

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF080824\
 Data File : BF138876.D
 Acq On : 08 Aug 2024 20:34
 Operator : RC/JU
 Sample : P3483-01
 Misc :
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 A

Quant Time: Aug 09 01:03:00 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

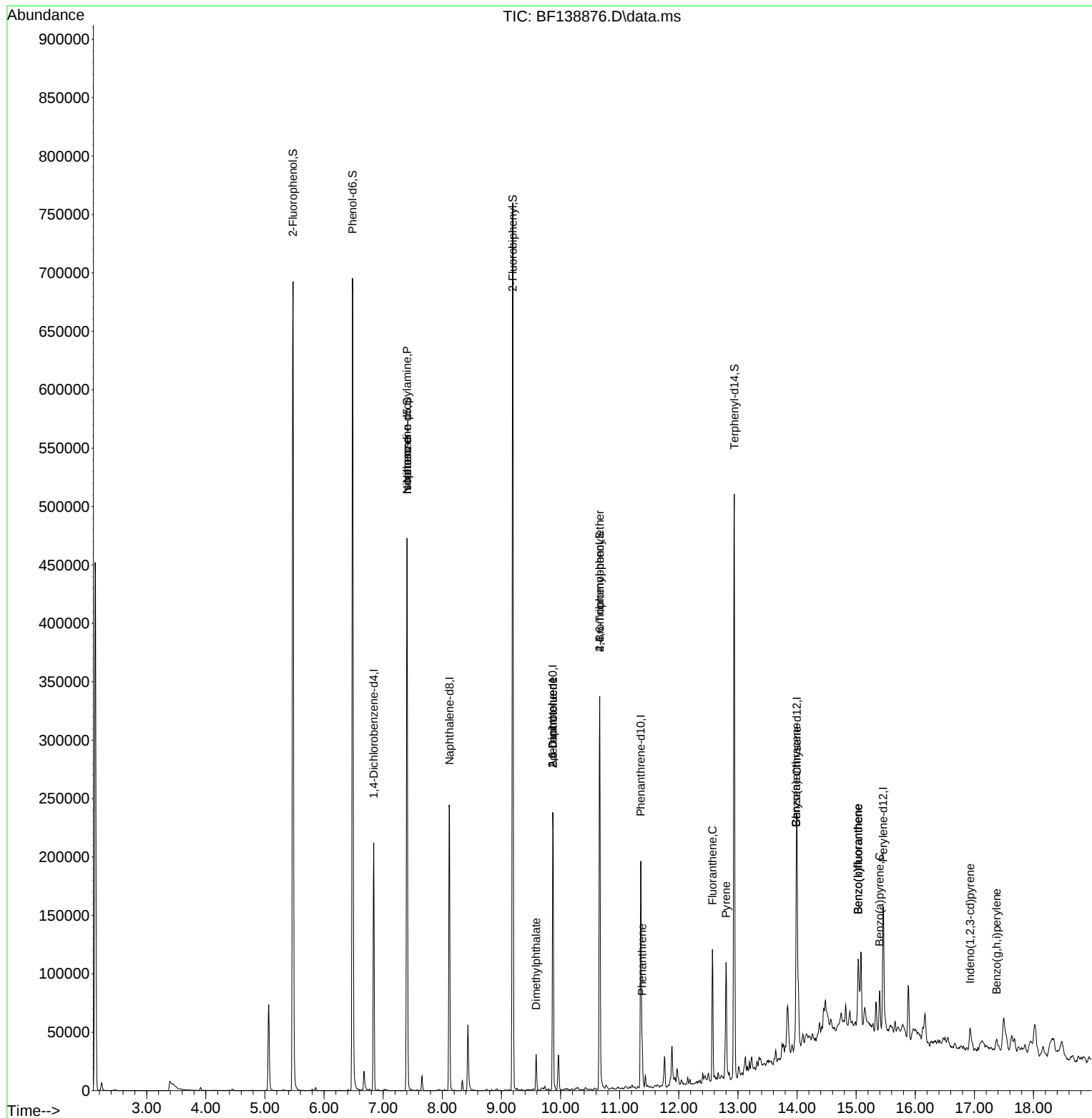
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.840	152	38722	20.000	ng	0.00
21) Naphthalene-d8	8.122	136	148846	20.000	ng	0.00
39) Acenaphthene-d10	9.869	164	69876	20.000	ng	-0.01
64) Phenanthrene-d10	11.357	188	95458	20.000	ng	-0.01
76) Chrysene-d12	13.998	240	73994	20.000	ng	# 0.00
86) Perylene-d12	15.457	264	53894	20.000	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.475	112	233391	93.041	ng	0.00
7) Phenol-d6	6.481	99	305818	90.804	ng	0.00
23) Nitrobenzene-d5	7.404	82	196006	64.382	ng	0.00
42) 2,4,6-Tribromophenol	10.663	330	48508	84.748	ng	0.00
45) 2-Fluorobiphenyl	9.192	172	309350	66.517	ng	-0.01
79) Terphenyl-d14	12.939	244	228303	51.658	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propyla...	7.404	70	26498	13.027	ng	# 82
25) Isophorone	7.404	82	194208	37.359	ng	# 66
50) Dimethylphthalate	9.586	163	16023	3.586	ng	# 94
51) 2,6-Dinitrotoluene	9.869	165	8971	8.897	ng	# 19
57) 2,4-Dinitrotoluene	9.869	165	8971	6.973	ng	# 16
67) 4-Bromophenyl-phenylether	10.663	248	3329	3.221	ng	# 1
71) Phenanthrene	11.380	178	18859	3.837	ng	98
75) Fluoranthene	12.569	202	59039	12.866	ng	98
78) Pyrene	12.798	202	55119	7.912	ng	98
81) Benzo(a)anthracene	13.986	228	33097	6.495	ng	97
83) Chrysene	13.986	228	33097	7.200	ng	95
87) Indeno(1,2,3-cd)pyrene	16.927	276	10765	2.787	ng	95
88) Benzo(b)fluoranthene	15.033	252	38292	11.462	ng	# 93
89) Benzo(k)fluoranthene	15.033	252	38292	13.238	ng	# 93
90) Benzo(a)pyrene	15.398	252	18654	6.638	ng	93
92) Benzo(g,h,i)perylene	17.374	276	10065	3.059	ng	97

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

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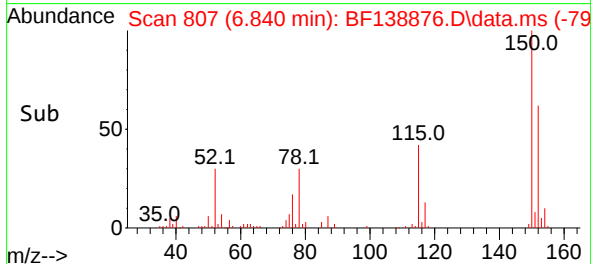
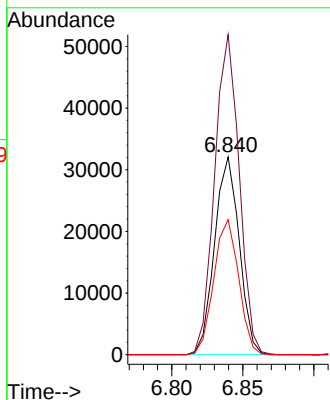
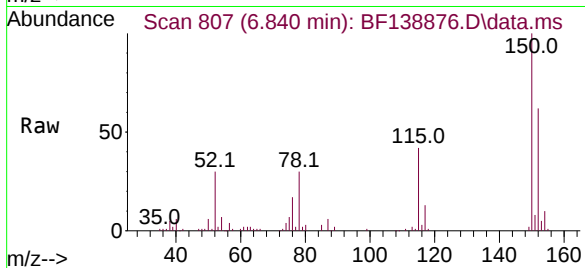




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.840 min Scan# 80
Delta R.T. -0.005 min
Lab File: BF138876.D
Acq: 08 Aug 2024 20:34

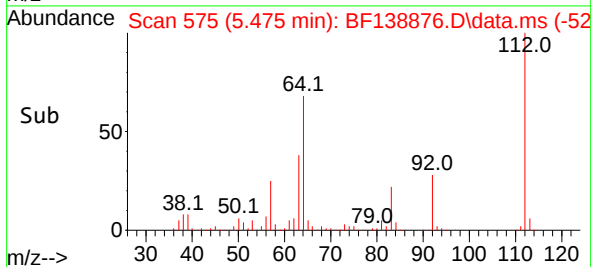
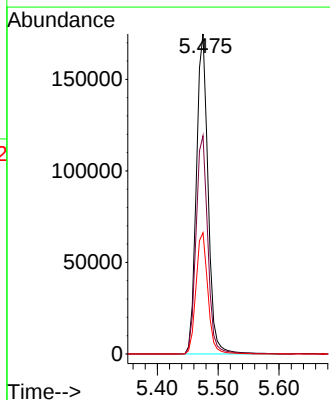
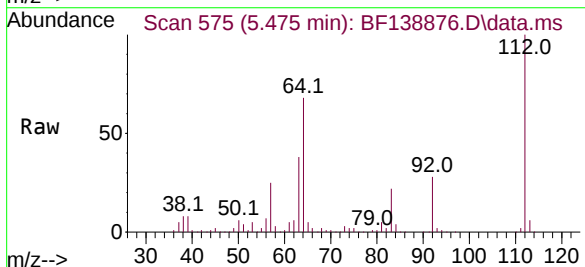
Instrument :
BNA_F
ClientSampleId :
A

Tgt Ion:152 Resp: 38722
Ion Ratio Lower Upper
152 100
150 161.9 126.0 189.0
115 68.3 51.7 77.5



#5
2-Fluorophenol
Concen: 93.041 ng
RT: 5.475 min Scan# 575
Delta R.T. 0.006 min
Lab File: BF138876.D
Acq: 08 Aug 2024 20:34

Tgt Ion:112 Resp: 233391
Ion Ratio Lower Upper
112 100
64 68.2 54.2 81.4
63 37.9 28.7 43.1

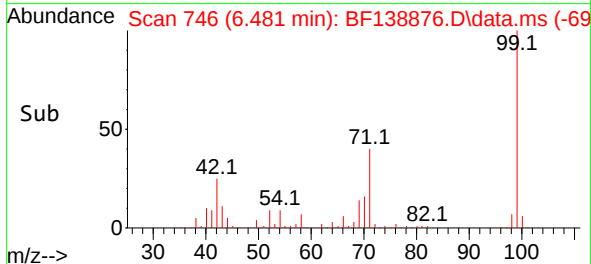
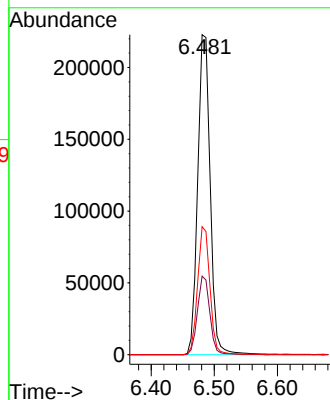
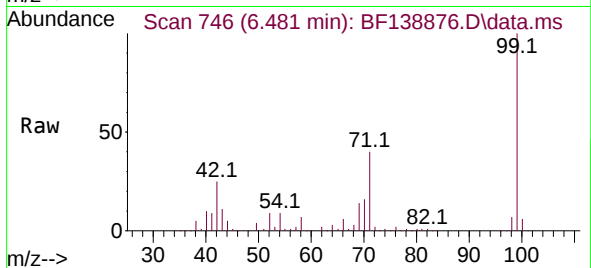




#7
Phenol-d6
Concen: 90.804 ng
RT: 6.481 min Scan# 74
Delta R.T. -0.006 min
Lab File: BF138876.D
Acq: 08 Aug 2024 20:34

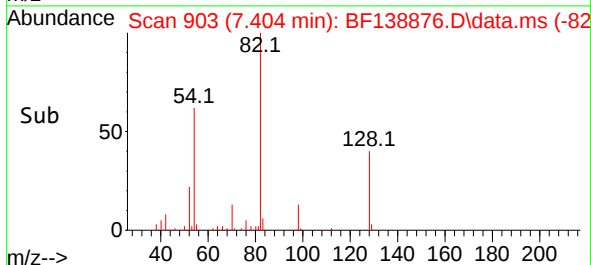
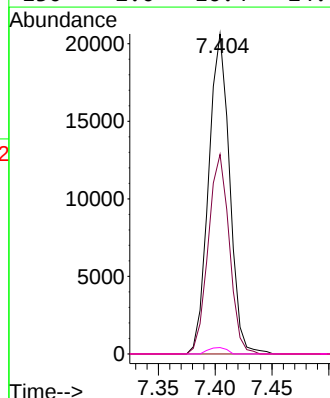
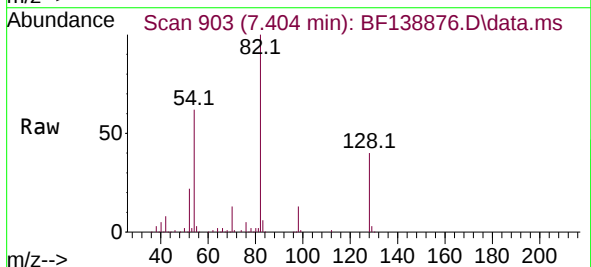
Instrument :
BNA_F
ClientSampleId :
A

Tgt Ion: 99 Resp: 305818
Ion Ratio Lower Upper
99 100
42 24.6 17.4 26.0
71 40.0 28.1 42.1



#19
n-Nitroso-di-n-propylamine
Concen: 13.027 ng
RT: 7.404 min Scan# 903
Delta R.T. 0.147 min
Lab File: BF138876.D
Acq: 08 Aug 2024 20:34

Tgt Ion: 70 Resp: 26498
Ion Ratio Lower Upper
70 100
42 62.3 57.4 86.0
101 0.0 7.5 11.3#
130 2.0 16.4 24.6#

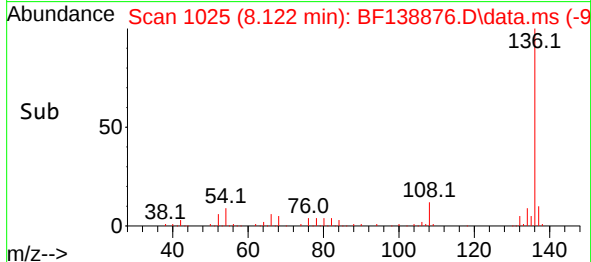
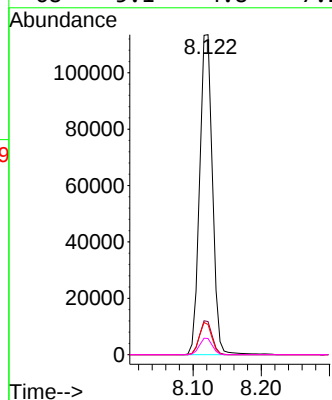
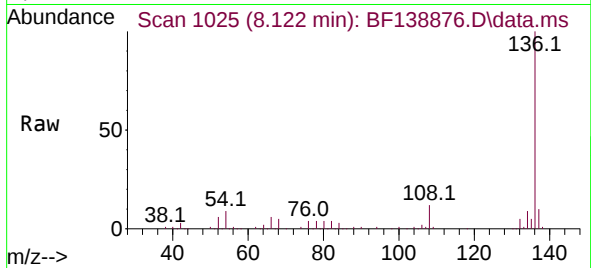




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.122 min Scan# 1025
Delta R.T. -0.006 min
Lab File: BF138876.D
Acq: 08 Aug 2024 20:34

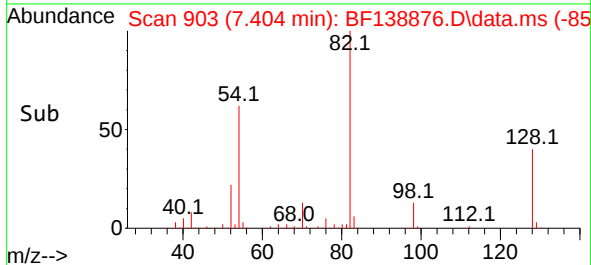
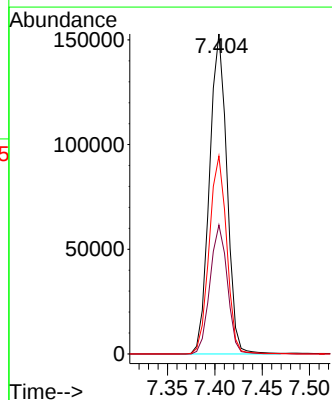
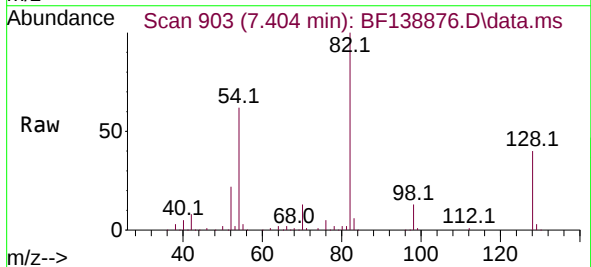
Instrument :
BNA_F
ClientSampleId :
A

Tgt	Ion:136	Resp:	148846
Ion	Ratio	Lower	Upper
136	100		
137	10.4	8.9	13.3
54	9.4	8.6	12.8
68	5.1	4.8	7.2



#23
Nitrobenzene-d5
Concen: 64.382 ng
RT: 7.404 min Scan# 903
Delta R.T. -0.006 min
Lab File: BF138876.D
Acq: 08 Aug 2024 20:34

Tgt Ion: 82	Resp: 196006
Ion Ratio	Lower Upper
82 100	
128 40.3	32.8 49.2
54 61.9	48.3 72.5

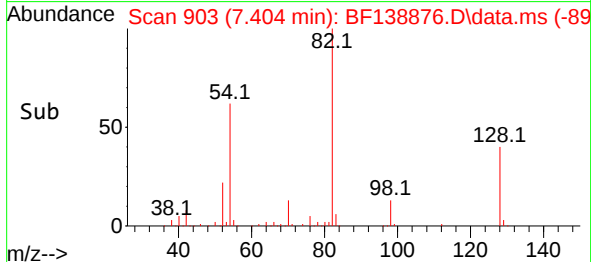
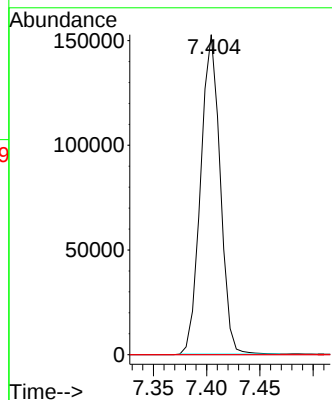
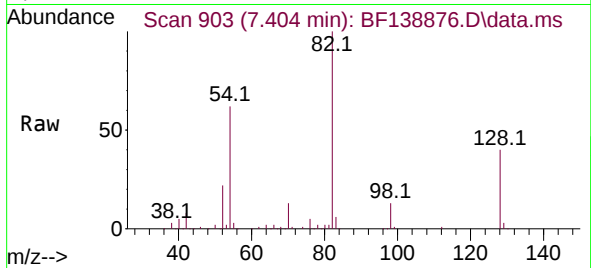




#25
Isophorone
Concen: 37.359 ng
RT: 7.404 min Scan# 90
Delta R.T. -0.265 min
Lab File: BF138876.D
Acq: 08 Aug 2024 20:34

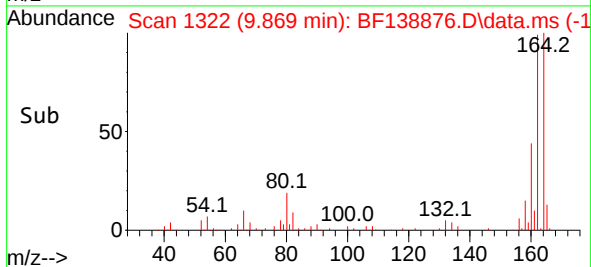
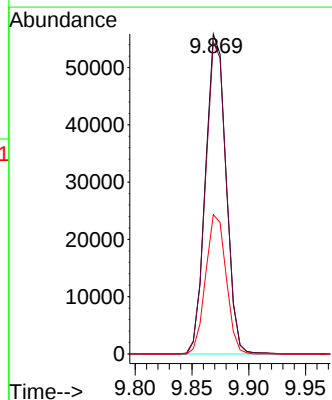
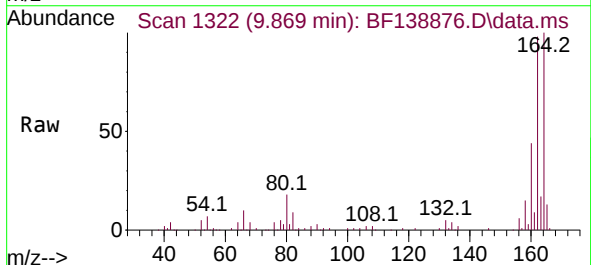
Instrument :
BNA_F
ClientSampleId :
A

Tgt Ion: 82 Resp: 194208
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: BF138876.D
Acq: 08 Aug 2024 20:34

Tgt Ion: 164 Resp: 69876
Ion Ratio Lower Upper
164 100
162 97.5 79.4 119.0
160 43.6 35.1 52.7





#42

2,4,6-Tribromophenol

Concen: 84.748 ng

RT: 10.663 min Scan# 1458

Delta R.T. -0.006 min

Lab File: BF138876.D

Acq: 08 Aug 2024 20:34

Instrument :

BNA_F

ClientSampleId :

A

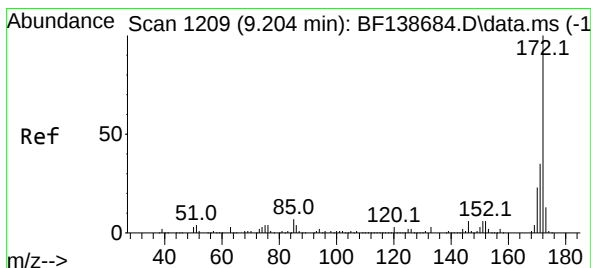
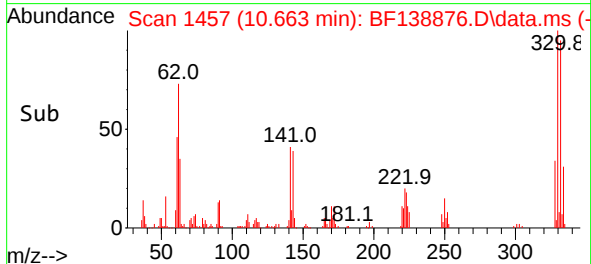
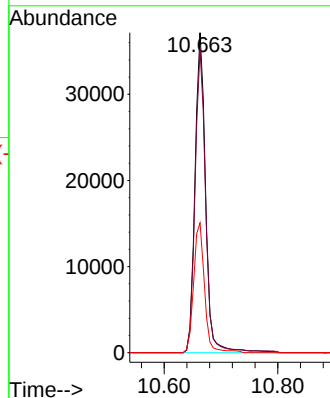
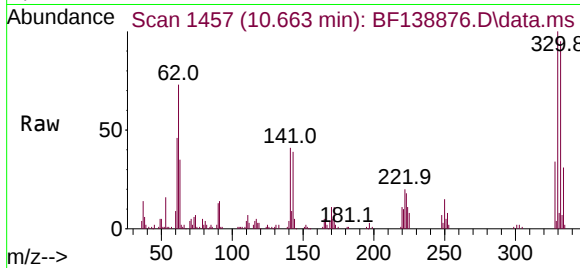
Tgt Ion:330 Resp: 48508

Ion Ratio Lower Upper

330 100

332 94.1 76.4 114.6

141 41.5 31.1 46.7



#45

2-Fluorobiphenyl

Concen: 66.517 ng

RT: 9.192 min Scan# 1207

Delta R.T. -0.012 min

Lab File: BF138876.D

Acq: 08 Aug 2024 20:34

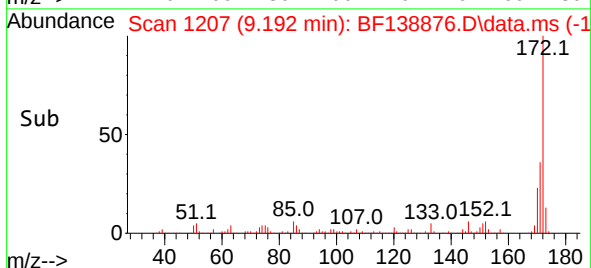
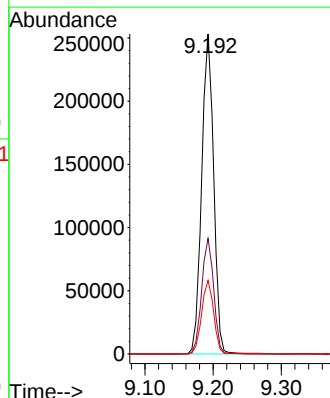
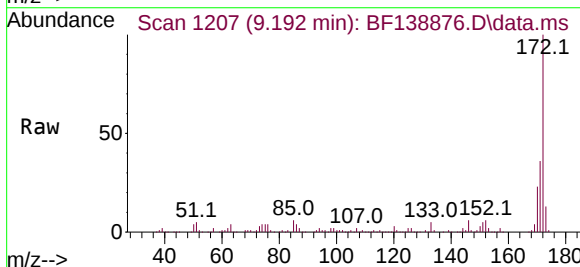
Tgt Ion:172 Resp: 309350

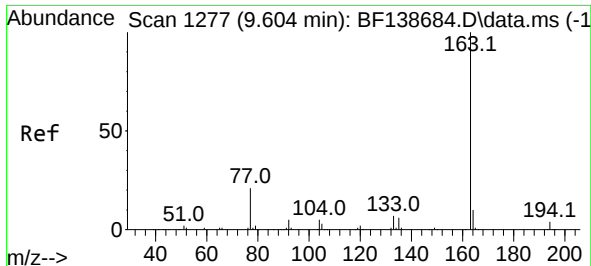
Ion Ratio Lower Upper

172 100

171 36.1 28.3 42.5

170 23.0 18.8 28.2

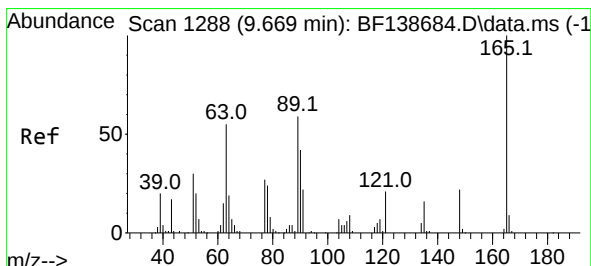
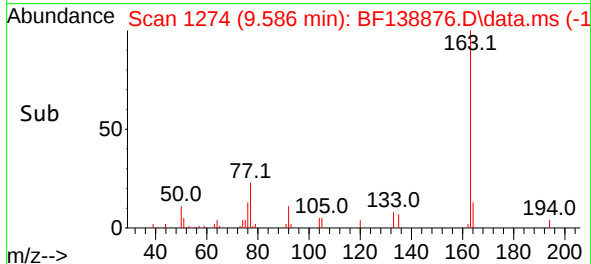
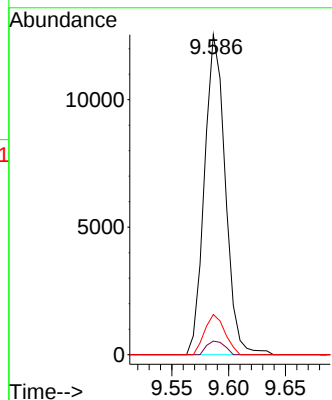
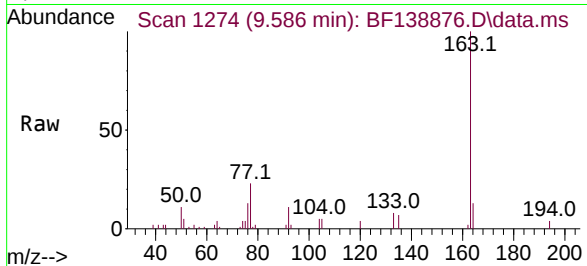




#50
Dimethylphthalate
Concen: 3.586 ng
RT: 9.586 min Scan# 11
Delta R.T. -0.018 min
Lab File: BF138876.D
Acq: 08 Aug 2024 20:34

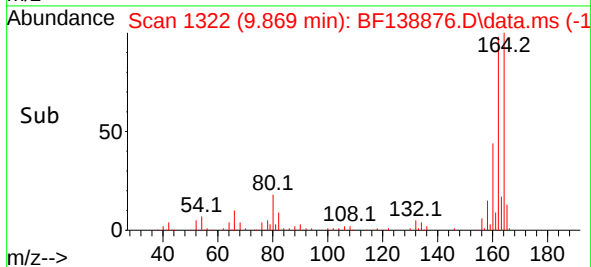
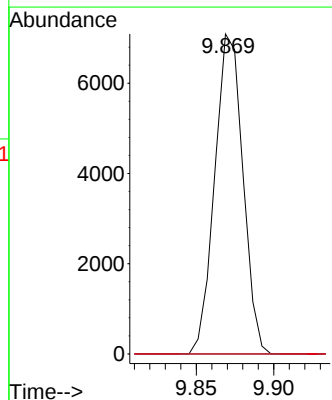
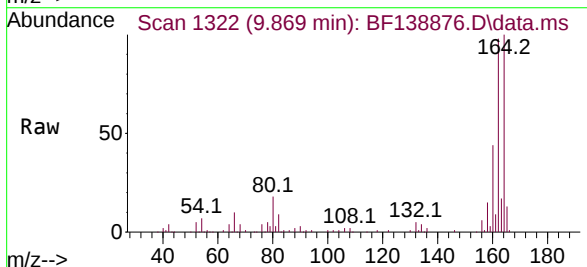
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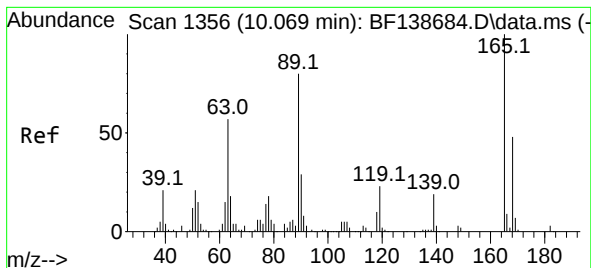
Tgt Ion:163 Resp: 16023
Ion Ratio Lower Upper
163 100
194 4.3 3.1 4.7
164 12.5 7.8 11.8#



#51
2,6-Dinitrotoluene
Concen: 8.897 ng
RT: 9.869 min Scan# 1322
Delta R.T. 0.200 min
Lab File: BF138876.D
Acq: 08 Aug 2024 20:34

Tgt Ion:165 Resp: 8971
Ion Ratio Lower Upper
165 100
63 0.0 52.0 78.0#
89 0.0 47.0 70.6#

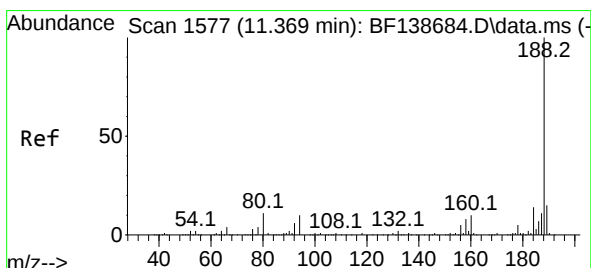
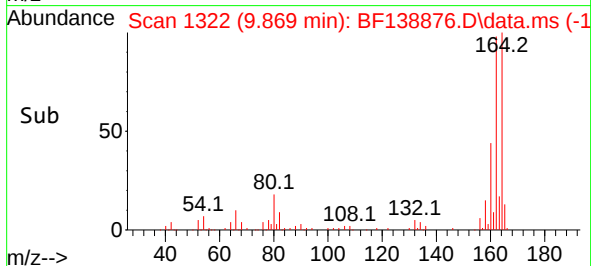
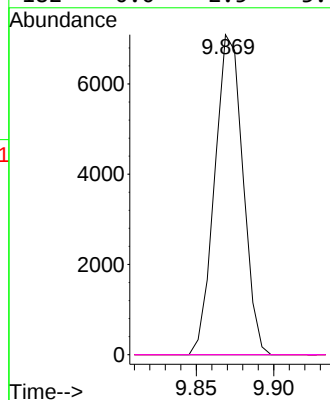
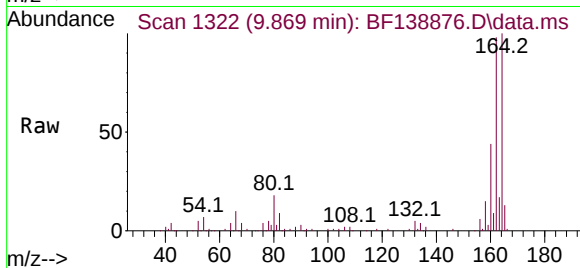




#57
2,4-Dinitrotoluene
Concen: 6.973 ng
RT: 9.869 min Scan# 11
Delta R.T. -0.200 min
Lab File: BF138876.D
Acq: 08 Aug 2024 20:34

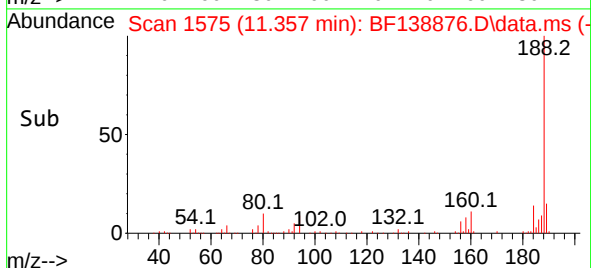
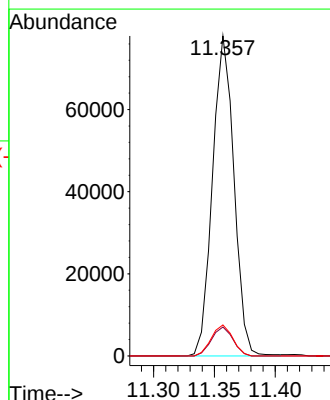
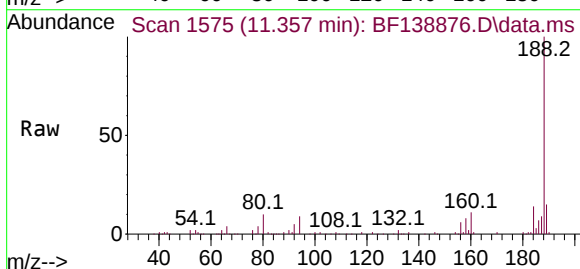
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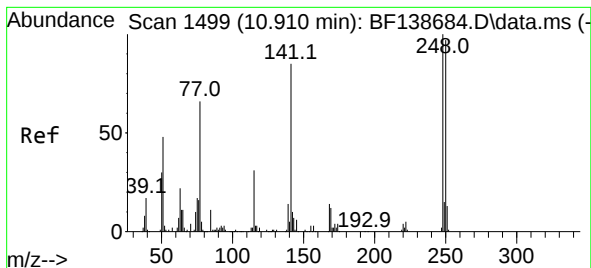
Tgt Ion:165 Resp: 8971
Ion Ratio Lower Upper
165 100
63 0.0 46.3 69.5#
89 0.0 64.2 96.4#
182 0.0 2.5 3.7#



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.357 min Scan# 1575
Delta R.T. -0.012 min
Lab File: BF138876.D
Acq: 08 Aug 2024 20:34

Tgt Ion:188 Resp: 95458
Ion Ratio Lower Upper
188 100
94 9.0 7.6 11.4
80 9.7 8.6 12.8

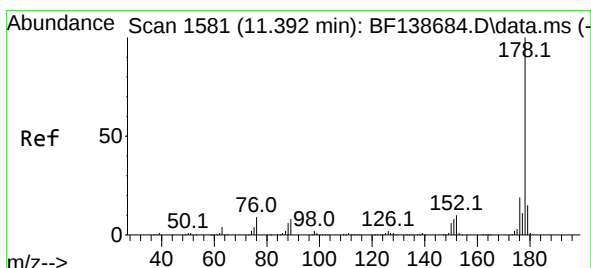
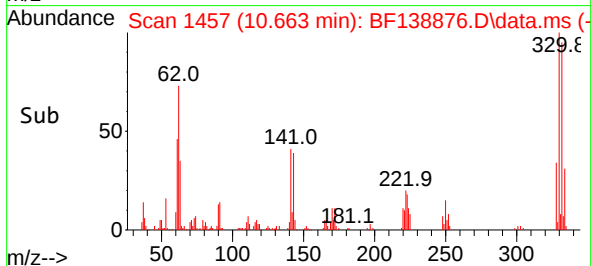
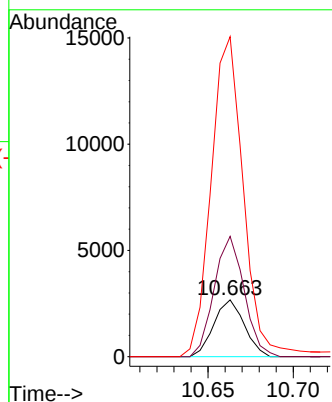
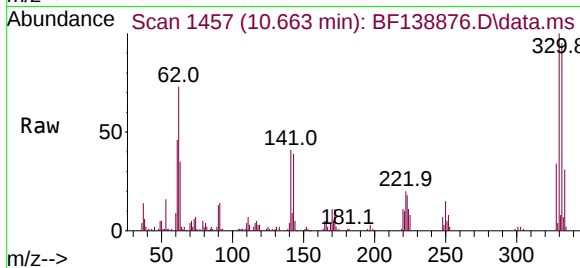




#67
4-Bromophenyl-phenylether
Concen: 3.221 ng
RT: 10.663 min Scan# 1499
Delta R.T. -0.247 min
Lab File: BF138876.D
Acq: 08 Aug 2024 20:34

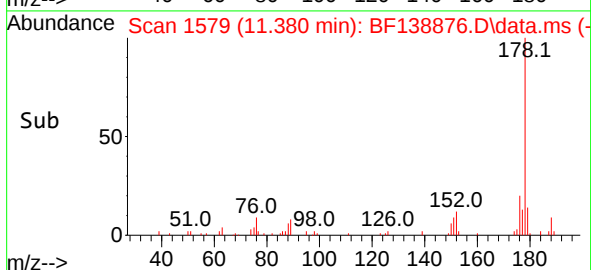
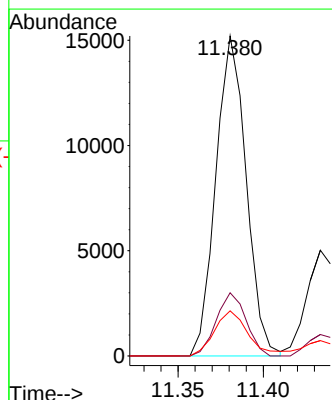
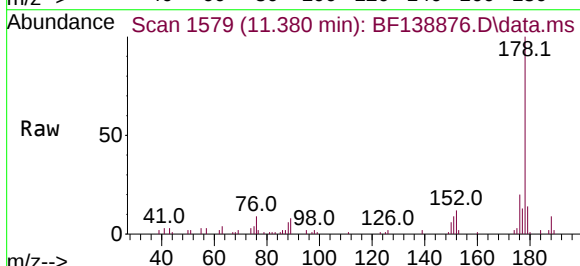
Instrument :
BNA_F
ClientSampleId :
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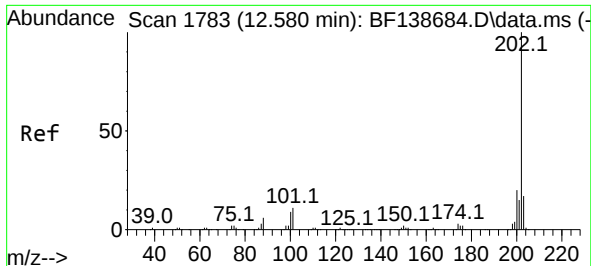
Tgt Ion:248 Resp: 3329
Ion Ratio Lower Upper
248 100
250 211.8 77.7 116.5#
141 563.7 68.0 102.0#



#71
Phenanthrene
Concen: 3.837 ng
RT: 11.380 min Scan# 1579
Delta R.T. -0.012 min
Lab File: BF138876.D
Acq: 08 Aug 2024 20:34

Tgt Ion:178 Resp: 18859
Ion Ratio Lower Upper
178 100
176 19.7 15.4 23.0
179 14.1 12.2 18.2

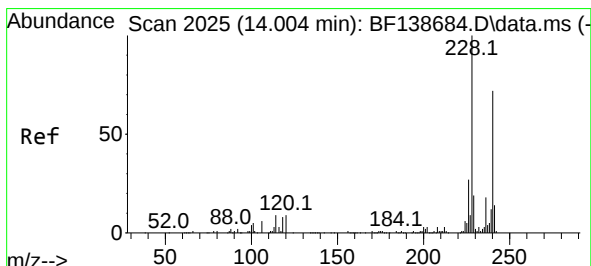
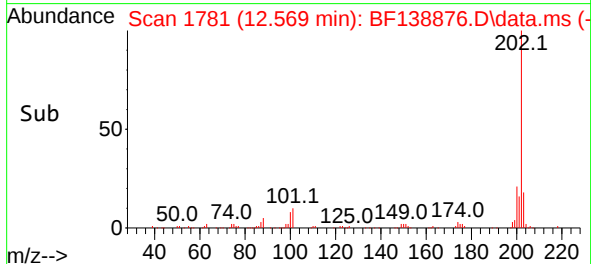
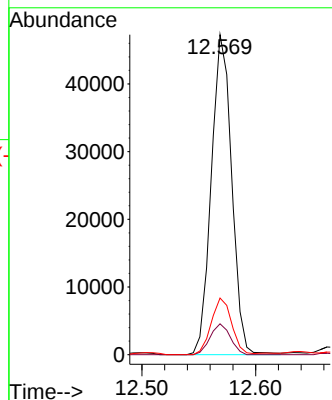
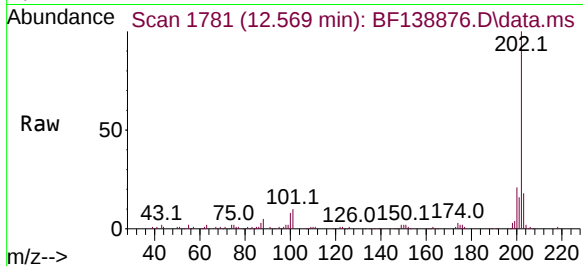




#75
Fluoranthene
Concen: 12.866 ng
RT: 12.569 min Scan# 1
Delta R.T. -0.012 min
Lab File: BF138876.D
Acq: 08 Aug 2024 20:34

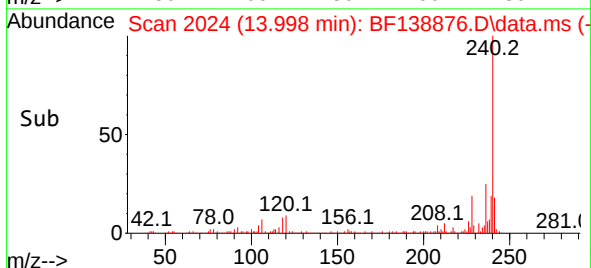
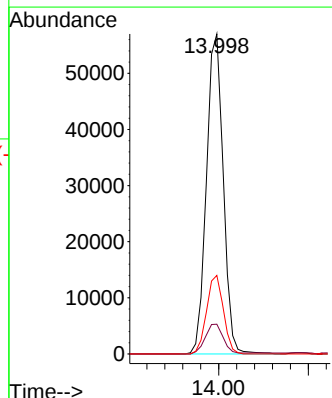
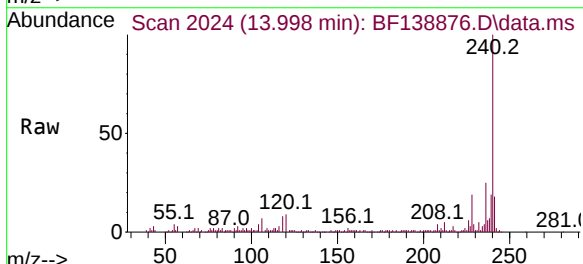
Instrument :
BNA_F
ClientSampleId :
A

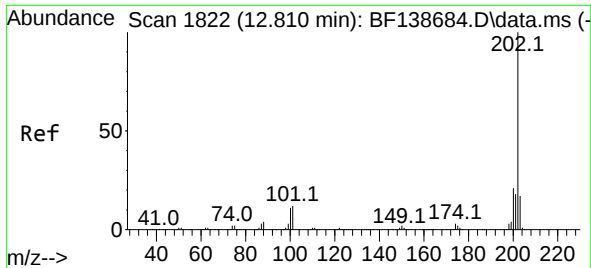
Tgt Ion:202 Resp: 59039
Ion Ratio Lower Upper
202 100
101 9.7 0.0 31.2
203 17.7 0.0 37.3



#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.998 min Scan# 2024
Delta R.T. -0.006 min
Lab File: BF138876.D
Acq: 08 Aug 2024 20:34

Tgt Ion:240 Resp: 73994
Ion Ratio Lower Upper
240 100
120 9.3 10.2 15.4#
236 24.5 19.8 29.8

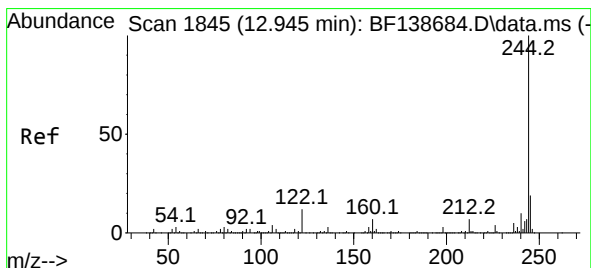
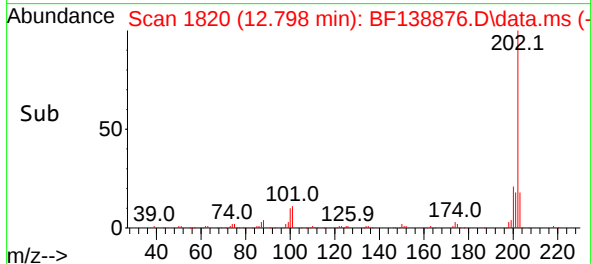
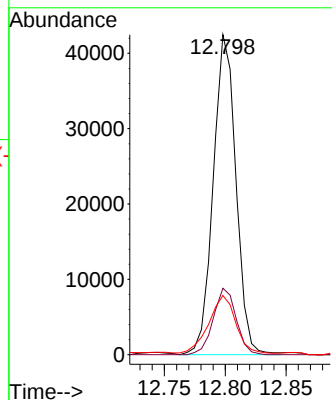
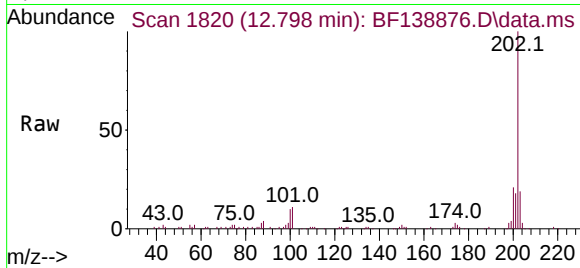




#78
 Pyrene
 Concen: 7.912 ng
 RT: 12.798 min Scan# 1820
 Delta R.T. -0.012 min
 Lab File: BF138876.D
 Acq: 08 Aug 2024 20:34

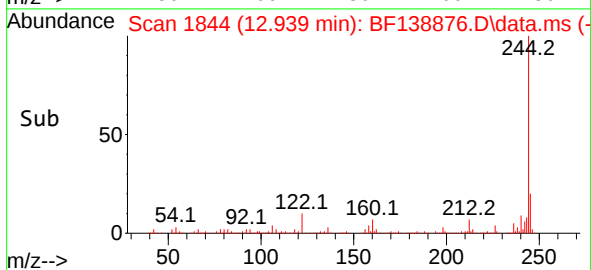
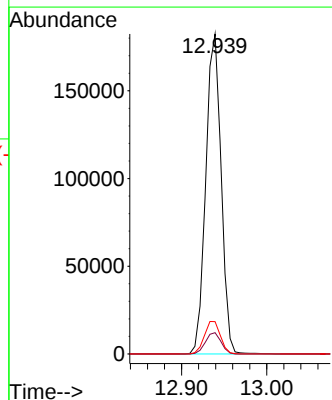
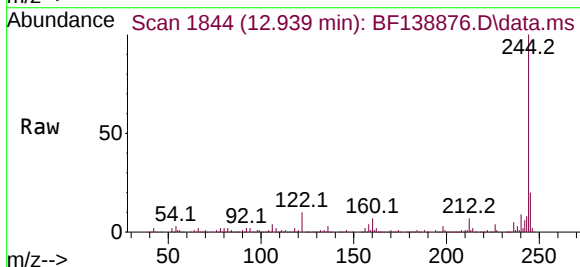
Instrument :
 BNA_F
 ClientSampleId :
 A

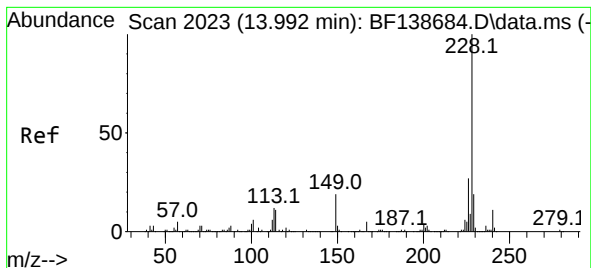
Tgt Ion:202	Resp:	55119
Ion Ratio	Lower	Upper
202	100	
200	20.8	16.8 25.2
203	18.5	13.8 20.6



#79
 Terphenyl-d14
 Concen: 51.658 ng
 RT: 12.939 min Scan# 1844
 Delta R.T. -0.006 min
 Lab File: BF138876.D
 Acq: 08 Aug 2024 20:34

Tgt Ion:244	Resp:	228303
Ion Ratio	Lower	Upper
244	100	
212	6.7	5.4 8.2
122	10.1	9.6 14.4





#81

Benzo(a)anthracene

Concen: 6.495 ng

RT: 13.986 min Scan# 2022

Delta R.T. -0.006 min

Lab File: BF138876.D

Acq: 08 Aug 2024 20:34

Instrument :

BNA_F

ClientSampleId :

A

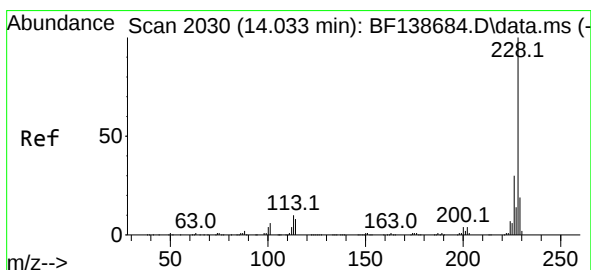
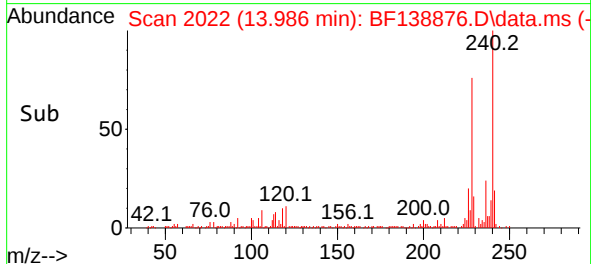
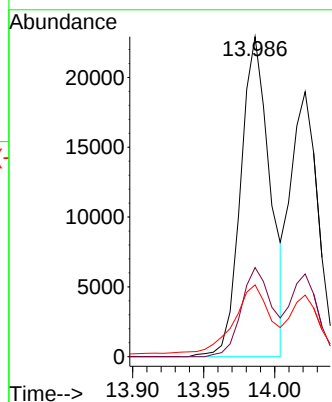
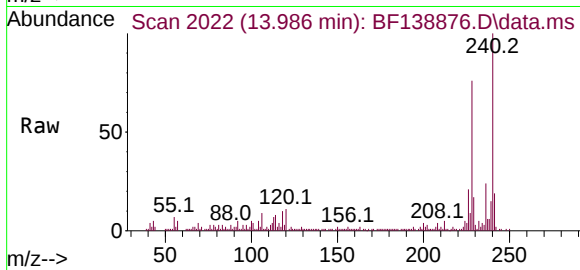
Tgt Ion:228 Resp: 33097

Ion Ratio Lower Upper

228 100

226 27.9 22.1 33.1

229 22.4 15.4 23.0



#83

Chrysene

Concen: 7.200 ng

RT: 13.986 min Scan# 2022

Delta R.T. -0.047 min

Lab File: BF138876.D

Acq: 08 Aug 2024 20:34

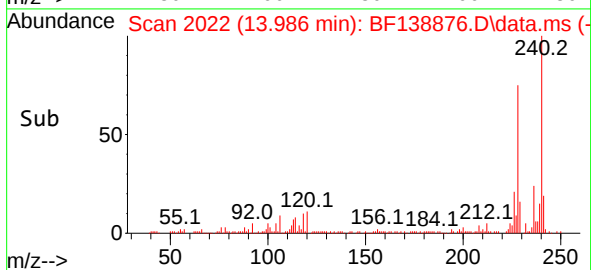
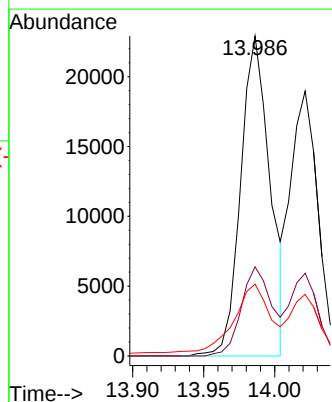
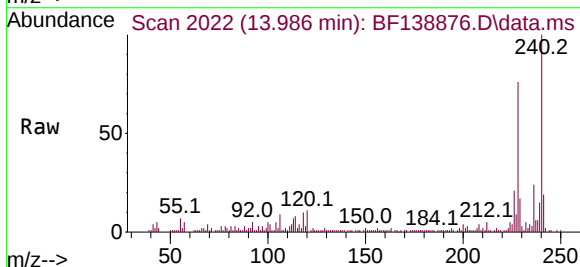
Tgt Ion:228 Resp: 33097

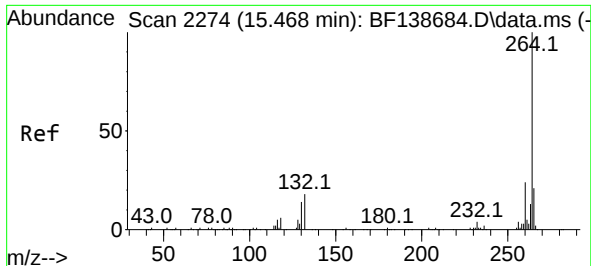
Ion Ratio Lower Upper

228 100

226 27.9 23.7 35.5

229 22.4 15.0 22.6

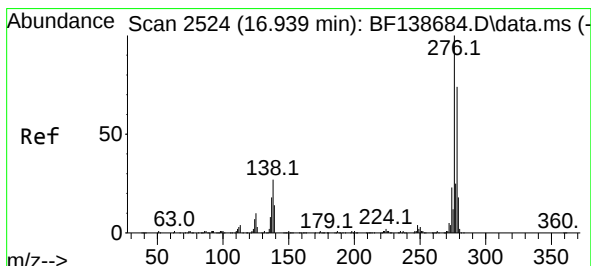
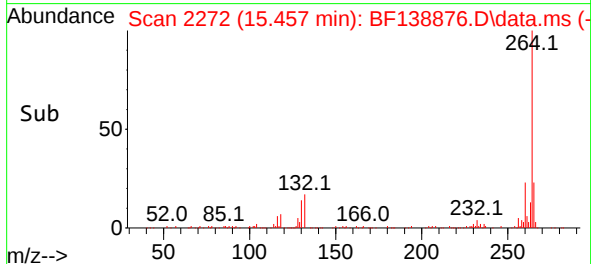
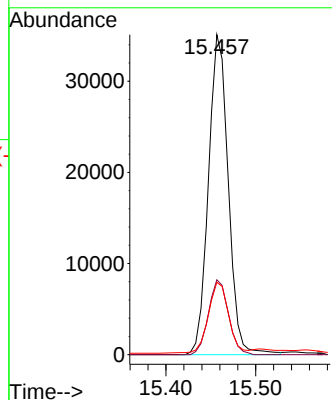
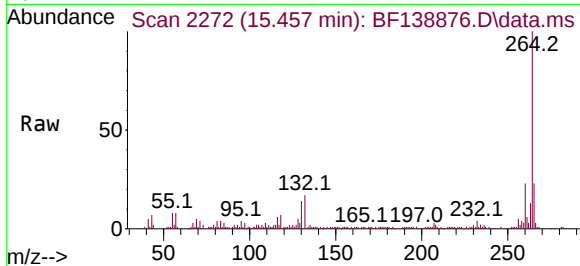




#86
Perylene-d12
Concen: 20.000 ng
RT: 15.457 min Scan# 21
Delta R.T. -0.012 min
Lab File: BF138876.D
Acq: 08 Aug 2024 20:34

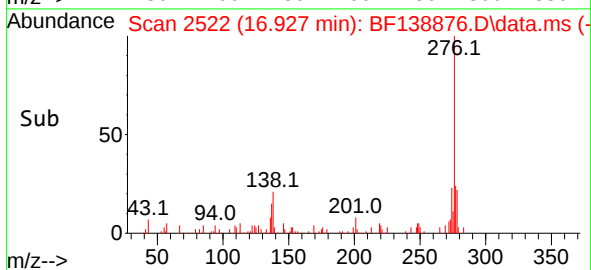
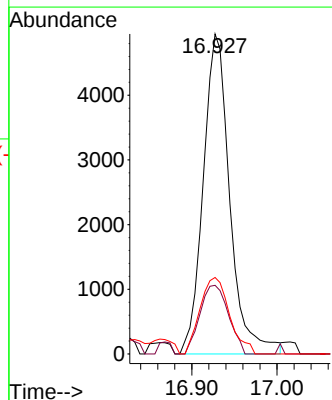
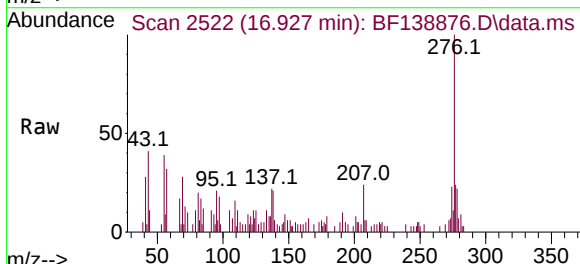
Instrument :
BNA_F
ClientSampleId :
A

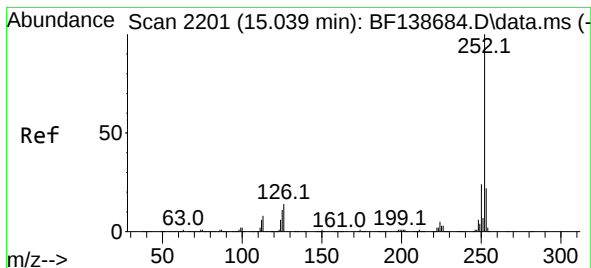
Tgt Ion:264 Resp: 53894
Ion Ratio Lower Upper
264 100
260 23.4 19.0 28.6
265 22.6 17.0 25.6



#87
Indeno(1,2,3-cd)pyrene
Concen: 2.787 ng
RT: 16.927 min Scan# 2522
Delta R.T. -0.012 min
Lab File: BF138876.D
Acq: 08 Aug 2024 20:34

Tgt Ion:276 Resp: 10765
Ion Ratio Lower Upper
276 100
138 22.9 21.8 32.8
277 26.4 20.6 30.8





#88

Benzo(b)fluoranthene

Concen: 11.462 ng

RT: 15.033 min Scan# 21

Delta R.T. -0.006 min

Lab File: BF138876.D

Acq: 08 Aug 2024 20:34

Instrument :

BNA_F

ClientSampleId :

A

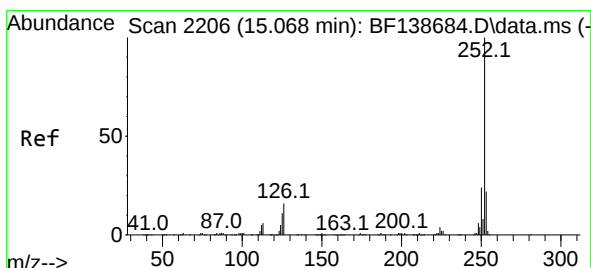
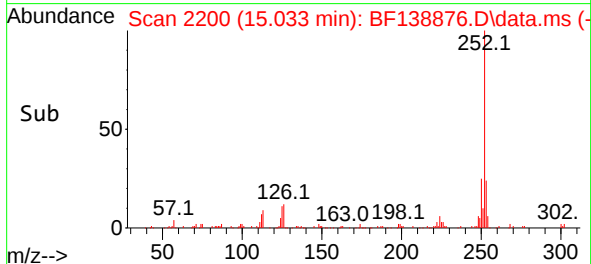
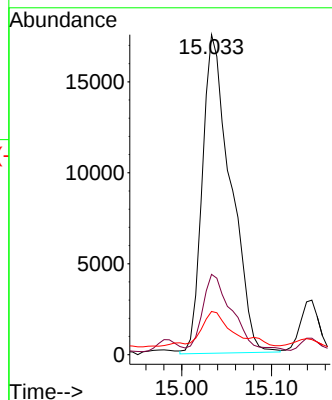
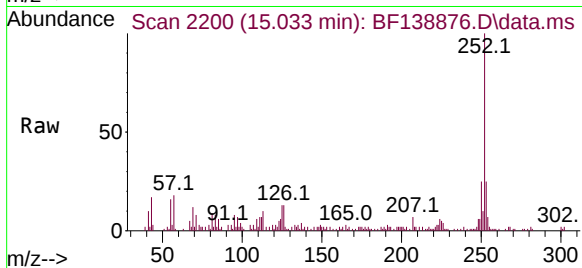
Tgt Ion:252 Resp: 38292

Ion Ratio Lower Upper

252 100

253 25.1 17.5 26.3

125 13.5 8.9 13.3#



#89

Benzo(k)fluoranthene

Concen: 13.238 ng

RT: 15.033 min Scan# 2200

Delta R.T. -0.035 min

Lab File: BF138876.D

Acq: 08 Aug 2024 20:34

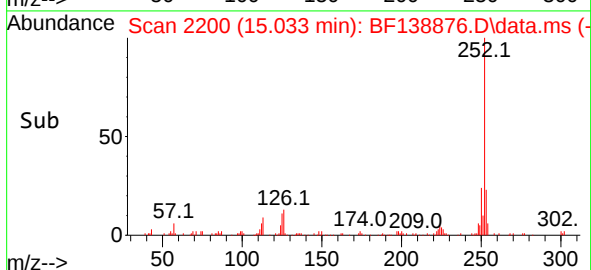
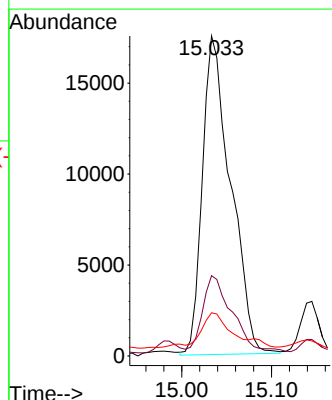
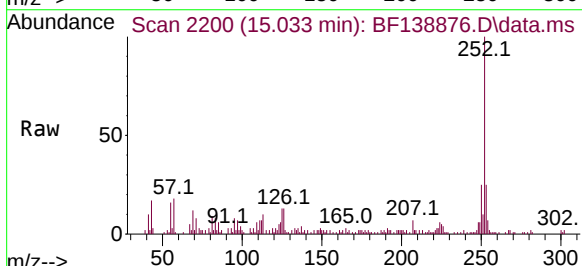
Tgt Ion:252 Resp: 38292

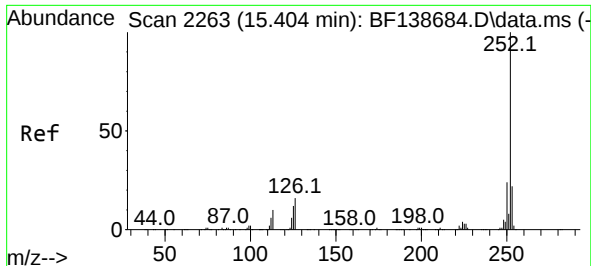
Ion Ratio Lower Upper

252 100

253 25.1 17.4 26.0

125 13.5 8.6 13.0#

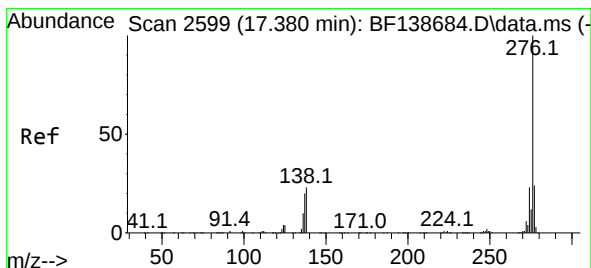
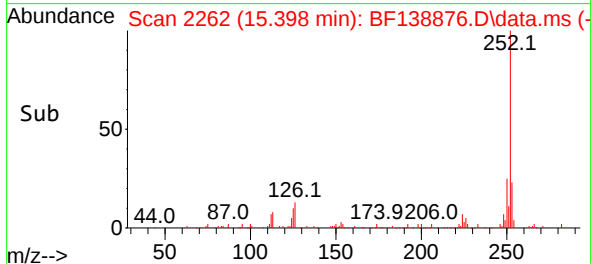
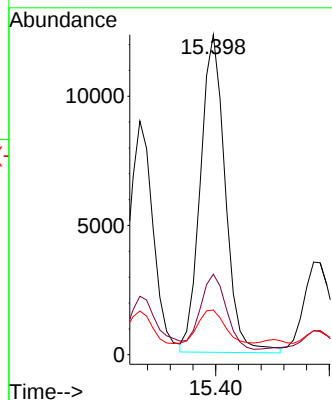
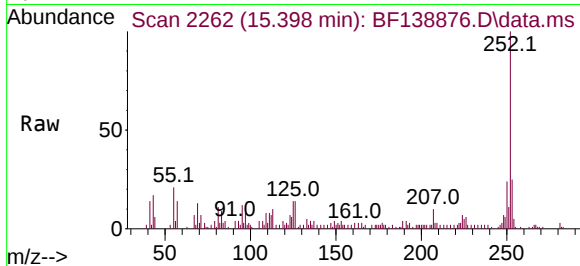




#90
Benzo(a)pyrene
Concen: 6.638 ng
RT: 15.398 min Scan# 21
Delta R.T. -0.006 min
Lab File: BF138876.D
Acq: 08 Aug 2024 20:34

Instrument :
BNA_F
ClientSampleId :
A

Tgt Ion:252 Resp: 18654
Ion Ratio Lower Upper
252 100
253 25.2 17.3 25.9
125 13.9 9.5 14.3



#92
Benzo(g,h,i)perylene
Concen: 3.059 ng
RT: 17.374 min Scan# 2598
Delta R.T. -0.006 min
Lab File: BF138876.D
Acq: 08 Aug 2024 20:34

Tgt Ion:276 Resp: 10065
Ion Ratio Lower Upper
276 100
277 26.2 19.0 28.4
138 22.8 18.5 27.7

