

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF083123\
 Data File : BF135053.D
 Acq On : 31 Aug 2023 21:30
 Operator : CG\JU
 Sample : 04196-23RE
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 OR-345-COMP-04

Quant Time: Sep 01 01:52:44 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)

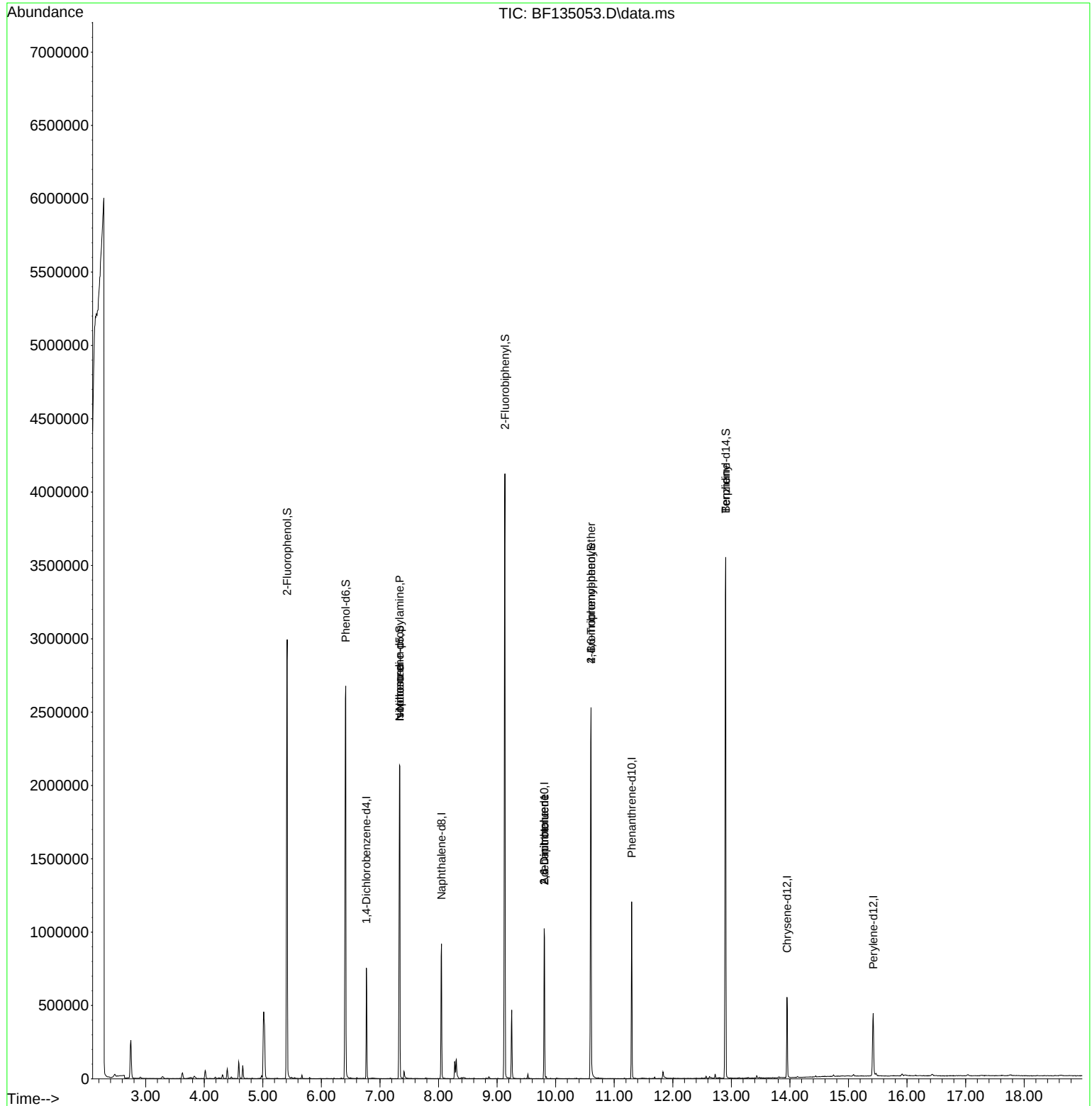
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.769	152	101733	20.000	ng	0.00
21) Naphthalene-d8	8.051	136	415177	20.000	ng	0.00
39) Acenaphthene-d10	9.804	164	215910	20.000	ng	-0.01
64) Phenanthrene-d10	11.298	188	403194	20.000	ng	-0.01
76) Chrysene-d12	13.951	240	186376	20.000	ng	-0.01
86) Perylene-d12	15.421	264	207837	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.416	112	888284	134.869	ng	0.02
7) Phenol-d6	6.416	99	1021518	124.433	ng	0.00
23) Nitrobenzene-d5	7.334	82	779576	105.490	ng	-0.01
42) 2,4,6-Tribromophenol	10.604	330	344682	150.493	ng	0.00
45) 2-Fluorobiphenyl	9.133	172	1344909	101.415	ng	0.00
79) Terphenyl-d14	12.904	244	1371027	120.046	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propyla...	7.334	70	106798	21.901	ng	Qvalue
25) Isophorone	7.334	82	779563	55.638	ng	# 79
51) 2,6-Dinitrotoluene	9.804	165	28480	8.585	ng	# 65
57) 2,4-Dinitrotoluene	9.804	165	28480	6.889	ng	# 22
67) 4-Bromophenyl-phenylether	10.604	248	21075	4.928	ng	# 20
77) Benzidine	12.904	184	17639	5.250	ng	# 1

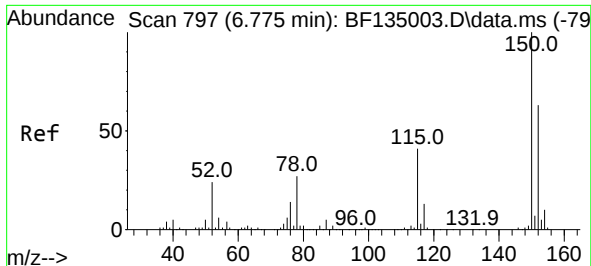
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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

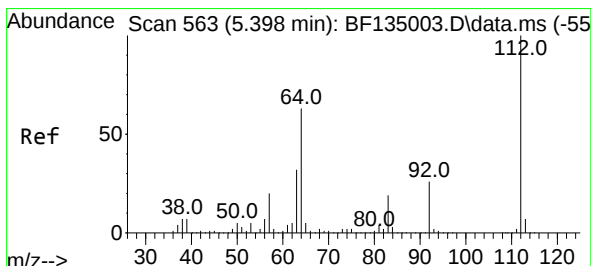
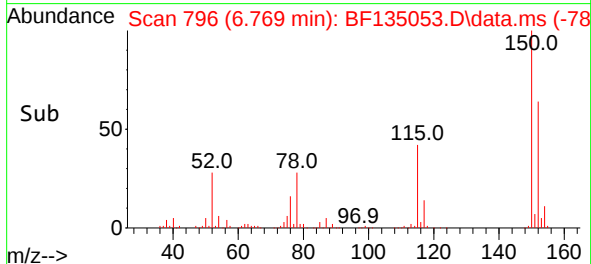
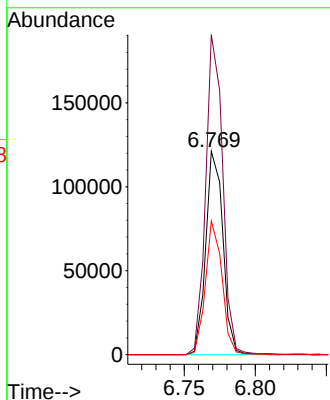
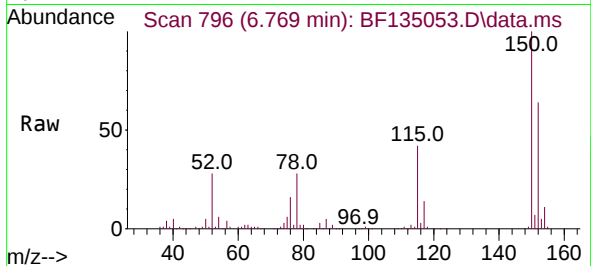




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.769 min Scan# 797
Delta R.T. -0.006 min
Lab File: BF135053.D
Acq: 31 Aug 2023 21:30

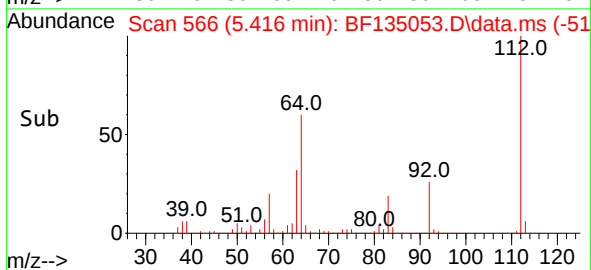
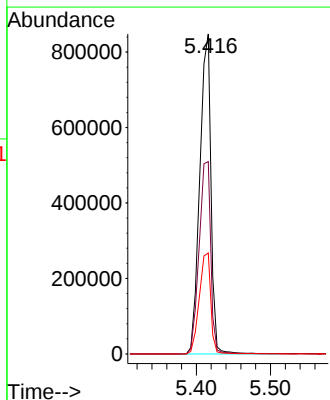
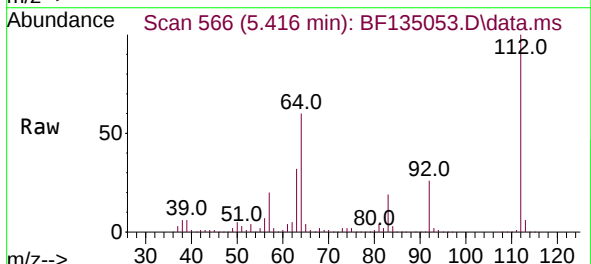
Instrument :
BNA_F
ClientSampleId :
OR-345-COMP-04

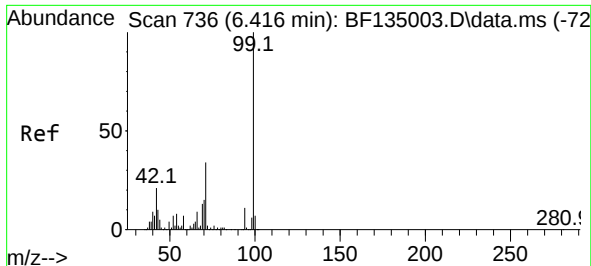
Tgt Ion:152 Resp: 101733
Ion Ratio Lower Upper
152 100
150 157.4 126.2 189.4
115 65.7 51.2 76.8



#5
2-Fluorophenol
Concen: 134.869 ng
RT: 5.416 min Scan# 566
Delta R.T. 0.018 min
Lab File: BF135053.D
Acq: 31 Aug 2023 21:30

Tgt Ion:112 Resp: 888284
Ion Ratio Lower Upper
112 100
64 60.1 50.5 75.7
63 31.5 25.9 38.9

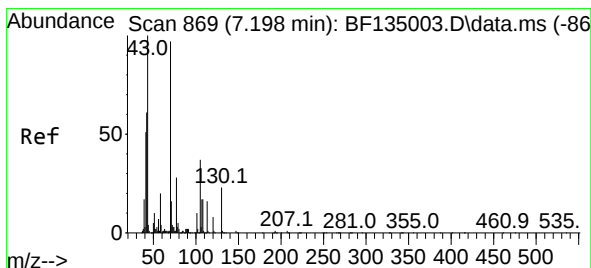
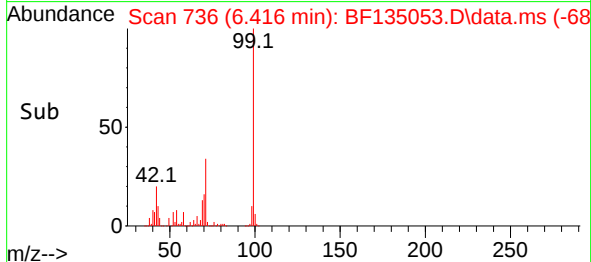
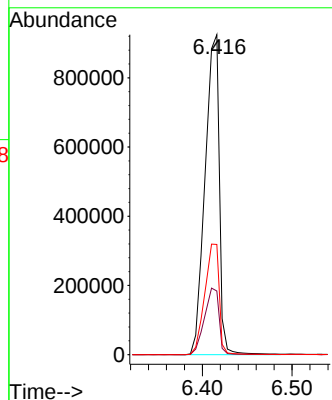
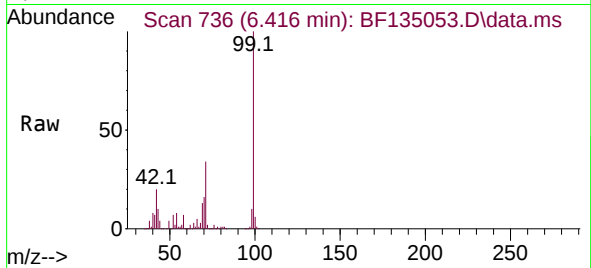




#7
Phenol-d6
Concen: 124.433 ng
RT: 6.416 min Scan# 736
Delta R.T. 0.000 min
Lab File: BF135053.D
Acq: 31 Aug 2023 21:30

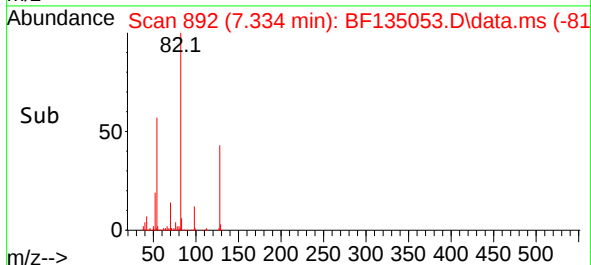
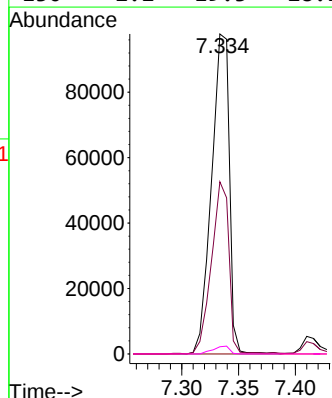
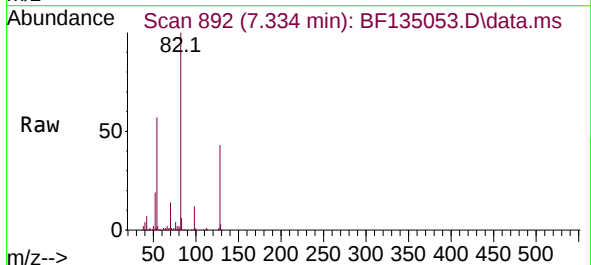
Instrument :
BNA_F
ClientSampleId :
OR-345-COMP-04

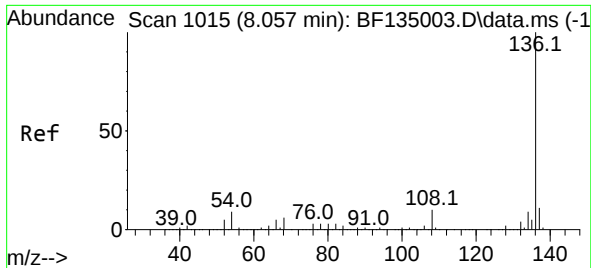
Tgt Ion: 99 Resp: 1021518
Ion Ratio Lower Upper
99 100
42 19.9 16.6 25.0
71 34.4 27.0 40.6



#19
n-Nitroso-di-n-propylamine
Concen: 21.901 ng
RT: 7.334 min Scan# 892
Delta R.T. 0.135 min
Lab File: BF135053.D
Acq: 31 Aug 2023 21:30

Tgt Ion: 70 Resp: 106798
Ion Ratio Lower Upper
70 100
42 53.8 50.2 75.4
101 0.0 8.1 12.1#
130 2.2 19.3 28.9#

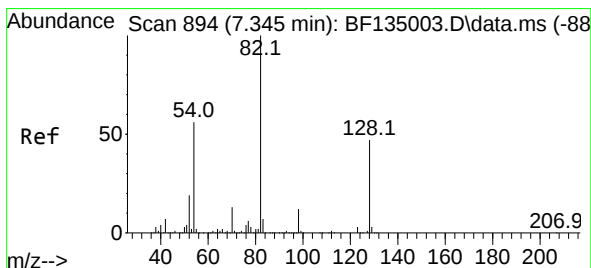
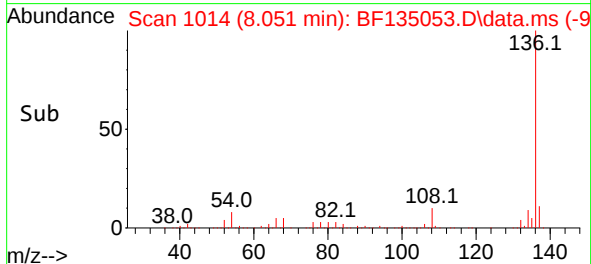
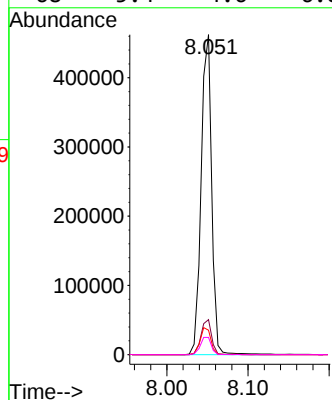
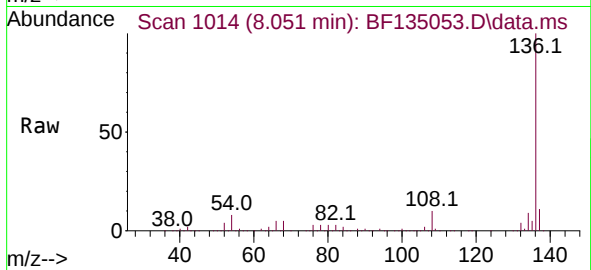




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.051 min Scan# 1014
Delta R.T. -0.006 min
Lab File: BF135053.D
Acq: 31 Aug 2023 21:30

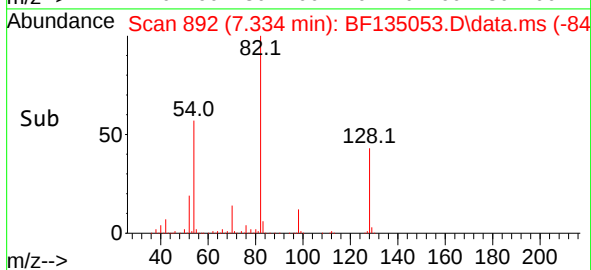
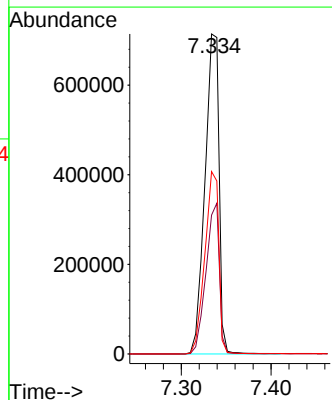
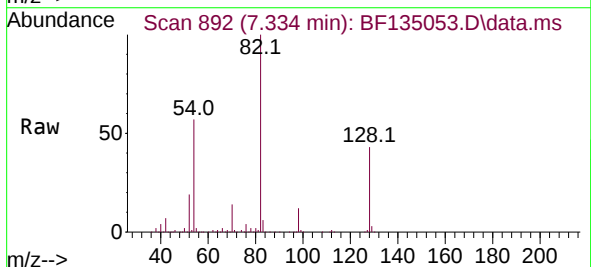
Instrument :
BNA_F
ClientSampleId :
OR-345-COMP-04

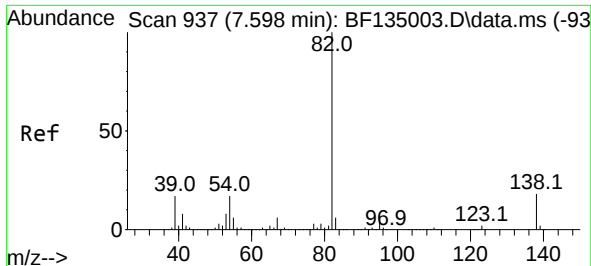
Tgt Ion:	136	Resp:	415177
Ion Ratio	Lower	Upper	
136	100		
137	10.9	8.8	13.2
54	7.6	7.0	10.4
68	5.4	4.6	6.8



#23
Nitrobenzene-d5
Concen: 105.490 ng
RT: 7.334 min Scan# 892
Delta R.T. -0.012 min
Lab File: BF135053.D
Acq: 31 Aug 2023 21:30

Tgt Ion:	82	Resp:	779576
Ion Ratio	Lower	Upper	
82	100		
128	43.4	37.8	56.8
54	57.0	45.0	67.6

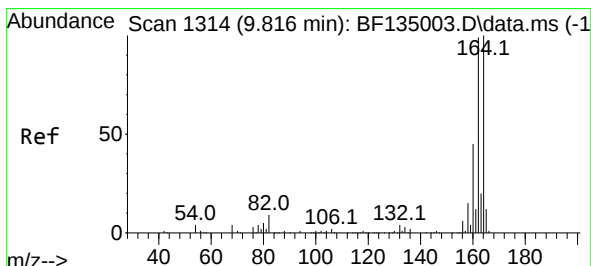
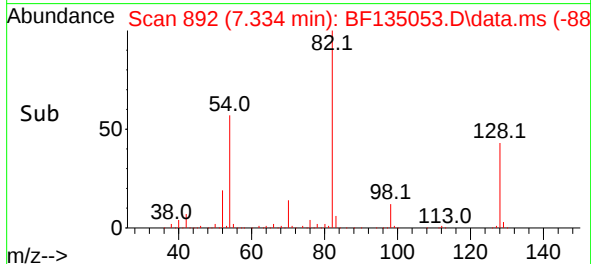
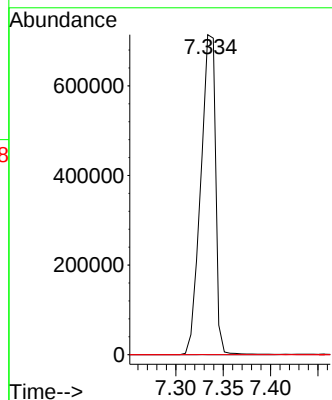
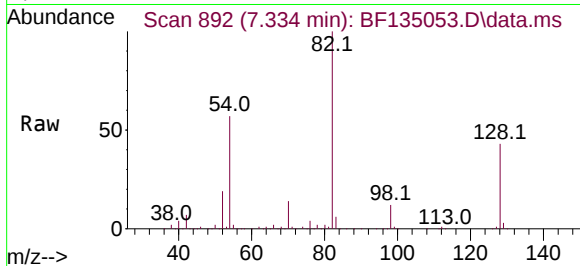




#25
Isophorone
Concen: 55.638 ng
RT: 7.334 min Scan# 89
Delta R.T. -0.265 min
Lab File: BF135053.D
Acq: 31 Aug 2023 21:30

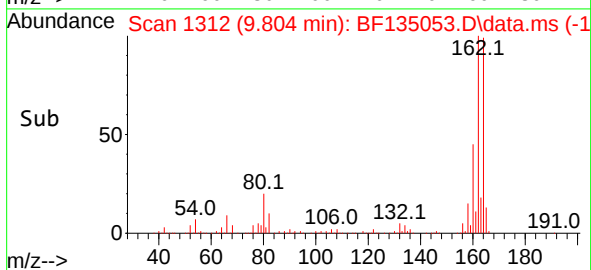
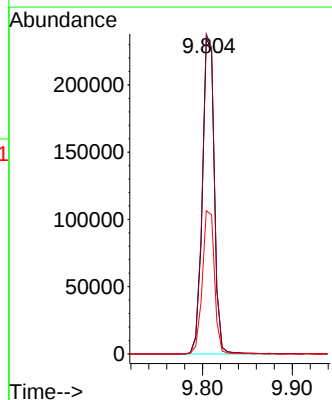
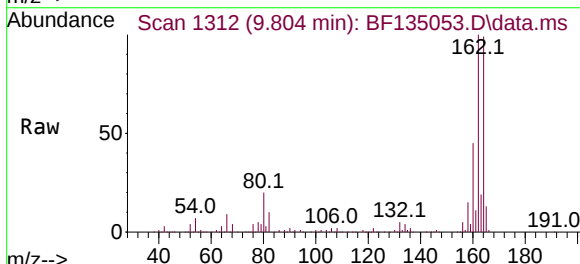
Instrument :
BNA_F
ClientSampleId :
OR-345-COMP-04

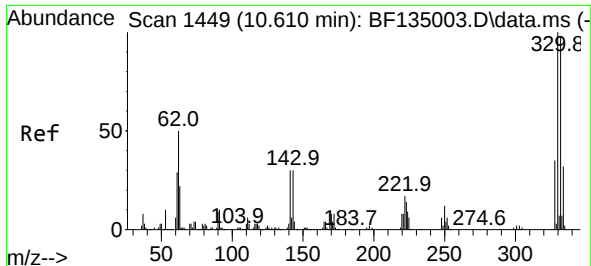
Tgt Ion: 82 Resp: 779563
Ion Ratio Lower Upper
82 100
95 0.0 5.6 8.4#
138 0.0 14.7 22.1#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.804 min Scan# 1312
Delta R.T. -0.012 min
Lab File: BF135053.D
Acq: 31 Aug 2023 21:30

Tgt Ion:164 Resp: 215910
Ion Ratio Lower Upper
164 100
162 101.4 79.5 119.3
160 45.3 36.0 54.0

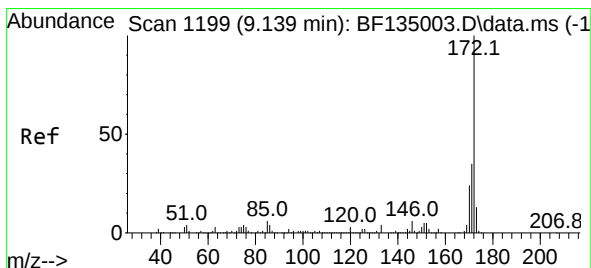
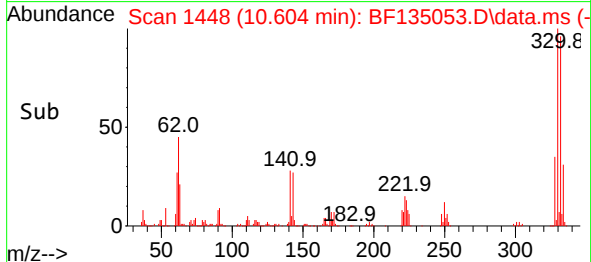
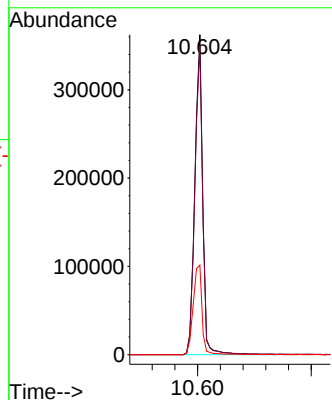
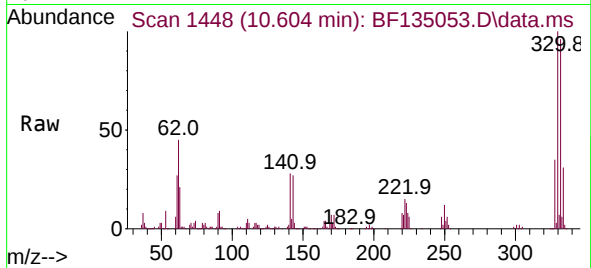




#42
2,4,6-Tribromophenol
Concen: 150.493 ng
RT: 10.604 min Scan# 1448
Delta R.T. -0.006 min
Lab File: BF135053.D
Acq: 31 Aug 2023 21:30

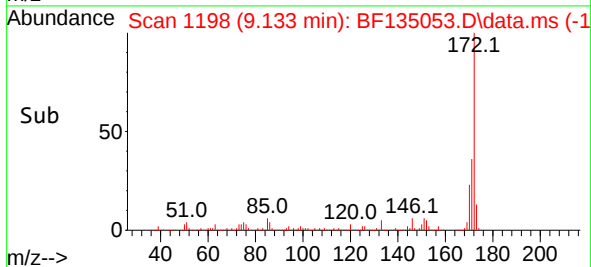
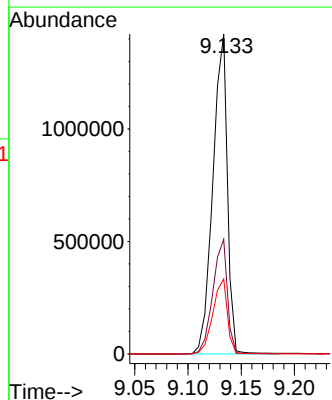
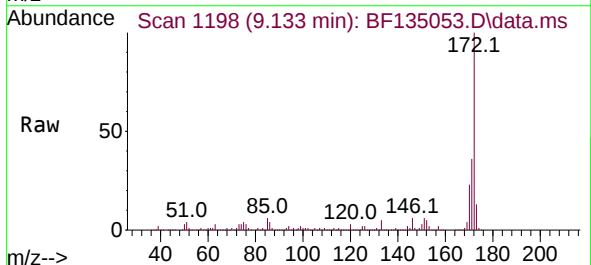
Instrument :
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ClientSampleId :
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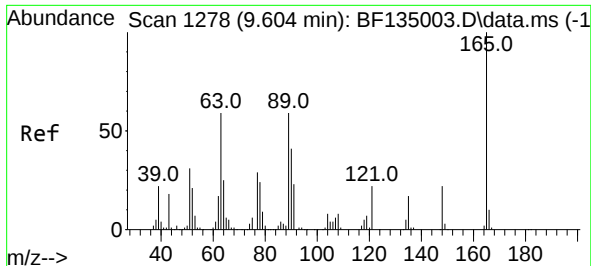
Tgt Ion:330 Resp: 344682
Ion Ratio Lower Upper
330 100
332 96.5 77.6 116.4
141 31.7 26.3 39.5



#45
2-Fluorobiphenyl
Concen: 101.415 ng
RT: 9.133 min Scan# 1198
Delta R.T. -0.006 min
Lab File: BF135053.D
Acq: 31 Aug 2023 21:30

Tgt Ion:172 Resp: 1344909
Ion Ratio Lower Upper
172 100
171 35.8 28.2 42.2
170 23.5 19.0 28.4





#51

2,6-Dinitrotoluene

Concen: 8.585 ng

RT: 9.804 min Scan# 1312

Delta R.T. 0.200 min

Lab File: BF135053.D

Acq: 31 Aug 2023 21:30

Instrument :

BNA_F

ClientSampleId :

OR-345-COMP-04

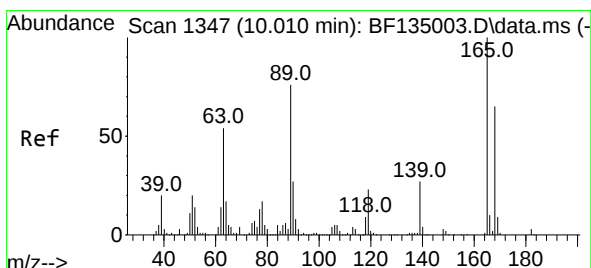
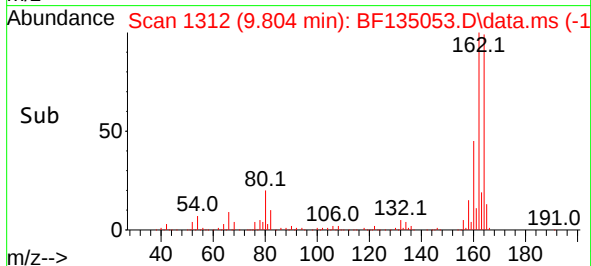
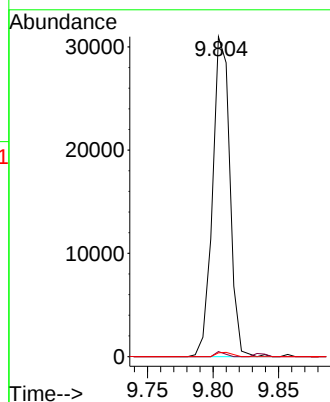
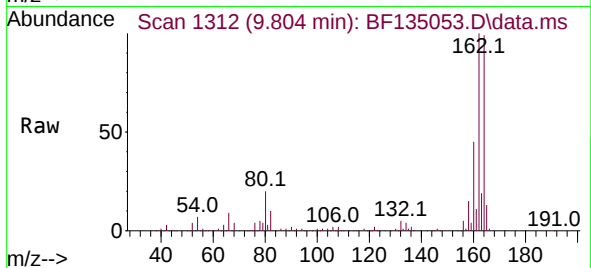
Tgt Ion:165 Resp: 28480

Ion Ratio Lower Upper

165 100

63 1.6 50.4 75.6#

89 1.2 47.1 70.7#



#57

2,4-Dinitrotoluene

Concen: 6.889 ng

RT: 9.804 min Scan# 1312

Delta R.T. -0.206 min

Lab File: BF135053.D

Acq: 31 Aug 2023 21:30

Tgt Ion:165 Resp: 28480

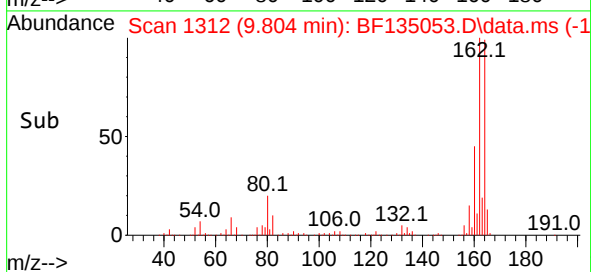
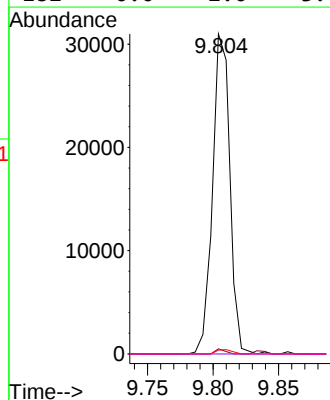
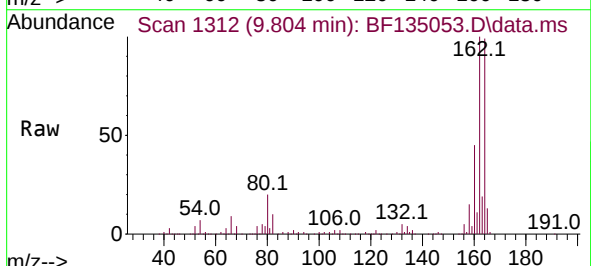
Ion Ratio Lower Upper

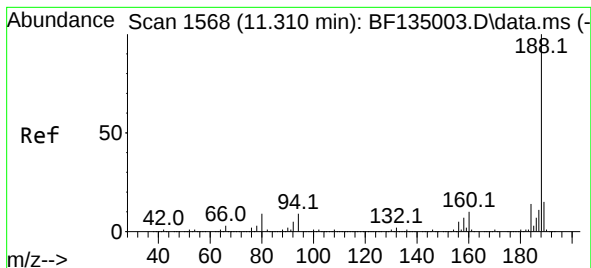
165 100

63 1.6 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# 11

Delta R.T. -0.012 min

Lab File: BF135053.D

Acq: 31 Aug 2023 21:30

Instrument :

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ClientSampleId :

OR-345-COMP-04

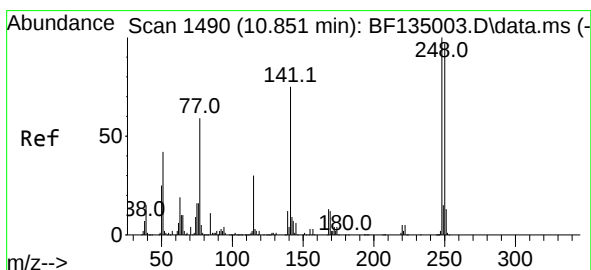
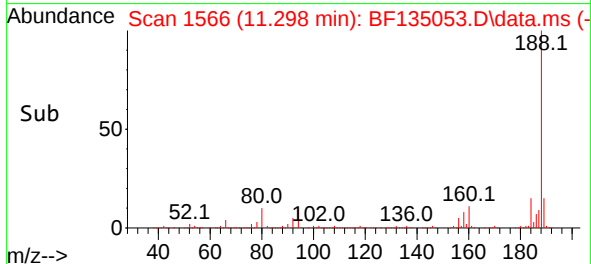
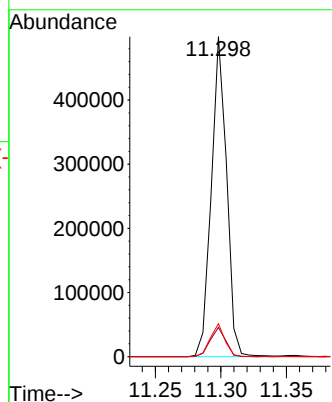
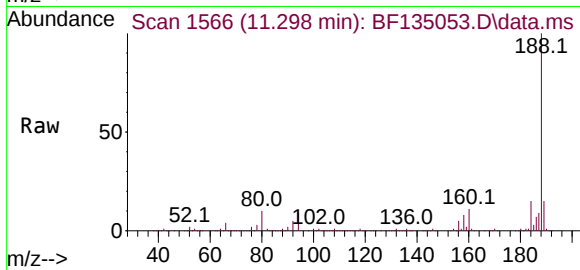
Tgt Ion:188 Resp: 403194

Ion Ratio Lower Upper

188 100

94 9.1 7.0 10.4

80 10.3 7.4 11.2



#67

4-Bromophenyl-phenylether

Concen: 4.928 ng

RT: 10.604 min Scan# 1448

Delta R.T. -0.247 min

Lab File: BF135053.D

Acq: 31 Aug 2023 21:30

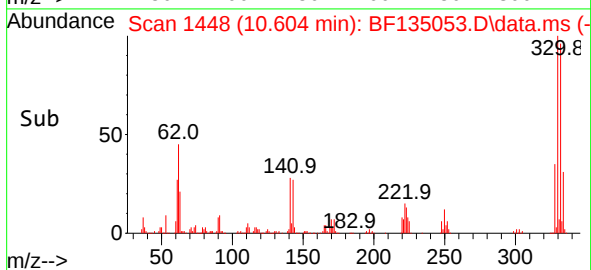
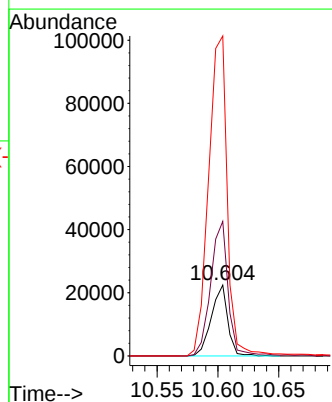
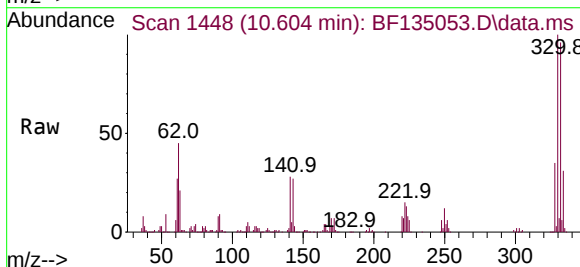
Tgt Ion:248 Resp: 21075

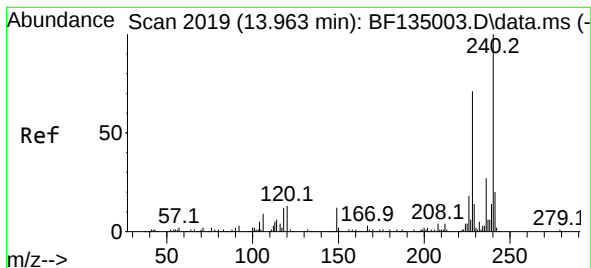
Ion Ratio Lower Upper

248 100

250 190.0 77.9 116.9#

141 451.9 59.8 89.8#





#76

Chrysene-d12

Concen: 20.000 ng

RT: 13.951 min Scan# 20

Delta R.T. -0.012 min

Lab File: BF135053.D

Acq: 31 Aug 2023 21:30

Instrument :

BNA_F

ClientSampleId :

OR-345-COMP-04

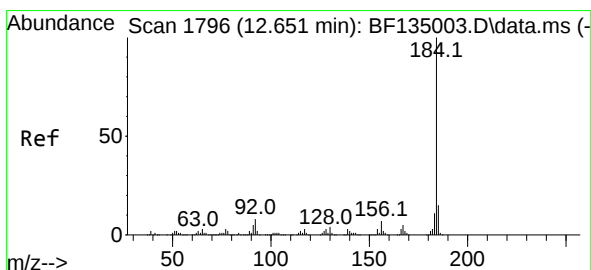
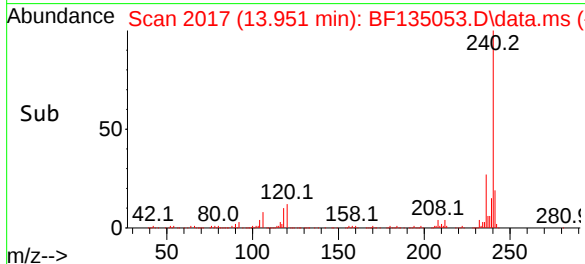
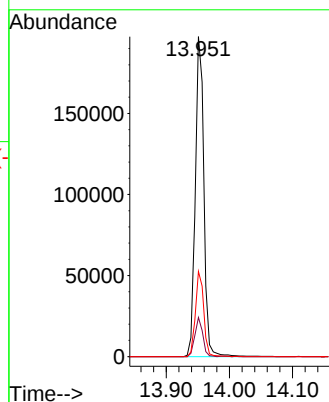
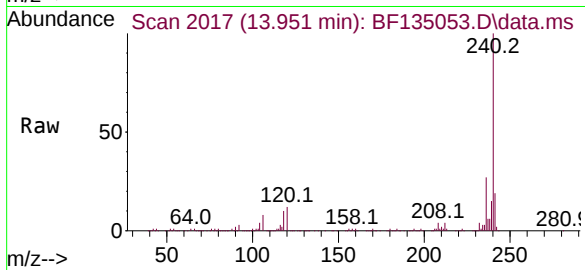
Tgt Ion:240 Resp: 186376

Ion Ratio Lower Upper

240 100

120 12.2 10.2 15.2

236 26.6 21.3 31.9



#77

Benzidine

Concen: 5.250 ng

RT: 12.904 min Scan# 1839

Delta R.T. 0.253 min

Lab File: BF135053.D

Acq: 31 Aug 2023 21:30

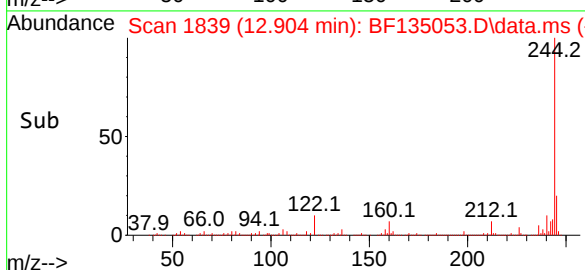
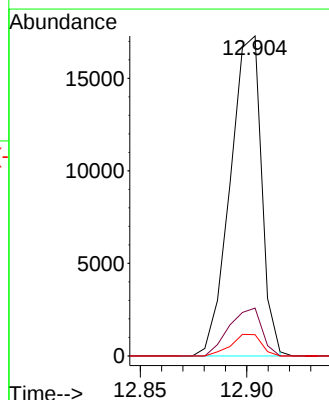
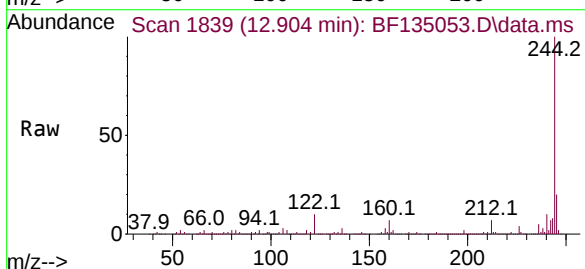
Tgt Ion:184 Resp: 17639

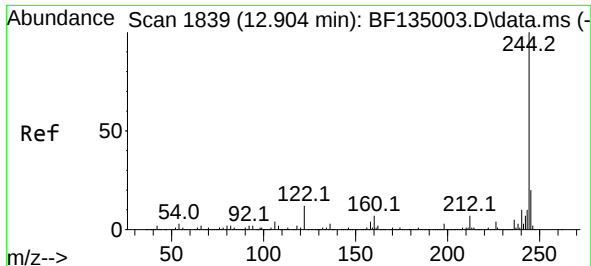
Ion Ratio Lower Upper

184 100

185 14.9 12.0 18.0

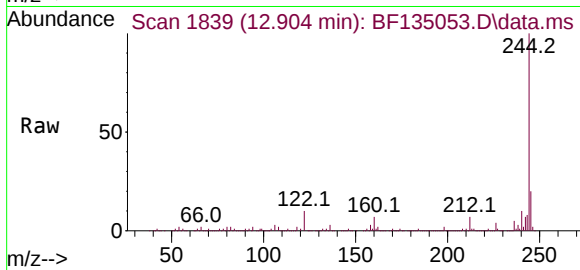
183 6.6 9.0 13.6#



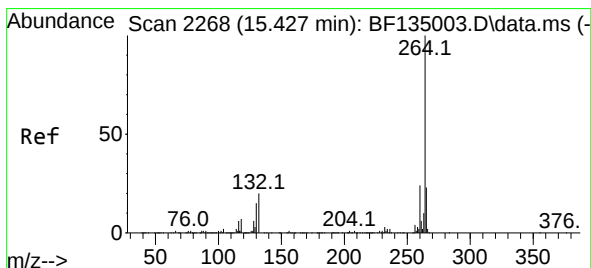
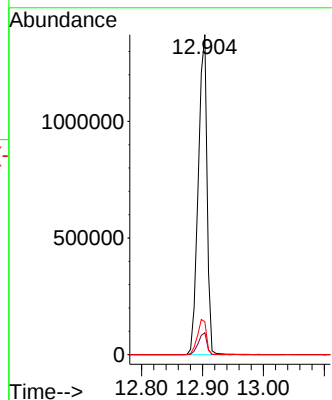
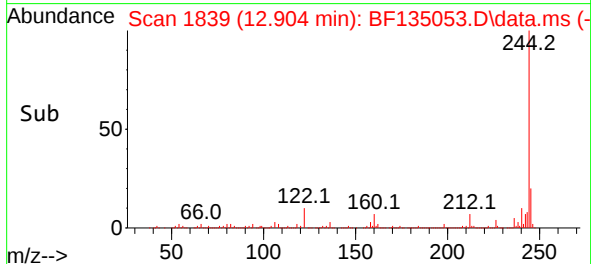


#79
 Terphenyl-d14
 Concen: 120.046 ng
 RT: 12.904 min Scan# 1839
 Delta R.T. 0.000 min
 Lab File: BF135053.D
 Acq: 31 Aug 2023 21:30

Instrument :
 BNA_F
 ClientSampleId :
 OR-345-COMP-04



Tgt Ion:244 Resp: 1371027
 Ion Ratio Lower Upper
 244 100
 212 6.8 5.6 8.4
 122 10.3 9.8 14.6



#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.421 min Scan# 2267
 Delta R.T. -0.006 min
 Lab File: BF135053.D
 Acq: 31 Aug 2023 21:30

Tgt Ion:264 Resp: 207837
 Ion Ratio Lower Upper
 264 100
 260 24.5 19.0 28.6
 265 21.7 18.2 27.2

