

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF081424\
 Data File : BF139007.D
 Acq On : 14 Aug 2024 21:47
 Operator : RC/JU
 Sample : P3475-02
 Misc :
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 S-866-N-SO-1.0-1.5-080524

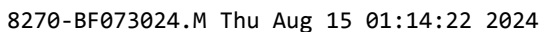
Quant Time: Aug 15 01:14:15 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF073024.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Jul 30 17:50:01 2024
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.834	152	30152	20.000	ng	-0.01
21) Naphthalene-d8	8.116	136	98470	20.000	ng	-0.01
39) Acenaphthene-d10	9.869	164	45260	20.000	ng	-0.01
64) Phenanthrene-d10	11.357	188	90263	20.000	ng	-0.01
76) Chrysene-d12	13.998	240	59157	20.000	ng	0.00
86) Perylene-d12	15.463	264	44596	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.469	112	227779	116.613	ng	0.00
7) Phenol-d6	6.481	99	283780	108.210	ng	0.00
23) Nitrobenzene-d5	7.398	82	174059	86.422	ng	-0.01
42) 2,4,6-Tribromophenol	10.657	330	49491	133.492	ng	-0.01
45) 2-Fluorobiphenyl	9.186	172	221959	73.684	ng	-0.02
79) Terphenyl-d14	12.933	244	289167	81.840	ng	-0.01
Target Compounds						
						Qvalue
19) n-Nitroso-di-n-propyla...	7.398	70	23503	14.838	ng	# 79
25) Isophorone	7.398	82	174057	50.611	ng	# 66
51) 2,6-Dinitrotoluene	9.869	165	6128	9.383	ng	# 19
57) 2,4-Dinitrotoluene	9.869	165	6128	7.354	ng	# 16
67) 4-Bromophenyl-phenylether	10.657	248	3650	3.735	ng	# 1
75) Fluoranthene	12.569	202	23630	5.446	ng	97
77) Benzidine	12.933	184	4231	2.990	ng	# 92
78) Pyrene	12.798	202	20203	3.627	ng	98
83) Chrysene	14.021	228	8307	2.260	ng	94
88) Benzo(b)fluoranthene	15.039	252	12368	4.474	ng	# 93
89) Benzo(k)fluoranthene	15.039	252	12368	5.167	ng	# 92
90) Benzo(a)pyrene	15.404	252	5795	2.492	ng	95

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

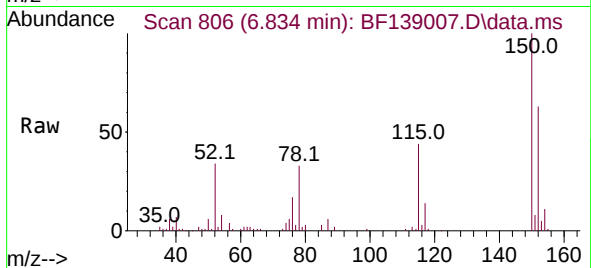
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Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF073024.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Jul 30 17:50:01 2024
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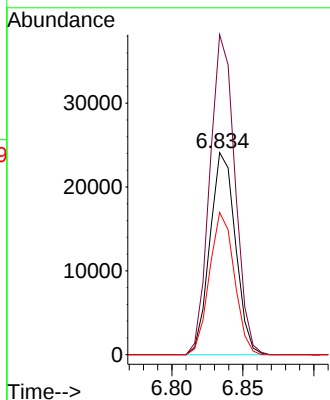
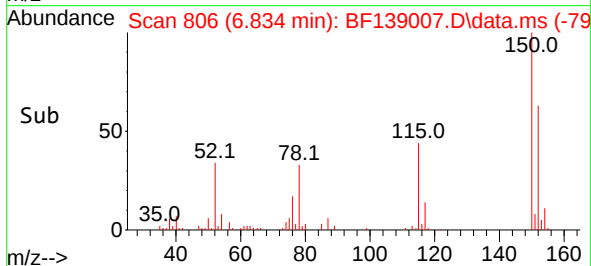


#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.834 min Scan# 808
Delta R.T. -0.011 min
Lab File: BF139007.D
Acq: 14 Aug 2024 21:47

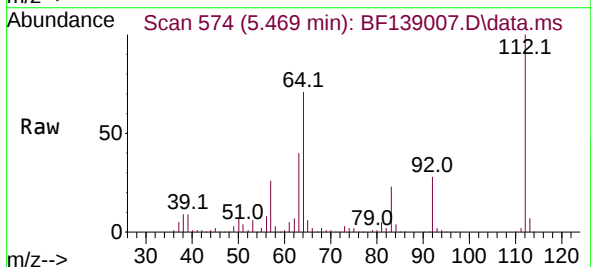
Instrument :
BNA_F
ClientSampleId :
S-866-N-SO-1.0-1.5-080524



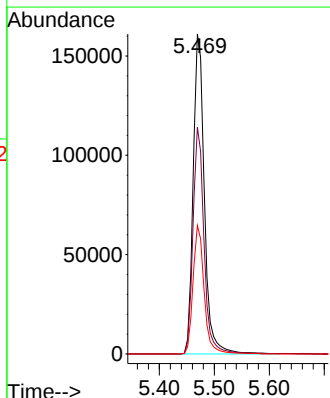
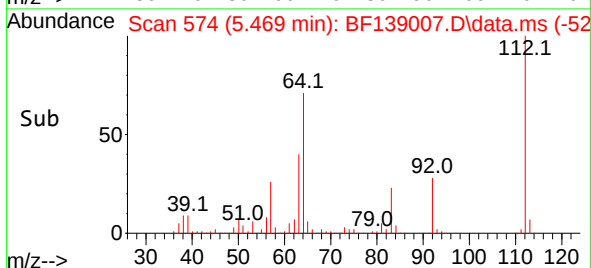
Tgt Ion:152 Resp: 30152
Ion Ratio Lower Upper
152 100
150 158.3 126.0 189.0
115 70.4 51.7 77.5



#5
2-Fluorophenol
Concen: 116.613 ng
RT: 5.469 min Scan# 574
Delta R.T. 0.000 min
Lab File: BF139007.D
Acq: 14 Aug 2024 21:47



Tgt Ion:112 Resp: 227779
Ion Ratio Lower Upper
112 100
64 70.9 54.2 81.4
63 40.2 28.7 43.1

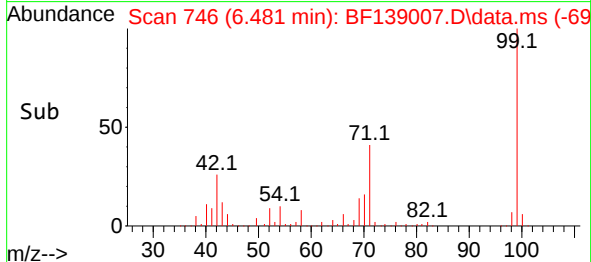
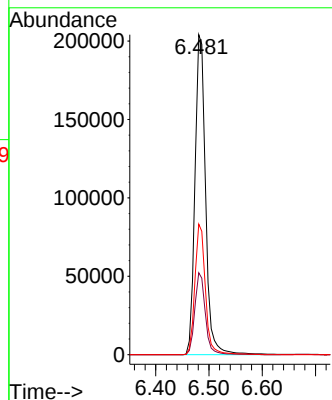
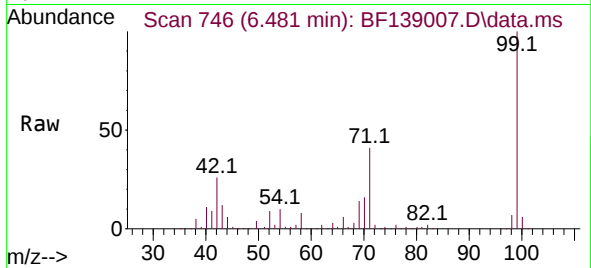




#7
Phenol-d6
Concen: 108.210 ng
RT: 6.481 min Scan# 74
Delta R.T. -0.006 min
Lab File: BF139007.D
Acq: 14 Aug 2024 21:47

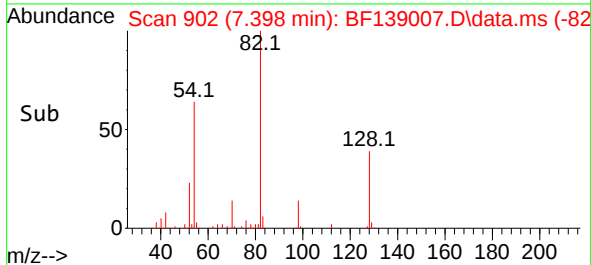
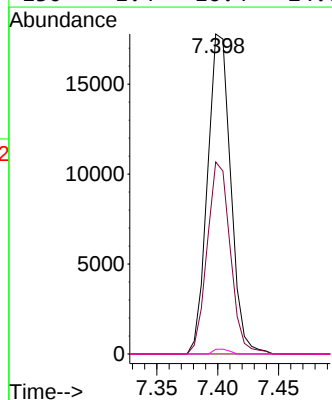
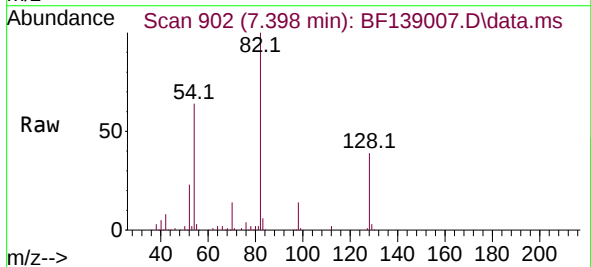
Instrument :
BNA_F
ClientSampleId :
S-866-N-SO-1.0-1.5-080524

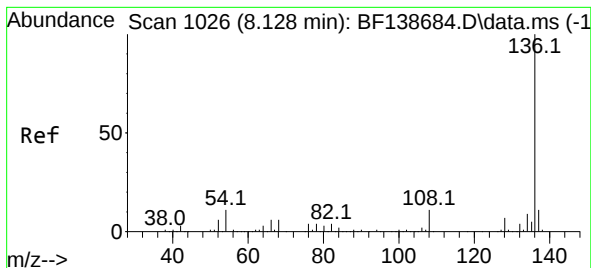
Tgt Ion: 99 Resp: 283780
Ion Ratio Lower Upper
99 100
42 25.6 17.4 26.0
71 40.8 28.1 42.1



#19
n-Nitroso-di-n-propylamine
Concen: 14.838 ng
RT: 7.398 min Scan# 902
Delta R.T. 0.141 min
Lab File: BF139007.D
Acq: 14 Aug 2024 21:47

Tgt Ion: 70 Resp: 23503
Ion Ratio Lower Upper
70 100
42 60.0 57.4 86.0
101 0.0 7.5 11.3#
130 1.4 16.4 24.6#





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.116 min Scan# 1

Delta R.T. -0.012 min

Lab File: BF139007.D

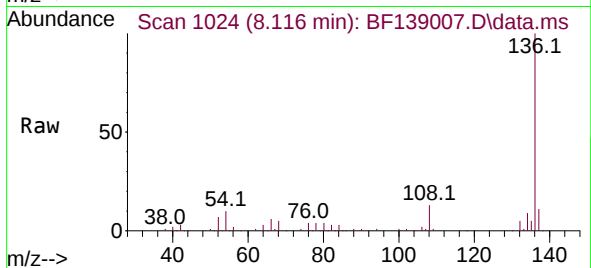
Acq: 14 Aug 2024 21:47

Instrument :

BNA_F

ClientSampleId :

S-866-N-SO-1.0-1.5-080524



Tgt Ion:136 Resp: 98470

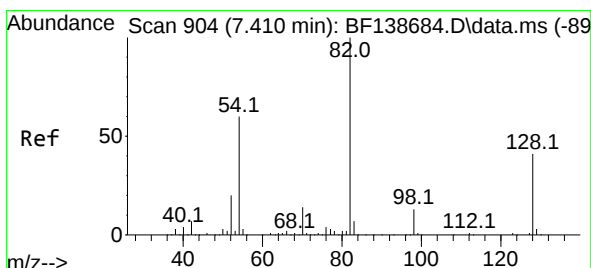
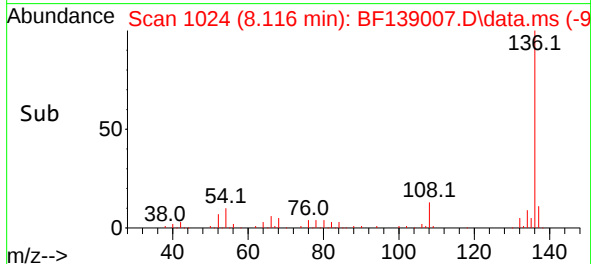
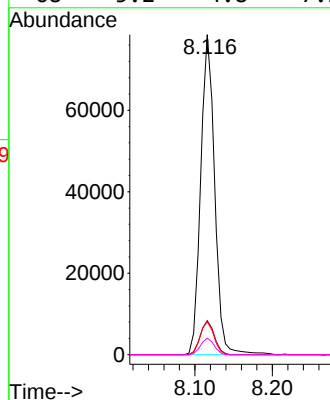
Ion Ratio Lower Upper

136 100

137 10.7 8.9 13.3

54 10.3 8.6 12.8

68 5.2 4.8 7.2



#23

Nitrobenzene-d5

Concen: 86.422 ng

RT: 7.398 min Scan# 902

Delta R.T. -0.012 min

Lab File: BF139007.D

Acq: 14 Aug 2024 21:47

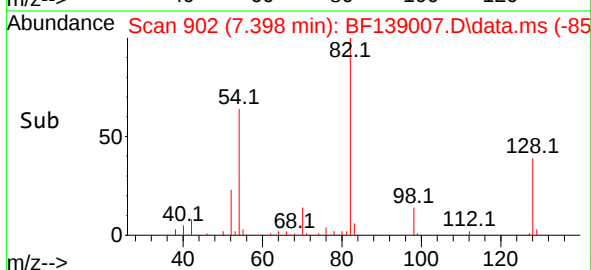
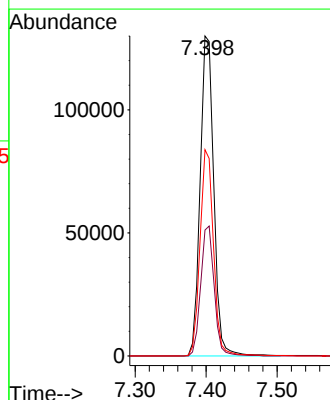
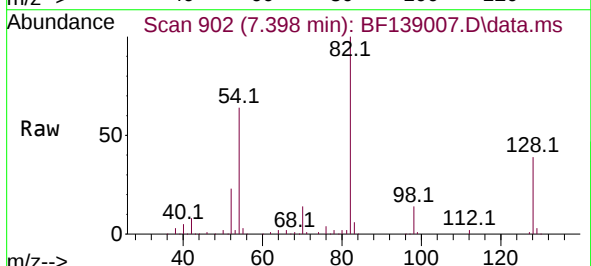
Tgt Ion: 82 Resp: 174059

Ion Ratio Lower Upper

82 100

128 39.3 32.8 49.2

54 64.5 48.3 72.5

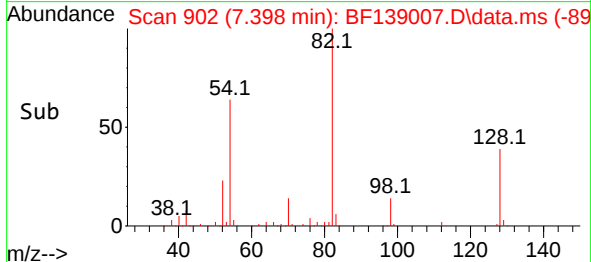
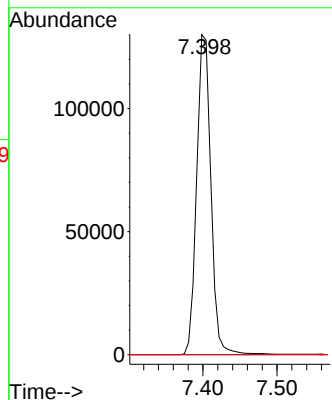
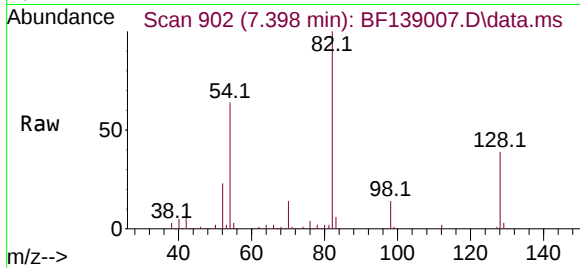




#25
Isophorone
Concen: 50.611 ng
RT: 7.398 min Scan# 90
Delta R.T. -0.271 min
Lab File: BF139007.D
Acq: 14 Aug 2024 21:47

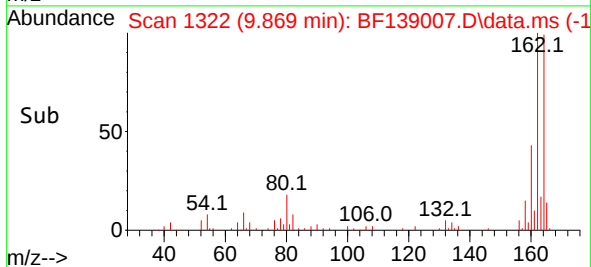
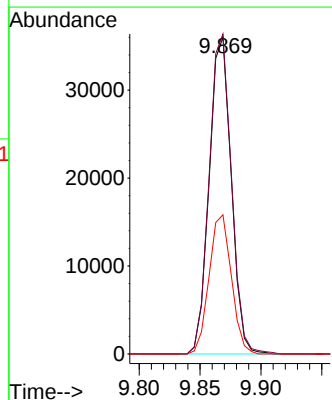
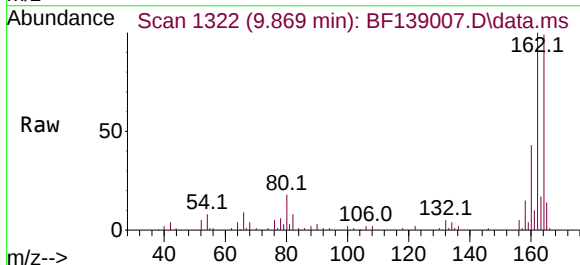
Instrument :
BNA_F
ClientSampleId :
S-866-N-SO-1.0-1.5-080524

Tgt Ion: 82 Resp: 174057
Ion Ratio Lower Upper
82 100
95 0.0 5.7 8.5#
138 0.0 13.7 20.5#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.869 min Scan# 1322
Delta R.T. -0.011 min
Lab File: BF139007.D
Acq: 14 Aug 2024 21:47

Tgt Ion:164 Resp: 45260
Ion Ratio Lower Upper
164 100
162 101.0 79.4 119.0
160 43.9 35.1 52.7





#42

2,4,6-Tribromophenol

Concen: 133.492 ng

RT: 10.657 min Scan# 1456

Delta R.T. -0.012 min

Lab File: BF139007.D

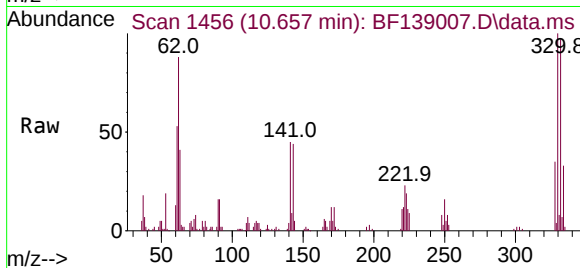
Acq: 14 Aug 2024 21:47

Instrument :

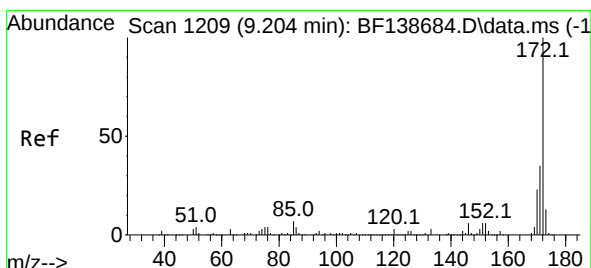
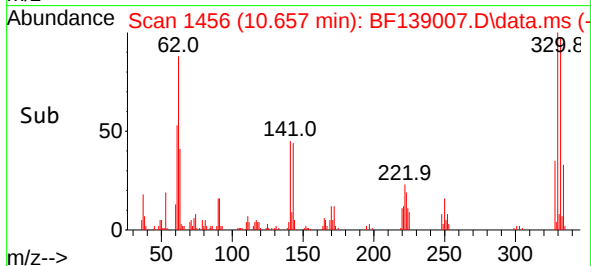
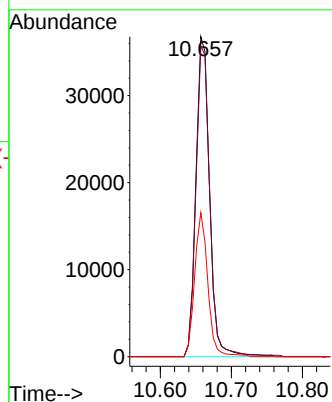
BNA_F

ClientSampleId :

S-866-N-SO-1.0-1.5-080524



Tgt Ion:	330	Resp:	49491
Ion Ratio	Lower	Upper	
330	100		
332	98.7	76.4	114.6
141	43.2	31.1	46.7



#45

2-Fluorobiphenyl

Concen: 73.684 ng

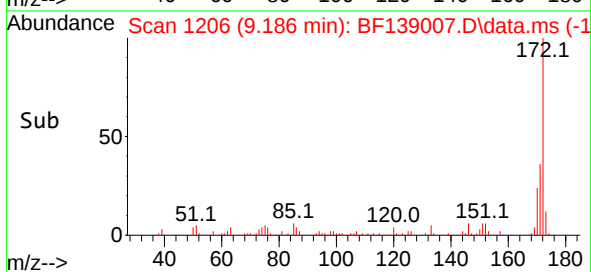
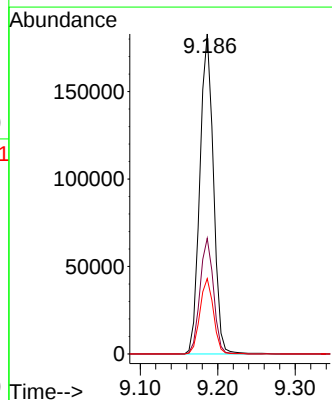
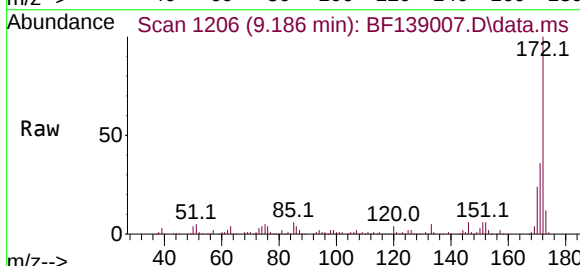
RT: 9.186 min Scan# 1206

Delta R.T. -0.018 min

Lab File: BF139007.D

Acq: 14 Aug 2024 21:47

Tgt Ion:	172	Resp:	221959
Ion Ratio	Lower	Upper	
172	100		
171	36.1	28.3	42.5
170	23.6	18.8	28.2

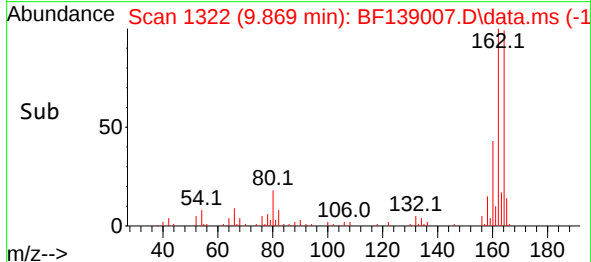
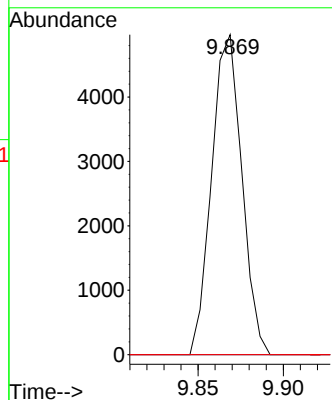
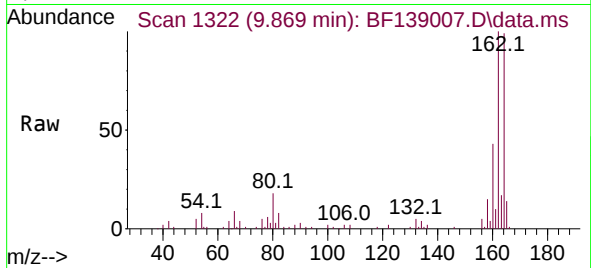




#51
2,6-Dinitrotoluene
Concen: 9.383 ng
RT: 9.869 min Scan# 11
Delta R.T. 0.200 min
Lab File: BF139007.D
Acq: 14 Aug 2024 21:47

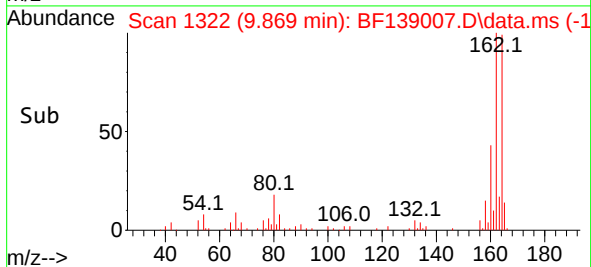
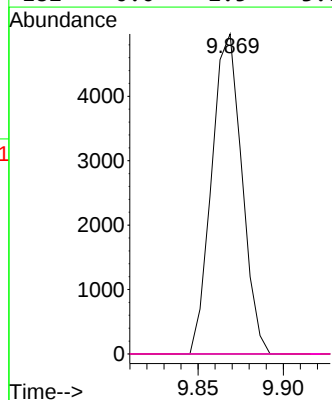
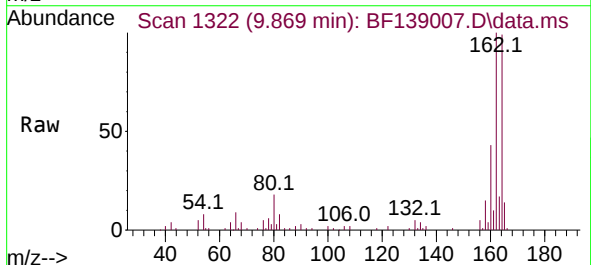
Instrument :
BNA_F
ClientSampleId :
S-866-N-SO-1.0-1.5-080524

Tgt Ion:165 Resp: 6128
Ion Ratio Lower Upper
165 100
63 0.0 52.0 78.0#
89 0.0 47.0 70.6#



#57
2,4-Dinitrotoluene
Concen: 7.354 ng
RT: 9.869 min Scan# 1322
Delta R.T. -0.200 min
Lab File: BF139007.D
Acq: 14 Aug 2024 21:47

Tgt Ion:165 Resp: 6128
Ion Ratio Lower Upper
165 100
63 0.0 46.3 69.5#
89 0.0 64.2 96.4#
182 0.0 2.5 3.7#





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.357 min Scan# 11

Delta R.T. -0.012 min

Lab File: BF139007.D

Acq: 14 Aug 2024 21:47

Instrument :

BNA_F

ClientSampleId :

S-866-N-SO-1.0-1.5-080524

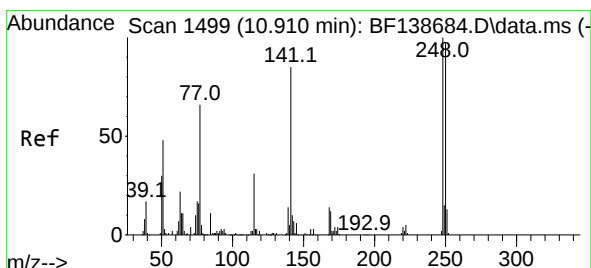
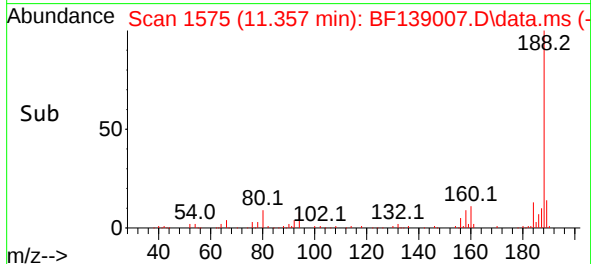
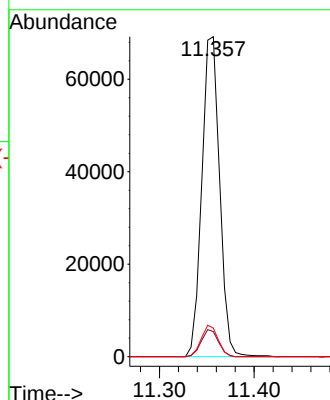
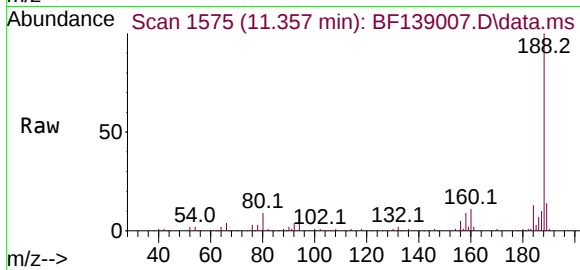
Tgt Ion:188 Resp: 90263

Ion Ratio Lower Upper

188 100

94 7.9 7.6 11.4

80 8.9 8.6 12.8



#67

4-Bromophenyl-phenylether

Concen: 3.735 ng

RT: 10.657 min Scan# 1456

Delta R.T. -0.253 min

Lab File: BF139007.D

Acq: 14 Aug 2024 21:47

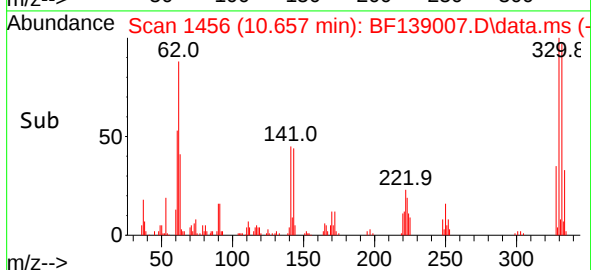
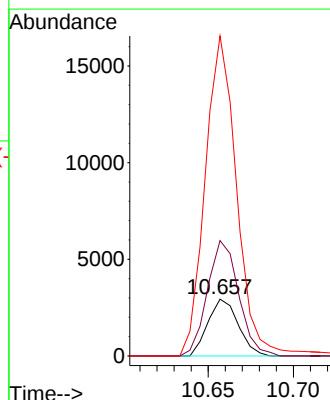
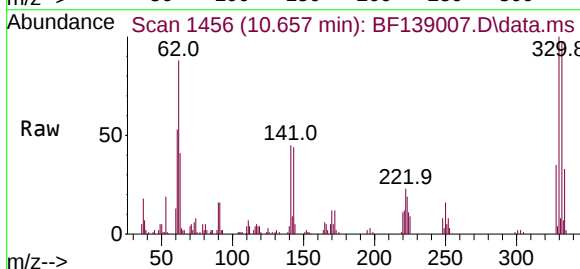
Tgt Ion:248 Resp: 3650

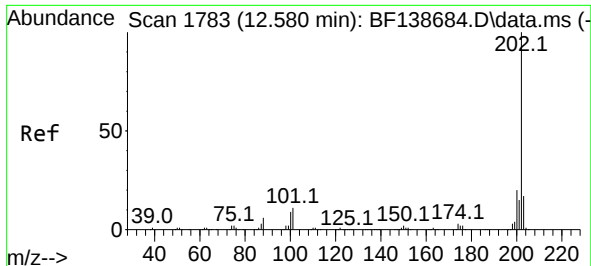
Ion Ratio Lower Upper

248 100

250 203.3 77.7 116.5#

141 563.8 68.0 102.0#

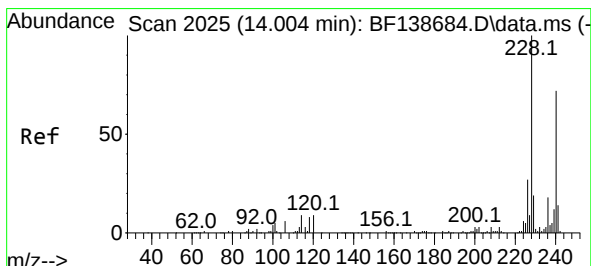
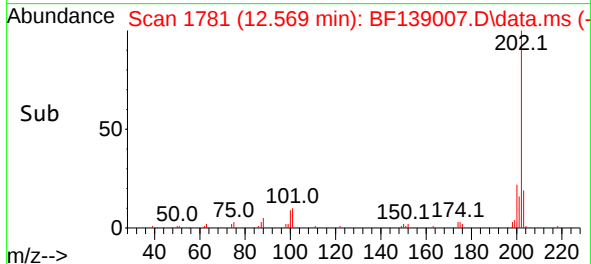
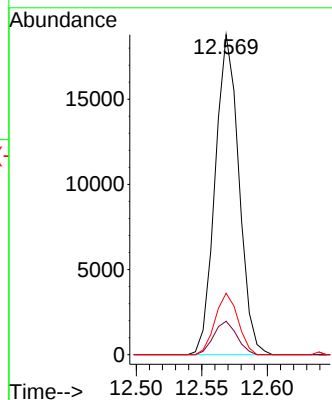
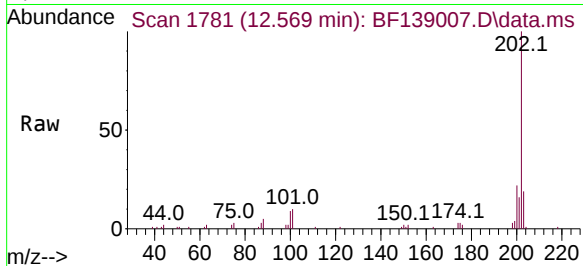




#75
Fluoranthene
Concen: 5.446 ng
RT: 12.569 min Scan# 1
Delta R.T. -0.012 min
Lab File: BF139007.D
Acq: 14 Aug 2024 21:47

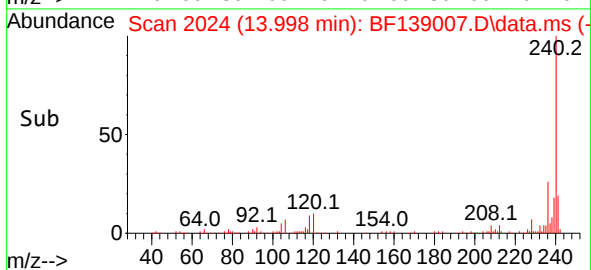
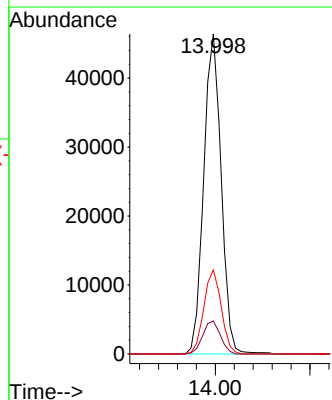
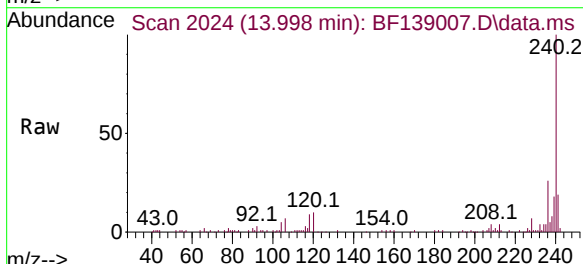
Instrument :
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S-866-N-SO-1.0-1.5-080524

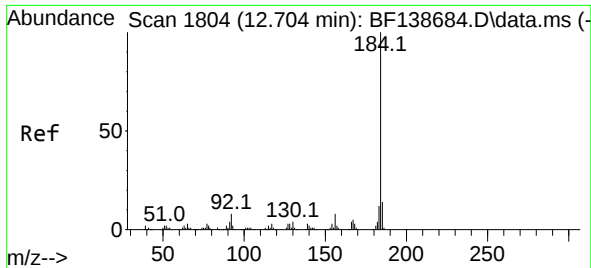
Tgt Ion:202	Resp:	23630
Ion Ratio	Lower	Upper
202	100	
101	10.5	0.0 31.2
203	19.2	0.0 37.3



#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.998 min Scan# 2024
Delta R.T. -0.006 min
Lab File: BF139007.D
Acq: 14 Aug 2024 21:47

Tgt Ion:240	Resp:	59157
Ion Ratio	Lower	Upper
240	100	
120	10.3	10.2 15.4
236	26.3	19.8 29.8

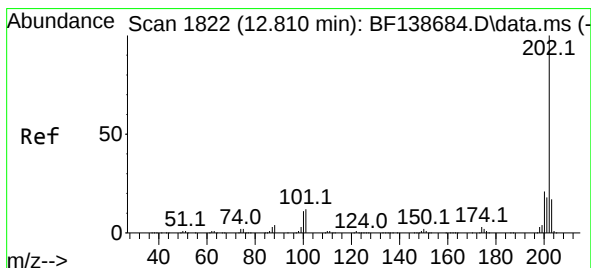
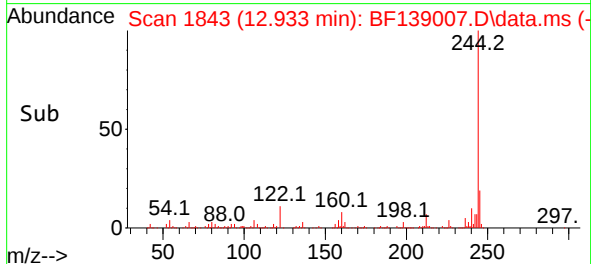
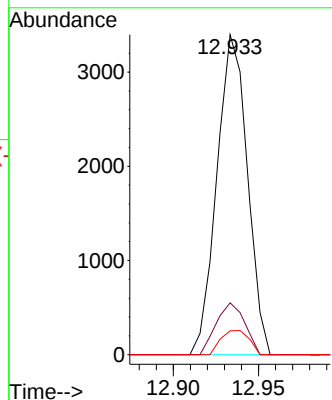
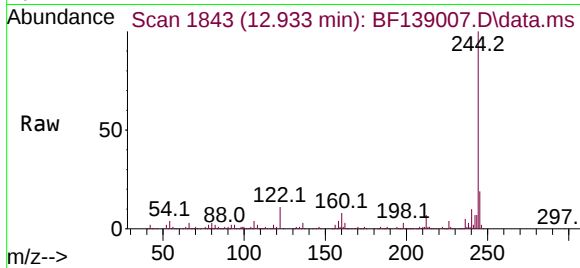




#77
Benzidine
Concen: 2.990 ng
RT: 12.933 min Scan# 1843
Delta R.T. 0.229 min
Lab File: BF139007.D
Acq: 14 Aug 2024 21:47

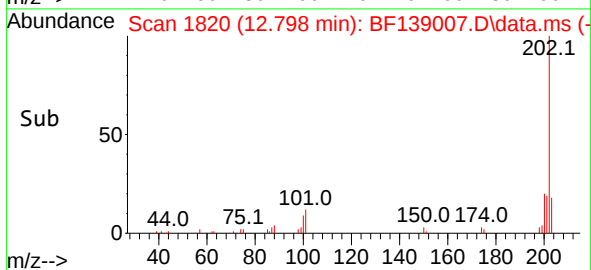
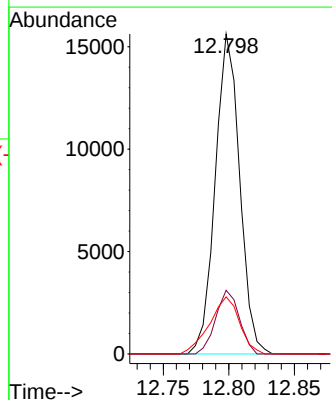
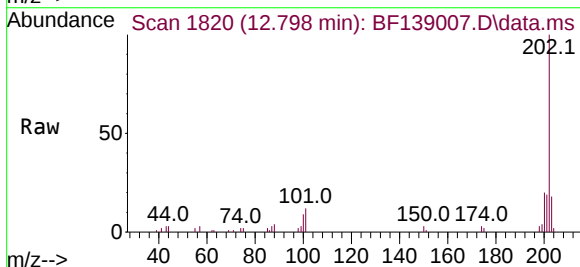
Instrument :
BNA_F
ClientSampleId :
S-866-N-SO-1.0-1.5-080524

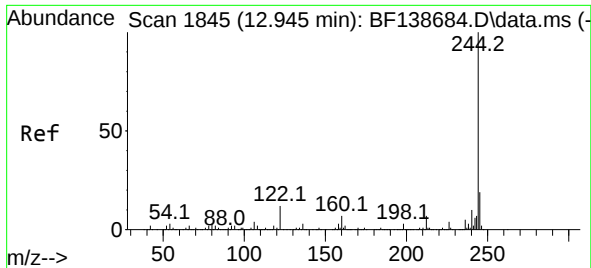
Tgt Ion:184 Resp: 4231
Ion Ratio Lower Upper
184 100
185 16.2 11.1 16.7
183 7.4 9.6 14.4#



#78
Pyrene
Concen: 3.627 ng
RT: 12.798 min Scan# 1820
Delta R.T. -0.012 min
Lab File: BF139007.D
Acq: 14 Aug 2024 21:47

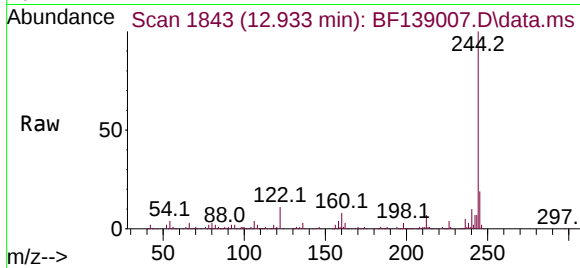
Tgt Ion:202 Resp: 20203
Ion Ratio Lower Upper
202 100
200 19.9 16.8 25.2
203 17.9 13.8 20.6



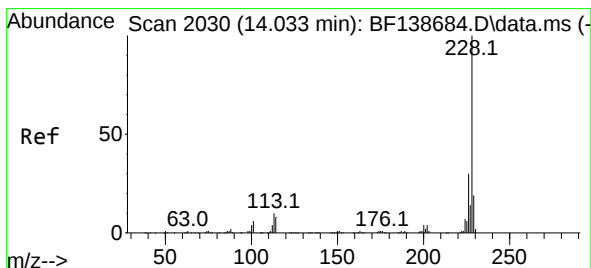
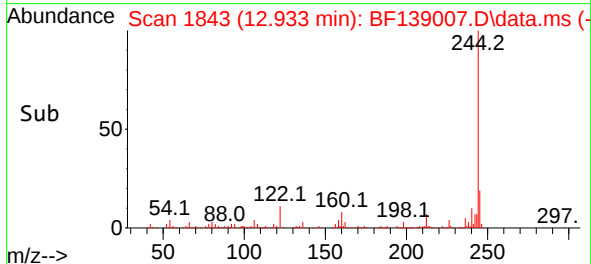
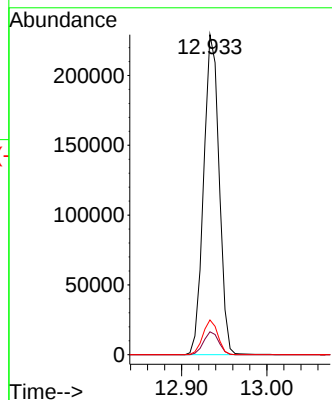


#79
 Terphenyl-d14
 Concen: 81.840 ng
 RT: 12.933 min Scan# 11
 Delta R.T. -0.012 min
 Lab File: BF139007.D
 Acq: 14 Aug 2024 21:47

Instrument :
 BNA_F
 ClientSampleId :
 S-866-N-SO-1.0-1.5-080524

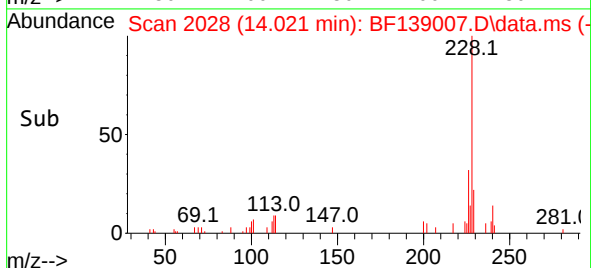
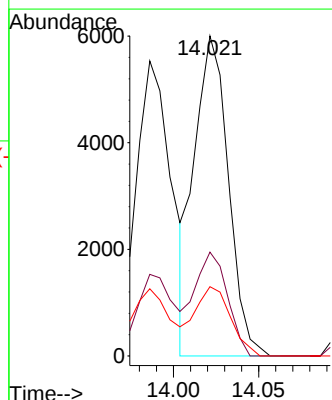
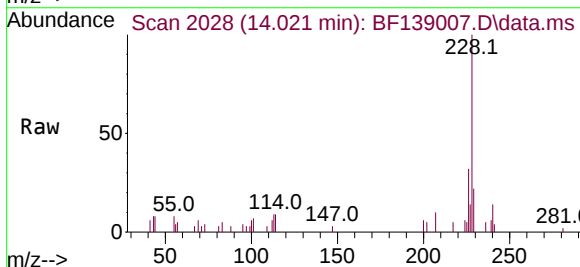


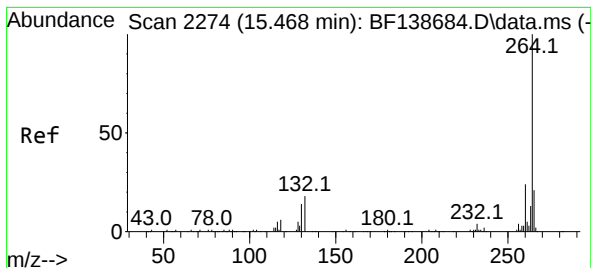
Tgt Ion:244 Resp: 289167
 Ion Ratio Lower Upper
 244 100
 212 7.2 5.4 8.2
 122 10.9 9.6 14.4



#83
 Chrysene
 Concen: 2.260 ng
 RT: 14.021 min Scan# 2028
 Delta R.T. -0.012 min
 Lab File: BF139007.D
 Acq: 14 Aug 2024 21:47

Tgt Ion:228 Resp: 8307
 Ion Ratio Lower Upper
 228 100
 226 32.5 23.7 35.5
 229 21.7 15.0 22.6





#86

Perylene-d12

Concen: 20.000 ng

RT: 15.463 min Scan# 21

Delta R.T. -0.006 min

Lab File: BF139007.D

Acq: 14 Aug 2024 21:47

Instrument :

BNA_F

ClientSampleId :

S-866-N-SO-1.0-1.5-080524

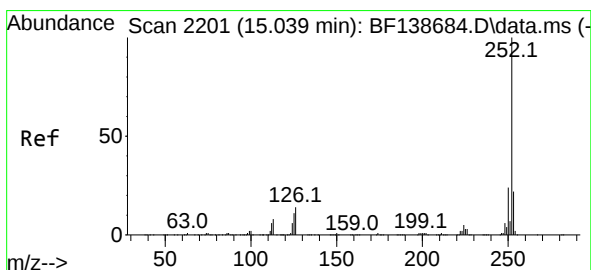
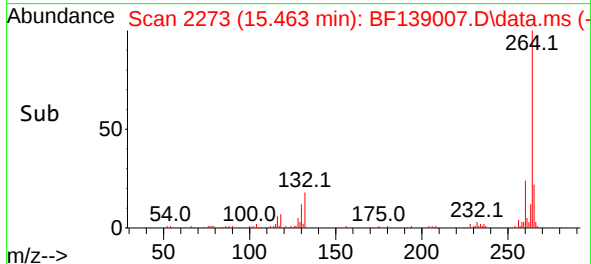
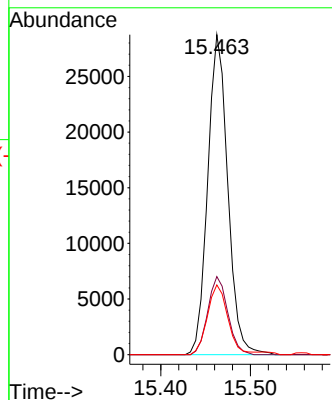
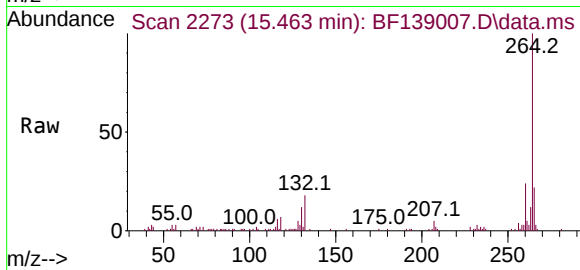
Tgt Ion:264 Resp: 44596

Ion Ratio Lower Upper

264 100

260 24.4 19.0 28.6

265 21.8 17.0 25.6



#88

Benzo(b)fluoranthene

Concen: 4.474 ng

RT: 15.039 min Scan# 2201

Delta R.T. 0.000 min

Lab File: BF139007.D

Acq: 14 Aug 2024 21:47

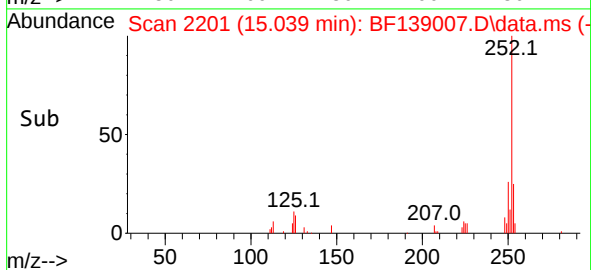
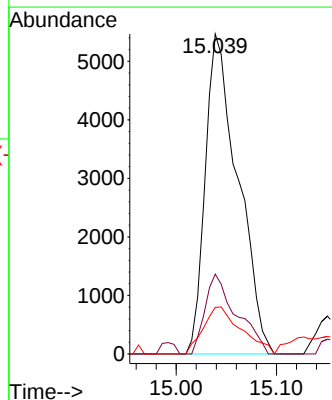
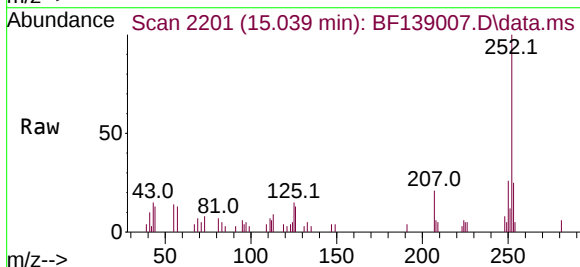
Tgt Ion:252 Resp: 12368

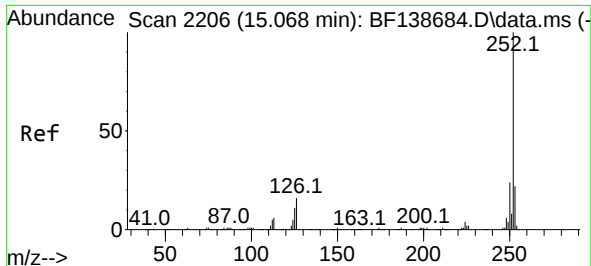
Ion Ratio Lower Upper

252 100

253 25.0 17.5 26.3

125 14.5 8.9 13.3#





#89

Benzo(k)fluoranthene

Concen: 5.167 ng

RT: 15.039 min Scan# 21

Delta R.T. -0.029 min

Lab File: BF139007.D

Acq: 14 Aug 2024 21:47

Instrument :

BNA_F

ClientSampleId :

S-866-N-SO-1.0-1.5-080524

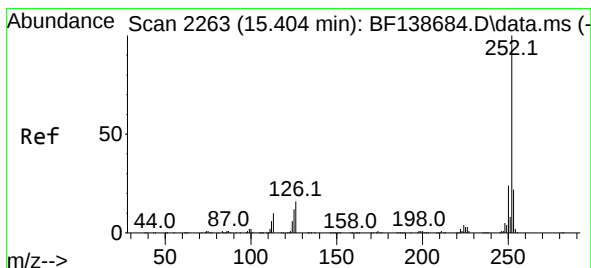
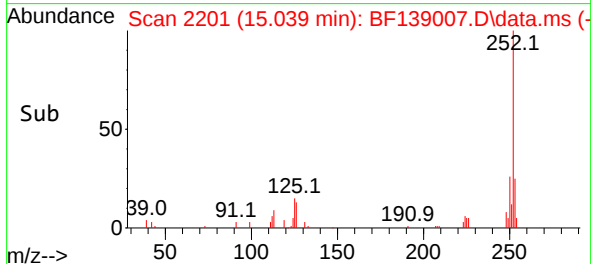
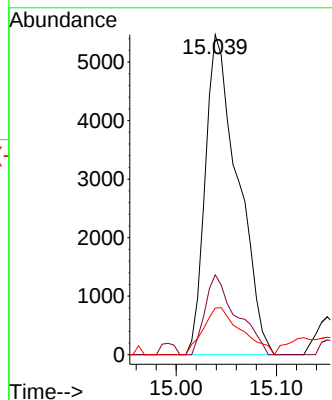
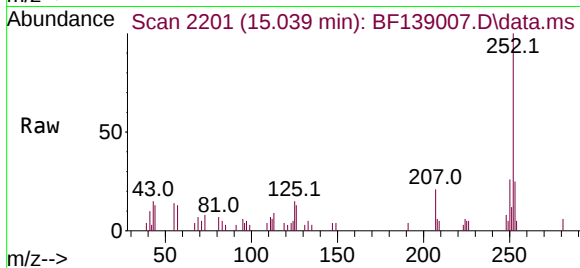
Tgt Ion:252 Resp: 12368

Ion Ratio Lower Upper

252 100

253 25.0 17.4 26.0

125 14.5 8.6 13.0#



#90

Benzo(a)pyrene

Concen: 2.492 ng

RT: 15.404 min Scan# 2263

Delta R.T. 0.000 min

Lab File: BF139007.D

Acq: 14 Aug 2024 21:47

Tgt Ion:252 Resp: 5795

Ion Ratio Lower Upper

252 100

253 24.4 17.3 25.9

125 13.4 9.5 14.3

