

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF092923\
 Data File : BF135516.D
 Acq On : 29 Sep 2023 15:12
 Operator : CG\JU
 Sample : 04645-02
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 02

Quant Time: Sep 30 00:21:38 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF091123.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Sat Sep 30 00:12:20 2023
 Response via : Initial Calibration

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

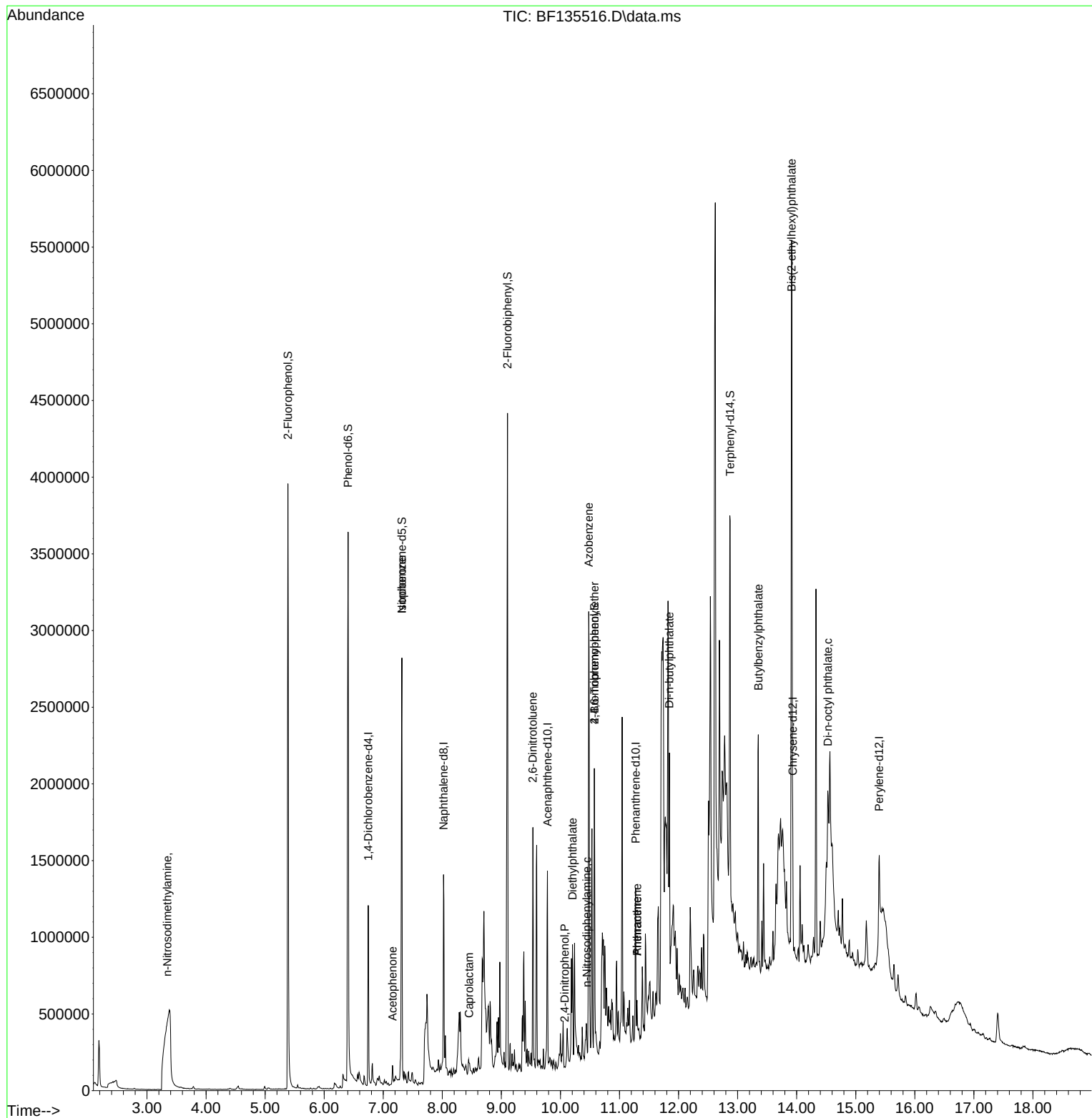
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.745	152	154742	20.000	ng	0.00
21) Naphthalene-d8	8.022	136	551583	20.000	ng	# 0.00
39) Acenaphthene-d10	9.780	164	230167	20.000	ng	0.00
64) Phenanthrene-d10	11.275	188	345573	20.000	ng	0.00
76) Chrysene-d12	13.933	240	268230	20.000	ng	0.00
86) Perylene-d12	15.398	264	271868	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.387	112	1151039	120.982	ng	0.00
7) Phenol-d6	6.404	99	1404225	116.073	ng	0.00
23) Nitrobenzene-d5	7.316	82	881179	86.794	ng	0.00
42) 2,4,6-Tribromophenol	10.575	330	217408	95.050	ng	0.00
45) 2-Fluorobiphenyl	9.104	172	1332495	87.344	ng	0.00
79) Terphenyl-d14	12.874	244	1082059	62.536	ng	0.00
Target Compounds						
						Qvalue
4) n-Nitrosodimethylamine	3.346	42	38754	6.506	ng	# 1
22) Acetophenone	7.157	105	29348	2.327	ng	# 89
25) Isophorone	7.316	82	880984	47.256	ng	# 65
35) Caprolactam	8.451	113	6595	2.620	ng	# 1
51) 2,6-Dinitrotoluene	9.533	165	131671	38.624	ng	# 18
54) 2,4-Dinitrophenol	10.075	184	549	6.509	ng	# 78
60) Diethylphthalate	10.204	149	229615	14.702	ng	99
63) Azobenzene	10.480	77	96949	6.343	ng	# 83
66) n-Nitrosodiphenylamine	10.445	169	40202	3.843	ng	98
67) 4-Bromophenyl-phenylether	10.575	248	14089	4.099	ng	# 1
71) Phenanthrene	11.298	178	96408	5.899	ng	99
72) Anthracene	11.298	178	96408	5.739	ng	99
74) Di-n-butylphthalate	11.845	149	689242	38.247	ng	100
80) Butylbenzylphthalate	13.351	149	376348	41.857	ng	98
84) Bis(2-ethylhexyl)phtha...	13.916	149	1550401	168.034	ng	98
85) Di-n-octyl phthalate	14.527	149	477662	32.576	ng	# 94

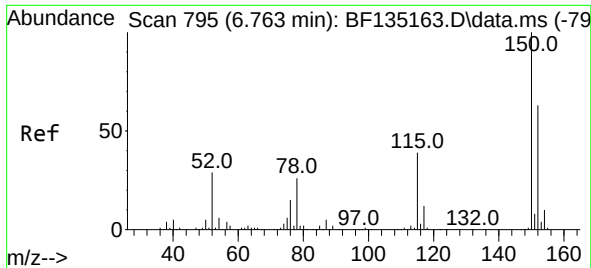
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Sep 30 00:21:38 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF091123.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Sat Sep 30 00:12:20 2023
Response via : Initial Calibration

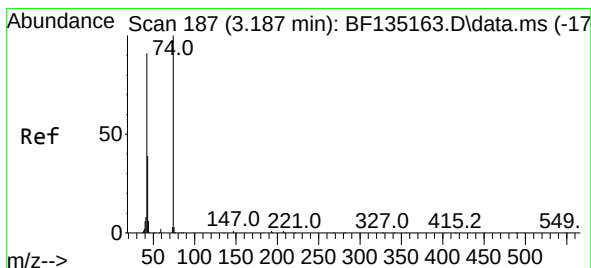
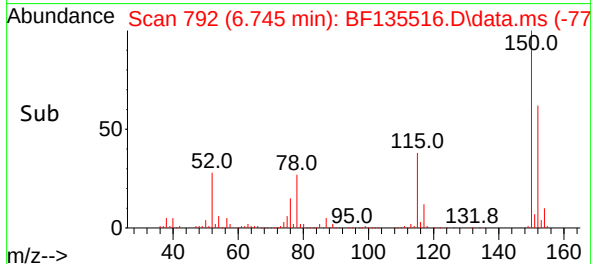
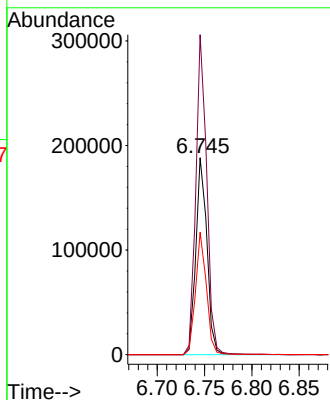
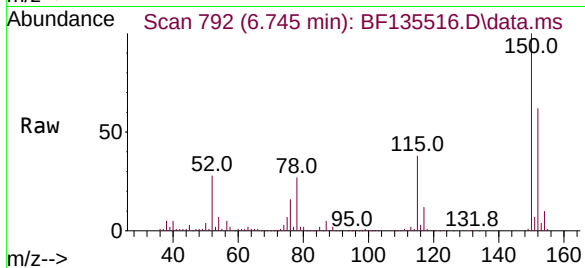




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.745 min Scan# 795
Delta R.T. -0.006 min
Lab File: BF135516.D
Acq: 29 Sep 2023 15:12

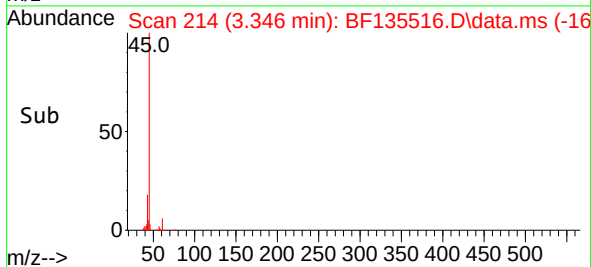
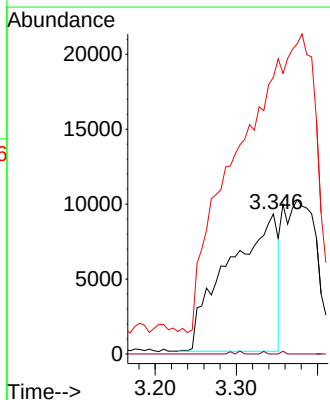
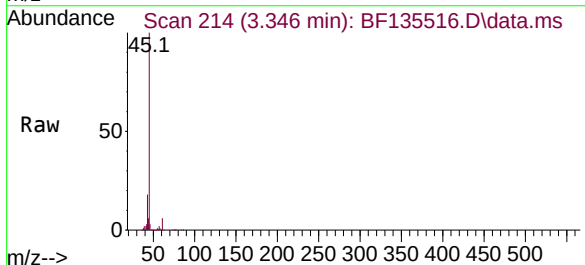
Instrument :
BNA_F
ClientSampleId :
02

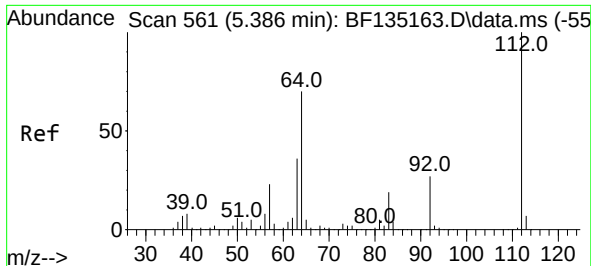
Tgt Ion:152 Resp: 154742
Ion Ratio Lower Upper
152 100
150 162.4 127.8 191.6
115 62.1 49.8 74.8



#4
n-Nitrosodimethylamine
Concen: 6.506 ng
RT: 3.346 min Scan# 214
Delta R.T. 0.176 min
Lab File: BF135516.D
Acq: 29 Sep 2023 15:12

Tgt Ion: 42 Resp: 38754
Ion Ratio Lower Upper
42 100
74 0.0 87.7 131.5#
44 197.8 5.6 8.4#

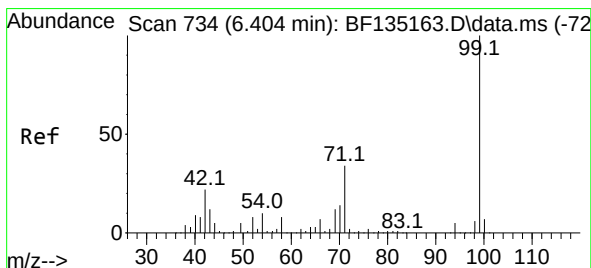
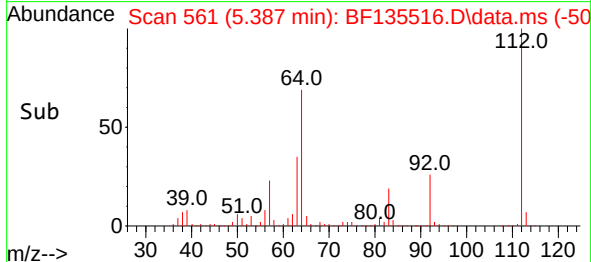
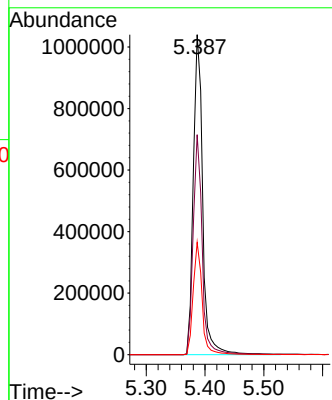
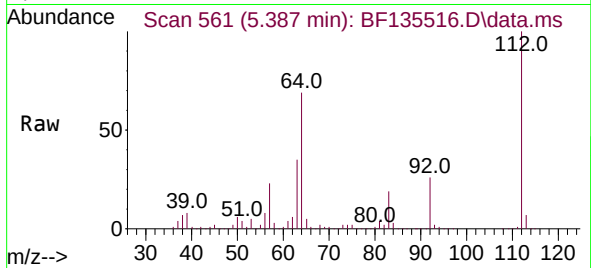




#5
2-Fluorophenol
Concen: 120.982 ng
RT: 5.387 min Scan# 50
Delta R.T. 0.006 min
Lab File: BF135516.D
Acq: 29 Sep 2023 15:12

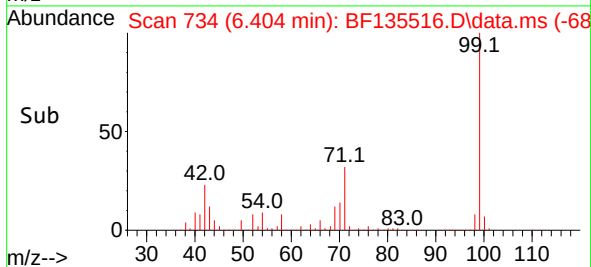
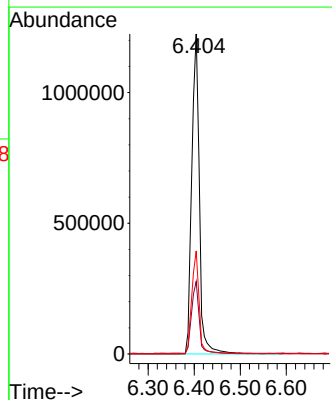
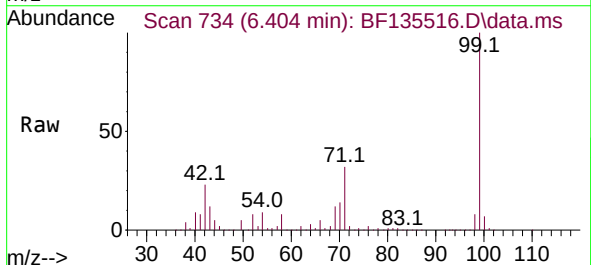
Instrument :
BNA_F
ClientSampleId :
02

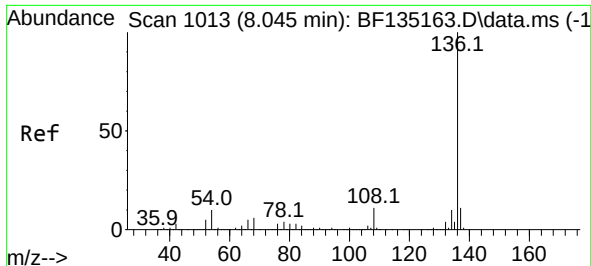
Tgt Ion:112 Resp: 1151039
Ion Ratio Lower Upper
112 100
64 68.8 55.9 83.9
63 35.1 29.0 43.6



#7
Phenol-d6
Concen: 116.073 ng
RT: 6.404 min Scan# 734
Delta R.T. 0.000 min
Lab File: BF135516.D
Acq: 29 Sep 2023 15:12

Tgt Ion: 99 Resp: 1404225
Ion Ratio Lower Upper
99 100
42 22.7 17.9 26.9
71 32.2 27.0 40.6

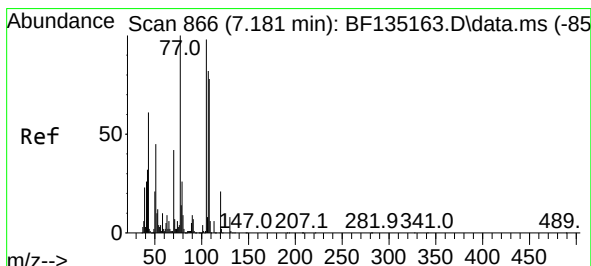
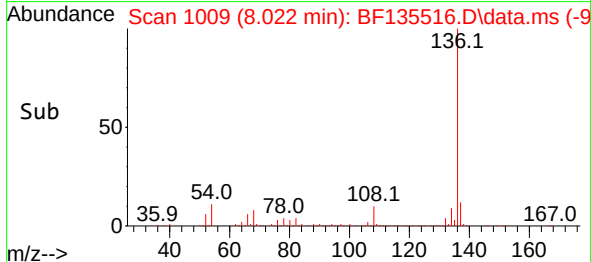
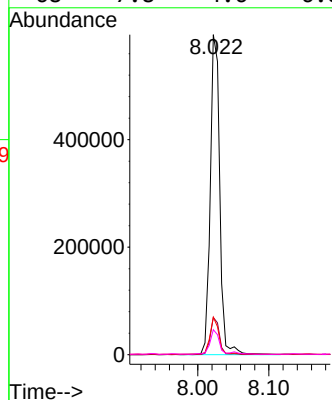
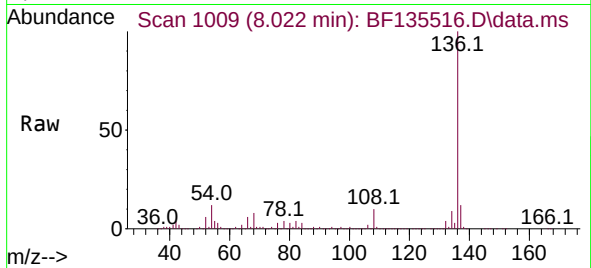




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.022 min Scan# 1013
Delta R.T. -0.006 min
Lab File: BF135516.D
Acq: 29 Sep 2023 15:12

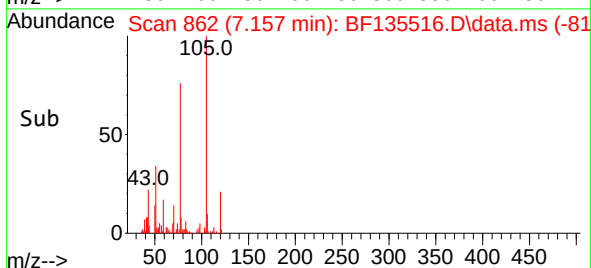
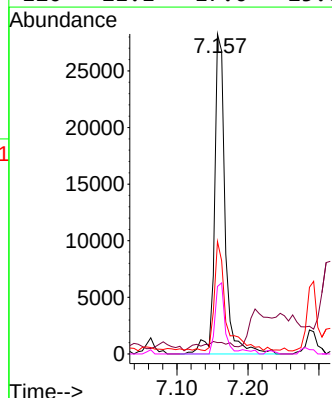
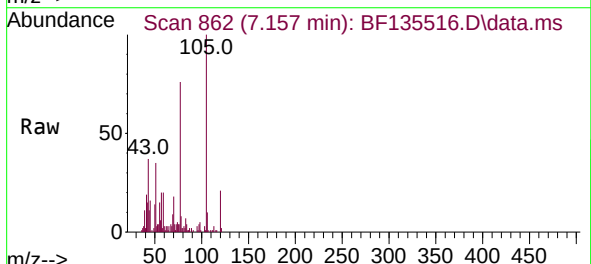
Instrument :
BNA_F
ClientSampleId :
02

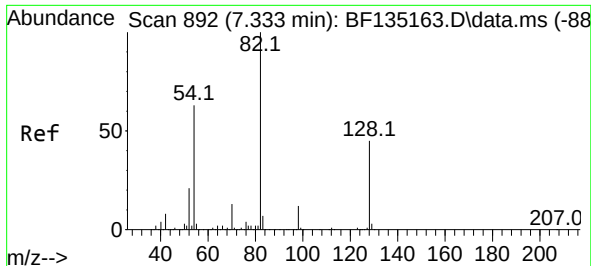
Tgt Ion:136 Resp: 551583
Ion Ratio Lower Upper
136 100
137 11.6 8.8 13.2
54 11.7 7.7 11.5#
68 7.8 4.6 6.8#



#22
Acetophenone
Concen: 2.327 ng
RT: 7.157 min Scan# 862
Delta R.T. -0.006 min
Lab File: BF135516.D
Acq: 29 Sep 2023 15:12

Tgt Ion:105 Resp: 29348
Ion Ratio Lower Upper
105 100
71 3.5 5.8 8.6#
51 35.1 37.0 55.4#
120 21.1 17.0 25.6





#23

Nitrobenzene-d5

Concen: 86.794 ng

RT: 7.316 min Scan# 889

Delta R.T. -0.006 min

Lab File: BF135516.D

Acq: 29 Sep 2023 15:12

Instrument :

BNA_F

ClientSampleId :

02

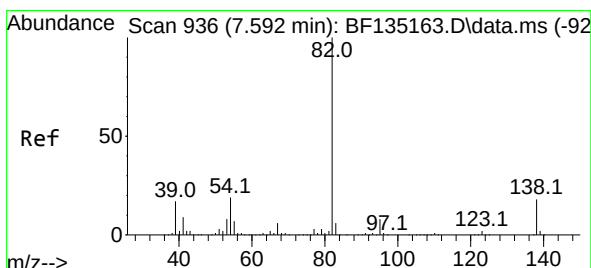
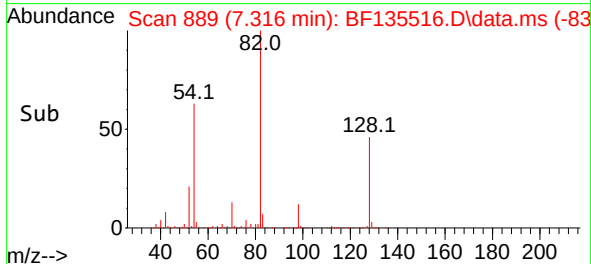
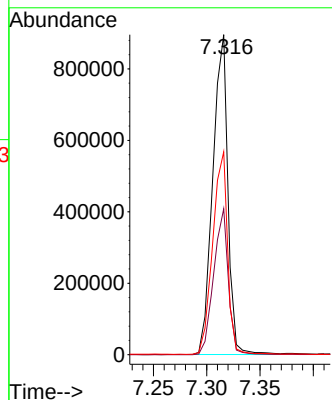
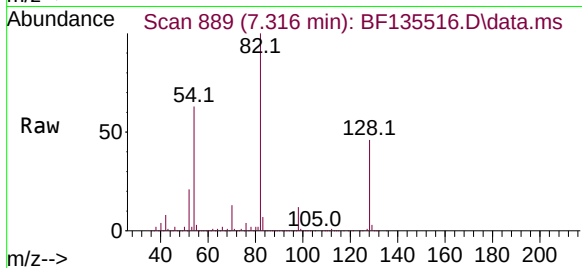
Tgt Ion: 82 Resp: 881179

Ion Ratio Lower Upper

82 100

128 45.6 35.8 53.6

54 63.4 50.6 76.0



#25

Isophorone

Concen: 47.256 ng

RT: 7.316 min Scan# 889

Delta R.T. -0.259 min

Lab File: BF135516.D

Acq: 29 Sep 2023 15:12

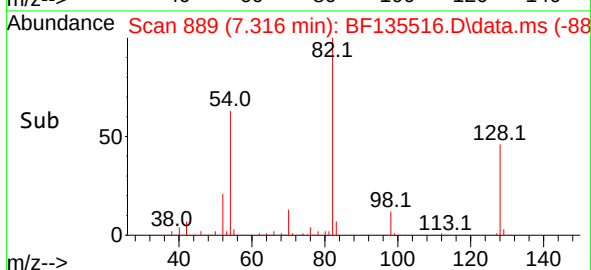
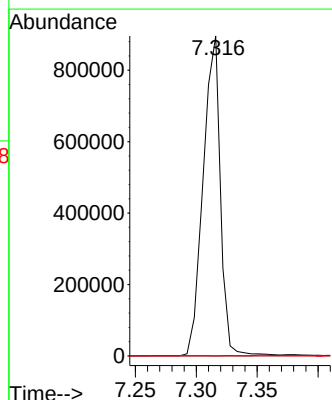
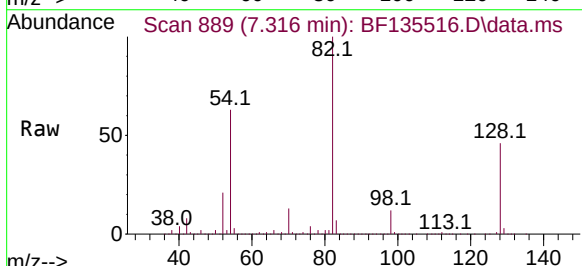
Tgt Ion: 82 Resp: 880984

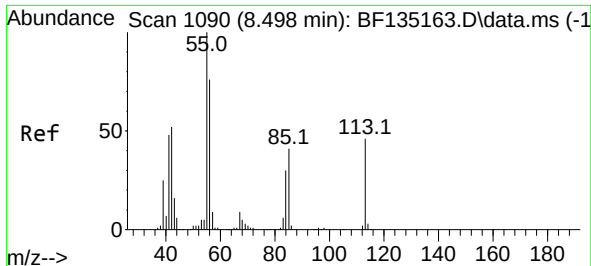
Ion Ratio Lower Upper

82 100

95 0.0 6.0 9.0#

138 0.0 14.5 21.7#

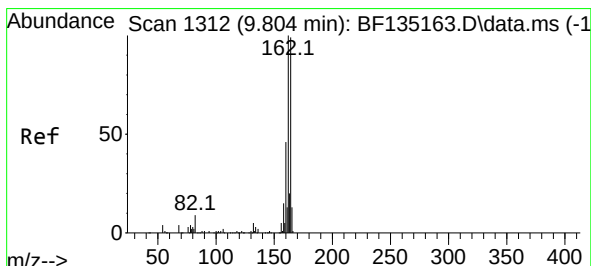
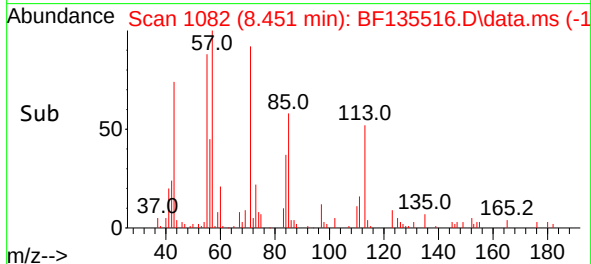
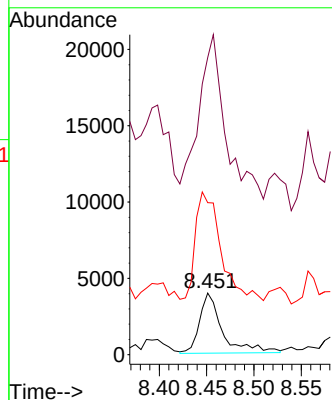
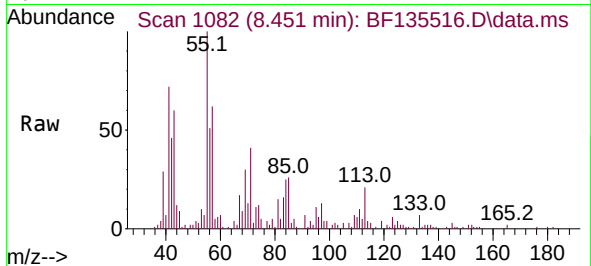




#35
 Caprolactam
 Concen: 2.620 ng
 RT: 8.451 min Scan# 1082
 Delta R.T. -0.041 min
 Lab File: BF135516.D
 Acq: 29 Sep 2023 15:12

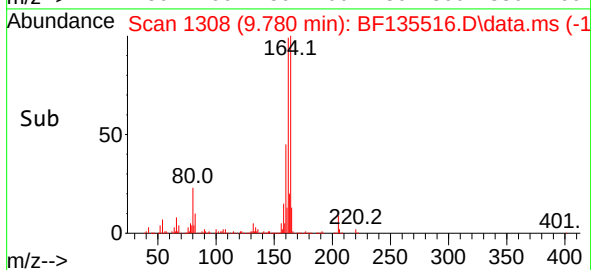
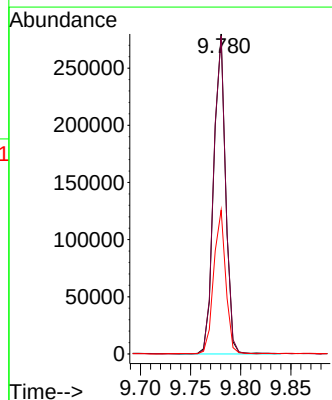
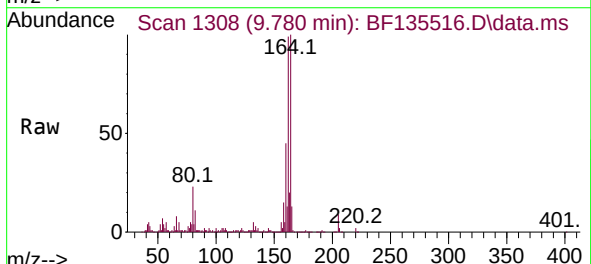
Instrument :
 BNA_F
 ClientSampleId :
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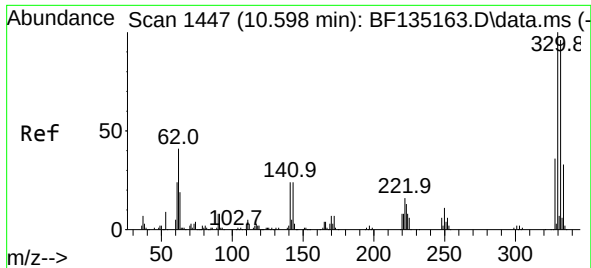
Tgt Ion:113 Resp: 6595
 Ion Ratio Lower Upper
 113 100
 55 482.6 199.3 239.3#
 56 246.8 146.3 186.3#



#39
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.780 min Scan# 1308
 Delta R.T. -0.006 min
 Lab File: BF135516.D
 Acq: 29 Sep 2023 15:12

Tgt Ion:164 Resp: 230167
 Ion Ratio Lower Upper
 164 100
 162 99.4 81.0 121.4
 160 45.0 37.0 55.4



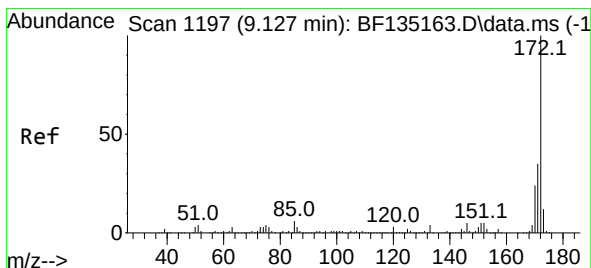
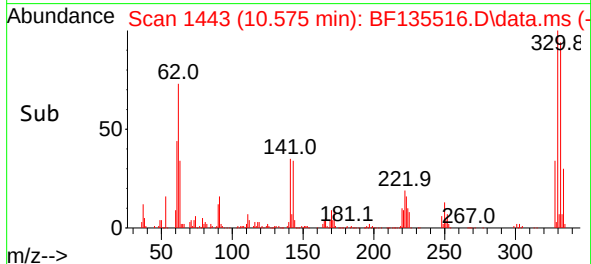
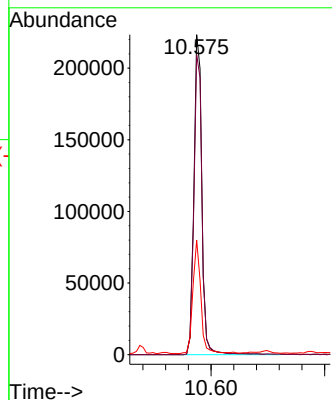
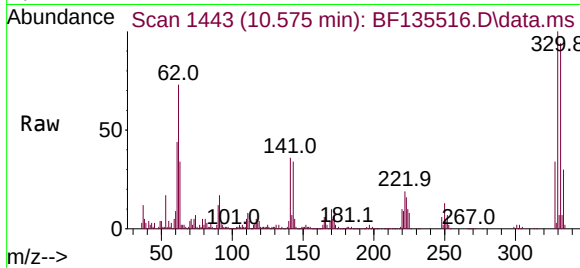


#42
 2,4,6-Tribromophenol
 Concen: 95.050 ng
 RT: 10.575 min Scan# 1447
 Delta R.T. -0.006 min
 Lab File: BF135516.D
 Acq: 29 Sep 2023 15:12

Instrument :
 BNA_F
 ClientSampleId :
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Tgt Ion: 330 Resp: 217408

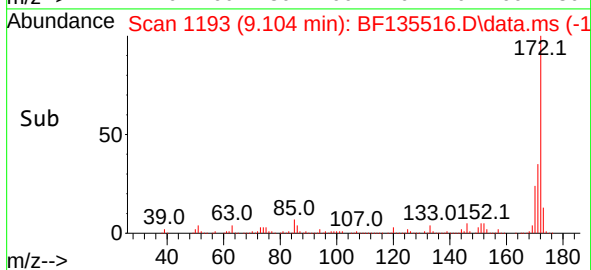
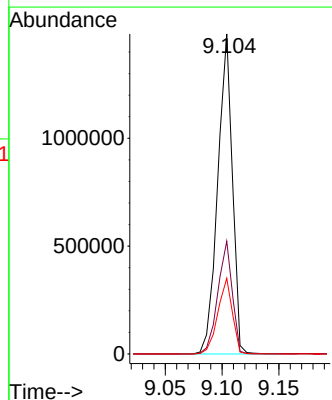
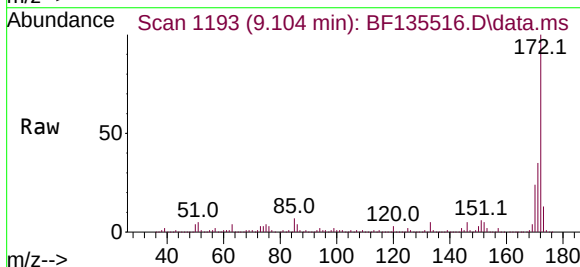
Ion	Ratio	Lower	Upper
330	100		
332	95.0	77.3	115.9
141	35.2	25.8	38.8

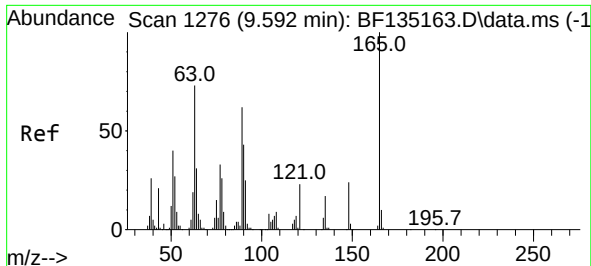


#45
 2-Fluorobiphenyl
 Concen: 87.344 ng
 RT: 9.104 min Scan# 1193
 Delta R.T. -0.006 min
 Lab File: BF135516.D
 Acq: 29 Sep 2023 15:12

Tgt Ion: 172 Resp: 1332495

Ion	Ratio	Lower	Upper
172	100		
171	35.3	28.4	42.6
170	23.7	19.0	28.4





#51

2,6-Dinitrotoluene

Concen: 38.624 ng

RT: 9.533 min Scan# 1358

Delta R.T. -0.053 min

Lab File: BF135516.D

Acq: 29 Sep 2023 15:12

Instrument :

BNA_F

ClientSampleId :

02

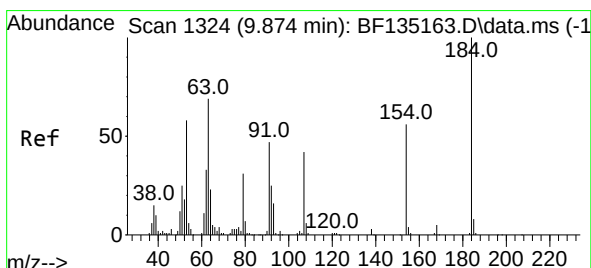
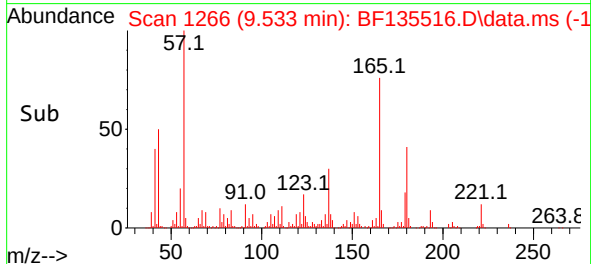
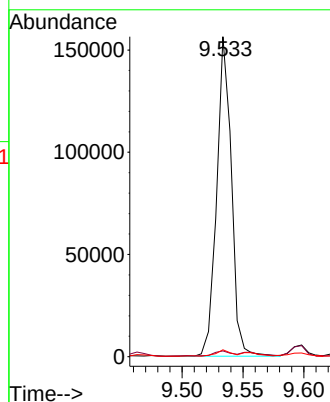
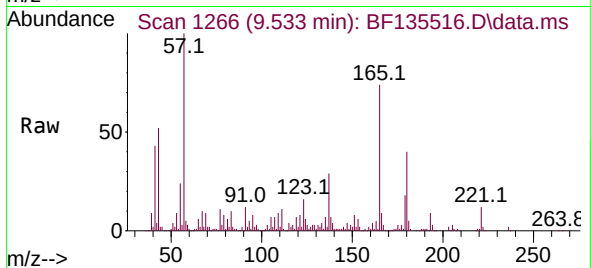
Tgt Ion:165 Resp: 131671

Ion Ratio Lower Upper

165 100

63 1.8 59.4 89.2#

89 2.2 49.8 74.8#



#54

2,4-Dinitrophenol

Concen: 6.509 ng

RT: 10.075 min Scan# 1358

Delta R.T. 0.206 min

Lab File: BF135516.D

Acq: 29 Sep 2023 15:12

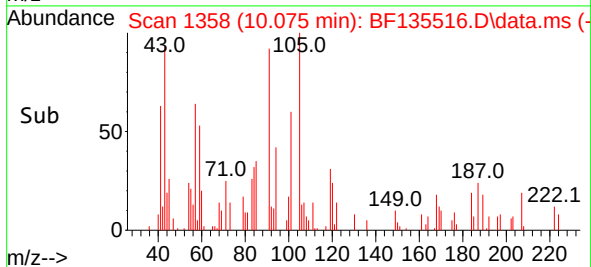
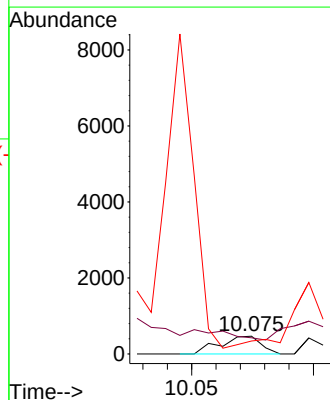
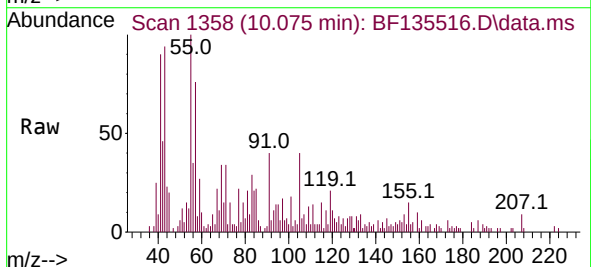
Tgt Ion:184 Resp: 549

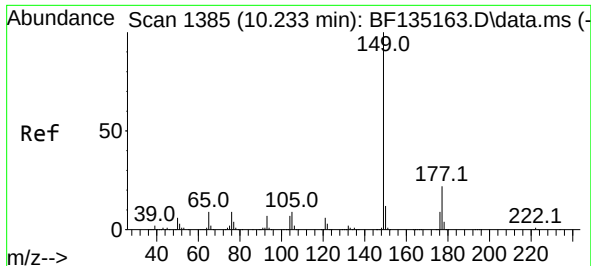
Ion Ratio Lower Upper

184 100

63 90.6 55.1 82.7#

154 73.0 48.4 72.6#

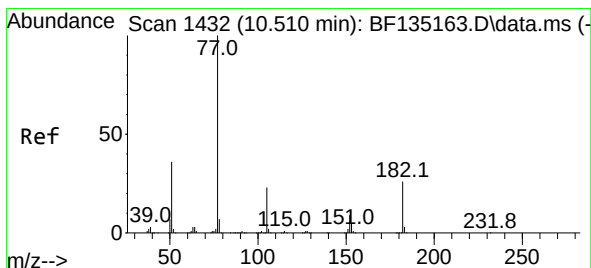
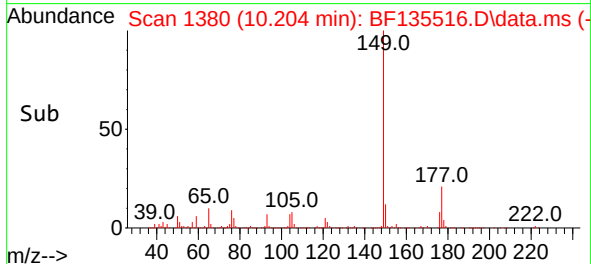
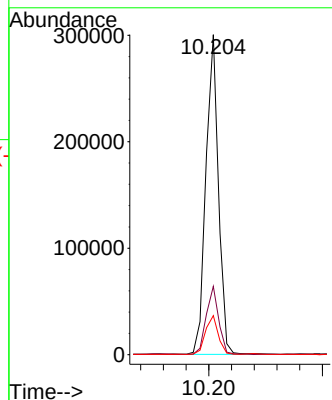
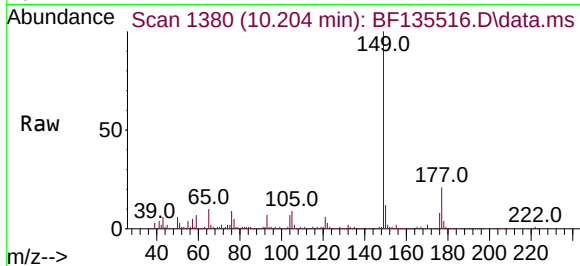




#60
Diethylphthalate
Concen: 14.702 ng
RT: 10.204 min Scan# 11
Delta R.T. -0.012 min
Lab File: BF135516.D
Acq: 29 Sep 2023 15:12

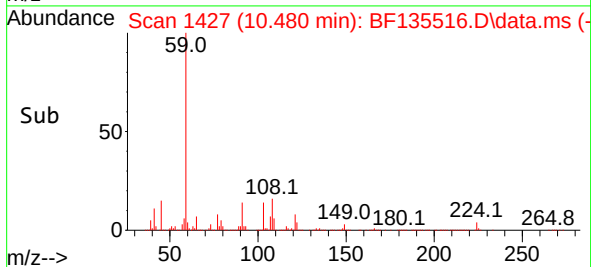
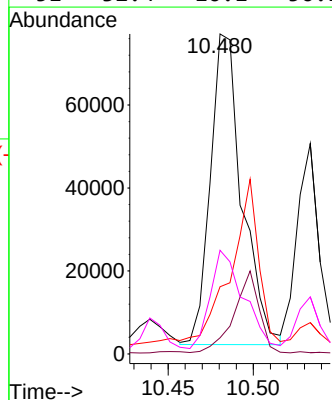
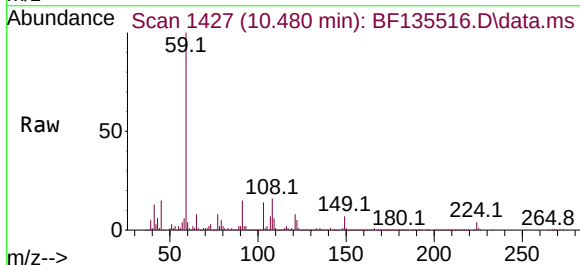
Instrument :
BNA_F
ClientSampleId :
02

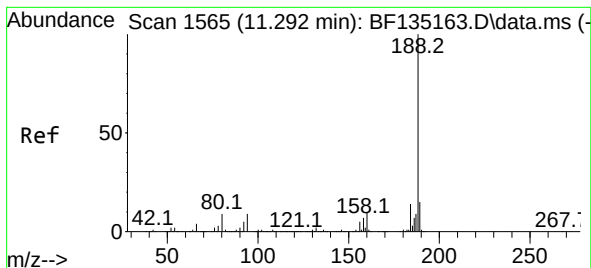
Tgt Ion:149 Resp: 229615
Ion Ratio Lower Upper
149 100
177 21.3 17.8 26.6
150 12.2 10.0 15.0



#63
Azobenzene
Concen: 6.343 ng
RT: 10.480 min Scan# 1427
Delta R.T. -0.012 min
Lab File: BF135516.D
Acq: 29 Sep 2023 15:12

Tgt Ion: 77 Resp: 96949
Ion Ratio Lower Upper
77 100
182 5.1 6.4 46.4#
105 21.0 3.1 43.1
51 32.4 16.1 56.1





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.275 min Scan# 1

Delta R.T. 0.000 min

Lab File: BF135516.D

Acq: 29 Sep 2023 15:12

Instrument :

BNA_F

ClientSampleId :

02

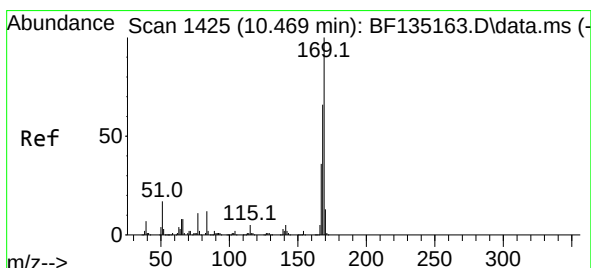
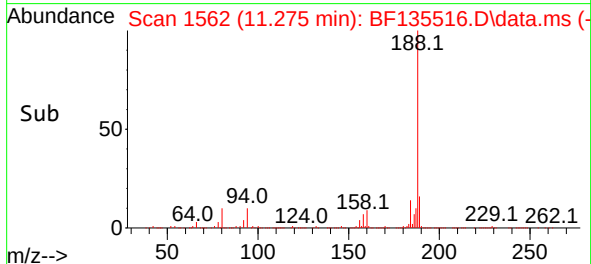
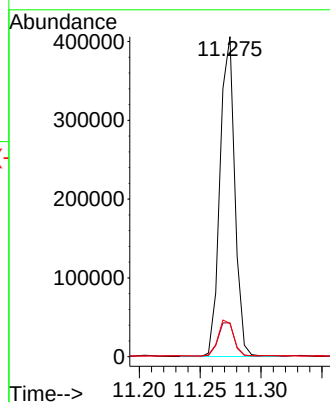
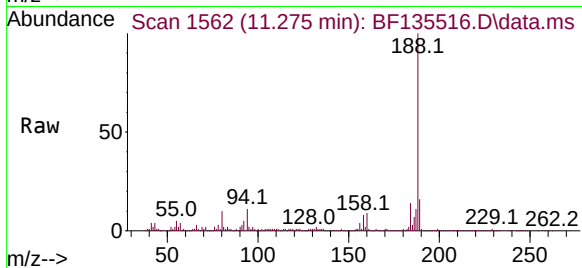
Tgt Ion:188 Resp: 345573

Ion Ratio Lower Upper

188 100

94 10.5 7.0 10.6

80 10.4 7.5 11.3



#66

n-Nitrosodiphenylamine

Concen: 3.843 ng

RT: 10.445 min Scan# 1421

Delta R.T. -0.006 min

Lab File: BF135516.D

Acq: 29 Sep 2023 15:12

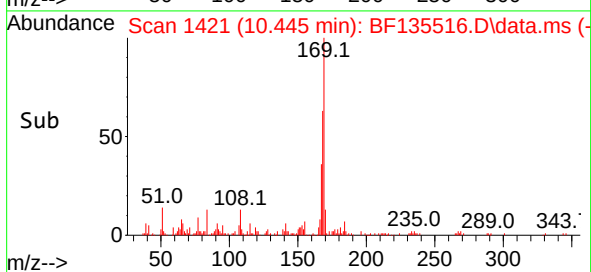
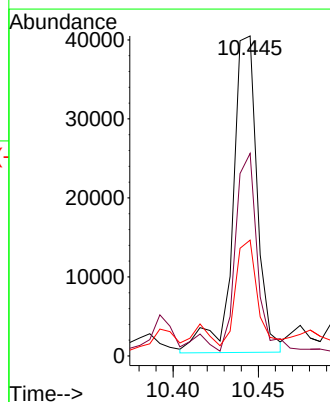
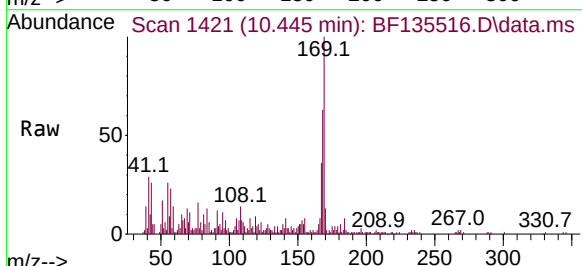
Tgt Ion:169 Resp: 40202

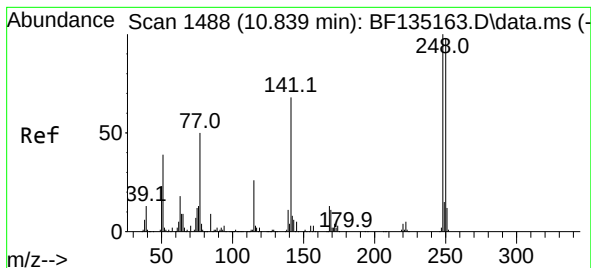
Ion Ratio Lower Upper

169 100

168 63.3 52.8 79.2

167 36.2 29.0 43.6

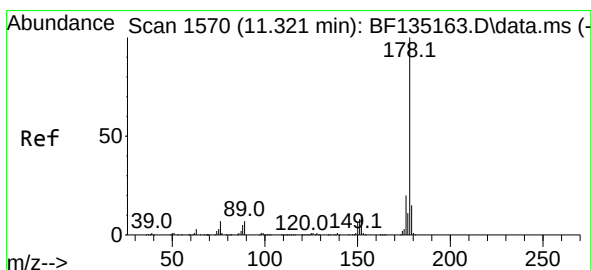
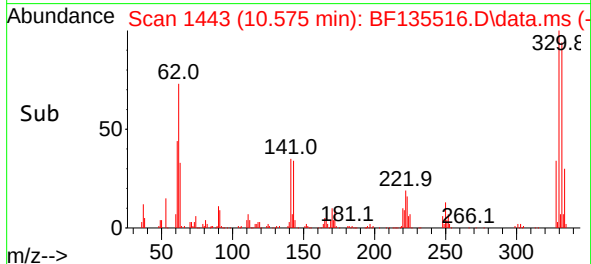
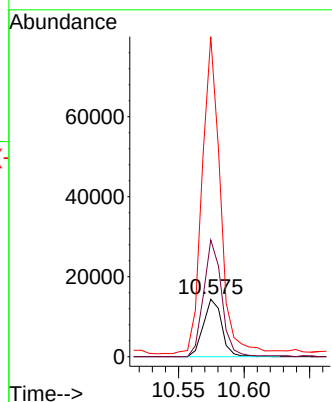
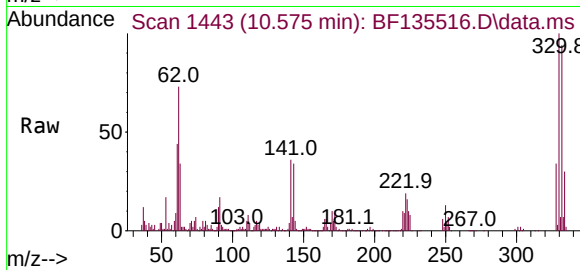




#67
4-Bromophenyl-phenylether
Concen: 4.099 ng
RT: 10.575 min Scan# 1488
Delta R.T. -0.247 min
Lab File: BF135516.D
Acq: 29 Sep 2023 15:12

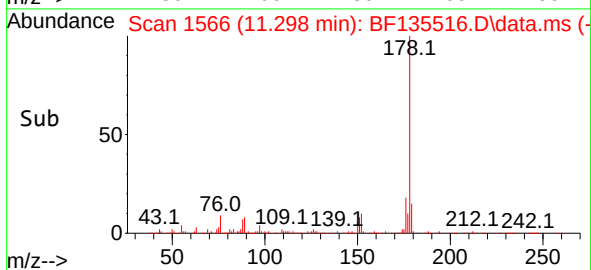
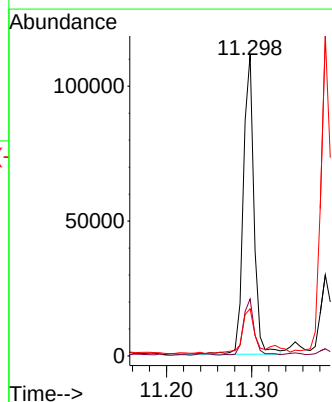
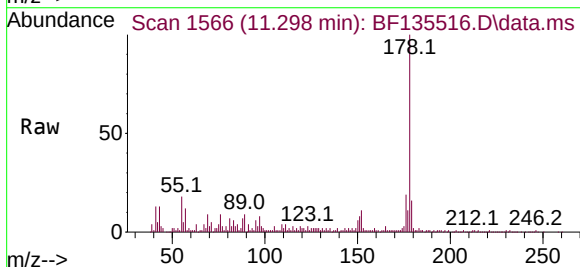
Instrument :
BNA_F
ClientSampleId :
02

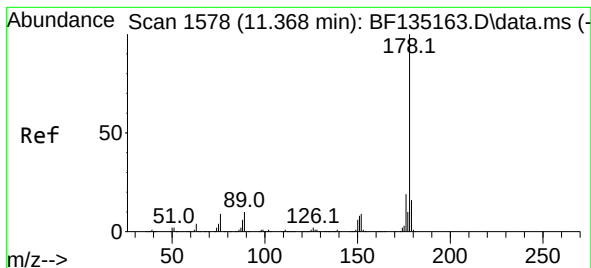
Tgt Ion:248 Resp: 14089
Ion Ratio Lower Upper
248 100
250 202.9 78.6 117.8#
141 556.3 54.2 81.2#



#71
Phenanthrene
Concen: 5.899 ng
RT: 11.298 min Scan# 1566
Delta R.T. -0.006 min
Lab File: BF135516.D
Acq: 29 Sep 2023 15:12

Tgt Ion:178 Resp: 96408
Ion Ratio Lower Upper
178 100
176 18.9 15.6 23.4
179 15.7 12.0 18.0





#72

Anthracene

Concen: 5.739 ng

RT: 11.298 min Scan# 11

Delta R.T. -0.059 min

Lab File: BF135516.D

Acq: 29 Sep 2023 15:12

Instrument :

BNA_F

ClientSampleId :

02

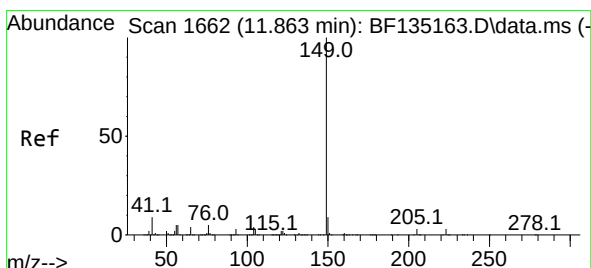
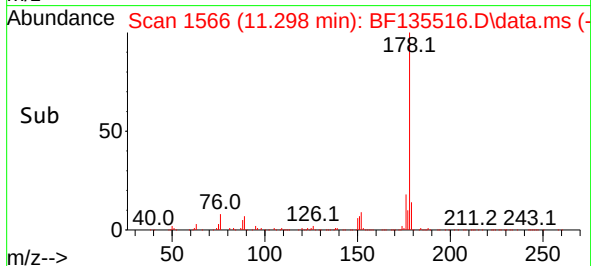
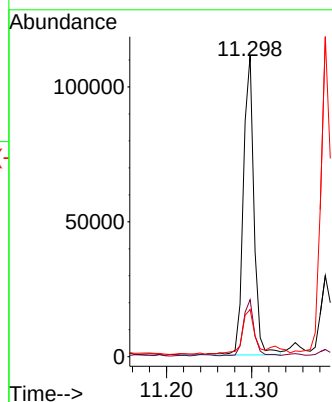
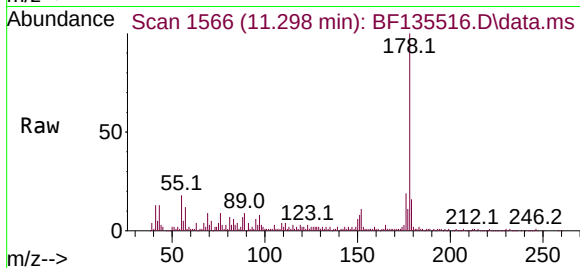
Tgt Ion:178 Resp: 96408

Ion Ratio Lower Upper

178 100

176 18.9 15.4 23.2

179 15.7 12.6 19.0



#74

Di-n-butylphthalate

Concen: 38.247 ng

RT: 11.845 min Scan# 1659

Delta R.T. 0.000 min

Lab File: BF135516.D

Acq: 29 Sep 2023 15:12

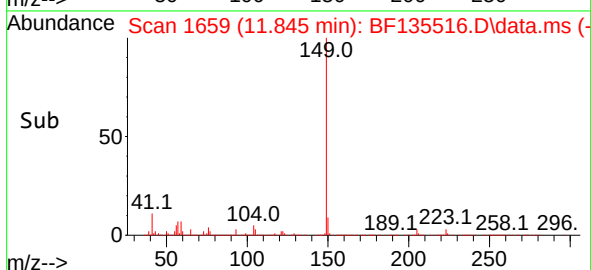
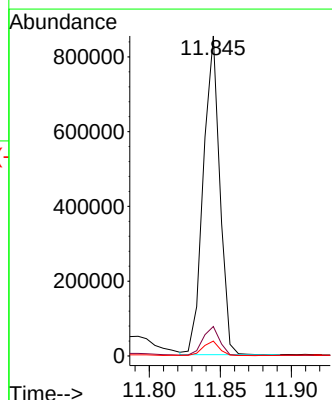
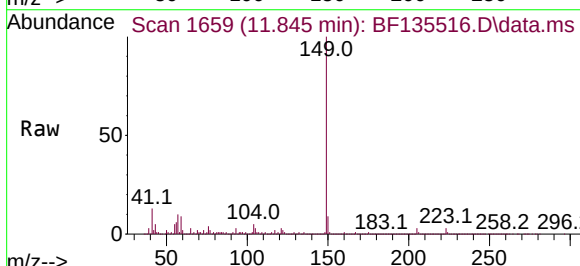
Tgt Ion:149 Resp: 689242

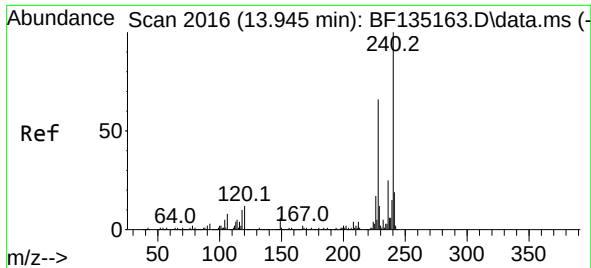
Ion Ratio Lower Upper

149 100

150 9.2 7.4 11.0

104 4.6 3.6 5.4

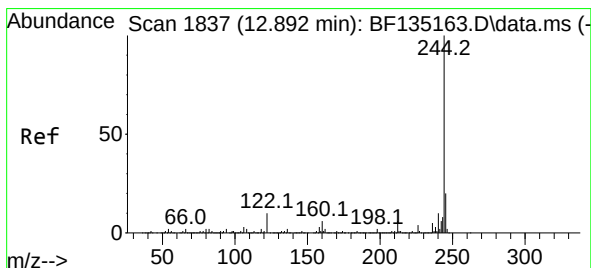
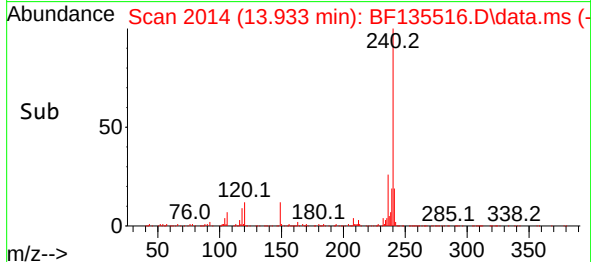
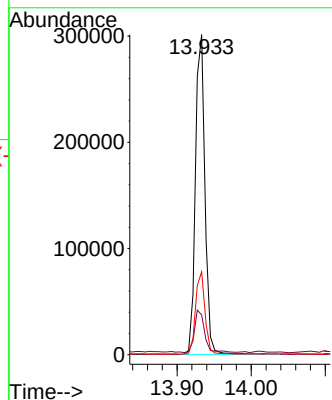
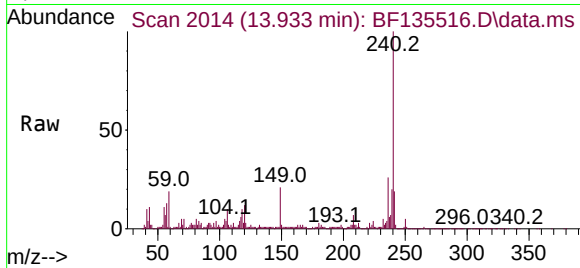




#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.933 min Scan# 2016
Delta R.T. 0.000 min
Lab File: BF135516.D
Acq: 29 Sep 2023 15:12

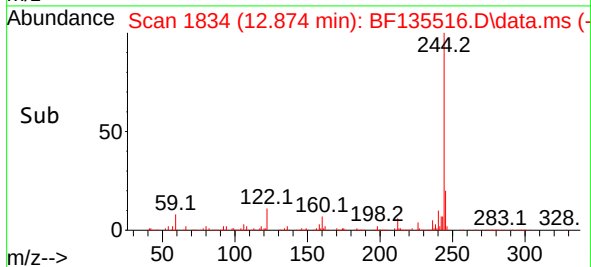
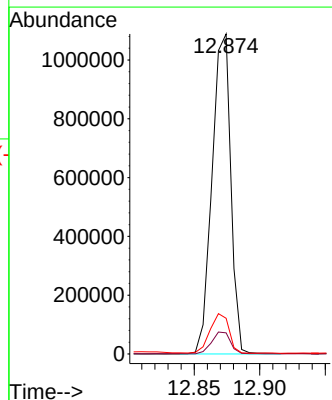
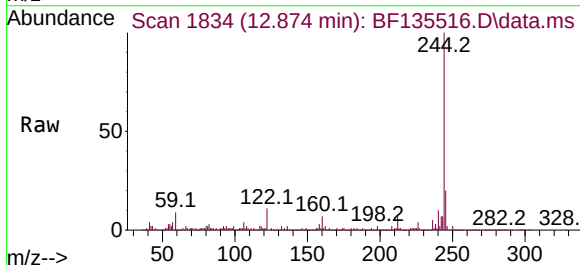
Instrument :
BNA_F
ClientSampleId :
02

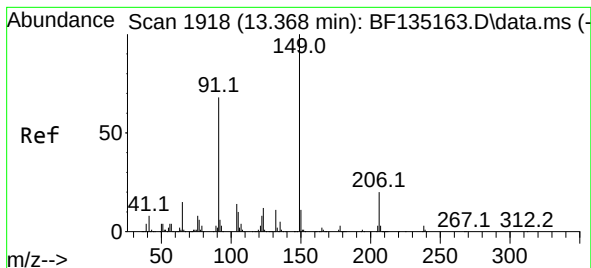
Tgt Ion:240 Resp: 268230
Ion Ratio Lower Upper
240 100
120 12.4 9.4 14.2
236 25.9 19.8 29.8



#79
Terphenyl-d14
Concen: 62.536 ng
RT: 12.874 min Scan# 1834
Delta R.T. 0.000 min
Lab File: BF135516.D
Acq: 29 Sep 2023 15:12

Tgt Ion:244 Resp: 1082059
Ion Ratio Lower Upper
244 100
212 6.6 5.1 7.7
122 11.2 7.9 11.9





#80

Butylbenzylphthalate

Concen: 41.857 ng

RT: 13.351 min Scan# 1918

Delta R.T. 0.000 min

Lab File: BF135516.D

Acq: 29 Sep 2023 15:12

Instrument :

BNA_F

ClientSampleId :

02

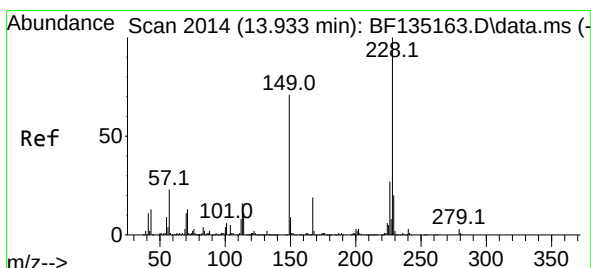
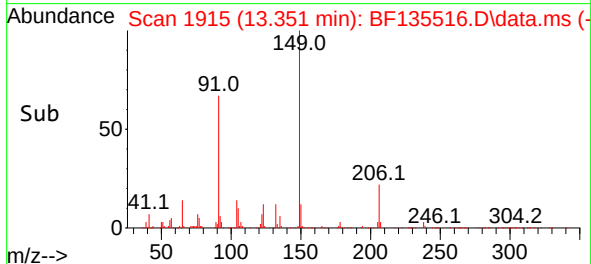
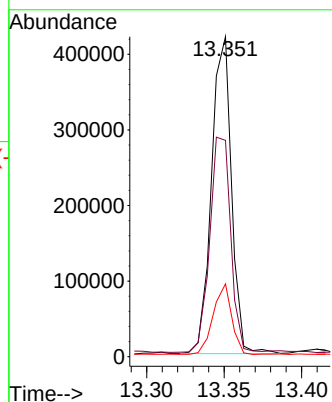
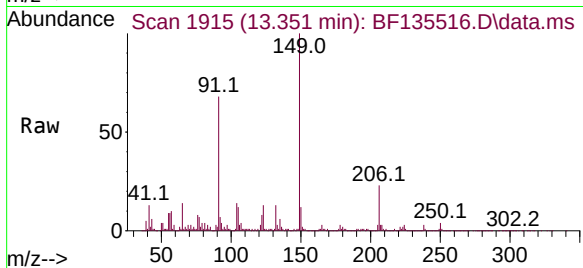
Tgt Ion:149 Resp: 376348

Ion Ratio Lower Upper

149 100

91 67.6 54.7 82.1

206 22.8 16.3 24.5



#84

Bis(2-ethylhexyl)phthalate

Concen: 168.034 ng

RT: 13.916 min Scan# 2011

Delta R.T. 0.006 min

Lab File: BF135516.D

Acq: 29 Sep 2023 15:12

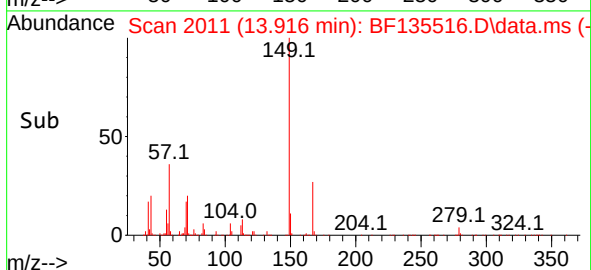
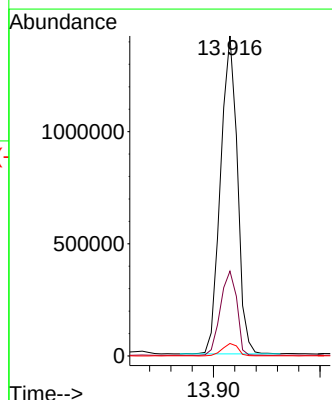
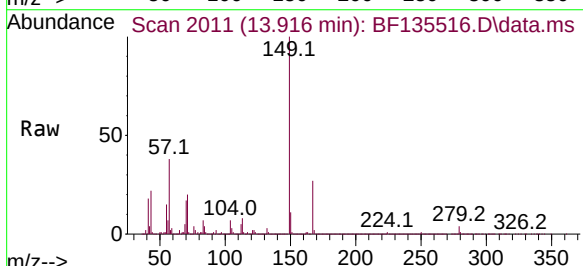
Tgt Ion:149 Resp: 1550401

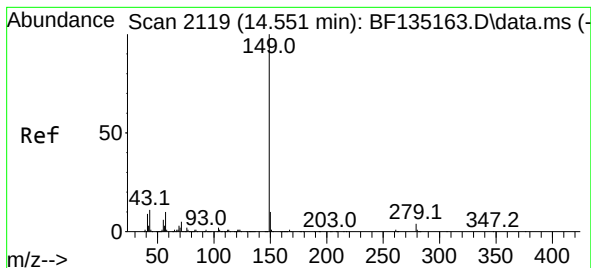
Ion Ratio Lower Upper

149 100

167 26.5 21.9 32.9

279 3.9 3.3 4.9





#85

Di-n-octyl phthalate

Concen: 32.576 ng

RT: 14.527 min Scan# 2115

Delta R.T. 0.000 min

Lab File: BF135516.D

Acq: 29 Sep 2023 15:12

Instrument :

BNA_F

ClientSampleId :

02

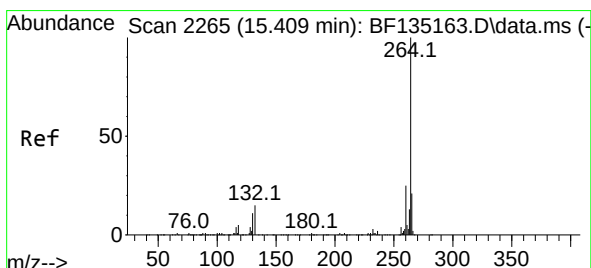
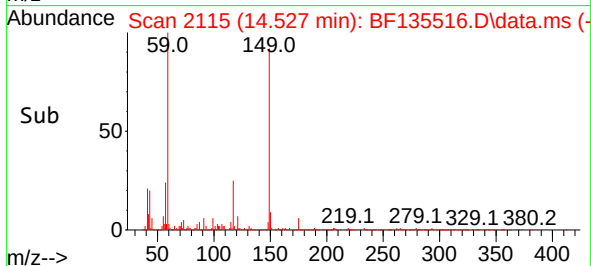
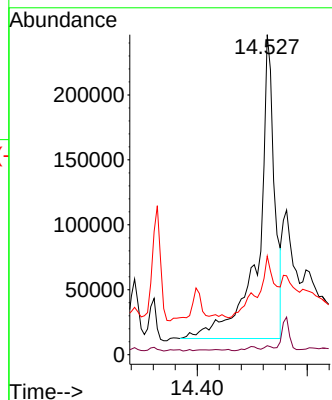
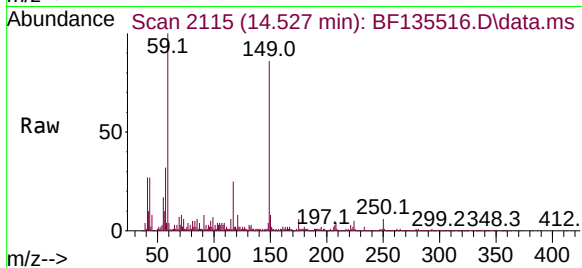
Tgt Ion:149 Resp: 477662

Ion Ratio Lower Upper

149 100

167 0.7 1.1 1.7#

43 9.7 9.8 14.6#



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.398 min Scan# 2263

Delta R.T. 0.006 min

Lab File: BF135516.D

Acq: 29 Sep 2023 15:12

Tgt Ion:264 Resp: 271868

Ion Ratio Lower Upper

264 100

260 23.8 19.8 29.6

265 21.1 17.0 25.4

