

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF092823\
 Data File : BF135496.D
 Acq On : 28 Sep 2023 16:35
 Operator : CG\JU
 Sample : 04620-10
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 STONE-IN

Quant Time: Sep 29 00:24:05 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF091123.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Sep 28 19:03:19 2023
 Response via : Initial Calibration

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

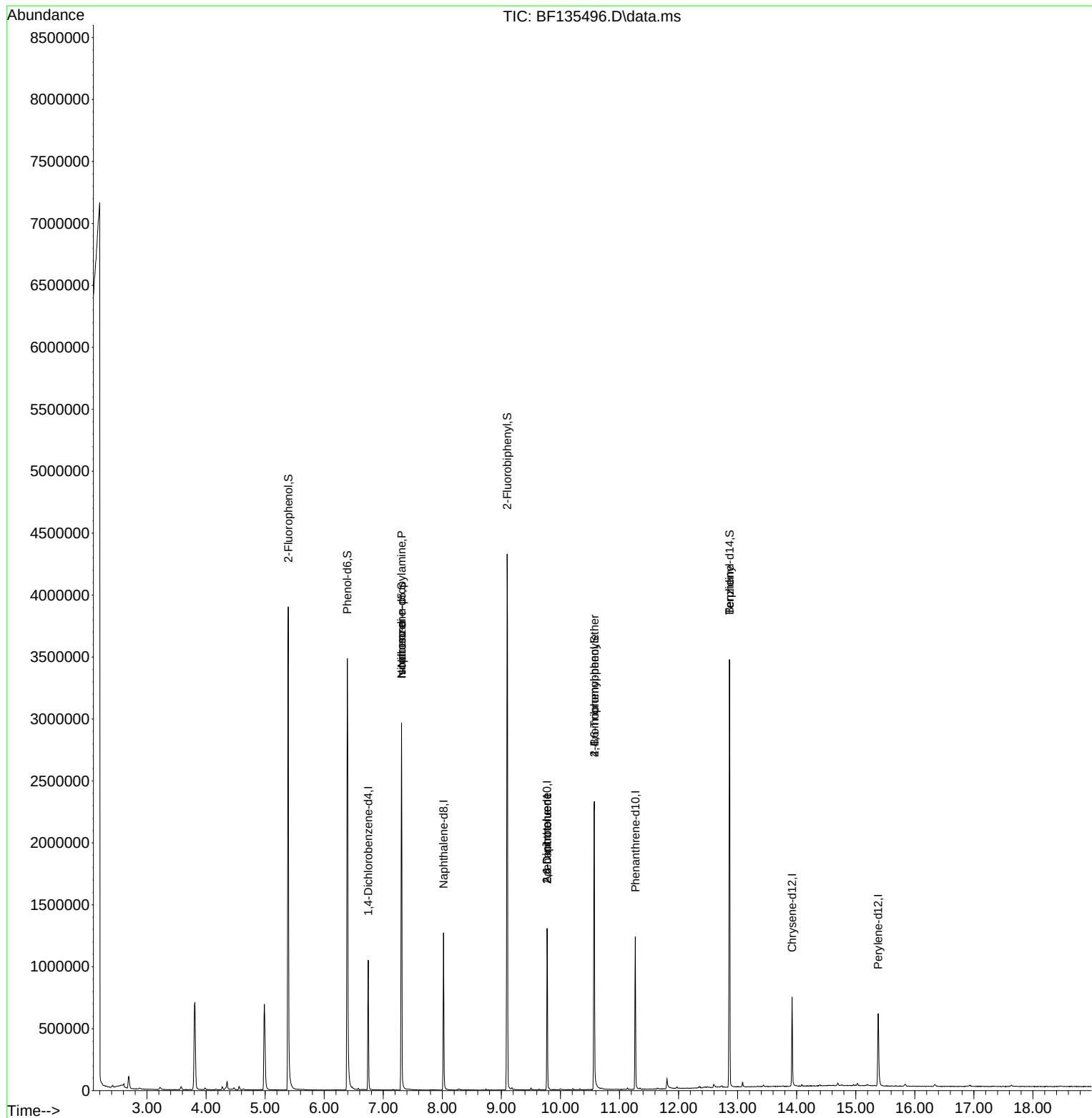
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.745	152	142807	20.000	ng	0.00
21) Naphthalene-d8	8.022	136	534961	20.000	ng	# 0.00
39) Acenaphthene-d10	9.775	164	254062	20.000	ng	0.00
64) Phenanthrene-d10	11.269	188	444173	20.000	ng	0.00
76) Chrysene-d12	13.921	240	232321	20.000	ng	0.00
86) Perylene-d12	15.380	264	280168	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.393	112	1148311	130.783	ng	0.02
7) Phenol-d6	6.392	99	1346602	120.613	ng	0.00
23) Nitrobenzene-d5	7.310	82	969979	98.509	ng	0.00
42) 2,4,6-Tribromophenol	10.575	330	297003	117.636	ng	0.00
45) 2-Fluorobiphenyl	9.098	172	1534515	91.126	ng	0.00
79) Terphenyl-d14	12.863	244	1278247	85.293	ng	0.00
Target Compounds						
						Qvalue
19) n-Nitroso-di-n-propyla...	7.310	70	128136	18.529	ng	# 79
25) Isophorone	7.310	82	969973	53.646	ng	# 65
51) 2,6-Dinitrotoluene	9.775	165	32415	8.614	ng	# 17
57) 2,4-Dinitrotoluene	9.775	165	32415	6.881	ng	# 18
67) 4-Bromophenyl-phenylether	10.575	248	19299	4.369	ng	# 1
77) Benzidine	12.863	184	16564	3.480	ng	# 95

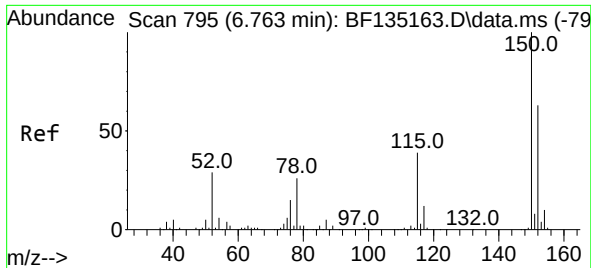
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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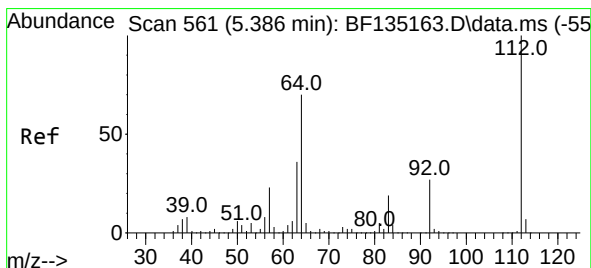
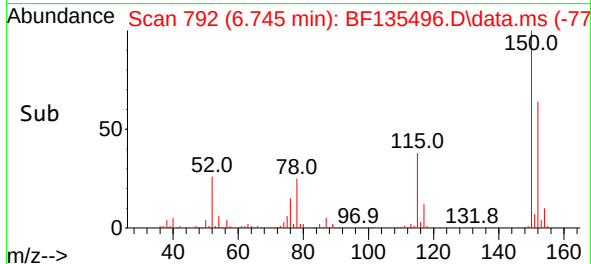
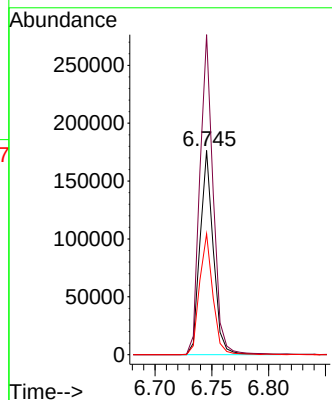
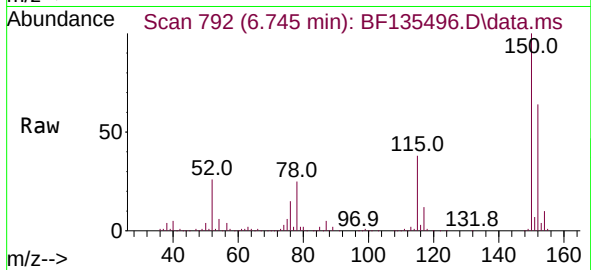




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.745 min Scan# 795
Delta R.T. -0.001 min
Lab File: BF135496.D
Acq: 28 Sep 2023 16:35

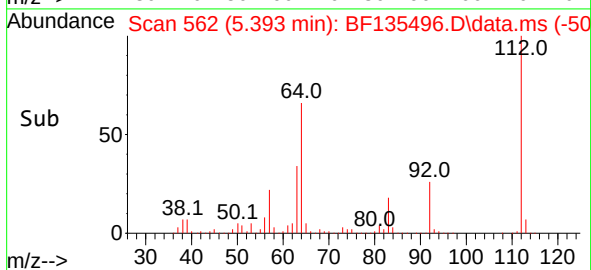
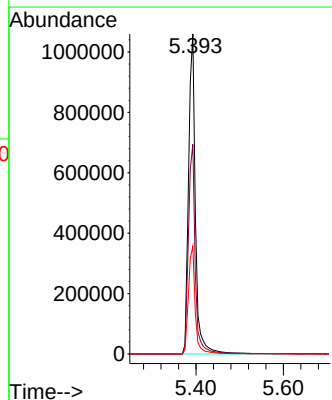
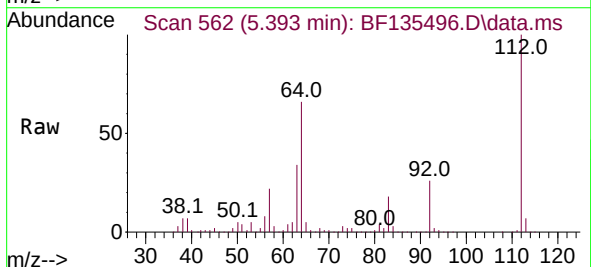
Instrument :
BNA_F
ClientSampleId :
STONE-IN

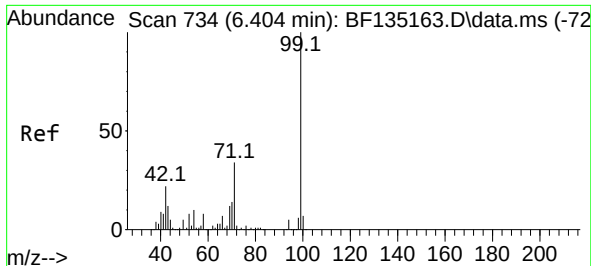
Tgt Ion:152 Resp: 142807
Ion Ratio Lower Upper
152 100
150 156.7 127.8 191.6
115 59.2 49.8 74.8



#5
2-Fluorophenol
Concen: 130.783 ng
RT: 5.393 min Scan# 562
Delta R.T. 0.018 min
Lab File: BF135496.D
Acq: 28 Sep 2023 16:35

Tgt Ion:112 Resp: 1148311
Ion Ratio Lower Upper
112 100
64 65.5 55.9 83.9
63 33.7 29.0 43.6

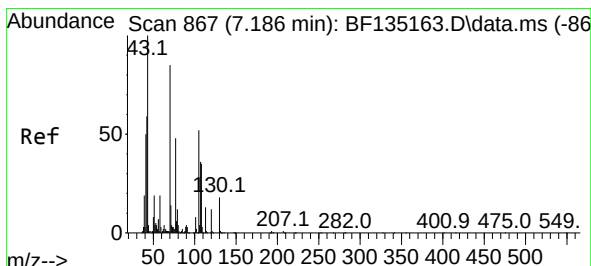
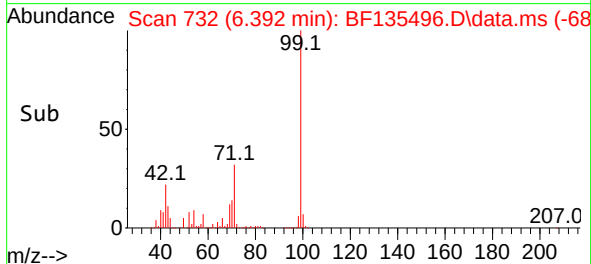
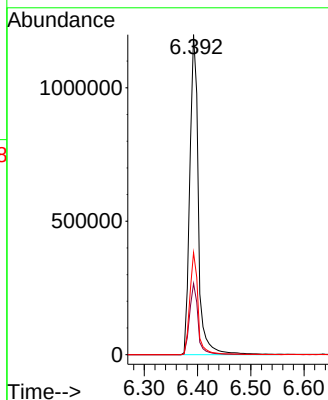
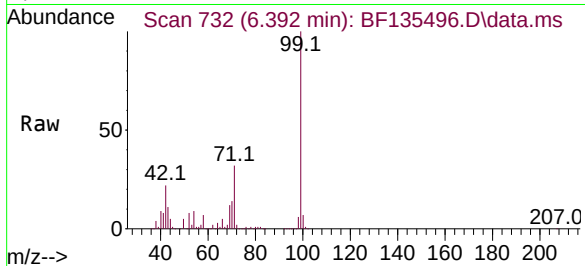




#7
Phenol-d6
Concen: 120.613 ng
RT: 6.392 min Scan# 71
Delta R.T. -0.006 min
Lab File: BF135496.D
Acq: 28 Sep 2023 16:35

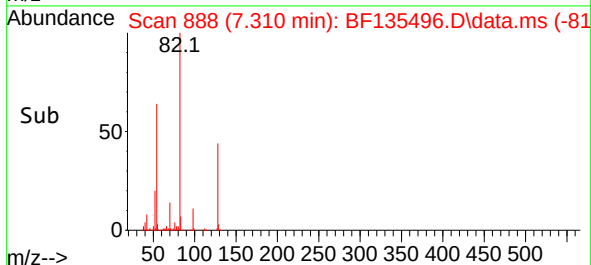
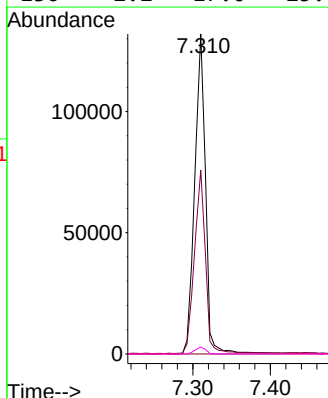
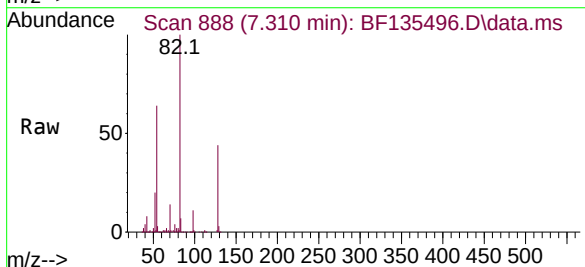
Instrument :
BNA_F
ClientSampleId :
STONE-IN

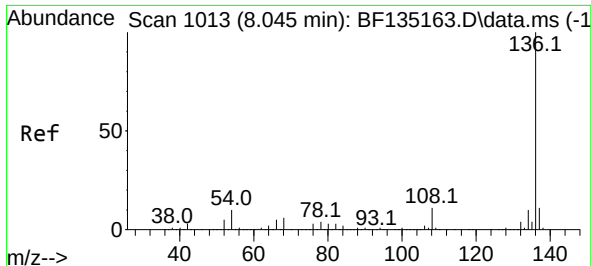
Tgt Ion: 99 Resp: 1346602
Ion Ratio Lower Upper
99 100
42 22.3 17.9 26.9
71 31.9 27.0 40.6



#19
n-Nitroso-di-n-propylamine
Concen: 18.529 ng
RT: 7.310 min Scan# 888
Delta R.T. 0.147 min
Lab File: BF135496.D
Acq: 28 Sep 2023 16:35

Tgt Ion: 70 Resp: 128136
Ion Ratio Lower Upper
70 100
42 57.5 55.4 83.0
101 0.0 7.7 11.5#
130 2.2 17.0 25.6#

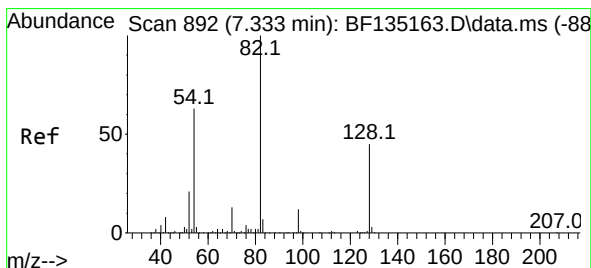
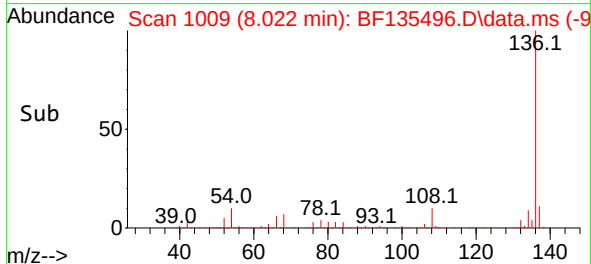
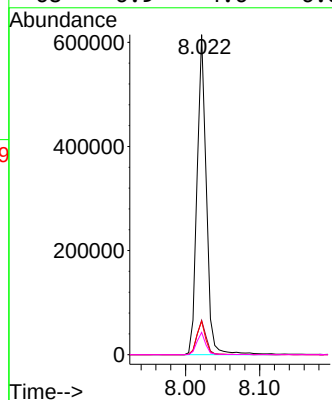
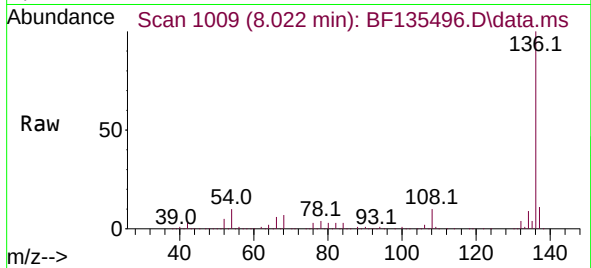




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.022 min Scan# 1009
Delta R.T. -0.006 min
Lab File: BF135496.D
Acq: 28 Sep 2023 16:35

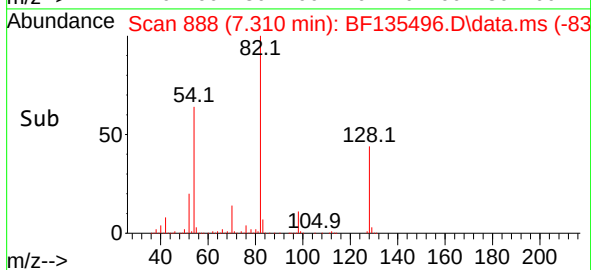
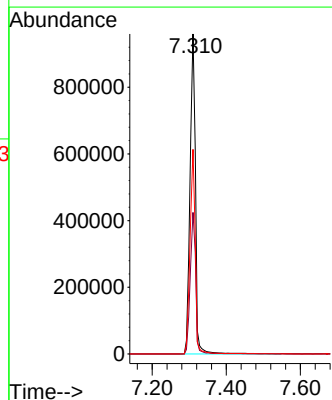
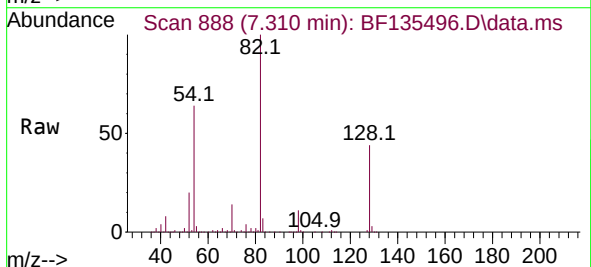
Instrument :
BNA_F
ClientSampleId :
STONE-IN

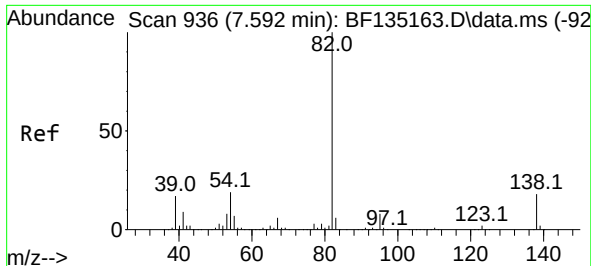
Tgt Ion:136 Resp: 534961
Ion Ratio Lower Upper
136 100
137 10.8 8.8 13.2
54 10.5 7.7 11.5
68 6.9 4.6 6.8#



#23
Nitrobenzene-d5
Concen: 98.509 ng
RT: 7.310 min Scan# 888
Delta R.T. -0.006 min
Lab File: BF135496.D
Acq: 28 Sep 2023 16:35

Tgt Ion: 82 Resp: 969979
Ion Ratio Lower Upper
82 100
128 44.3 35.8 53.6
54 64.0 50.6 76.0

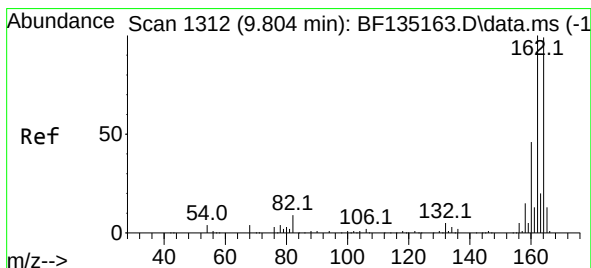
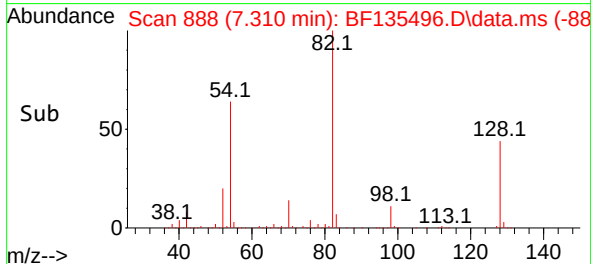
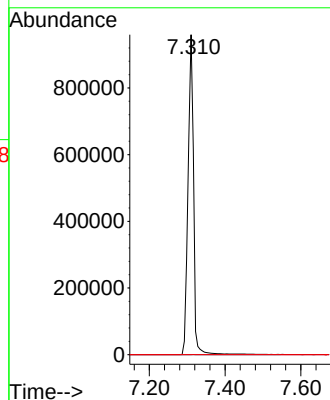
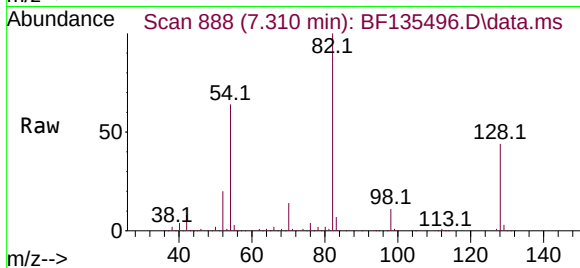




#25
Isophorone
Concen: 53.646 ng
RT: 7.310 min Scan# 81
Delta R.T. -0.259 min
Lab File: BF135496.D
Acq: 28 Sep 2023 16:35

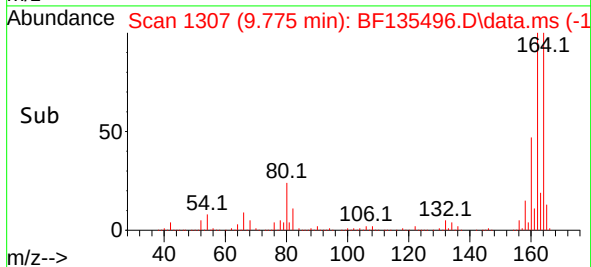
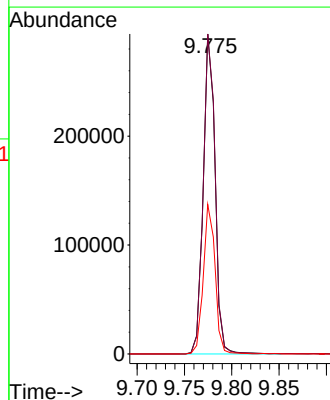
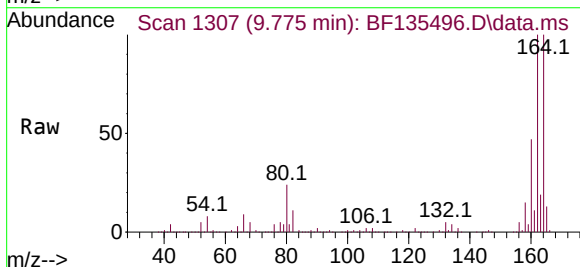
Instrument :
BNA_F
ClientSampleId :
STONE-IN

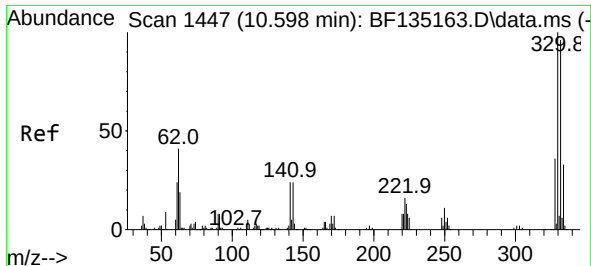
Tgt Ion: 82 Resp: 969973
Ion Ratio Lower Upper
82 100
95 0.0 6.0 9.0#
138 0.0 14.5 21.7#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.775 min Scan# 1307
Delta R.T. -0.006 min
Lab File: BF135496.D
Acq: 28 Sep 2023 16:35

Tgt Ion: 164 Resp: 254062
Ion Ratio Lower Upper
164 100
162 99.9 81.0 121.4
160 46.8 37.0 55.4





#42

2,4,6-Tribromophenol

Concen: 117.636 ng

RT: 10.575 min Scan# 1443

Delta R.T. -0.000 min

Lab File: BF135496.D

Acq: 28 Sep 2023 16:35

Instrument :

BNA_F

ClientSampleId :

STONE-IN

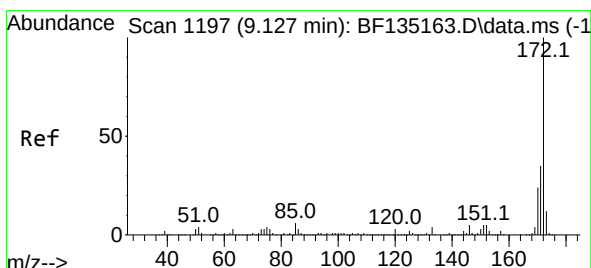
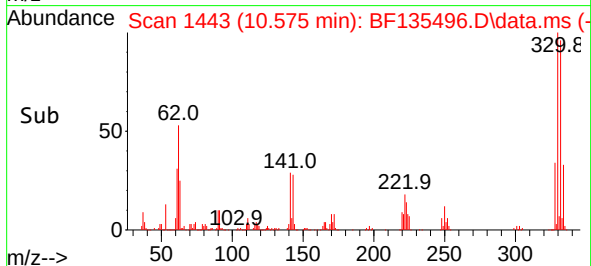
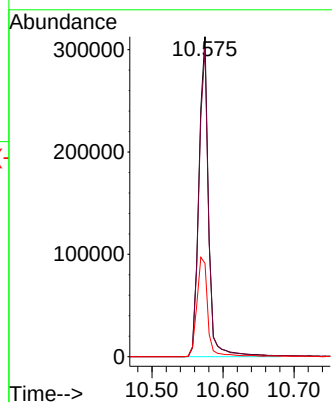
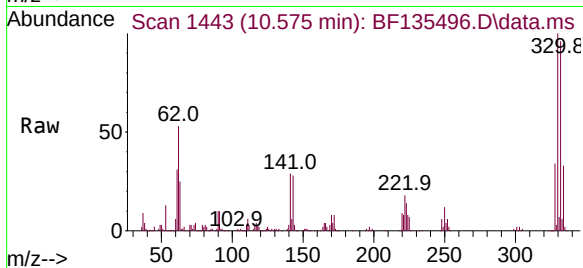
Tgt Ion:330 Resp: 297003

Ion Ratio Lower Upper

330 100

332 96.5 77.3 115.9

141 34.9 25.8 38.8



#45

2-Fluorobiphenyl

Concen: 91.126 ng

RT: 9.098 min Scan# 1192

Delta R.T. -0.006 min

Lab File: BF135496.D

Acq: 28 Sep 2023 16:35

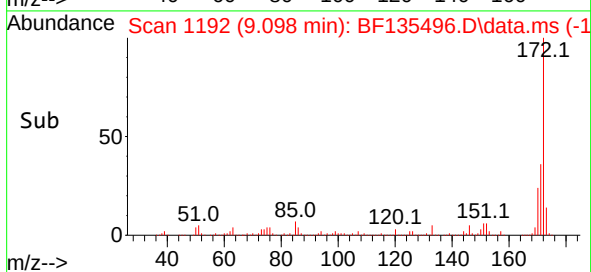
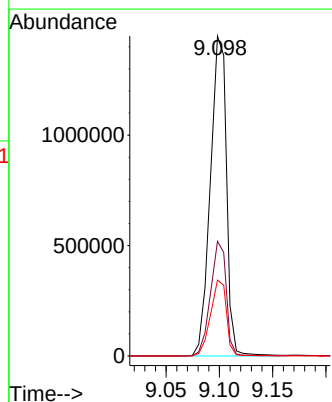
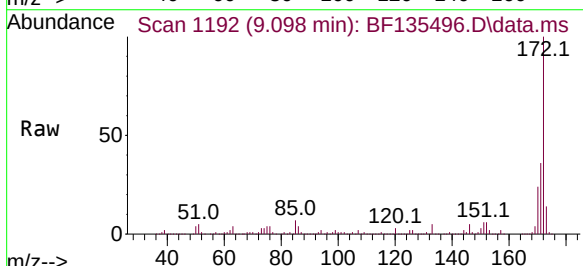
Tgt Ion:172 Resp: 1534515

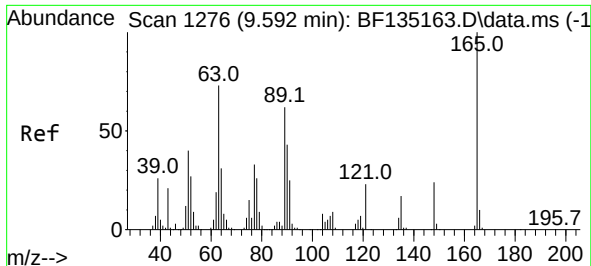
Ion Ratio Lower Upper

172 100

171 35.8 28.4 42.6

170 23.7 19.0 28.4

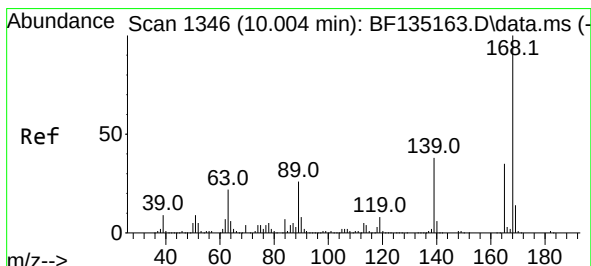
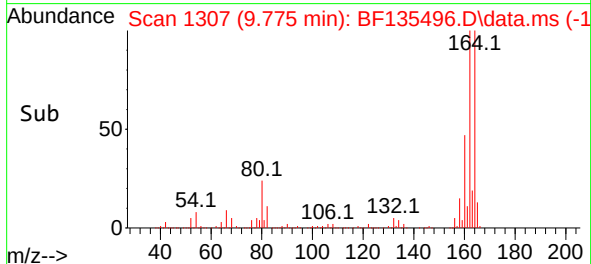
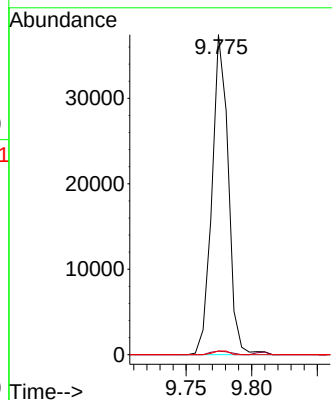
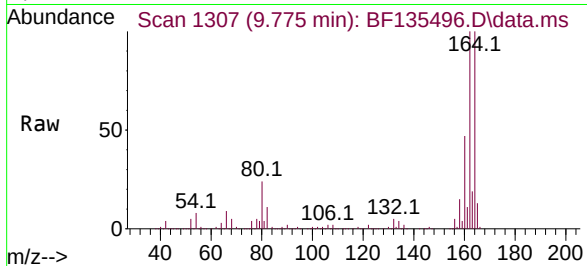




#51
2,6-Dinitrotoluene
Concen: 8.614 ng
RT: 9.775 min Scan# 11
Delta R.T. 0.194 min
Lab File: BF135496.D
Acq: 28 Sep 2023 16:35

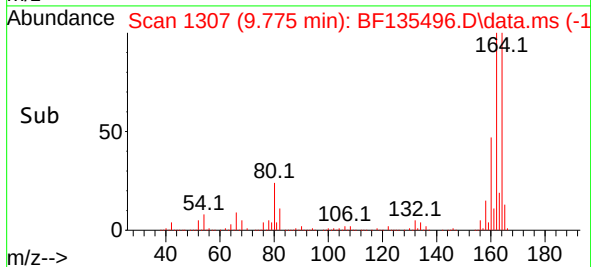
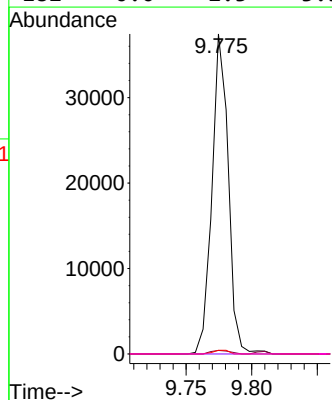
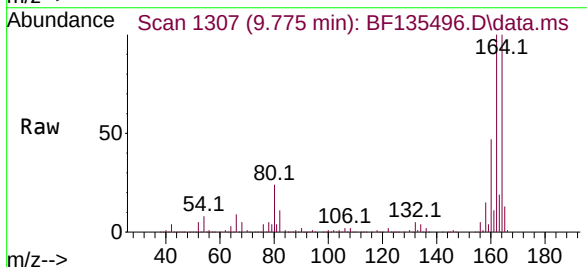
Instrument :
BNA_F
ClientSampleId :
STONE-IN

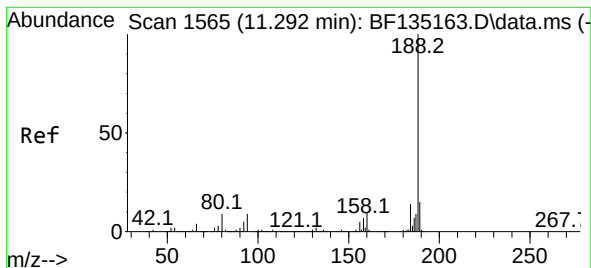
Tgt Ion:165 Resp: 32415
Ion Ratio Lower Upper
165 100
63 1.1 59.4 89.2#
89 1.1 49.8 74.8#



#57
2,4-Dinitrotoluene
Concen: 6.881 ng
RT: 9.775 min Scan# 1307
Delta R.T. -0.212 min
Lab File: BF135496.D
Acq: 28 Sep 2023 16:35

Tgt Ion:165 Resp: 32415
Ion Ratio Lower Upper
165 100
63 1.1 50.1 75.1#
89 1.1 59.3 88.9#
182 0.0 2.3 3.5#





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.269 min Scan# 11

Delta R.T. -0.006 min

Lab File: BF135496.D

Acq: 28 Sep 2023 16:35

Instrument :

BNA_F

ClientSampleId :

STONE-IN

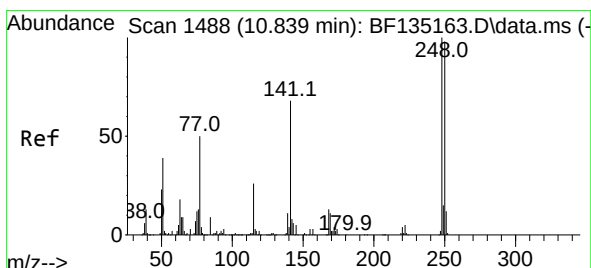
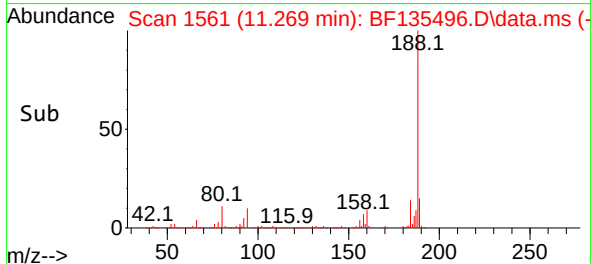
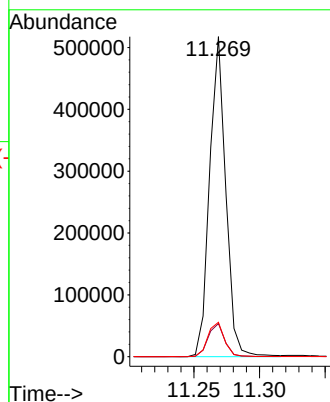
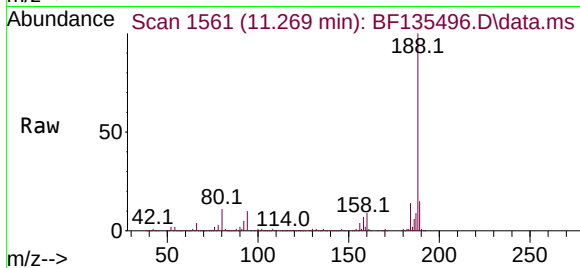
Tgt Ion:188 Resp: 444173

Ion Ratio Lower Upper

188 100

94 10.4 7.0 10.6

80 10.8 7.5 11.3



#67

4-Bromophenyl-phenylether

Concen: 4.369 ng

RT: 10.575 min Scan# 1443

Delta R.T. -0.241 min

Lab File: BF135496.D

Acq: 28 Sep 2023 16:35

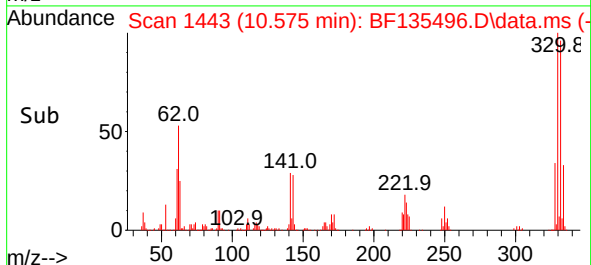
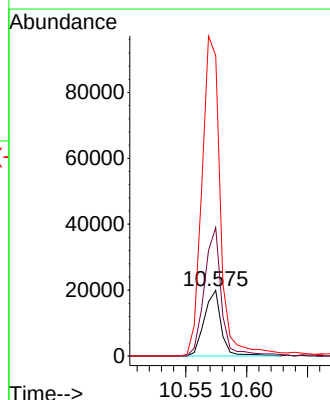
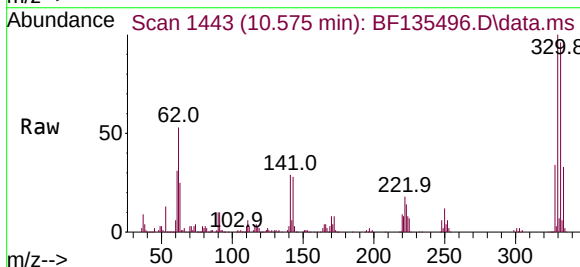
Tgt Ion:248 Resp: 19299

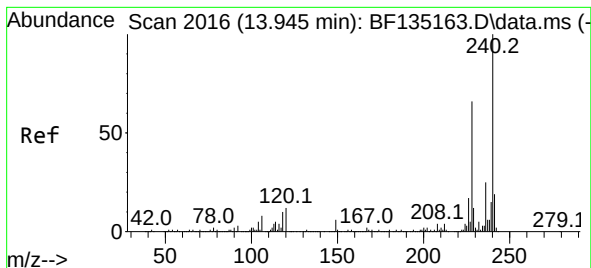
Ion Ratio Lower Upper

248 100

250 196.1 78.6 117.8#

141 459.2 54.2 81.2#





#76

Chrysene-d12

Concen: 20.000 ng

RT: 13.921 min Scan# 2016

Delta R.T. -0.006 min

Lab File: BF135496.D

Acq: 28 Sep 2023 16:35

Instrument :

BNA_F

ClientSampleId :

STONE-IN

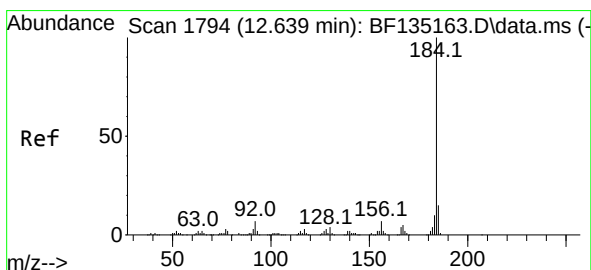
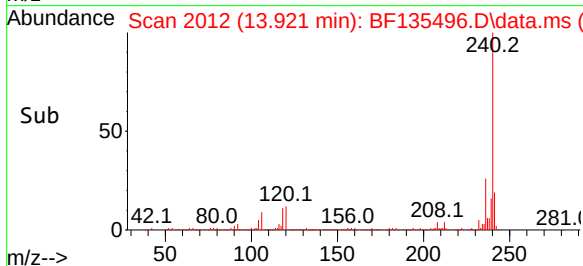
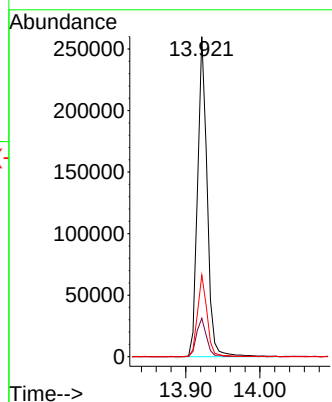
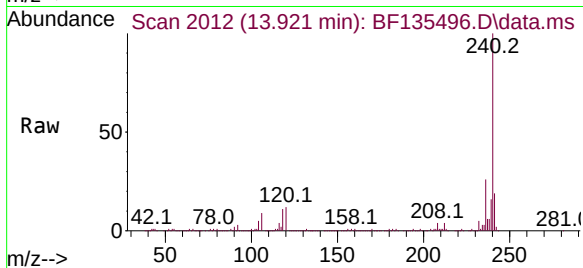
Tgt Ion:240 Resp: 232321

Ion Ratio Lower Upper

240 100

120 12.0 9.4 14.2

236 25.5 19.8 29.8



#77

Benzidine

Concen: 3.480 ng

RT: 12.863 min Scan# 1832

Delta R.T. 0.247 min

Lab File: BF135496.D

Acq: 28 Sep 2023 16:35

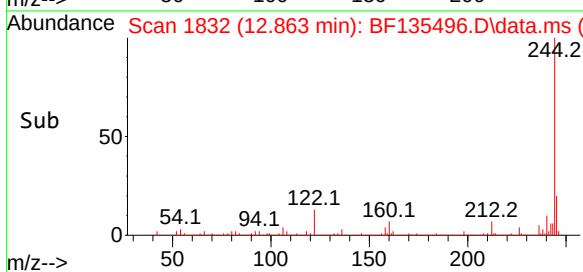
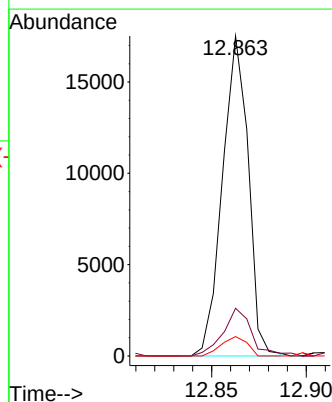
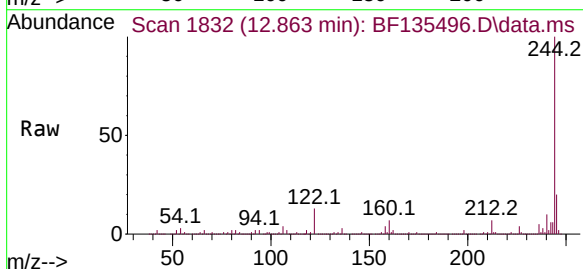
Tgt Ion:184 Resp: 16564

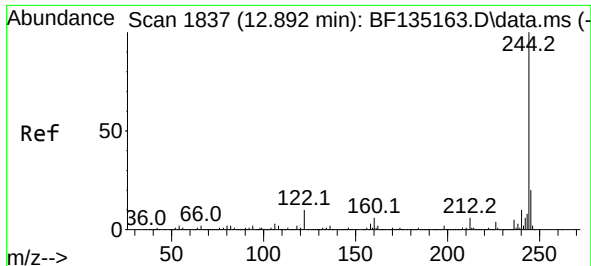
Ion Ratio Lower Upper

184 100

185 14.9 11.7 17.5

183 6.1 8.2 12.4#

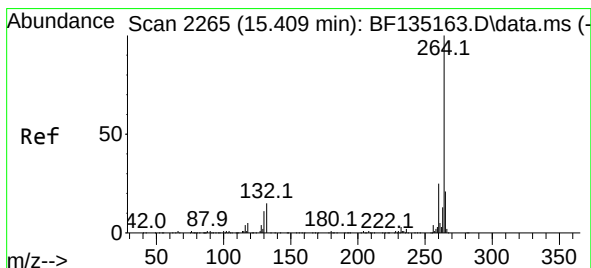
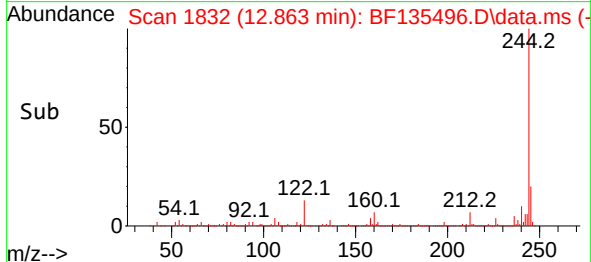
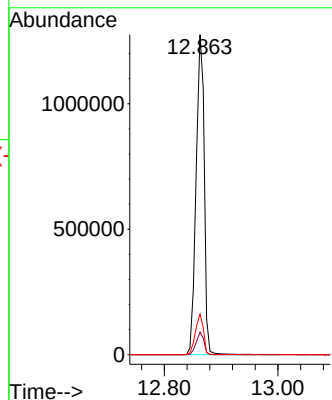
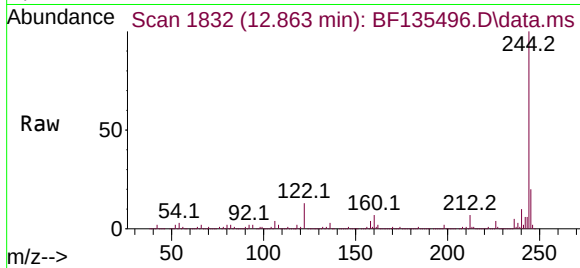




#79
 Terphenyl-d14
 Concen: 85.293 ng
 RT: 12.863 min Scan# 11
 Delta R.T. -0.006 min
 Lab File: BF135496.D
 Acq: 28 Sep 2023 16:35

Instrument :
 BNA_F
 ClientSampleId :
 STONE-IN

Tgt Ion:244 Resp: 1278247
 Ion Ratio Lower Upper
 244 100
 212 7.0 5.1 7.7
 122 12.7 7.9 11.9#



#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.380 min Scan# 2260
 Delta R.T. -0.000 min
 Lab File: BF135496.D
 Acq: 28 Sep 2023 16:35

Tgt Ion:264 Resp: 280168
 Ion Ratio Lower Upper
 264 100
 260 23.7 19.8 29.6
 265 22.2 17.0 25.4

