

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF080624\
 Data File : BF138826.D
 Acq On : 07 Aug 2024 01:34
 Operator : RC/JU
 Sample : P3441-01
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 BU-02-08012024RE

Quant Time: Aug 07 03:22:30 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)

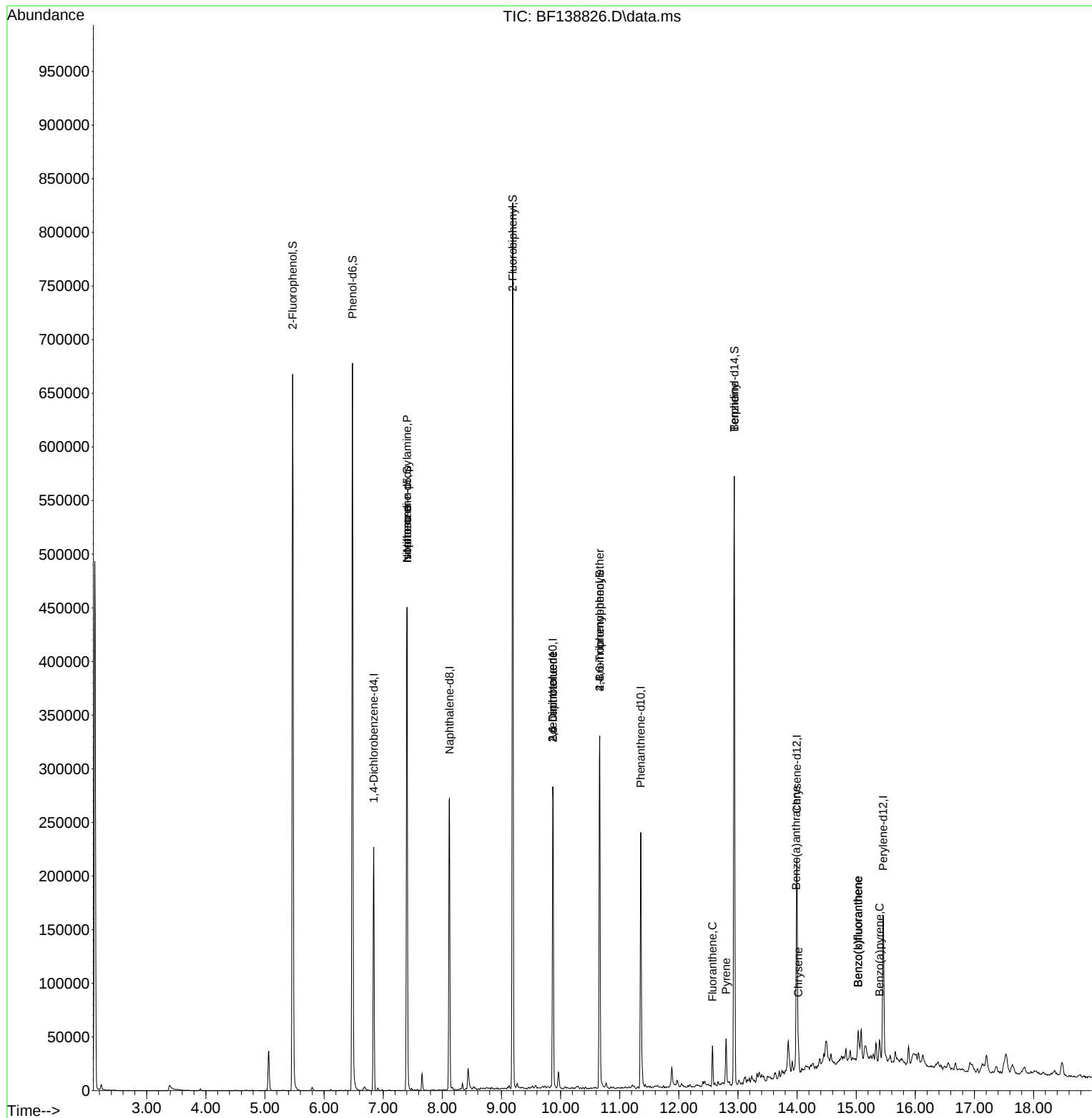
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.839	152	43161	20.000	ng	0.00
21) Naphthalene-d8	8.122	136	169060	20.000	ng	0.00
39) Acenaphthene-d10	9.869	164	81910	20.000	ng	-0.01
64) Phenanthrene-d10	11.357	188	117967	20.000	ng	-0.01
76) Chrysene-d12	13.998	240	84666	20.000	ng	# 0.00
86) Perylene-d12	15.456	264	70272	20.000	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.469	112	224499	80.292	ng	0.00
7) Phenol-d6	6.481	99	290025	77.258	ng	0.00
23) Nitrobenzene-d5	7.404	82	188401	54.485	ng	0.00
42) 2,4,6-Tribromophenol	10.663	330	47593	70.933	ng	0.00
45) 2-Fluorobiphenyl	9.192	172	334398	61.340	ng	-0.01
79) Terphenyl-d14	12.939	244	260805	51.574	ng	0.00
Target Compounds						
						Qvalue
19) n-Nitroso-di-n-propyla...	7.404	70	25698	11.334	ng	# 77
25) Isophorone	7.404	82	186557	31.596	ng	# 66
51) 2,6-Dinitrotoluene	9.869	165	10155	8.591	ng	# 19
57) 2,4-Dinitrotoluene	9.869	165	10155	6.734	ng	# 16
67) 4-Bromophenyl-phenylether	10.663	248	3427	2.683	ng	# 1
75) Fluoranthene	12.568	202	20189	3.560	ng	96
77) Benzidine	12.939	184	4355	2.151	ng	# 88
78) Pyrene	12.798	202	24008	3.012	ng	97
81) Benzo(a)anthracene	13.986	228	12932	2.218	ng	# 92
83) Chrysene	14.021	228	12288	2.336	ng	# 92
88) Benzo(b)fluoranthene	15.033	252	19814	4.548	ng	93
89) Benzo(k)fluoranthene	15.033	252	19814	5.253	ng	# 92
90) Benzo(a)pyrene	15.398	252	10129	2.764	ng	# 92

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

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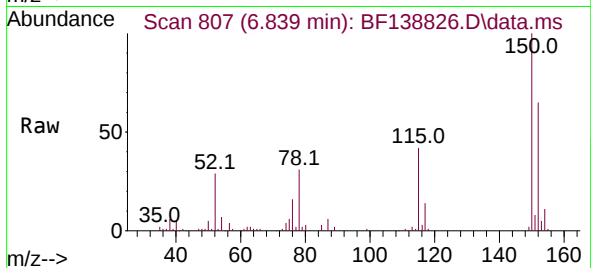
Quant Time: Aug 07 03:22:30 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF073024.M
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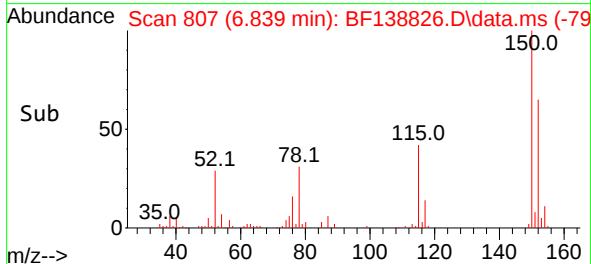
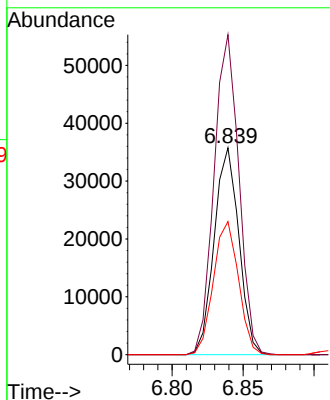


#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.839 min Scan# 80
Delta R.T. -0.006 min
Lab File: BF138826.D
Acq: 07 Aug 2024 01:34

Instrument :
BNA_F
ClientSampleId :
BU-02-08012024RE

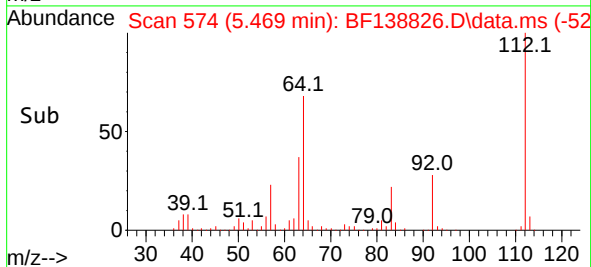
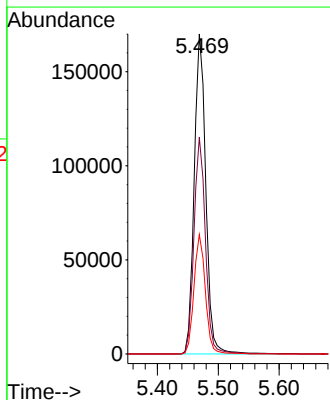
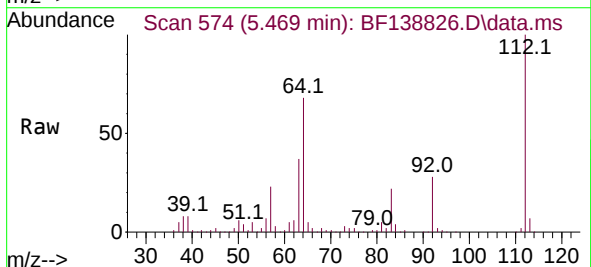


Tgt Ion:152 Resp: 43161
Ion Ratio Lower Upper
152 100
150 154.7 126.0 189.0
115 64.3 51.7 77.5



#5
2-Fluorophenol
Concen: 80.292 ng
RT: 5.469 min Scan# 574
Delta R.T. -0.000 min
Lab File: BF138826.D
Acq: 07 Aug 2024 01:34

Tgt Ion:112 Resp: 224499
Ion Ratio Lower Upper
112 100
64 67.7 54.2 81.4
63 37.3 28.7 43.1

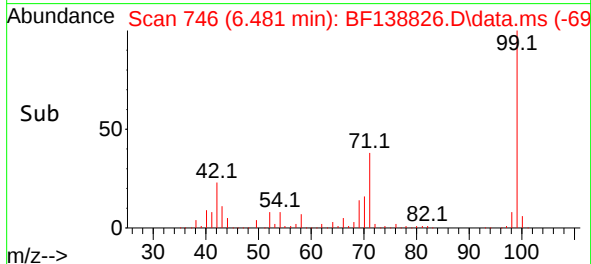
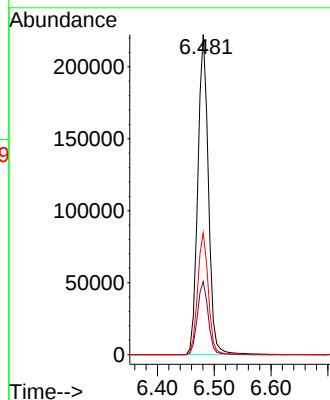
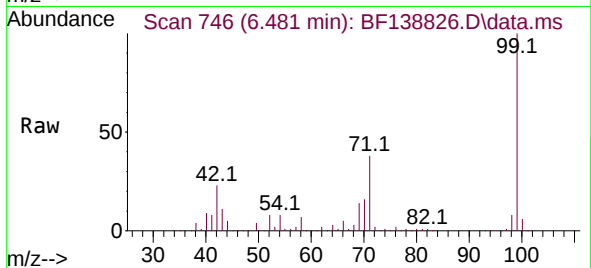




#7
Phenol-d6
Concen: 77.258 ng
RT: 6.481 min Scan# 74
Delta R.T. -0.006 min
Lab File: BF138826.D
Acq: 07 Aug 2024 01:34

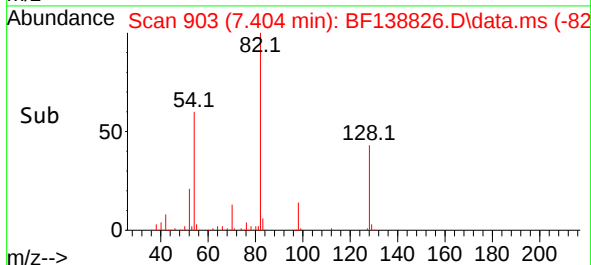
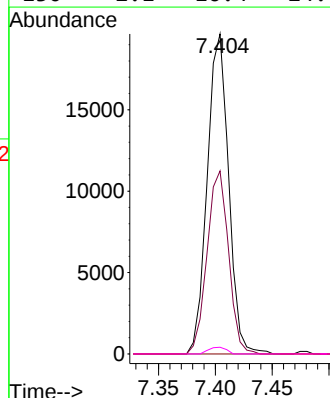
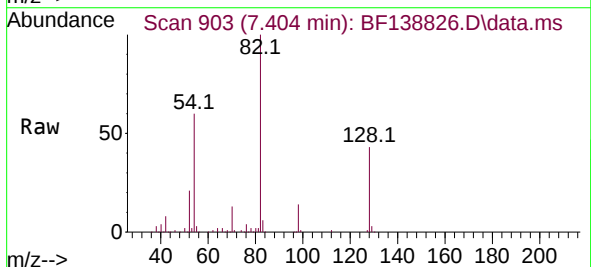
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BU-02-08012024RE

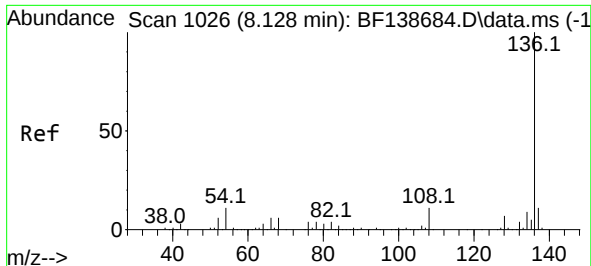
Tgt Ion: 99 Resp: 290025
Ion Ratio Lower Upper
99 100
42 22.9 17.4 26.0
71 38.0 28.1 42.1



#19
n-Nitroso-di-n-propylamine
Concen: 11.334 ng
RT: 7.404 min Scan# 903
Delta R.T. 0.147 min
Lab File: BF138826.D
Acq: 07 Aug 2024 01:34

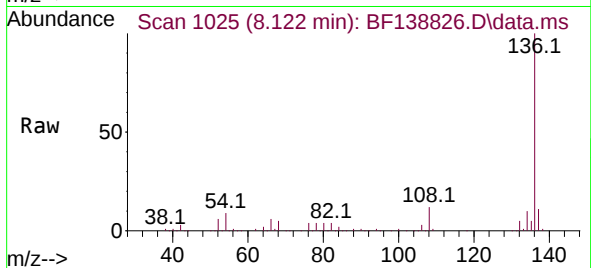
Tgt Ion: 70 Resp: 25698
Ion Ratio Lower Upper
70 100
42 57.2 57.4 86.0#
101 0.0 7.5 11.3#
130 2.1 16.4 24.6#



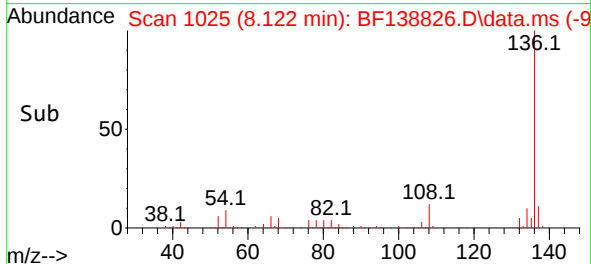
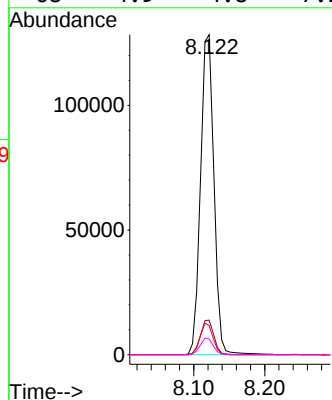


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.122 min Scan# 1025
Delta R.T. -0.006 min
Lab File: BF138826.D
Acq: 07 Aug 2024 01:34

Instrument :
BNA_F
ClientSampleId :
BU-02-08012024RE

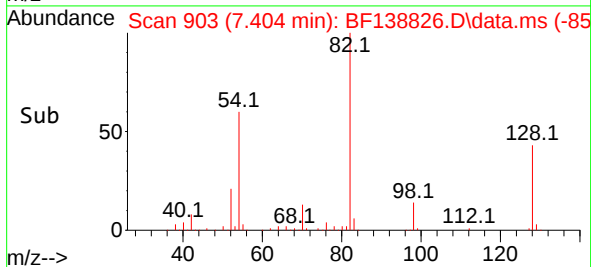
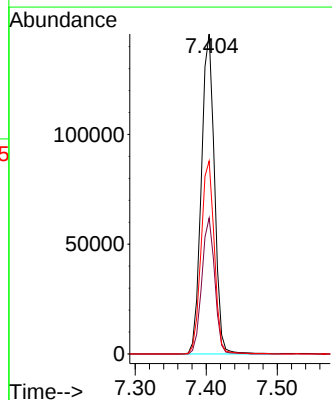
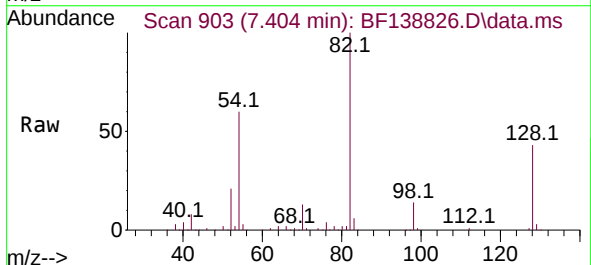


Tgt Ion:136 Resp: 169060
Ion Ratio Lower Upper
136 100
137 10.8 8.9 13.3
54 9.1 8.6 12.8
68 4.9 4.8 7.2



#23
Nitrobenzene-d5
Concen: 54.485 ng
RT: 7.404 min Scan# 903
Delta R.T. -0.006 min
Lab File: BF138826.D
Acq: 07 Aug 2024 01:34

Tgt Ion: 82 Resp: 188401
Ion Ratio Lower Upper
82 100
128 42.5 32.8 49.2
54 60.3 48.3 72.5

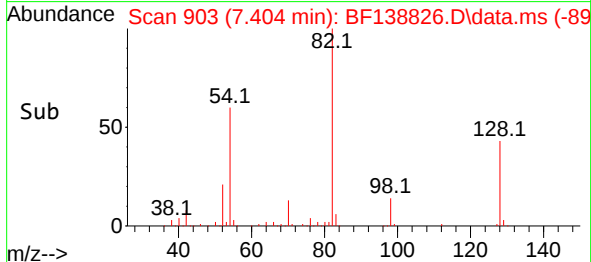
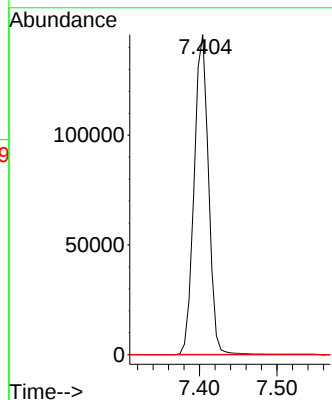
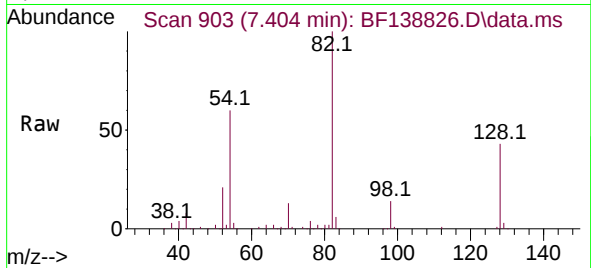




#25
Isophorone
Concen: 31.596 ng
RT: 7.404 min Scan# 90
Delta R.T. -0.265 min
Lab File: BF138826.D
Acq: 07 Aug 2024 01:34

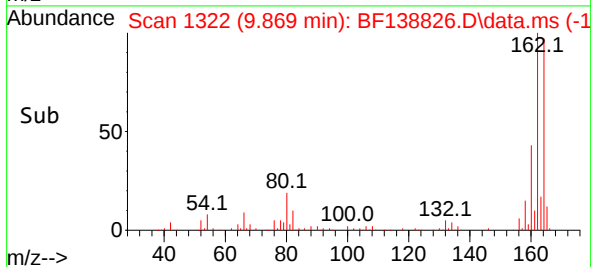
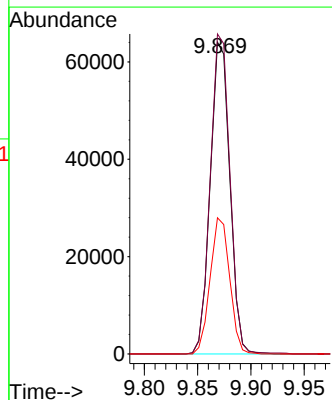
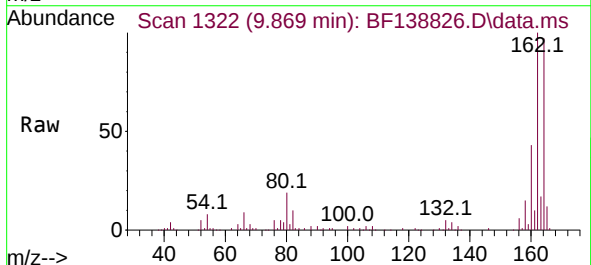
Instrument :
BNA_F
ClientSampleId :
BU-02-08012024RE

Tgt Ion: 82 Resp: 186557
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: BF138826.D
Acq: 07 Aug 2024 01:34

Tgt Ion:164 Resp: 81910
Ion Ratio Lower Upper
164 100
162 102.6 79.4 119.0
160 43.7 35.1 52.7





#42

2,4,6-Tribromophenol

Concen: 70.933 ng

RT: 10.663 min Scan# 1458

Delta R.T. -0.006 min

Lab File: BF138826.D

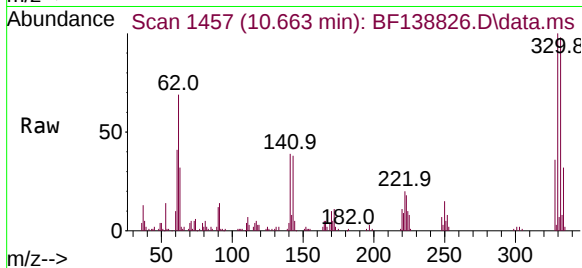
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Instrument :

BNA_F

ClientSampleId :

BU-02-08012024RE



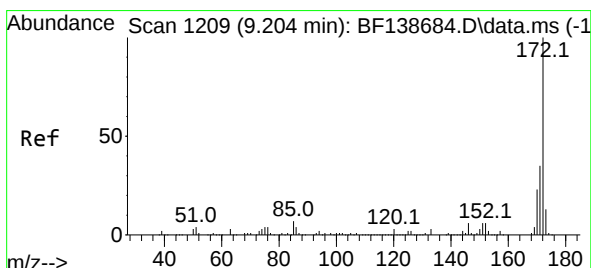
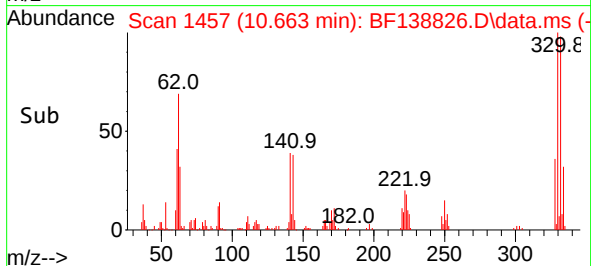
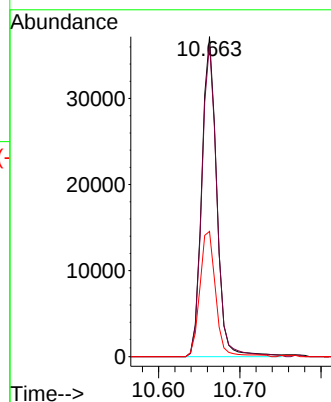
Tgt Ion:330 Resp: 47593

Ion Ratio Lower Upper

330 100

332 97.9 76.4 114.6

141 41.5 31.1 46.7



#45

2-Fluorobiphenyl

Concen: 61.340 ng

RT: 9.192 min Scan# 1207

Delta R.T. -0.012 min

Lab File: BF138826.D

Acq: 07 Aug 2024 01:34

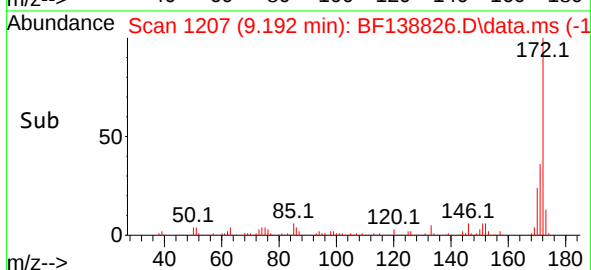
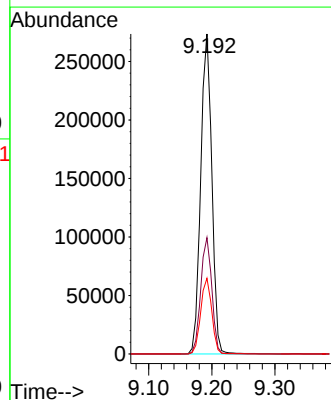
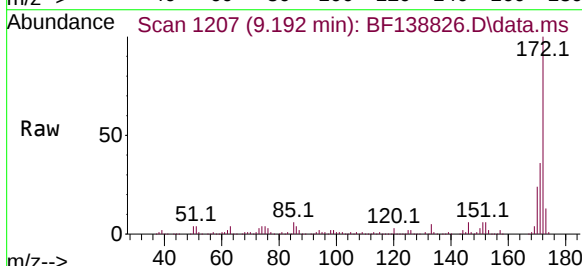
Tgt Ion:172 Resp: 334398

Ion Ratio Lower Upper

172 100

171 36.4 28.3 42.5

170 23.6 18.8 28.2

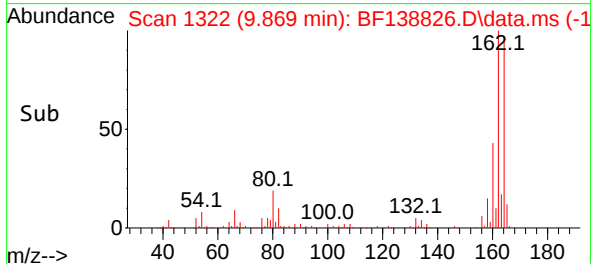
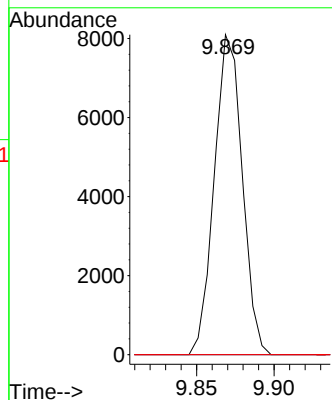
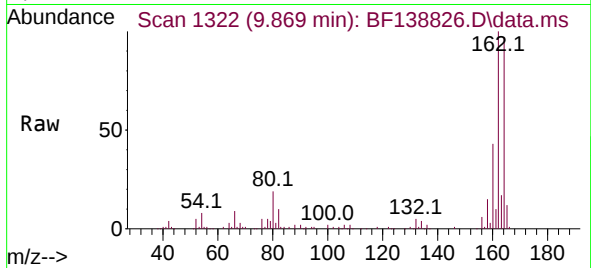




#51
2,6-Dinitrotoluene
Concen: 8.591 ng
RT: 9.869 min Scan# 11
Delta R.T. 0.200 min
Lab File: BF138826.D
Acq: 07 Aug 2024 01:34

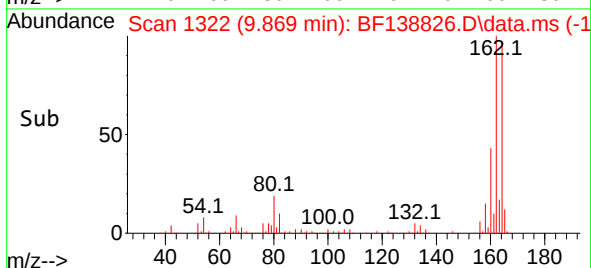
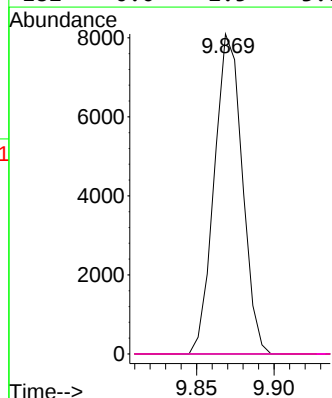
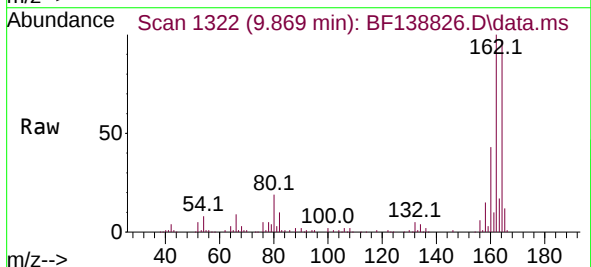
Instrument :
BNA_F
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BU-02-08012024RE

Tgt Ion:165 Resp: 10155
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: 6.734 ng
RT: 9.869 min Scan# 1322
Delta R.T. -0.200 min
Lab File: BF138826.D
Acq: 07 Aug 2024 01:34

Tgt Ion:165 Resp: 10155
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# 1

Delta R.T. -0.012 min

Lab File: BF138826.D

Acq: 07 Aug 2024 01:34

Instrument :

BNA_F

ClientSampleId :

BU-02-08012024RE

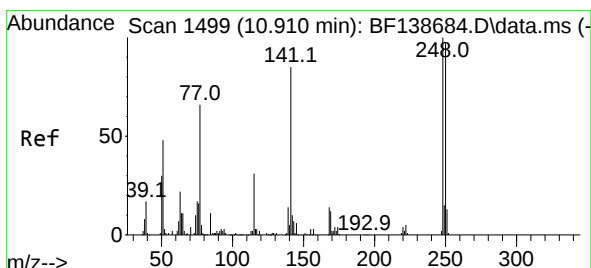
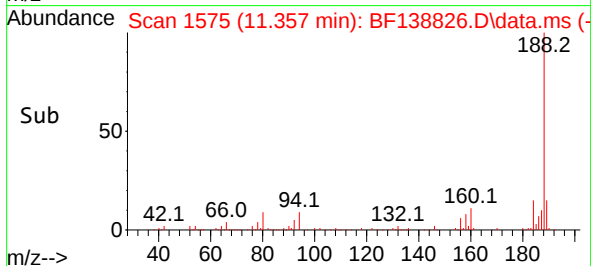
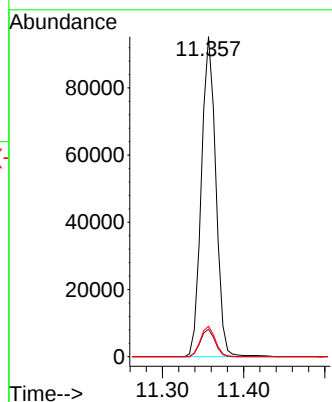
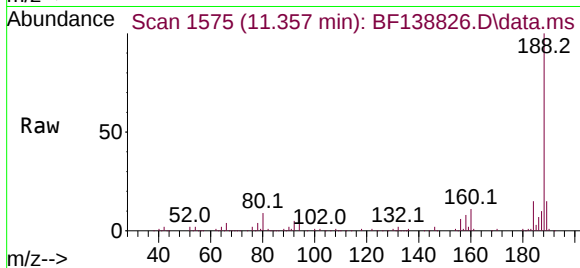
Tgt Ion:188 Resp: 117967

Ion Ratio Lower Upper

188 100

94 8.6 7.6 11.4

80 9.5 8.6 12.8



#67

4-Bromophenyl-phenylether

Concen: 2.683 ng

RT: 10.663 min Scan# 1457

Delta R.T. -0.247 min

Lab File: BF138826.D

Acq: 07 Aug 2024 01:34

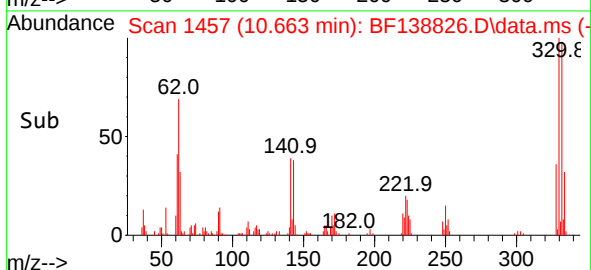
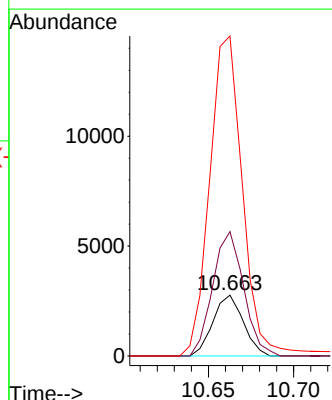
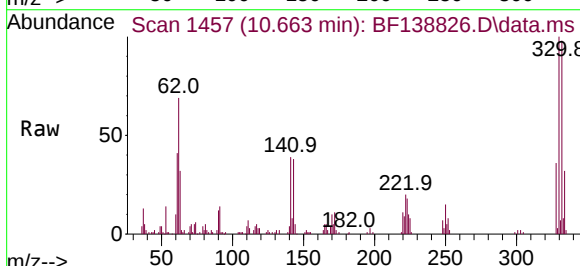
Tgt Ion:248 Resp: 3427

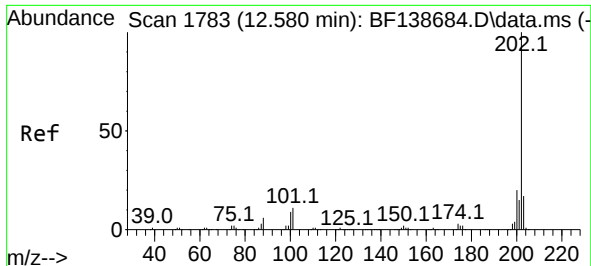
Ion Ratio Lower Upper

248 100

250 204.4 77.7 116.5#

141 526.3 68.0 102.0#

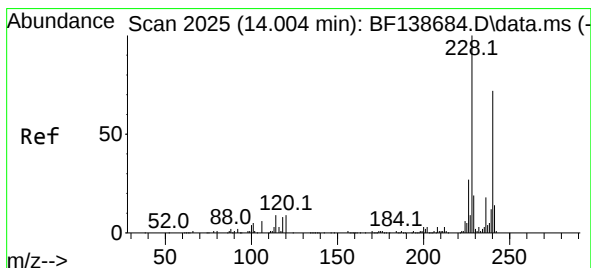
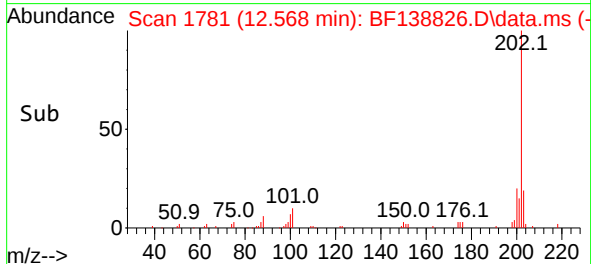
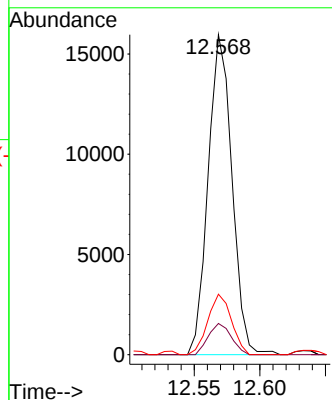
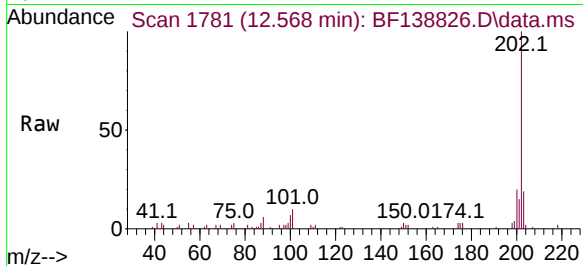




#75
Fluoranthene
Concen: 3.560 ng
RT: 12.568 min Scan# 1
Delta R.T. -0.012 min
Lab File: BF138826.D
Acq: 07 Aug 2024 01:34

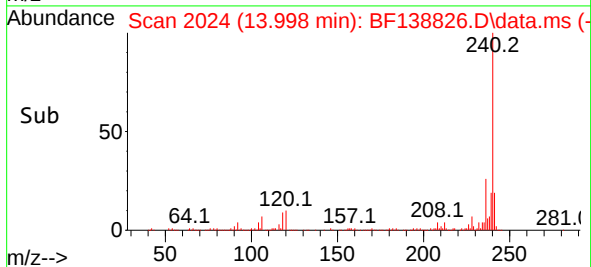
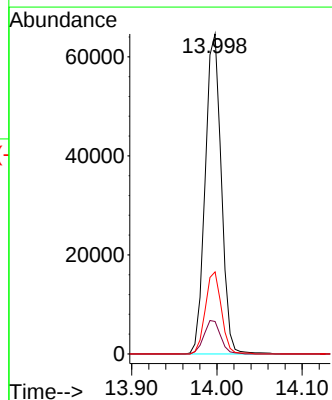
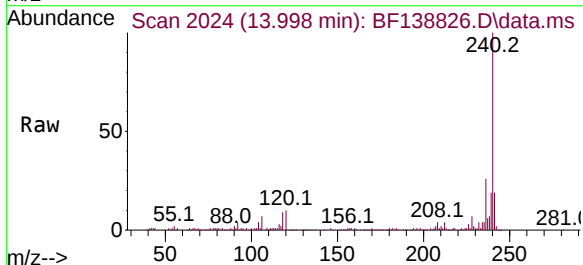
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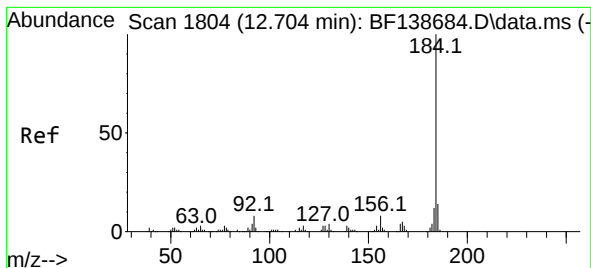
Tgt Ion:	202	Resp:	20189
Ion	Ratio	Lower	Upper
202	100		
101	9.8	0.0	31.2
203	18.9	0.0	37.3



#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.998 min Scan# 2024
Delta R.T. -0.006 min
Lab File: BF138826.D
Acq: 07 Aug 2024 01:34

Tgt Ion:	240	Resp:	84666
Ion	Ratio	Lower	Upper
240	100		
120	10.2	10.2	15.4#
236	25.6	19.8	29.8





#77

Benzidine

Concen: 2.151 ng

RT: 12.939 min Scan# 1844

Delta R.T. 0.235 min

Lab File: BF138826.D

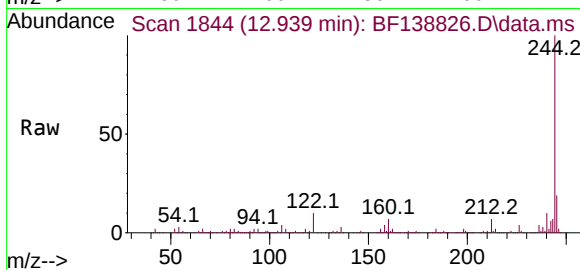
Acq: 07 Aug 2024 01:34

Instrument :

BNA_F

ClientSampleId :

BU-02-08012024RE



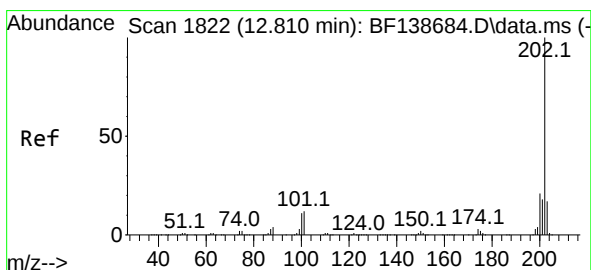
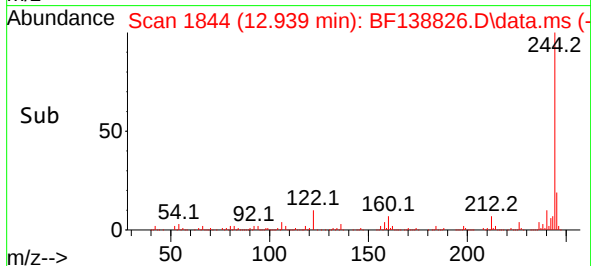
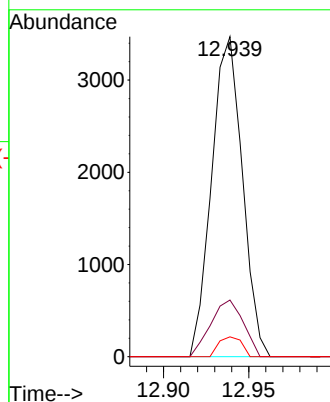
Tgt Ion:184 Resp: 4355

Ion Ratio Lower Upper

184 100

185 17.7 11.1 16.7#

183 6.2 9.6 14.4#



#78

Pyrene

Concen: 3.012 ng

RT: 12.798 min Scan# 1820

Delta R.T. -0.012 min

Lab File: BF138826.D

Acq: 07 Aug 2024 01:34

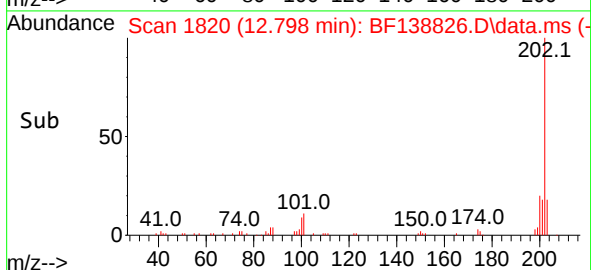
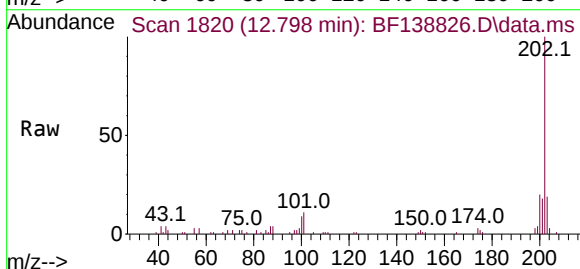
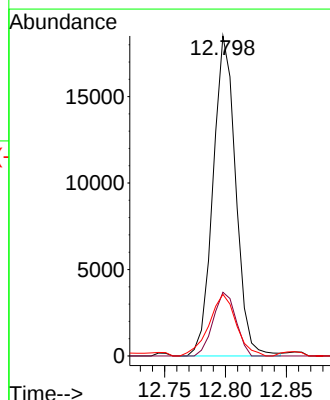
Tgt Ion:202 Resp: 24008

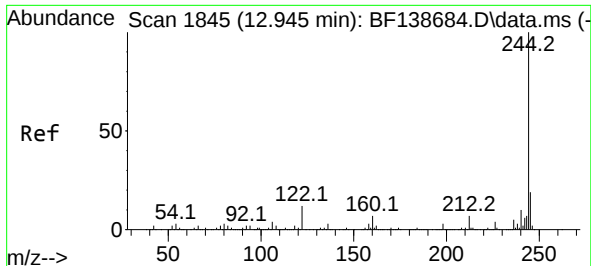
Ion Ratio Lower Upper

202 100

200 19.9 16.8 25.2

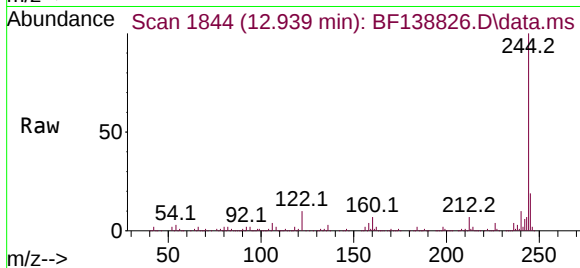
203 19.2 13.8 20.6



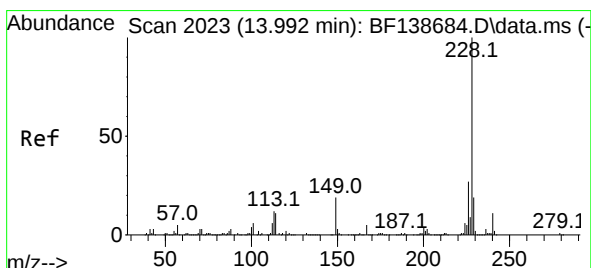
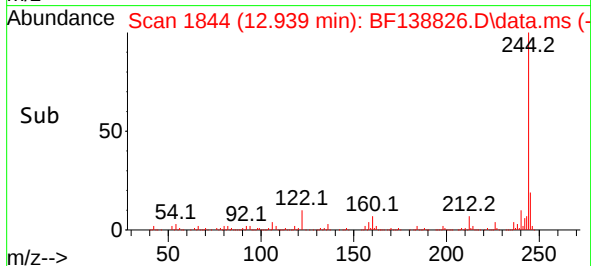
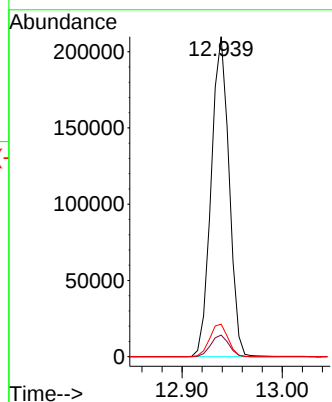


#79
Terphenyl-d14
Concen: 51.574 ng
RT: 12.939 min Scan# 1844
Delta R.T. -0.006 min
Lab File: BF138826.D
Acq: 07 Aug 2024 01:34

Instrument :
BNA_F
ClientSampleId :
BU-02-08012024RE

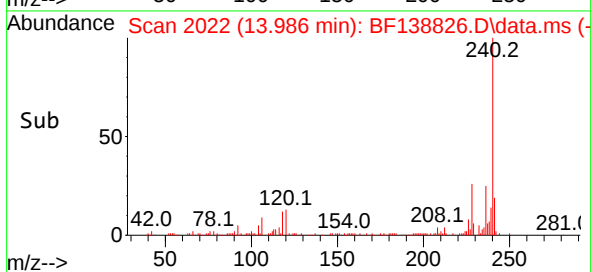
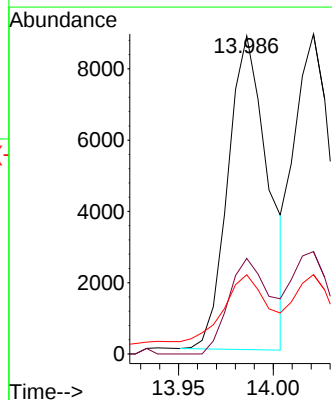
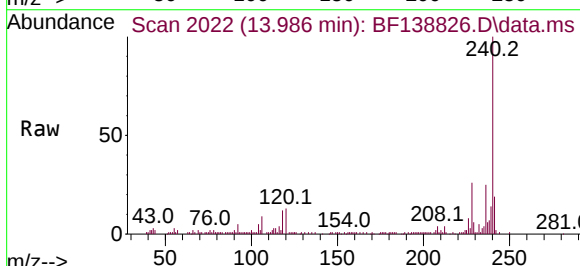


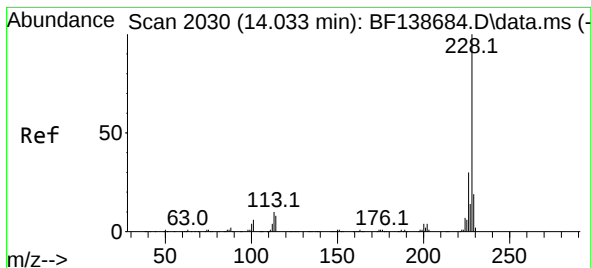
Tgt Ion:244 Resp: 260805
Ion Ratio Lower Upper
244 100
212 6.8 5.4 8.2
122 10.1 9.6 14.4



#81
Benzo(a)anthracene
Concen: 2.218 ng
RT: 13.986 min Scan# 2022
Delta R.T. -0.006 min
Lab File: BF138826.D
Acq: 07 Aug 2024 01:34

Tgt Ion:228 Resp: 12932
Ion Ratio Lower Upper
228 100
226 30.0 22.1 33.1
229 24.9 15.4 23.0#





#83

Chrysene

Concen: 2.336 ng

RT: 14.021 min Scan# 2030

Delta R.T. -0.012 min

Lab File: BF138826.D

Acq: 07 Aug 2024 01:34

Instrument :

BNA_F

ClientSampleId :

BU-02-08012024RE

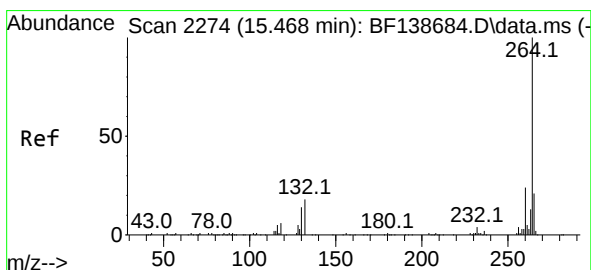
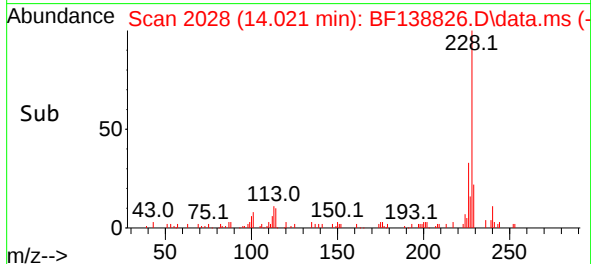
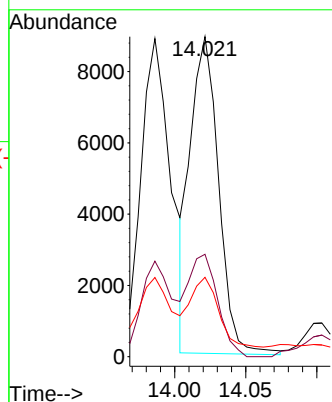
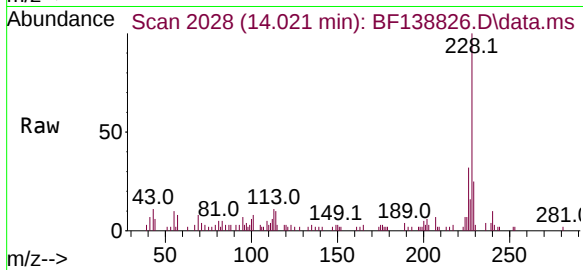
Tgt Ion:228 Resp: 12288

Ion Ratio Lower Upper

228 100

226 32.0 23.7 35.5

229 24.8 15.0 22.6#



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.456 min Scan# 2272

Delta R.T. -0.012 min

Lab File: BF138826.D

Acq: 07 Aug 2024 01:34

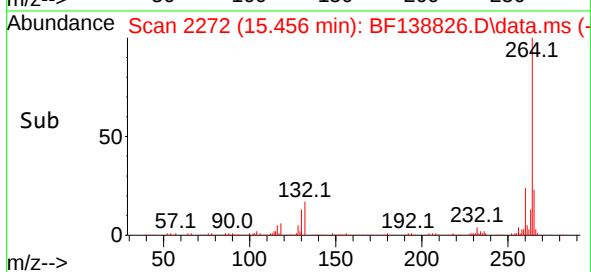
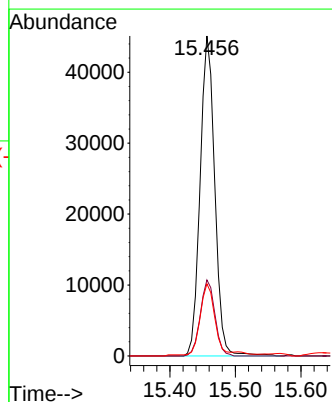
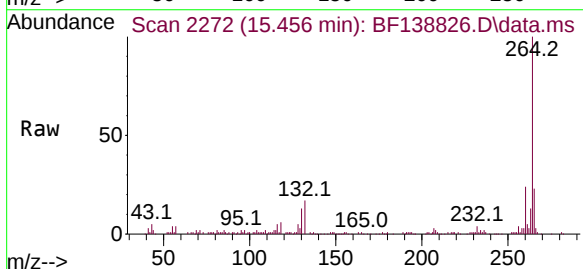
Tgt Ion:264 Resp: 70272

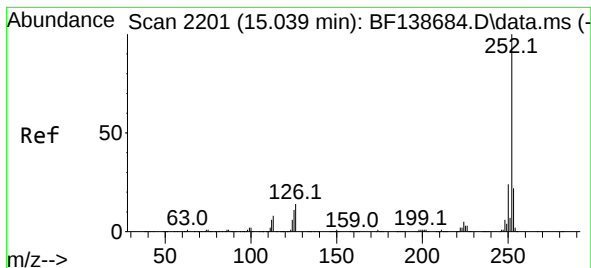
Ion Ratio Lower Upper

264 100

260 23.7 19.0 28.6

265 22.6 17.0 25.6





#88

Benzo(b)fluoranthene

Concen: 4.548 ng

RT: 15.033 min Scan# 21

Delta R.T. -0.006 min

Lab File: BF138826.D

Acq: 07 Aug 2024 01:34

Instrument :

BNA_F

ClientSampleId :

BU-02-08012024RE

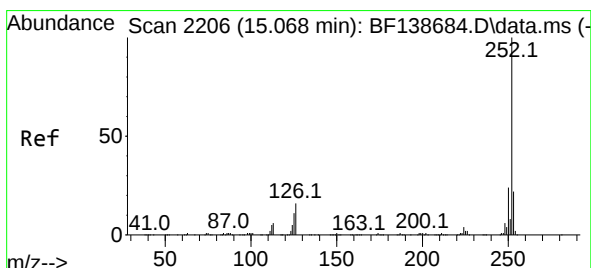
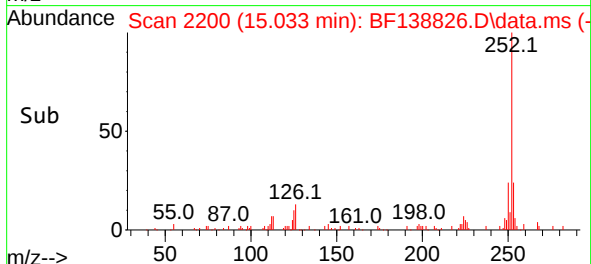
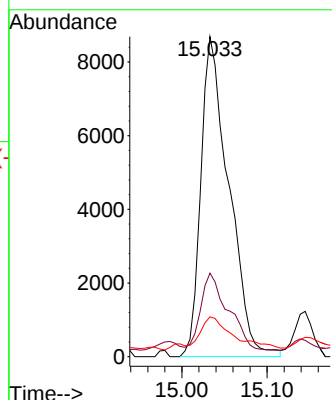
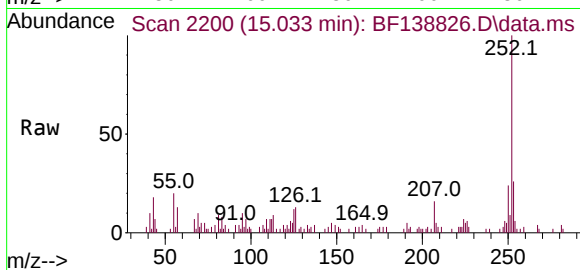
Tgt Ion:252 Resp: 19814

Ion Ratio Lower Upper

252 100

253 26.1 17.5 26.3

125 12.5 8.9 13.3



#89

Benzo(k)fluoranthene

Concen: 5.253 ng

RT: 15.033 min Scan# 2200

Delta R.T. -0.035 min

Lab File: BF138826.D

Acq: 07 Aug 2024 01:34

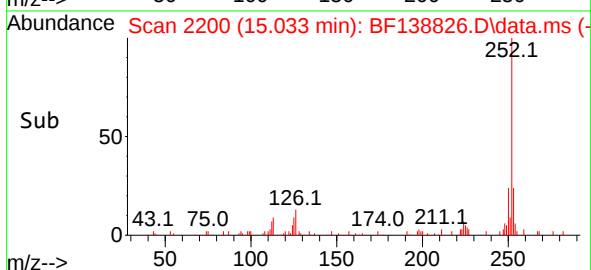
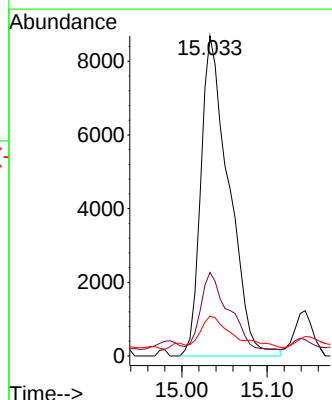
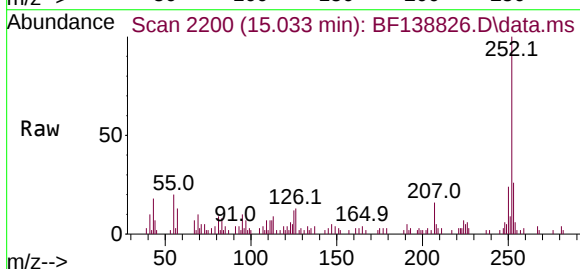
Tgt Ion:252 Resp: 19814

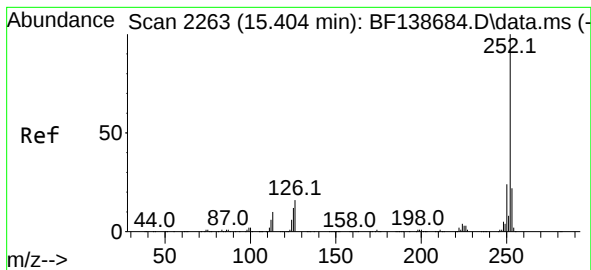
Ion Ratio Lower Upper

252 100

253 26.1 17.4 26.0#

125 12.5 8.6 13.0





#90

Benzo(a)pyrene

Concen: 2.764 ng

RT: 15.398 min Scan# 21

Delta R.T. -0.006 min

Lab File: BF138826.D

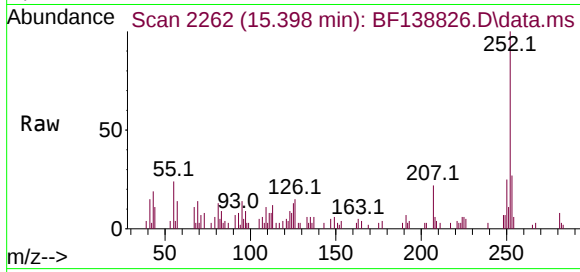
Acq: 07 Aug 2024 01:34

Instrument :

BNA_F

ClientSampleId :

BU-02-08012024RE



Tgt Ion:252 Resp: 10129

Ion Ratio Lower Upper

252 100

253 27.0 17.3 25.9#

125 12.5 9.5 14.3

