

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF100423\
 Data File : BF135569.D
 Acq On : 04 Oct 2023 13:57
 Operator : CG\JU
 Sample : 04652-10
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 IS4-COMP

Quant Time: Oct 04 14:25:24 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF091123.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Oct 04 06:58:43 2023
 Response via : Initial Calibration

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

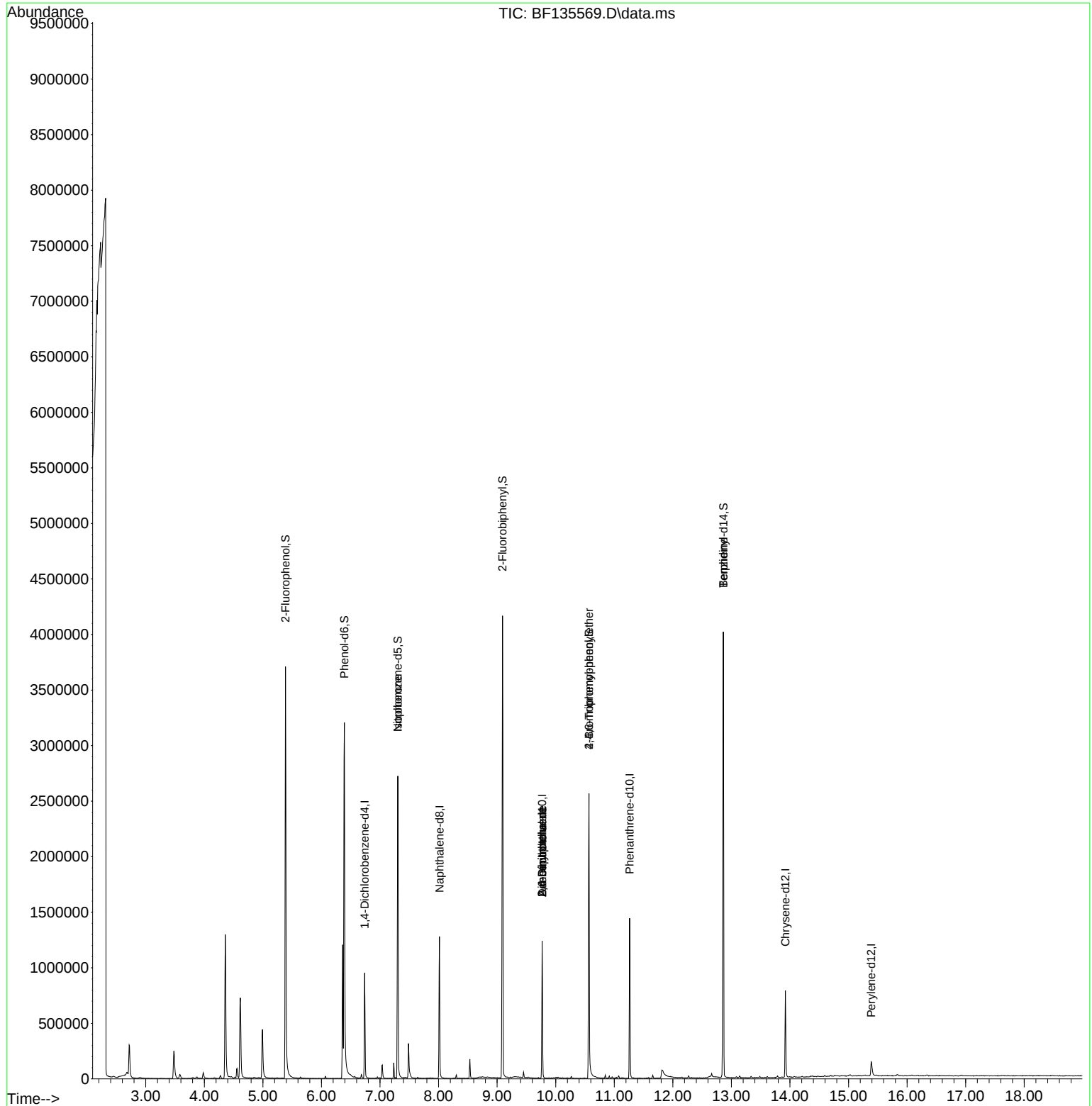
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.740	152	137927	20.000	ng	-0.01
21) Naphthalene-d8	8.016	136	548908	20.000	ng	-0.01
39) Acenaphthene-d10	9.769	164	221573	20.000	ng	-0.02
64) Phenanthrene-d10	11.263	188	497506	20.000	ng	#-0.01
76) Chrysene-d12	13.921	240	218792	20.000	ng	-0.01
86) Perylene-d12	15.386	264	40714	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.387	112	1055036	124.411	ng	0.00
7) Phenol-d6	6.393	99	1101586	102.158	ng	-0.01
23) Nitrobenzene-d5	7.304	82	877131	86.816	ng	-0.02
42) 2,4,6-Tribromophenol	10.569	330	330638	150.160	ng	-0.01
45) 2-Fluorobiphenyl	9.092	172	1457677	99.255	ng	-0.02
79) Terphenyl-d14	12.863	244	1481756	104.986	ng	-0.01
Target Compounds						
25) Isophorone	7.304	82	877124	47.278	ng	# 65
50) Dimethylphthalate	9.769	163	58834	3.927	ng	# 1
51) 2,6-Dinitrotoluene	9.769	165	28818	8.781	ng	# 18
57) 2,4-Dinitrotoluene	9.769	165	28818	7.014	ng	# 19
67) 4-Bromophenyl-phenylether	10.569	248	20462	4.135	ng	# 1
77) Benzidine	12.863	184	19260	4.297	ng	# 92

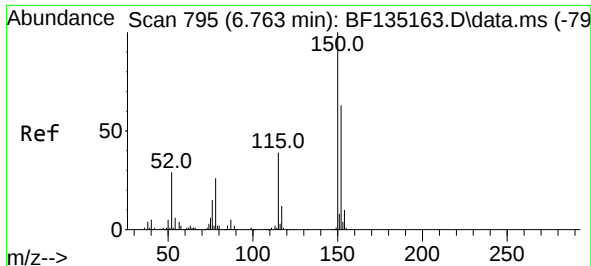
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.740 min Scan# 795
Delta R.T. -0.011 min
Lab File: BF135569.D
Acq: 04 Oct 2023 13:57

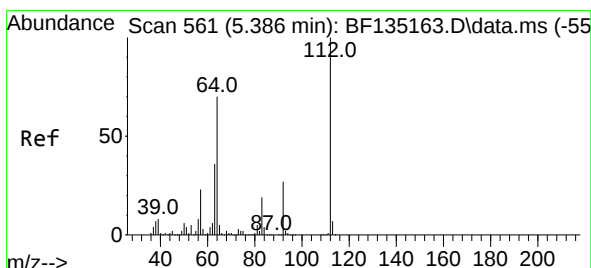
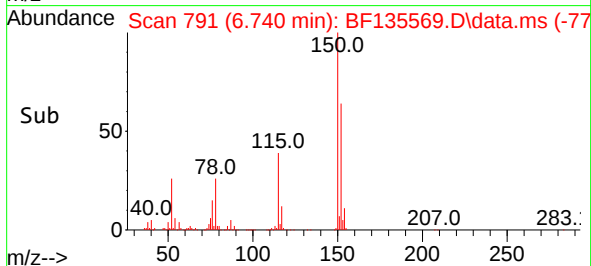
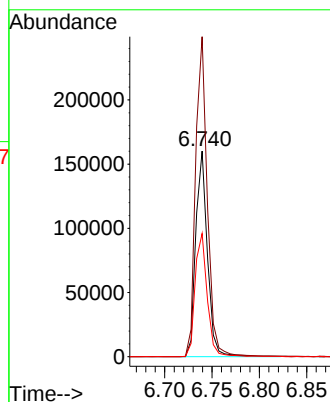
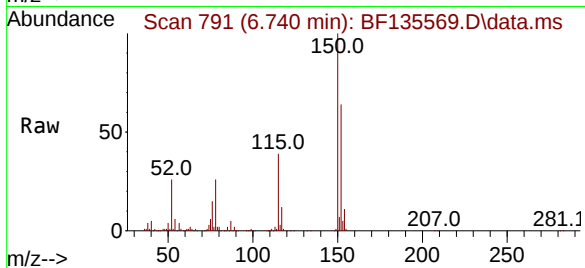
Instrument :

BNA_F

ClientSampleId :

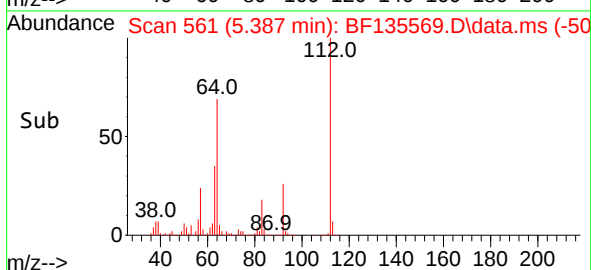
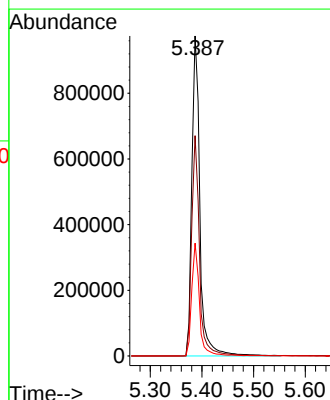
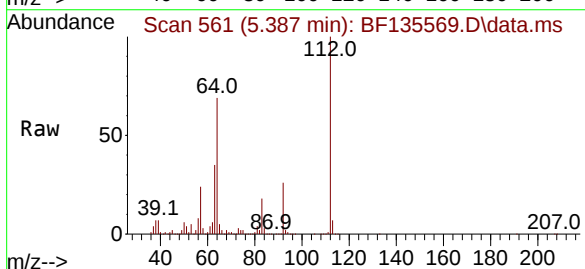
IS4-COMP

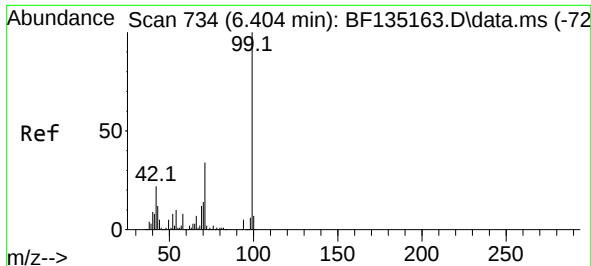
Tgt Ion:152 Resp: 137927
Ion Ratio Lower Upper
152 100
150 155.6 127.8 191.6
115 59.9 49.8 74.8



#5
2-Fluorophenol
Concen: 124.411 ng
RT: 5.387 min Scan# 561
Delta R.T. 0.006 min
Lab File: BF135569.D
Acq: 04 Oct 2023 13:57

Tgt Ion:112 Resp: 1055036
Ion Ratio Lower Upper
112 100
64 68.8 55.9 83.9
63 35.2 29.0 43.6





#7

Phenol-d6

Concen: 102.158 ng

RT: 6.393 min Scan# 71

Delta R.T. -0.012 min

Lab File: BF135569.D

Acq: 04 Oct 2023 13:57

Instrument :

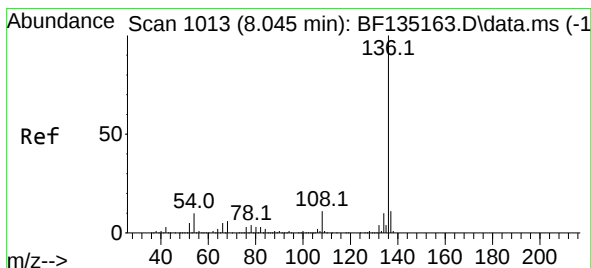
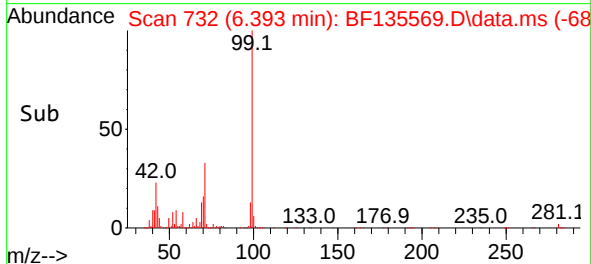
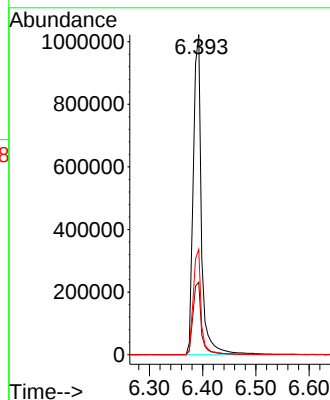
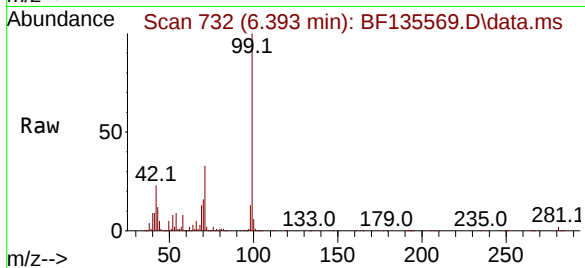
BNA_F

ClientSampleId :

IS4-COMP

Tgt Ion: 99 Resp: 1101586

Ion	Ratio	Lower	Upper
99	100		
42	22.7	17.9	26.9
71	32.9	27.0	40.6



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.016 min Scan# 1008

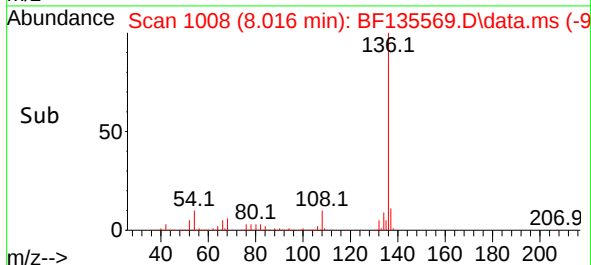
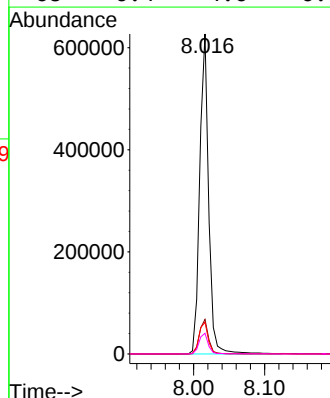
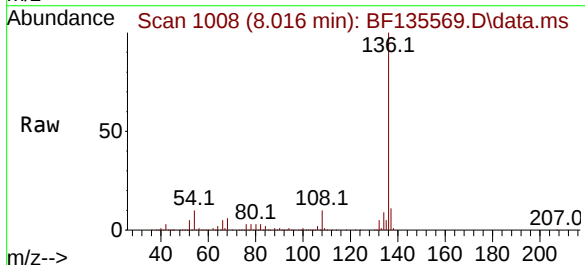
Delta R.T. -0.012 min

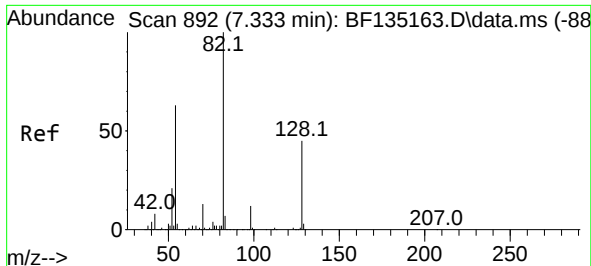
Lab File: BF135569.D

Acq: 04 Oct 2023 13:57

Tgt Ion:136 Resp: 548908

Ion	Ratio	Lower	Upper
136	100		
137	10.8	8.8	13.2
54	9.9	7.7	11.5
68	6.4	4.6	6.8





#23

Nitrobenzene-d5

Concen: 86.816 ng

RT: 7.304 min Scan# 887

Delta R.T. -0.018 min

Lab File: BF135569.D

Acq: 04 Oct 2023 13:57

Instrument :

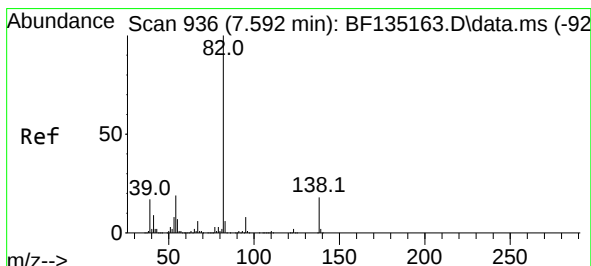
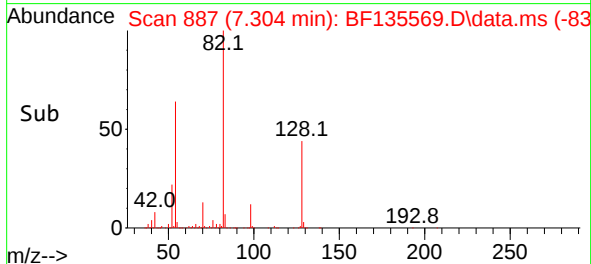
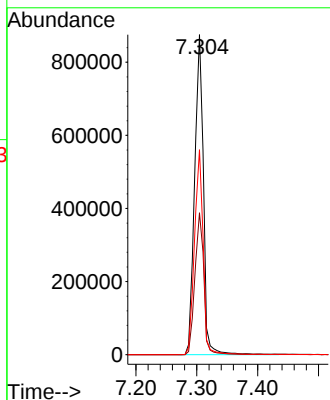
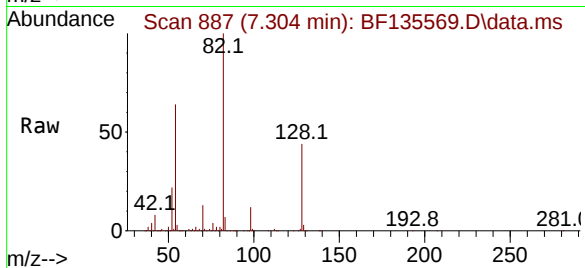
BNA_F

ClientSampleId :

IS4-COMP

Tgt Ion: 82 Resp: 877131

Ion	Ratio	Lower	Upper
82	100		
128	44.4	35.8	53.6
54	64.0	50.6	76.0



#25

Isophorone

Concen: 47.278 ng

RT: 7.304 min Scan# 887

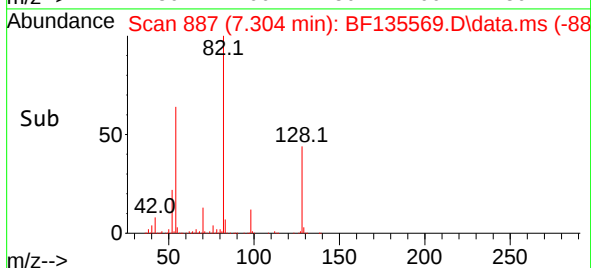
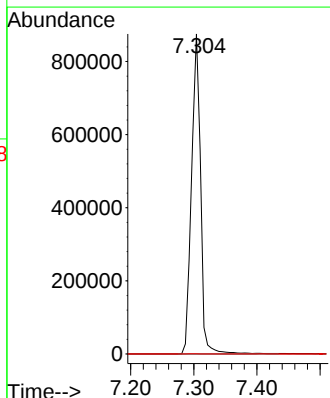
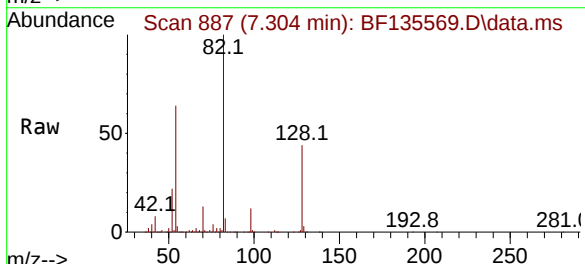
Delta R.T. -0.270 min

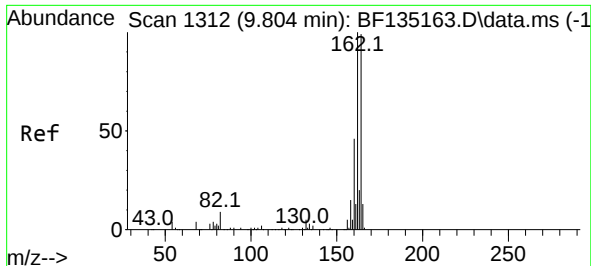
Lab File: BF135569.D

Acq: 04 Oct 2023 13:57

Tgt Ion: 82 Resp: 877124

Ion	Ratio	Lower	Upper
82	100		
95	0.0	6.0	9.0#
138	0.0	14.5	21.7#





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.769 min Scan# 1

Delta R.T. -0.018 min

Lab File: BF135569.D

Acq: 04 Oct 2023 13:57

Instrument :

BNA_F

ClientSampleId :

IS4-COMP

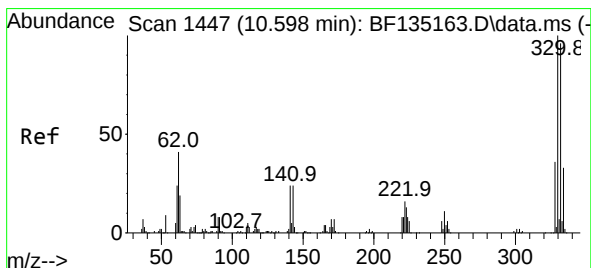
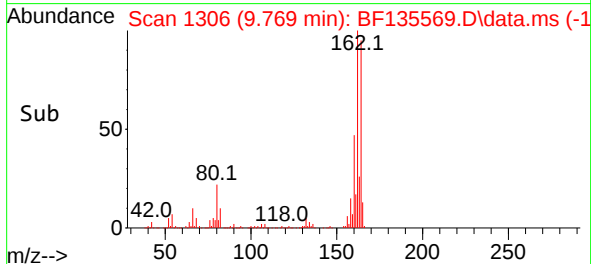
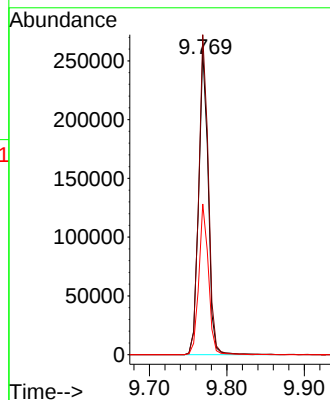
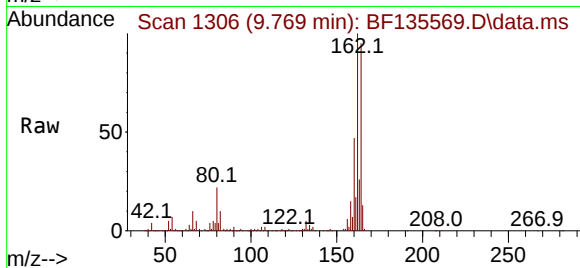
Tgt Ion:164 Resp: 221573

Ion Ratio Lower Upper

164 100

162 105.3 81.0 121.4

160 49.6 37.0 55.4



#42

2,4,6-Tribromophenol

Concen: 150.160 ng

RT: 10.569 min Scan# 1442

Delta R.T. -0.012 min

Lab File: BF135569.D

Acq: 04 Oct 2023 13:57

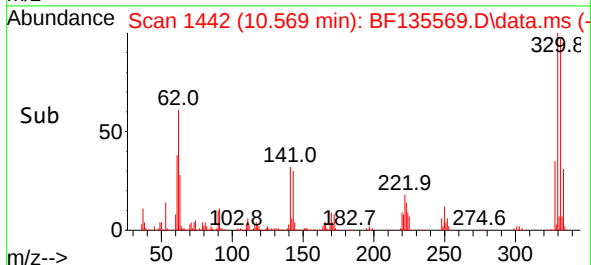
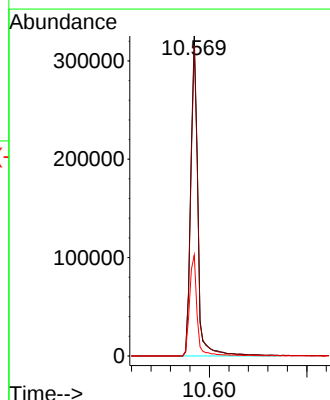
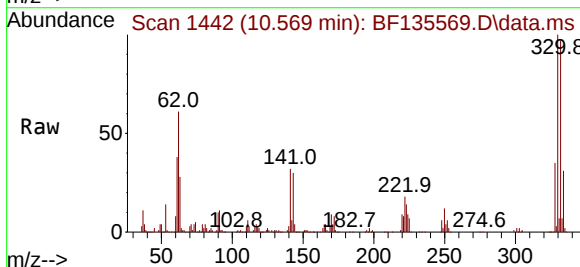
Tgt Ion:330 Resp: 330638

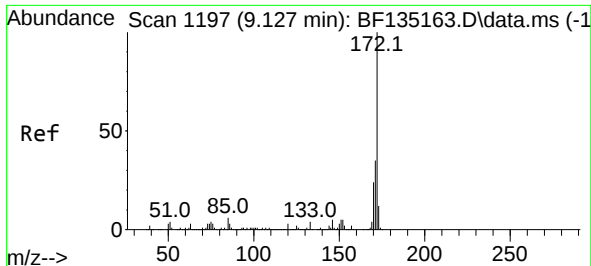
Ion Ratio Lower Upper

330 100

332 96.4 77.3 115.9

141 33.1 25.8 38.8

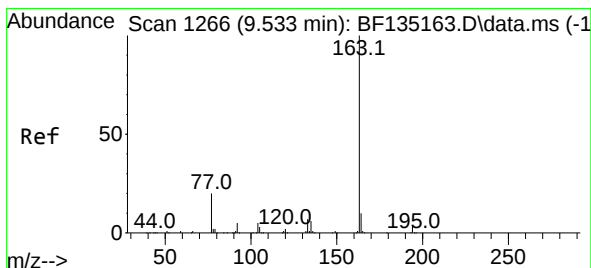
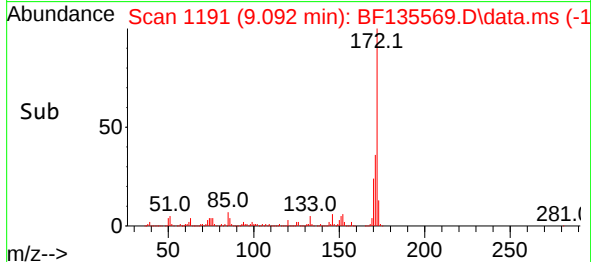
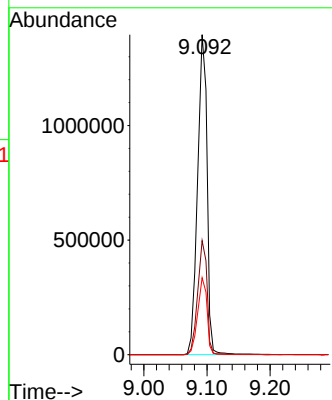
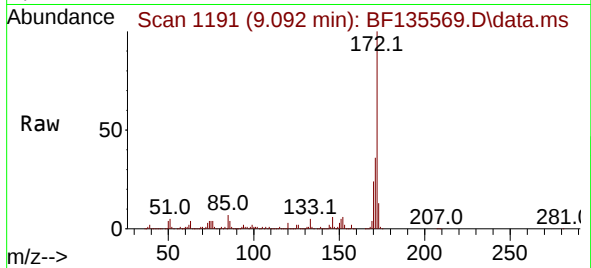




#45
2-Fluorobiphenyl
Concen: 99.255 ng
RT: 9.092 min Scan# 1197
Delta R.T. -0.018 min
Lab File: BF135569.D
Acq: 04 Oct 2023 13:57

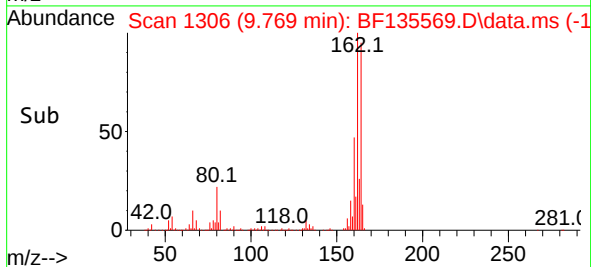
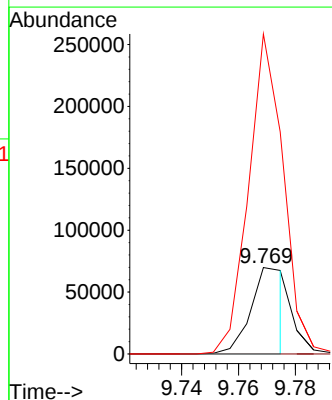
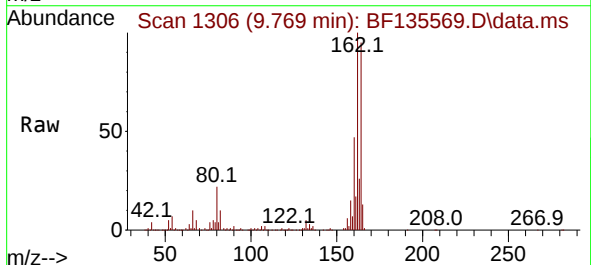
Instrument :
BNA_F
ClientSampleId :
IS4-COMP

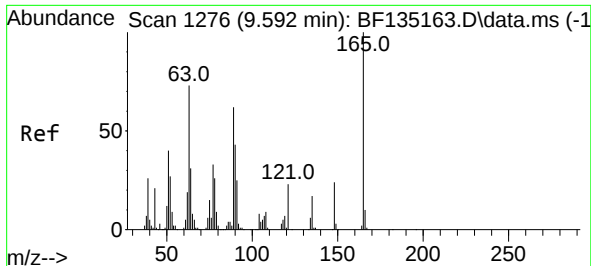
Tgt Ion:172 Resp: 1457677
Ion Ratio Lower Upper
172 100
171 35.7 28.4 42.6
170 24.1 19.0 28.4



#50
Dimethylphthalate
Concen: 3.927 ng
RT: 9.769 min Scan# 1306
Delta R.T. 0.253 min
Lab File: BF135569.D
Acq: 04 Oct 2023 13:57

Tgt Ion:163 Resp: 58834
Ion Ratio Lower Upper
163 100
194 0.0 3.1 4.7#
164 370.3 8.1 12.1#

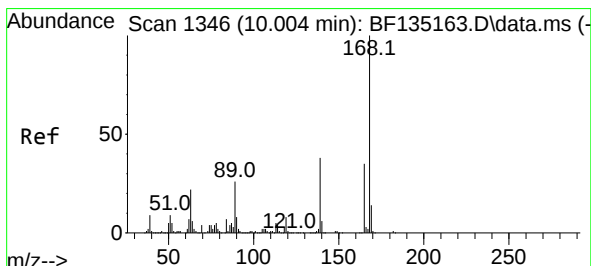
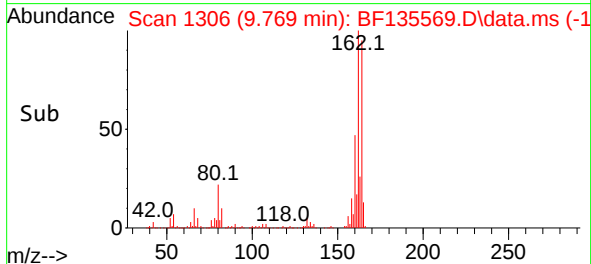
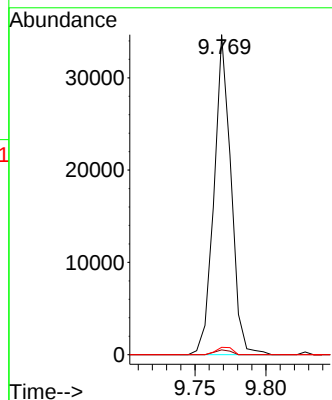
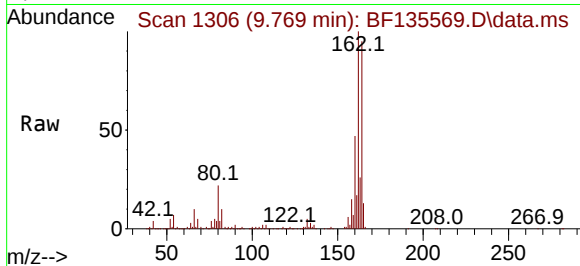




#51
2,6-Dinitrotoluene
Concen: 8.781 ng
RT: 9.769 min Scan# 11
Delta R.T. 0.182 min
Lab File: BF135569.D
Acq: 04 Oct 2023 13:57

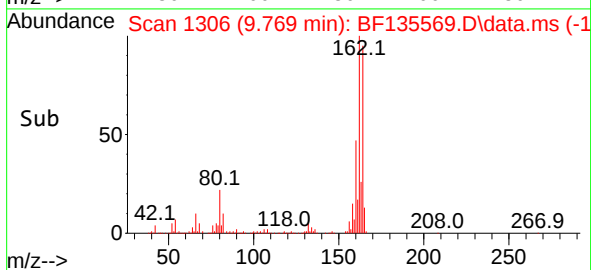
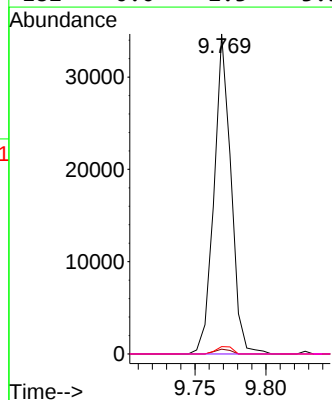
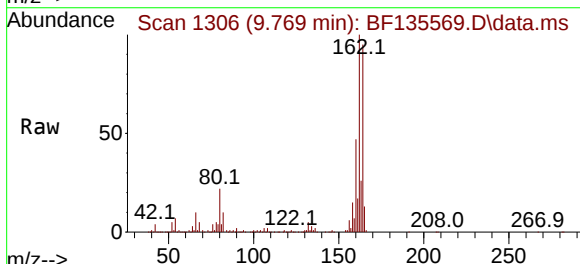
Instrument :
BNA_F
ClientSampleId :
IS4-COMP

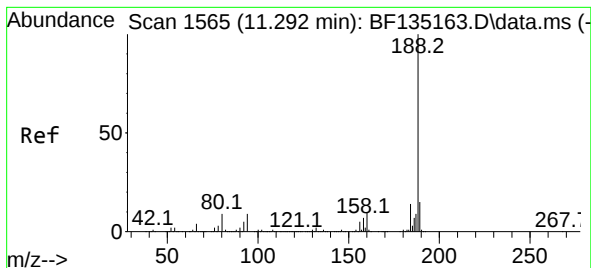
Tgt Ion:165 Resp: 28818
Ion Ratio Lower Upper
165 100
63 1.5 59.4 89.2#
89 2.3 49.8 74.8#



#57
2,4-Dinitrotoluene
Concen: 7.014 ng
RT: 9.769 min Scan# 1306
Delta R.T. -0.223 min
Lab File: BF135569.D
Acq: 04 Oct 2023 13:57

Tgt Ion:165 Resp: 28818
Ion Ratio Lower Upper
165 100
63 1.5 50.1 75.1#
89 2.3 59.3 88.9#
182 0.0 2.3 3.5#





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.263 min Scan# 1

Delta R.T. -0.012 min

Lab File: BF135569.D

Acq: 04 Oct 2023 13:57

Instrument :

BNA_F

ClientSampleId :

IS4-COMP

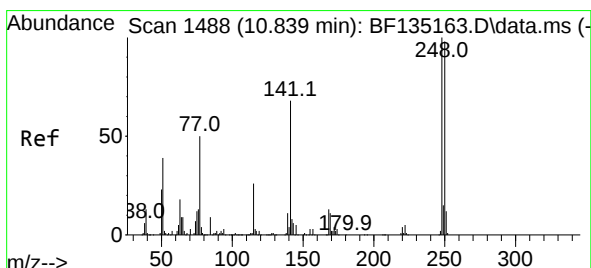
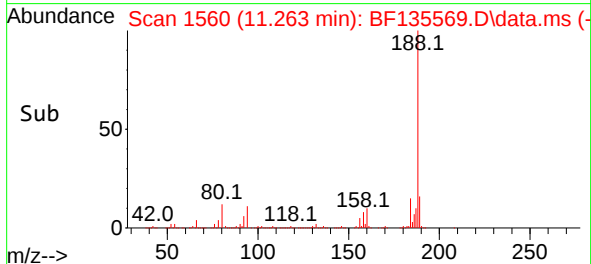
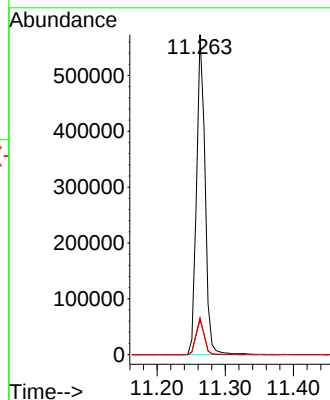
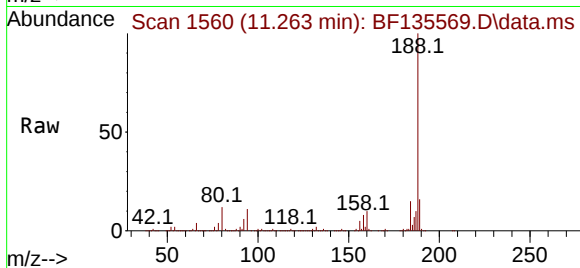
Tgt Ion:188 Resp: 497506

Ion Ratio Lower Upper

188 100

94 10.9 7.0 10.6#

80 11.6 7.5 11.3#



#67

4-Bromophenyl-phenylether

Concen: 4.135 ng

RT: 10.569 min Scan# 1442

Delta R.T. -0.253 min

Lab File: BF135569.D

Acq: 04 Oct 2023 13:57

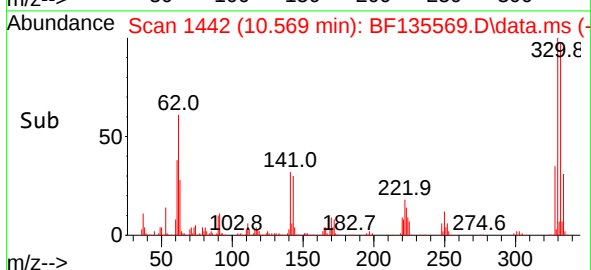
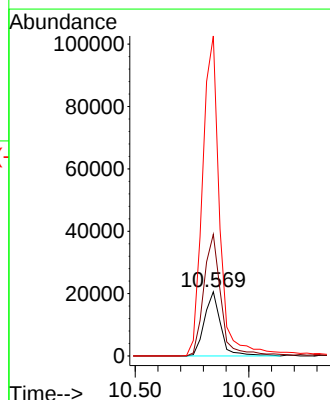
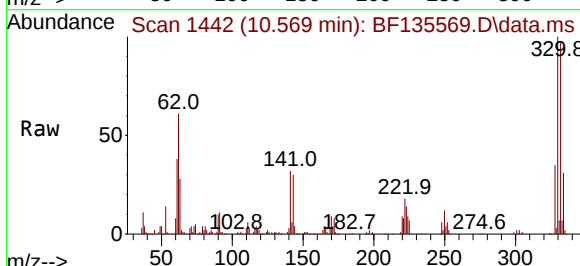
Tgt Ion:248 Resp: 20462

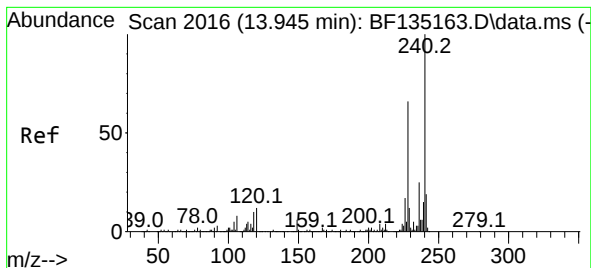
Ion Ratio Lower Upper

248 100

250 189.6 78.6 117.8#

141 499.2 54.2 81.2#





#76

Chrysene-d12

Concen: 20.000 ng

RT: 13.921 min Scan# 2016

Delta R.T. -0.012 min

Lab File: BF135569.D

Acq: 04 Oct 2023 13:57

Instrument :

BNA_F

ClientSampleId :

IS4-COMP

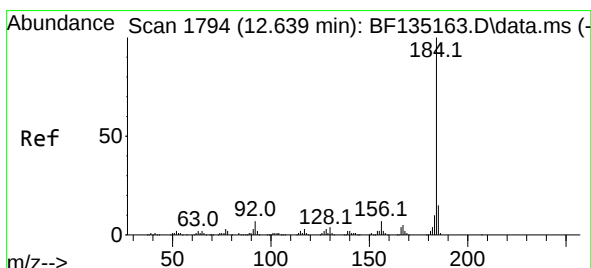
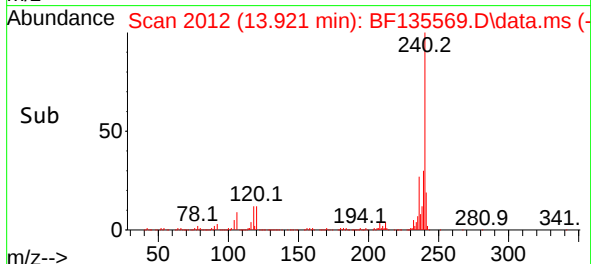
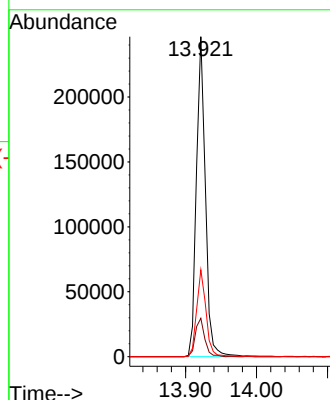
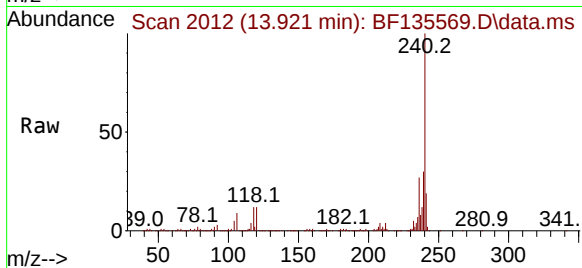
Tgt Ion:240 Resp: 218792

Ion Ratio Lower Upper

240 100

120 12.0 9.4 14.2

236 27.1 19.8 29.8



#77

Benzidine

Concen: 4.297 ng

RT: 12.863 min Scan# 1832

Delta R.T. 0.241 min

Lab File: BF135569.D

Acq: 04 Oct 2023 13:57

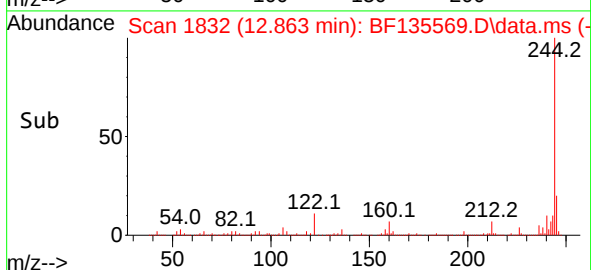
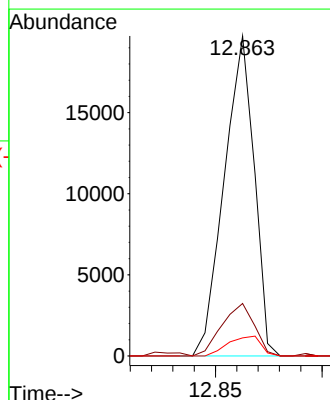
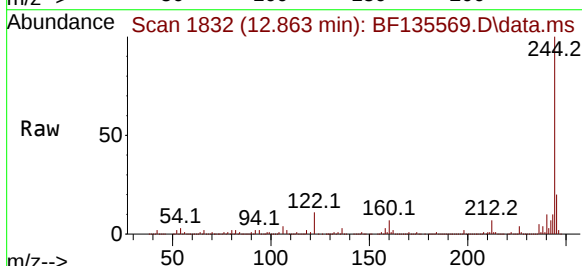
Tgt Ion:184 Resp: 19260

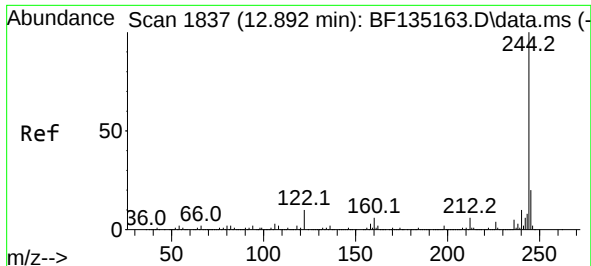
Ion Ratio Lower Upper

184 100

185 16.4 11.7 17.5

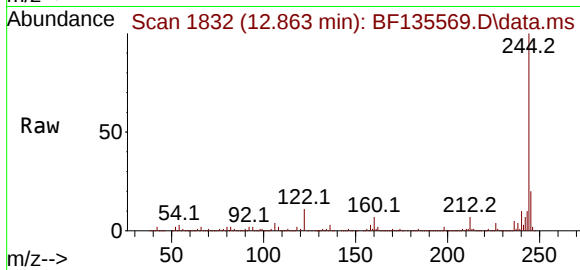
183 5.7 8.2 12.4#



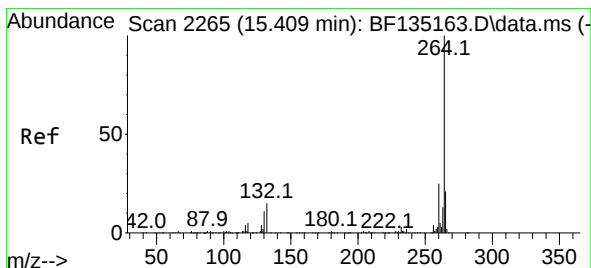
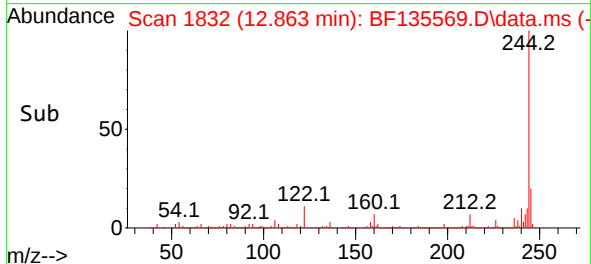
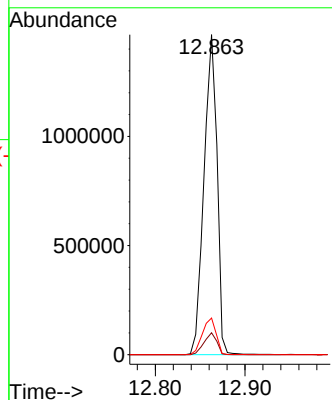


#79
 Terphenyl-d14
 Concen: 104.986 ng
 RT: 12.863 min Scan# 1832
 Delta R.T. -0.012 min
 Lab File: BF135569.D
 Acq: 04 Oct 2023 13:57

Instrument :
 BNA_F
 ClientSampleId :
 IS4-COMP



Tgt Ion:244 Resp: 1481756
 Ion Ratio Lower Upper
 244 100
 212 6.9 5.1 7.7
 122 11.5 7.9 11.9



#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.386 min Scan# 2261
 Delta R.T. -0.006 min
 Lab File: BF135569.D
 Acq: 04 Oct 2023 13:57

Tgt Ion:264 Resp: 40714
 Ion Ratio Lower Upper
 264 100
 260 28.8 19.8 29.6
 265 20.6 17.0 25.4

