

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF090523\
 Data File : BF135116.D
 Acq On : 06 Sep 2023 03:21
 Operator : CG\JU
 Sample : 04203-04RE
 Misc :
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SB-4(12-12.5)

Quant Time: Sep 06 03:48:22 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF083023.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Aug 31 03:48:08 2023
 Response via : Initial Calibration

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

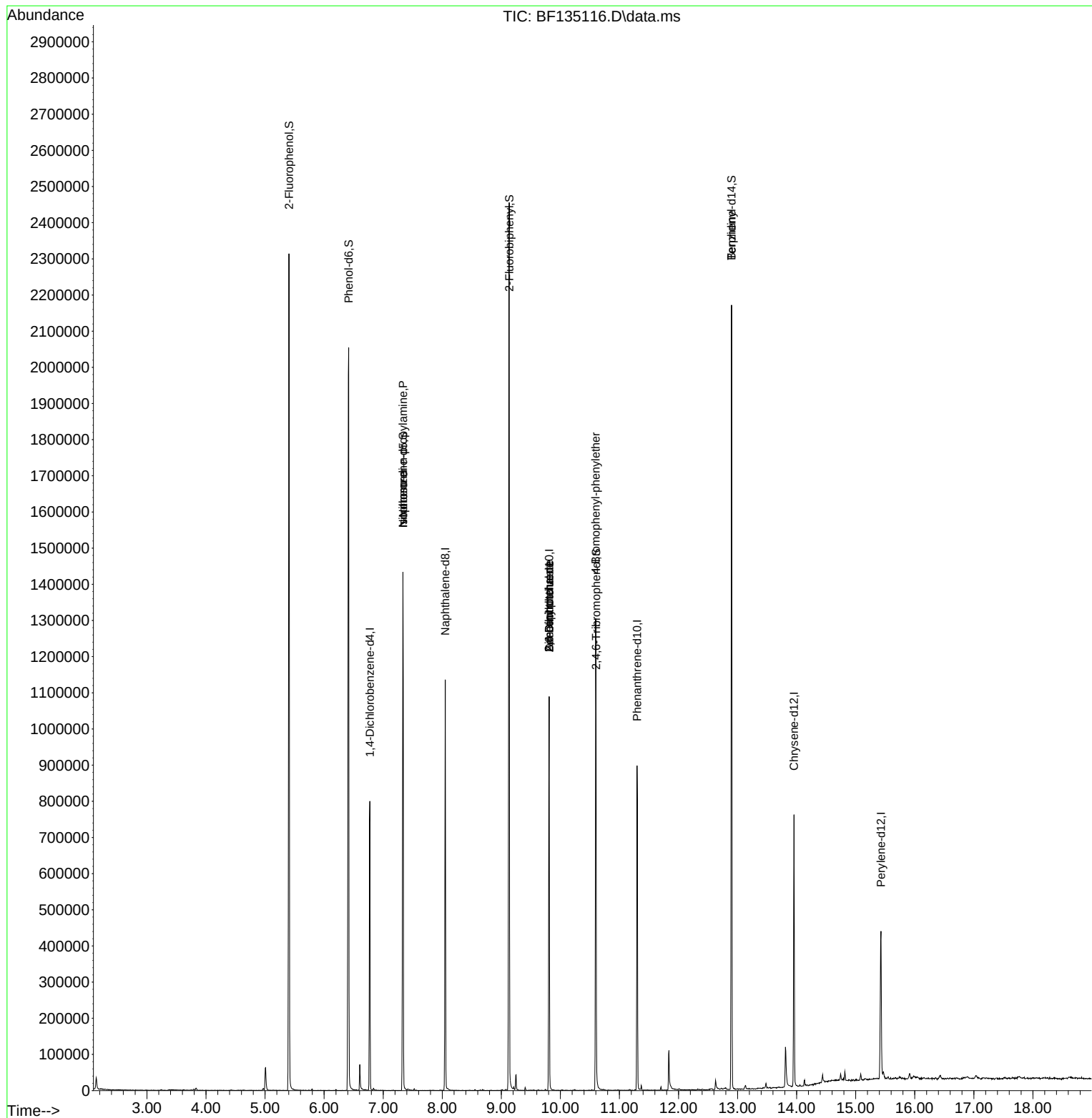
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.775	152	113113	20.000	ng	0.00
21) Naphthalene-d8	8.051	136	454477	20.000	ng	0.00
39) Acenaphthene-d10	9.810	164	212776	20.000	ng	0.00
64) Phenanthrene-d10	11.298	188	336519	20.000	ng	#-0.01
76) Chrysene-d12	13.957	240	238991	20.000	ng	0.00
86) Perylene-d12	15.427	264	196990	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.404	112	601694	82.164	ng	0.00
7) Phenol-d6	6.416	99	735566	80.586	ng	0.00
23) Nitrobenzene-d5	7.333	82	462862	57.217	ng	-0.01
42) 2,4,6-Tribromophenol	10.604	330	154841	68.602	ng	0.00
45) 2-Fluorobiphenyl	9.133	172	798155	61.073	ng	0.00
79) Terphenyl-d14	12.898	244	730413	49.875	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propyla...	7.333	70	61964	11.429	ng	# 76
25) Isophorone	7.333	82	462855	30.178	ng	# 65
50) Dimethylphthalate	9.810	163	42543	2.855	ng	# 1
51) 2,6-Dinitrotoluene	9.810	165	27535	8.423	ng	# 22
57) 2,4-Dinitrotoluene	9.810	165	27535	6.759	ng	# 20
67) 4-Bromophenyl-phenylether	10.598	248	9873	2.766	ng	# 1
77) Benzidine	12.898	184	9371	2.175	ng	# 92

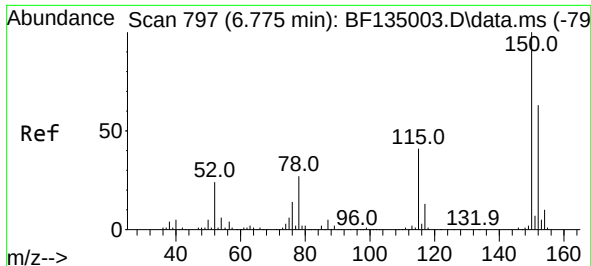
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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SB-4(12-12.5)

Quant Time: Sep 06 03:48:22 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF083023.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Aug 31 03:48:08 2023
Response via : Initial Calibration

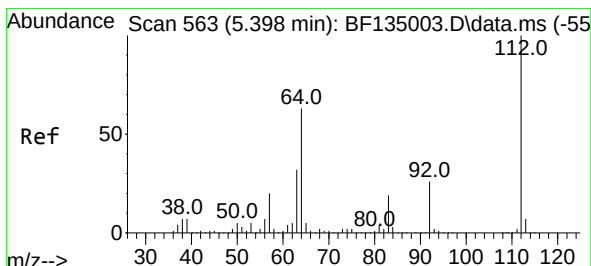
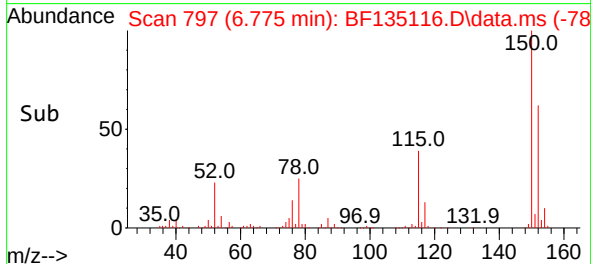
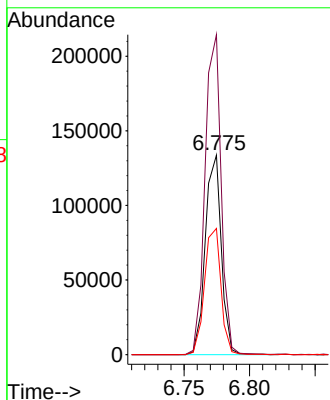
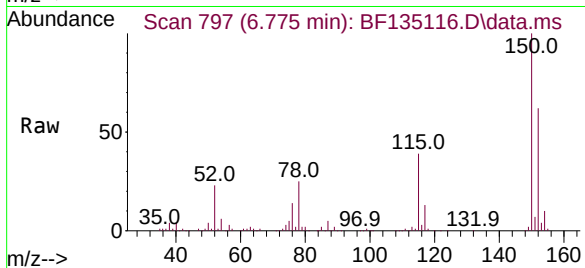




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.775 min Scan# 79
 Delta R.T. -0.000 min
 Lab File: BF135116.D
 Acq: 06 Sep 2023 03:21

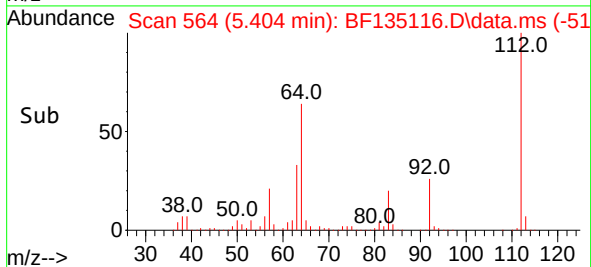
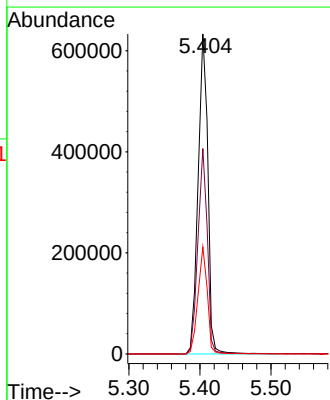
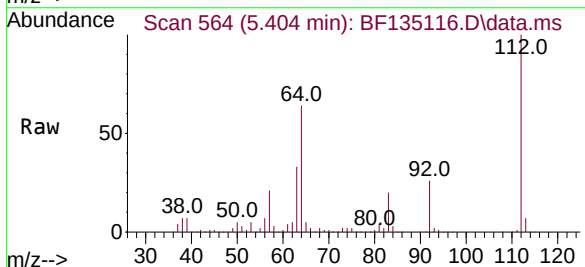
Instrument :
 BNA_F
 ClientSampleId :
 SB-4(12-12.5)

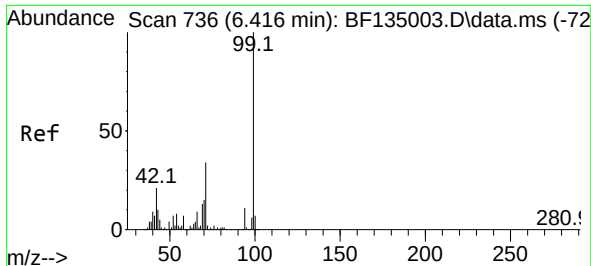
Tgt Ion:152 Resp: 113113
 Ion Ratio Lower Upper
 152 100
 150 160.5 126.2 189.4
 115 63.3 51.2 76.8



#5
 2-Fluorophenol
 Concen: 82.164 ng
 RT: 5.404 min Scan# 564
 Delta R.T. 0.006 min
 Lab File: BF135116.D
 Acq: 06 Sep 2023 03:21

Tgt Ion:112 Resp: 601694
 Ion Ratio Lower Upper
 112 100
 64 64.2 50.5 75.7
 63 33.4 25.9 38.9

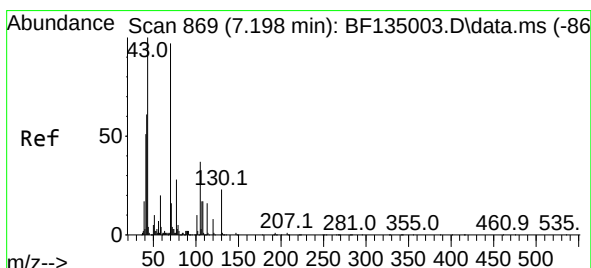
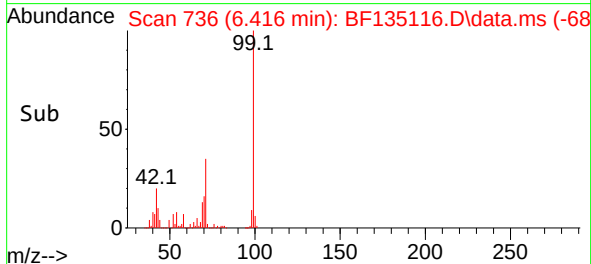
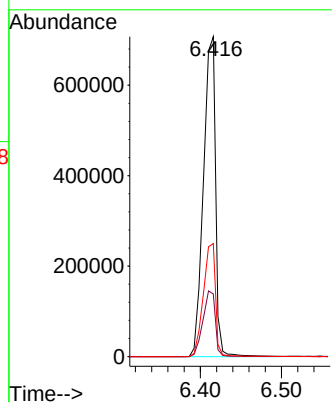
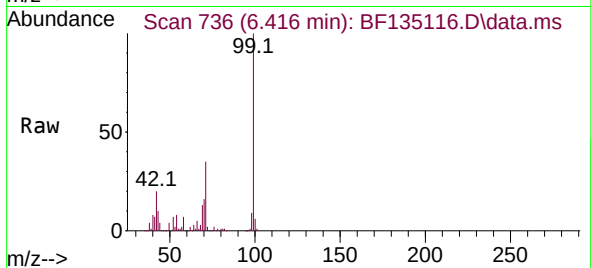




#7
Phenol-d6
Concen: 80.586 ng
RT: 6.416 min Scan# 736
Delta R.T. -0.000 min
Lab File: BF135116.D
Acq: 06 Sep 2023 03:21

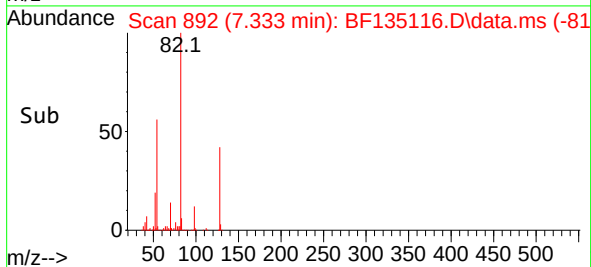
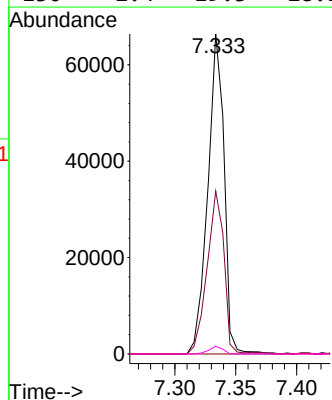
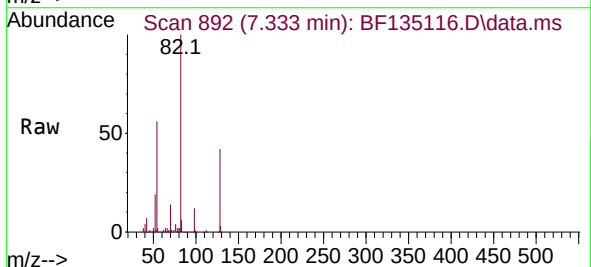
Instrument :
BNA_F
ClientSampleId :
SB-4(12-12.5)

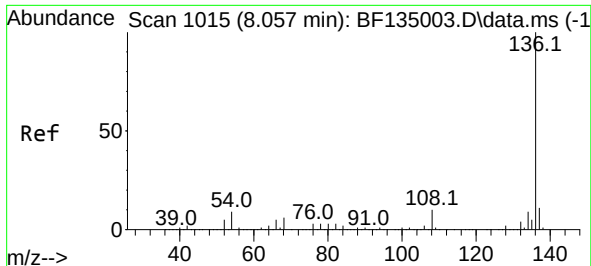
Tgt Ion: 99 Resp: 735566
Ion Ratio Lower Upper
99 100
42 19.6 16.6 25.0
71 35.3 27.0 40.6



#19
n-Nitroso-di-n-propylamine
Concen: 11.429 ng
RT: 7.333 min Scan# 892
Delta R.T. 0.135 min
Lab File: BF135116.D
Acq: 06 Sep 2023 03:21

Tgt Ion: 70 Resp: 61964
Ion Ratio Lower Upper
70 100
42 50.9 50.2 75.4
101 0.0 8.1 12.1#
130 2.4 19.3 28.9#

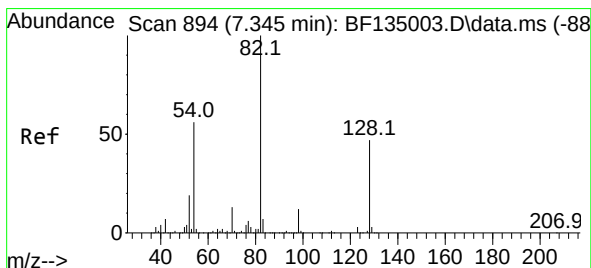
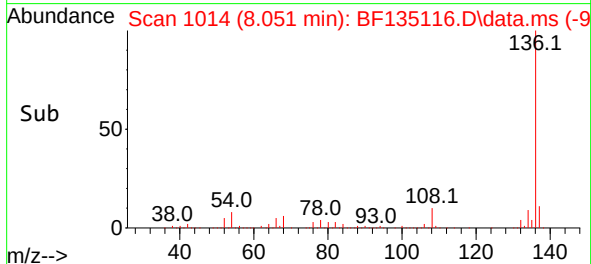
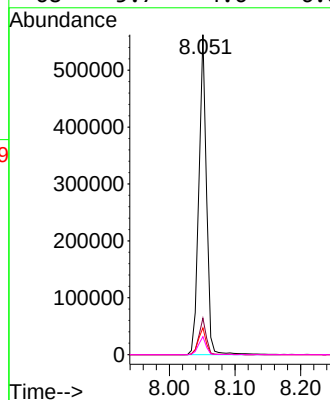
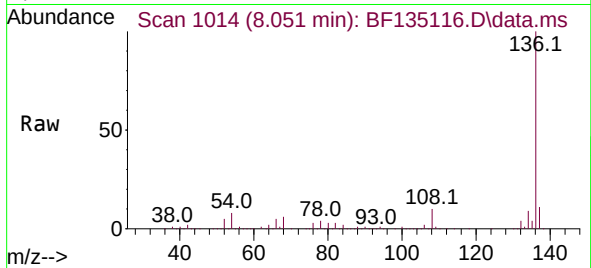




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.051 min Scan# 1014
Delta R.T. -0.006 min
Lab File: BF135116.D
Acq: 06 Sep 2023 03:21

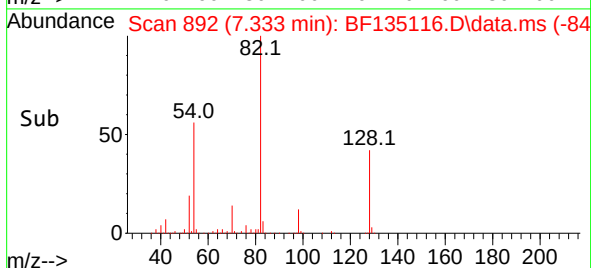
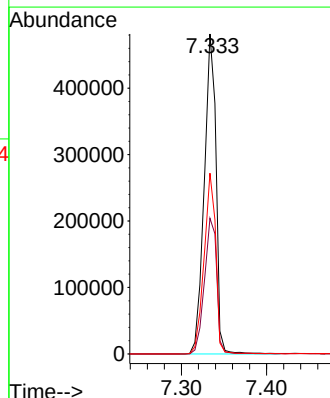
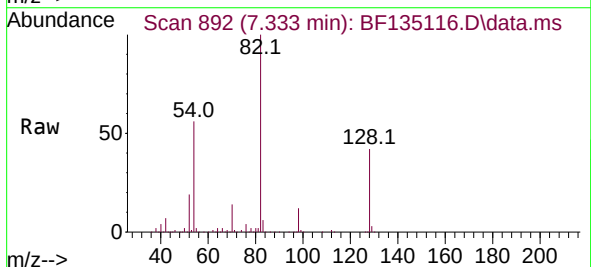
Instrument :
BNA_F
ClientSampleId :
SB-4(12-12.5)

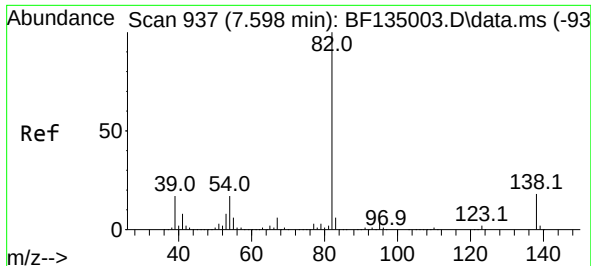
Tgt Ion:136 Resp: 454477
Ion Ratio Lower Upper
136 100
137 11.4 8.8 13.2
54 8.4 7.0 10.4
68 5.7 4.6 6.8



#23
Nitrobenzene-d5
Concen: 57.217 ng
RT: 7.333 min Scan# 892
Delta R.T. -0.012 min
Lab File: BF135116.D
Acq: 06 Sep 2023 03:21

Tgt Ion: 82 Resp: 462862
Ion Ratio Lower Upper
82 100
128 42.4 37.8 56.8
54 56.5 45.0 67.6

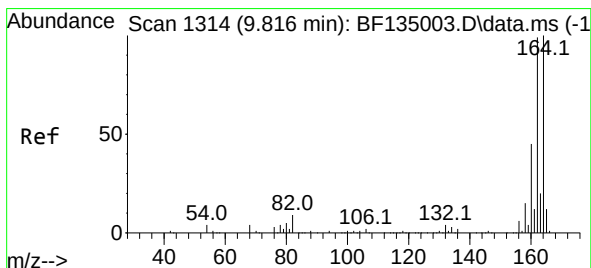
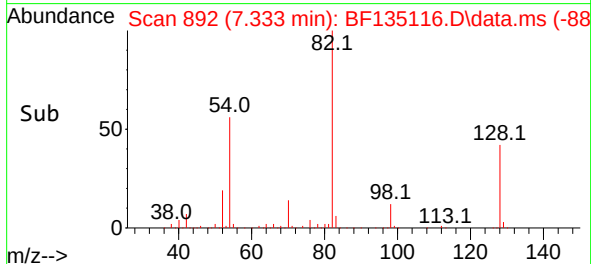
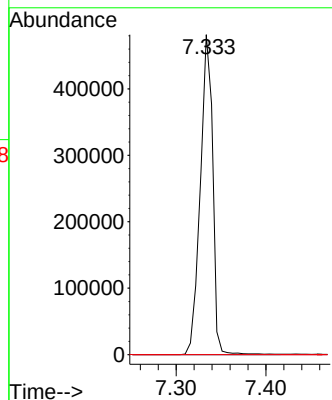
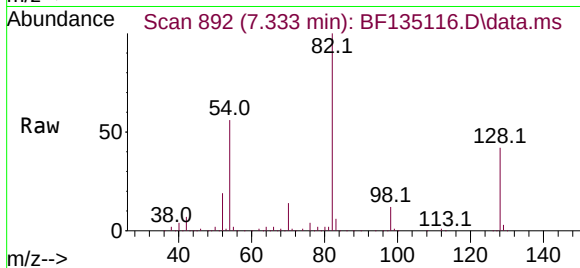




#25
Isophorone
Concen: 30.178 ng
RT: 7.333 min Scan# 89
Delta R.T. -0.265 min
Lab File: BF135116.D
Acq: 06 Sep 2023 03:21

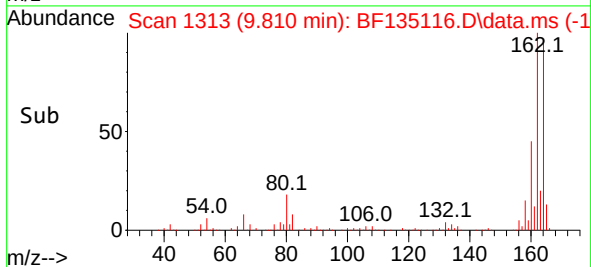
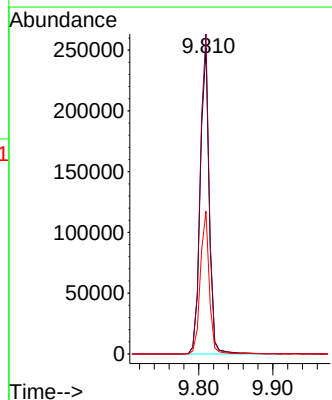
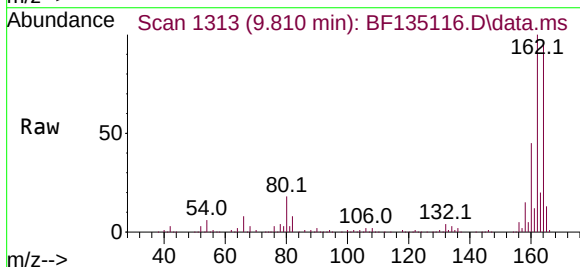
Instrument :
BNA_F
ClientSampleId :
SB-4(12-12.5)

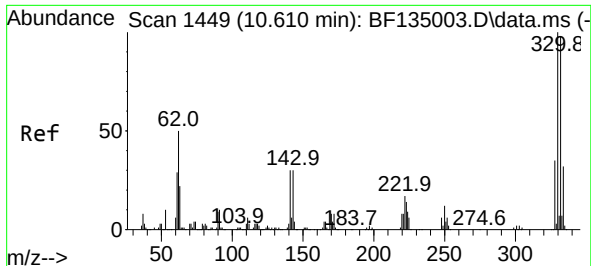
Tgt Ion: 82 Resp: 462855
Ion Ratio Lower Upper
82 100
95 0.0 5.6 8.4#
138 0.0 14.7 22.1#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.810 min Scan# 1313
Delta R.T. -0.006 min
Lab File: BF135116.D
Acq: 06 Sep 2023 03:21

Tgt Ion:164 Resp: 212776
Ion Ratio Lower Upper
164 100
162 104.5 79.5 119.3
160 46.6 36.0 54.0





#42

2,4,6-Tribromophenol

Concen: 68.602 ng

RT: 10.604 min Scan# 1449

Delta R.T. -0.006 min

Lab File: BF135116.D

Acq: 06 Sep 2023 03:21

Instrument :

BNA_F

ClientSampleId :

SB-4(12-12.5)

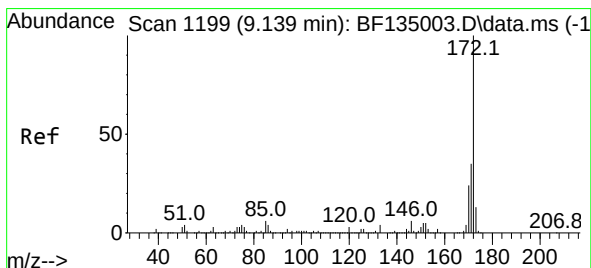
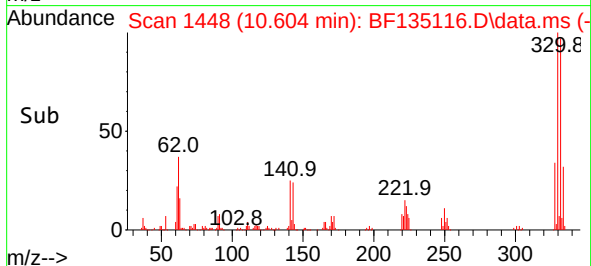
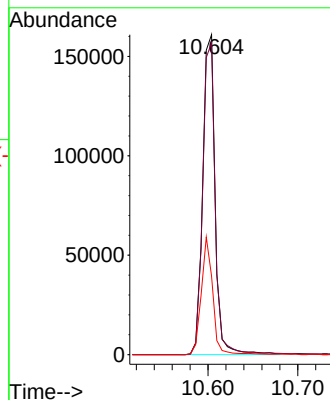
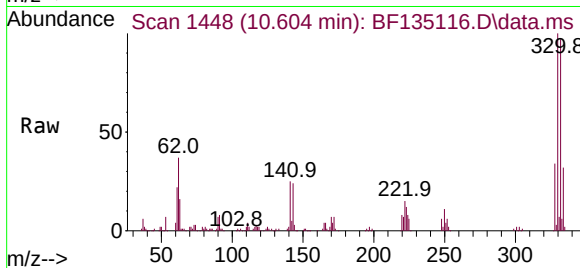
Tgt Ion:330 Resp: 154841

Ion Ratio Lower Upper

330 100

332 98.3 77.6 116.4

141 33.7 26.3 39.5



#45

2-Fluorobiphenyl

Concen: 61.073 ng

RT: 9.133 min Scan# 1198

Delta R.T. -0.006 min

Lab File: BF135116.D

Acq: 06 Sep 2023 03:21

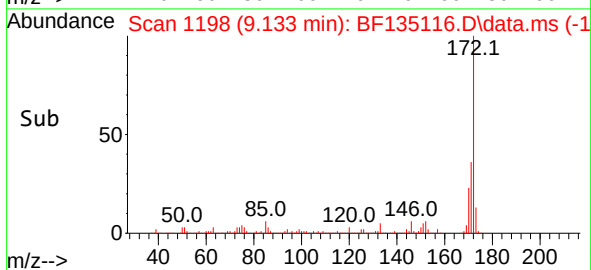
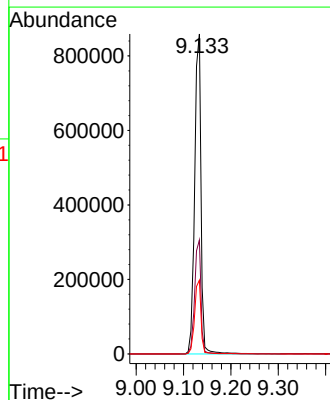
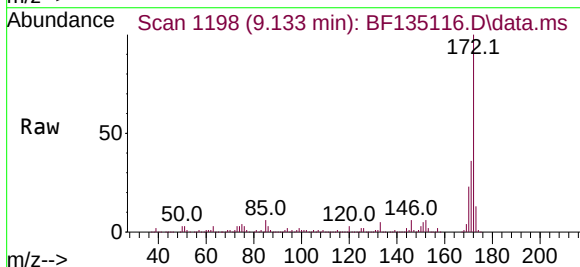
Tgt Ion:172 Resp: 798155

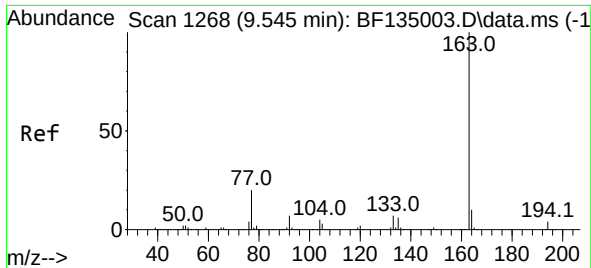
Ion Ratio Lower Upper

172 100

171 35.6 28.2 42.2

170 23.0 19.0 28.4

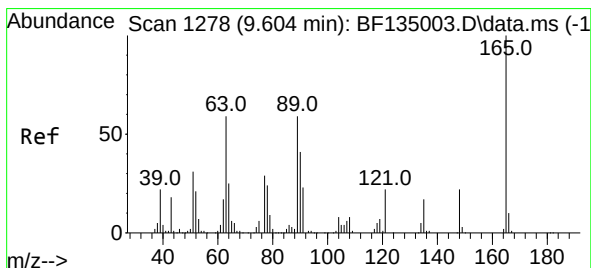
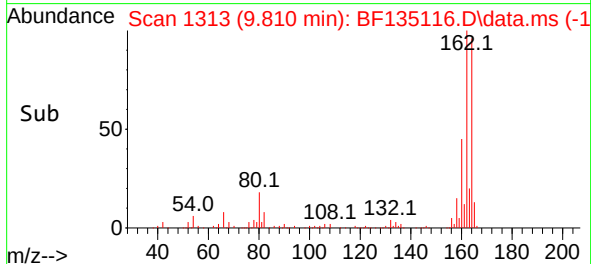
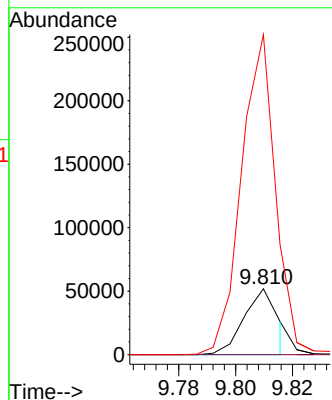
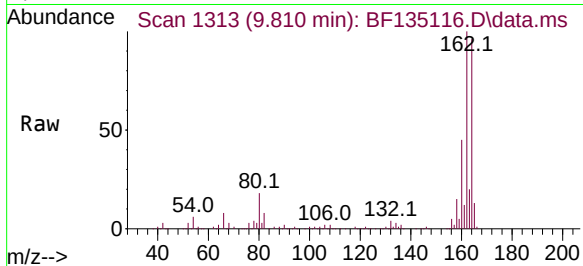




#50
Dimethylphthalate
Concen: 2.855 ng
RT: 9.810 min Scan# 1313
Delta R.T. 0.265 min
Lab File: BF135116.D
Acq: 06 Sep 2023 03:21

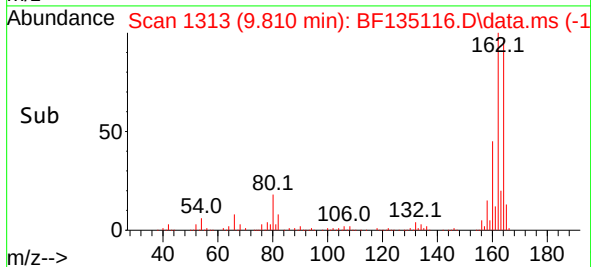
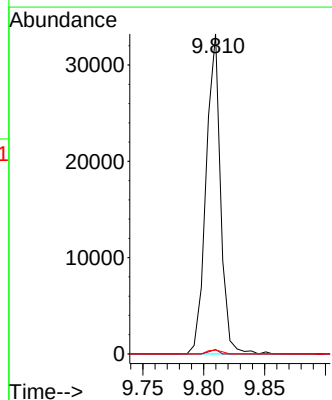
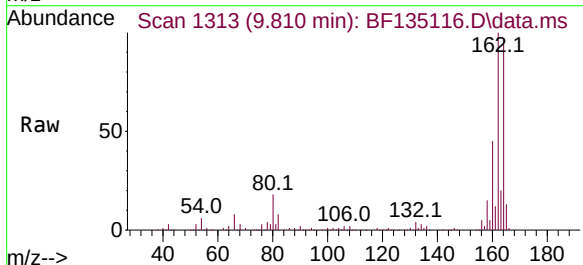
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SB-4(12-12.5)

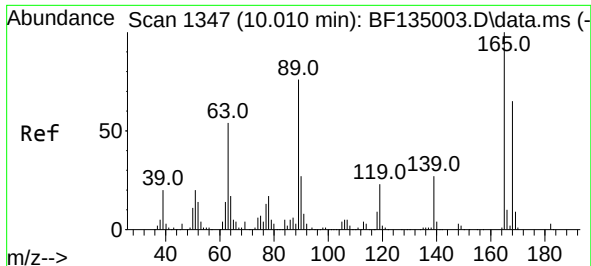
Tgt Ion:163 Resp: 42543
Ion Ratio Lower Upper
163 100
194 0.0 3.0 4.6#
164 486.4 8.1 12.1#



#51
2,6-Dinitrotoluene
Concen: 8.423 ng
RT: 9.810 min Scan# 1313
Delta R.T. 0.206 min
Lab File: BF135116.D
Acq: 06 Sep 2023 03:21

Tgt Ion:165 Resp: 27535
Ion Ratio Lower Upper
165 100
63 1.4 50.4 75.6#
89 1.2 47.1 70.7#

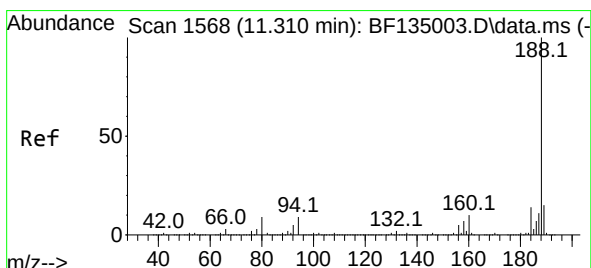
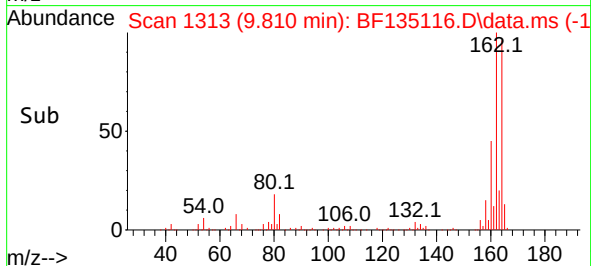
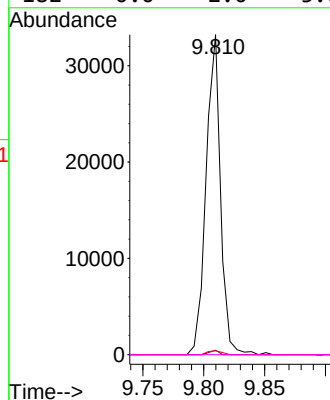
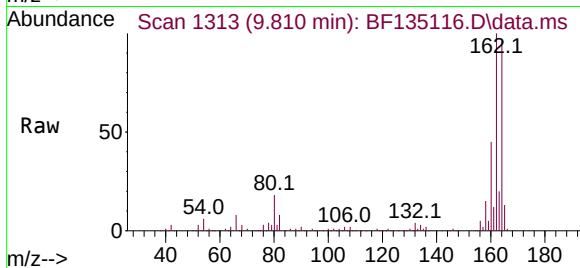




#57
2,4-Dinitrotoluene
Concen: 6.759 ng
RT: 9.810 min Scan# 1347
Delta R.T. -0.200 min
Lab File: BF135116.D
Acq: 06 Sep 2023 03:21

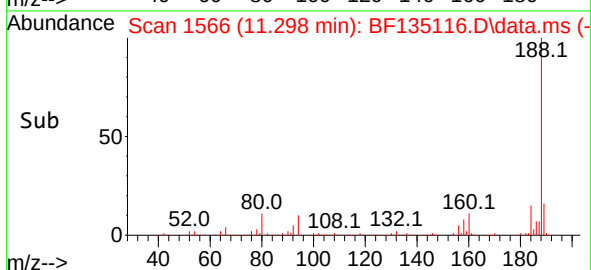
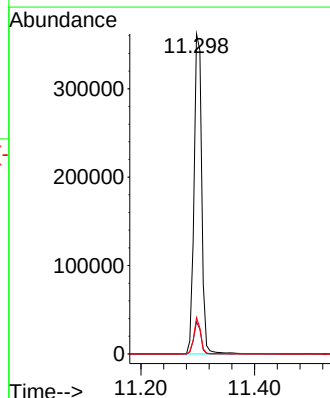
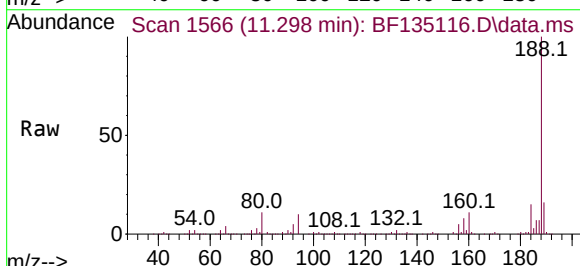
Instrument :
BNA_F
ClientSampleId :
SB-4(12-12.5)

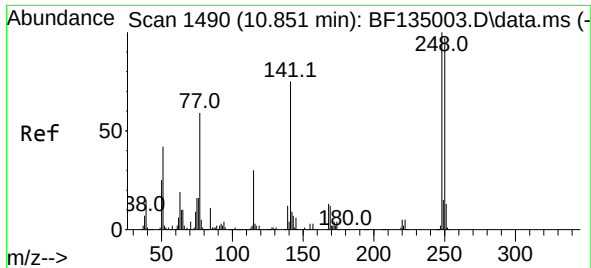
Tgt Ion:165	Resp:	27535
Ion Ratio	Lower	Upper
165	100	
63	1.4	43.2 64.8#
89	1.2	60.8 91.2#
182	0.0	2.0 3.0#



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.298 min Scan# 1566
Delta R.T. -0.012 min
Lab File: BF135116.D
Acq: 06 Sep 2023 03:21

Tgt Ion:188	Resp:	336519
Ion Ratio	Lower	Upper
188	100	
94	10.1	7.0 10.4
80	11.4	7.4 11.2#

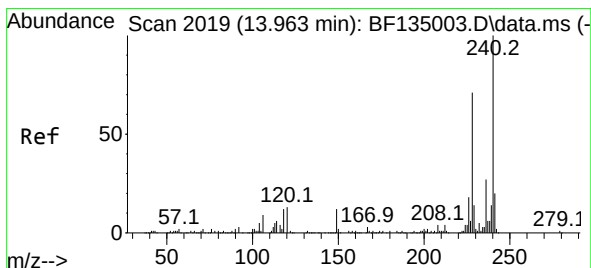
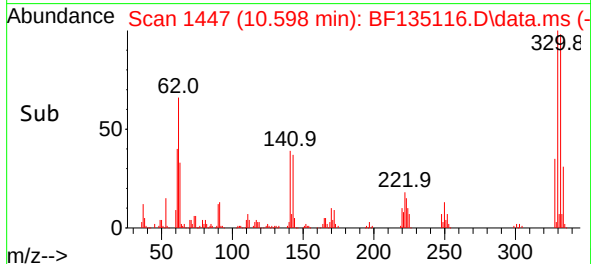
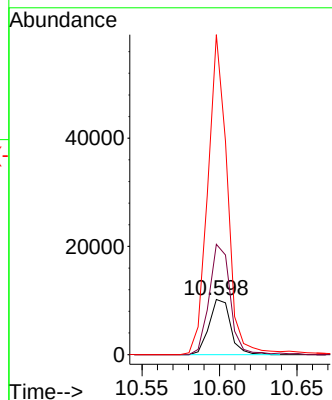
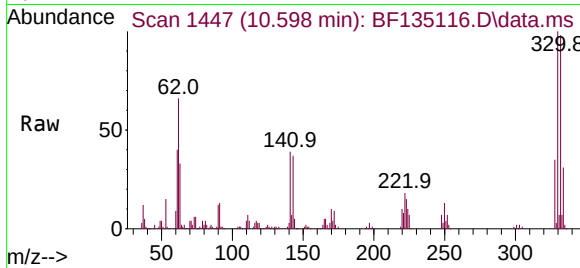




#67
4-Bromophenyl-phenylether
Concen: 2.766 ng
RT: 10.598 min Scan# 1490
Delta R.T. -0.253 min
Lab File: BF135116.D
Acq: 06 Sep 2023 03:21

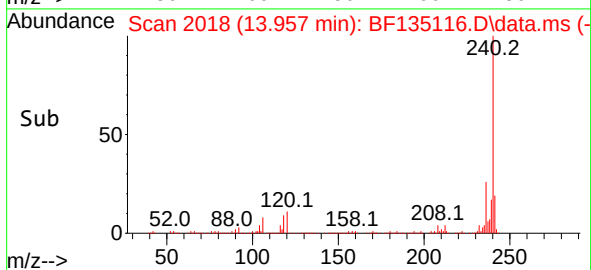
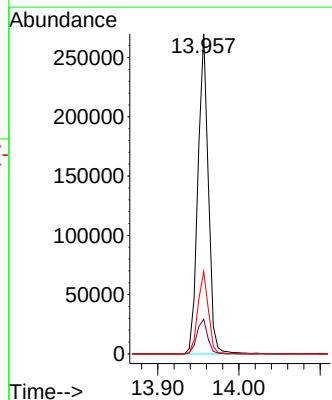
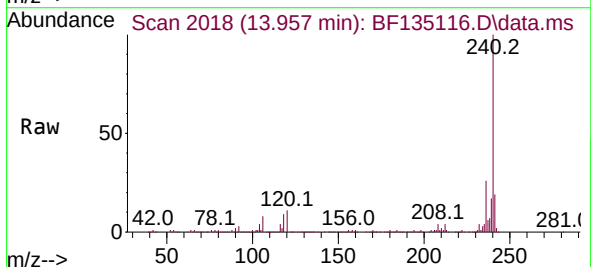
Instrument :
BNA_F
ClientSampleId :
SB-4(12-12.5)

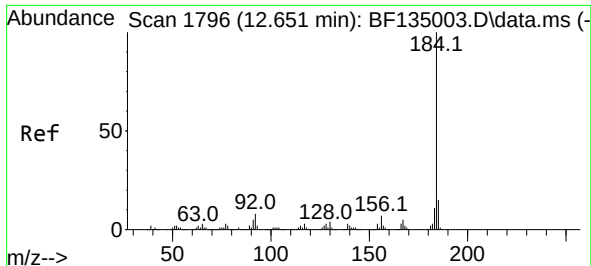
Tgt Ion:248 Resp: 9873
Ion Ratio Lower Upper
248 100
250 200.0 77.9 116.9#
141 579.8 59.8 89.8#



#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.957 min Scan# 2018
Delta R.T. -0.006 min
Lab File: BF135116.D
Acq: 06 Sep 2023 03:21

Tgt Ion:240 Resp: 238991
Ion Ratio Lower Upper
240 100
120 10.8 10.2 15.2
236 25.7 21.3 31.9

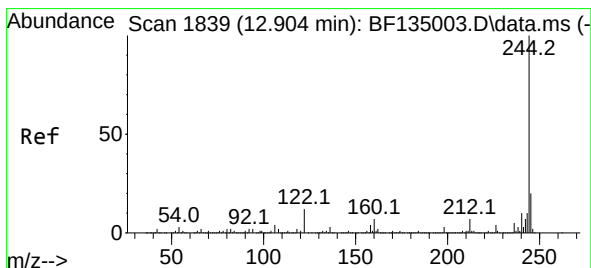
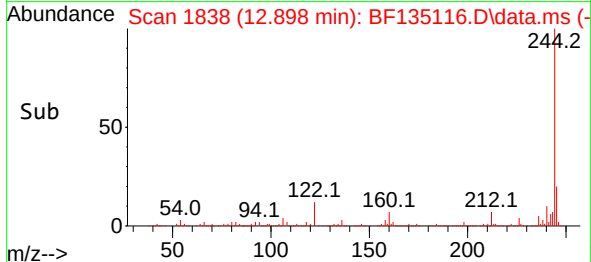
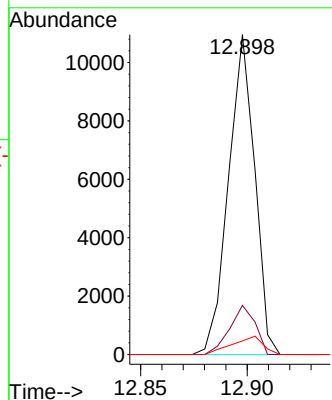
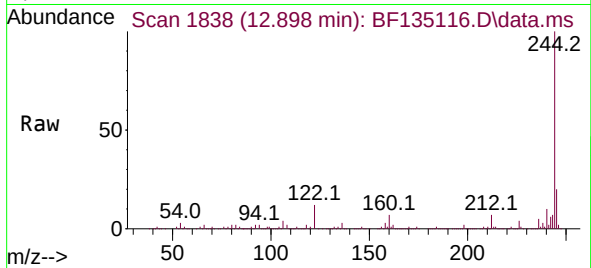




#77
Benzidine
Concen: 2.175 ng
RT: 12.898 min Scan# 1838
Delta R.T. 0.247 min
Lab File: BF135116.D
Acq: 06 Sep 2023 03:21

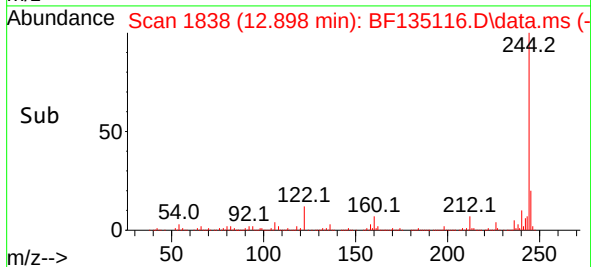
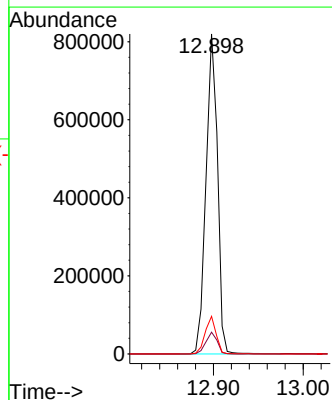
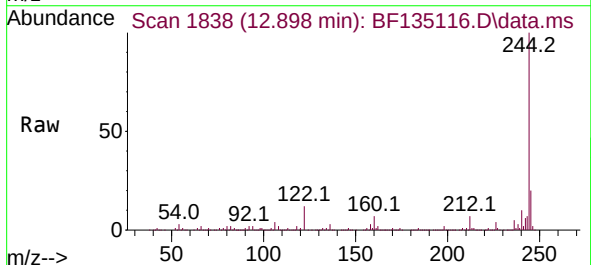
Instrument :
BNA_F
ClientSampleId :
SB-4(12-12.5)

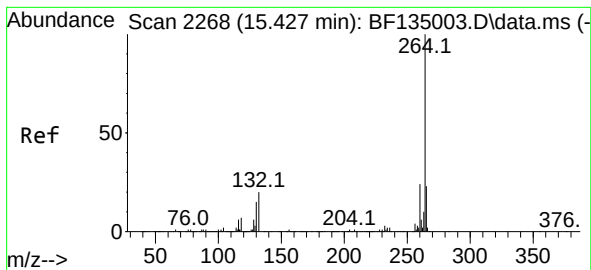
Tgt Ion:184 Resp: 9371
Ion Ratio Lower Upper
184 100
185 15.4 12.0 18.0
183 4.3 9.0 13.6#



#79
Terphenyl-d14
Concen: 49.875 ng
RT: 12.898 min Scan# 1838
Delta R.T. -0.006 min
Lab File: BF135116.D
Acq: 06 Sep 2023 03:21

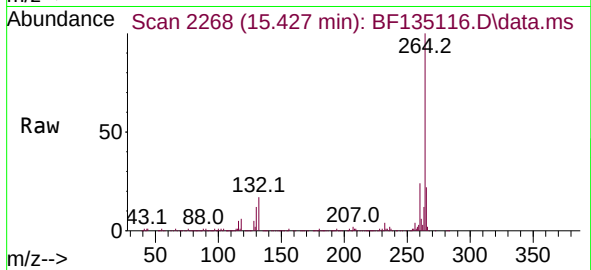
Tgt Ion:244 Resp: 730413
Ion Ratio Lower Upper
244 100
212 6.8 5.6 8.4
122 11.7 9.8 14.6





#86
Perylene-d12
Concen: 20.000 ng
RT: 15.427 min Scan# 21
Delta R.T. -0.000 min
Lab File: BF135116.D
Acq: 06 Sep 2023 03:21

Instrument :
BNA_F
ClientSampleId :
SB-4(12-12.5)



Tgt Ion:264 Resp: 196990

Ion	Ratio	Lower	Upper
264	100		
260	24.2	19.0	28.6
265	21.8	18.2	27.2

