

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF102623\
 Data File : BF135968.D
 Acq On : 26 Oct 2023 17:42
 Operator : CG\JU
 Sample : 04685-01RE
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 PP-20230928-B4A-0-7.5

Quant Time: Oct 26 18:09:38 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF102523.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Oct 26 03:58:01 2023
 Response via : Initial Calibration

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

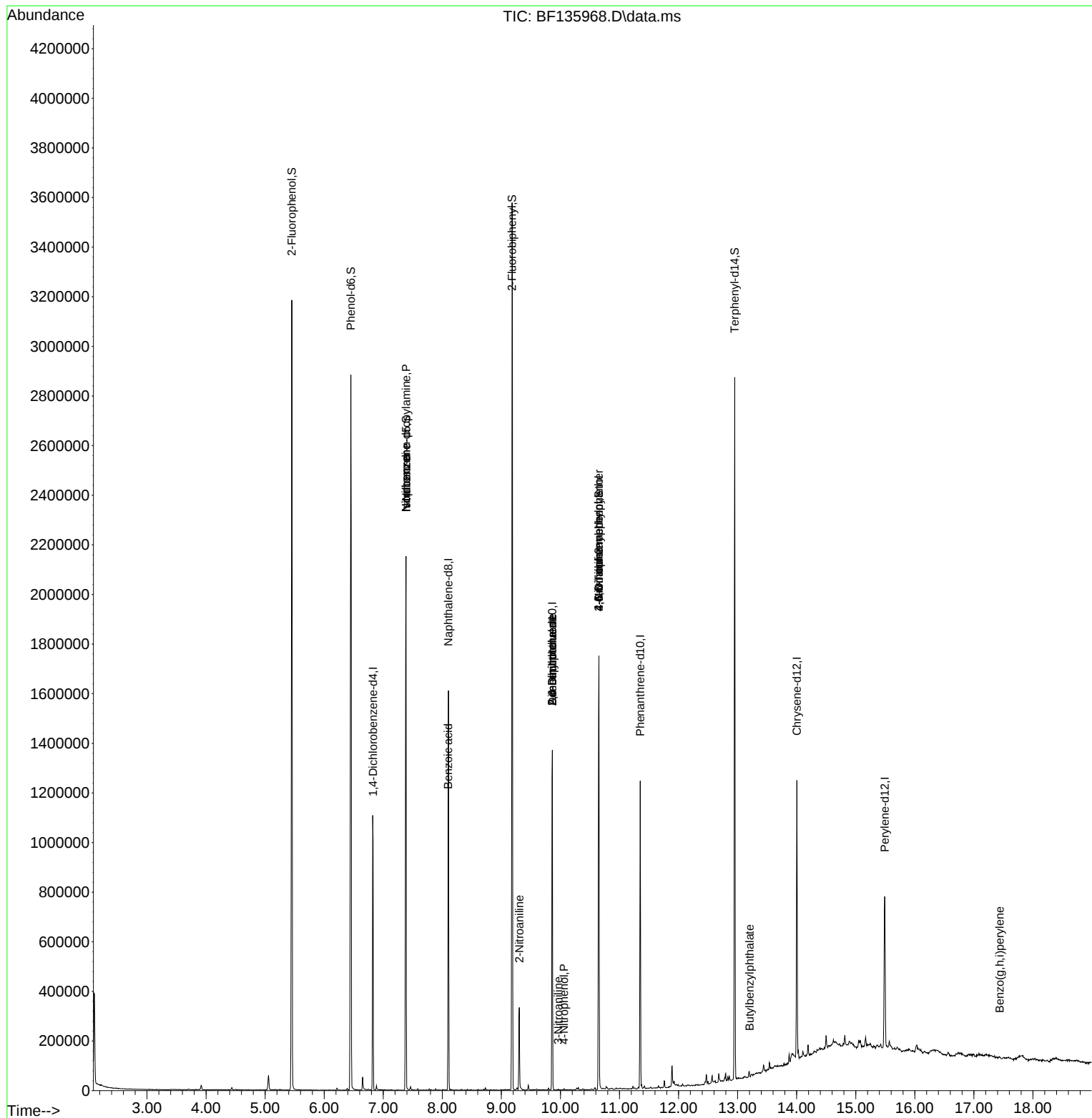
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.828	152	158876	20.000	ng	0.00
21) Naphthalene-d8	8.104	136	600293	20.000	ng	0.00
39) Acenaphthene-d10	9.863	164	269521	20.000	ng	0.00
64) Phenanthrene-d10	11.351	188	400314	20.000	ng	0.00
76) Chrysene-d12	14.004	240	344746	20.000	ng	0.00
86) Perylene-d12	15.492	264	286053	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.451	112	896310	87.115	ng	0.00
7) Phenol-d6	6.451	99	1115833	87.112	ng	0.00
23) Nitrobenzene-d5	7.386	82	614680	68.298	ng	0.00
42) 2,4,6-Tribromophenol	10.651	330	205027	86.909	ng	0.00
45) 2-Fluorobiphenyl	9.180	172	1068484	63.480	ng	0.00
79) Terphenyl-d14	12.951	244	921370	44.653	ng	0.00
Target Compounds						Qvalue
19) n-Nitroso-di-n-propyla...	7.386	70	80893	11.106	ng	# 76
24) Nitrobenzene	7.386	77	1820	2.755	ng	# 28
25) Isophorone	7.386	82	614673	32.394	ng	# 64
32) Benzoic acid	8.098	122	118	5.756	ng	# 1
48) 2-Nitroaniline	9.304	65	3068	4.998	ng	# 15
50) Dimethylphthalate	9.863	163	54804	3.136	ng	# 1
51) 2,6-Dinitrotoluene	9.863	165	34501	13.419	ng	# 21
53) 3-Nitroaniline	9.963	138	217	4.607	ng	# 1
56) 4-Nitrophenol	10.063	139	72	6.203	ng	# 11
57) 2,4-Dinitrotoluene	9.863	165	34501	12.586	ng	# 26
62) 4-Nitroaniline	10.651	138	67	4.663	ng	# 1
65) 4,6-Dinitro-2-methylph...	10.651	198	447	7.356	ng	# 11
67) 4-Bromophenyl-phenylether	10.651	248	12866	3.138	ng	# 1
80) Butylbenzylphthalate	13.204	149	224	3.846	ng	93
92) Benzo(g,h,i)perylene	17.439	276	3401	3.956	ng	# 86

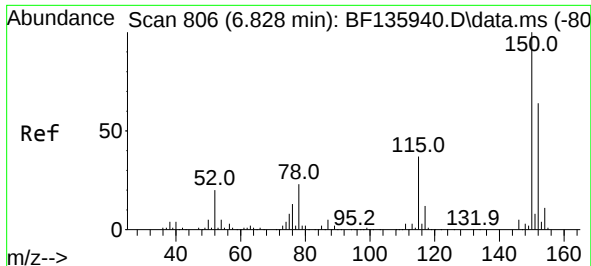
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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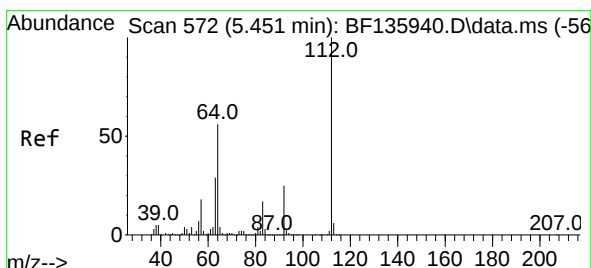
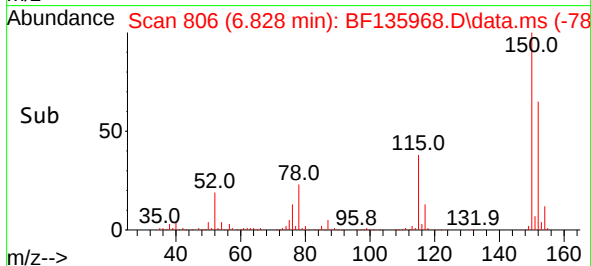
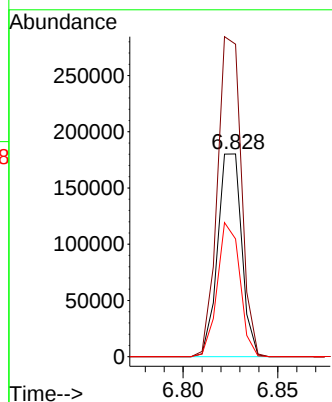
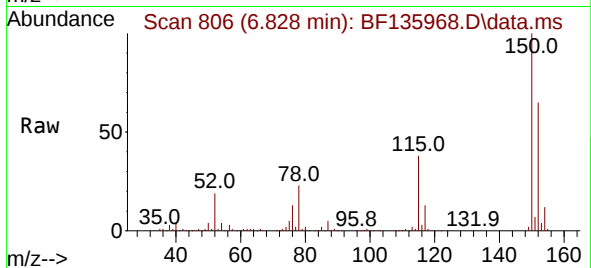




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.828 min Scan# 806
Delta R.T. -0.000 min
Lab File: BF135968.D
Acq: 26 Oct 2023 17:42

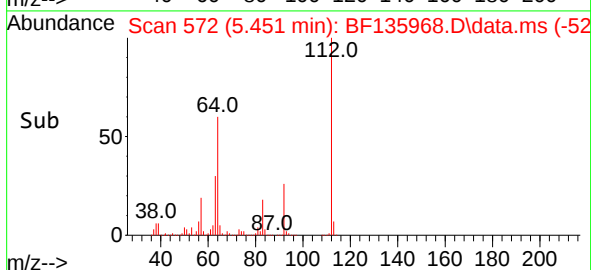
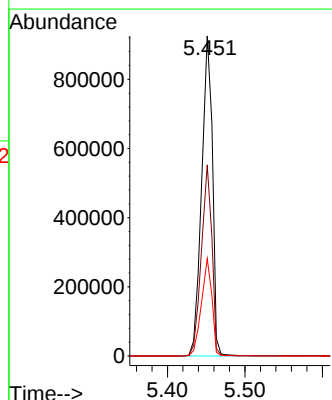
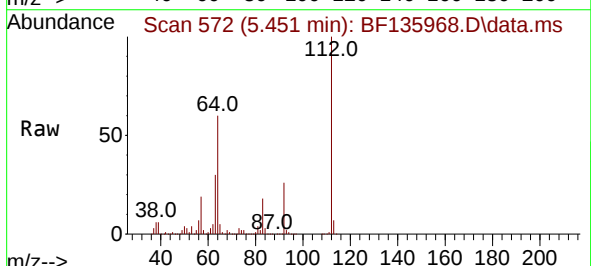
Instrument :
BNA_F
ClientSampleId :
PP-20230928-B4A-0-7.5

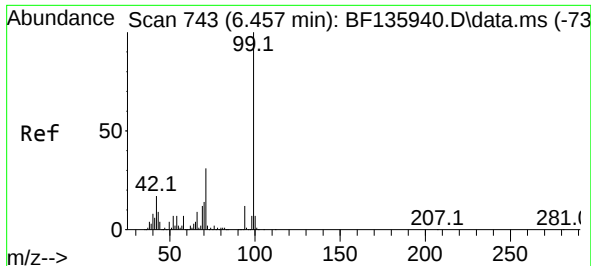
Tgt Ion:152 Resp: 158876
Ion Ratio Lower Upper
152 100
150 154.1 124.6 186.8
115 58.1 46.6 69.8



#5
2-Fluorophenol
Concen: 87.115 ng
RT: 5.451 min Scan# 572
Delta R.T. 0.000 min
Lab File: BF135968.D
Acq: 26 Oct 2023 17:42

Tgt Ion:112 Resp: 896310
Ion Ratio Lower Upper
112 100
64 59.7 45.1 67.7
63 30.5 23.0 34.4

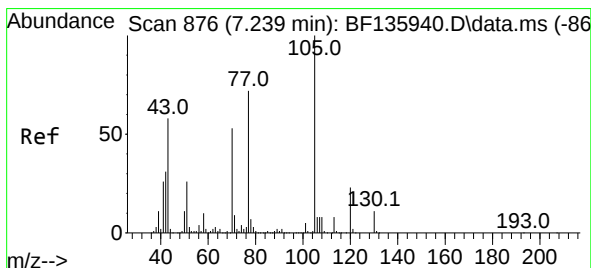
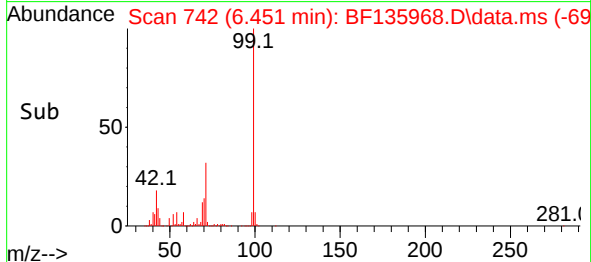
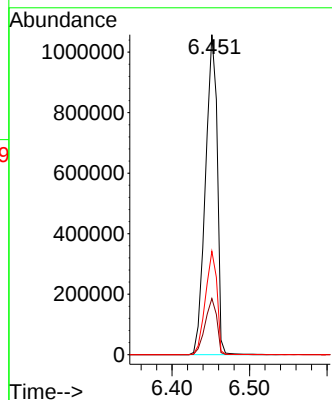
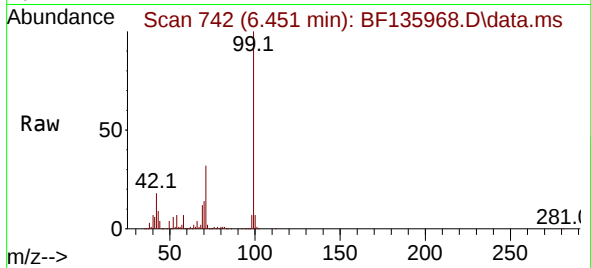




#7
Phenol-d6
Concen: 87.112 ng
RT: 6.451 min Scan# 74
Delta R.T. -0.006 min
Lab File: BF135968.D
Acq: 26 Oct 2023 17:42

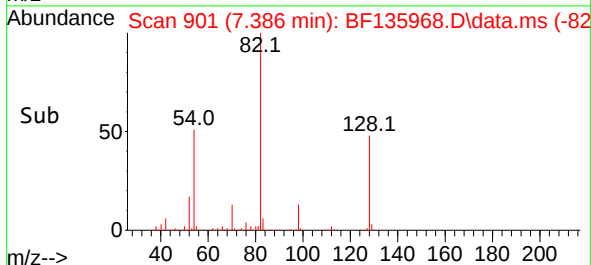
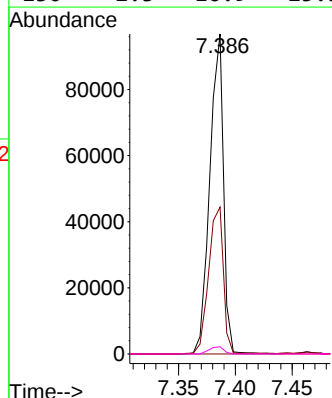
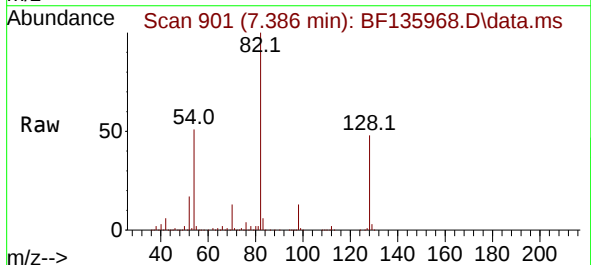
Instrument :
BNA_F
ClientSampleId :
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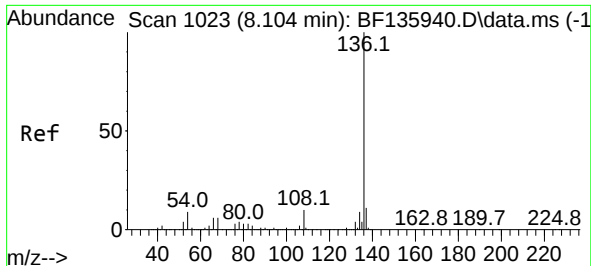
Tgt Ion: 99 Resp: 1115833
Ion Ratio Lower Upper
99 100
42 17.6 13.8 20.8
71 32.3 25.1 37.7



#19
n-Nitroso-di-n-propylamine
Concen: 11.106 ng
RT: 7.386 min Scan# 901
Delta R.T. 0.147 min
Lab File: BF135968.D
Acq: 26 Oct 2023 17:42

Tgt Ion: 70 Resp: 80893
Ion Ratio Lower Upper
70 100
42 45.9 47.3 70.9#
101 0.0 7.8 11.8#
130 2.3 16.9 25.3#

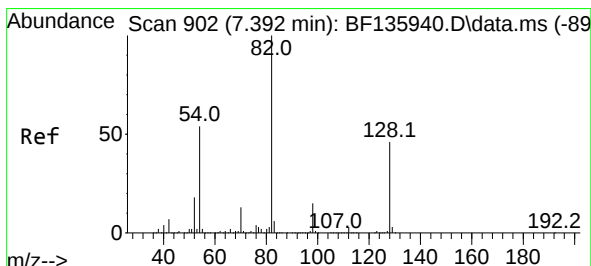
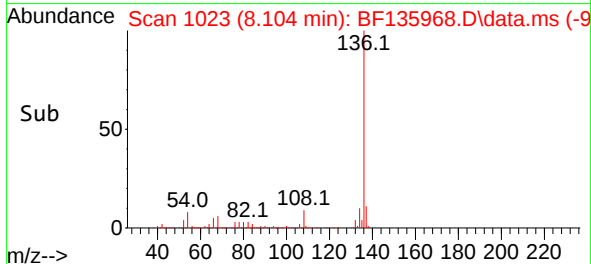
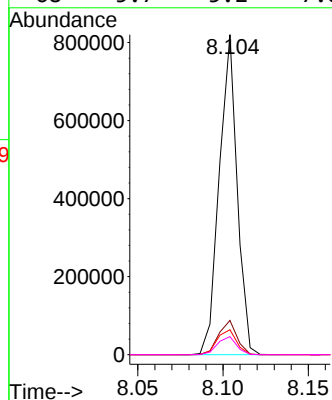
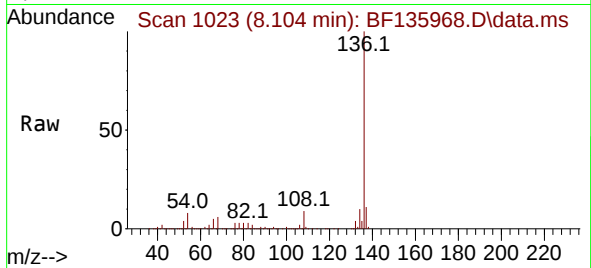




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.104 min Scan# 1023
Delta R.T. 0.000 min
Lab File: BF135968.D
Acq: 26 Oct 2023 17:42

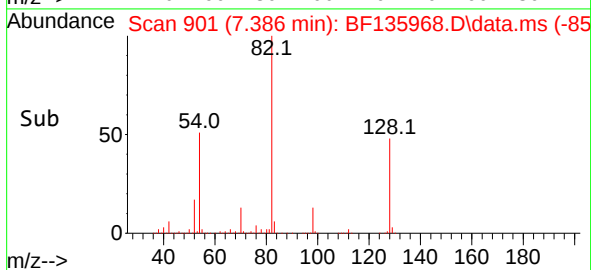
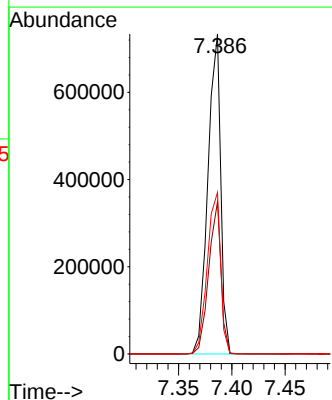
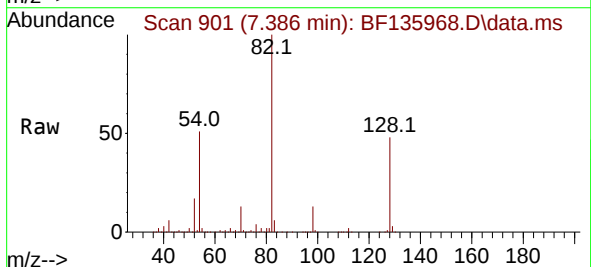
Instrument :
BNA_F
ClientSampleId :
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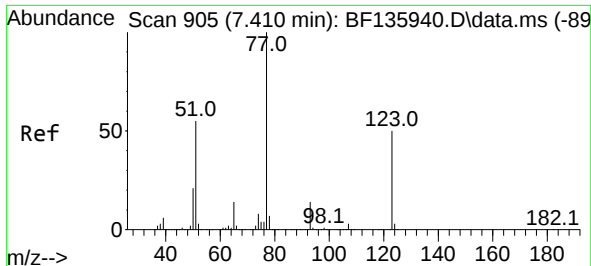
Tgt Ion:136	Resp: 600293
Ion Ratio	Lower Upper
136 100	
137 10.7	9.0 13.6
54 7.8	7.1 10.7
68 5.7	5.2 7.8



#23
Nitrobenzene-d5
Concen: 68.298 ng
RT: 7.386 min Scan# 901
Delta R.T. -0.006 min
Lab File: BF135968.D
Acq: 26 Oct 2023 17:42

Tgt Ion: 82	Resp: 614680
Ion Ratio	Lower Upper
82 100	
128 47.5	36.8 55.2
54 50.5	43.4 65.0

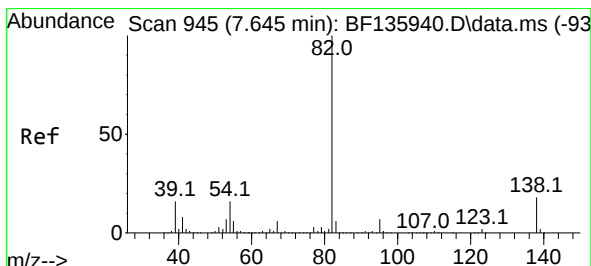
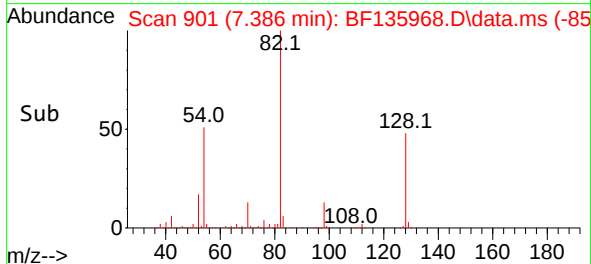
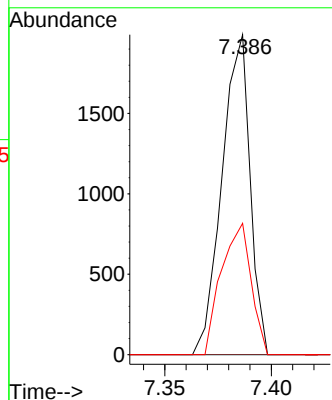
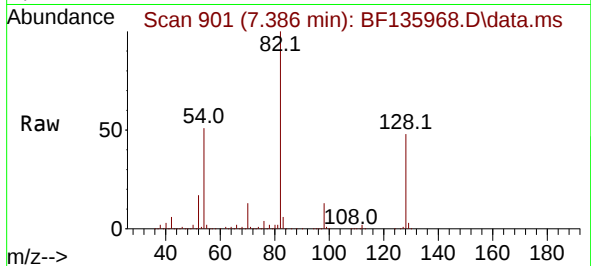




#24
Nitrobenzene
Concen: 2.755 ng
RT: 7.386 min Scan# 901
Delta R.T. -0.024 min
Lab File: BF135968.D
Acq: 26 Oct 2023 17:42

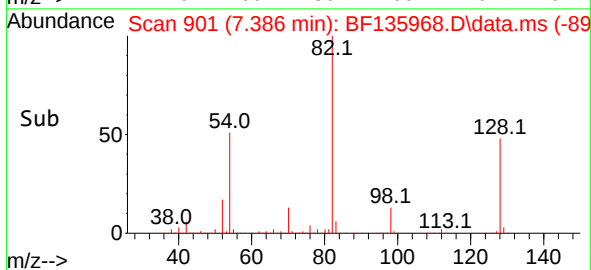
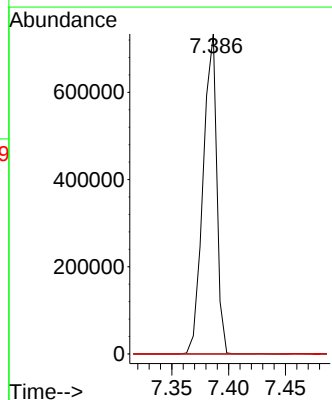
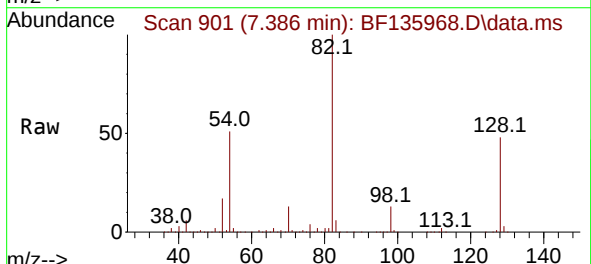
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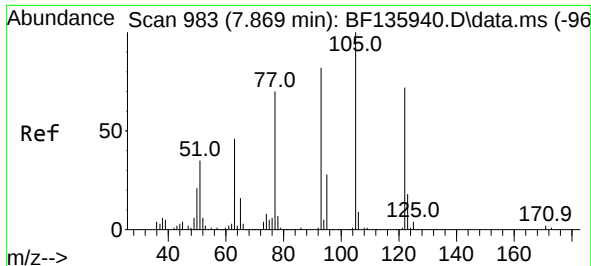
Tgt Ion: 77 Resp: 1820
Ion Ratio Lower Upper
77 100
123 0.0 40.2 60.2#
65 41.1 11.0 16.4#



#25
Isophorone
Concen: 32.394 ng
RT: 7.386 min Scan# 901
Delta R.T. -0.259 min
Lab File: BF135968.D
Acq: 26 Oct 2023 17:42

Tgt Ion: 82 Resp: 614673
Ion Ratio Lower Upper
82 100
95 0.0 5.6 8.4#
138 0.0 14.8 22.2#

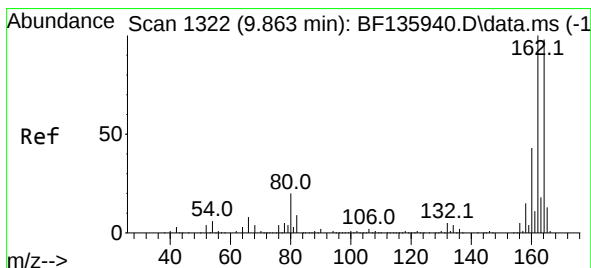
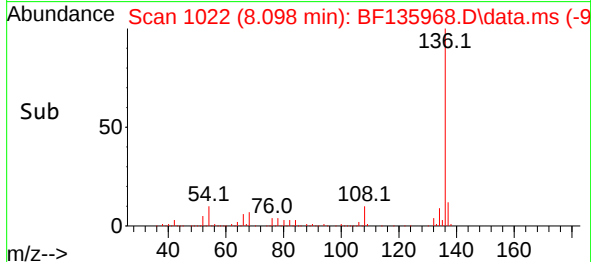
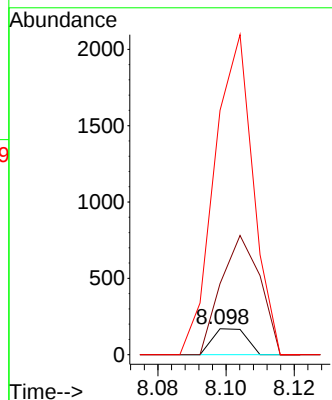
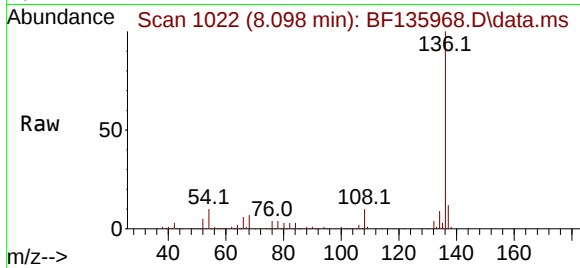




#32
Benzoic acid
Concen: 5.756 ng
RT: 8.098 min Scan# 1022
Delta R.T. 0.229 min
Lab File: BF135968.D
Acq: 26 Oct 2023 17:42

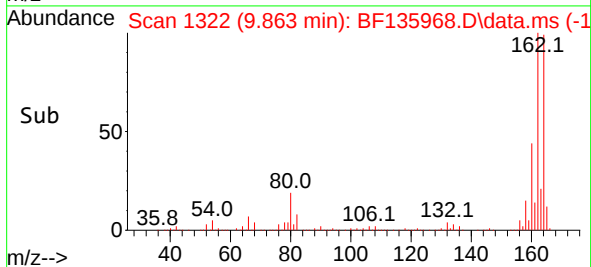
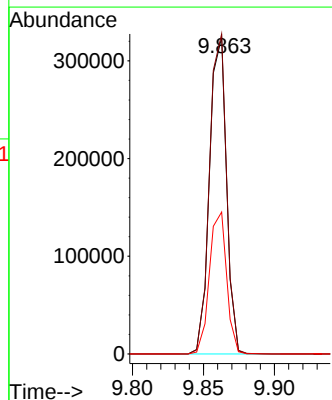
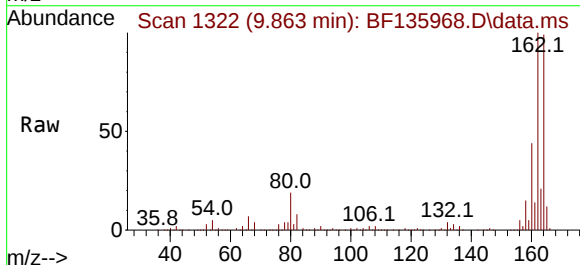
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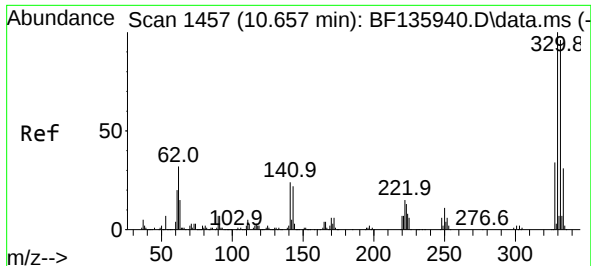
Tgt Ion:122 Resp: 118
Ion Ratio Lower Upper
122 100
105 273.5 113.1 153.1#
77 941.2 75.2 115.2#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.863 min Scan# 1322
Delta R.T. -0.000 min
Lab File: BF135968.D
Acq: 26 Oct 2023 17:42

Tgt Ion:164 Resp: 269521
Ion Ratio Lower Upper
164 100
162 101.0 82.0 123.0
160 44.8 35.6 53.4





#42

2,4,6-Tribromophenol

Concen: 86.909 ng

RT: 10.651 min Scan# 1457

Delta R.T. -0.006 min

Lab File: BF135968.D

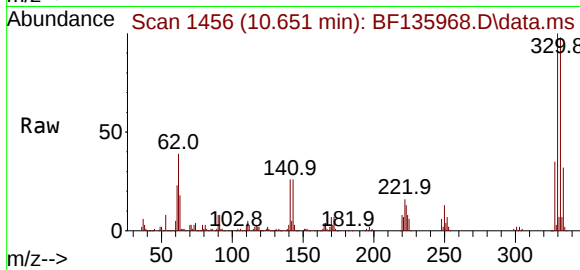
Acq: 26 Oct 2023 17:42

Instrument :

BNA_F

ClientSampleId :

PP-20230928-B4A-0-7.5



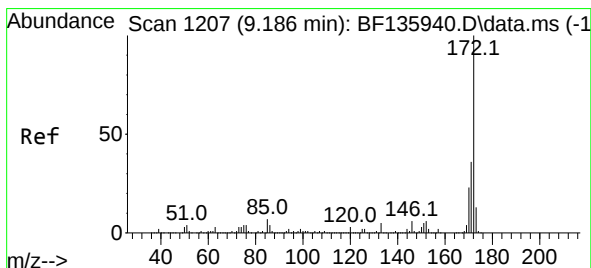
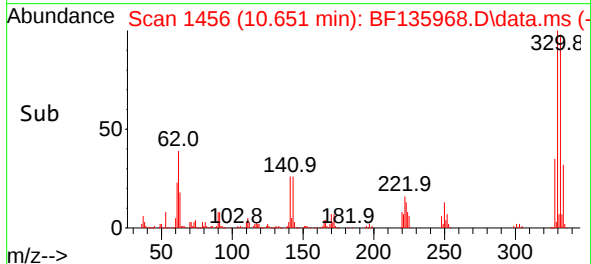
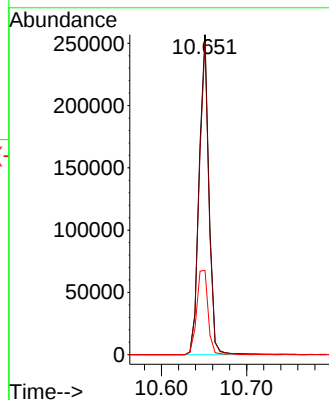
Tgt Ion:330 Resp: 205027

Ion Ratio Lower Upper

330 100

332 96.9 77.4 116.2

141 30.6 24.9 37.3



#45

2-Fluorobiphenyl

Concen: 63.480 ng

RT: 9.180 min Scan# 1206

Delta R.T. -0.006 min

Lab File: BF135968.D

Acq: 26 Oct 2023 17:42

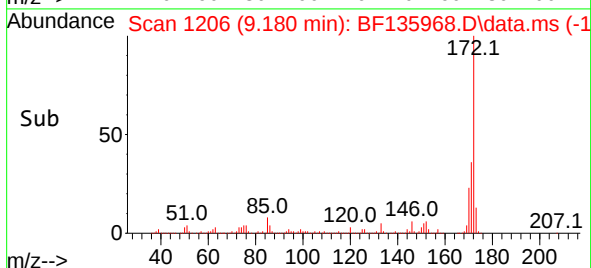
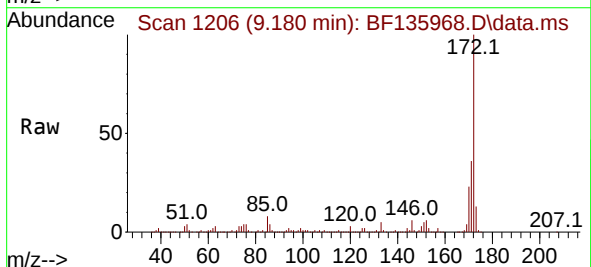
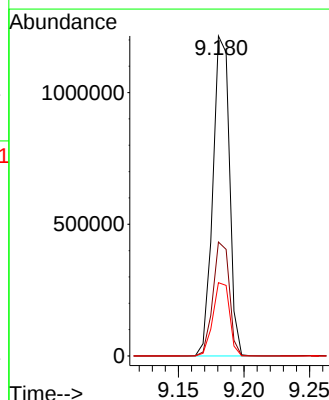
Tgt Ion:172 Resp: 1068484

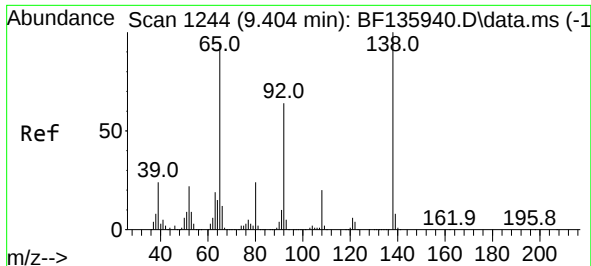
Ion Ratio Lower Upper

172 100

171 35.6 28.6 43.0

170 22.9 18.6 28.0





#48

2-Nitroaniline

Concen: 4.998 ng

RT: 9.304 min Scan# 11

Delta R.T. -0.100 min

Lab File: BF135968.D

Acq: 26 Oct 2023 17:42

Instrument :

BNA_F

ClientSampleId :

PP-20230928-B4A-0-7.5

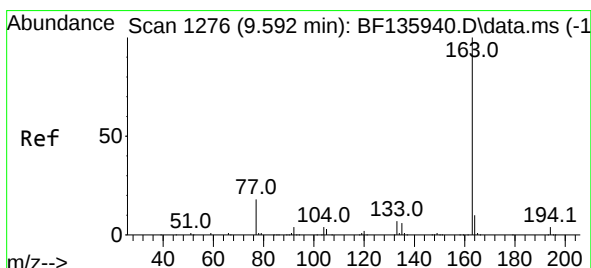
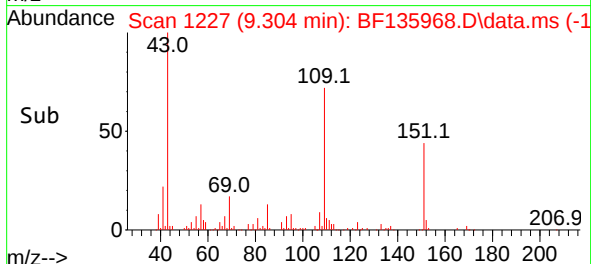
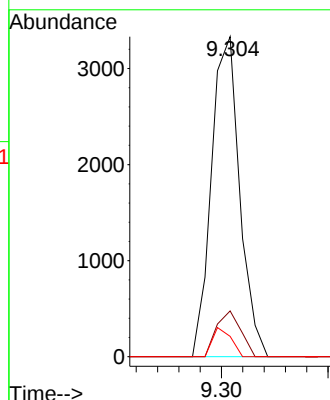
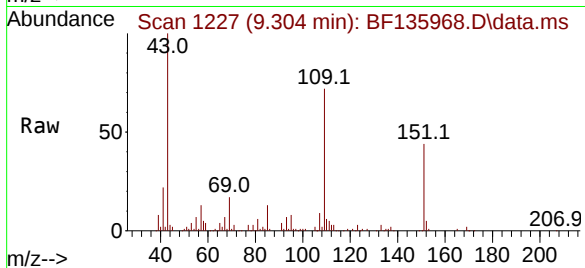
Tgt Ion: 65 Resp: 3068

Ion Ratio Lower Upper

65 100

92 14.3 54.9 82.3#

138 6.4 85.2 127.8#



#50

Dimethylphthalate

Concen: 3.136 ng

RT: 9.863 min Scan# 1322

Delta R.T. 0.271 min

Lab File: BF135968.D

Acq: 26 Oct 2023 17:42

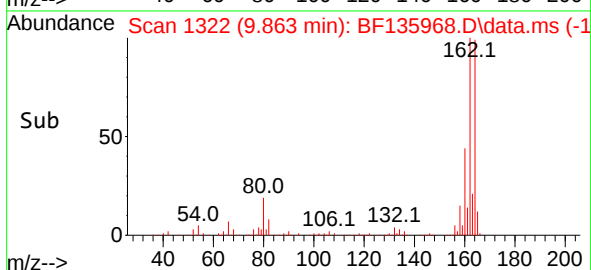
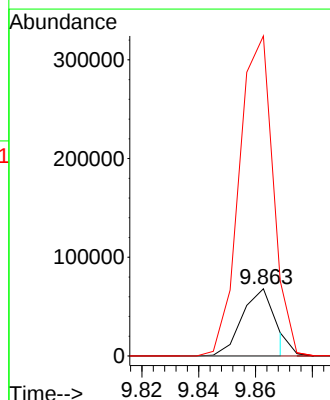
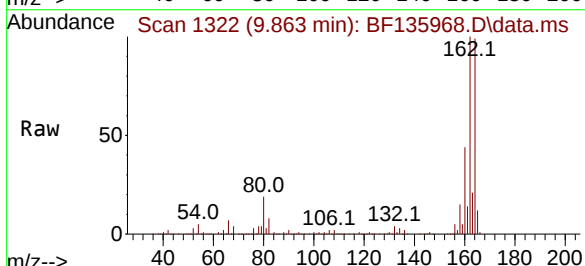
Tgt Ion:163 Resp: 54804

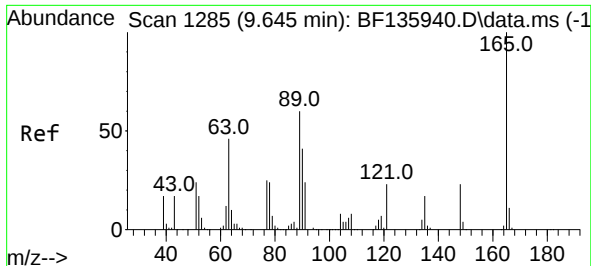
Ion Ratio Lower Upper

163 100

194 0.0 3.4 5.0#

164 476.4 8.3 12.5#

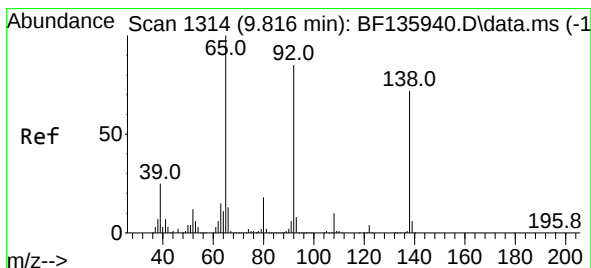
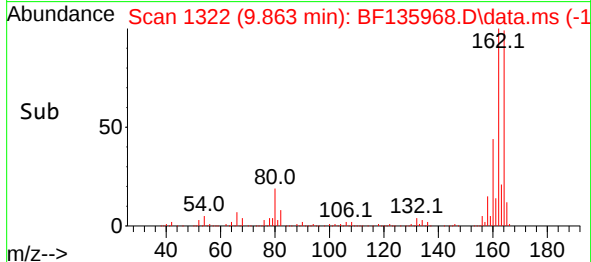
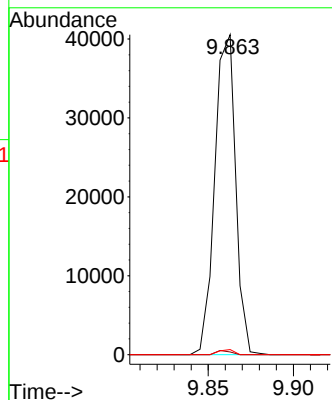
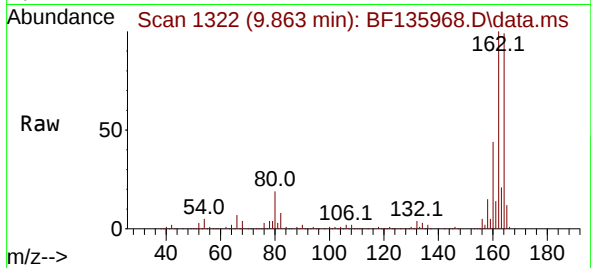




#51
2,6-Dinitrotoluene
Concen: 13.419 ng
RT: 9.863 min Scan# 11
Delta R.T. 0.218 min
Lab File: BF135968.D
Acq: 26 Oct 2023 17:42

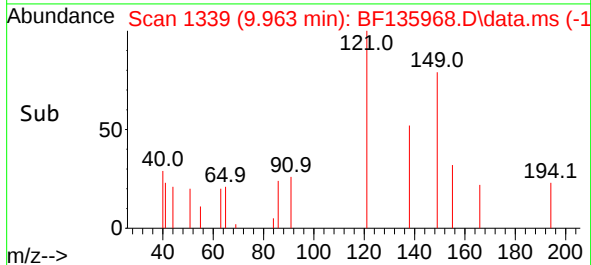
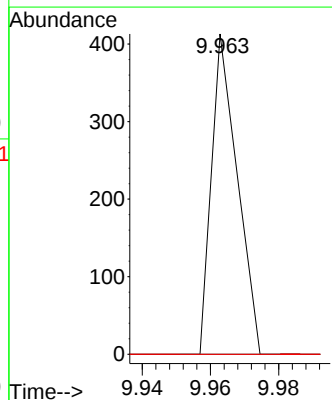
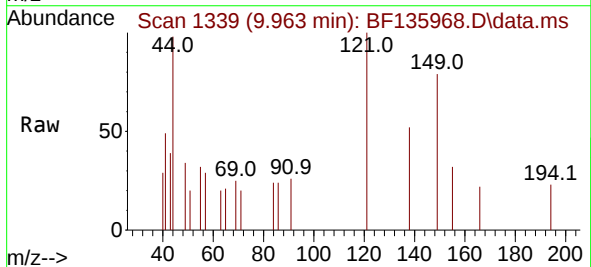
Instrument :
BNA_F
ClientSampleId :
PP-20230928-B4A-0-7.5

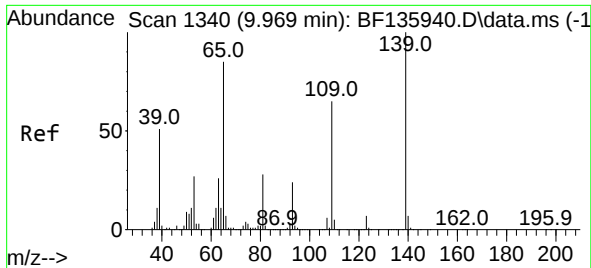
Tgt Ion:165 Resp: 34501
Ion Ratio Lower Upper
165 100
63 0.8 51.7 77.5#
89 1.6 48.3 72.5#



#53
3-Nitroaniline
Concen: 4.607 ng
RT: 9.963 min Scan# 1339
Delta R.T. 0.147 min
Lab File: BF135968.D
Acq: 26 Oct 2023 17:42

Tgt Ion:138 Resp: 217
Ion Ratio Lower Upper
138 100
108 0.0 11.3 16.9#
92 0.0 95.0 142.6#

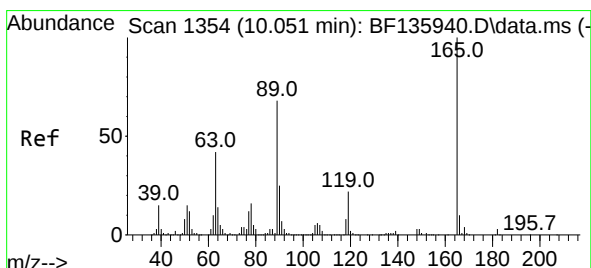
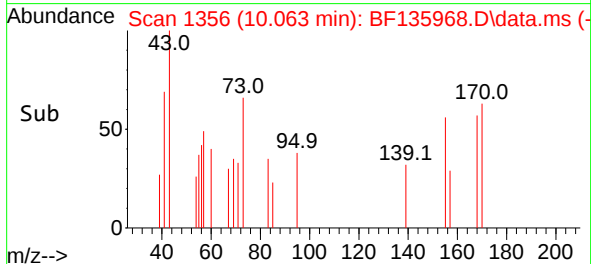
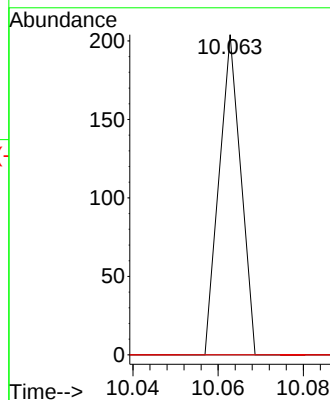
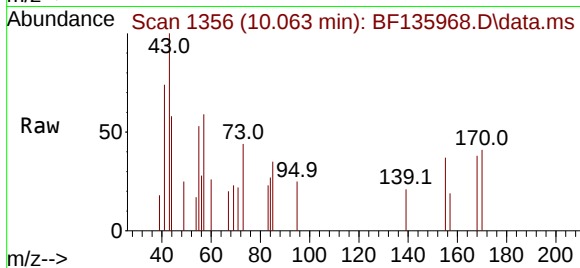




#56
4-Nitrophenol
Concen: 6.203 ng
RT: 10.063 min Scan# 11
Delta R.T. 0.094 min
Lab File: BF135968.D
Acq: 26 Oct 2023 17:42

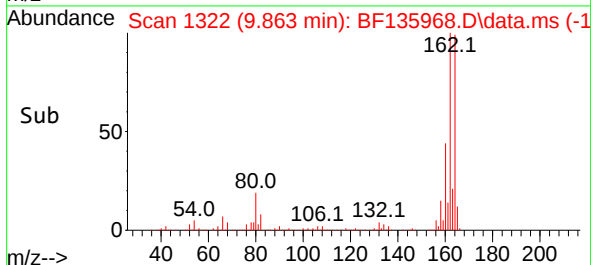
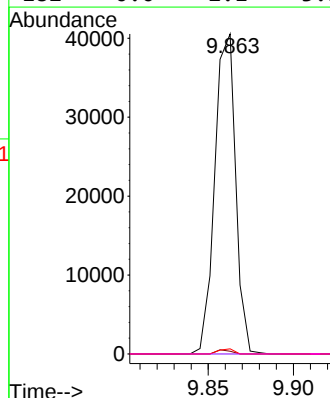
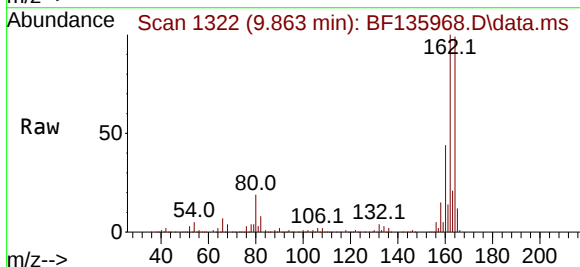
Instrument :
BNA_F
ClientSampleId :
PP-20230928-B4A-0-7.5

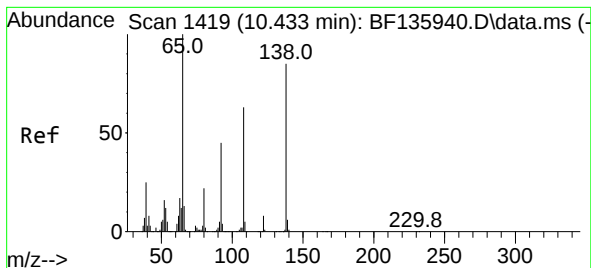
Tgt Ion:139 Resp: 72
Ion Ratio Lower Upper
139 100
109 0.0 45.2 85.2#
65 0.0 65.1 105.1#



#57
2,4-Dinitrotoluene
Concen: 12.586 ng
RT: 9.863 min Scan# 1322
Delta R.T. -0.188 min
Lab File: BF135968.D
Acq: 26 Oct 2023 17:42

Tgt Ion:165 Resp: 34501
Ion Ratio Lower Upper
165 100
63 0.8 33.7 50.5#
89 1.6 54.6 81.8#
182 0.0 2.1 3.1#





#62

4-Nitroaniline

Concen: 4.663 ng

RT: 10.651 min Scan# 1419

Delta R.T. 0.218 min

Lab File: BF135968.D

Acq: 26 Oct 2023 17:42

Instrument :

BNA_F

ClientSampleId :

PP-20230928-B4A-0-7.5

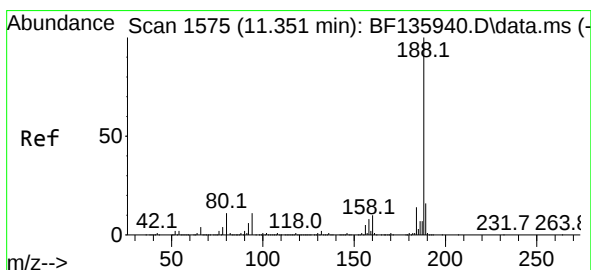
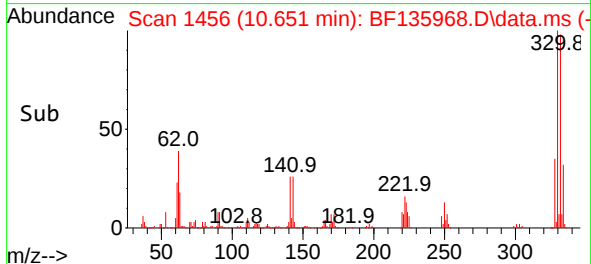
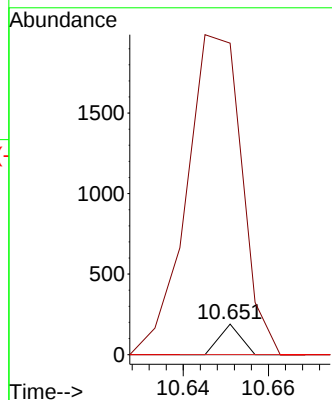
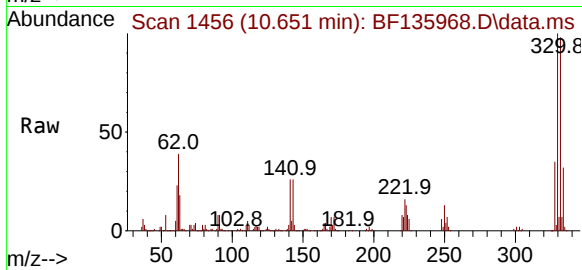
Tgt Ion:138 Resp: 67

Ion Ratio Lower Upper

138 100

92 1023.3 32.9 72.9#

108 0.0 53.5 93.5#



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.351 min Scan# 1575

Delta R.T. 0.000 min

Lab File: BF135968.D

Acq: 26 Oct 2023 17:42

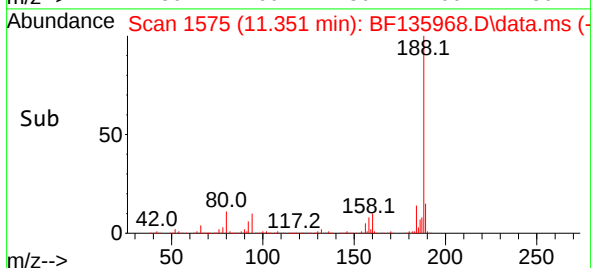
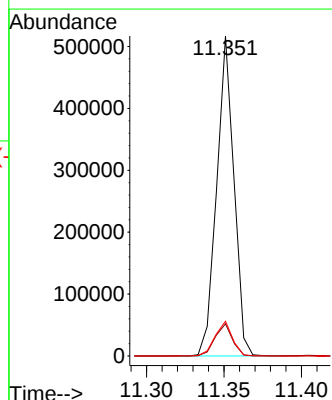
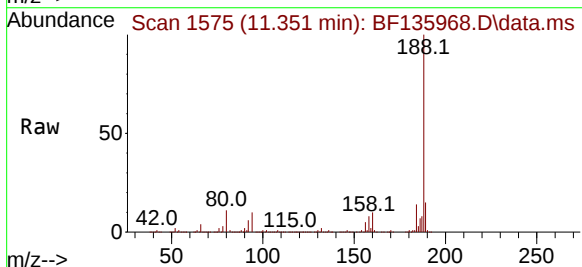
Tgt Ion:188 Resp: 400314

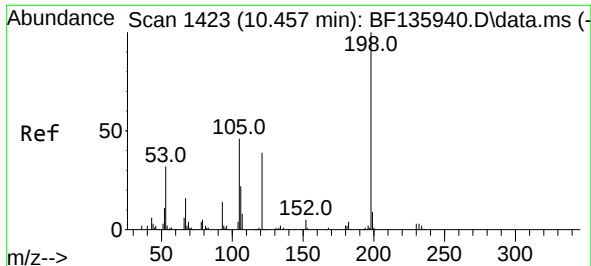
Ion Ratio Lower Upper

188 100

94 10.0 8.6 13.0

80 10.9 9.0 13.6

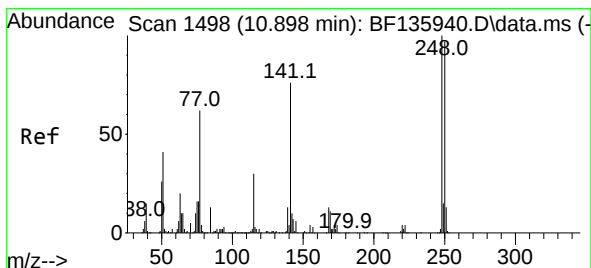
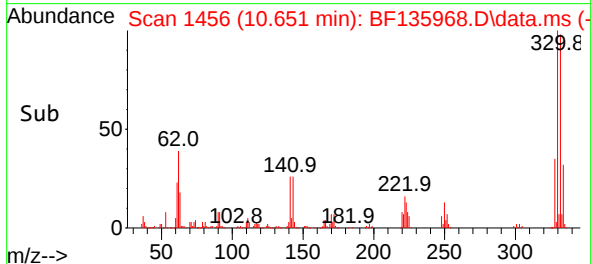
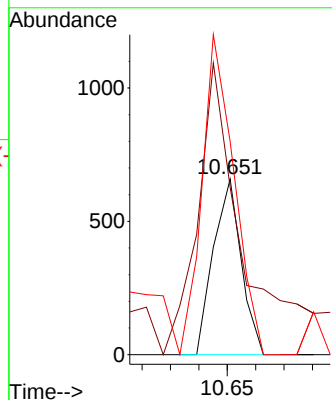
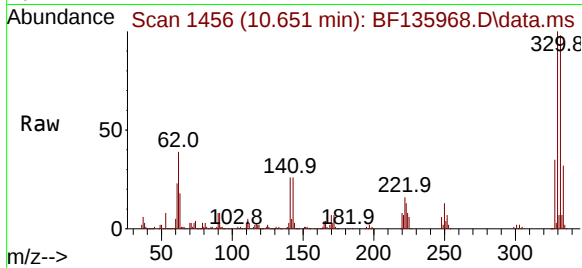




#65
4,6-Dinitro-2-methylphenol
Concen: 7.356 ng
RT: 10.651 min Scan# 1423
Delta R.T. 0.194 min
Lab File: BF135968.D
Acq: 26 Oct 2023 17:42

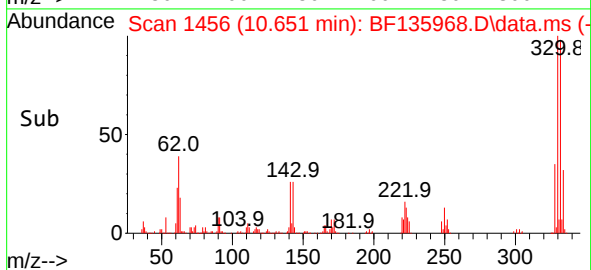
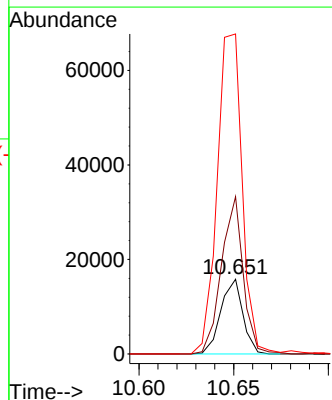
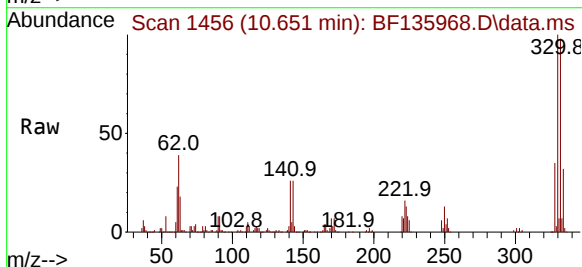
Instrument :
BNA_F
ClientSampleId :
PP-20230928-B4A-0-7.5

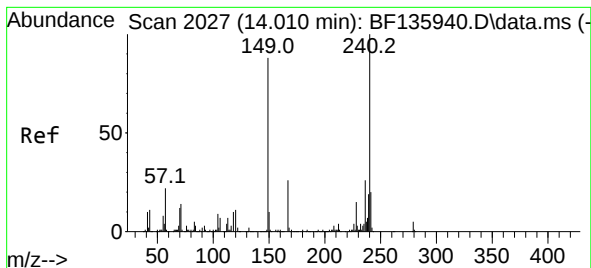
Tgt Ion:198 Resp: 447
Ion Ratio Lower Upper
198 100
51 95.3 28.7 68.7#
105 121.4 27.2 67.2#



#67
4-Bromophenyl-phenylether
Concen: 3.138 ng
RT: 10.651 min Scan# 1456
Delta R.T. -0.247 min
Lab File: BF135968.D
Acq: 26 Oct 2023 17:42

Tgt Ion:248 Resp: 12866
Ion Ratio Lower Upper
248 100
250 210.5 77.9 116.9#
141 428.2 60.8 91.2#





#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.004 min Scan# 2027

Delta R.T. -0.006 min

Lab File: BF135968.D

Acq: 26 Oct 2023 17:42

Instrument :

BNA_F

ClientSampleId :

PP-20230928-B4A-0-7.5

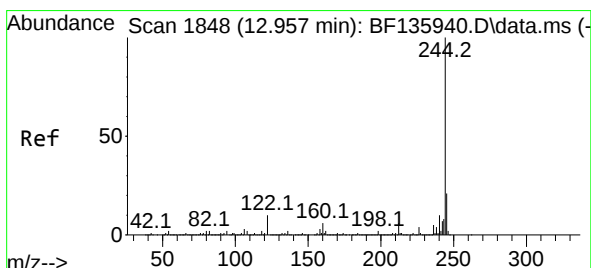
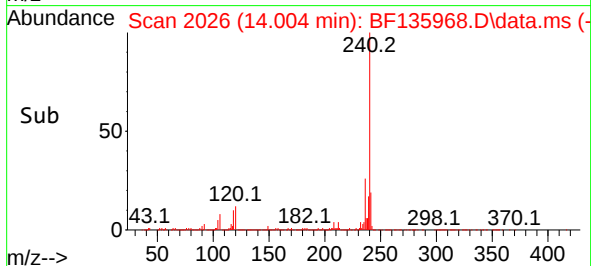
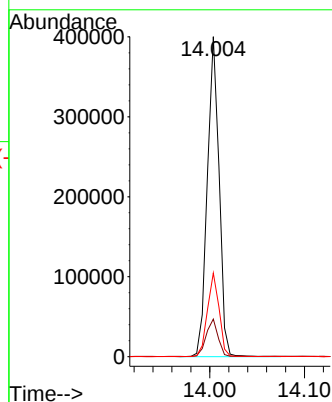
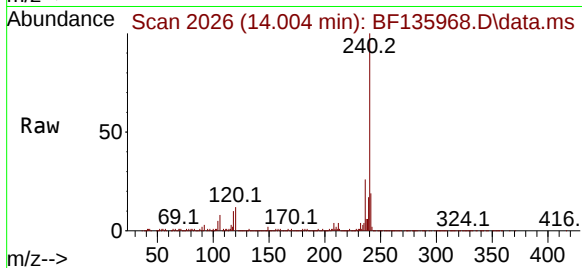
Tgt Ion:240 Resp: 344746

Ion Ratio Lower Upper

240 100

120 11.7 8.6 13.0

236 26.2 20.6 30.8



#79

Terphenyl-d14

Concen: 44.653 ng

RT: 12.951 min Scan# 1847

Delta R.T. -0.006 min

Lab File: BF135968.D

Acq: 26 Oct 2023 17:42

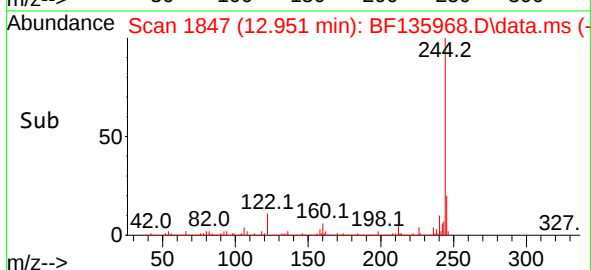
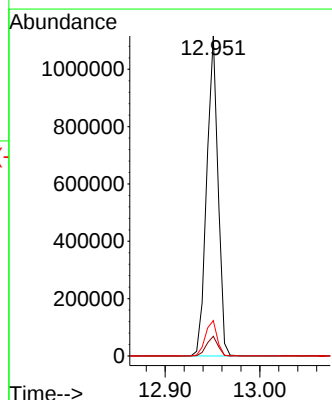
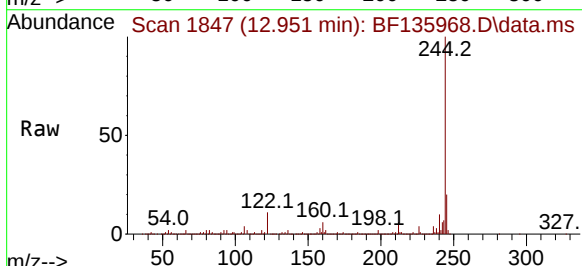
Tgt Ion:244 Resp: 921370

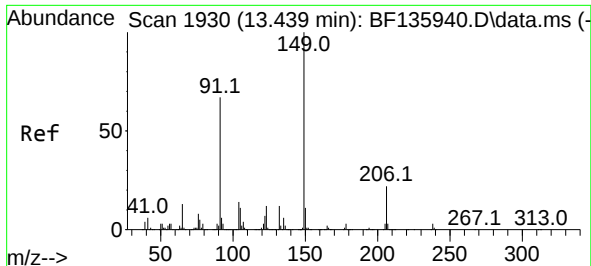
Ion Ratio Lower Upper

244 100

212 6.2 5.0 7.6

122 11.0 8.0 12.0

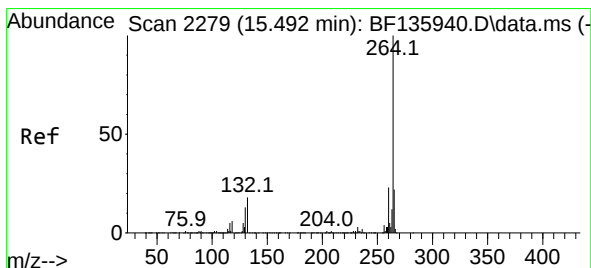
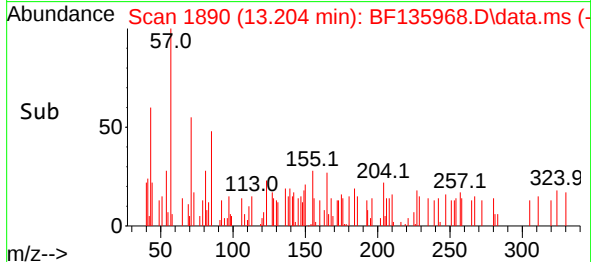
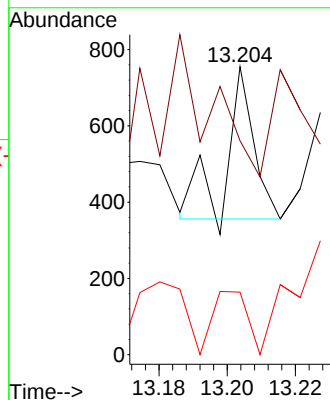
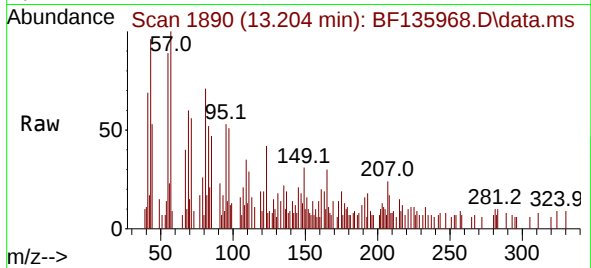




#80
Butylbenzylphthalate
Concen: 3.846 ng
RT: 13.204 min Scan# 1890
Delta R.T. -0.235 min
Lab File: BF135968.D
Acq: 26 Oct 2023 17:42

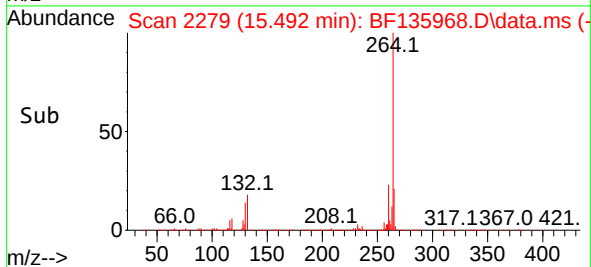
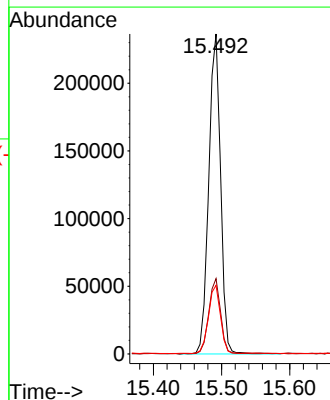
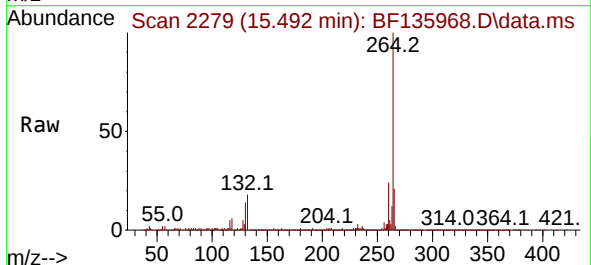
Instrument :
BNA_F
ClientSampleId :
PP-20230928-B4A-0-7.5

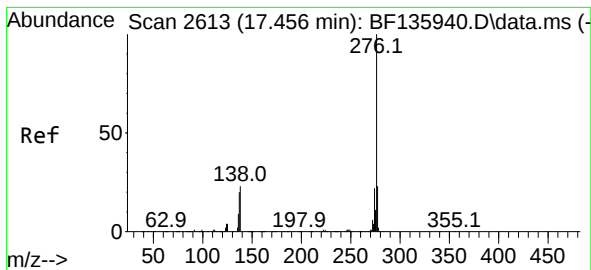
Tgt Ion:149	Resp:	224
Ion Ratio	Lower	Upper
149	100	
91	74.3	53.4 80.0
206	21.7	17.5 26.3



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.492 min Scan# 2279
Delta R.T. 0.000 min
Lab File: BF135968.D
Acq: 26 Oct 2023 17:42

Tgt Ion:264	Resp:	286053
Ion Ratio	Lower	Upper
264	100	
260	23.5	18.6 28.0
265	21.5	17.3 25.9





#92

Benzo(g,h,i)perylene

Concen: 3.956 ng

RT: 17.439 min Scan# 20

Delta R.T. -0.017 min

Lab File: BF135968.D

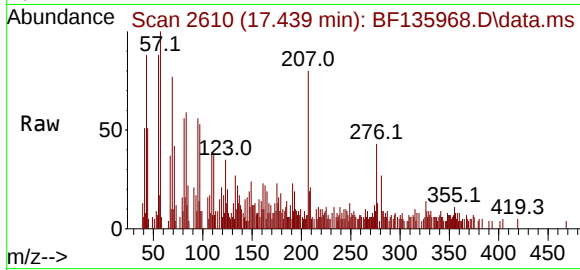
Acq: 26 Oct 2023 17:42

Instrument :

BNA_F

ClientSampleId :

PP-20230928-B4A-0-7.5



Tgt Ion:276 Resp: 3401

Ion Ratio Lower Upper

276 100

277 31.4 18.6 28.0#

138 28.6 18.4 27.6#

