

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF120522\
 Data File : BF131512.D
 Acq On : 05 Dec 2022 21:22
 Operator : CG\JU
 Sample : PB149409BL
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 PB149409BL

Quant Time: Dec 06 02:15:01 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF120522.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Dec 06 01:30:30 2022
 Response via : Initial Calibration

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

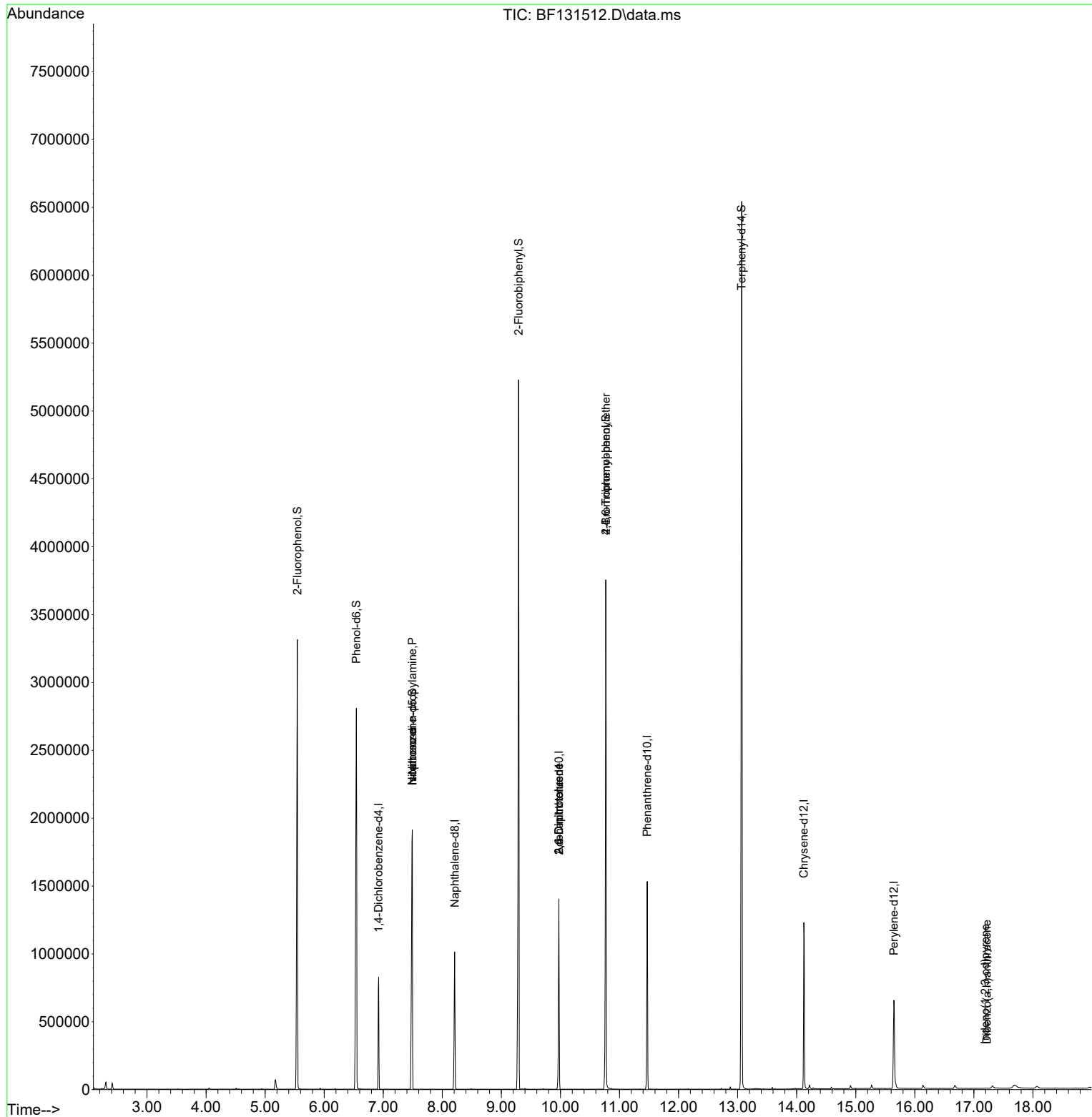
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.922	152	124208	20.000	ng	0.00
21) Naphthalene-d8	8.210	136	457052	20.000	ng	0.00
39) Acenaphthene-d10	9.975	164	276656	20.000	ng	0.00
64) Phenanthrene-d10	11.469	188	564694	20.000	ng	0.00
76) Chrysene-d12	14.121	240	466167	20.000	ng	0.00
86) Perylene-d12	15.645	264	348528	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.545	112	1021703	140.470	ng	0.02
7) Phenol-d6	6.545	99	1240662	136.595	ng	0.00
23) Nitrobenzene-d5	7.492	82	785598	78.888	ng	0.00
42) 2,4,6-Tribromophenol	10.769	330	515291	163.579	ng	0.00
45) 2-Fluorobiphenyl	9.292	172	1765128	83.699	ng	0.00
79) Terphenyl-d14	13.068	244	2575988	83.450	ng	0.00
Target Compounds					Qvalue	
19) n-Nitroso-di-n-propyla...	7.492	70	109848	17.870	ng	# 75
25) Isophorone	7.492	82	784853	50.666	ng	# 67
51) 2,6-Dinitrotoluene	9.975	165	35804	8.380	ng	# 20
57) 2,4-Dinitrotoluene	9.975	165	35804	6.387	ng	# 15
67) 4-Bromophenyl-phenylether	10.769	248	31866	4.510	ng	# 1
77) Benzidine	13.068	184	34447	Below Cal		# 91
85) Di-n-octyl phthalate	14.715	149	236	Below Cal		# 78
87) Indeno(1,2,3-cd)pyrene	17.192	276	375	3.036	ng	# 55
91) Dibenzo(a,h)anthracene	17.221	278	181	3.493	ng	# 58

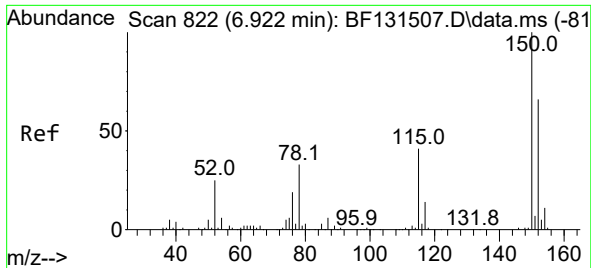
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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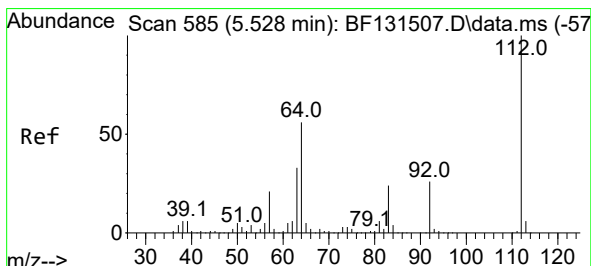
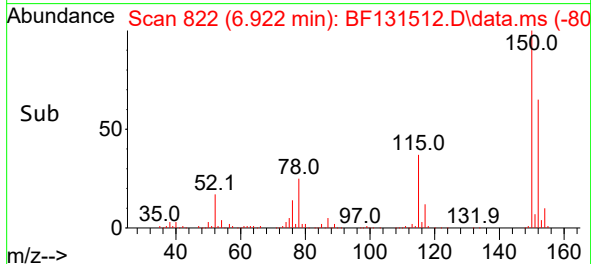
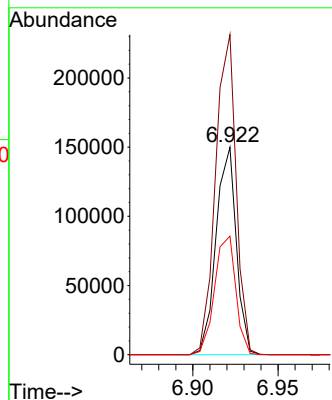
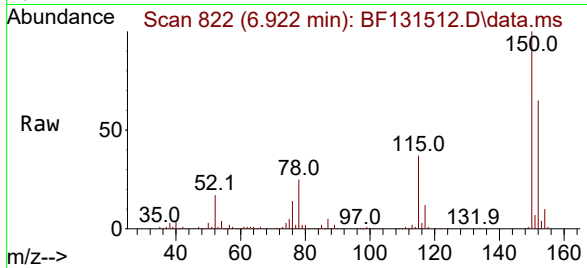




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.922 min Scan# 81
Delta R.T. -0.000 min
Lab File: BF131512.D
Acq: 05 Dec 2022 21:22

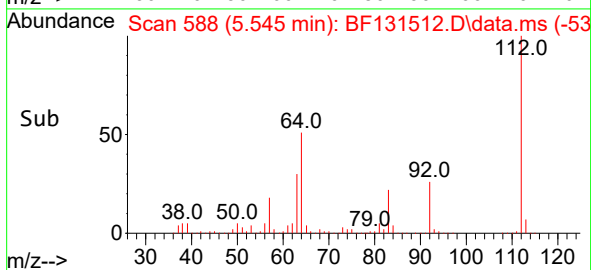
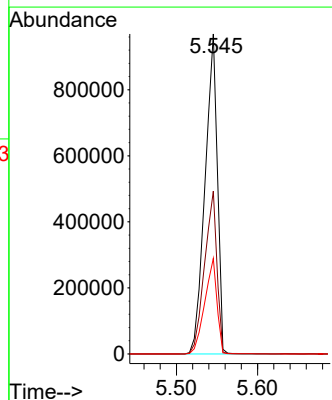
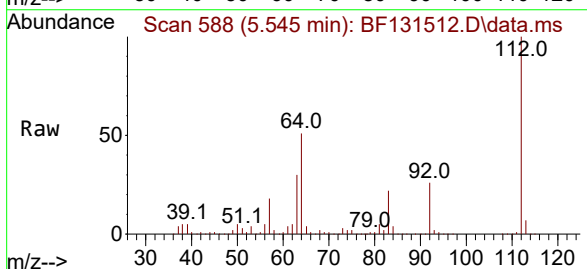
Instrument :
BNA_F
ClientSampleId :
PB149409BL

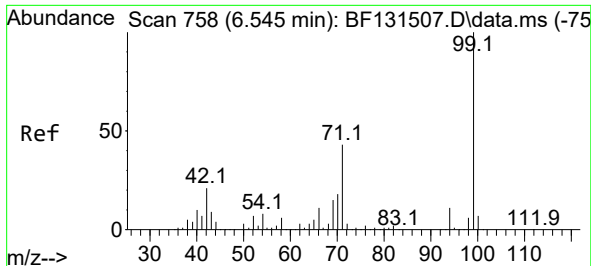
Tgt Ion:152 Resp: 124208
Ion Ratio Lower Upper
152 100
150 154.3 121.9 182.9
115 57.2 50.4 75.6



#5
2-Fluorophenol
Concen: 140.470 ng
RT: 5.545 min Scan# 588
Delta R.T. 0.018 min
Lab File: BF131512.D
Acq: 05 Dec 2022 21:22

Tgt Ion:112 Resp: 1021703
Ion Ratio Lower Upper
112 100
64 50.9 44.5 66.7
63 29.9 26.7 40.1

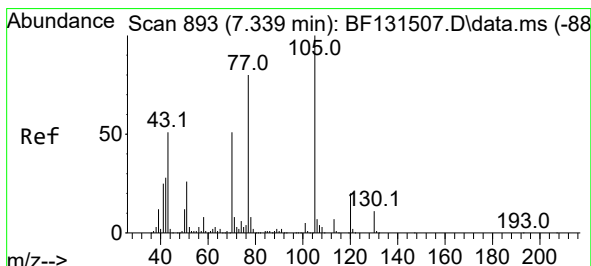
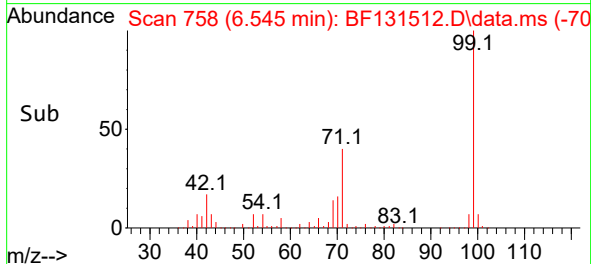
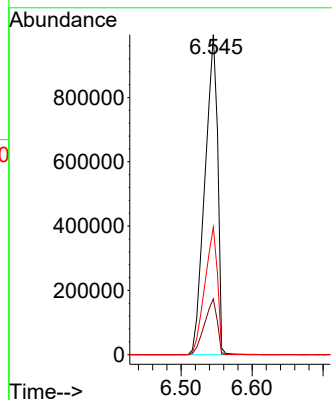
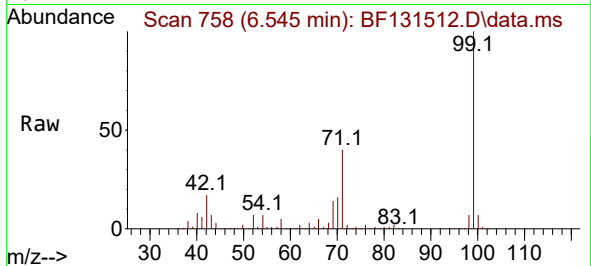




#7
Phenol-d6
Concen: 136.595 ng
RT: 6.545 min Scan# 71
Delta R.T. 0.000 min
Lab File: BF131512.D
Acq: 05 Dec 2022 21:22

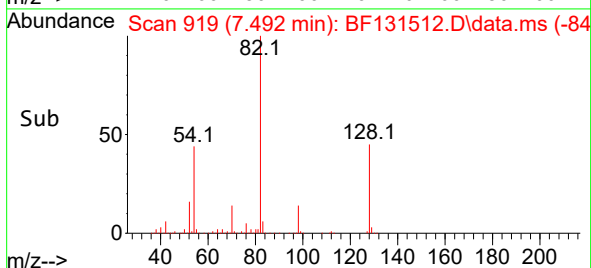
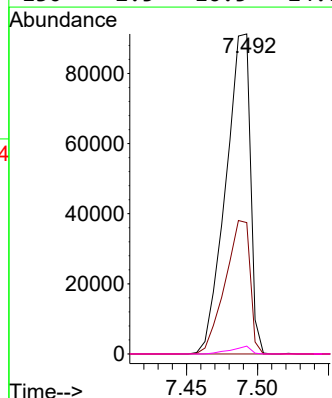
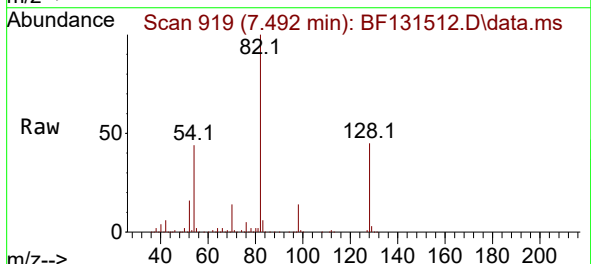
Instrument :
BNA_F
ClientSampleId :
PB149409BL

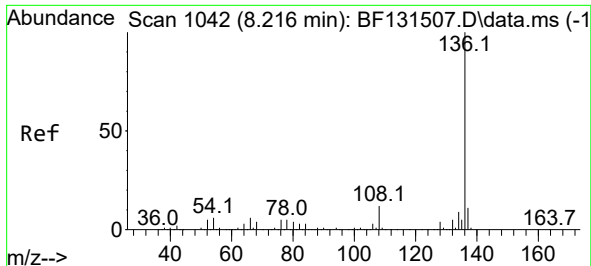
Tgt Ion: 99 Resp: 1240662
Ion Ratio Lower Upper
99 100
42 17.5 16.6 25.0
71 39.9 34.4 51.6



#19
n-Nitroso-di-n-propylamine
Concen: 17.870 ng
RT: 7.492 min Scan# 919
Delta R.T. 0.153 min
Lab File: BF131512.D
Acq: 05 Dec 2022 21:22

Tgt Ion: 70 Resp: 109848
Ion Ratio Lower Upper
70 100
42 41.1 44.1 66.1#
101 0.0 7.7 11.5#
130 2.5 16.5 24.7#

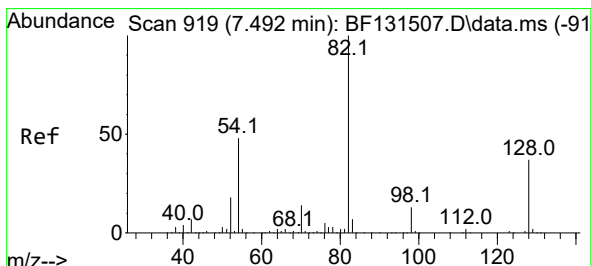
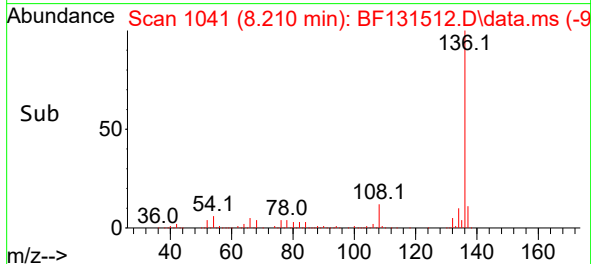
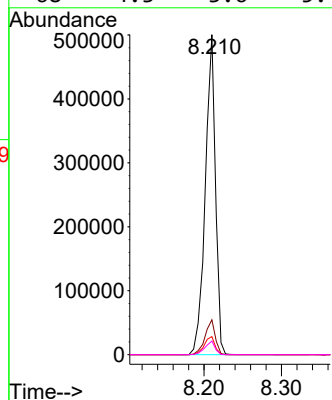
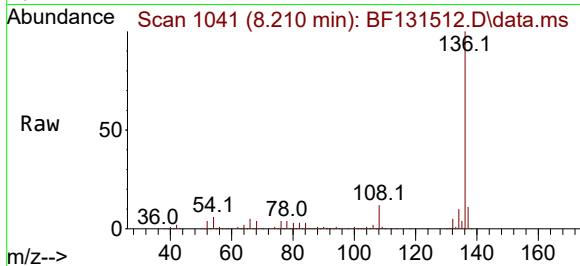




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.210 min Scan# 1041
Delta R.T. -0.006 min
Lab File: BF131512.D
Acq: 05 Dec 2022 21:22

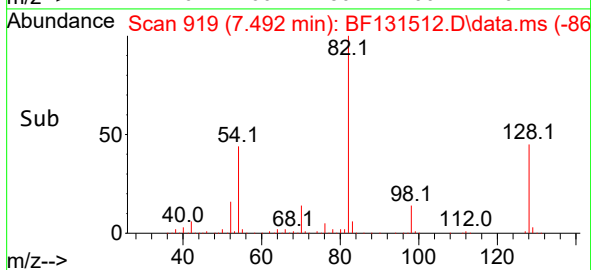
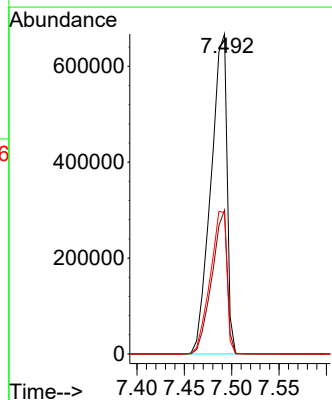
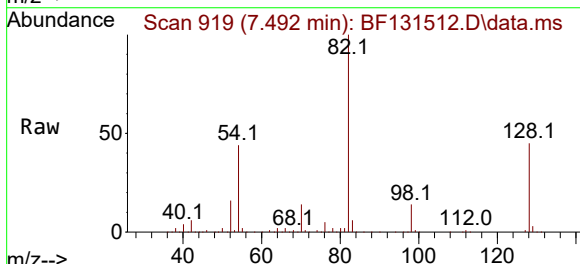
Instrument :
BNA_F
ClientSampleId :
PB149409BL

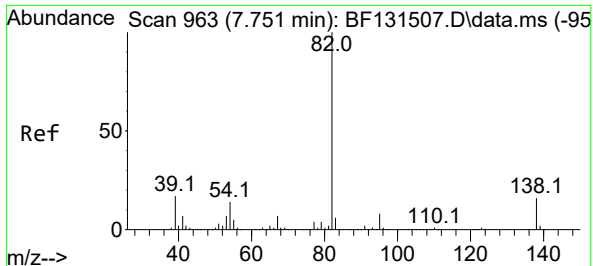
Tgt Ion:136 Resp: 457052
Ion Ratio Lower Upper
136 100
137 10.9 8.8 13.2
54 5.7 5.0 7.6
68 4.3 3.6 5.4



#23
Nitrobenzene-d5
Concen: 78.888 ng
RT: 7.492 min Scan# 919
Delta R.T. 0.000 min
Lab File: BF131512.D
Acq: 05 Dec 2022 21:22

Tgt Ion: 82 Resp: 785598
Ion Ratio Lower Upper
82 100
128 44.9 29.7 44.5#
54 44.2 38.7 58.1

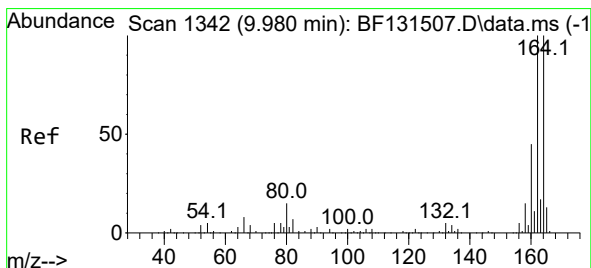
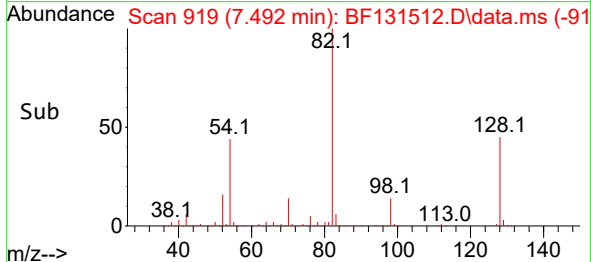
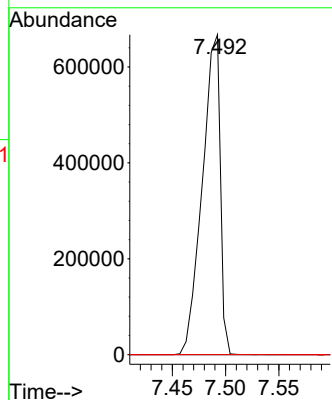
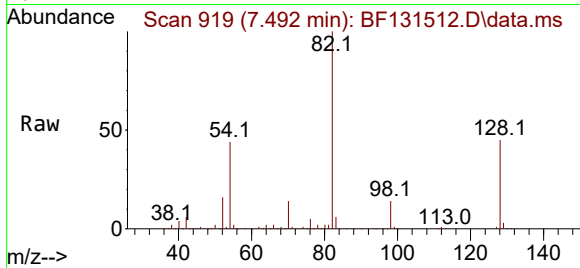




#25
Isophorone
Concen: 50.666 ng
RT: 7.492 min Scan# 91
Delta R.T. -0.259 min
Lab File: BF131512.D
Acq: 05 Dec 2022 21:22

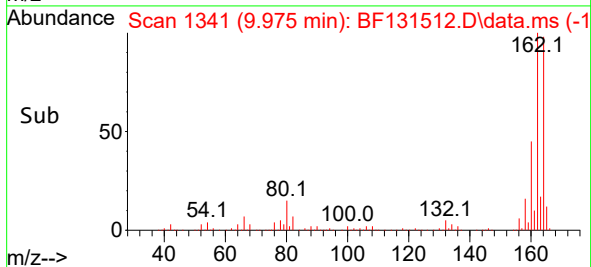
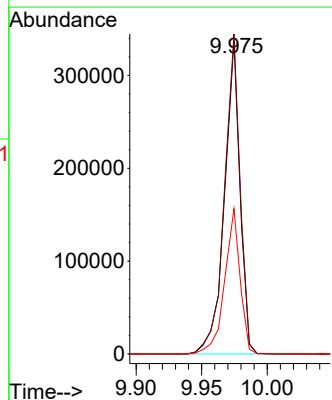
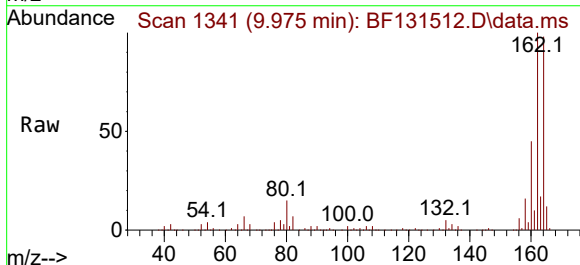
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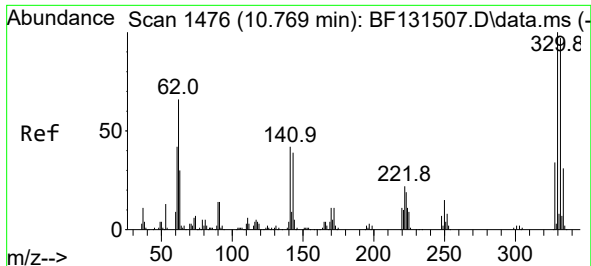
Tgt Ion: 82 Resp: 784853
Ion Ratio Lower Upper
82 100
95 0.0 6.6 9.8#
138 0.0 12.7 19.1#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.975 min Scan# 1341
Delta R.T. -0.005 min
Lab File: BF131512.D
Acq: 05 Dec 2022 21:22

Tgt Ion: 164 Resp: 276656
Ion Ratio Lower Upper
164 100
162 102.1 80.1 120.1
160 46.4 36.4 54.6





#42

2,4,6-Tribromophenol

Concen: 163.579 ng

RT: 10.769 min Scan# 1476

Delta R.T. -0.000 min

Lab File: BF131512.D

Acq: 05 Dec 2022 21:22

Instrument :

BNA_F

ClientSampleId :

PB149409BL

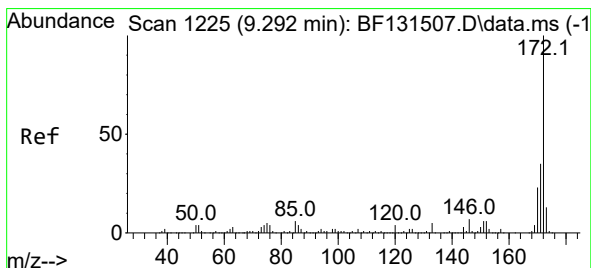
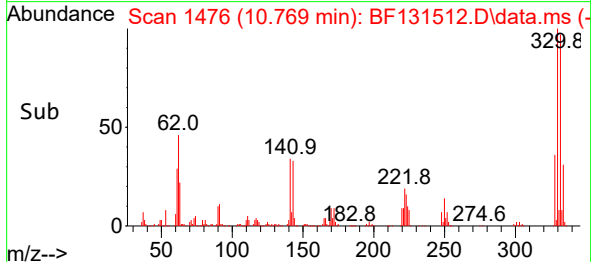
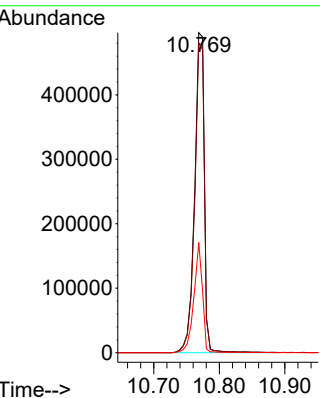
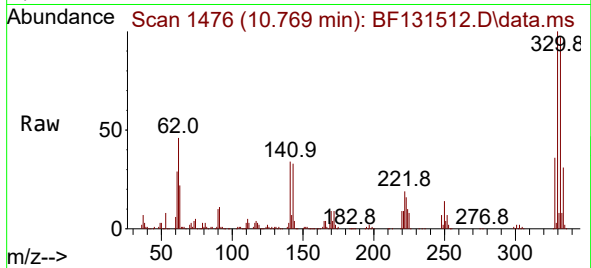
Tgt Ion:330 Resp: 515291

Ion Ratio Lower Upper

330 100

332 96.1 78.2 117.2

141 30.4 29.1 43.7



#45

2-Fluorobiphenyl

Concen: 83.699 ng

RT: 9.292 min Scan# 1225

Delta R.T. 0.000 min

Lab File: BF131512.D

Acq: 05 Dec 2022 21:22

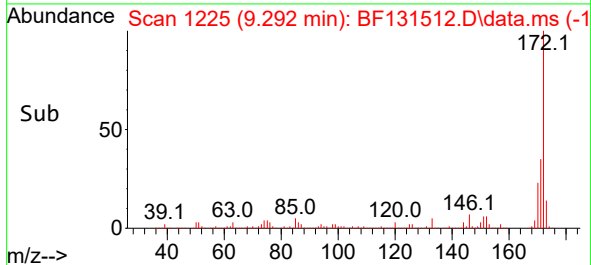
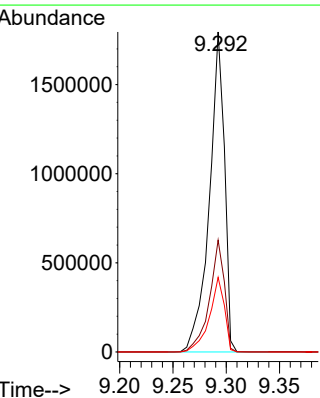
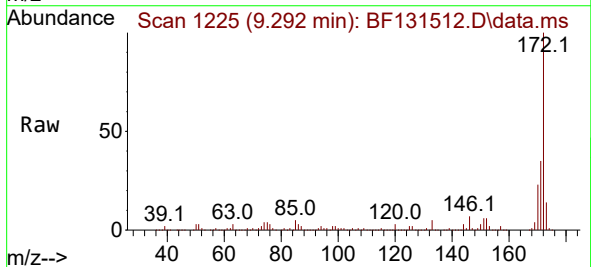
Tgt Ion:172 Resp: 1765128

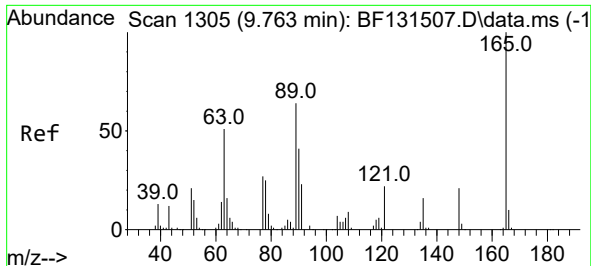
Ion Ratio Lower Upper

172 100

171 35.0 27.8 41.8

170 23.3 18.7 28.1

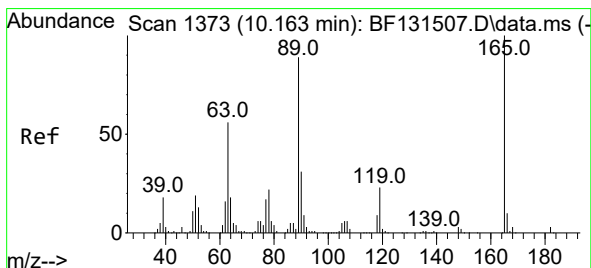
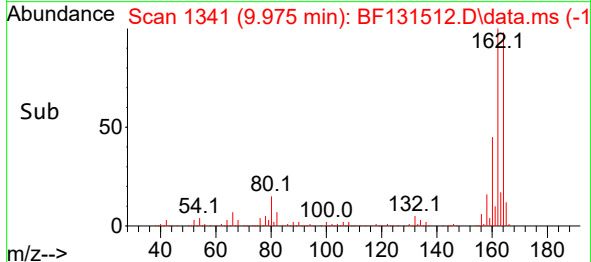
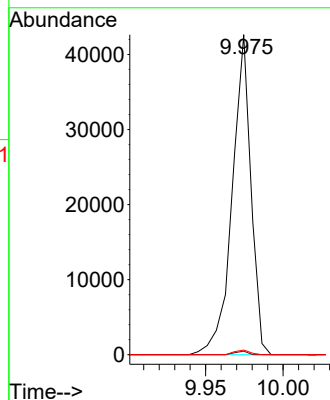
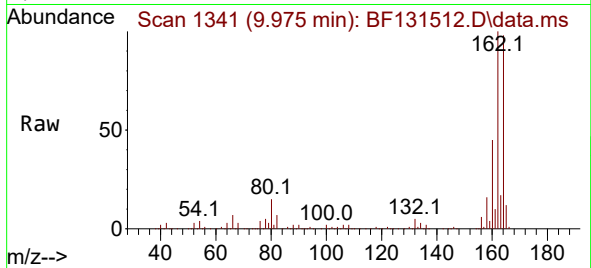




#51
2,6-Dinitrotoluene
Concen: 8.380 ng
RT: 9.975 min Scan# 11
Delta R.T. 0.212 min
Lab File: BF131512.D
Acq: 05 Dec 2022 21:22

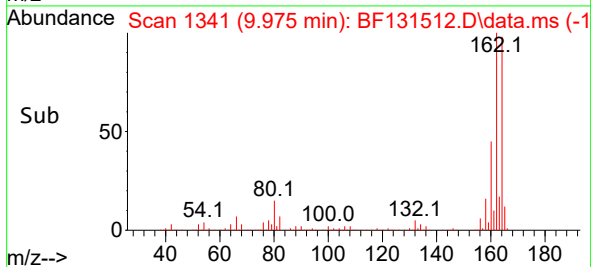
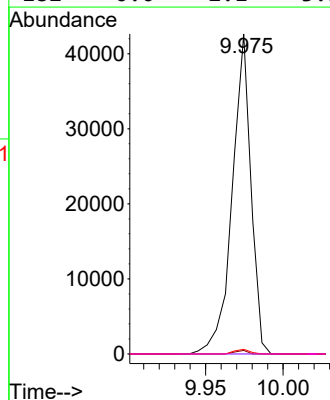
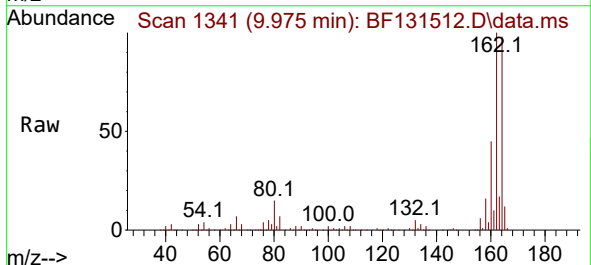
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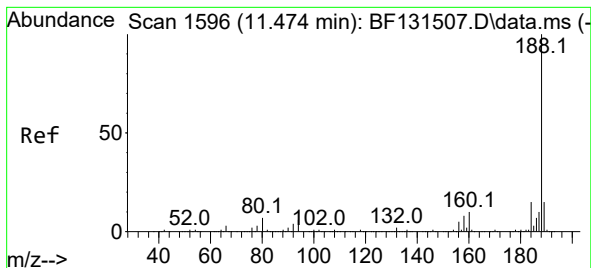
Tgt Ion:165 Resp: 35804
Ion Ratio Lower Upper
165 100
63 1.1 50.1 75.1#
89 1.5 51.3 76.9#



#57
2,4-Dinitrotoluene
Concen: 6.387 ng
RT: 9.975 min Scan# 1341
Delta R.T. -0.188 min
Lab File: BF131512.D
Acq: 05 Dec 2022 21:22

Tgt Ion:165 Resp: 35804
Ion Ratio Lower Upper
165 100
63 1.1 45.3 67.9#
89 1.5 71.0 106.4#
182 0.0 2.1 3.1#





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.469 min Scan# 1

Delta R.T. -0.006 min

Lab File: BF131512.D

Acq: 05 Dec 2022 21:22

Instrument :

BNA_F

ClientSampleId :

PB149409BL

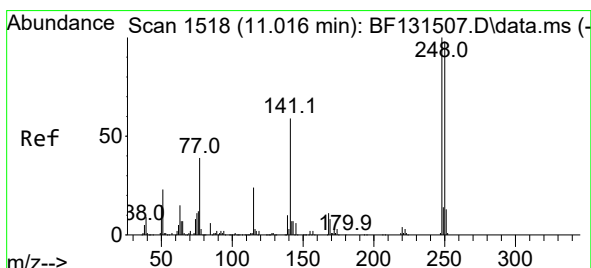
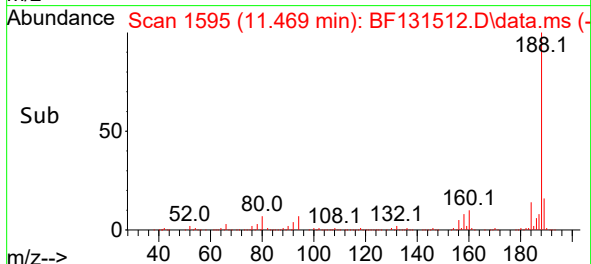
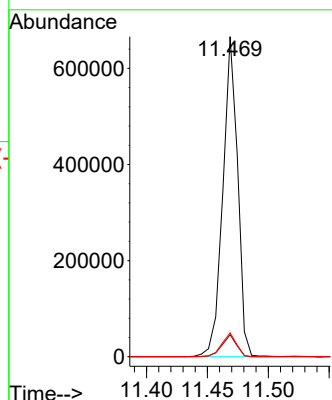
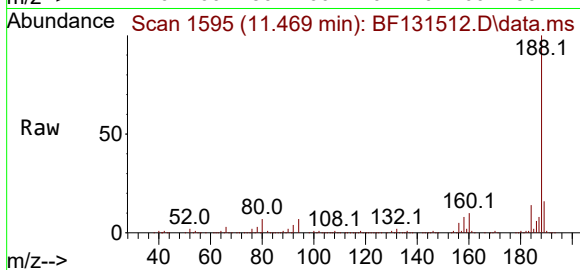
Tgt Ion:188 Resp: 564694

Ion Ratio Lower Upper

188 100

94 6.8 5.1 7.7

80 7.5 5.9 8.9



#67

4-Bromophenyl-phenylether

Concen: 4.510 ng

RT: 10.769 min Scan# 1476

Delta R.T. -0.247 min

Lab File: BF131512.D

Acq: 05 Dec 2022 21:22

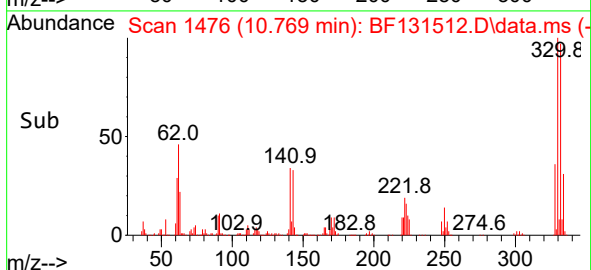
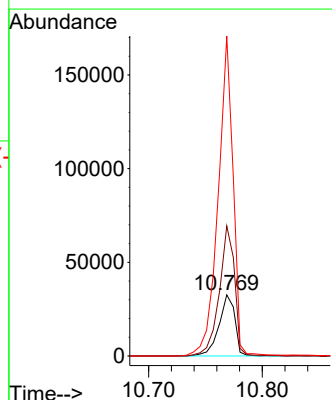
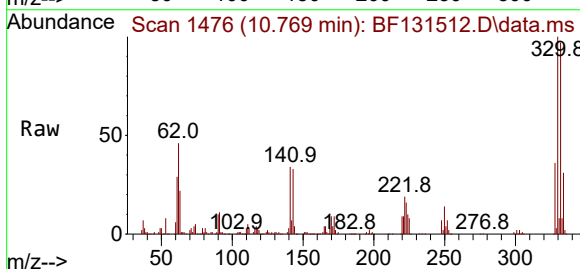
Tgt Ion:248 Resp: 31866

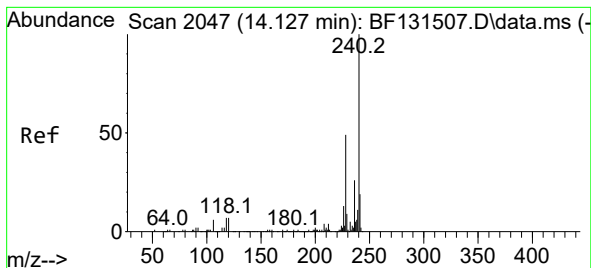
Ion Ratio Lower Upper

248 100

250 212.6 78.6 117.8#

141 522.8 47.1 70.7#





#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.121 min Scan# 2047

Delta R.T. -0.006 min

Lab File: BF131512.D

Acq: 05 Dec 2022 21:22

Instrument :

BNA_F

ClientSampleId :

PB149409BL

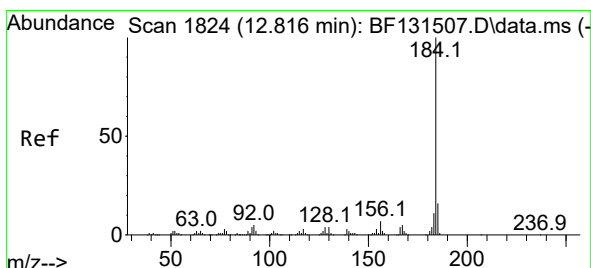
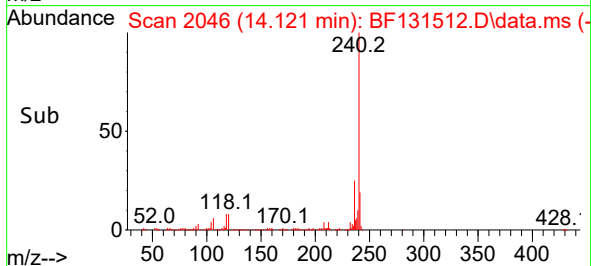
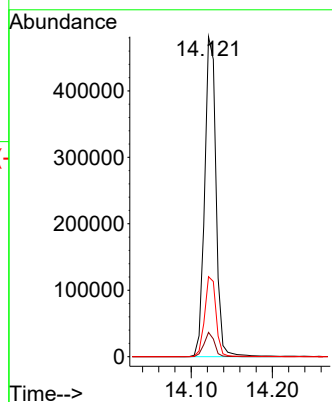
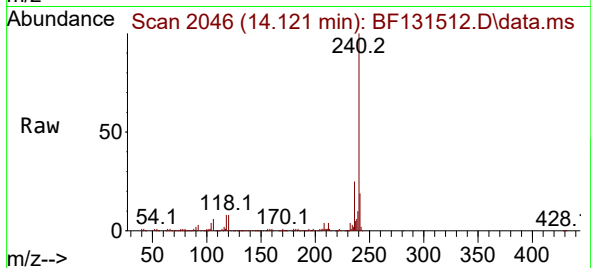
Tgt Ion:240 Resp: 466167

Ion Ratio Lower Upper

240 100

120 7.6 5.6 8.4

236 25.0 20.6 31.0



#77

Benzdine

Concen: Below Cal

RT: 13.068 min Scan# 1867

Delta R.T. 0.252 min

Lab File: BF131512.D

Acq: 05 Dec 2022 21:22

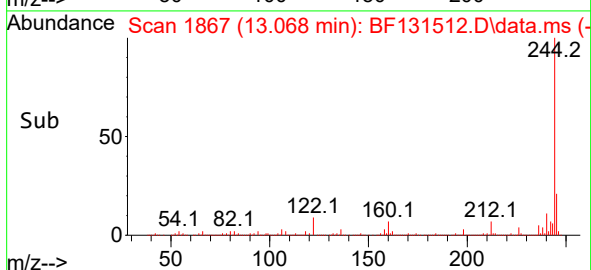
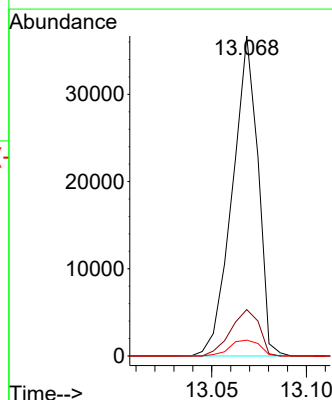
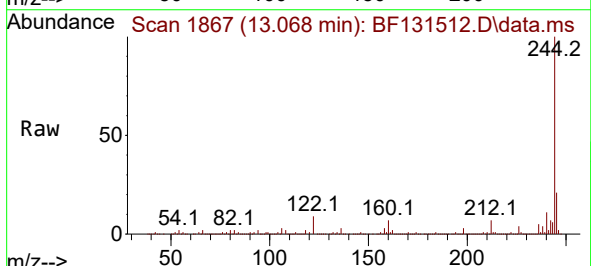
Tgt Ion:184 Resp: 34447

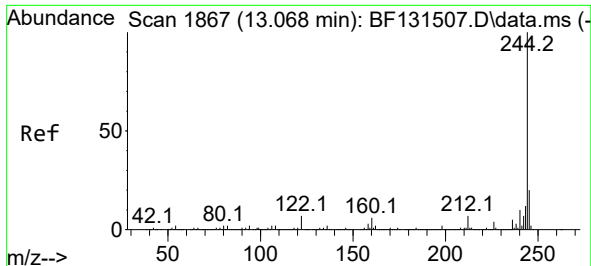
Ion Ratio Lower Upper

184 100

185 14.5 12.6 19.0

183 5.0 9.0 13.4#

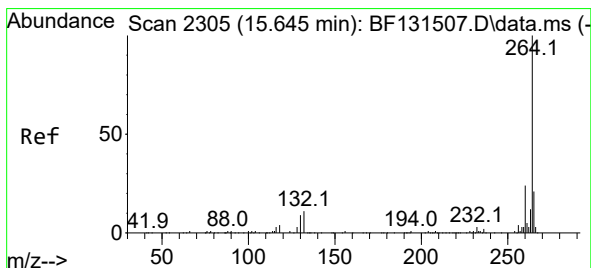
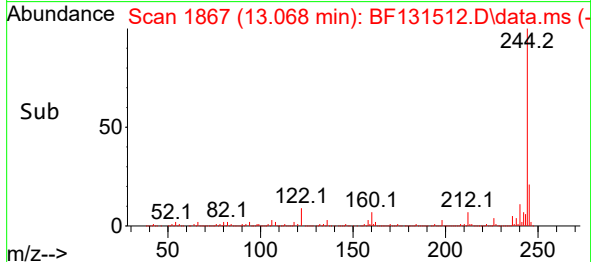
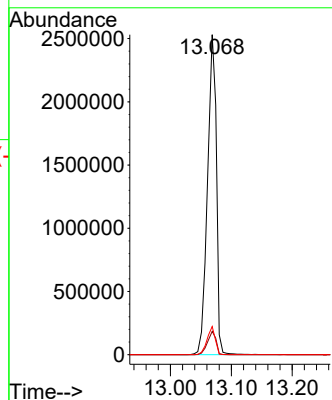
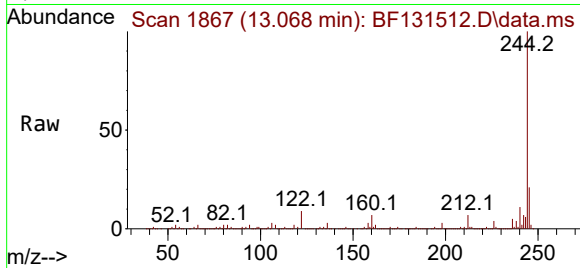




#79
 Terphenyl-d14
 Concen: 83.450 ng
 RT: 13.068 min Scan# 1867
 Delta R.T. 0.000 min
 Lab File: BF131512.D
 Acq: 05 Dec 2022 21:22

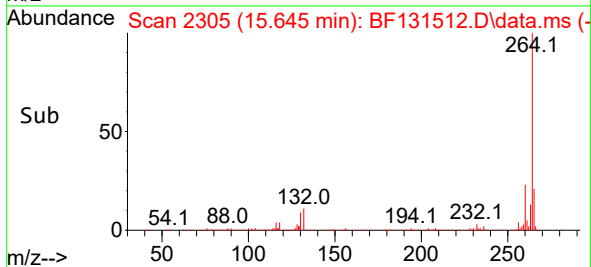
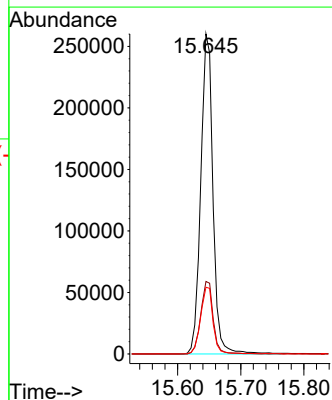
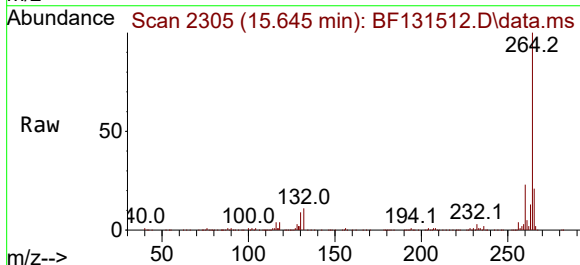
Instrument :
 BNA_F
 ClientSampleId :
 PB149409BL

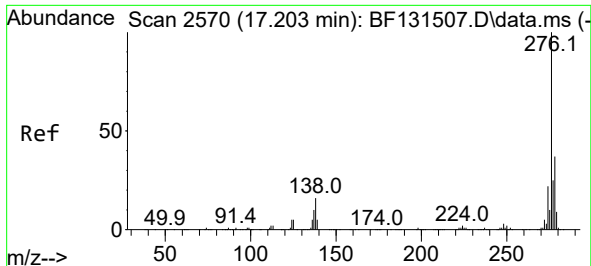
Tgt Ion:244 Resp: 2575988
 Ion Ratio Lower Upper
 244 100
 212 7.3 5.7 8.5
 122 8.8 5.4 8.2#



#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.645 min Scan# 2305
 Delta R.T. 0.000 min
 Lab File: BF131512.D
 Acq: 05 Dec 2022 21:22

Tgt Ion:264 Resp: 348528
 Ion Ratio Lower Upper
 264 100
 260 22.6 19.0 28.4
 265 20.9 17.0 25.4

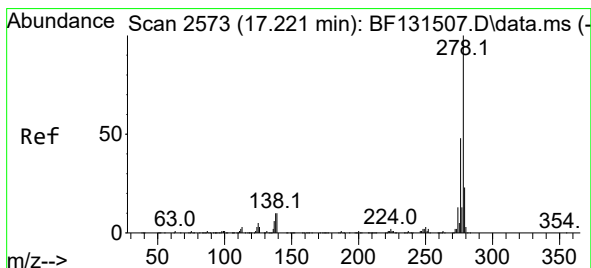
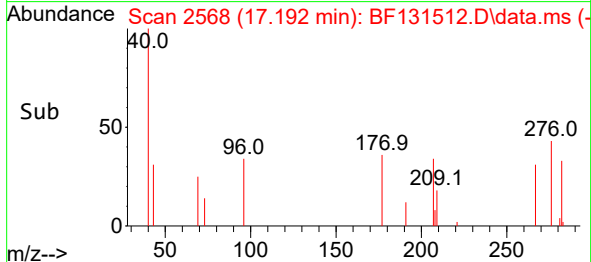
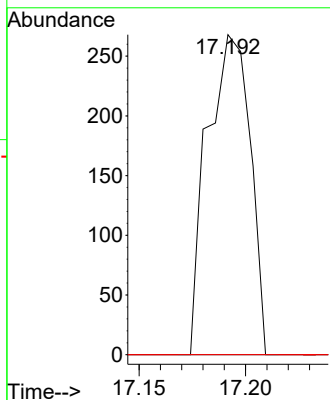
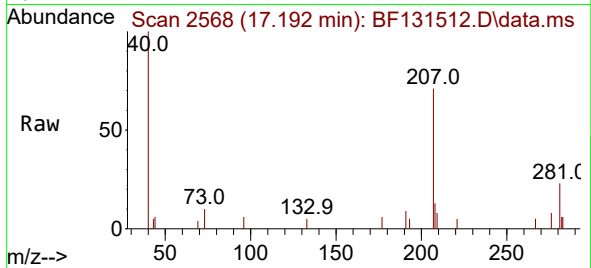




#87
 Indeno(1,2,3-cd)pyrene
 Concen: 3.036 ng
 RT: 17.192 min Scan# 2568
 Delta R.T. -0.011 min
 Lab File: BF131512.D
 Acq: 05 Dec 2022 21:22

Instrument :
 BNA_F
 ClientSampleId :
 PB149409BL

Tgt Ion:276 Resp: 375
 Ion Ratio Lower Upper
 276 100
 138 0.0 13.2 19.8#
 277 0.0 19.6 29.4#



#91
 Dibenzo(a,h)anthracene
 Concen: 3.493 ng
 RT: 17.221 min Scan# 2573
 Delta R.T. 0.000 min
 Lab File: BF131512.D
 Acq: 05 Dec 2022 21:22

Tgt Ion:278 Resp: 181
 Ion Ratio Lower Upper
 278 100
 139 0.0 8.4 12.6#
 279 0.0 18.8 28.2#

