

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF121823\
 Data File : BF136617.D
 Acq On : 18 Dec 2023 16:34
 Operator : CG\JU
 Sample : 05833-01
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 351

Quant Time: Dec 18 17:25:37 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF120523.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Dec 15 00:33:23 2023
 Response via : Initial Calibration

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

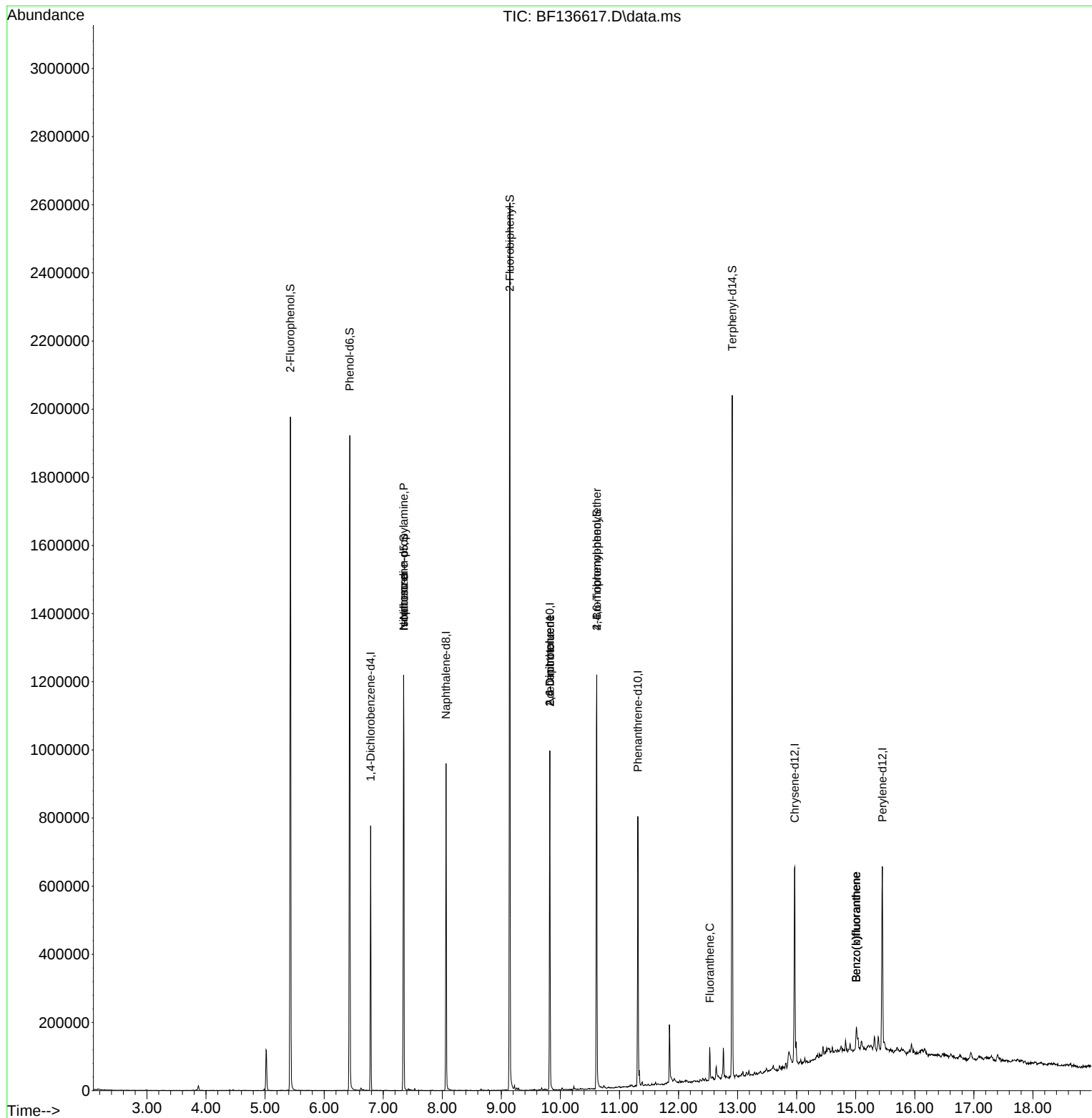
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.787	152	103801	20.000	ng	0.00
21) Naphthalene-d8	8.063	136	387788	20.000	ng	0.00
39) Acenaphthene-d10	9.822	164	185854	20.000	ng	0.00
64) Phenanthrene-d10	11.310	188	289041	20.000	ng	0.00
76) Chrysene-d12	13.969	240	205612	20.000	ng	0.00
86) Perylene-d12	15.451	264	251128	20.000	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.428	112	551699	78.493	ng	0.00
7) Phenol-d6	6.434	99	665431	75.882	ng	0.00
23) Nitrobenzene-d5	7.345	82	401898	56.027	ng	-0.01
42) 2,4,6-Tribromophenol	10.616	330	163360	71.287	ng	0.00
45) 2-Fluorobiphenyl	9.145	172	842433	61.850	ng	0.00
79) Terphenyl-d14	12.910	244	686983	44.038	ng	0.00
Target Compounds						
					Qvalue	
9) Benzaldehyde	6.340	77	145	Below Cal	#	43
19) n-Nitroso-di-n-propyla...	7.345	70	52102	10.300	ng	# 75
25) Isophorone	7.345	82	401894	31.185	ng	# 65
51) 2,6-Dinitrotoluene	9.822	165	23810	7.735	ng	# 29
57) 2,4-Dinitrotoluene	9.822	165	23810	5.847	ng	# 28
67) 4-Bromophenyl-phenylether	10.616	248	9229	2.746	ng	# 1
75) Fluoranthene	12.527	202	37566	2.256	ng	96
77) Benzidine	12.910	184	8140	Below Cal	#	92
88) Benzo(b)fluoranthene	15.010	252	48881	2.847	ng	# 95
89) Benzo(k)fluoranthene	15.010	252	48881	3.021	ng	# 95

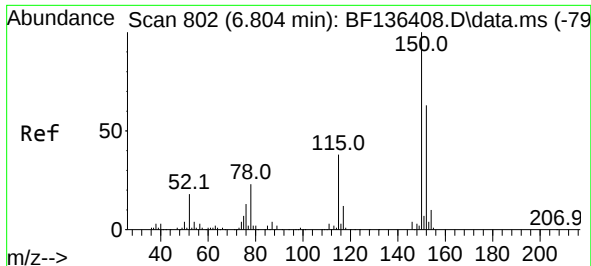
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF121823\
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Quant Time: Dec 18 17:25:37 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF120523.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Dec 15 00:33:23 2023
Response via : Initial Calibration

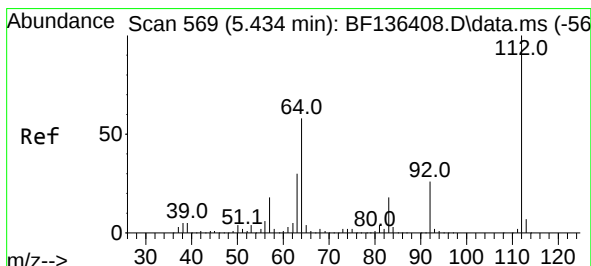
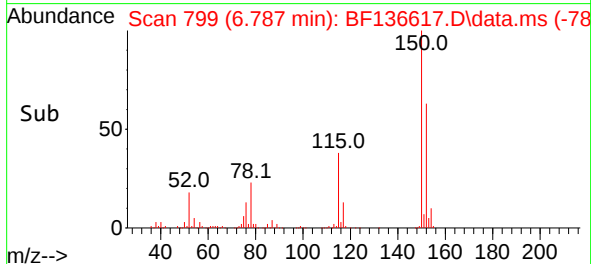
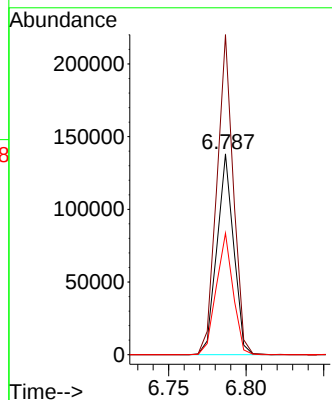
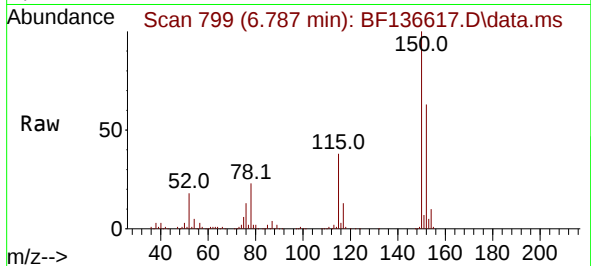




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.787 min Scan# 79
Delta R.T. -0.000 min
Lab File: BF136617.D
Acq: 18 Dec 2023 16:34

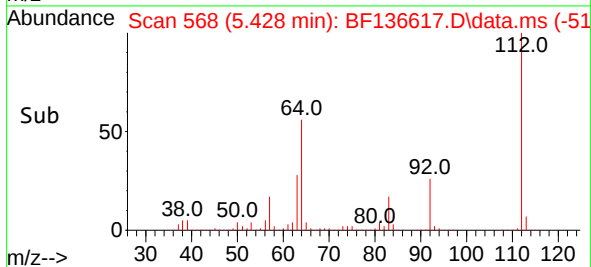
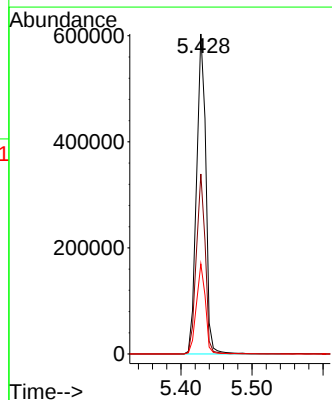
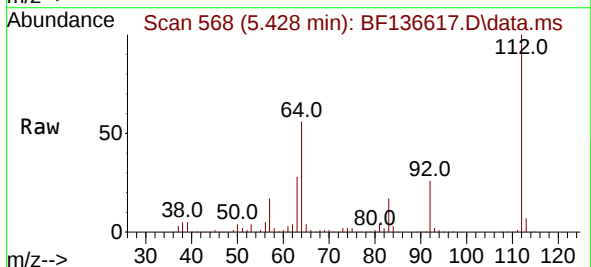
Instrument :
BNA_F
ClientSampleId :
351

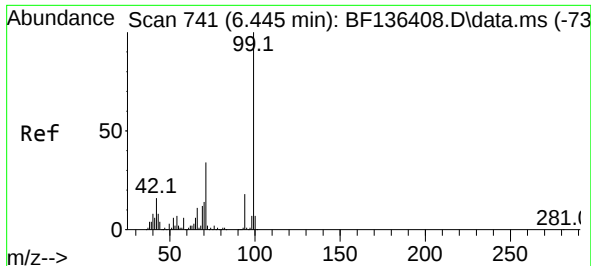
Tgt Ion:152 Resp: 103801
Ion Ratio Lower Upper
152 100
150 159.4 126.4 189.6
115 60.5 48.2 72.4



#5
2-Fluorophenol
Concen: 78.493 ng
RT: 5.428 min Scan# 568
Delta R.T. 0.006 min
Lab File: BF136617.D
Acq: 18 Dec 2023 16:34

Tgt Ion:112 Resp: 551699
Ion Ratio Lower Upper
112 100
64 56.2 46.5 69.7
63 28.1 23.9 35.9

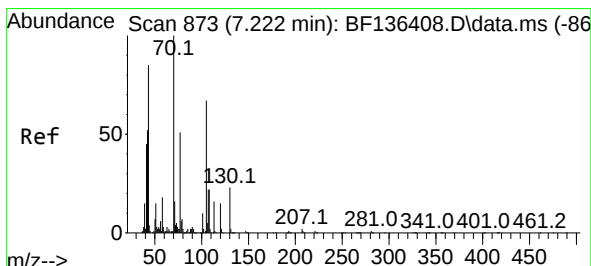
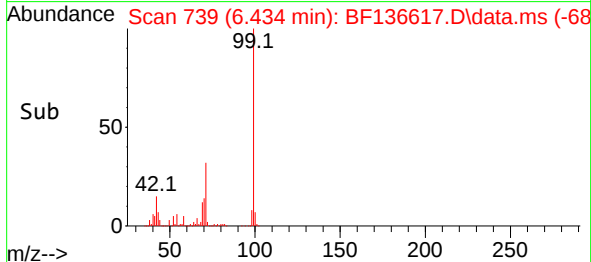
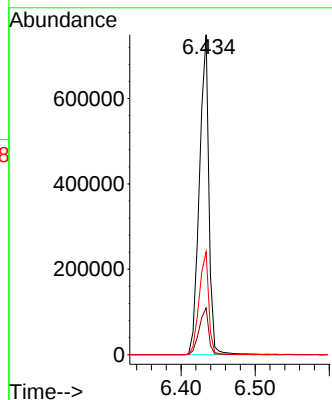
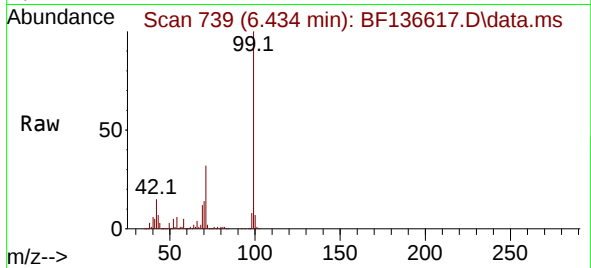




#7
Phenol-d6
Concen: 75.882 ng
RT: 6.434 min Scan# 71
Delta R.T. 0.000 min
Lab File: BF136617.D
Acq: 18 Dec 2023 16:34

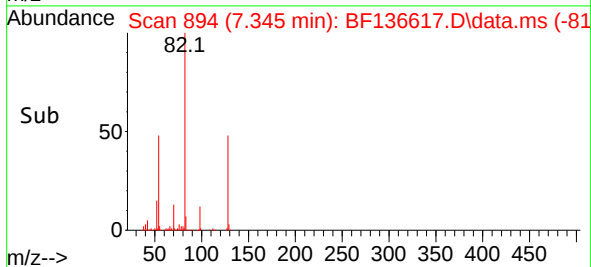
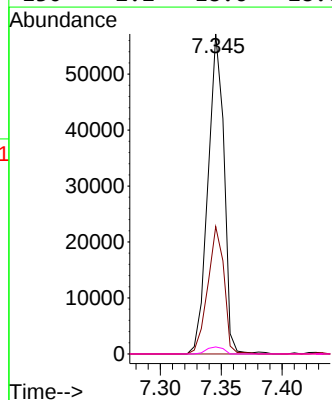
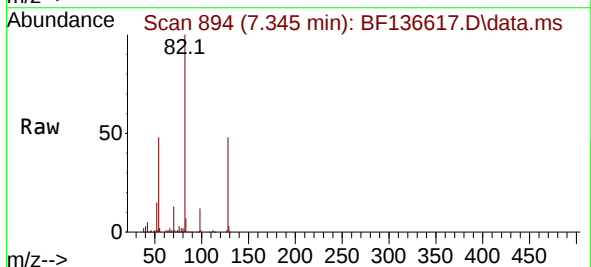
Instrument :
BNA_F
ClientSampleId :
351

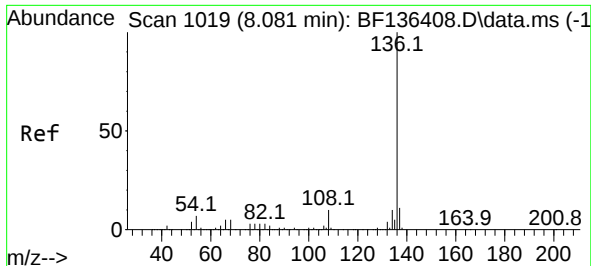
Tgt Ion: 99 Resp: 665431
Ion Ratio Lower Upper
99 100
42 14.6 12.8 19.2
71 32.2 27.0 40.4



#19
n-Nitroso-di-n-propylamine
Concen: 10.300 ng
RT: 7.345 min Scan# 894
Delta R.T. 0.141 min
Lab File: BF136617.D
Acq: 18 Dec 2023 16:34

Tgt Ion: 70 Resp: 52102
Ion Ratio Lower Upper
70 100
42 39.8 41.4 62.0#
101 0.0 8.2 12.4#
130 2.2 18.6 28.0#



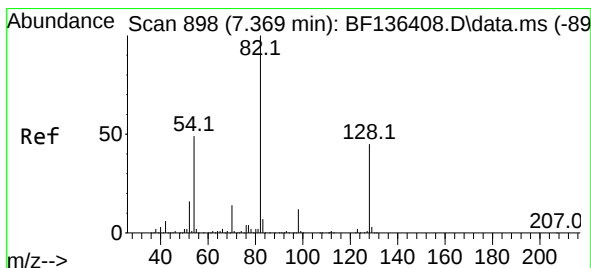
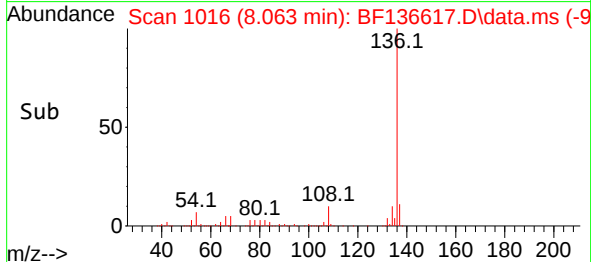
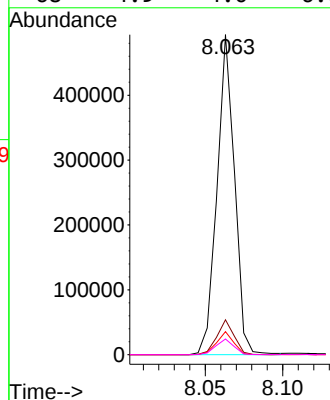
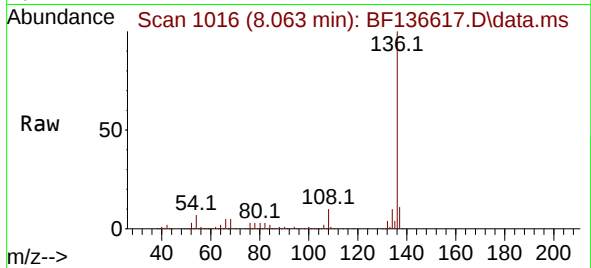


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.063 min Scan# 1016
Delta R.T. -0.006 min
Lab File: BF136617.D
Acq: 18 Dec 2023 16:34

Instrument :
BNA_F
ClientSampleId :
351

Tgt Ion:136 Resp: 387788

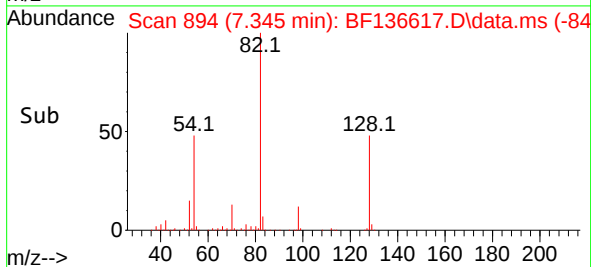
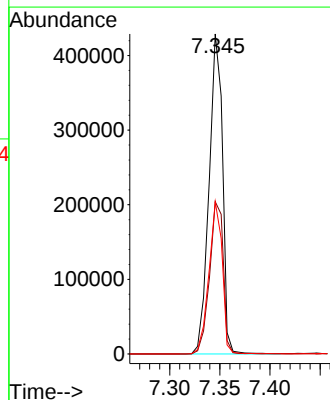
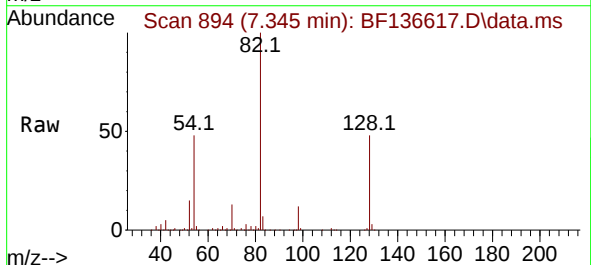
Ion	Ratio	Lower	Upper
136	100		
137	10.9	8.6	12.8
54	7.2	5.7	8.5
68	4.9	4.0	6.0

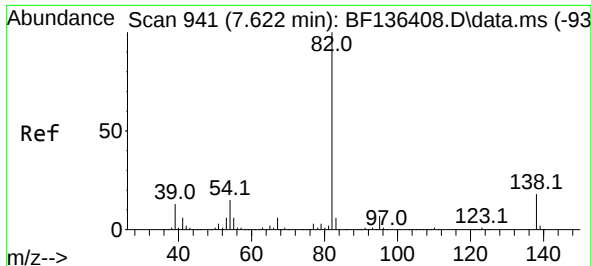


#23
Nitrobenzene-d5
Concen: 56.027 ng
RT: 7.345 min Scan# 894
Delta R.T. -0.012 min
Lab File: BF136617.D
Acq: 18 Dec 2023 16:34

Tgt Ion: 82 Resp: 401898

Ion	Ratio	Lower	Upper
82	100		
128	47.6	36.3	54.5
54	47.5	39.0	58.6

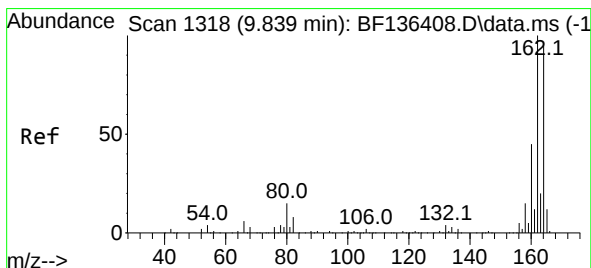
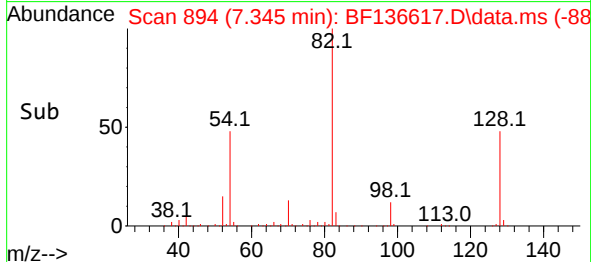
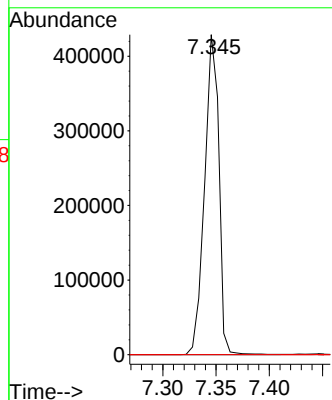
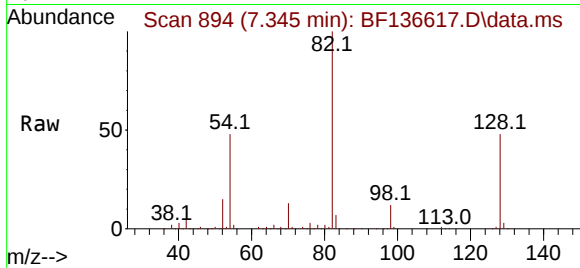




#25
Isophorone
Concen: 31.185 ng
RT: 7.345 min Scan# 894
Delta R.T. -0.265 min
Lab File: BF136617.D
Acq: 18 Dec 2023 16:34

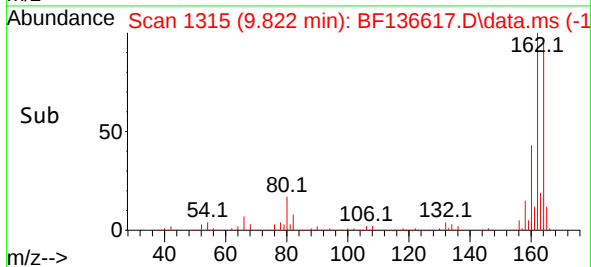
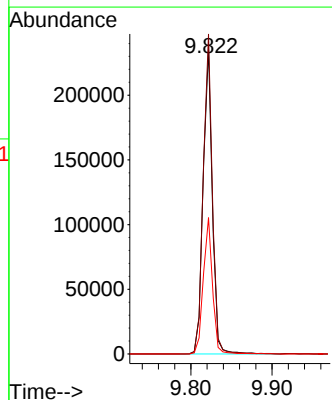
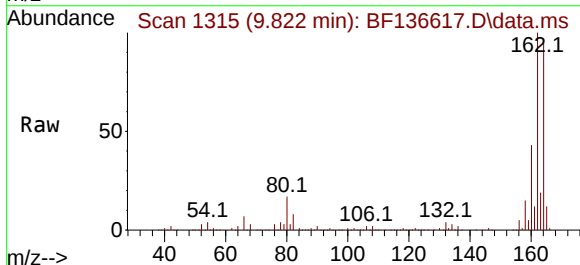
Instrument :
BNA_F
ClientSampleId :
351

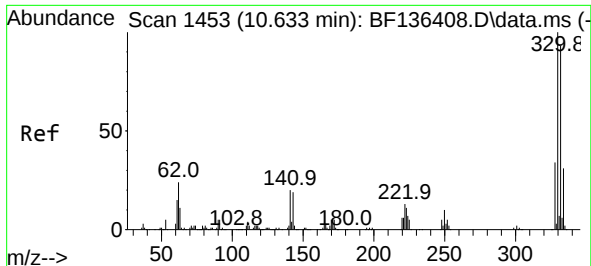
Tgt Ion: 82 Resp: 401894
Ion Ratio Lower Upper
82 100
95 0.0 5.7 8.5#
138 0.0 14.5 21.7#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.822 min Scan# 1315
Delta R.T. -0.006 min
Lab File: BF136617.D
Acq: 18 Dec 2023 16:34

Tgt Ion:164 Resp: 185854
Ion Ratio Lower Upper
164 100
162 105.1 84.4 126.6
160 44.8 37.6 56.4





#42

2,4,6-Tribromophenol

Concen: 71.287 ng

RT: 10.616 min Scan# 1453

Delta R.T. -0.006 min

Lab File: BF136617.D

Acq: 18 Dec 2023 16:34

Instrument :

BNA_F

ClientSampleId :

351

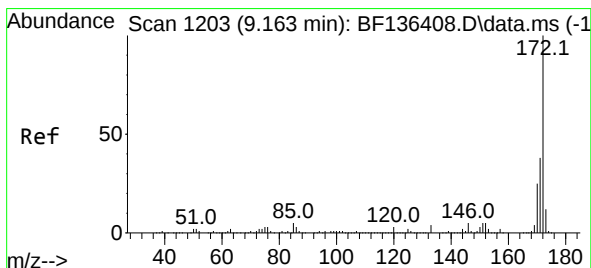
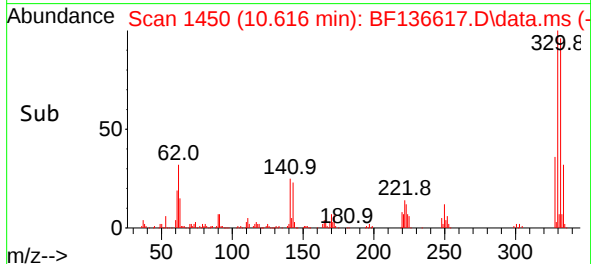
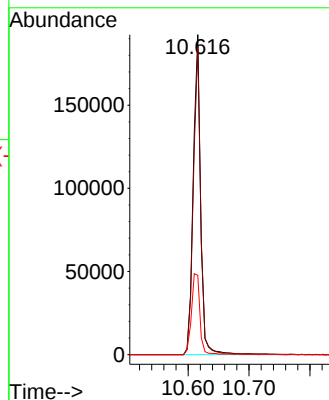
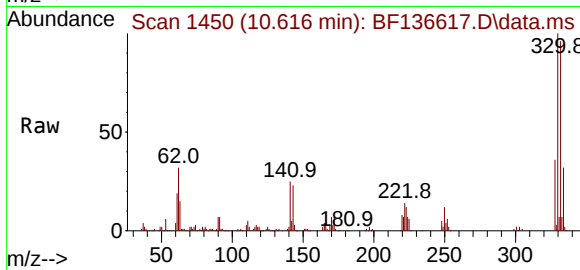
Tgt Ion:330 Resp: 163360

Ion Ratio Lower Upper

330 100

332 95.9 76.4 114.6

141 28.9 23.4 35.2



#45

2-Fluorobiphenyl

Concen: 61.850 ng

RT: 9.145 min Scan# 1200

Delta R.T. 0.000 min

Lab File: BF136617.D

Acq: 18 Dec 2023 16:34

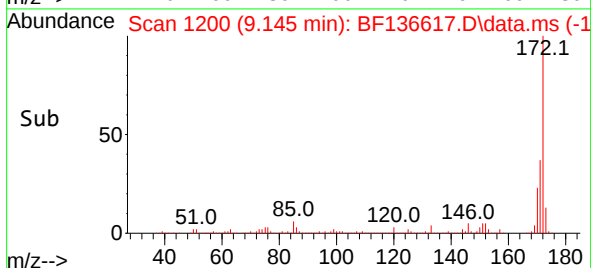
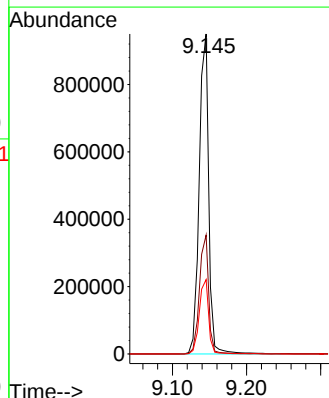
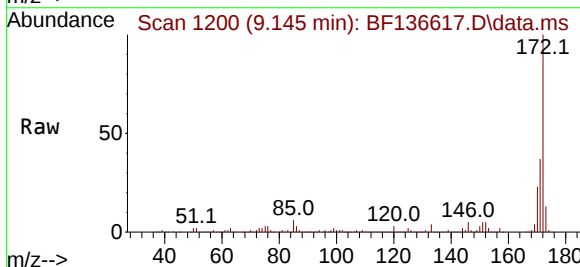
Tgt Ion:172 Resp: 842433

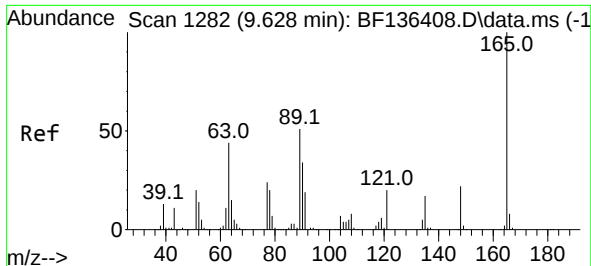
Ion Ratio Lower Upper

172 100

171 37.2 30.5 45.7

170 23.3 19.9 29.9





#51

2,6-Dinitrotoluene

Concen: 7.735 ng

RT: 9.822 min Scan# 11

Delta R.T. 0.206 min

Lab File: BF136617.D

Acq: 18 Dec 2023 16:34

Instrument :

BNA_F

ClientSampleId :

351

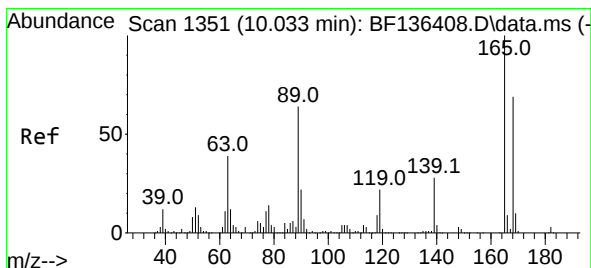
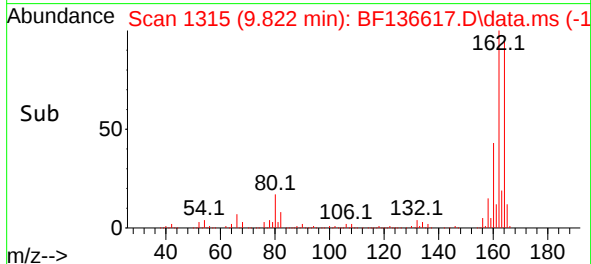
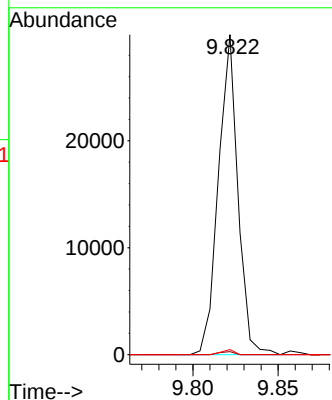
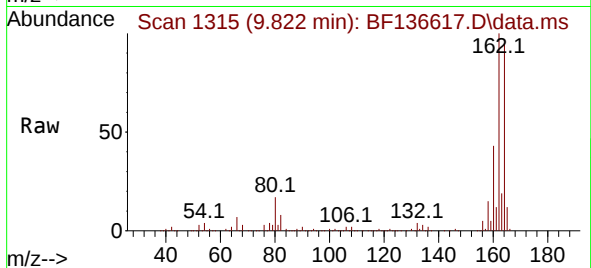
Tgt Ion:165 Resp: 23810

Ion Ratio Lower Upper

165 100

63 1.0 40.4 60.6#

89 1.6 40.6 60.8#



#57

2,4-Dinitrotoluene

Concen: 5.847 ng

RT: 9.822 min Scan# 1315

Delta R.T. -0.200 min

Lab File: BF136617.D

Acq: 18 Dec 2023 16:34

Tgt Ion:165 Resp: 23810

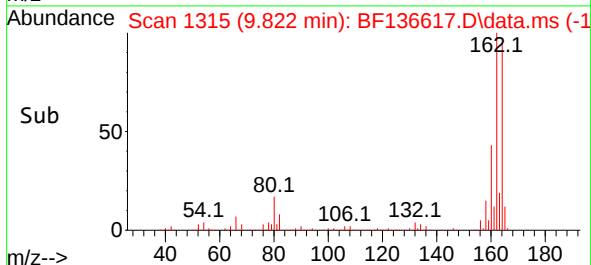
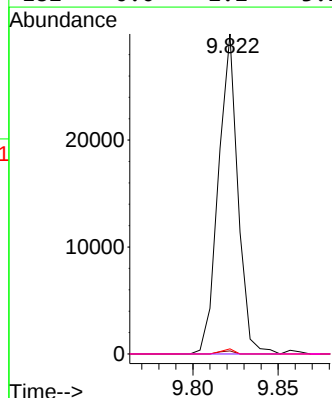
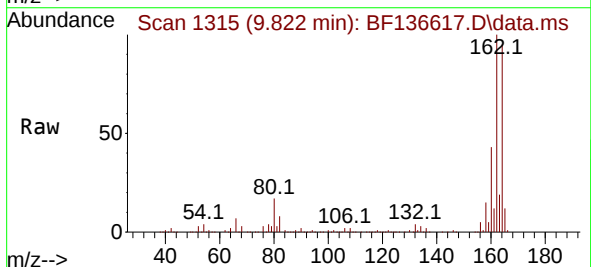
Ion Ratio Lower Upper

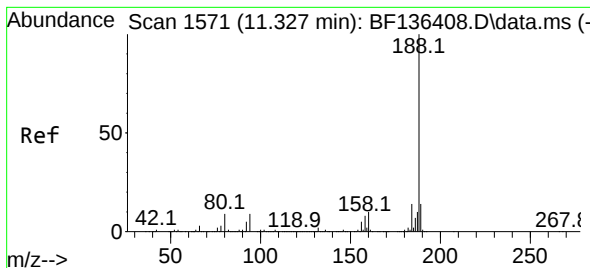
165 100

63 1.0 31.4 47.2#

89 1.6 51.7 77.5#

182 0.0 2.2 3.2#





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.310 min Scan# 1

Delta R.T. -0.006 min

Lab File: BF136617.D

Acq: 18 Dec 2023 16:34

Instrument :

BNA_F

ClientSampleId :

351

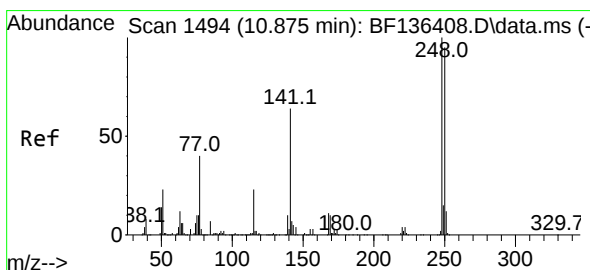
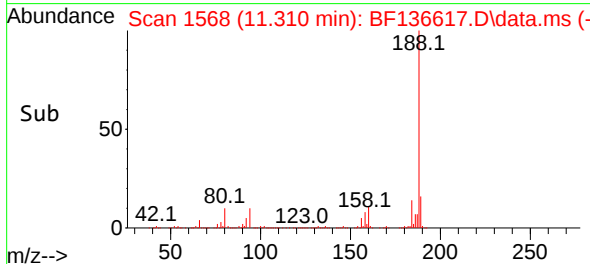
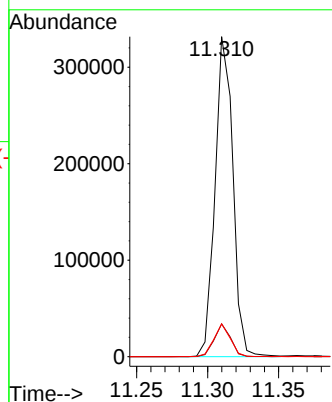
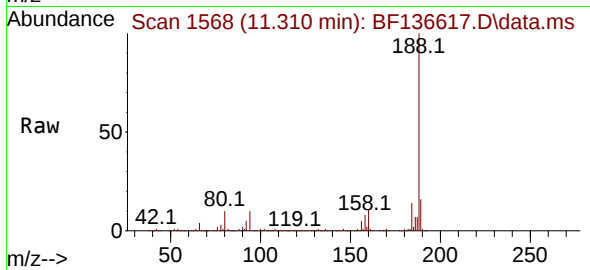
Tgt Ion:188 Resp: 289041

Ion Ratio Lower Upper

188 100

94 10.3 7.2 10.8

80 10.3 7.2 10.8



#67

4-Bromophenyl-phenylether

Concen: 2.746 ng

RT: 10.616 min Scan# 1450

Delta R.T. -0.247 min

Lab File: BF136617.D

Acq: 18 Dec 2023 16:34

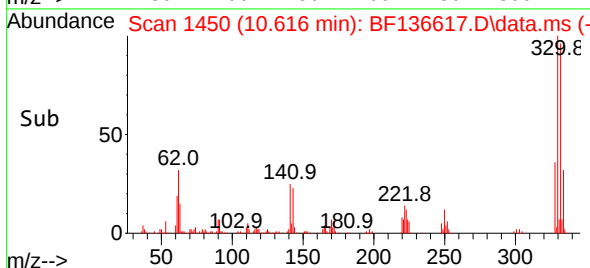
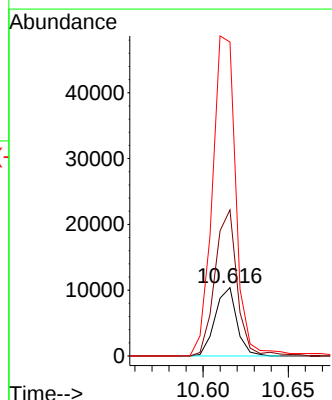
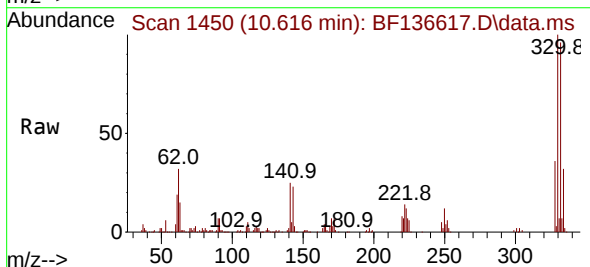
Tgt Ion:248 Resp: 9229

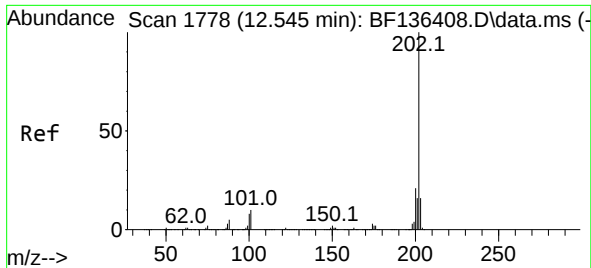
Ion Ratio Lower Upper

248 100

250 213.8 76.2 114.2#

141 459.2 51.0 76.4#

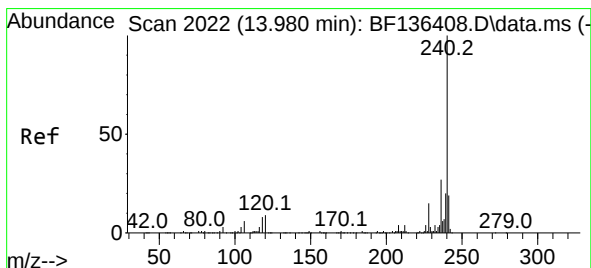
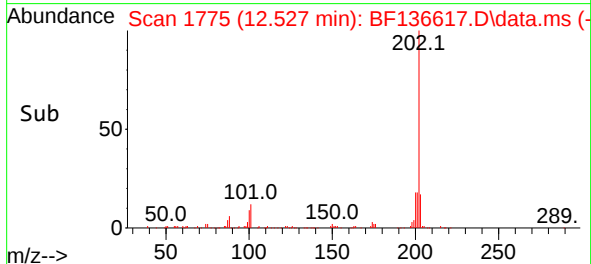
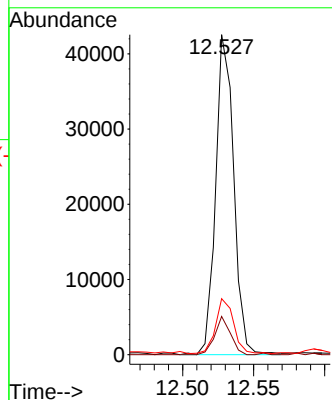
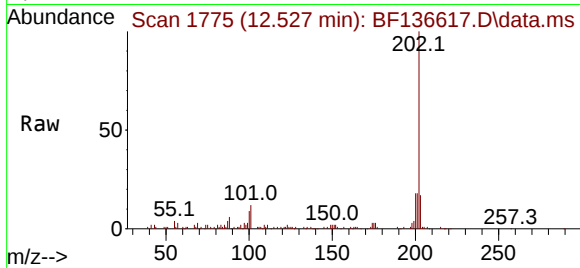




#75
Fluoranthene
Concen: 2.256 ng
RT: 12.527 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF136617.D
Acq: 18 Dec 2023 16:34

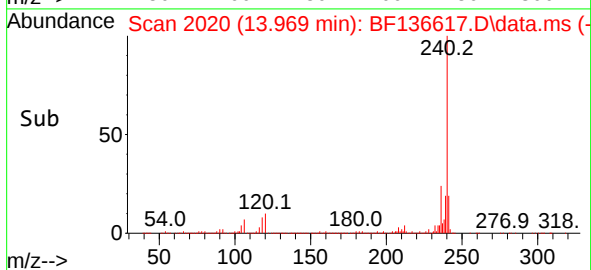
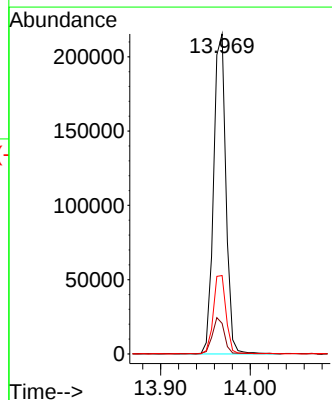
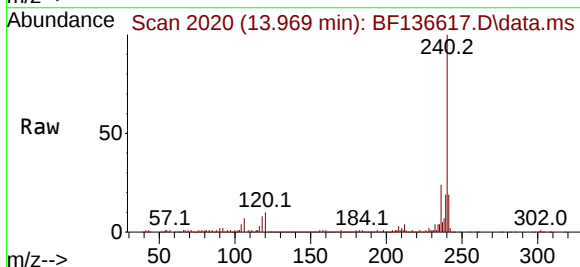
Instrument :
BNA_F
ClientSampleId :
351

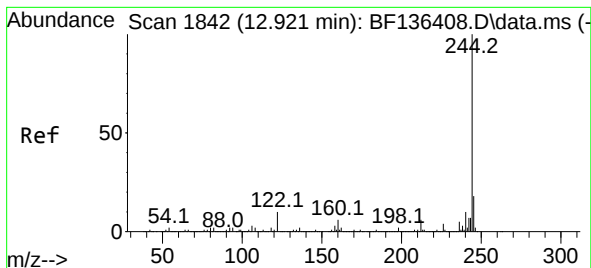
Tgt Ion:202 Resp: 37566
Ion Ratio Lower Upper
202 100
101 12.0 0.0 29.9
203 17.5 0.0 36.3



#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.969 min Scan# 2020
Delta R.T. 0.000 min
Lab File: BF136617.D
Acq: 18 Dec 2023 16:34

Tgt Ion:240 Resp: 205612
Ion Ratio Lower Upper
240 100
120 9.5 7.3 10.9
236 24.5 21.3 31.9





#79

Terphenyl-d14

Concen: 44.038 ng

RT: 12.910 min Scan# 1840

Delta R.T. 0.000 min

Lab File: BF136617.D

Acq: 18 Dec 2023 16:34

Instrument :

BNA_F

ClientSampleId :

351

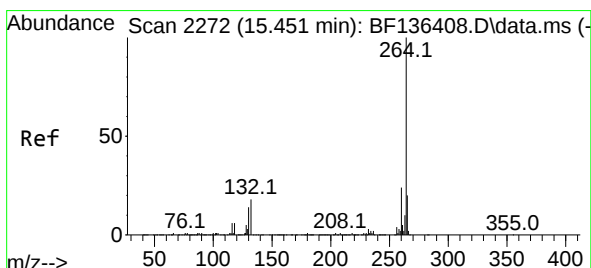
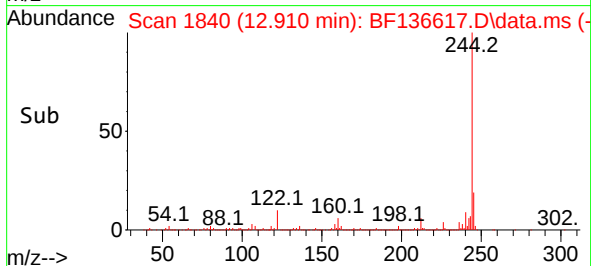
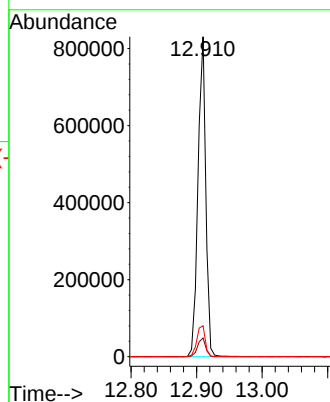
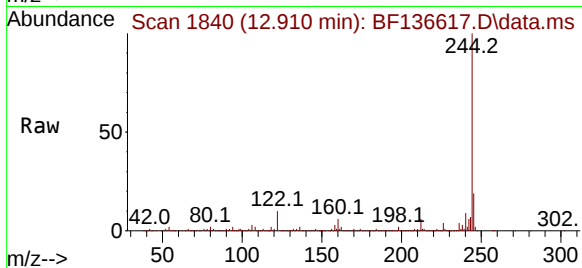
Tgt Ion:244 Resp: 686983

Ion Ratio Lower Upper

244 100

212 5.9 5.0 7.4

122 9.6 8.3 12.5



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.451 min Scan# 2272

Delta R.T. 0.012 min

Lab File: BF136617.D

Acq: 18 Dec 2023 16:34

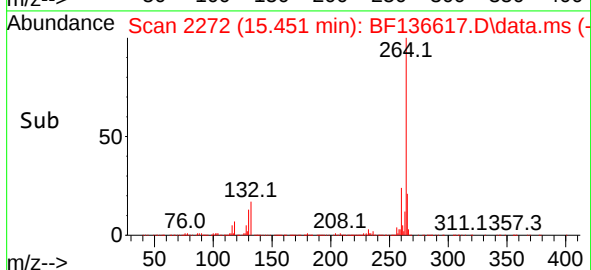
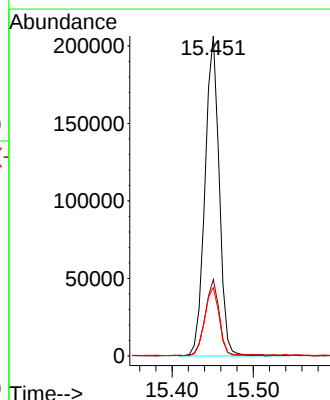
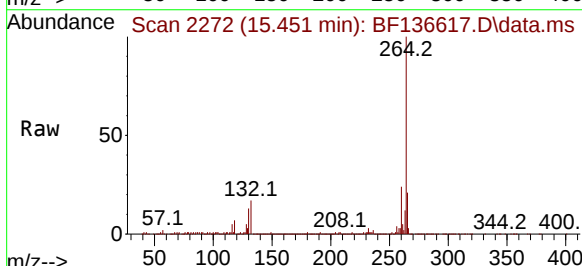
Tgt Ion:264 Resp: 251128

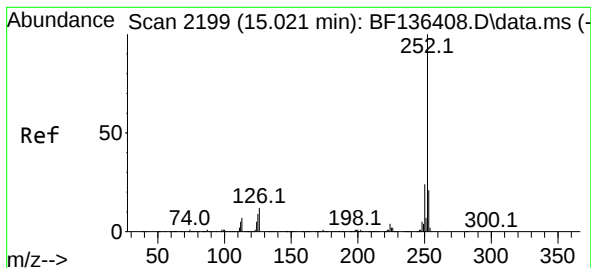
Ion Ratio Lower Upper

264 100

260 23.9 19.2 28.8

265 21.3 15.9 23.9





#88

Benzo(b)fluoranthene

Concen: 2.847 ng

RT: 15.010 min Scan# 2197

Delta R.T. 0.000 min

Lab File: BF136617.D

Acq: 18 Dec 2023 16:34

Instrument :

BNA_F

ClientSampleId :

351

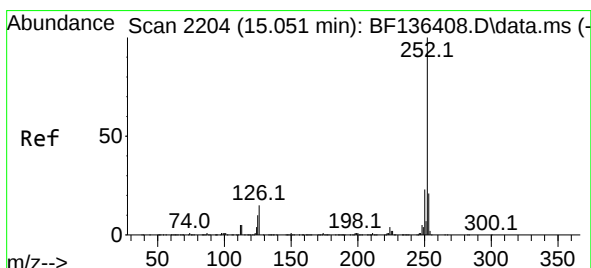
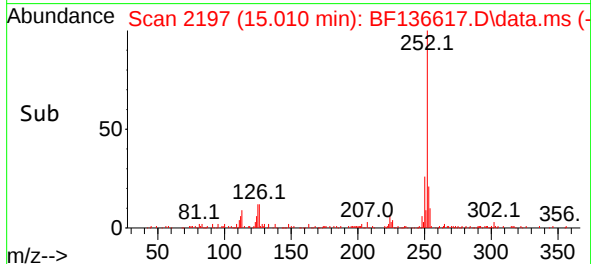
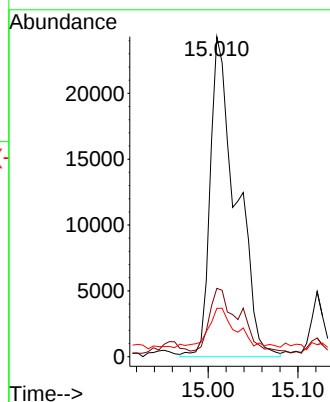
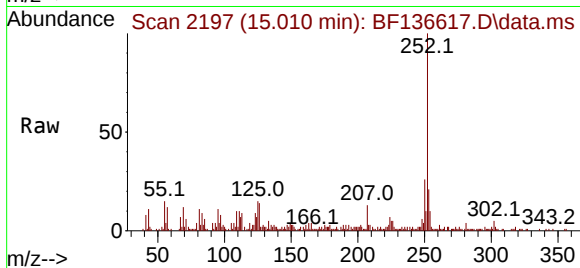
Tgt Ion:252 Resp: 48881

Ion Ratio Lower Upper

252 100

253 21.4 16.9 25.3

125 15.1 7.4 11.2#



#89

Benzo(k)fluoranthene

Concen: 3.021 ng

RT: 15.010 min Scan# 2197

Delta R.T. -0.029 min

Lab File: BF136617.D

Acq: 18 Dec 2023 16:34

Tgt Ion:252 Resp: 48881

Ion Ratio Lower Upper

252 100

253 21.4 16.9 25.3

125 15.1 7.5 11.3#

