

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF110423\
 Data File : BF136145.D
 Acq On : 04 Nov 2023 13:27
 Operator : CG\JU
 Sample : 05243-02
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 F07367

Quant Time: Nov 06 01:00:58 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF103023.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Nov 06 00:53:35 2023
 Response via : Initial Calibration

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

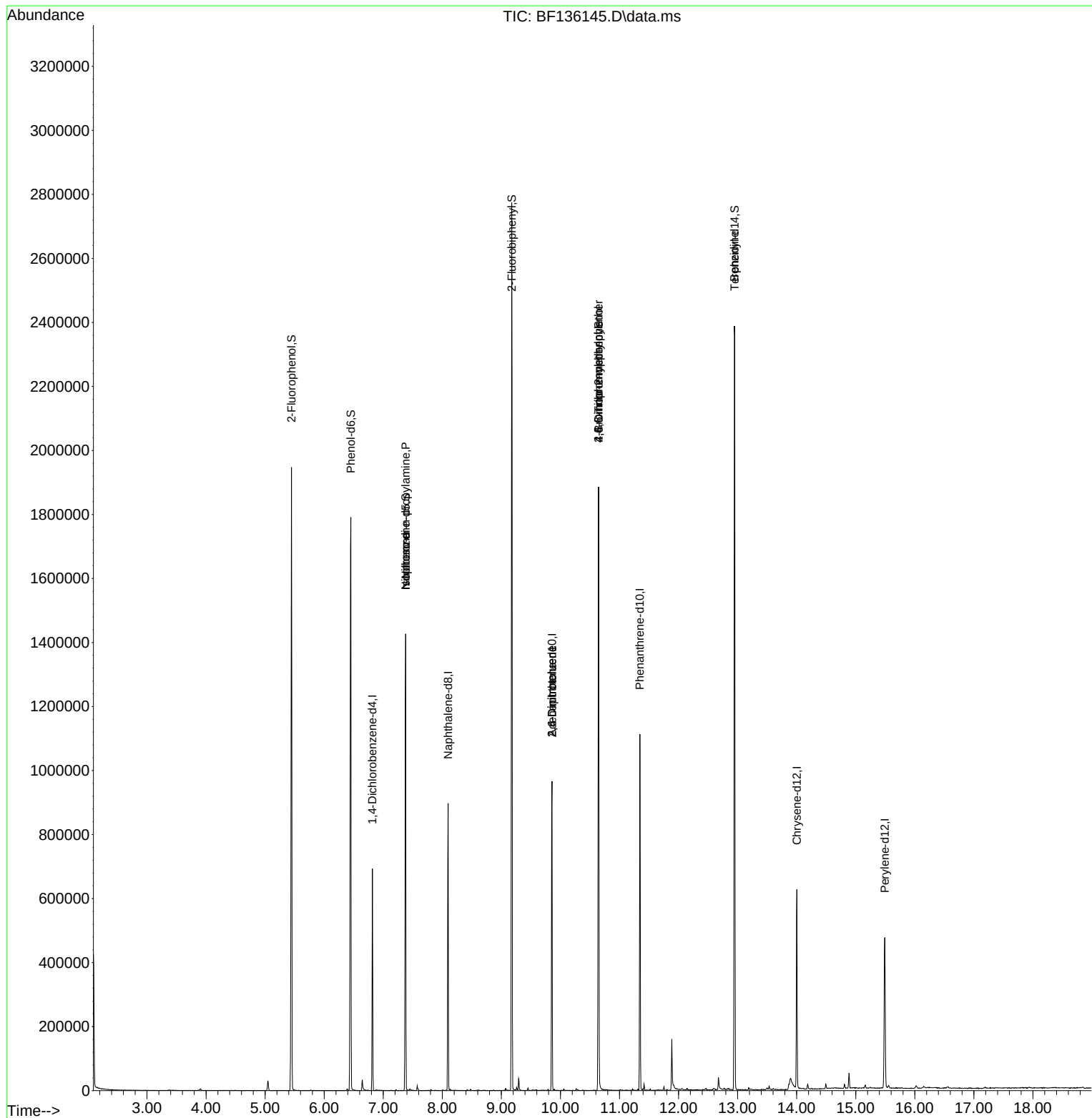
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.816	152	90111	20.000	ng	0.00
21) Naphthalene-d8	8.098	136	361746	20.000	ng	0.00
39) Acenaphthene-d10	9.857	164	193740	20.000	ng	0.00
64) Phenanthrene-d10	11.345	188	377804	20.000	ng	0.00
76) Chrysene-d12	14.004	240	204947	20.000	ng	0.00
86) Perylene-d12	15.492	264	219971	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.446	112	530222	92.463	ng	0.00
7) Phenol-d6	6.451	99	663816	92.910	ng	0.00
23) Nitrobenzene-d5	7.381	82	419668	69.935	ng	0.00
42) 2,4,6-Tribromophenol	10.645	330	215380	104.152	ng	0.00
45) 2-Fluorobiphenyl	9.175	172	810153	66.660	ng	0.00
79) Terphenyl-d14	12.951	244	919625	69.732	ng	0.00
Target Compounds						
						Qvalue
19) n-Nitroso-di-n-propyla...	7.381	70	54724	13.405	ng	# 76
25) Isophorone	7.381	82	419659	37.043	ng	# 64
51) 2,6-Dinitrotoluene	9.857	165	24875	9.101	ng	# 28
57) 2,4-Dinitrotoluene	9.857	165	24875	7.193	ng	# 25
65) 4,6-Dinitro-2-methylph...	10.645	198	619	6.053	ng	# 1
67) 4-Bromophenyl-phenylether	10.645	248	13488	3.405	ng	# 1
77) Benzidine	12.945	184	11180	2.799	ng	# 93

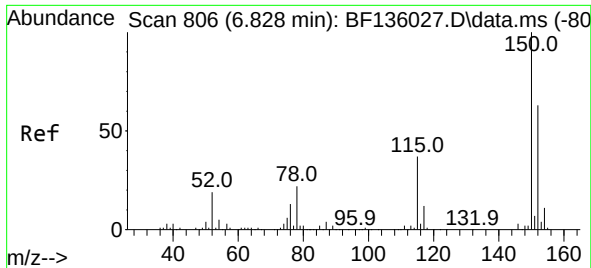
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration

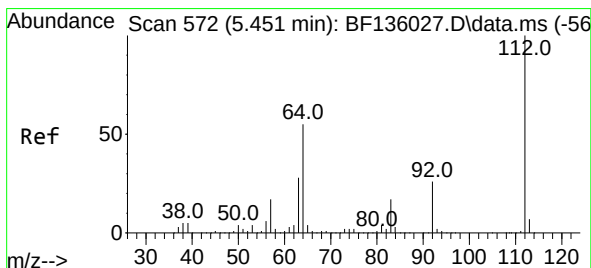
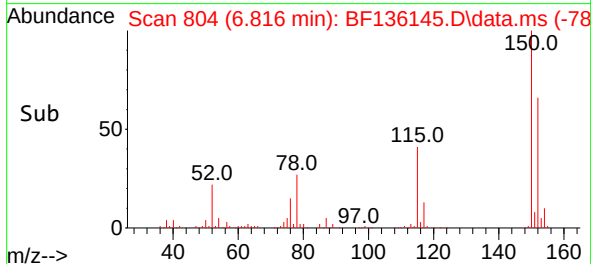
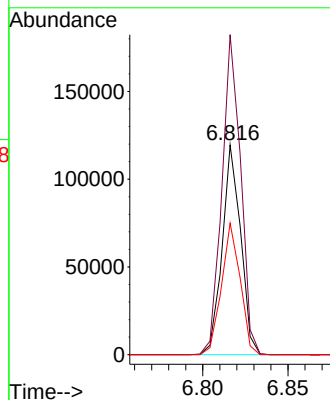
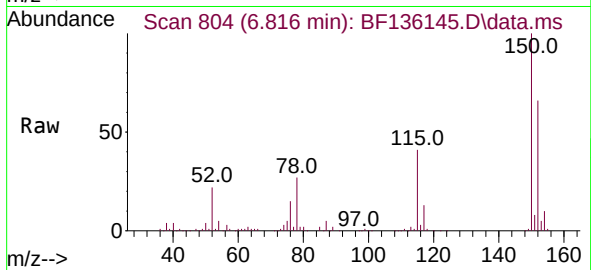




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.816 min Scan# 806
Delta R.T. -0.006 min
Lab File: BF136145.D
Acq: 04 Nov 2023 13:27

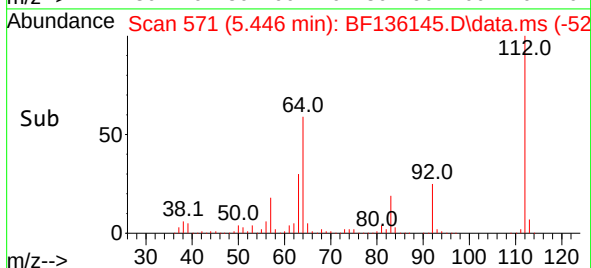
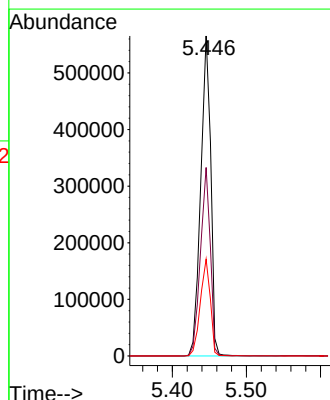
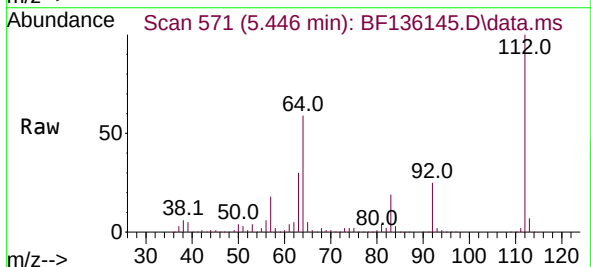
Instrument :
BNA_F
ClientSampleId :
F07367

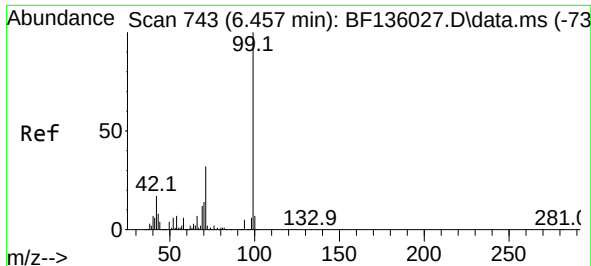
Tgt Ion:152 Resp: 90111
Ion Ratio Lower Upper
152 100
150 152.6 126.4 189.6
115 62.7 47.0 70.4



#5
2-Fluorophenol
Concen: 92.463 ng
RT: 5.446 min Scan# 571
Delta R.T. 0.000 min
Lab File: BF136145.D
Acq: 04 Nov 2023 13:27

Tgt Ion:112 Resp: 530222
Ion Ratio Lower Upper
112 100
64 58.9 43.9 65.9
63 30.3 22.4 33.6

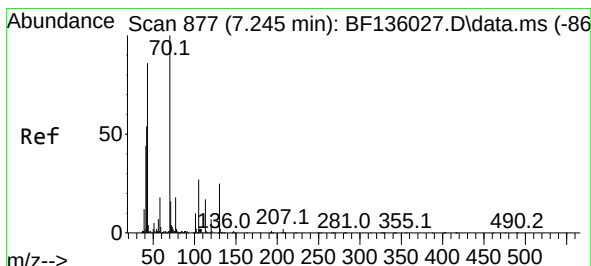
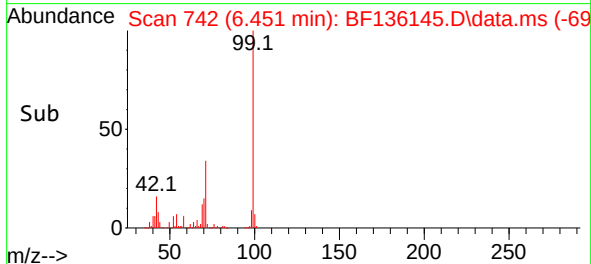
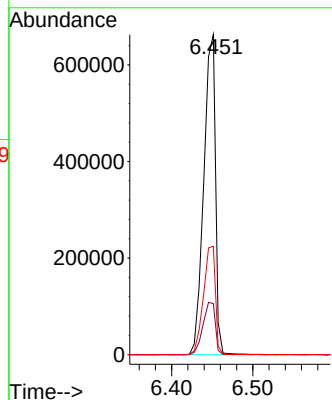
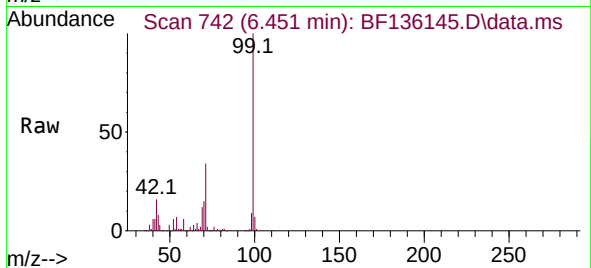




#7
Phenol-d6
Concen: 92.910 ng
RT: 6.451 min Scan# 74
Delta R.T. -0.006 min
Lab File: BF136145.D
Acq: 04 Nov 2023 13:27

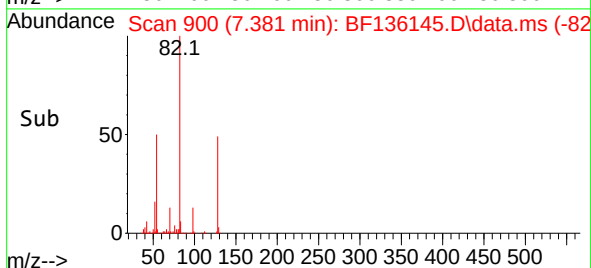
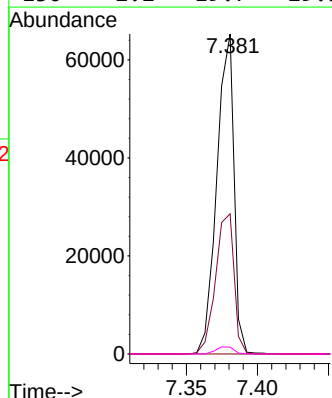
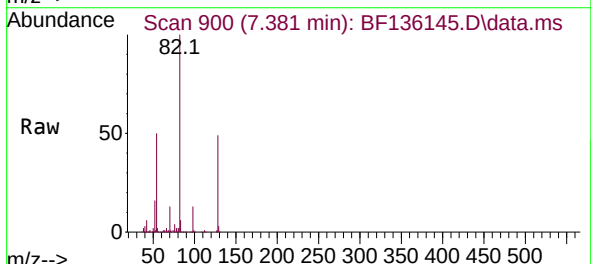
Instrument :
BNA_F
ClientSampleId :
F07367

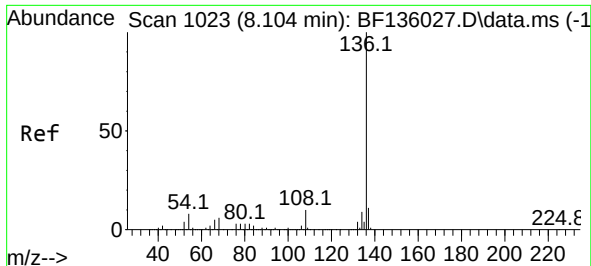
Tgt Ion: 99 Resp: 663816
Ion Ratio Lower Upper
99 100
42 16.0 13.7 20.5
71 33.9 25.9 38.9



#19
n-Nitroso-di-n-propylamine
Concen: 13.405 ng
RT: 7.381 min Scan# 900
Delta R.T. 0.141 min
Lab File: BF136145.D
Acq: 04 Nov 2023 13:27

Tgt Ion: 70 Resp: 54724
Ion Ratio Lower Upper
70 100
42 43.8 43.0 64.4
101 0.0 8.0 12.0#
130 2.2 19.7 29.5#



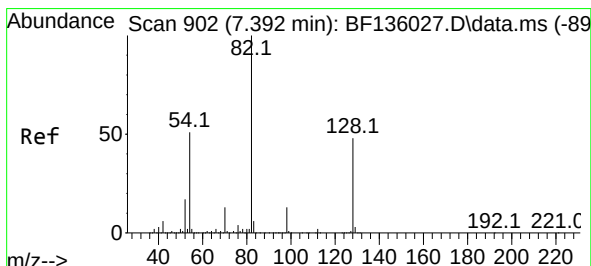
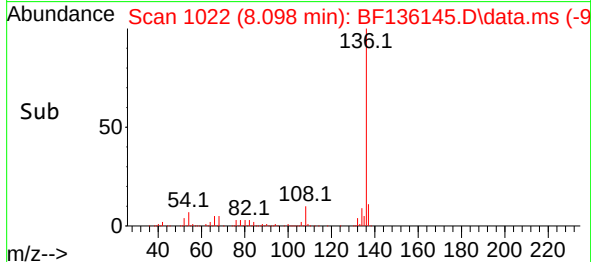
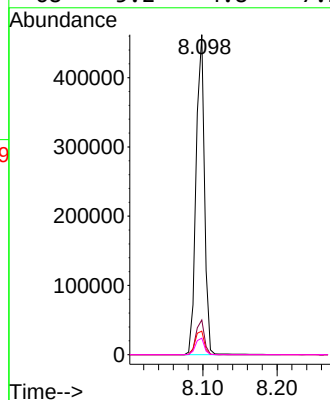
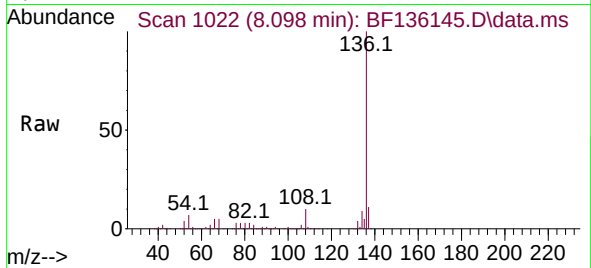


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.098 min Scan# 1023
Delta R.T. -0.006 min
Lab File: BF136145.D
Acq: 04 Nov 2023 13:27

Instrument :
BNA_F
ClientSampleId :
F07367

Tgt Ion:136 Resp: 361746

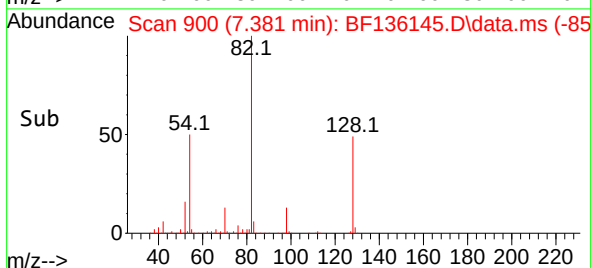
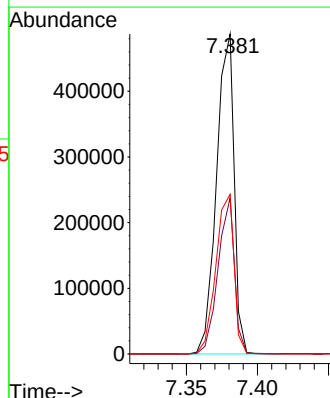
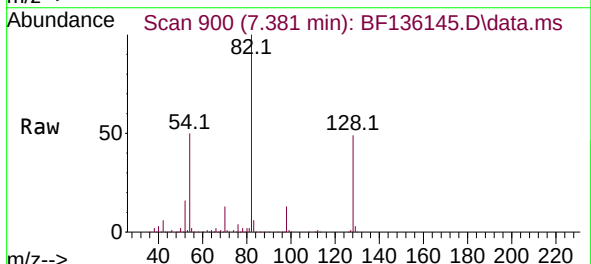
Ion	Ratio	Lower	Upper
136	100		
137	10.9	8.6	13.0
54	7.4	6.6	9.8
68	5.2	4.8	7.2

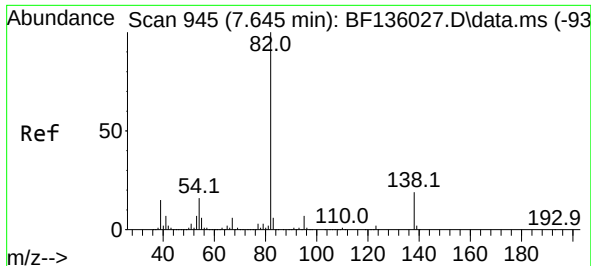


#23
Nitrobenzene-d5
Concen: 69.935 ng
RT: 7.381 min Scan# 900
Delta R.T. -0.006 min
Lab File: BF136145.D
Acq: 04 Nov 2023 13:27

Tgt Ion: 82 Resp: 419668

Ion	Ratio	Lower	Upper
82	100		
128	48.8	38.6	57.8
54	49.9	40.8	61.2

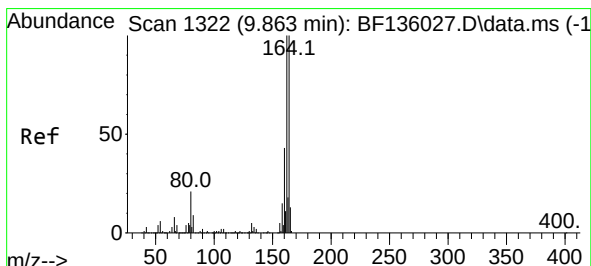
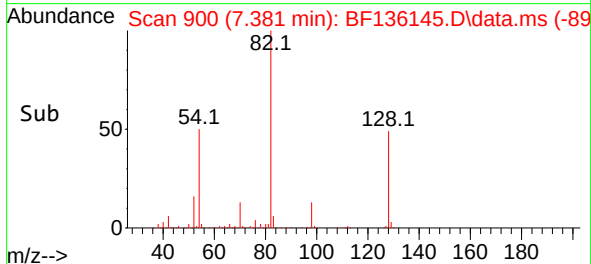
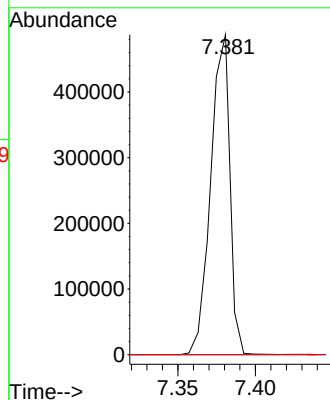
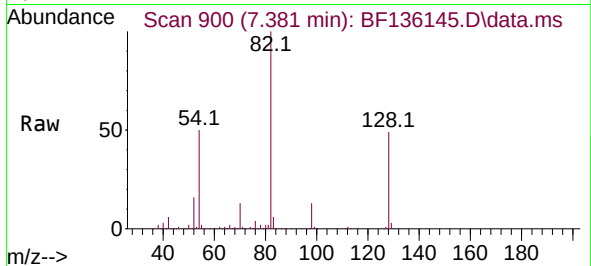




#25
Isophorone
Concen: 37.043 ng
RT: 7.381 min Scan# 90
Delta R.T. -0.259 min
Lab File: BF136145.D
Acq: 04 Nov 2023 13:27

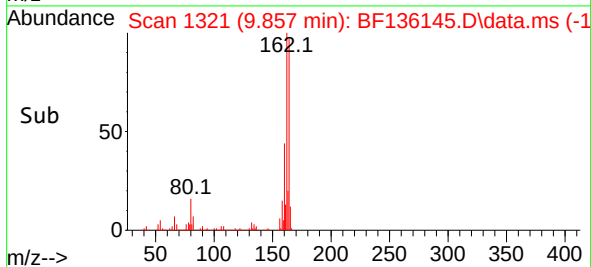
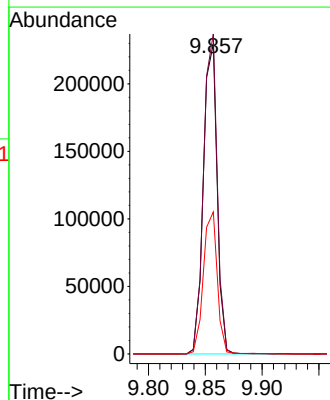
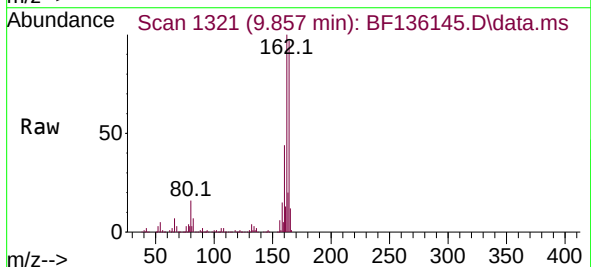
Instrument :
BNA_F
ClientSampleId :
F07367

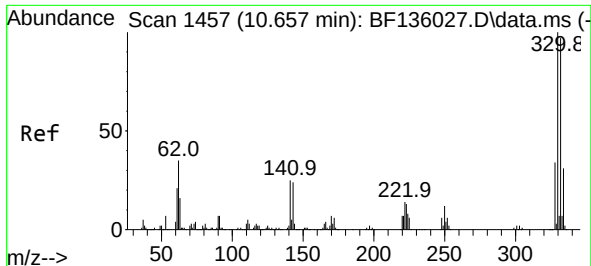
Tgt Ion: 82 Resp: 419659
Ion Ratio Lower Upper
82 100
95 0.0 5.9 8.9#
138 0.0 15.3 22.9#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.857 min Scan# 1321
Delta R.T. -0.006 min
Lab File: BF136145.D
Acq: 04 Nov 2023 13:27

Tgt Ion:164 Resp: 193740
Ion Ratio Lower Upper
164 100
162 103.2 80.1 120.1
160 45.8 34.8 52.2





#42

2,4,6-Tribromophenol

Concen: 104.152 ng

RT: 10.645 min Scan# 1455

Delta R.T. -0.006 min

Lab File: BF136145.D

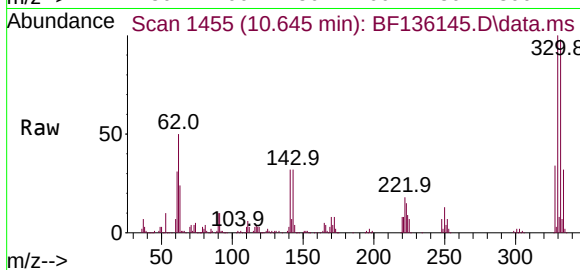
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Instrument :

BNA_F

ClientSampleId :

F07367



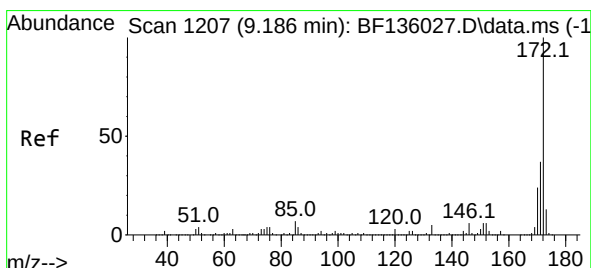
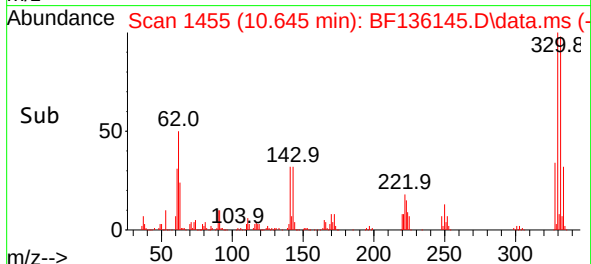
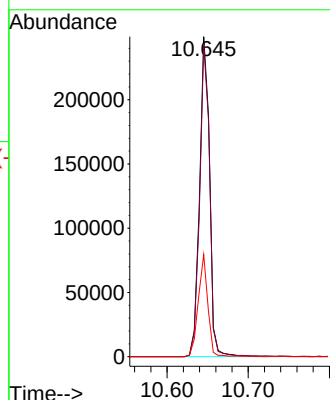
Tgt Ion:330 Resp: 215380

Ion Ratio Lower Upper

330 100

332 96.6 76.9 115.3

141 30.5 23.2 34.8



#45

2-Fluorobiphenyl

Concen: 66.660 ng

RT: 9.175 min Scan# 1205

Delta R.T. -0.006 min

Lab File: BF136145.D

Acq: 04 Nov 2023 13:27

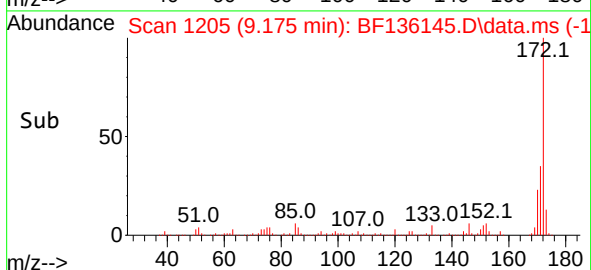
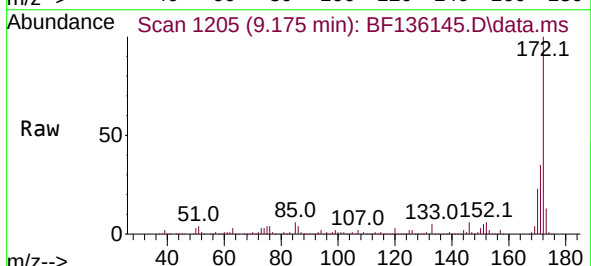
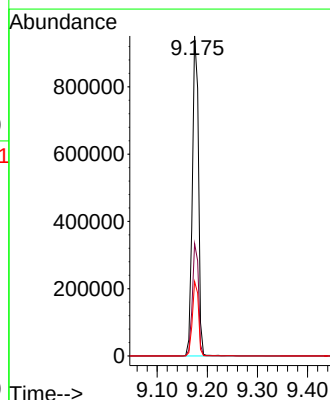
Tgt Ion:172 Resp: 810153

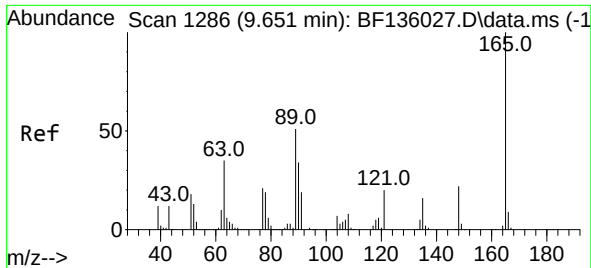
Ion Ratio Lower Upper

172 100

171 35.1 29.4 44.0

170 23.2 19.3 28.9





#51

2,6-Dinitrotoluene

Concen: 9.101 ng

RT: 9.857 min Scan# 11

Delta R.T. 0.212 min

Lab File: BF136145.D

Acq: 04 Nov 2023 13:27

Instrument :

BNA_F

ClientSampleId :

F07367

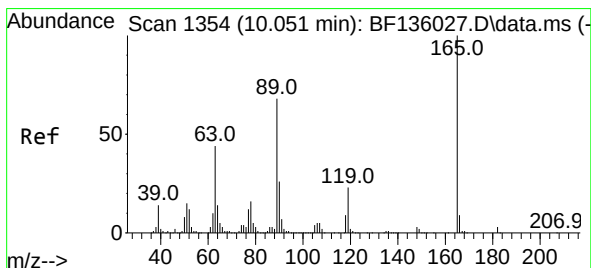
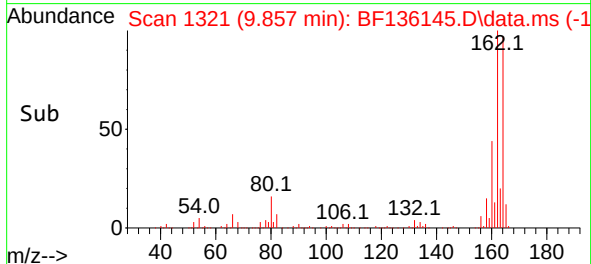
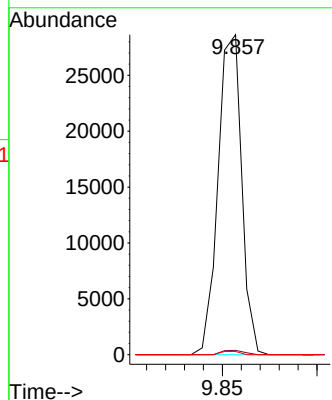
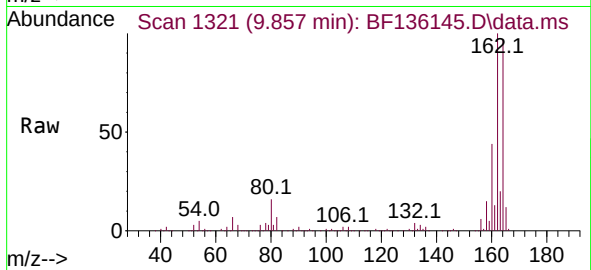
Tgt Ion:165 Resp: 24875

Ion Ratio Lower Upper

165 100

63 1.4 40.8 61.2#

89 1.0 41.1 61.7#



#57

2,4-Dinitrotoluene

Concen: 7.193 ng

RT: 9.857 min Scan# 1321

Delta R.T. -0.194 min

Lab File: BF136145.D

Acq: 04 Nov 2023 13:27

Tgt Ion:165 Resp: 24875

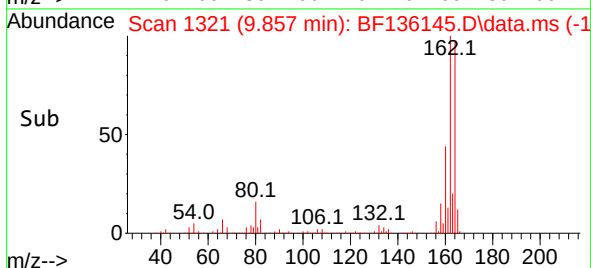
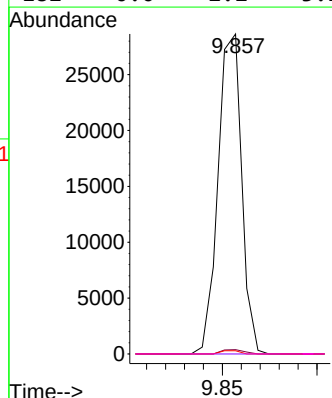
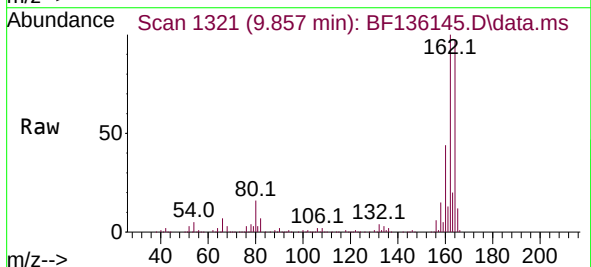
Ion Ratio Lower Upper

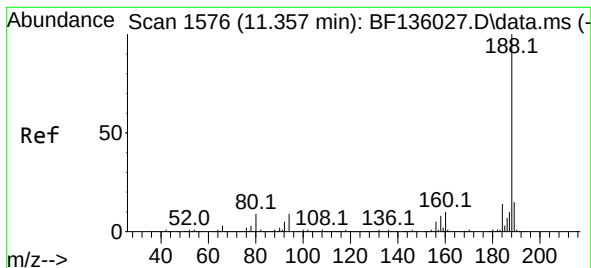
165 100

63 1.4 35.2 52.8#

89 1.0 54.8 82.2#

182 0.0 2.2 3.2#





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.345 min Scan# 11

Delta R.T. -0.006 min

Lab File: BF136145.D

Acq: 04 Nov 2023 13:27

Instrument :

BNA_F

ClientSampleId :

F07367

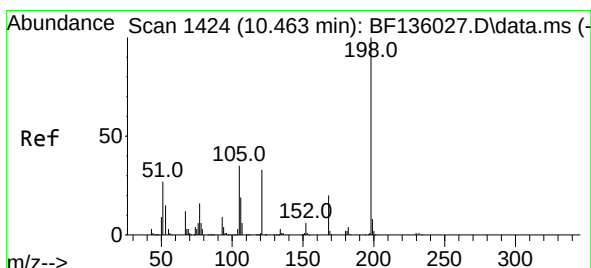
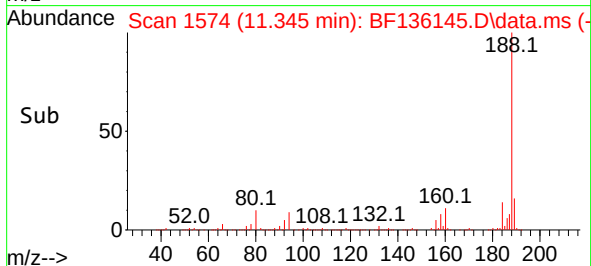
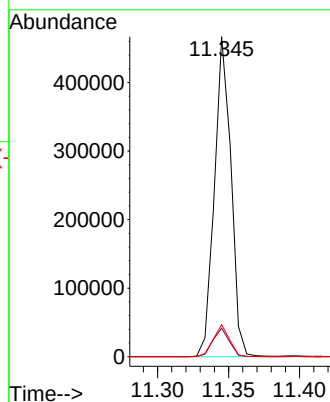
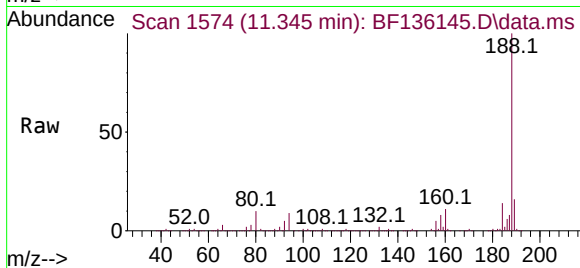
Tgt Ion:188 Resp: 377804

Ion Ratio Lower Upper

188 100

94 8.9 7.2 10.8

80 10.0 7.4 11.0



#65

4,6-Dinitro-2-methylphenol

Concen: 6.053 ng

RT: 10.645 min Scan# 1455

Delta R.T. 0.188 min

Lab File: BF136145.D

Acq: 04 Nov 2023 13:27

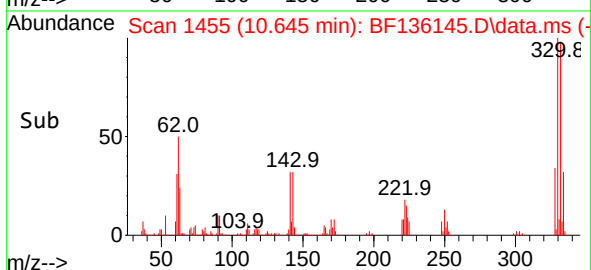
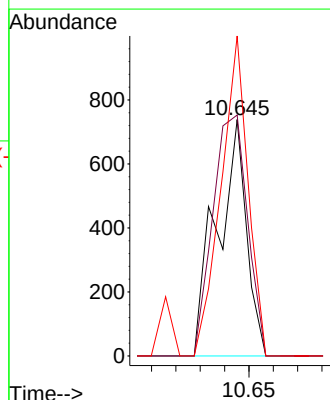
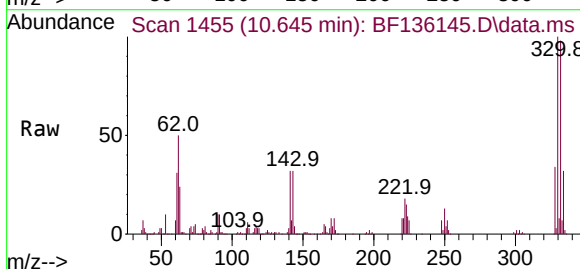
Tgt Ion:198 Resp: 619

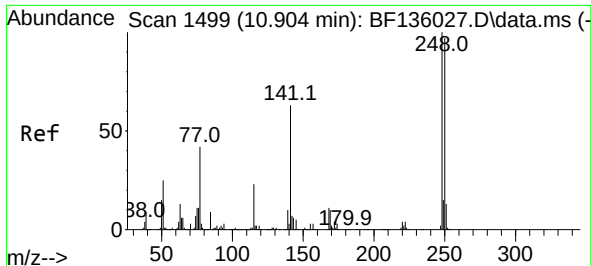
Ion Ratio Lower Upper

198 100

51 101.9 12.9 52.9#

105 135.3 16.0 56.0#

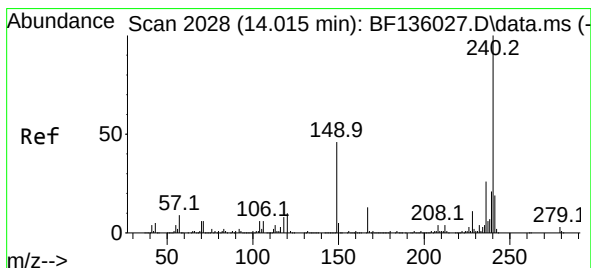
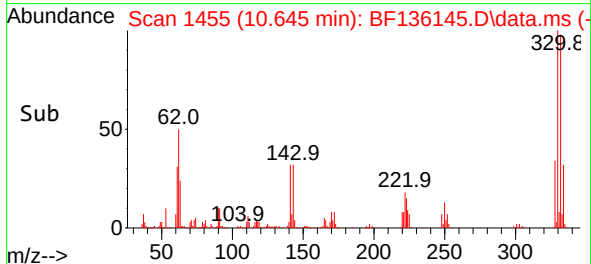
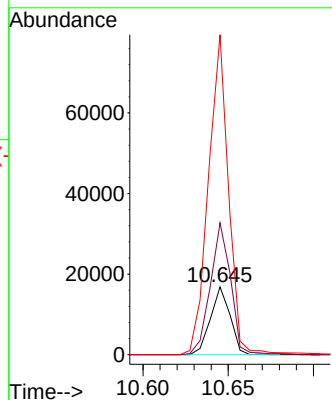
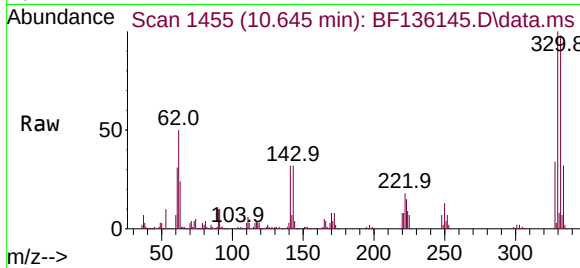




#67
4-Bromophenyl-phenylether
Concen: 3.405 ng
RT: 10.645 min Scan# 1499
Delta R.T. -0.253 min
Lab File: BF136145.D
Acq: 04 Nov 2023 13:27

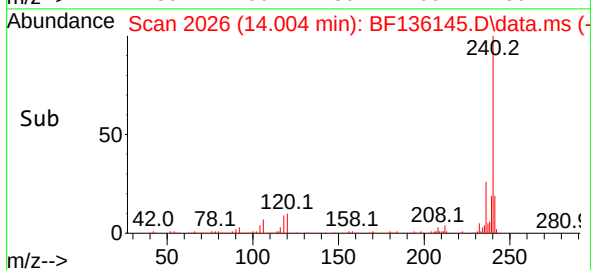
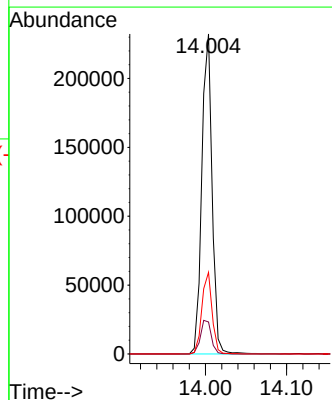
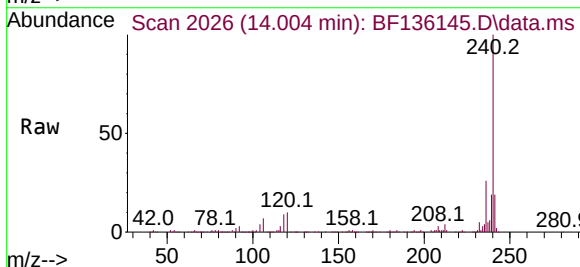
Instrument :
BNA_F
ClientSampleId :
F07367

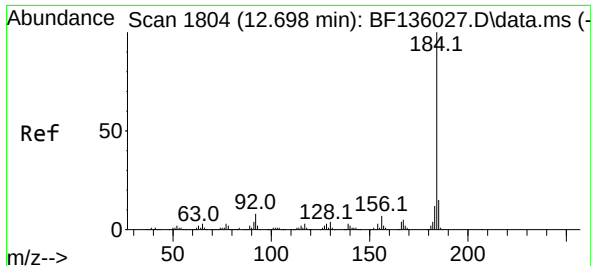
Tgt Ion:248 Resp: 13488
Ion Ratio Lower Upper
248 100
250 194.3 77.6 116.4#
141 471.9 50.4 75.6#



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.004 min Scan# 2026
Delta R.T. -0.006 min
Lab File: BF136145.D
Acq: 04 Nov 2023 13:27

Tgt Ion:240 Resp: 204947
Ion Ratio Lower Upper
240 100
120 10.0 7.6 11.4
236 25.5 20.6 31.0

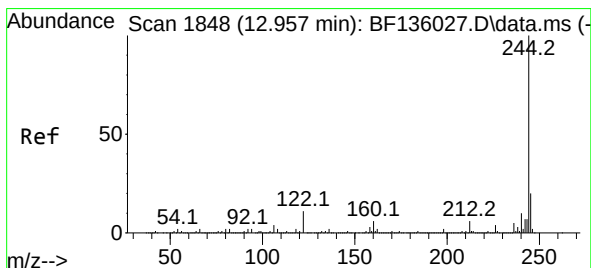
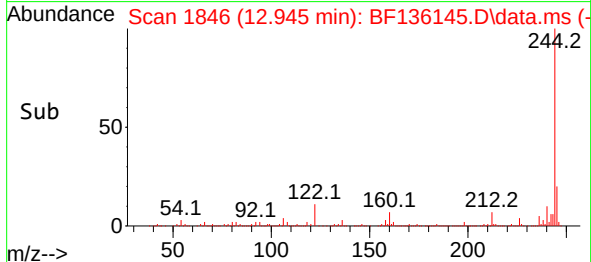
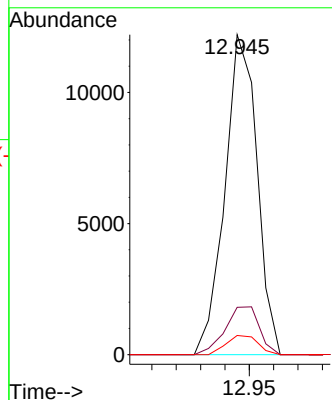
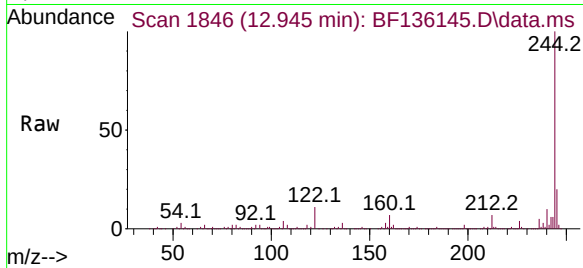




#77
Benzidine
Concen: 2.799 ng
RT: 12.945 min Scan# 1846
Delta R.T. 0.247 min
Lab File: BF136145.D
Acq: 04 Nov 2023 13:27

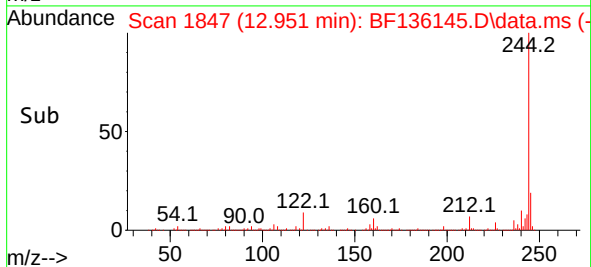
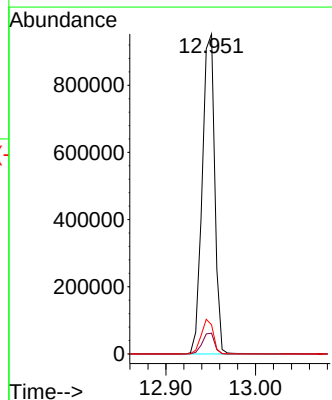
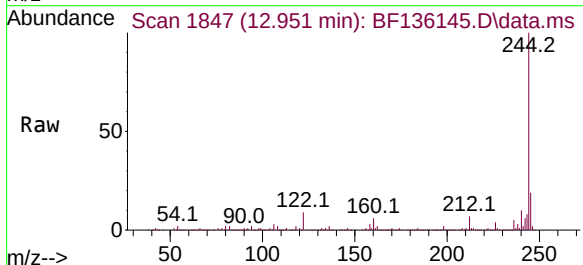
Instrument :
BNA_F
ClientSampleId :
F07367

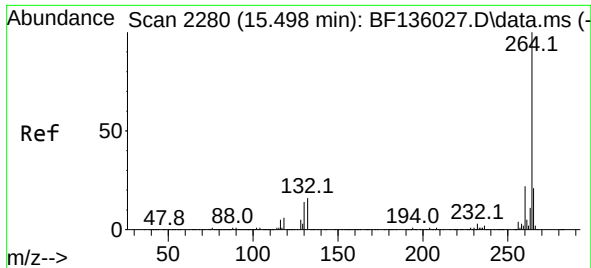
Tgt Ion:184 Resp: 11180
Ion Ratio Lower Upper
184 100
185 14.8 11.8 17.8
183 6.0 9.5 14.3#



#79
Terphenyl-d14
Concen: 69.732 ng
RT: 12.951 min Scan# 1847
Delta R.T. 0.000 min
Lab File: BF136145.D
Acq: 04 Nov 2023 13:27

Tgt Ion:244 Resp: 919625
Ion Ratio Lower Upper
244 100
212 6.5 5.1 7.7
122 9.1 8.6 12.8





#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.492 min Scan# 21
 Delta R.T. 0.000 min
 Lab File: BF136145.D
 Acq: 04 Nov 2023 13:27

Instrument :
 BNA_F
 ClientSampleId :
 F07367

Tgt Ion:264 Resp: 219971
 Ion Ratio Lower Upper
 264 100
 260 23.1 17.9 26.9
 265 21.2 16.8 25.2

