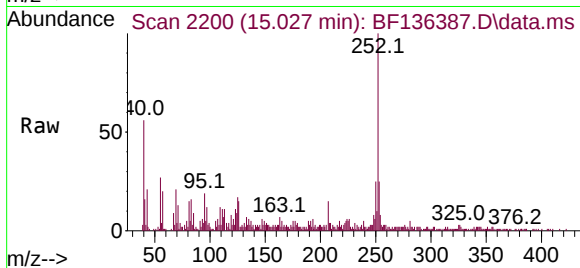
125 17.2 6.9 10.3#



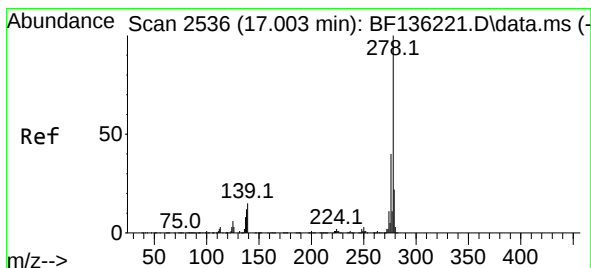
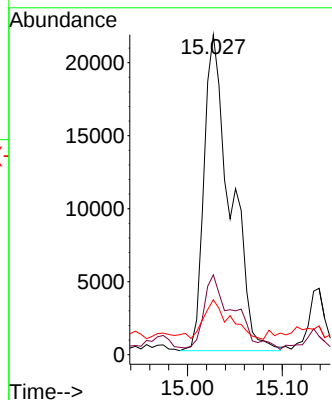
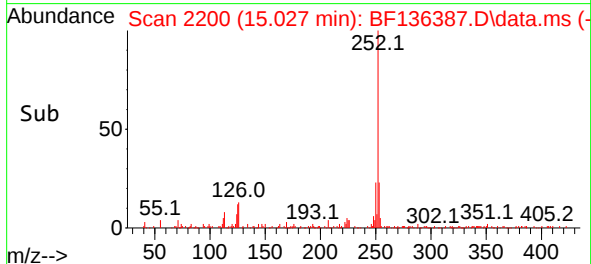


#89
Benzo(k)fluoranthene
Concen: 3.008 ng
RT: 15.027 min Scan# 21
Delta R.T. -0.029 min
Lab File: BF136387.D
Acq: 04 Dec 2023 17:59

Instrument :
BNA_F
ClientSampleId :

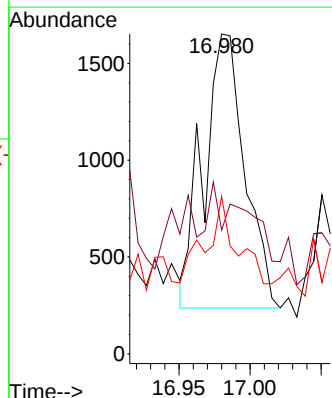
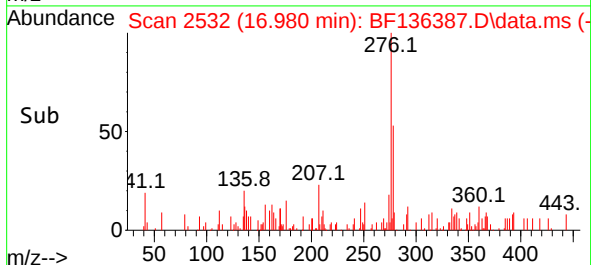
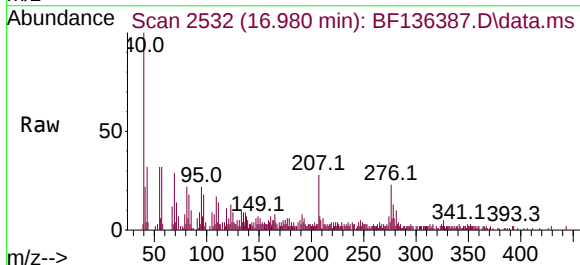


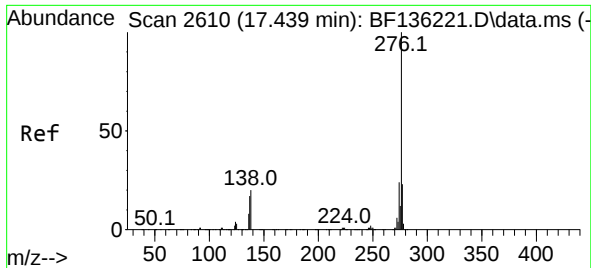
Tgt Ion:252 Resp: 42169
Ion Ratio Lower Upper
252 100
253 24.9 15.6 23.4#
125 17.2 7.0 10.4#



#91
Dibenzo(a,h)anthracene
Concen: 2.927 ng
RT: 16.980 min Scan# 2532
Delta R.T. -0.012 min
Lab File: BF136387.D
Acq: 04 Dec 2023 17:59

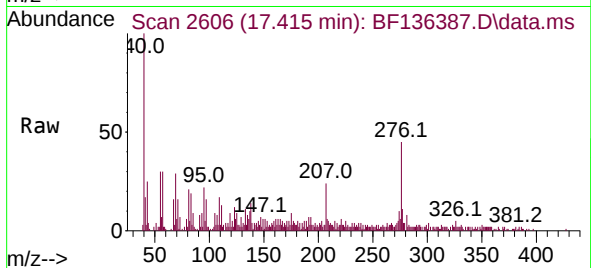
Tgt Ion:278 Resp: 2861
Ion Ratio Lower Upper
278 100
139 38.7 11.7 17.5#
279 49.2 17.8 26.8#





#92
 Benzo(g,h,i)perylene
 Concen: 2.800 ng
 RT: 17.415 min Scan# 2060
 Delta R.T. -0.006 min
 Lab File: BF136387.D
 Acq: 04 Dec 2023 17:59

Instrument :
 BNA_F
 ClientSampleId :



Tgt Ion:276 Resp: 11858
 Ion Ratio Lower Upper
 276 100
 277 23.9 18.6 27.8
 138 31.6 15.8 23.8#

