

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF122623\
 Data File : BF136740.D
 Acq On : 27 Dec 2023 02:12
 Operator : CG\JU
 Sample : 05602-01RE
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SPRING-VALLEY-TP-1

Quant Time: Dec 27 04:03:10 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF122023.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Dec 21 01:54:25 2023
 Response via : Initial Calibration

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

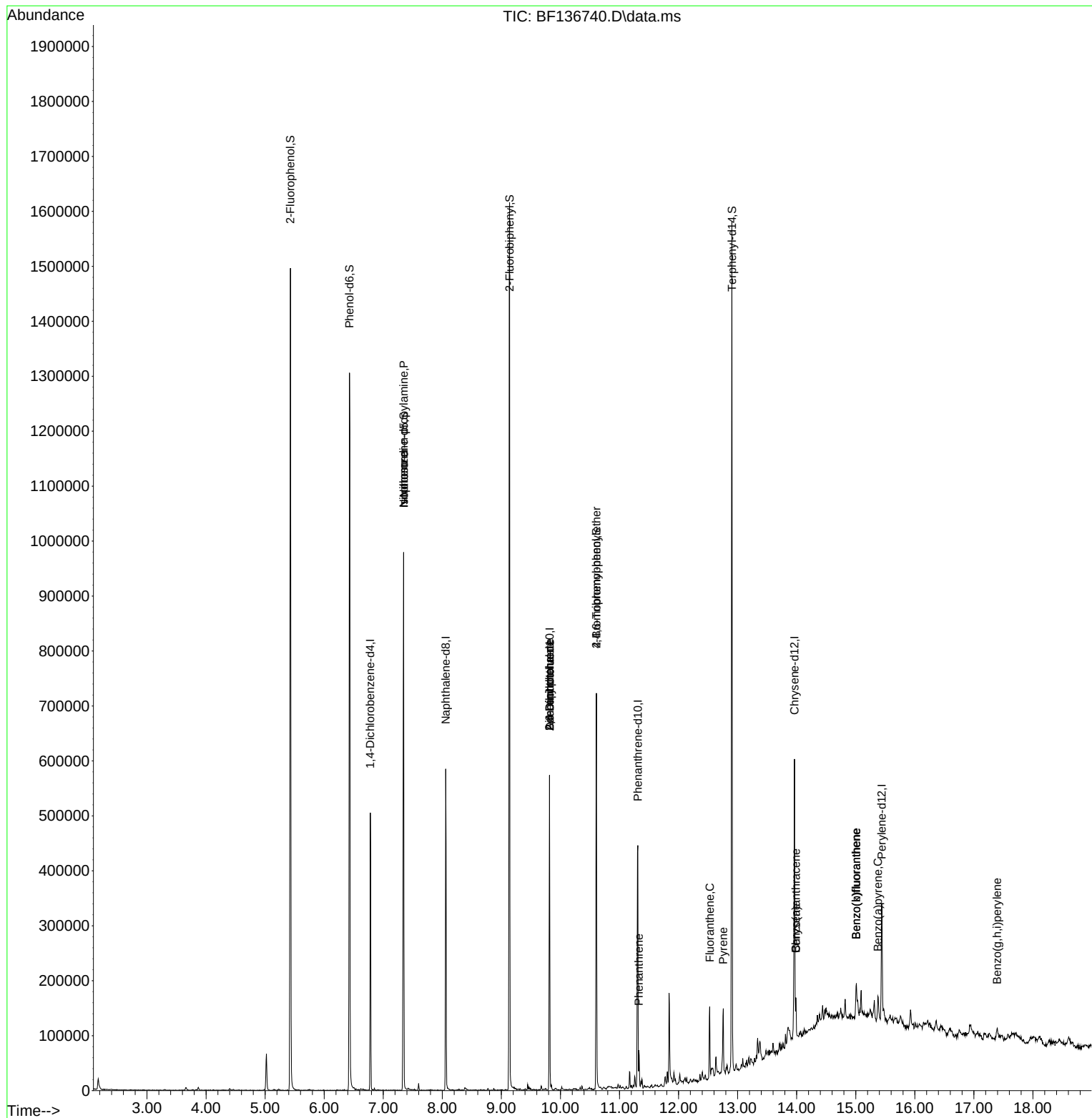
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.781	152	71876	20.000	ng	-0.01
21) Naphthalene-d8	8.057	136	244801	20.000	ng	-0.01
39) Acenaphthene-d10	9.816	164	99411	20.000	ng	-0.01
64) Phenanthrene-d10	11.310	188	170387	20.000	ng	0.00
76) Chrysene-d12	13.963	240	155579	20.000	ng	# 0.00
86) Perylene-d12	15.439	264	102589	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.428	112	378563	82.178	ng	0.00
7) Phenol-d6	6.428	99	466313	78.122	ng	-0.01
23) Nitrobenzene-d5	7.345	82	289027	60.416	ng	-0.01
42) 2,4,6-Tribromophenol	10.610	330	87032	74.336	ng	-0.01
45) 2-Fluorobiphenyl	9.139	172	521191	70.515	ng	-0.01
79) Terphenyl-d14	12.904	244	506441	45.490	ng	-0.01
Target Compounds						Qvalue
19) n-Nitroso-di-n-propyla...	7.345	70	37399	10.336	ng	# 73
25) Isophorone	7.345	82	289023	33.202	ng	# 65
50) Dimethylphthalate	9.816	163	20538	2.828	ng	# 1
51) 2,6-Dinitrotoluene	9.816	165	12496	7.583	ng	# 29
57) 2,4-Dinitrotoluene	9.816	165	12496	5.841	ng	# 20
67) 4-Bromophenyl-phenylether	10.610	248	5064	2.676	ng	# 1
71) Phenanthrene	11.327	178	22539	2.578	ng	98
75) Fluoranthene	12.527	202	51731	5.532	ng	99
78) Pyrene	12.757	202	49569	3.246	ng	98
81) Benzo(a)anthracene	13.986	228	30112	2.787	ng	96
83) Chrysene	13.986	228	30112	2.850	ng	96
88) Benzo(b)fluoranthene	15.010	252	40094	5.851	ng	# 90
89) Benzo(k)fluoranthene	15.010	252	40094	6.193	ng	# 90
90) Benzo(a)pyrene	15.374	252	18858	3.260	ng	# 88
92) Benzo(g,h,i)perylene	17.392	276	14093	2.264	ng	# 92

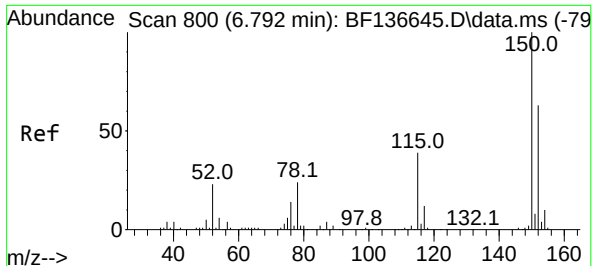
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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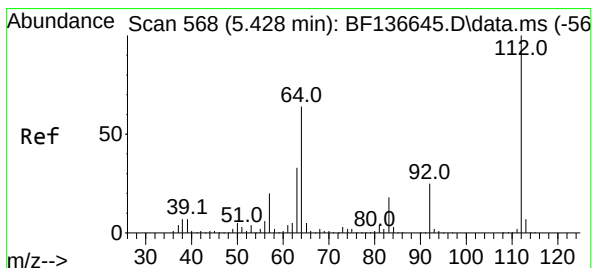
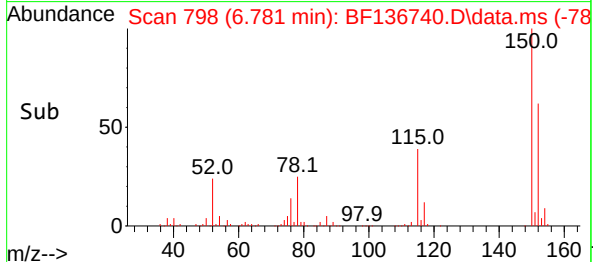
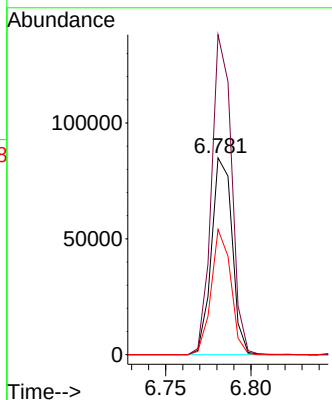
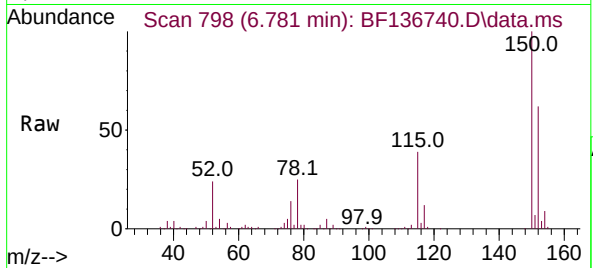




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.781 min Scan# 79
Delta R.T. -0.011 min
Lab File: BF136740.D
Acq: 27 Dec 2023 02:12

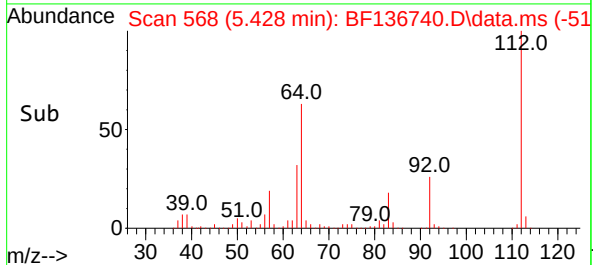
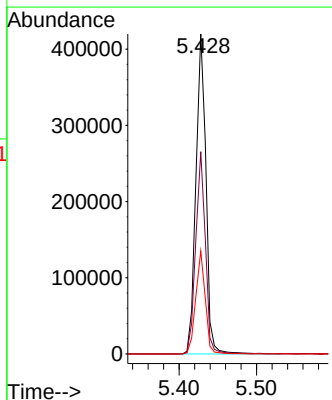
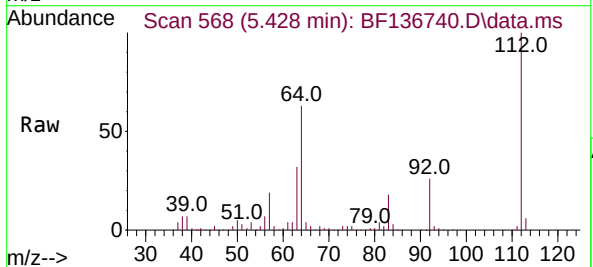
Instrument :
BNA_F
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SPRING-VALLEY-TP-1

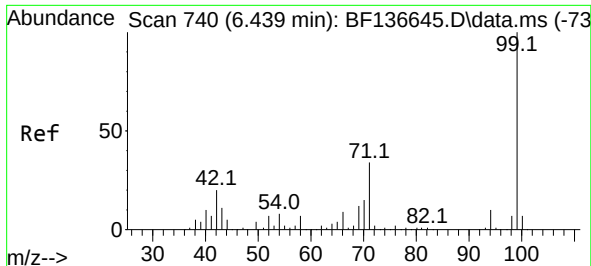
Tgt Ion:152 Resp: 71876
Ion Ratio Lower Upper
152 100
150 162.6 127.0 190.6
115 63.6 49.0 73.4



#5
2-Fluorophenol
Concen: 82.178 ng
RT: 5.428 min Scan# 568
Delta R.T. 0.000 min
Lab File: BF136740.D
Acq: 27 Dec 2023 02:12

Tgt Ion:112 Resp: 378563
Ion Ratio Lower Upper
112 100
64 63.2 51.1 76.7
63 32.2 26.1 39.1

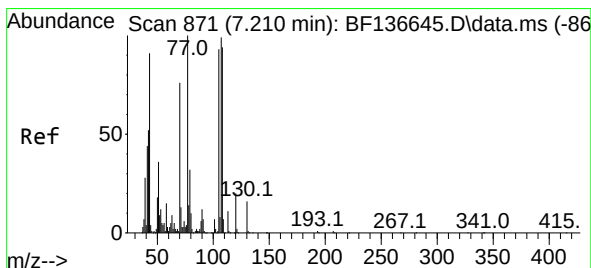
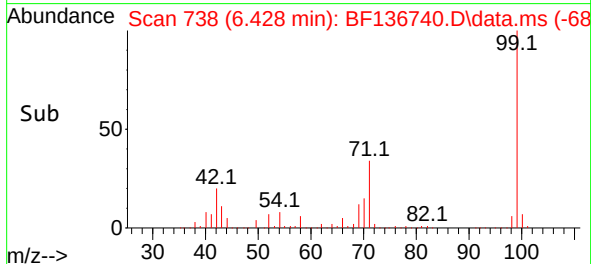
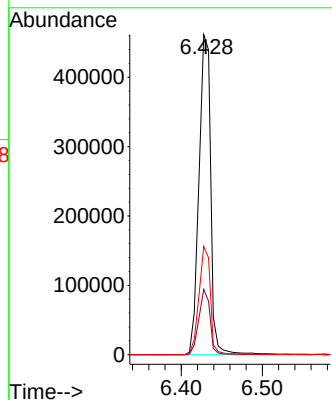
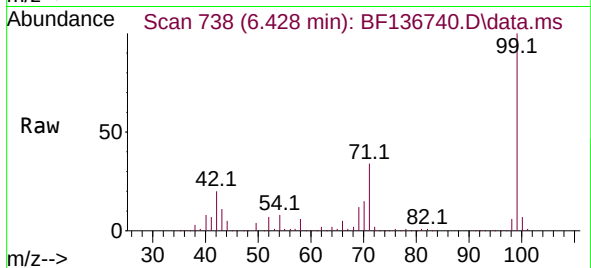




#7
Phenol-d6
Concen: 78.122 ng
RT: 6.428 min Scan# 71
Delta R.T. -0.012 min
Lab File: BF136740.D
Acq: 27 Dec 2023 02:12

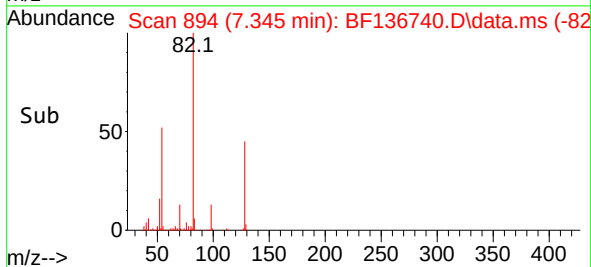
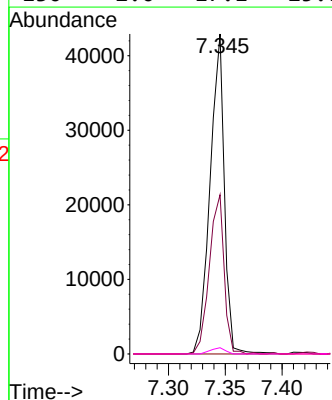
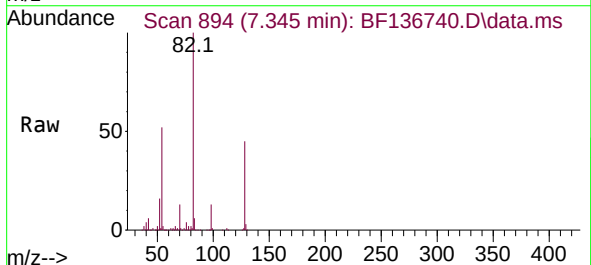
Instrument :
BNA_F
ClientSampleId :
SPRING-VALLEY-TP-1

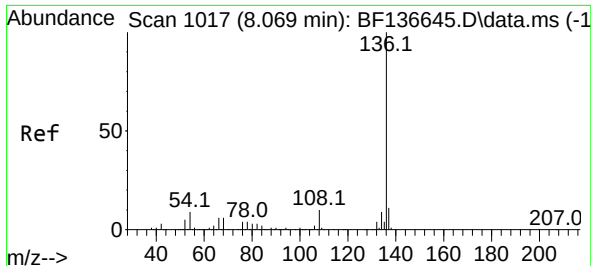
Tgt Ion: 99 Resp: 466313
Ion Ratio Lower Upper
99 100
42 20.4 16.1 24.1
71 33.8 27.4 41.2



#19
n-Nitroso-di-n-propylamine
Concen: 10.336 ng
RT: 7.345 min Scan# 894
Delta R.T. 0.135 min
Lab File: BF136740.D
Acq: 27 Dec 2023 02:12

Tgt Ion: 70 Resp: 37399
Ion Ratio Lower Upper
70 100
42 49.7 54.2 81.4#
101 0.0 7.6 11.4#
130 2.0 17.1 25.7#



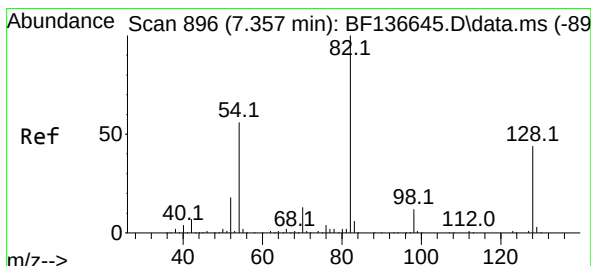
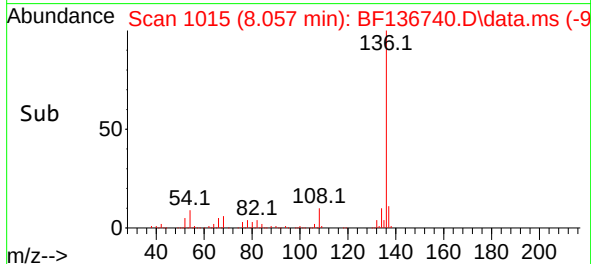
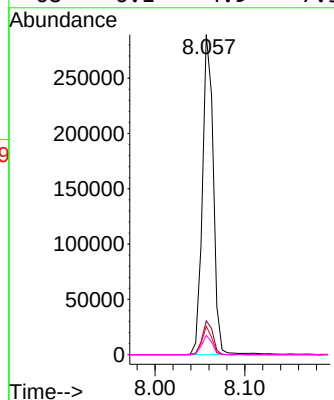
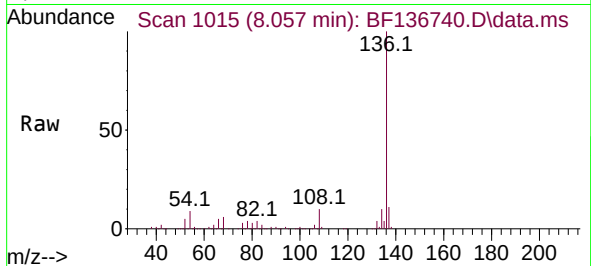


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.057 min Scan# 1015
Delta R.T. -0.012 min
Lab File: BF136740.D
Acq: 27 Dec 2023 02:12

Instrument :
BNA_F
ClientSampleId :
SPRING-VALLEY-TP-1

Tgt Ion:136 Resp: 244801

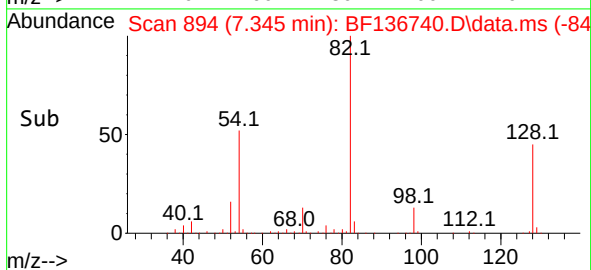
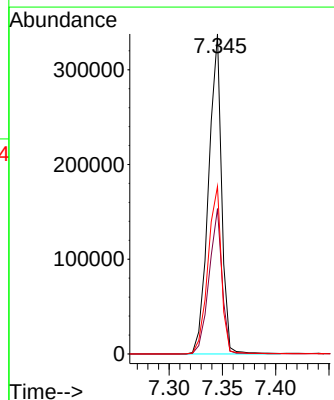
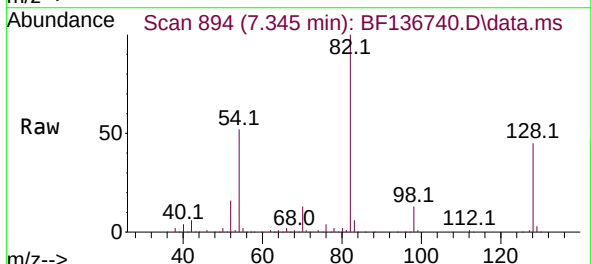
Ion	Ratio	Lower	Upper
136	100		
137	10.6	9.0	13.4
54	8.9	7.2	10.8
68	6.1	4.9	7.3

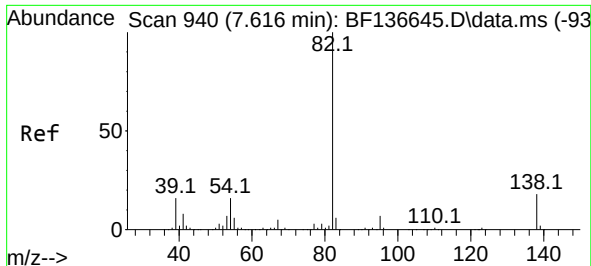


#23
Nitrobenzene-d5
Concen: 60.416 ng
RT: 7.345 min Scan# 894
Delta R.T. -0.012 min
Lab File: BF136740.D
Acq: 27 Dec 2023 02:12

Tgt Ion: 82 Resp: 289027

Ion	Ratio	Lower	Upper
82	100		
128	45.4	35.3	52.9
54	52.4	44.5	66.7

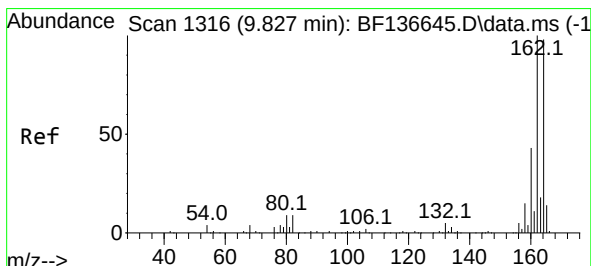
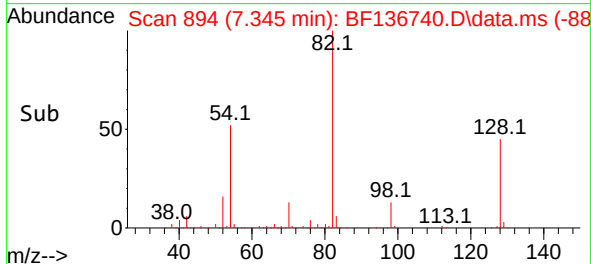
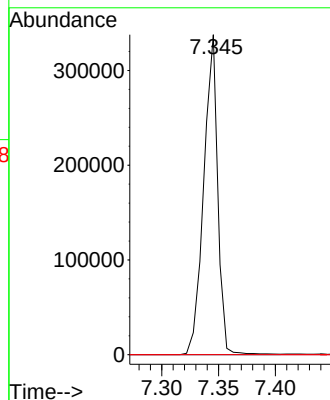
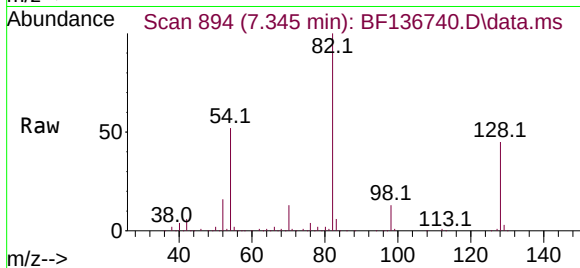




#25
Isophorone
Concen: 33.202 ng
RT: 7.345 min Scan# 894
Delta R.T. -0.270 min
Lab File: BF136740.D
Acq: 27 Dec 2023 02:12

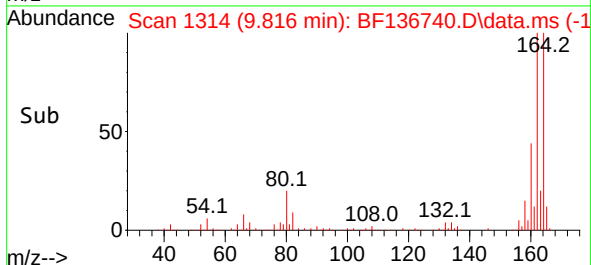
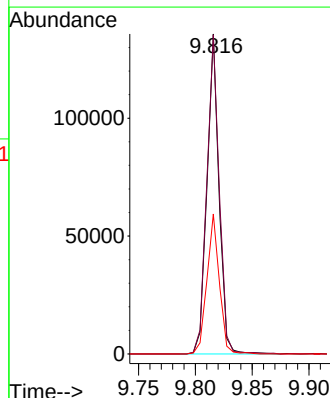
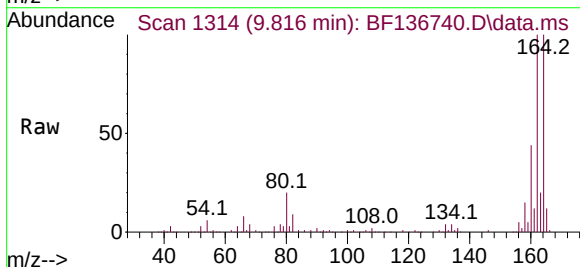
Instrument :
BNA_F
ClientSampleId :
SPRING-VALLEY-TP-1

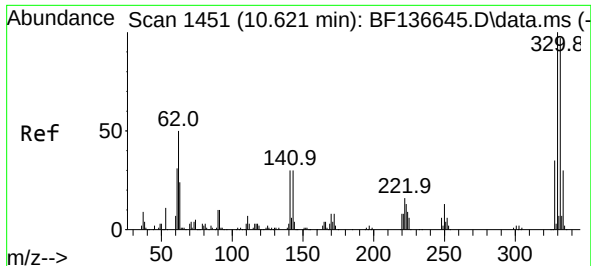
Tgt Ion: 82 Resp: 289023
Ion Ratio Lower Upper
82 100
95 0.0 5.5 8.3#
138 0.0 14.5 21.7#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.816 min Scan# 1314
Delta R.T. -0.012 min
Lab File: BF136740.D
Acq: 27 Dec 2023 02:12

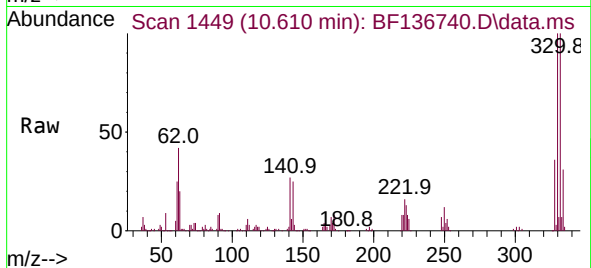
Tgt Ion:164 Resp: 99411
Ion Ratio Lower Upper
164 100
162 99.8 81.6 122.4
160 43.8 34.9 52.3



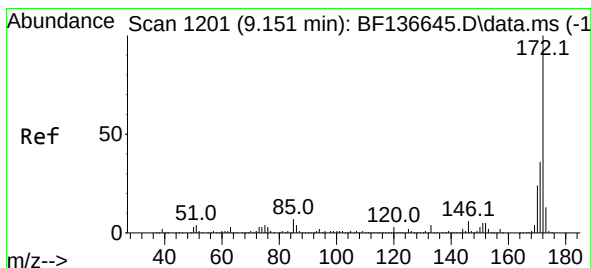
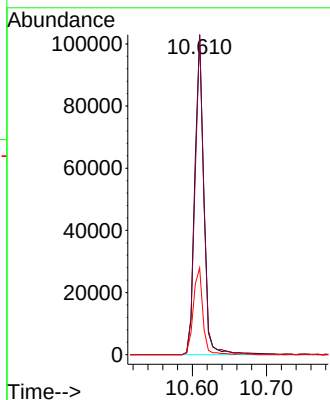
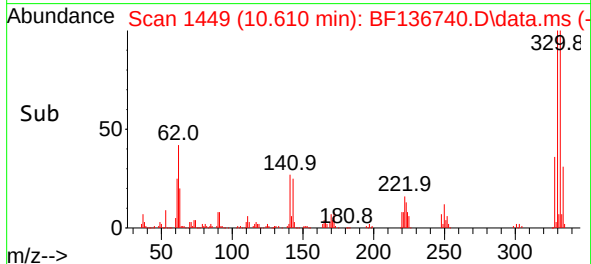


#42
2,4,6-Tribromophenol
Concen: 74.336 ng
RT: 10.610 min Scan# 1449
Delta R.T. -0.012 min
Lab File: BF136740.D
Acq: 27 Dec 2023 02:12

Instrument :
BNA_F
ClientSampleId :
SPRING-VALLEY-TP-1

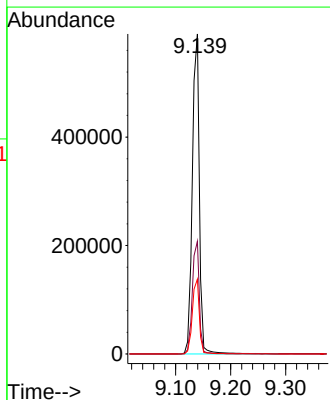
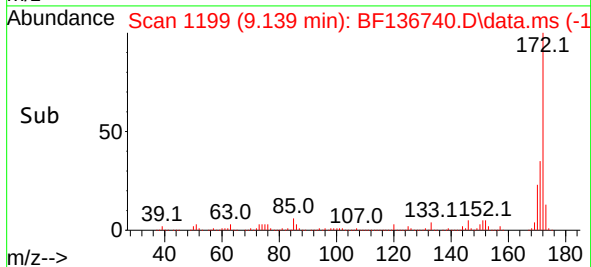
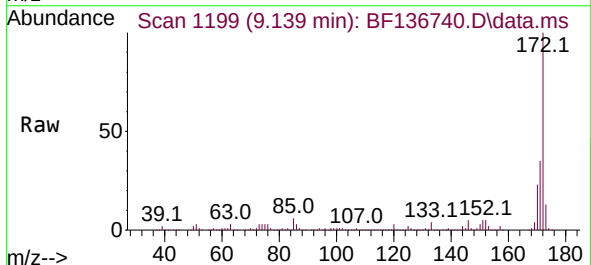


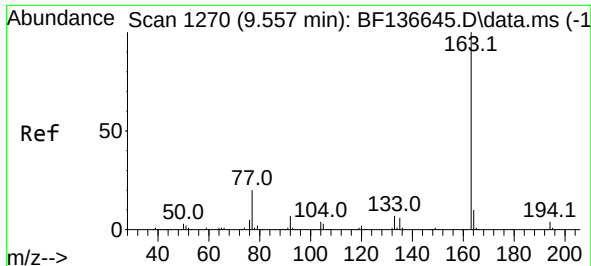
Tgt Ion:330 Resp: 87032
Ion Ratio Lower Upper
330 100
332 97.5 77.4 116.0
141 28.5 23.4 35.2



#45
2-Fluorobiphenyl
Concen: 70.515 ng
RT: 9.139 min Scan# 1199
Delta R.T. -0.012 min
Lab File: BF136740.D
Acq: 27 Dec 2023 02:12

Tgt Ion:172 Resp: 521191
Ion Ratio Lower Upper
172 100
171 35.2 29.0 43.6
170 23.4 19.0 28.4

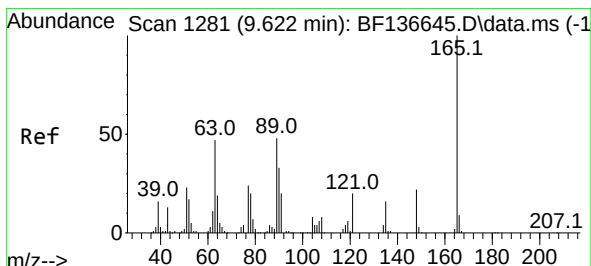
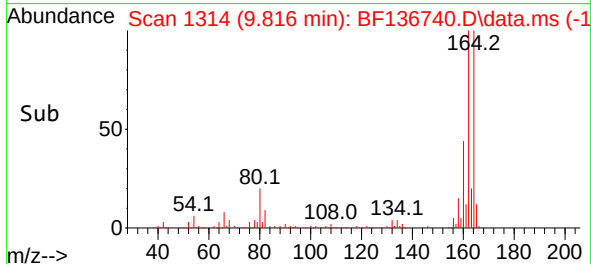
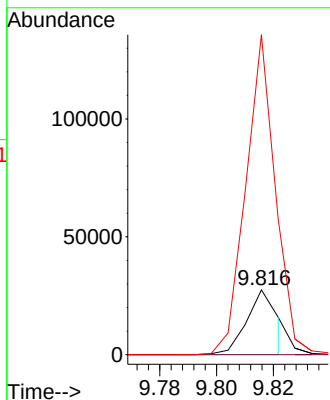
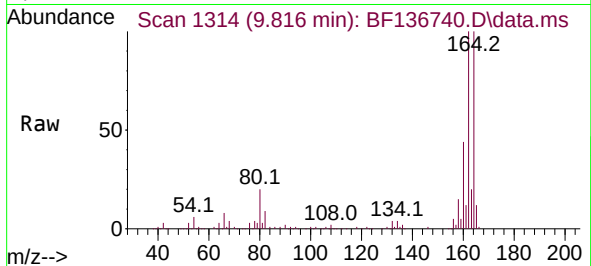




#50
Dimethylphthalate
Concen: 2.828 ng
RT: 9.816 min Scan# 11
Delta R.T. 0.259 min
Lab File: BF136740.D
Acq: 27 Dec 2023 02:12

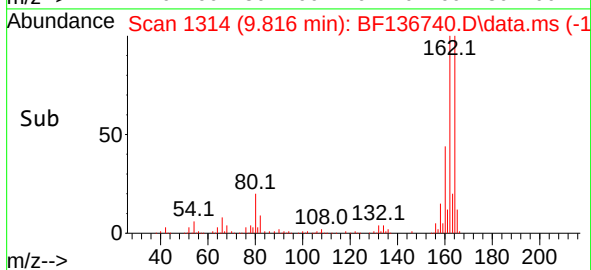
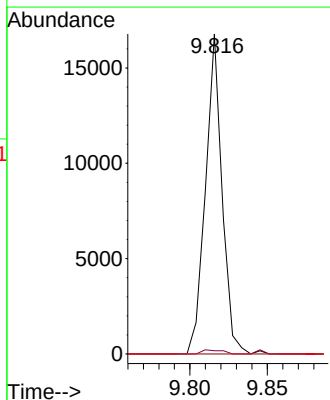
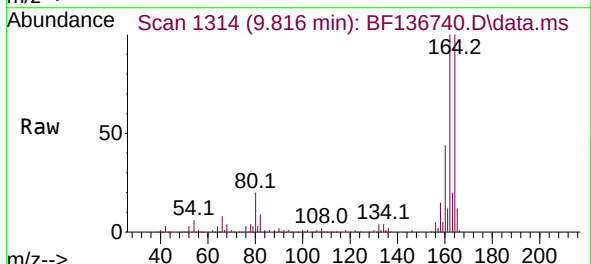
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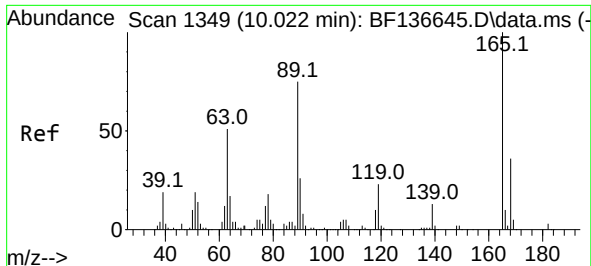
Tgt Ion:163 Resp: 20538
Ion Ratio Lower Upper
163 100
194 0.0 3.3 4.9#
164 493.8 7.8 11.6#



#51
2,6-Dinitrotoluene
Concen: 7.583 ng
RT: 9.816 min Scan# 1314
Delta R.T. 0.194 min
Lab File: BF136740.D
Acq: 27 Dec 2023 02:12

Tgt Ion:165 Resp: 12496
Ion Ratio Lower Upper
165 100
63 1.0 39.8 59.6#
89 0.0 38.8 58.2#

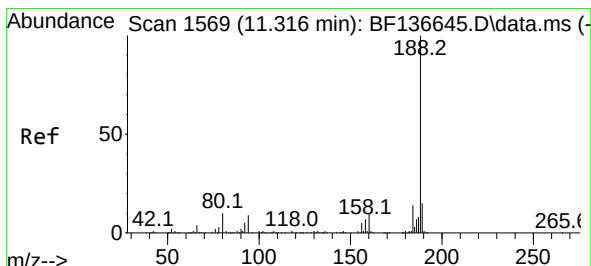
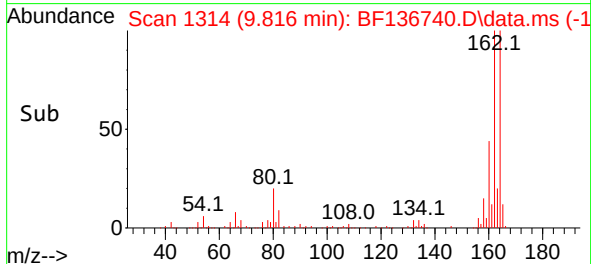
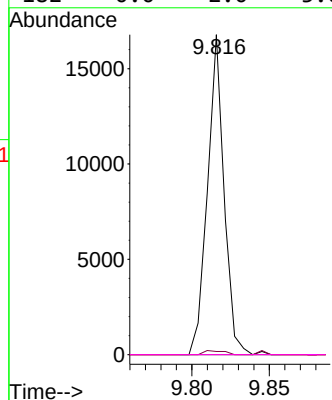
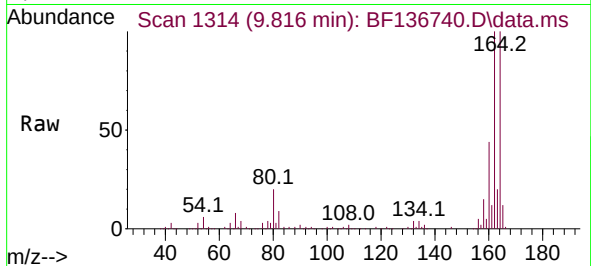




#57
2,4-Dinitrotoluene
Concen: 5.841 ng
RT: 9.816 min Scan# 11
Delta R.T. -0.206 min
Lab File: BF136740.D
Acq: 27 Dec 2023 02:12

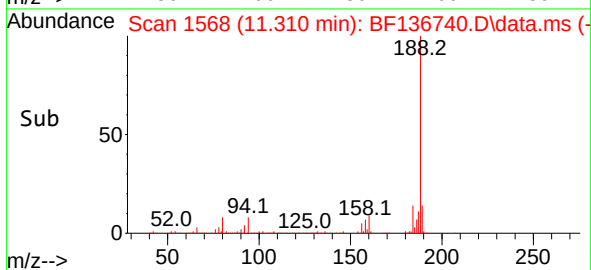
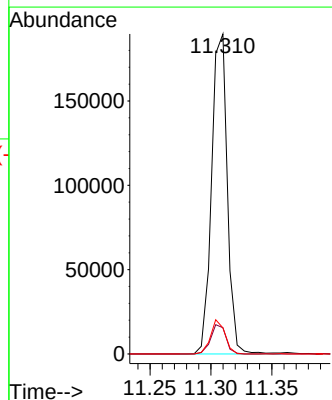
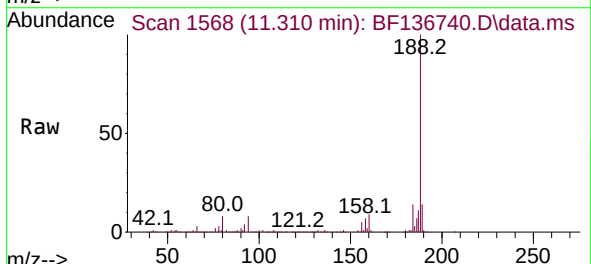
Instrument :
BNA_F
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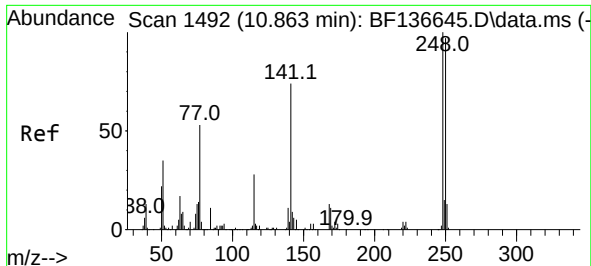
Tgt Ion:165 Resp: 12496
Ion Ratio Lower Upper
165 100
63 1.0 41.0 61.6#
89 0.0 59.9 89.9#
182 0.0 2.0 3.0#



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.310 min Scan# 1568
Delta R.T. -0.006 min
Lab File: BF136740.D
Acq: 27 Dec 2023 02:12

Tgt Ion:188 Resp: 170387
Ion Ratio Lower Upper
188 100
94 8.2 7.5 11.3
80 8.2 8.1 12.1

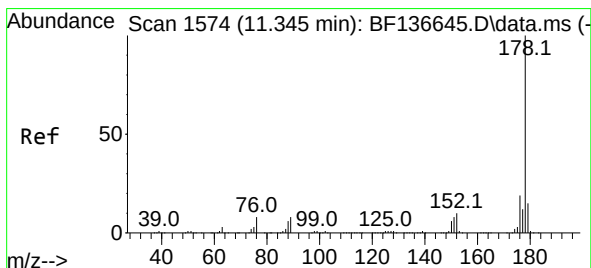
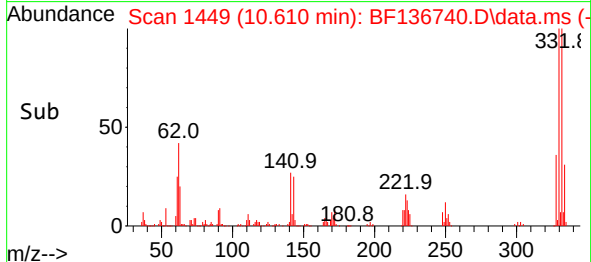
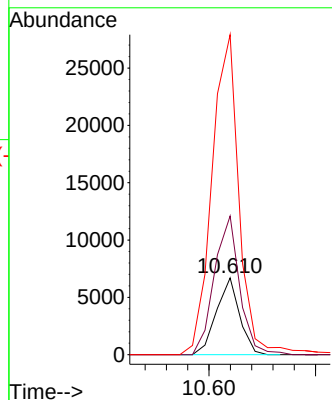
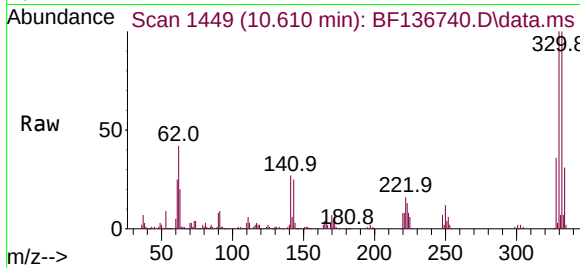




#67
4-Bromophenyl-phenylether
Concen: 2.676 ng
RT: 10.610 min Scan# 1492
Delta R.T. -0.253 min
Lab File: BF136740.D
Acq: 27 Dec 2023 02:12

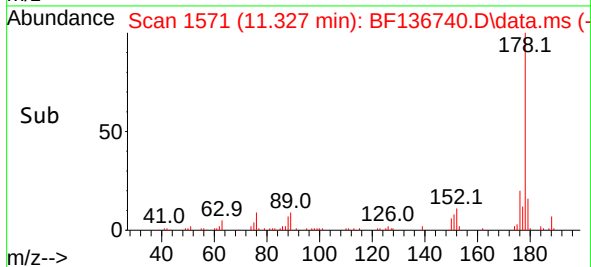
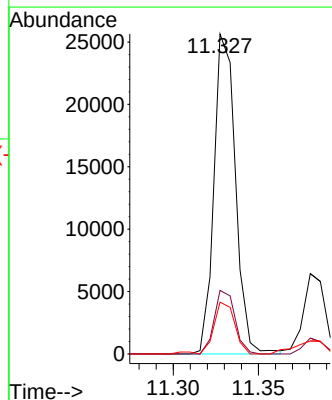
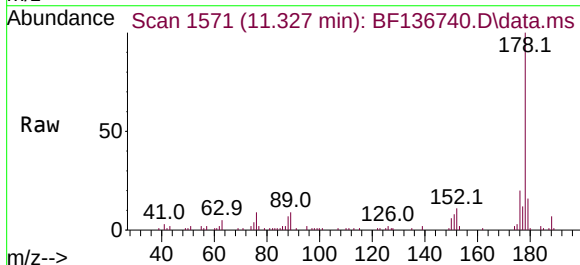
Instrument :
BNA_F
ClientSampleId :
SPRING-VALLEY-TP-1

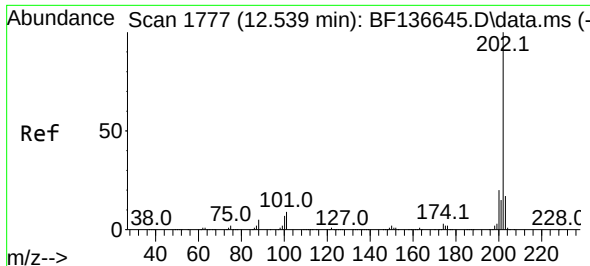
Tgt Ion:248 Resp: 5064
Ion Ratio Lower Upper
248 100
250 180.6 77.8 116.6#
141 416.3 59.2 88.8#



#71
Phenanthrene
Concen: 2.578 ng
RT: 11.327 min Scan# 1571
Delta R.T. -0.018 min
Lab File: BF136740.D
Acq: 27 Dec 2023 02:12

Tgt Ion:178 Resp: 22539
Ion Ratio Lower Upper
178 100
176 19.9 15.3 22.9
179 16.2 11.9 17.9

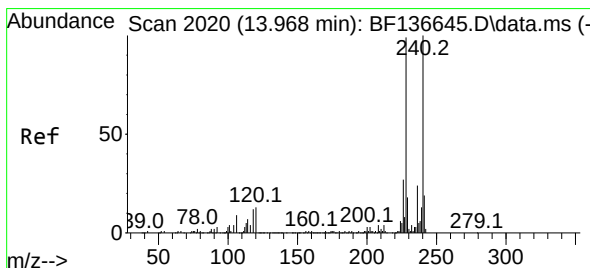
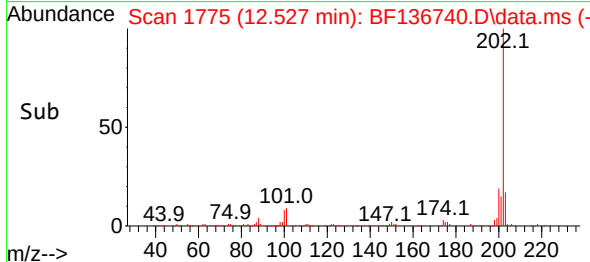
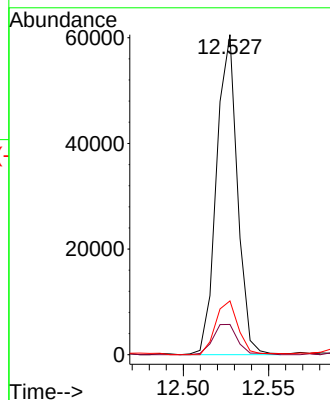
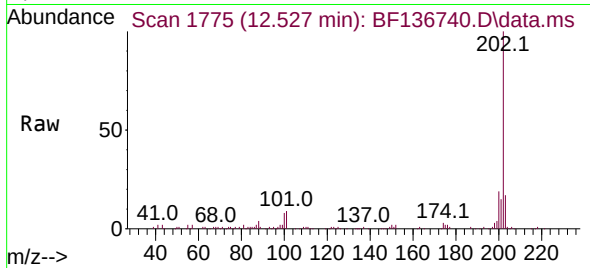




#75
Fluoranthene
Concen: 5.532 ng
RT: 12.527 min Scan# 1
Delta R.T. -0.012 min
Lab File: BF136740.D
Acq: 27 Dec 2023 02:12

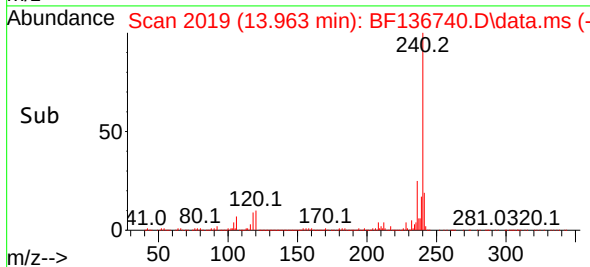
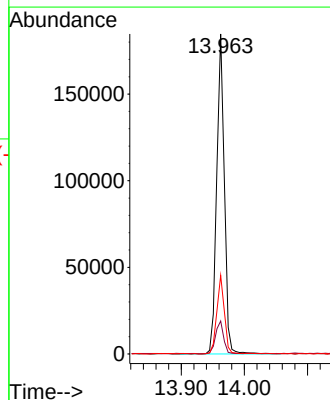
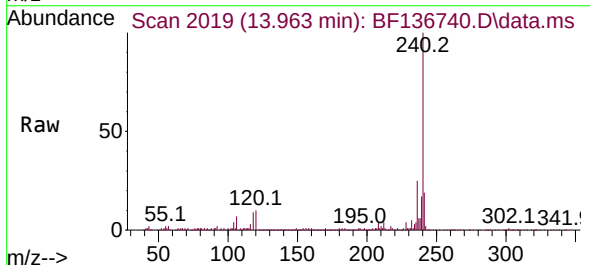
Instrument :
BNA_F
ClientSampleId :
SPRING-VALLEY-TP-1

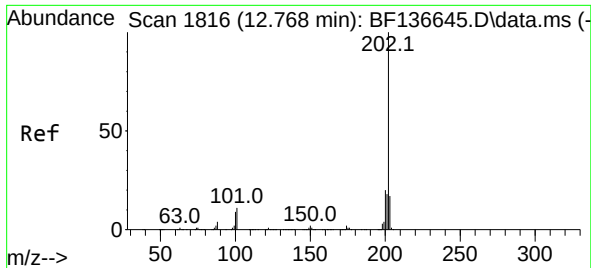
Tgt Ion:202 Resp: 51731
Ion Ratio Lower Upper
202 100
101 9.5 0.0 29.3
203 16.8 0.0 37.1



#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.963 min Scan# 2019
Delta R.T. -0.006 min
Lab File: BF136740.D
Acq: 27 Dec 2023 02:12

Tgt Ion:240 Resp: 155579
Ion Ratio Lower Upper
240 100
120 10.3 10.3 15.5#
236 24.6 19.4 29.2

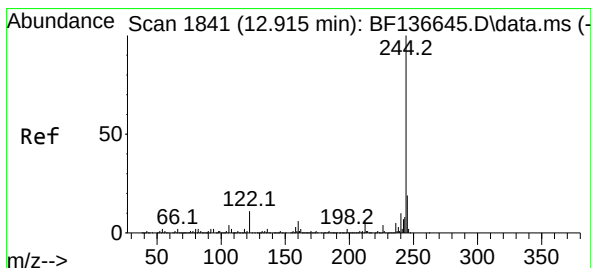
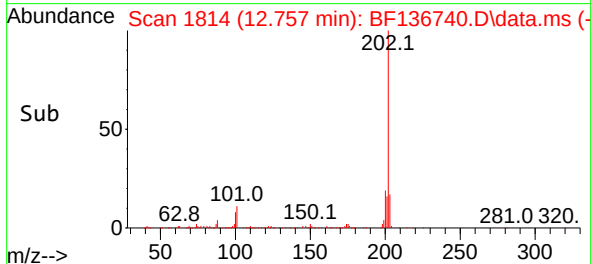
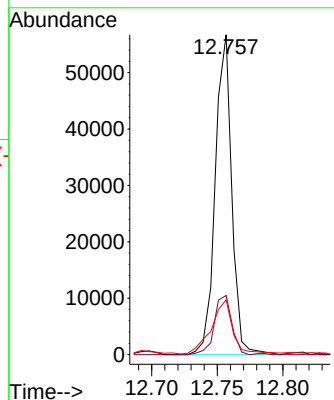
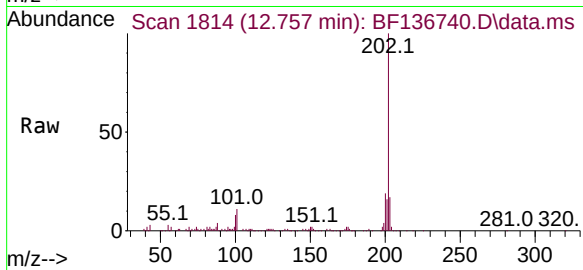




#78
 Pyrene
 Concen: 3.246 ng
 RT: 12.757 min Scan# 1814
 Delta R.T. -0.012 min
 Lab File: BF136740.D
 Acq: 27 Dec 2023 02:12

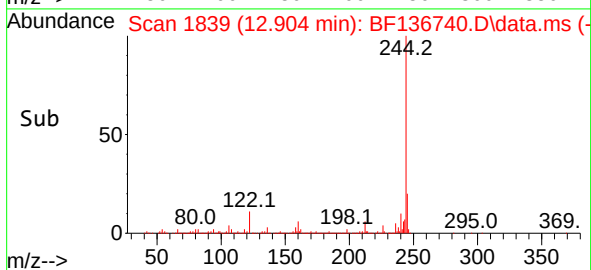
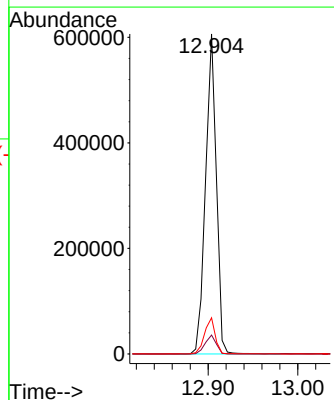
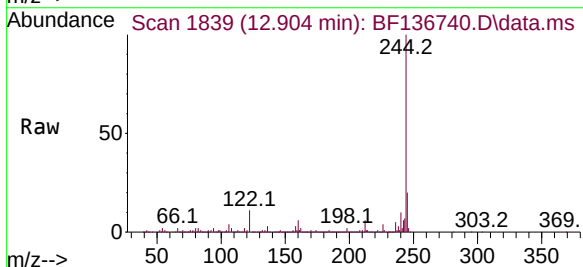
Instrument :
 BNA_F
 ClientSampleId :
 SPRING-VALLEY-TP-1

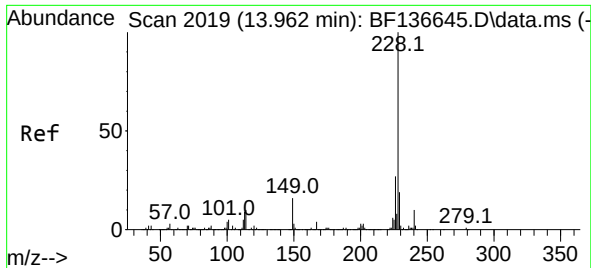
Tgt Ion:202 Resp: 49569
 Ion Ratio Lower Upper
 202 100
 200 18.5 15.9 23.9
 203 17.2 13.8 20.6



#79
 Terphenyl-d14
 Concen: 45.490 ng
 RT: 12.904 min Scan# 1839
 Delta R.T. -0.012 min
 Lab File: BF136740.D
 Acq: 27 Dec 2023 02:12

Tgt Ion:244 Resp: 506441
 Ion Ratio Lower Upper
 244 100
 212 5.9 5.0 7.4
 122 11.3 9.0 13.4

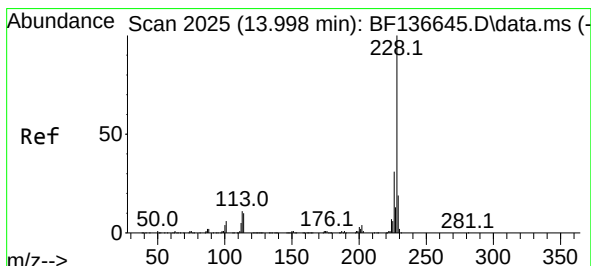
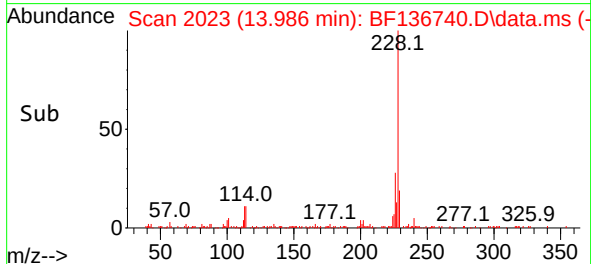
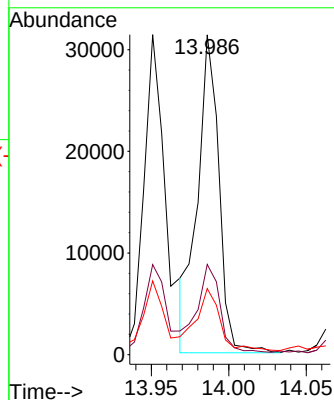
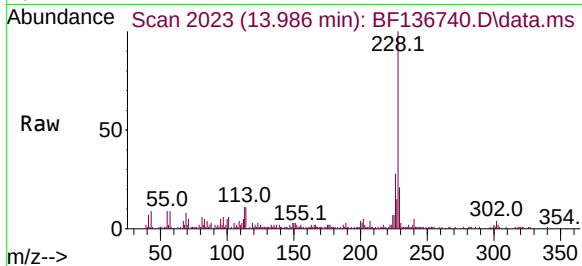




#81
Benzo(a)anthracene
Concen: 2.787 ng
RT: 13.986 min Scan# 2019
Delta R.T. 0.024 min
Lab File: BF136740.D
Acq: 27 Dec 2023 02:12

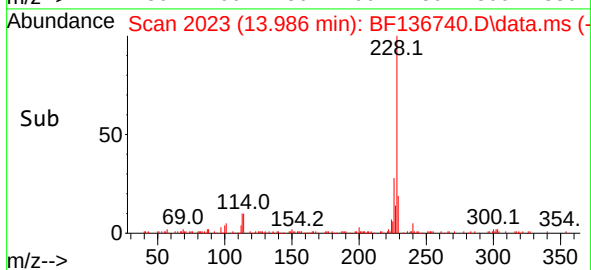
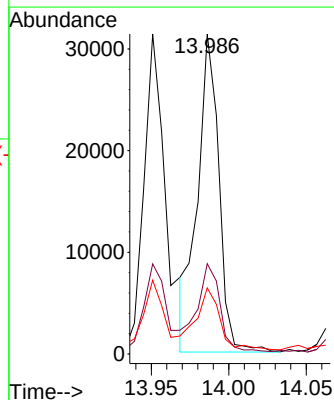
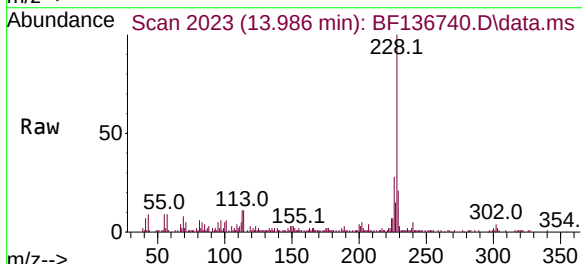
Instrument :
BNA_F
ClientSampleId :
SPRING-VALLEY-TP-1

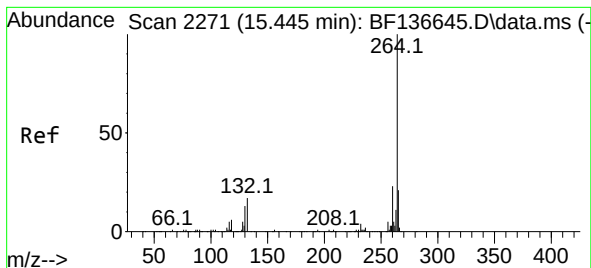
Tgt Ion:228 Resp: 30112
Ion Ratio Lower Upper
228 100
226 28.2 21.4 32.0
229 20.7 14.9 22.3



#83
Chrysene
Concen: 2.850 ng
RT: 13.986 min Scan# 2023
Delta R.T. -0.012 min
Lab File: BF136740.D
Acq: 27 Dec 2023 02:12

Tgt Ion:228 Resp: 30112
Ion Ratio Lower Upper
228 100
226 28.2 24.7 37.1
229 20.7 15.4 23.0





#86

Perylene-d12

Concen: 20.000 ng

RT: 15.439 min Scan# 2197

Delta R.T. -0.006 min

Lab File: BF136740.D

Acq: 27 Dec 2023 02:12

Instrument :

BNA_F

ClientSampleId :

SPRING-VALLEY-TP-1

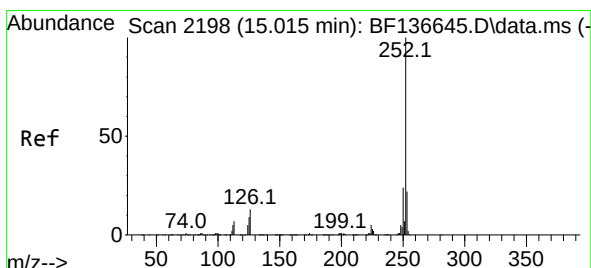
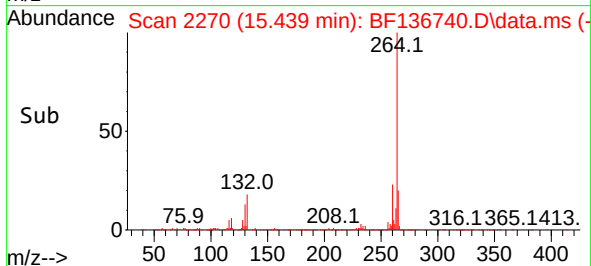
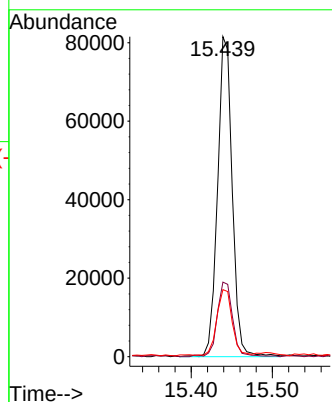
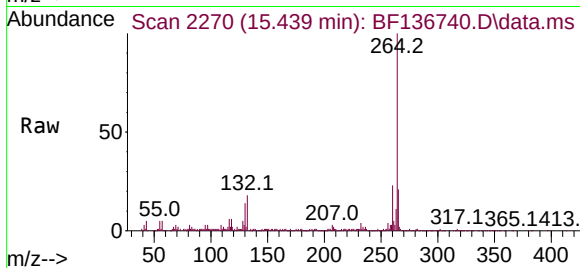
Tgt Ion:264 Resp: 102589

Ion Ratio Lower Upper

264 100

260 23.3 18.3 27.5

265 21.0 17.0 25.6



#88

Benzo(b)fluoranthene

Concen: 5.851 ng

RT: 15.010 min Scan# 2197

Delta R.T. -0.006 min

Lab File: BF136740.D

Acq: 27 Dec 2023 02:12

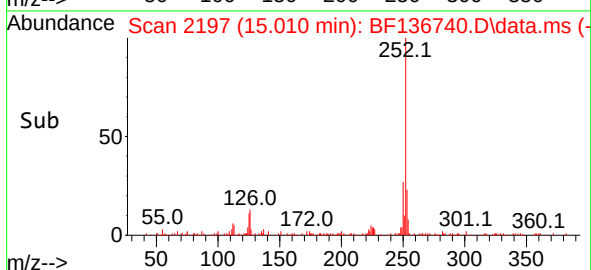
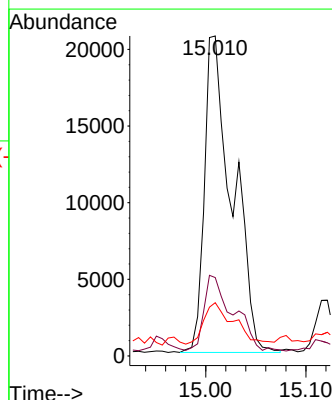
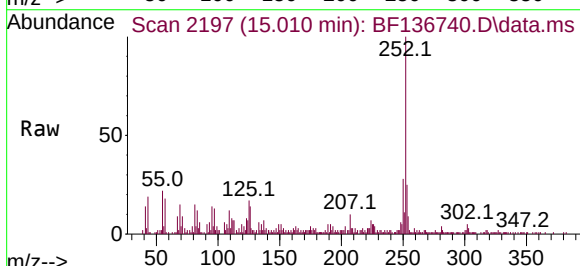
Tgt Ion:252 Resp: 40094

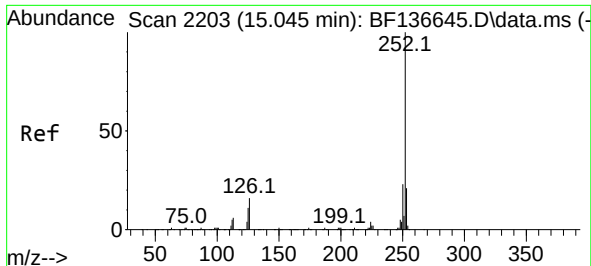
Ion Ratio Lower Upper

252 100

253 24.5 17.4 26.0

125 16.7 7.4 11.2#





#89

Benzo(k)fluoranthene

Concen: 6.193 ng

RT: 15.010 min Scan# 2197

Delta R.T. -0.035 min

Lab File: BF136740.D

Acq: 27 Dec 2023 02:12

Instrument :

BNA_F

ClientSampleId :

SPRING-VALLEY-TP-1

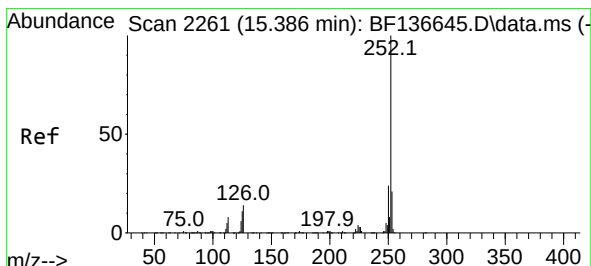
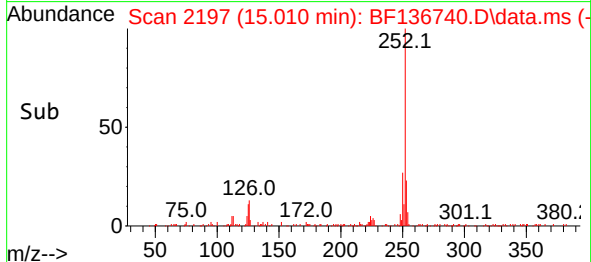
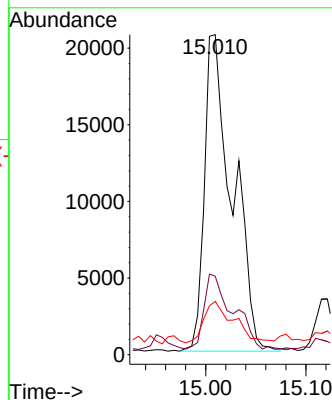
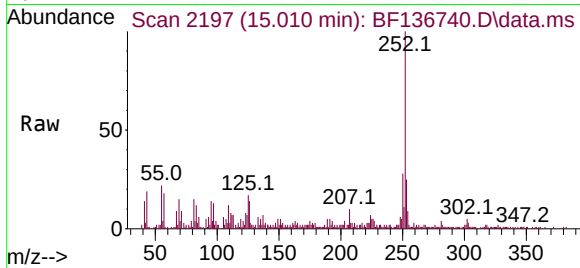
Tgt Ion:252 Resp: 40094

Ion Ratio Lower Upper

252 100

253 24.5 17.0 25.6

125 16.7 8.2 12.4#



#90

Benzo(a)pyrene

Concen: 3.260 ng

RT: 15.374 min Scan# 2259

Delta R.T. -0.012 min

Lab File: BF136740.D

Acq: 27 Dec 2023 02:12

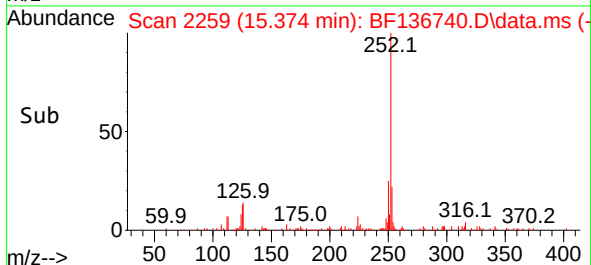
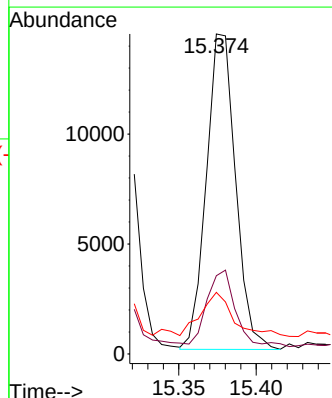
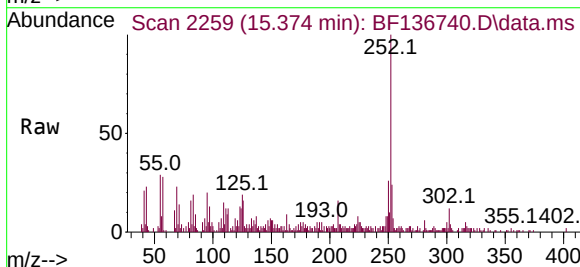
Tgt Ion:252 Resp: 18858

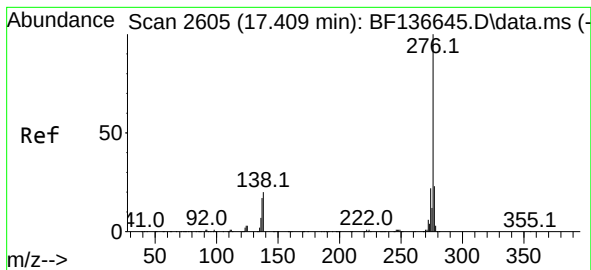
Ion Ratio Lower Upper

252 100

253 24.4 17.0 25.6

125 19.3 8.8 13.2#





#92

Benzo(g,h,i)perylene

Concen: 2.264 ng

RT: 17.392 min Scan# 20

Delta R.T. -0.018 min

Lab File: BF136740.D

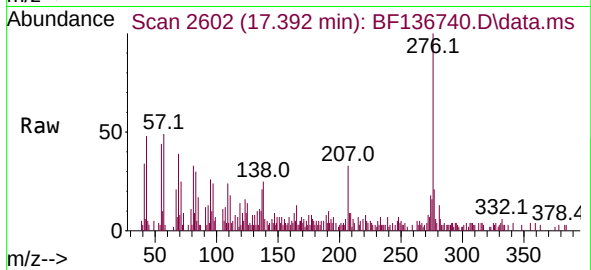
Acq: 27 Dec 2023 02:12

Instrument :

BNA_F

ClientSampleId :

SPRING-VALLEY-TP-1



Tgt Ion:276 Resp: 14093

Ion Ratio Lower Upper

276 100

277 20.8 18.3 27.5

138 25.2 15.6 23.4#

