

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF101723\
 Data File : BF135835.D
 Acq On : 18 Oct 2023 03:08
 Operator : CG\JU
 Sample : 04645-02DL 5X RE
 Misc :
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 02DL

Quant Time: Oct 18 05:05:50 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF101323.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Oct 17 01:22:00 2023
 Response via : Initial Calibration

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

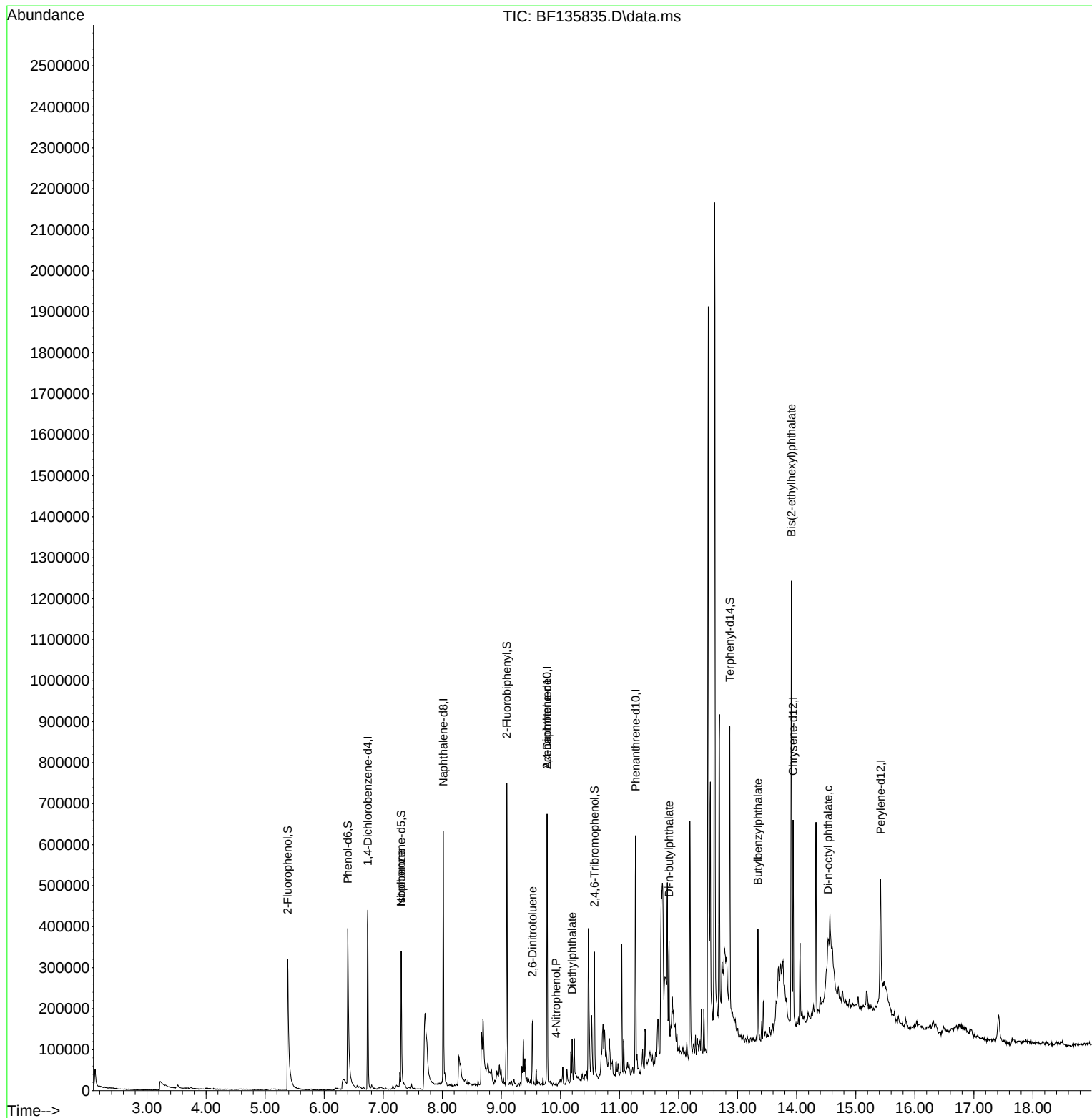
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.739	152	68832	20.000	ng	0.00
21) Naphthalene-d8	8.016	136	246594	20.000	ng	0.00
39) Acenaphthene-d10	9.775	164	110966	20.000	ng	-0.01
64) Phenanthrene-d10	11.274	188	212487	20.000	ng	0.00
76) Chrysene-d12	13.939	240	163573	20.000	ng	-0.01
86) Perylene-d12	15.421	264	132404	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.381	112	158615	37.049	ng	0.00
7) Phenol-d6	6.398	99	181910	34.054	ng	0.00
23) Nitrobenzene-d5	7.304	82	103090	22.993	ng	-0.01
42) 2,4,6-Tribromophenol	10.574	330	35507	33.346	ng	-0.01
45) 2-Fluorobiphenyl	9.092	172	202322	28.507	ng	-0.01
79) Terphenyl-d14	12.868	244	223695	25.326	ng	-0.01
Target Compounds						
						Qvalue
25) Isophorone	7.304	82	103090	12.188	ng	# 66
51) 2,6-Dinitrotoluene	9.527	165	14289	8.870	ng	# 16
56) 4-Nitrophenol	9.927	139	165	5.662	ng	99
57) 2,4-Dinitrotoluene	9.775	165	14933	7.287	ng	# 24
60) Diethylphthalate	10.198	149	30454	3.982	ng	99
74) Di-n-butylphthalate	11.839	149	113522	9.399	ng	98
80) Butylbenzylphthalate	13.345	149	58412	10.226	ng	98
84) Bis(2-ethylhexyl)phtha...	13.910	149	297637	38.447	ng	98
85) Di-n-octyl phthalate	14.533	149	50409	4.106	ng	# 66

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

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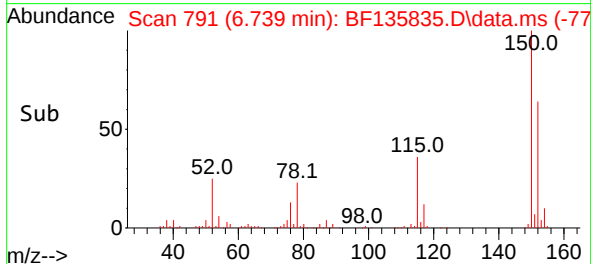
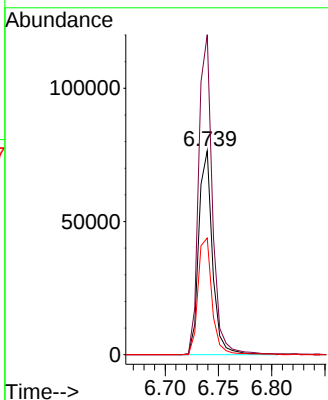
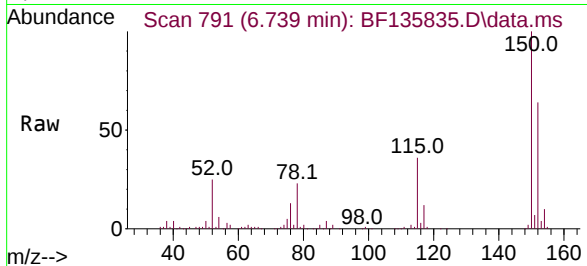




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.739 min Scan# 791
Delta R.T. -0.007 min
Lab File: BF135835.D
Acq: 18 Oct 2023 03:08

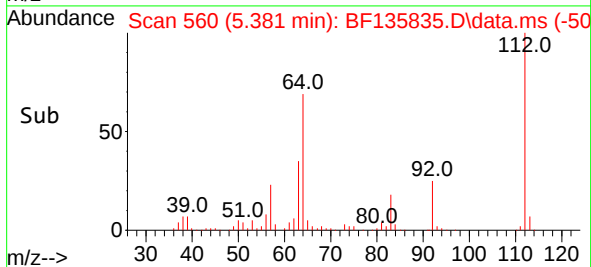
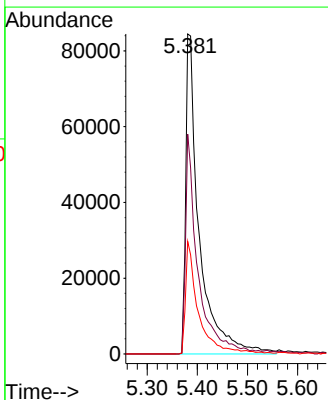
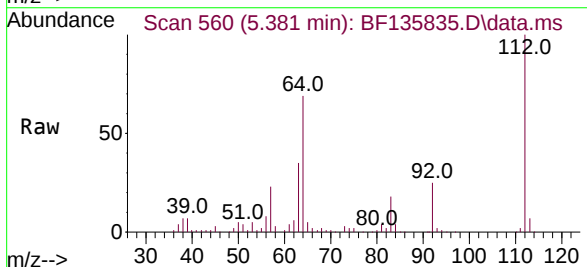
Instrument :
BNA_F
ClientSampleId :
02DL

Tgt Ion:152 Resp: 68832
Ion Ratio Lower Upper
152 100
150 156.9 124.5 186.7
115 57.2 49.0 73.4



#5
2-Fluorophenol
Concen: 37.049 ng
RT: 5.381 min Scan# 560
Delta R.T. 0.006 min
Lab File: BF135835.D
Acq: 18 Oct 2023 03:08

Tgt Ion:112 Resp: 158615
Ion Ratio Lower Upper
112 100
64 68.7 51.2 76.8
63 35.1 26.1 39.1

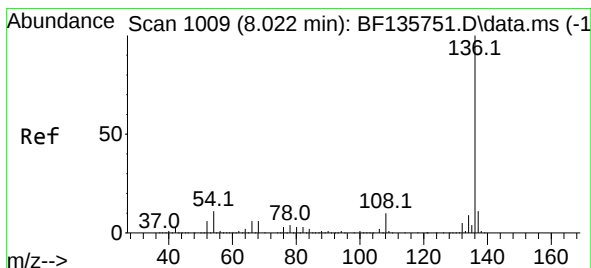
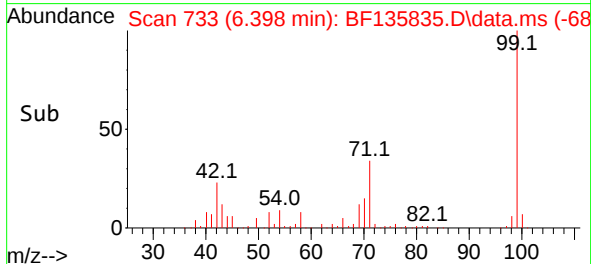
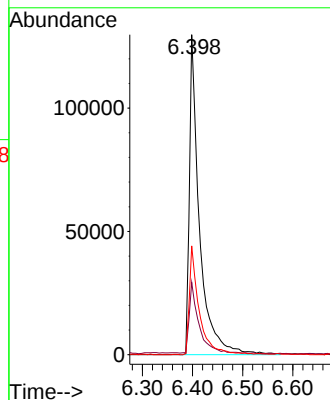
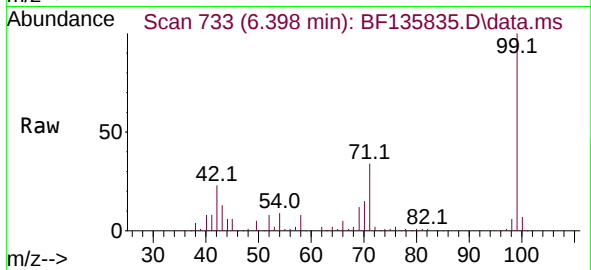




#7
Phenol-d6
Concen: 34.054 ng
RT: 6.398 min Scan# 71
Delta R.T. -0.000 min
Lab File: BF135835.D
Acq: 18 Oct 2023 03:08

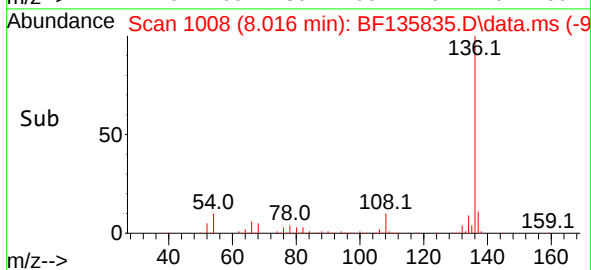
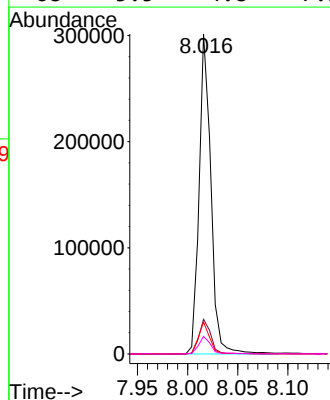
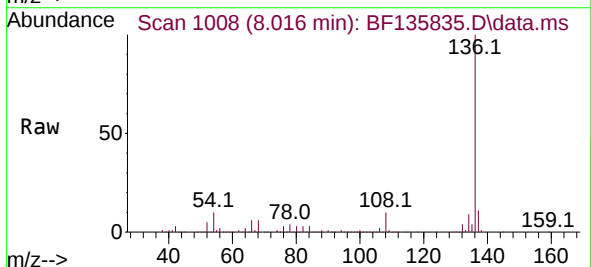
Instrument :
BNA_F
ClientSampleId :
02DL

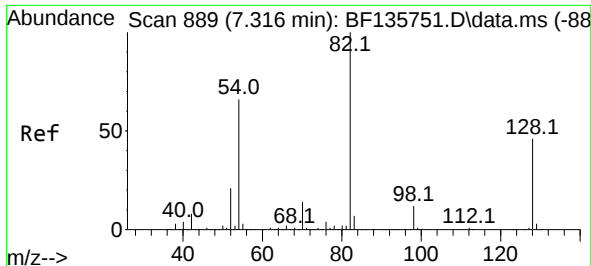
Tgt Ion: 99 Resp: 181910
Ion Ratio Lower Upper
99 100
42 22.6 18.4 27.6
71 34.0 27.2 40.8



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.016 min Scan# 1008
Delta R.T. -0.006 min
Lab File: BF135835.D
Acq: 18 Oct 2023 03:08

Tgt Ion: 136 Resp: 246594
Ion Ratio Lower Upper
136 100
137 10.8 8.6 12.8
54 9.9 8.5 12.7
68 5.5 4.8 7.2





#23

Nitrobenzene-d5

Concen: 22.993 ng

RT: 7.304 min Scan# 887

Delta R.T. -0.012 min

Lab File: BF135835.D

Acq: 18 Oct 2023 03:08

Instrument :

BNA_F

ClientSampleId :

02DL

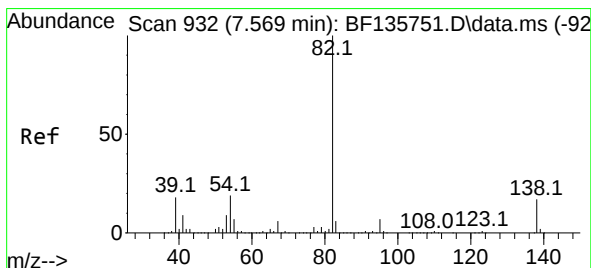
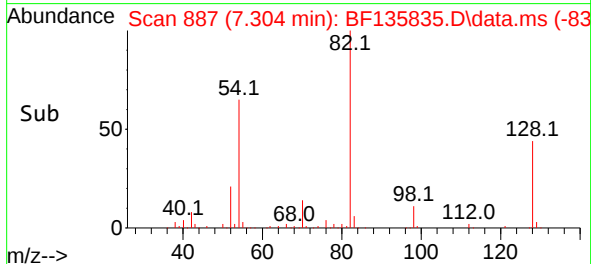
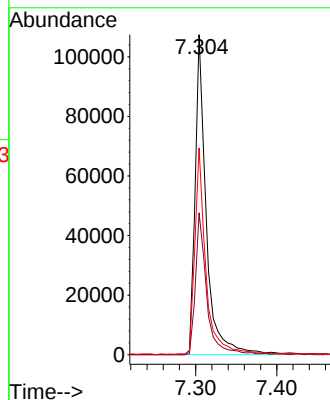
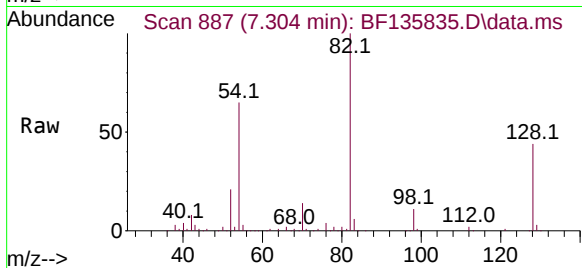
Tgt Ion: 82 Resp: 103090

Ion Ratio Lower Upper

82 100

128 44.4 37.0 55.6

54 64.6 52.8 79.2



#25

Isophorone

Concen: 12.188 ng

RT: 7.304 min Scan# 887

Delta R.T. -0.265 min

Lab File: BF135835.D

Acq: 18 Oct 2023 03:08

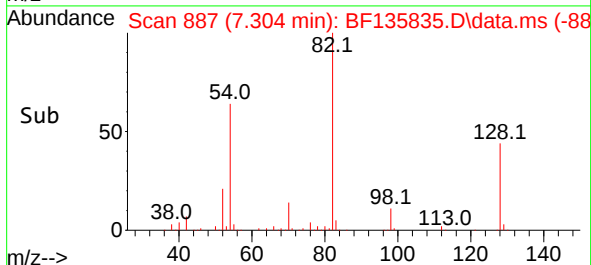
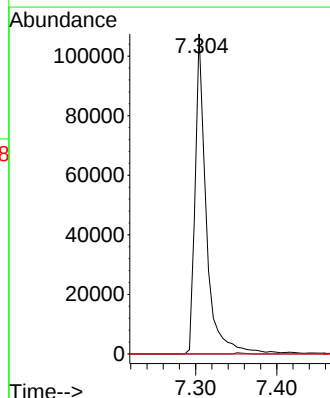
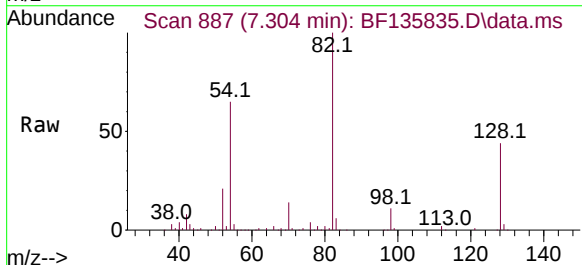
Tgt Ion: 82 Resp: 103090

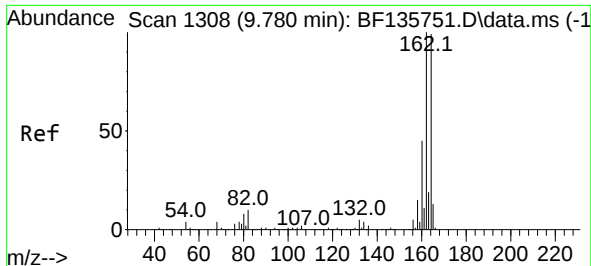
Ion Ratio Lower Upper

82 100

95 0.0 5.5 8.3#

138 0.0 13.9 20.9#





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.775 min Scan# 1

Delta R.T. -0.012 min

Lab File: BF135835.D

Acq: 18 Oct 2023 03:08

Instrument :

BNA_F

ClientSampleId :

02DL

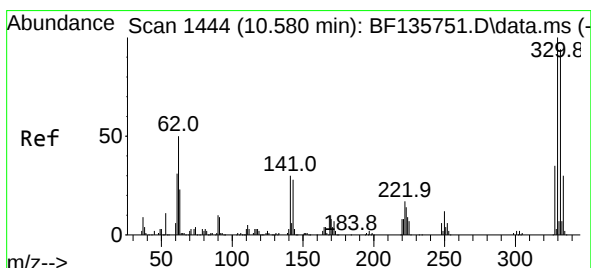
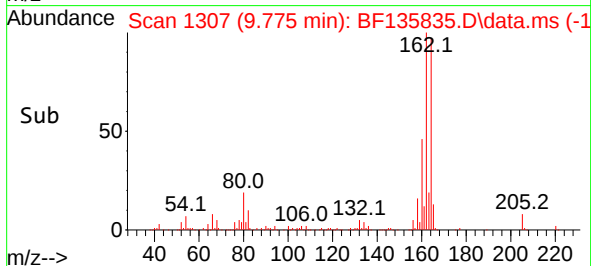
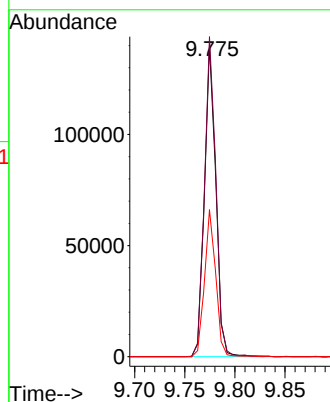
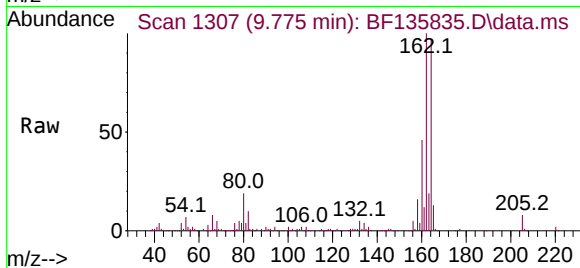
Tgt Ion:164 Resp: 110966

Ion Ratio Lower Upper

164 100

162 102.9 80.8 121.2

160 47.3 36.6 54.8



#42

2,4,6-Tribromophenol

Concen: 33.346 ng

RT: 10.574 min Scan# 1443

Delta R.T. -0.012 min

Lab File: BF135835.D

Acq: 18 Oct 2023 03:08

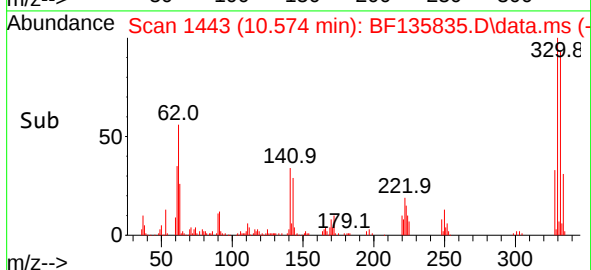
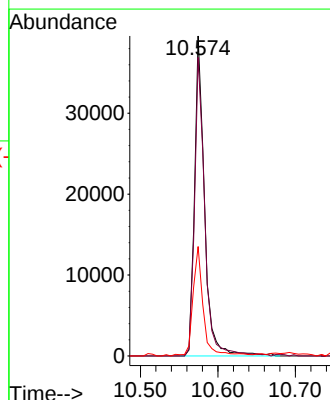
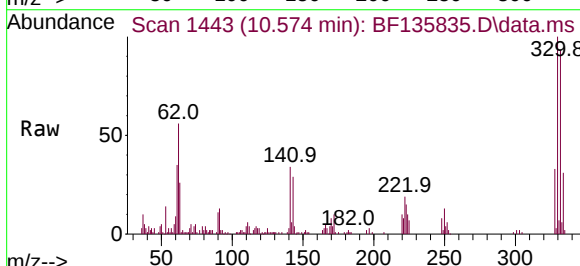
Tgt Ion:330 Resp: 35507

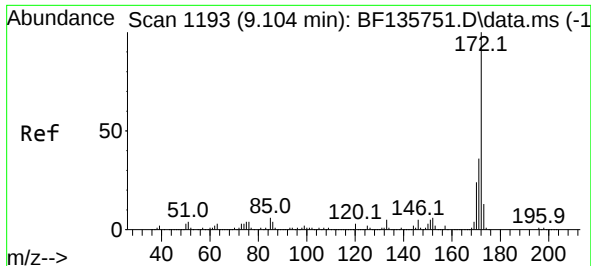
Ion Ratio Lower Upper

330 100

332 95.0 75.0 112.4

141 35.5 25.8 38.6





#45

2-Fluorobiphenyl

Concen: 28.507 ng

RT: 9.092 min Scan# 1193

Delta R.T. -0.012 min

Lab File: BF135835.D

Acq: 18 Oct 2023 03:08

Instrument :

BNA_F

ClientSampleId :

02DL

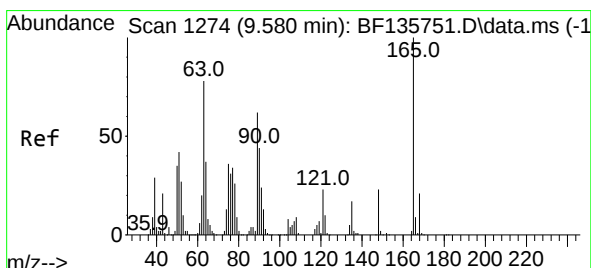
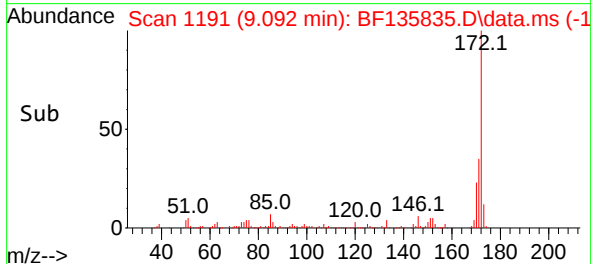
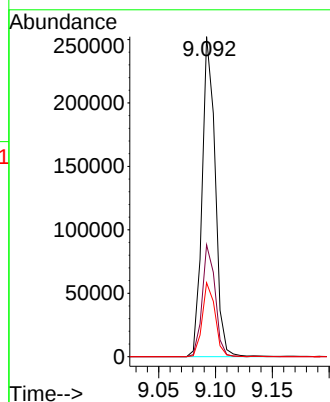
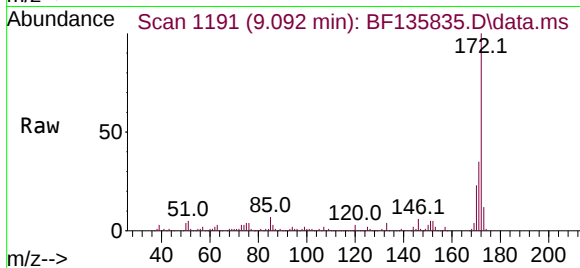
Tgt Ion:172 Resp: 202322

Ion Ratio Lower Upper

172 100

171 34.9 28.4 42.6

170 23.1 18.8 28.2



#51

2,6-Dinitrotoluene

Concen: 8.870 ng

RT: 9.527 min Scan# 1265

Delta R.T. -0.059 min

Lab File: BF135835.D

Acq: 18 Oct 2023 03:08

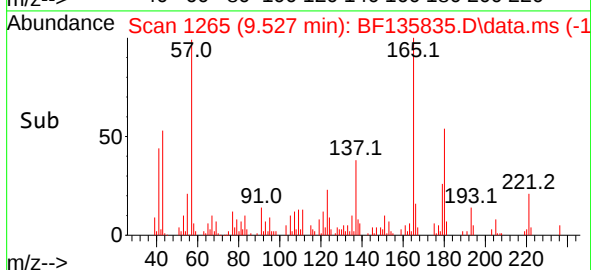
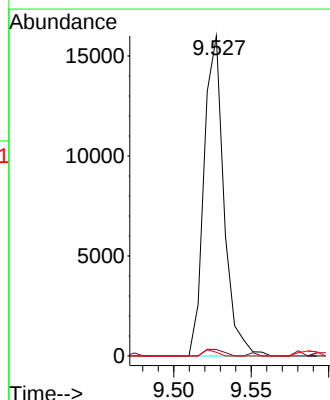
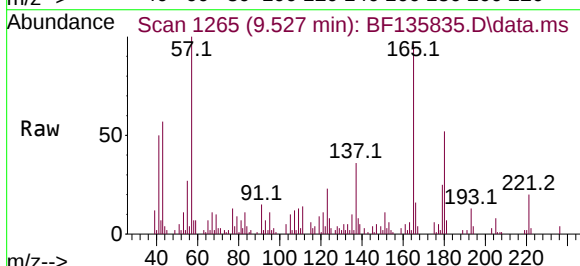
Tgt Ion:165 Resp: 14289

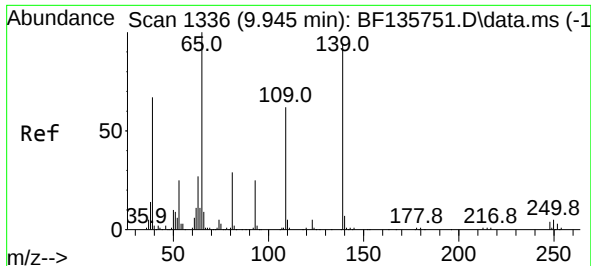
Ion Ratio Lower Upper

165 100

63 2.0 62.2 93.4#

89 1.1 49.6 74.4#

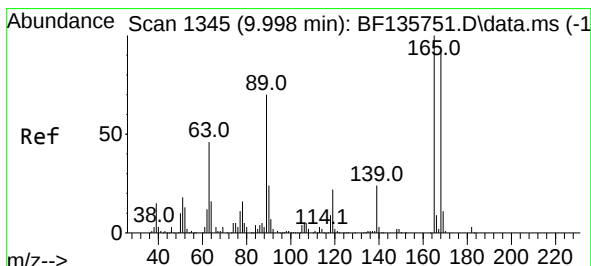
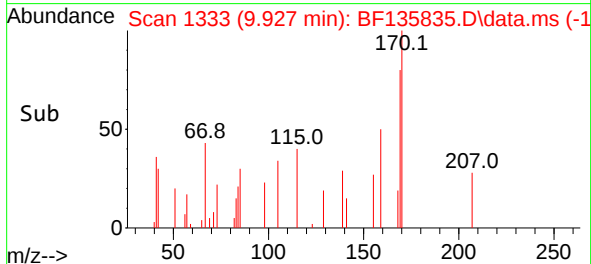
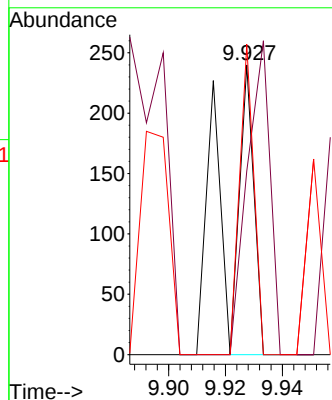
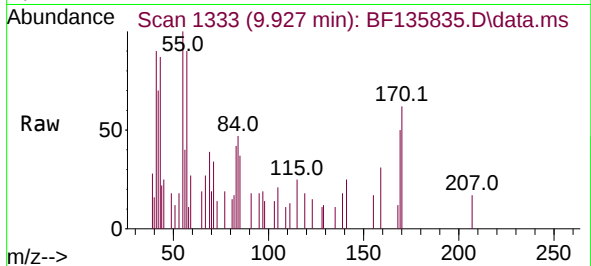




#56
4-Nitrophenol
Concen: 5.662 ng
RT: 9.927 min Scan# 11
Delta R.T. -0.018 min
Lab File: BF135835.D
Acq: 18 Oct 2023 03:08

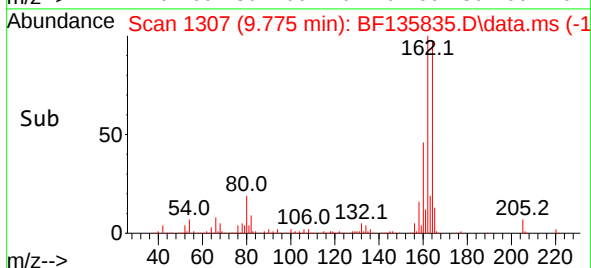
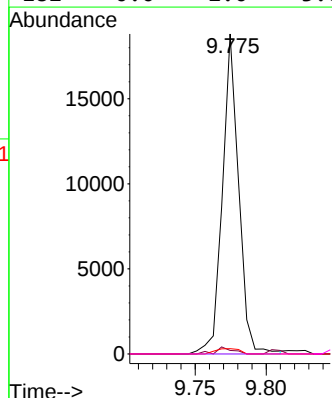
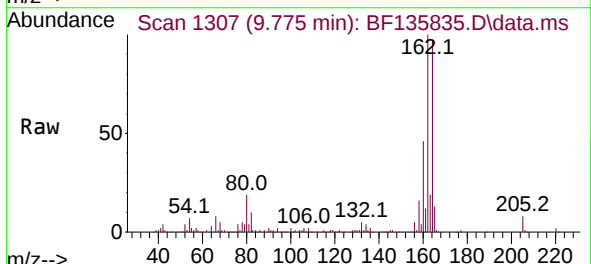
Instrument :
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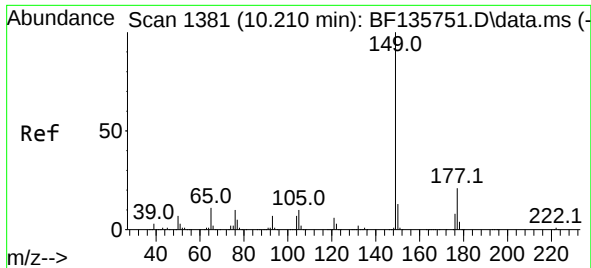
Tgt Ion:139 Resp: 165
Ion Ratio Lower Upper
139 100
109 63.3 45.6 85.6
65 107.1 87.5 127.5



#57
2,4-Dinitrotoluene
Concen: 7.287 ng
RT: 9.775 min Scan# 1307
Delta R.T. -0.230 min
Lab File: BF135835.D
Acq: 18 Oct 2023 03:08

Tgt Ion:165 Resp: 14933
Ion Ratio Lower Upper
165 100
63 1.1 39.0 58.4#
89 1.7 55.9 83.9#
182 0.0 2.0 3.0#

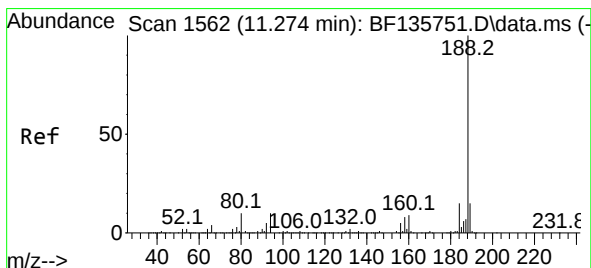
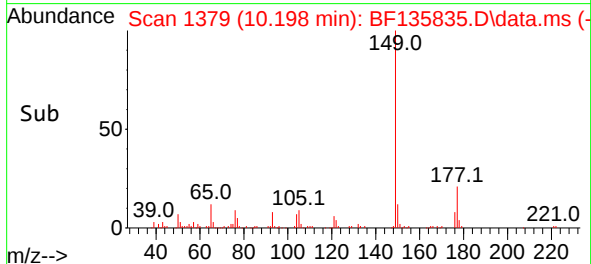
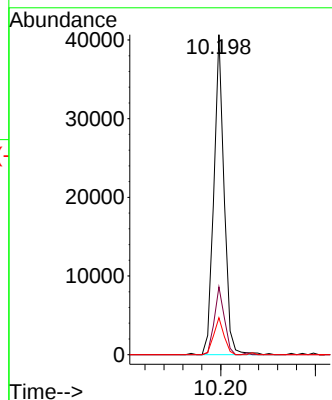
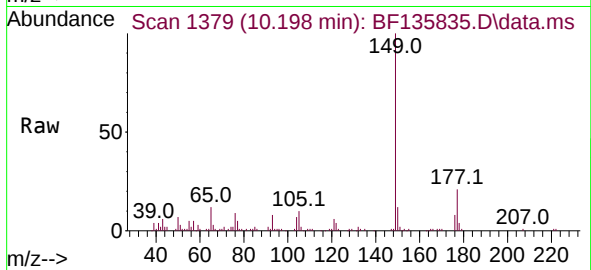




#60
Diethylphthalate
Concen: 3.982 ng
RT: 10.198 min Scan# 11
Delta R.T. -0.018 min
Lab File: BF135835.D
Acq: 18 Oct 2023 03:08

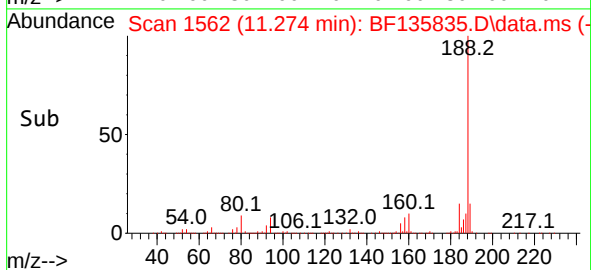
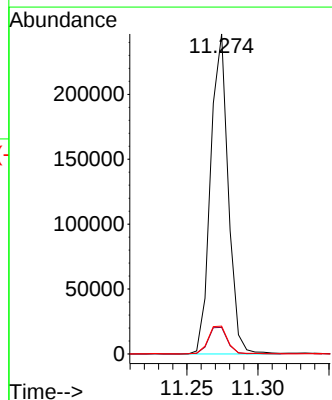
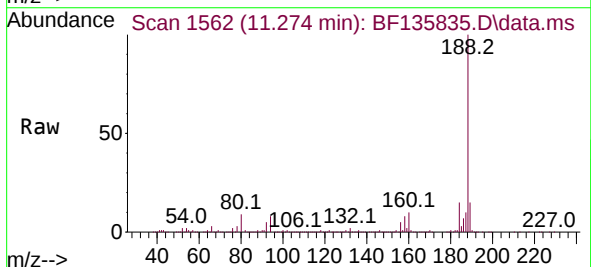
Instrument :
BNA_F
ClientSampleId :
02DL

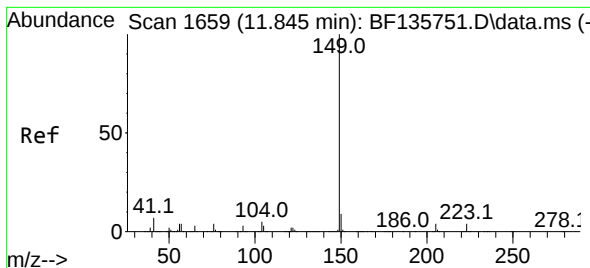
Tgt Ion:149 Resp: 30454
Ion Ratio Lower Upper
149 100
177 21.2 16.9 25.3
150 11.6 10.2 15.2



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.274 min Scan# 1562
Delta R.T. -0.006 min
Lab File: BF135835.D
Acq: 18 Oct 2023 03:08

Tgt Ion:188 Resp: 212487
Ion Ratio Lower Upper
188 100
94 8.3 8.0 12.0
80 8.7 8.3 12.5





#74

Di-n-butylphthalate

Concen: 9.399 ng

RT: 11.839 min Scan# 1

Delta R.T. -0.006 min

Lab File: BF135835.D

Acq: 18 Oct 2023 03:08

Instrument :

BNA_F

ClientSampleId :

02DL

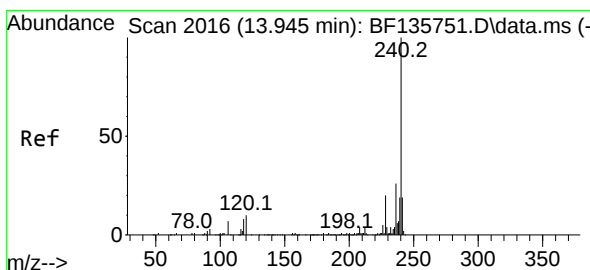
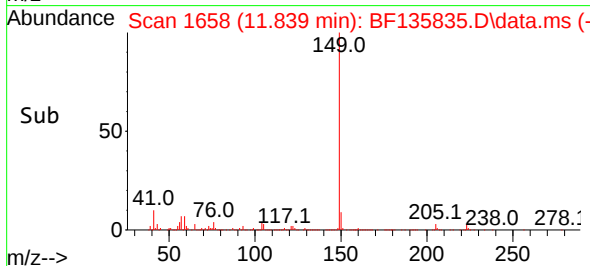
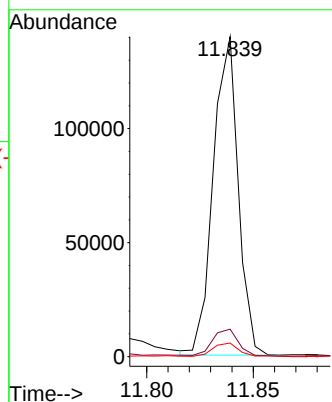
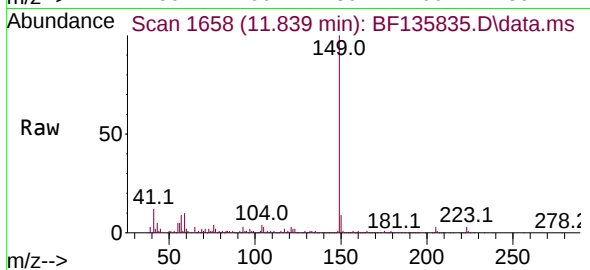
Tgt Ion:149 Resp: 113522

Ion Ratio Lower Upper

149 100

150 8.6 7.4 11.2

104 4.3 3.7 5.5



#76

Chrysene-d12

Concen: 20.000 ng

RT: 13.939 min Scan# 2015

Delta R.T. -0.012 min

Lab File: BF135835.D

Acq: 18 Oct 2023 03:08

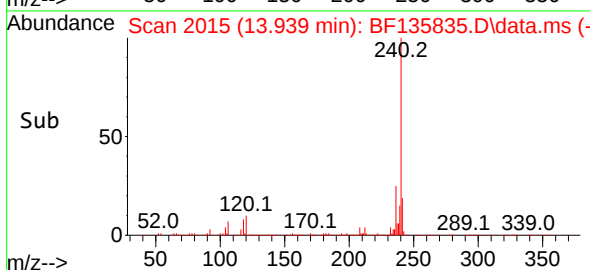
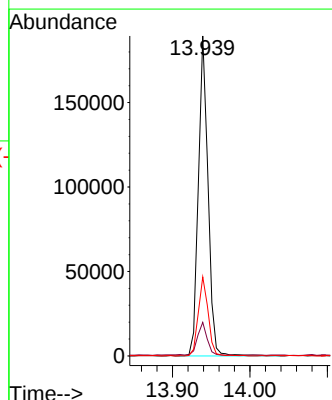
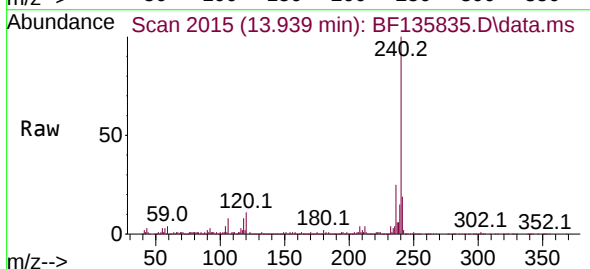
Tgt Ion:240 Resp: 163573

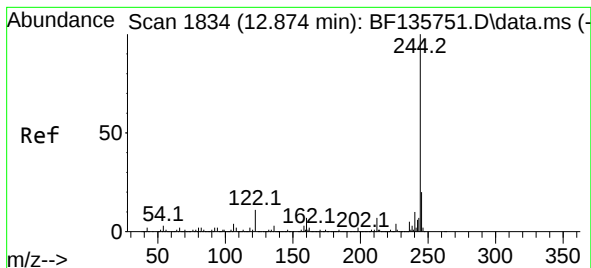
Ion Ratio Lower Upper

240 100

120 10.5 8.2 12.2

236 24.7 21.2 31.8





#79

Terphenyl-d14

Concen: 25.326 ng

RT: 12.868 min Scan# 1833

Delta R.T. -0.012 min

Lab File: BF135835.D

Acq: 18 Oct 2023 03:08

Instrument :

BNA_F

ClientSampleId :

02DL

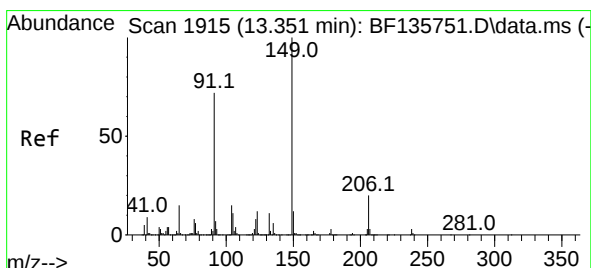
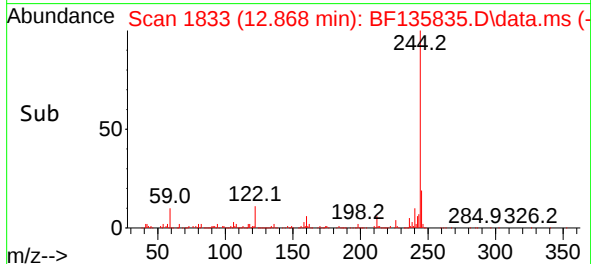
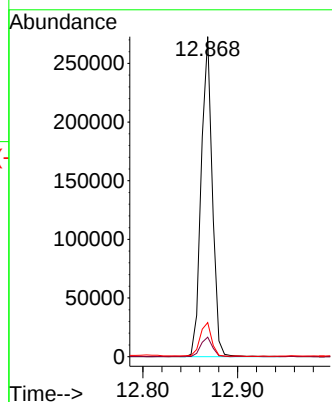
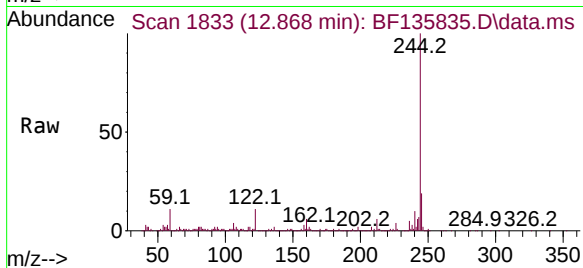
Tgt Ion:244 Resp: 223695

Ion Ratio Lower Upper

244 100

212 6.1 5.6 8.4

122 10.7 9.0 13.6



#80

Butylbenzylphthalate

Concen: 10.226 ng

RT: 13.345 min Scan# 1914

Delta R.T. -0.012 min

Lab File: BF135835.D

Acq: 18 Oct 2023 03:08

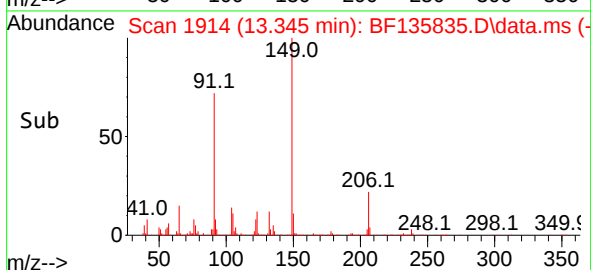
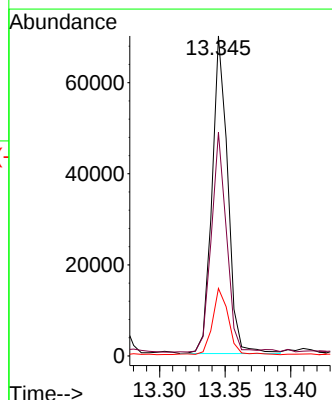
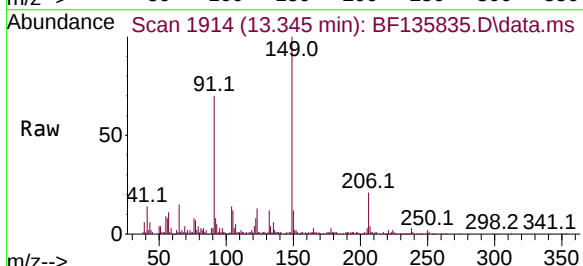
Tgt Ion:149 Resp: 58412

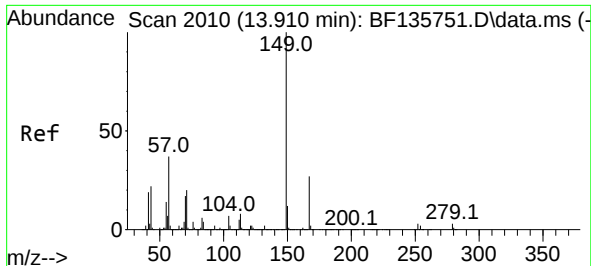
Ion Ratio Lower Upper

149 100

91 69.9 57.4 86.0

206 21.1 16.2 24.4

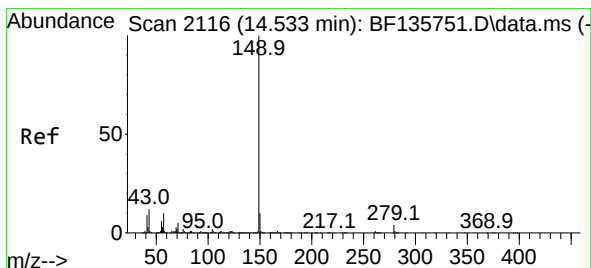
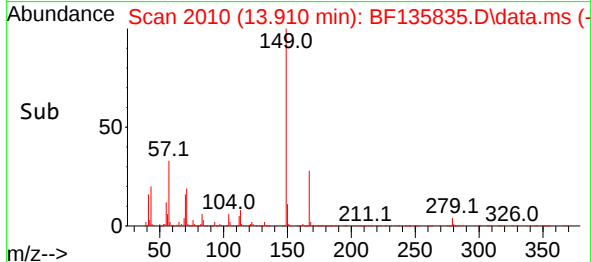
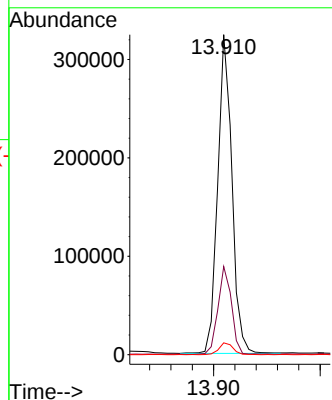
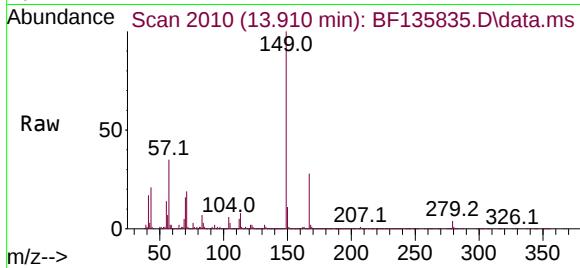




#84
Bis(2-ethylhexyl)phthalate
Concen: 38.447 ng
RT: 13.910 min Scan# 2010
Delta R.T. -0.006 min
Lab File: BF135835.D
Acq: 18 Oct 2023 03:08

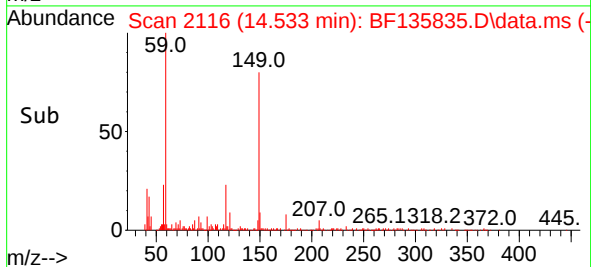
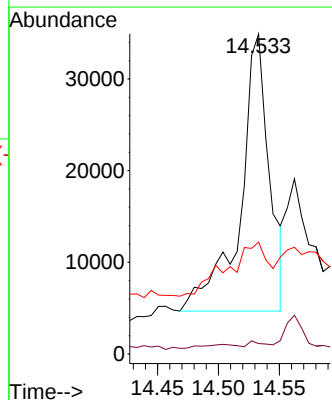
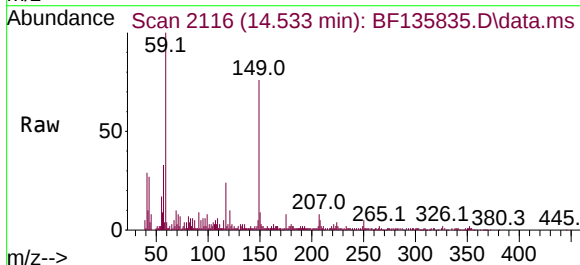
Instrument :
BNA_F
ClientSampleId :
02DL

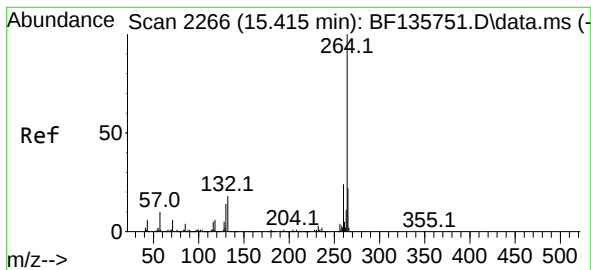
Tgt Ion:149 Resp: 297637
Ion Ratio Lower Upper
149 100
167 27.5 21.3 31.9
279 3.7 2.7 4.1



#85
Di-n-octyl phthalate
Concen: 4.106 ng
RT: 14.533 min Scan# 2116
Delta R.T. -0.000 min
Lab File: BF135835.D
Acq: 18 Oct 2023 03:08

Tgt Ion:149 Resp: 50409
Ion Ratio Lower Upper
149 100
167 1.6 1.2 1.8
43 27.4 10.1 15.1#





#86
Perylene-d12
Concen: 20.000 ng
RT: 15.421 min Scan# 21
Delta R.T. -0.000 min
Lab File: BF135835.D
Acq: 18 Oct 2023 03:08

Instrument :
BNA_F
ClientSampleId :
02DL

Tgt Ion:264 Resp: 132404

Ion	Ratio	Lower	Upper
264	100		
260	24.3	19.2	28.8
265	22.2	17.4	26.2

