

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF072924\
 Data File : BF138675.D
 Acq On : 29 Jul 2024 18:14
 Operator : RC/JU
 Sample : P3362-04
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 72-11978

Quant Time: Jul 29 18:39:21 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF070924.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Jul 09 16:58:40 2024
 Response via : Initial Calibration

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

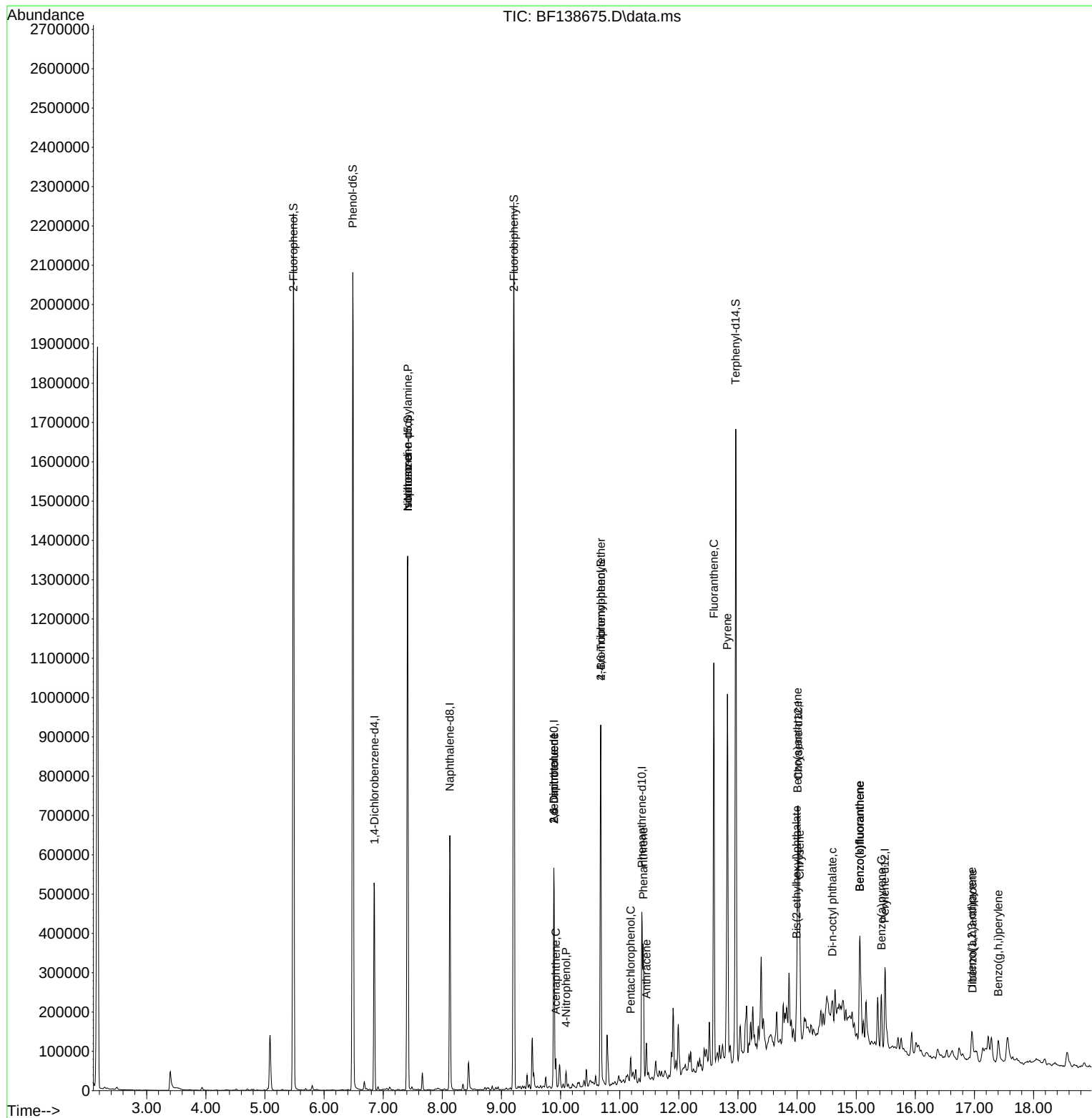
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.851	152	103266	20.000	ng	-0.02
21) Naphthalene-d8	8.128	136	382955	20.000	ng	-0.02
39) Acenaphthene-d10	9.886	164	157997	20.000	ng	-0.02
64) Phenanthrene-d10	11.374	188	214499	20.000	ng	-0.01
76) Chrysene-d12	14.021	240	150624	20.000	ng	0.00
86) Perylene-d12	15.486	264	112419	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.481	112	771588	118.336	ng	-0.01
7) Phenol-d6	6.486	99	1002495	115.575	ng	-0.02
23) Nitrobenzene-d5	7.416	82	639890	82.039	ng	-0.02
42) 2,4,6-Tribromophenol	10.680	330	140680	95.270	ng	-0.01
45) 2-Fluorobiphenyl	9.210	172	942753	93.257	ng	-0.02
79) Terphenyl-d14	12.963	244	755228	81.684	ng	-0.01
Target Compounds						Qvalue
19) n-Nitroso-di-n-propyla...	7.416	70	84895	15.840	ng	# 72
25) Isophorone	7.416	82	639883	47.771	ng	# 67
51) 2,6-Dinitrotoluene	9.886	165	20706	8.802	ng	# 25
52) Acenaphthene	9.922	154	21935	2.569	ng	99
56) 4-Nitrophenol	10.092	139	6922	3.891	ng	# 3
57) 2,4-Dinitrotoluene	9.886	165	20706	6.803	ng	# 19
67) 4-Bromophenyl-phenylether	10.680	248	8478	3.846	ng	# 1
70) Pentachlorophenol	11.186	266	7045	4.861	ng	99
71) Phenanthrene	11.398	178	171521	15.828	ng	99
72) Anthracene	11.451	178	53072	4.934	ng	99
75) Fluoranthene	12.592	202	546332	49.408	ng	97
78) Pyrene	12.821	202	523474	34.236	ng	99
81) Benzo(a)anthracene	14.010	228	201963	19.983	ng	94
83) Chrysene	14.045	228	152719	15.973	ng	98
84) Bis(2-ethylhexyl)phtha...	13.992	149	24175	4.928	ng	97
85) Di-n-octyl phthalate	14.598	149	29636	3.824	ng	# 58
87) Indeno(1,2,3-cd)pyrene	16.956	276	49358	6.536	ng	96
88) Benzo(b)fluoranthene	15.062	252	215601	34.054	ng	96
89) Benzo(k)fluoranthene	15.062	252	215601	34.917	ng	# 96
90) Benzo(a)pyrene	15.427	252	81340	14.625	ng	99
91) Dibenzo(a,h)anthracene	16.968	278	12912	2.090	ng	# 77
92) Benzo(g,h,i)perylene	17.403	276	47007	7.177	ng	# 92

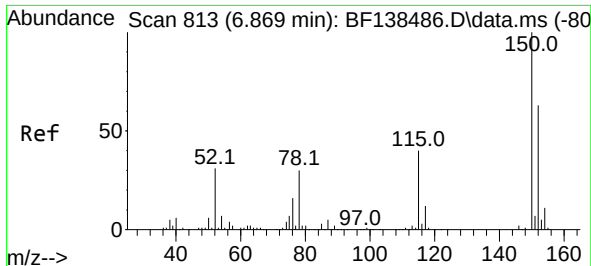
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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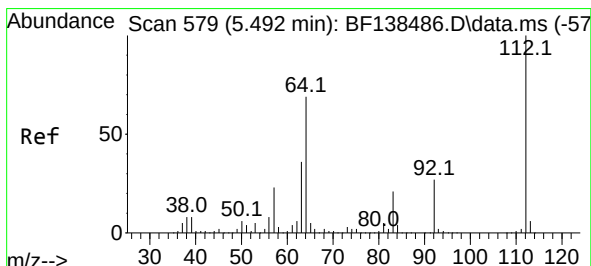
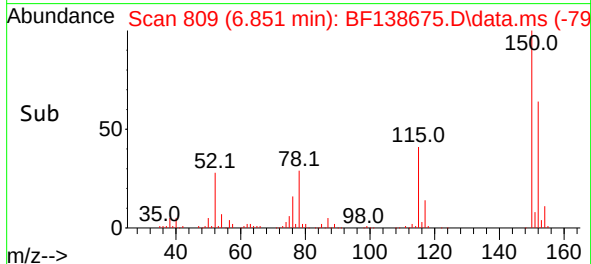
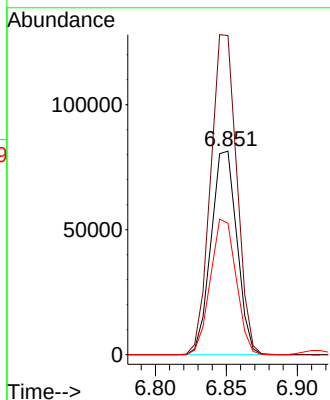
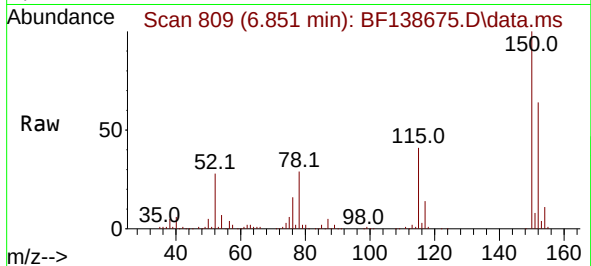




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.851 min Scan# 809
Delta R.T. -0.018 min
Lab File: BF138675.D
Acq: 29 Jul 2024 18:14

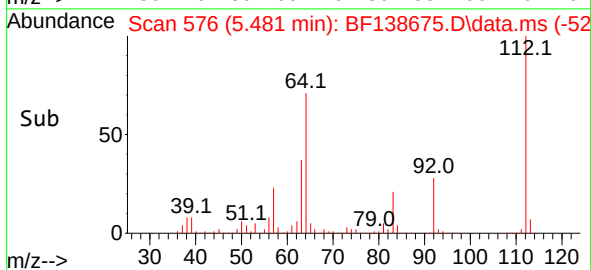
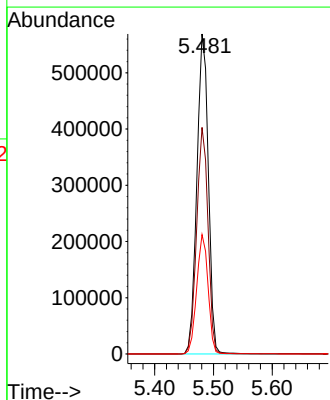
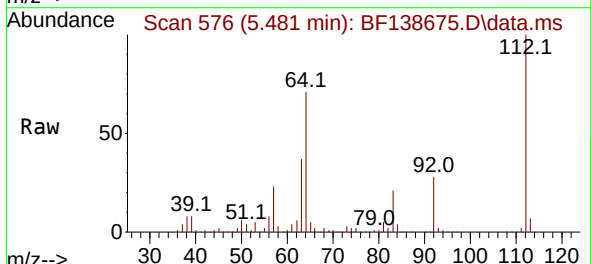
Instrument :
BNA_F
ClientSampleId :
72-11978

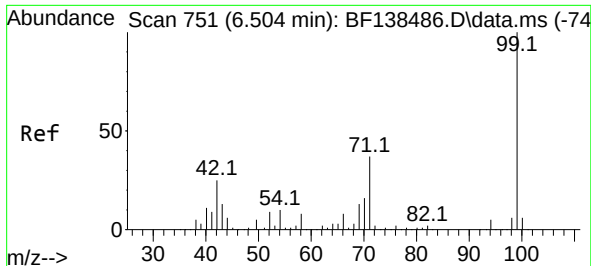
Tgt Ion:152 Resp: 103266
Ion Ratio Lower Upper
152 100
150 156.8 126.2 189.4
115 64.6 50.3 75.5



#5
2-Fluorophenol
Concen: 118.336 ng
RT: 5.481 min Scan# 576
Delta R.T. -0.012 min
Lab File: BF138675.D
Acq: 29 Jul 2024 18:14

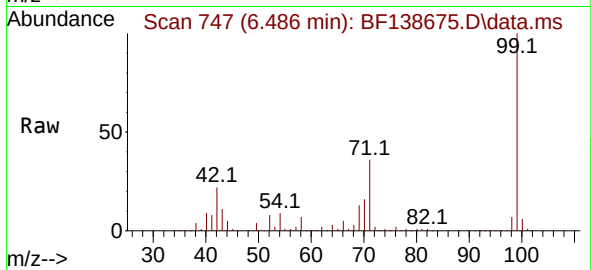
Tgt Ion:112 Resp: 771588
Ion Ratio Lower Upper
112 100
64 70.8 55.1 82.7
63 37.3 29.0 43.6





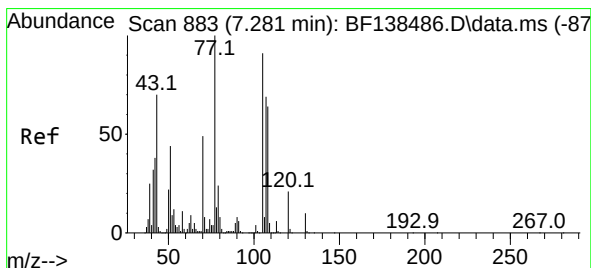
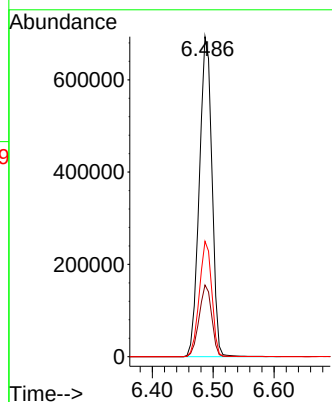
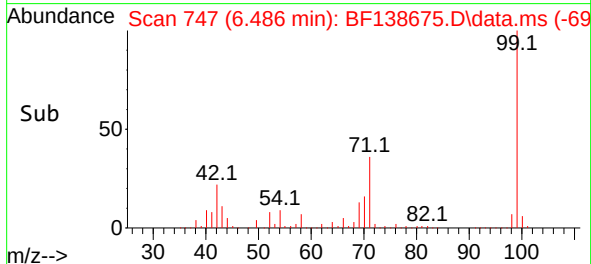
#7
Phenol-d6
Concen: 115.575 ng
RT: 6.486 min Scan# 74
Delta R.T. -0.018 min
Lab File: BF138675.D
Acq: 29 Jul 2024 18:14

Instrument :
BNA_F
ClientSampleId :
72-11978

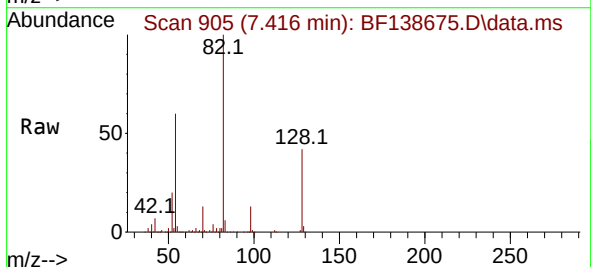


Tgt Ion: 99 Resp: 1002495

Ion	Ratio	Lower	Upper
99	100		
42	22.4	19.7	29.5
71	36.1	29.9	44.9

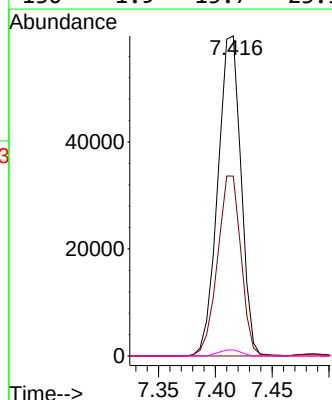
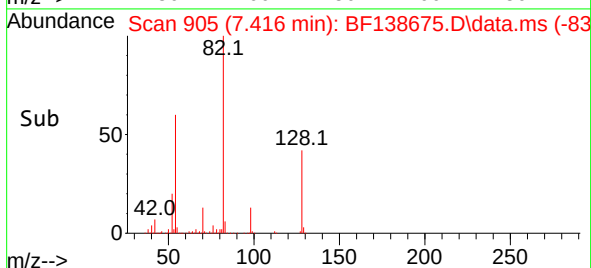


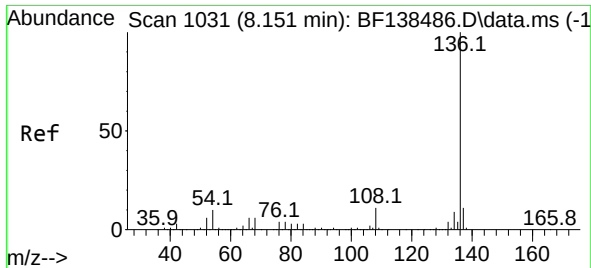
#19
n-Nitroso-di-n-propylamine
Concen: 15.840 ng
RT: 7.416 min Scan# 905
Delta R.T. 0.135 min
Lab File: BF138675.D
Acq: 29 Jul 2024 18:14



Tgt Ion: 70 Resp: 84895

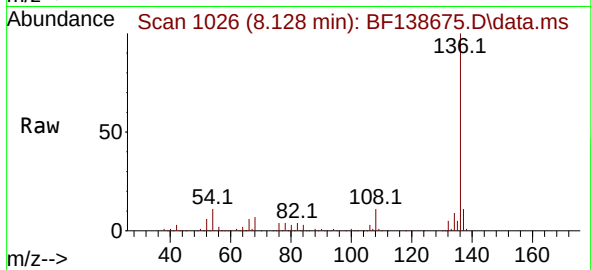
Ion	Ratio	Lower	Upper
70	100		
42	56.2	62.4	93.6#
101	0.0	7.2	10.8#
130	1.9	15.7	23.5#



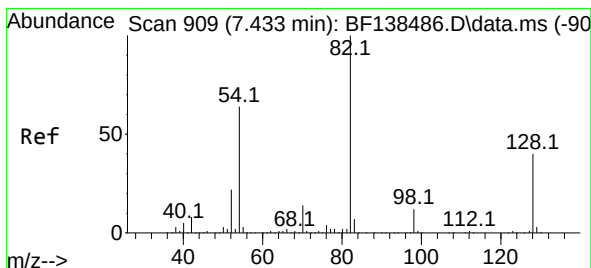
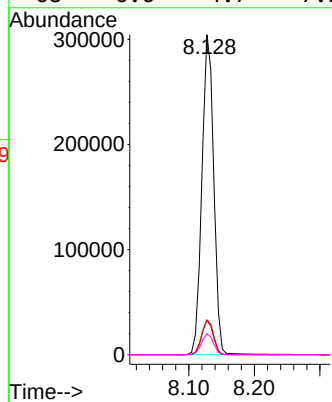
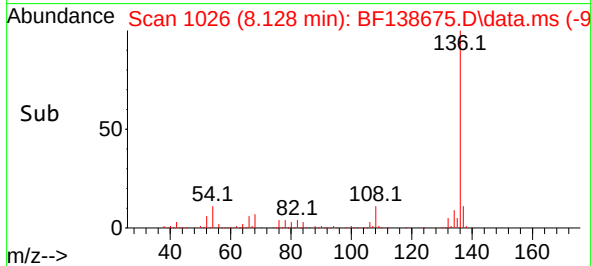


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.128 min Scan# 1026
Delta R.T. -0.024 min
Lab File: BF138675.D
Acq: 29 Jul 2024 18:14

Instrument :
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ClientSampleId :
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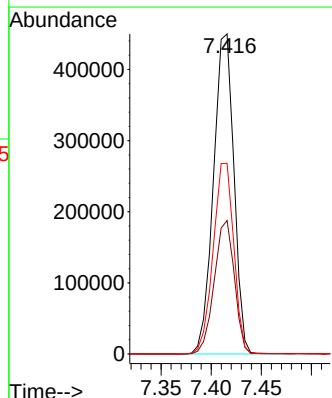
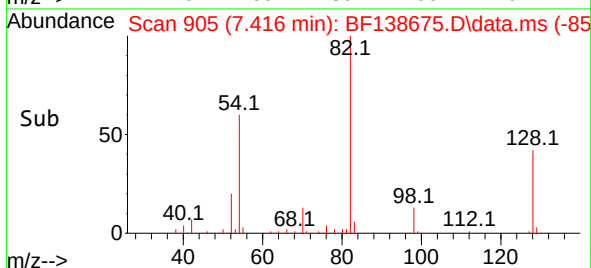
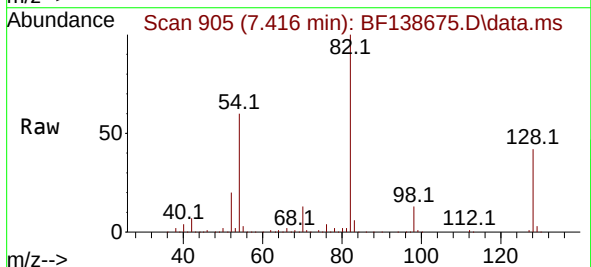


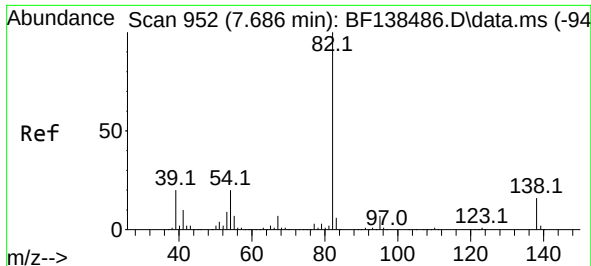
Tgt Ion:136 Resp: 382955
Ion Ratio Lower Upper
136 100
137 10.8 8.5 12.7
54 10.8 8.1 12.1
68 6.6 4.7 7.1



#23
Nitrobenzene-d5
Concen: 82.039 ng
RT: 7.416 min Scan# 905
Delta R.T. -0.018 min
Lab File: BF138675.D
Acq: 29 Jul 2024 18:14

Tgt Ion: 82 Resp: 639890
Ion Ratio Lower Upper
82 100
128 41.7 32.3 48.5
54 59.6 51.4 77.0

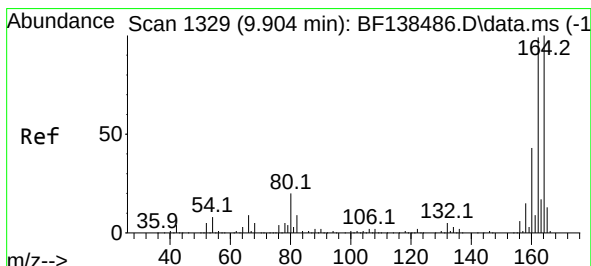
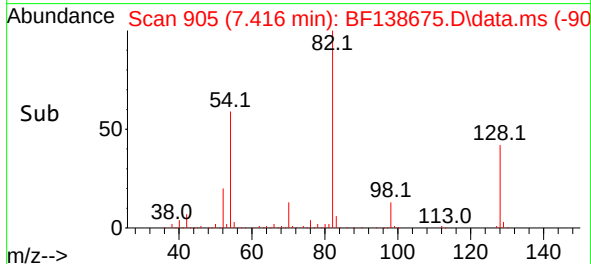
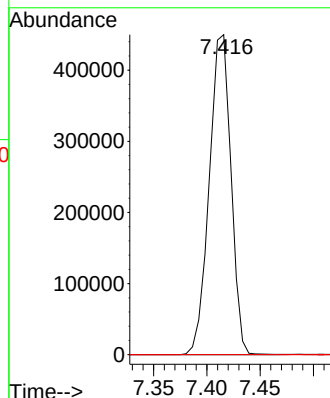
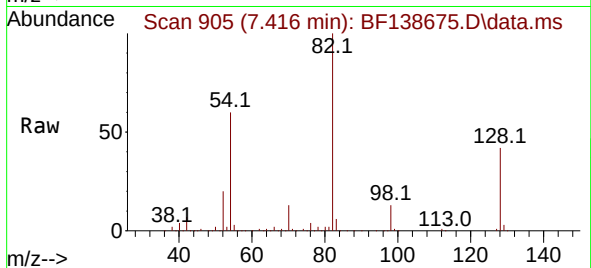




#25
Isophorone
Concen: 47.771 ng
RT: 7.416 min Scan# 90
Delta R.T. -0.271 min
Lab File: BF138675.D
Acq: 29 Jul 2024 18:14

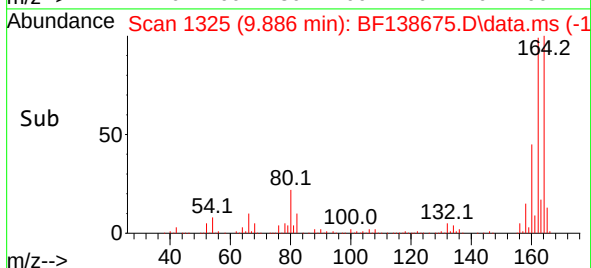
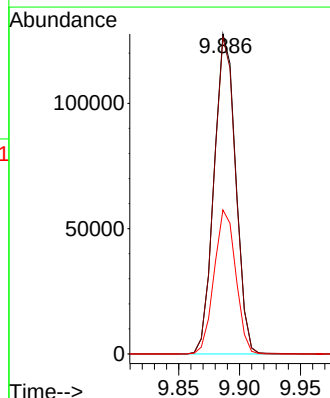
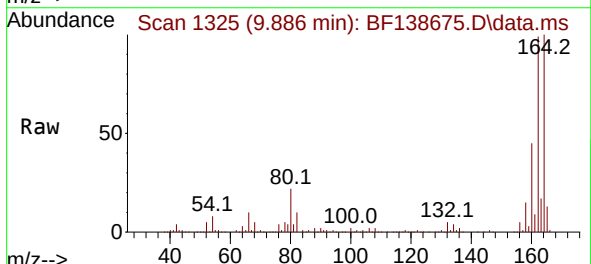
Instrument :
BNA_F
ClientSampleId :
72-11978

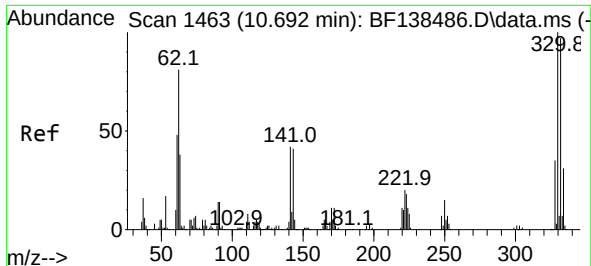
Tgt Ion: 82 Resp: 639883
Ion Ratio Lower Upper
82 100
95 0.0 6.0 9.0#
138 0.0 12.8 19.2#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.886 min Scan# 1325
Delta R.T. -0.018 min
Lab File: BF138675.D
Acq: 29 Jul 2024 18:14

Tgt Ion:164 Resp: 157997
Ion Ratio Lower Upper
164 100
162 98.9 79.0 118.6
160 45.0 34.4 51.6





#42

2,4,6-Tribromophenol

Concen: 95.270 ng

RT: 10.680 min Scan# 1463

Delta R.T. -0.012 min

Lab File: BF138675.D

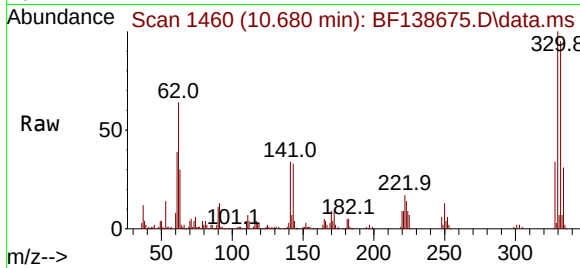
Acq: 29 Jul 2024 18:14

Instrument :

BNA_F

ClientSampleId :

72-11978



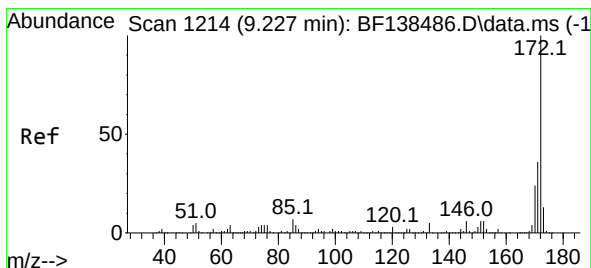
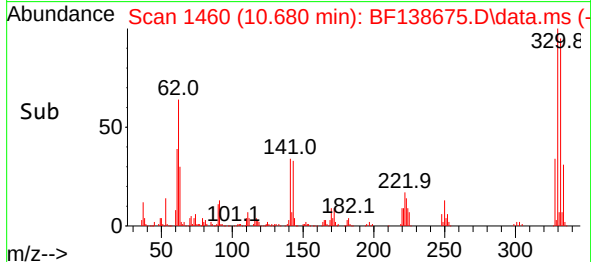
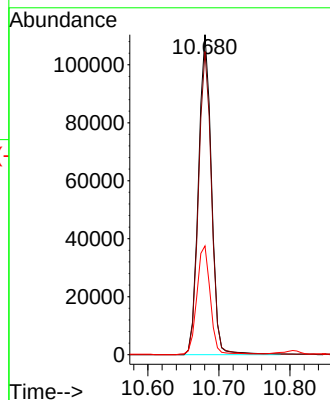
Tgt Ion:330 Resp: 140680

Ion Ratio Lower Upper

330 100

332 95.0 76.8 115.2

141 35.5 29.4 44.2



#45

2-Fluorobiphenyl

Concen: 93.257 ng

RT: 9.210 min Scan# 1210

Delta R.T. -0.018 min

Lab File: BF138675.D

Acq: 29 Jul 2024 18:14

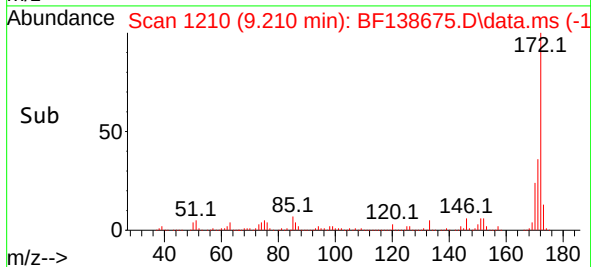
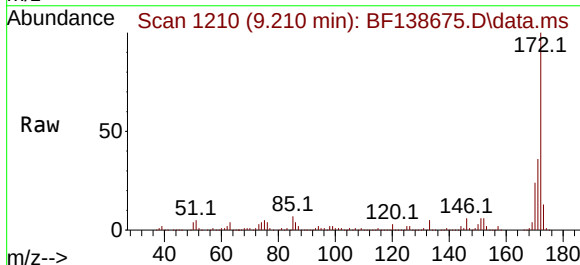
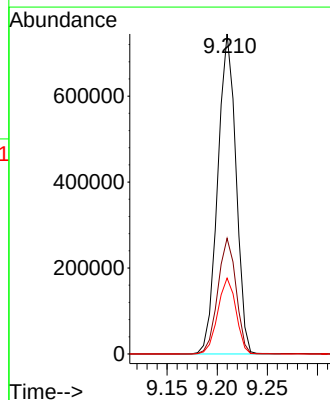
Tgt Ion:172 Resp: 942753

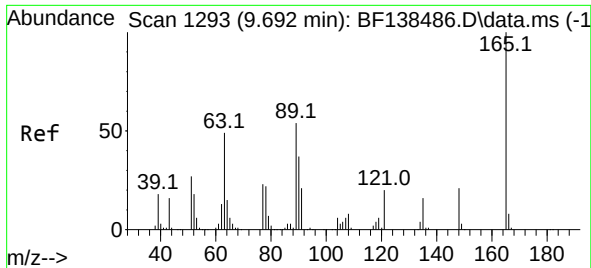
Ion Ratio Lower Upper

172 100

171 36.1 28.9 43.3

170 23.7 18.9 28.3

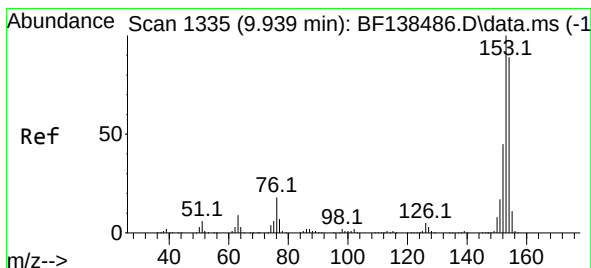
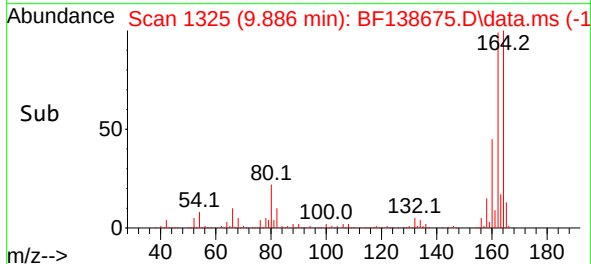
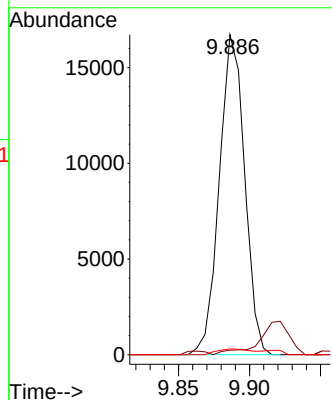
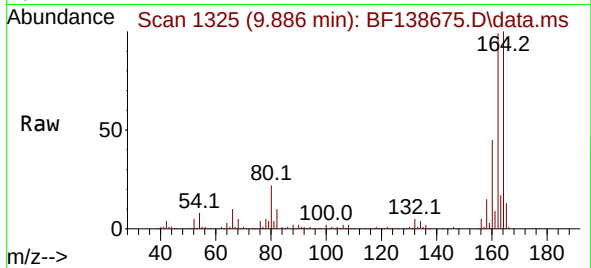




#51
2,6-Dinitrotoluene
Concen: 8.802 ng
RT: 9.886 min Scan# 11
Delta R.T. 0.194 min
Lab File: BF138675.D
Acq: 29 Jul 2024 18:14

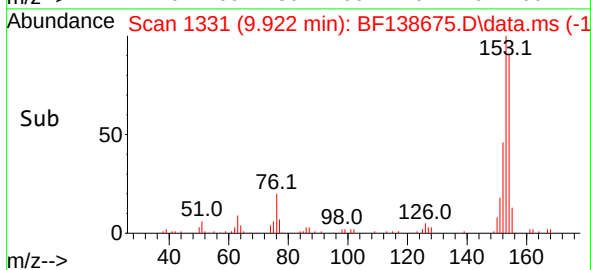
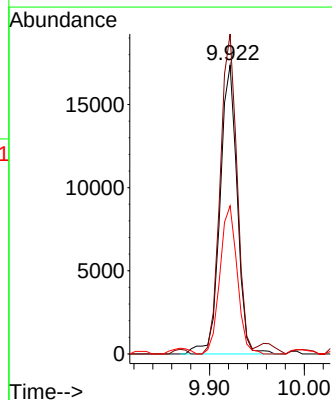
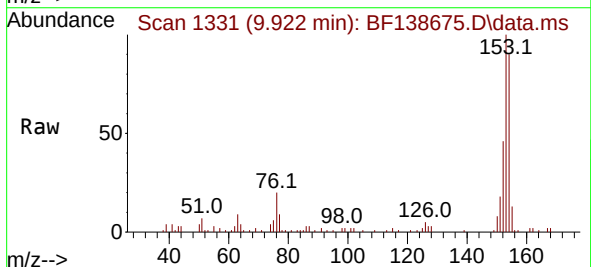
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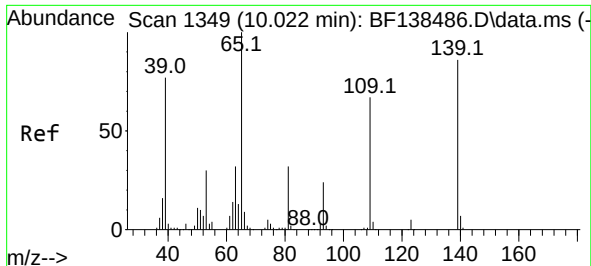
Tgt Ion:165 Resp: 20706
Ion Ratio Lower Upper
165 100
63 1.4 48.1 72.1#
89 1.8 43.0 64.6#



#52
Acenaphthene
Concen: 2.569 ng
RT: 9.922 min Scan# 1331
Delta R.T. -0.018 min
Lab File: BF138675.D
Acq: 29 Jul 2024 18:14

Tgt Ion:154 Resp: 21935
Ion Ratio Lower Upper
154 100
153 110.8 90.4 135.6
152 51.3 41.1 61.7

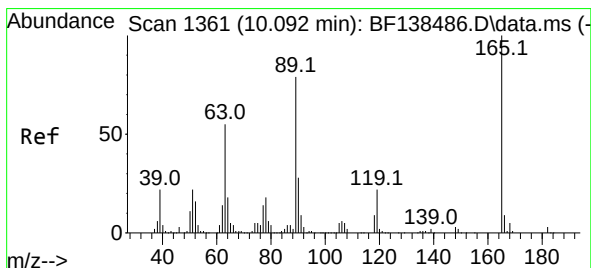
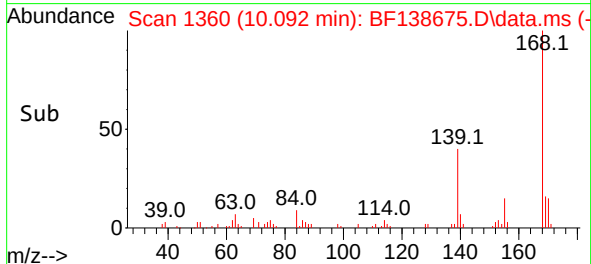
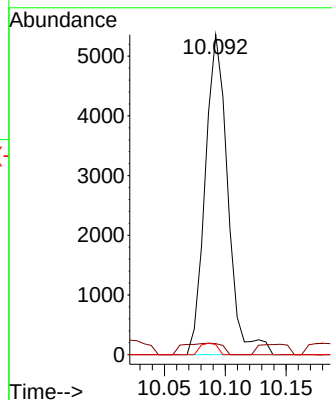
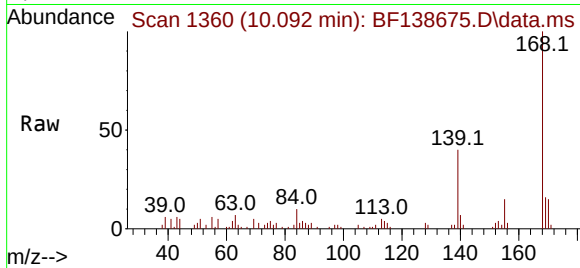




#56
4-Nitrophenol
Concen: 3.891 ng
RT: 10.092 min Scan# 11
Delta R.T. 0.071 min
Lab File: BF138675.D
Acq: 29 Jul 2024 18:14

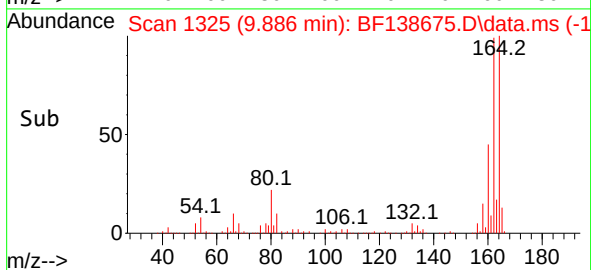
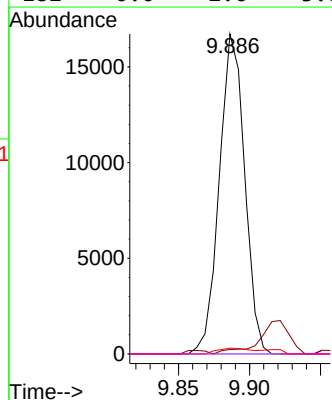
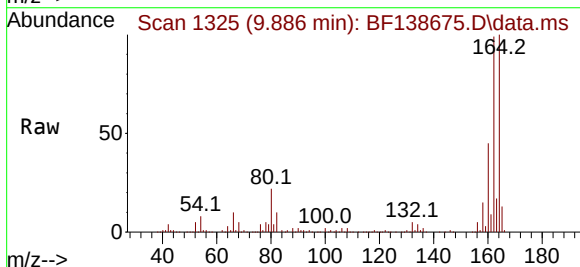
Instrument :
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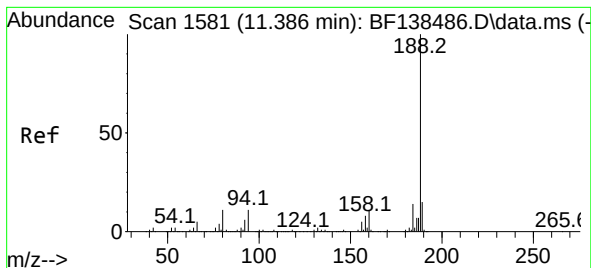
Tgt Ion:139 Resp: 6922
Ion Ratio Lower Upper
139 100
109 3.5 58.1 98.1#
65 3.2 96.9 136.9#



#57
2,4-Dinitrotoluene
Concen: 6.803 ng
RT: 9.886 min Scan# 1325
Delta R.T. -0.206 min
Lab File: BF138675.D
Acq: 29 Jul 2024 18:14

Tgt Ion:165 Resp: 20706
Ion Ratio Lower Upper
165 100
63 1.4 44.6 66.8#
89 1.8 63.4 95.2#
182 0.0 2.6 3.8#





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.374 min Scan# 1

Delta R.T. -0.012 min

Lab File: BF138675.D

Acq: 29 Jul 2024 18:14

Instrument :

BNA_F

ClientSampleId :

72-11978

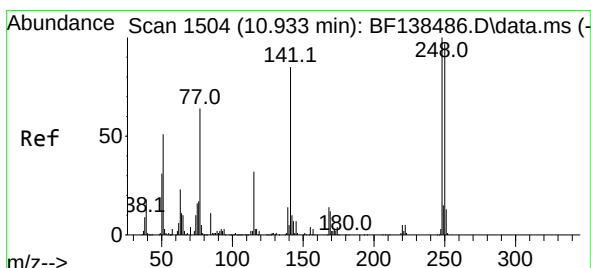
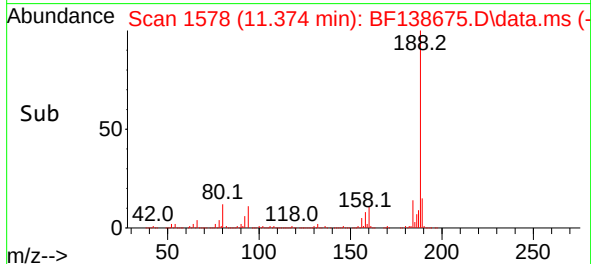
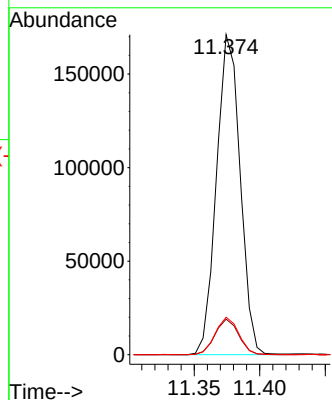
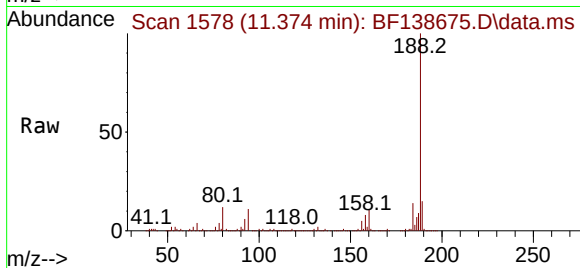
Tgt Ion:188 Resp: 214499

Ion Ratio Lower Upper

188 100

94 11.1 8.7 13.1

80 11.7 9.0 13.4



#67

4-Bromophenyl-phenylether

Concen: 3.846 ng

RT: 10.680 min Scan# 1460

Delta R.T. -0.253 min

Lab File: BF138675.D

Acq: 29 Jul 2024 18:14

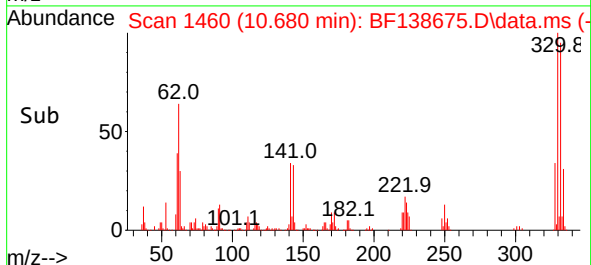
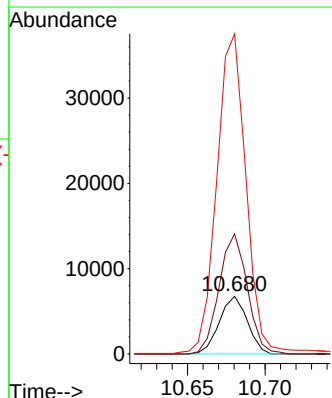
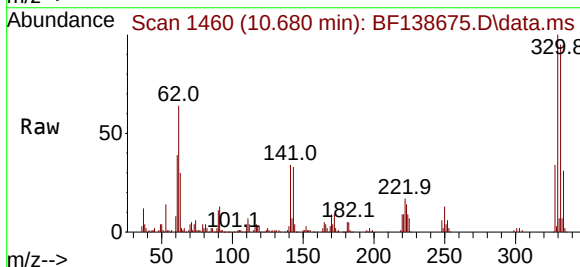
Tgt Ion:248 Resp: 8478

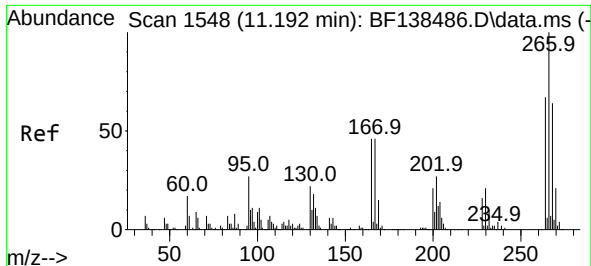
Ion Ratio Lower Upper

248 100

250 208.4 77.9 116.9#

141 554.9 67.7 101.5#

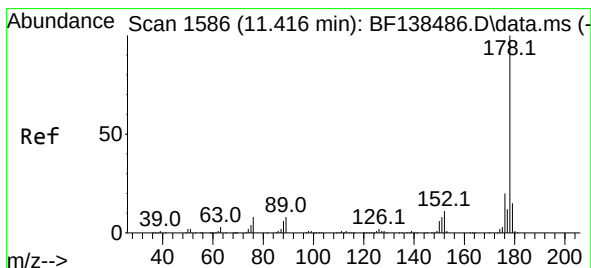
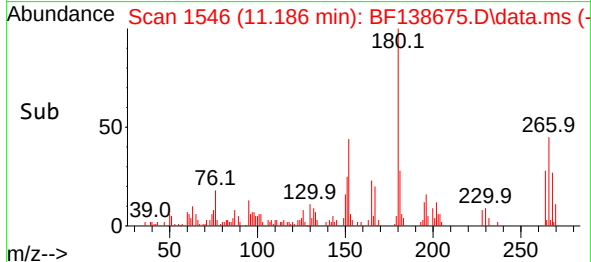
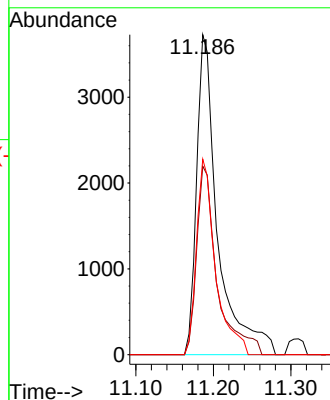
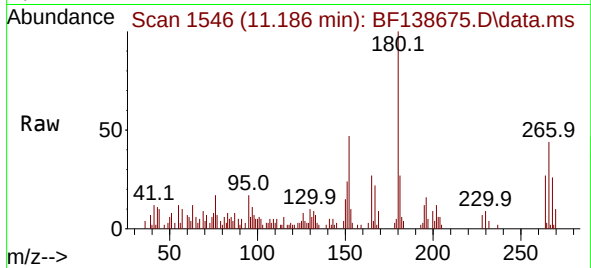




#70
 Pentachlorophenol
 Concen: 4.861 ng
 RT: 11.186 min Scan# 1546
 Delta R.T. -0.006 min
 Lab File: BF138675.D
 Acq: 29 Jul 2024 18:14

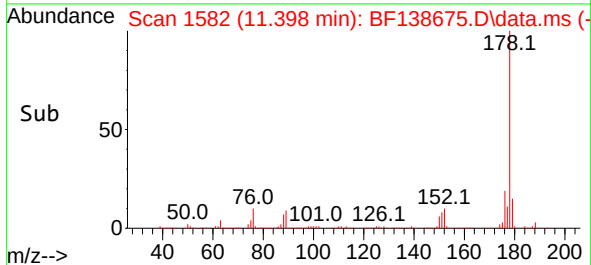
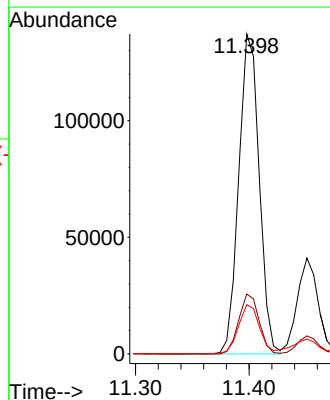
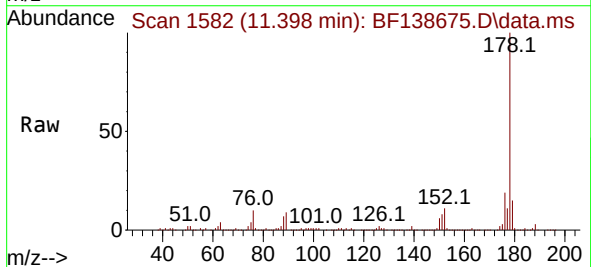
Instrument :
 BNA_F
 ClientSampleId :
 72-11978

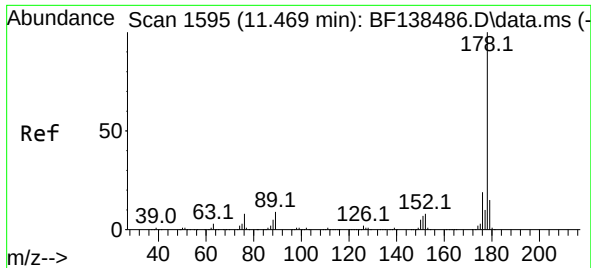
Tgt Ion:266 Resp: 7045
 Ion Ratio Lower Upper
 266 100
 268 64.4 50.9 76.3
 264 67.4 53.5 80.3



#71
 Phenanthrene
 Concen: 15.828 ng
 RT: 11.398 min Scan# 1582
 Delta R.T. -0.018 min
 Lab File: BF138675.D
 Acq: 29 Jul 2024 18:14

Tgt Ion:178 Resp: 171521
 Ion Ratio Lower Upper
 178 100
 176 18.7 15.7 23.5
 179 15.4 12.2 18.2

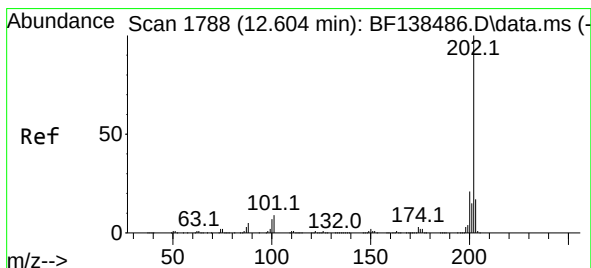
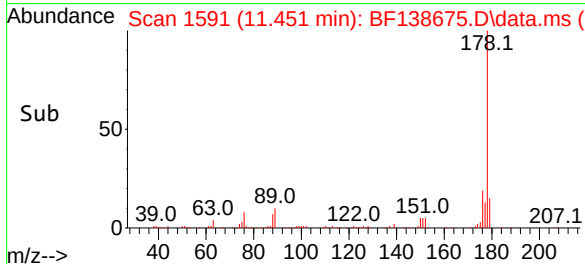
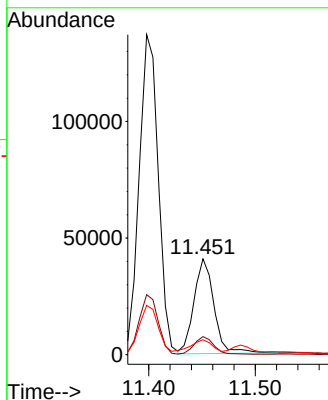
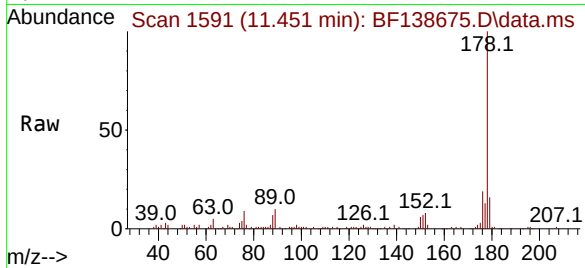




#72
 Anthracene
 Concen: 4.934 ng
 RT: 11.451 min Scan# 11
 Delta R.T. -0.018 min
 Lab File: BF138675.D
 Acq: 29 Jul 2024 18:14

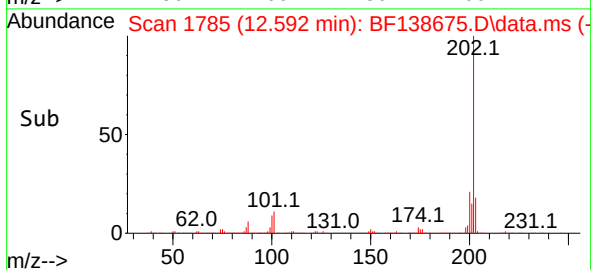
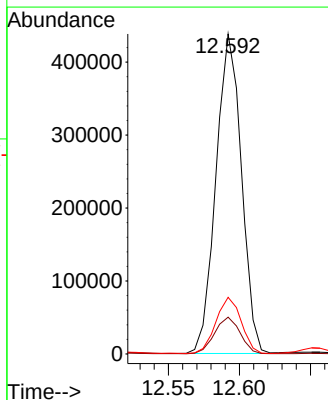
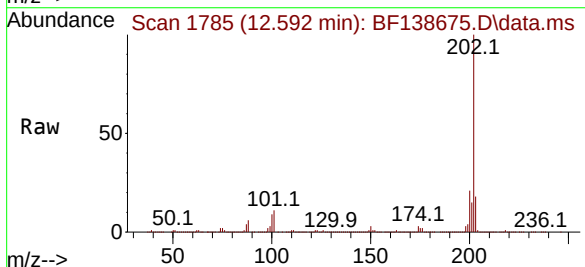
Instrument :
 BNA_F
 ClientSampleId :
 72-11978

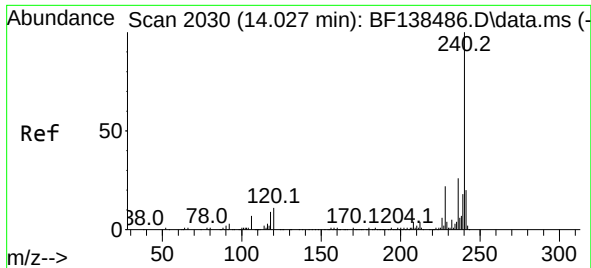
Tgt Ion:178 Resp: 53072
 Ion Ratio Lower Upper
 178 100
 176 18.9 14.8 22.2
 179 15.5 12.2 18.4



#75
 Fluoranthene
 Concen: 49.408 ng
 RT: 12.592 min Scan# 1785
 Delta R.T. -0.012 min
 Lab File: BF138675.D
 Acq: 29 Jul 2024 18:14

Tgt Ion:202 Resp: 546332
 Ion Ratio Lower Upper
 202 100
 101 11.5 0.0 29.2
 203 17.7 0.0 37.3

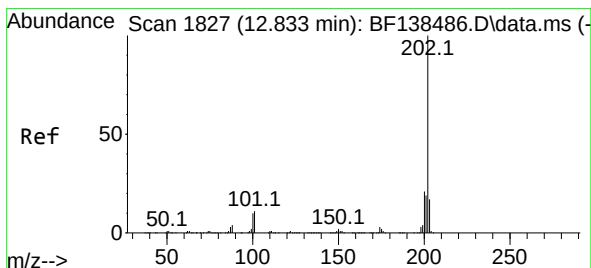
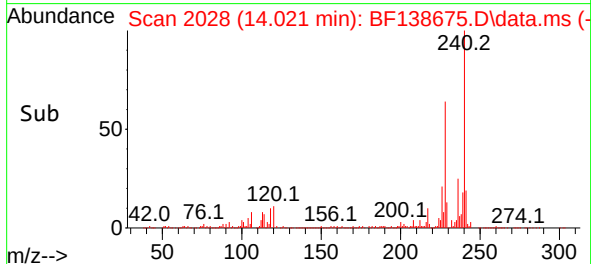
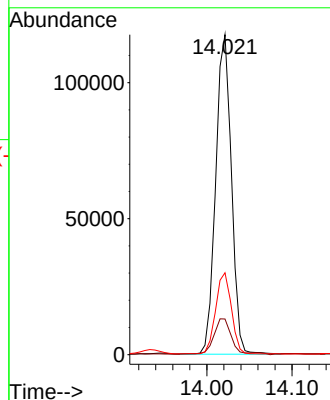
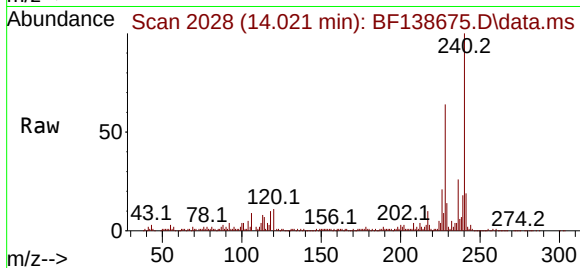




#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.021 min Scan# 2030
Delta R.T. -0.006 min
Lab File: BF138675.D
Acq: 29 Jul 2024 18:14

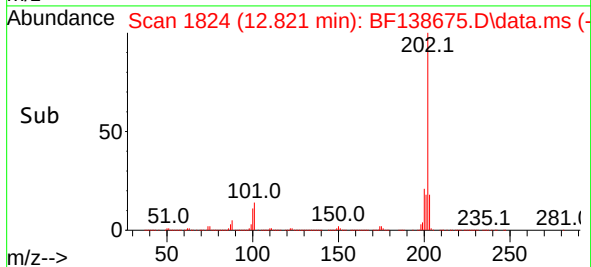
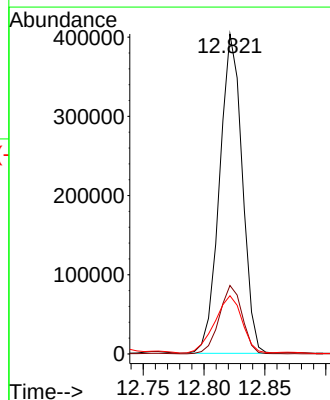
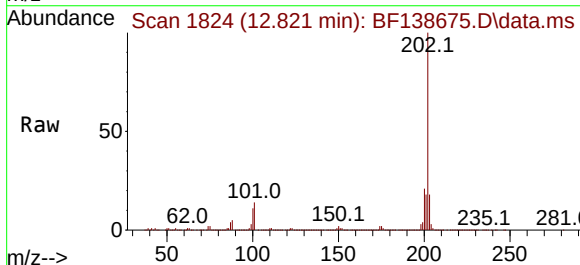
Instrument :
BNA_F
ClientSampleId :
72-11978

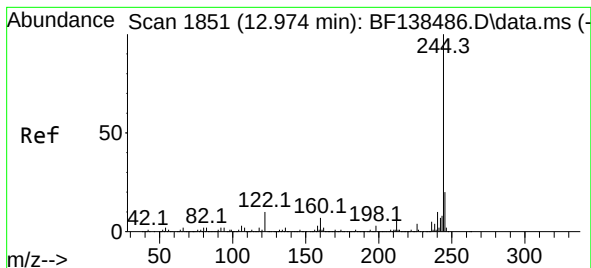
Tgt Ion:240 Resp: 150624
Ion Ratio Lower Upper
240 100
120 11.1 8.6 12.8
236 25.6 21.0 31.6



#78
Pyrene
Concen: 34.236 ng
RT: 12.821 min Scan# 1824
Delta R.T. -0.012 min
Lab File: BF138675.D
Acq: 29 Jul 2024 18:14

Tgt Ion:202 Resp: 523474
Ion Ratio Lower Upper
202 100
200 21.4 17.0 25.6
203 18.2 13.7 20.5





#79

Terphenyl-d14

Concen: 81.684 ng

RT: 12.963 min Scan# 1848

Delta R.T. -0.012 min

Lab File: BF138675.D

Acq: 29 Jul 2024 18:14

Instrument :

BNA_F

ClientSampleId :

72-11978

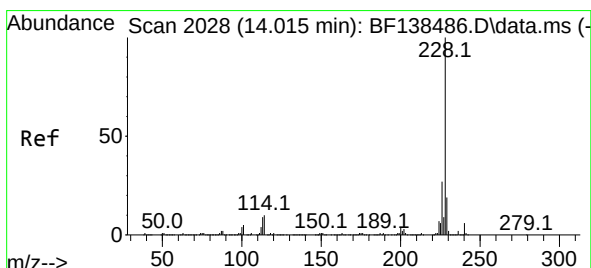
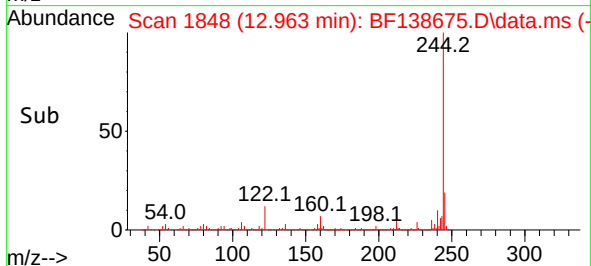
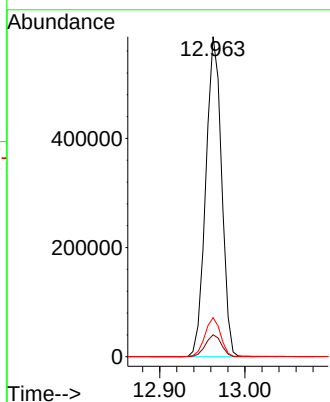
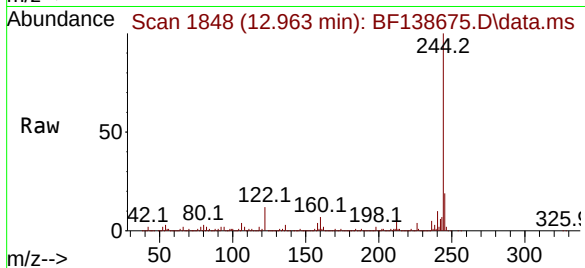
Tgt Ion:244 Resp: 755228

Ion Ratio Lower Upper

244 100

212 6.9 5.5 8.3

122 12.2 7.8 11.8#



#81

Benzo(a)anthracene

Concen: 19.983 ng

RT: 14.010 min Scan# 2026

Delta R.T. -0.006 min

Lab File: BF138675.D

Acq: 29 Jul 2024 18:14

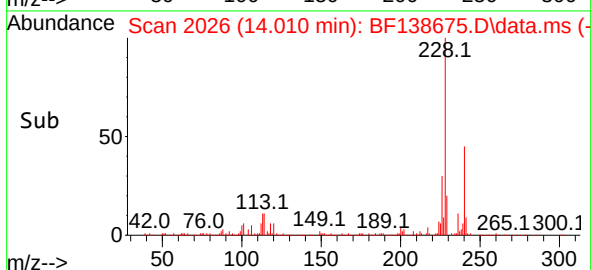
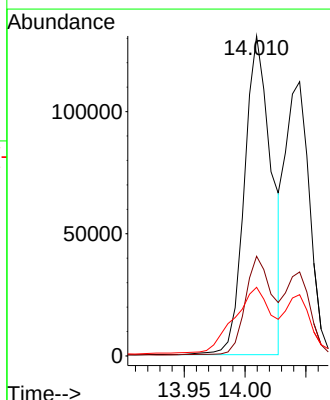
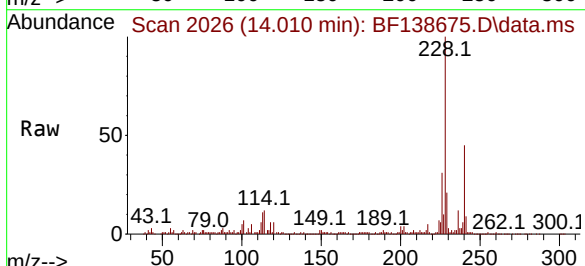
Tgt Ion:228 Resp: 201963

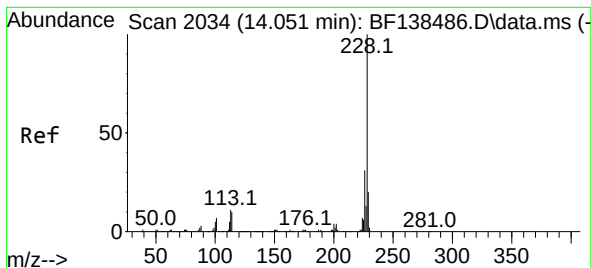
Ion Ratio Lower Upper

228 100

226 31.1 21.9 32.9

229 21.4 15.5 23.3





#83

Chrysene

Concen: 15.973 ng

RT: 14.045 min Scan# 2034

Delta R.T. -0.006 min

Lab File: BF138675.D

Acq: 29 Jul 2024 18:14

Instrument :

BNA_F

ClientSampleId :

72-11978

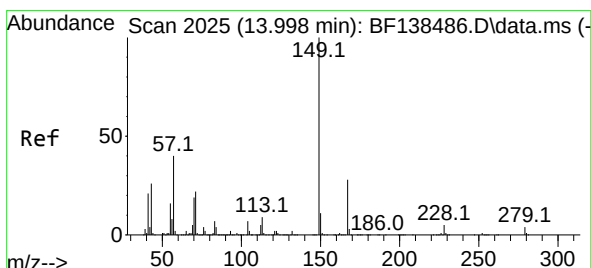
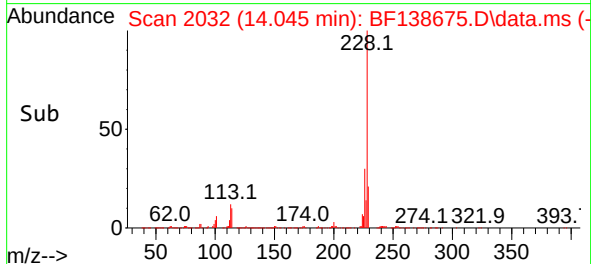
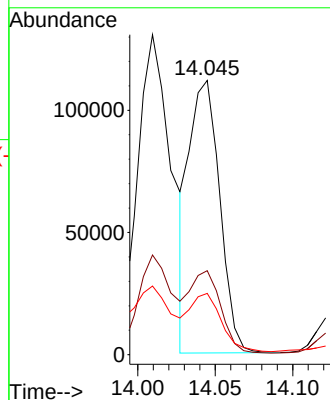
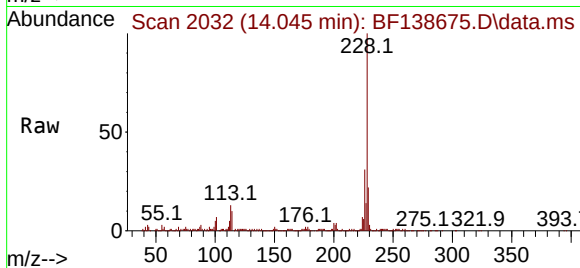
Tgt Ion:228 Resp: 152719

Ion Ratio Lower Upper

228 100

226 30.6 24.4 36.6

229 22.4 16.0 24.0



#84

Bis(2-ethylhexyl)phthalate

Concen: 4.928 ng

RT: 13.992 min Scan# 2023

Delta R.T. -0.006 min

Lab File: BF138675.D

Acq: 29 Jul 2024 18:14

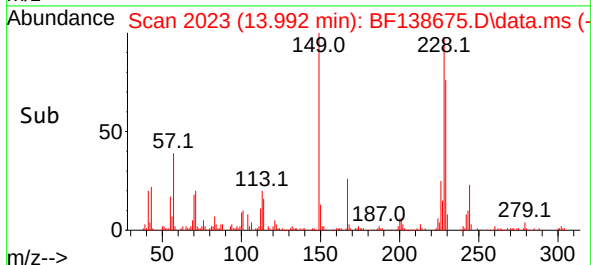
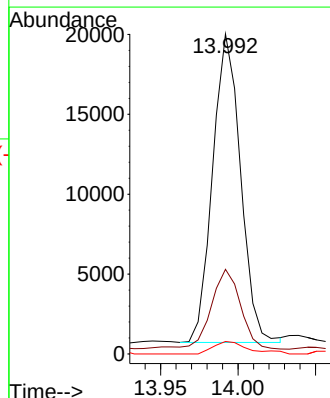
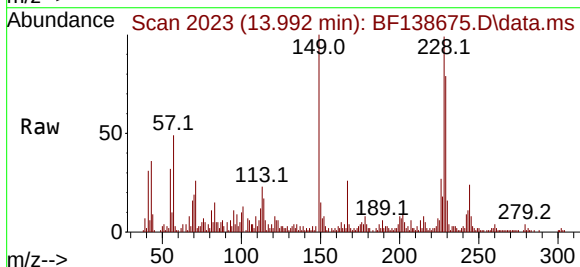
Tgt Ion:149 Resp: 24175

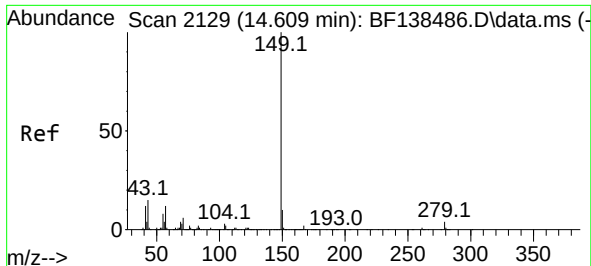
Ion Ratio Lower Upper

149 100

167 26.4 22.5 33.7

279 3.9 3.0 4.6

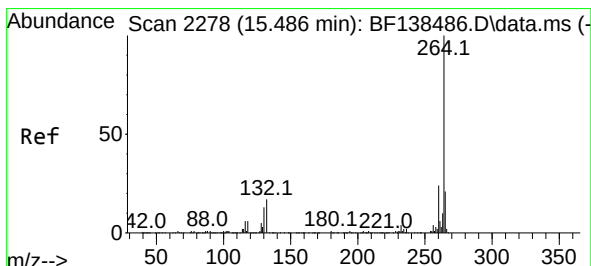
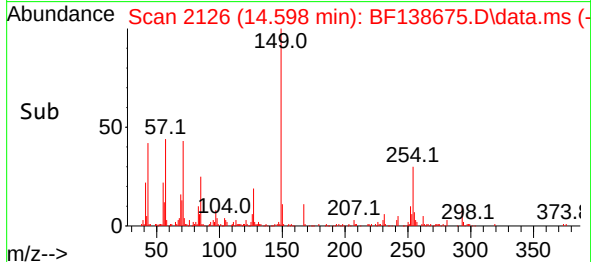
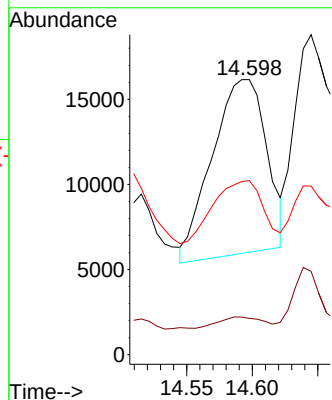
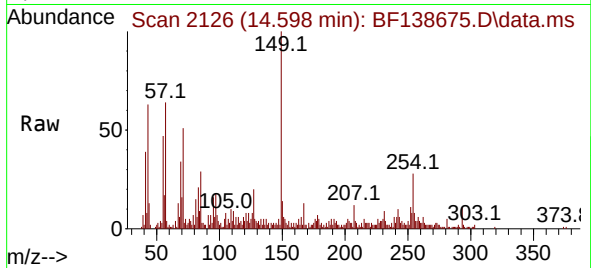




#85
Di-n-octyl phthalate
Concen: 3.824 ng
RT: 14.598 min Scan# 2129
Delta R.T. -0.011 min
Lab File: BF138675.D
Acq: 29 Jul 2024 18:14

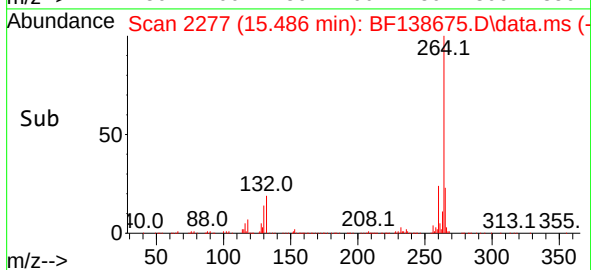
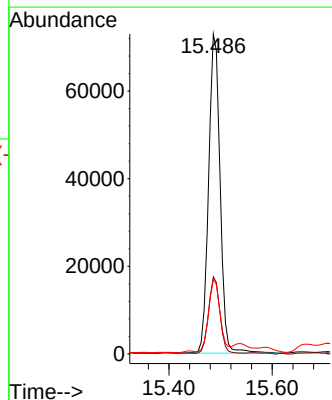
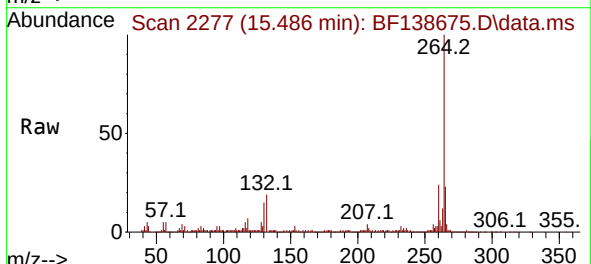
Instrument :
BNA_F
ClientSampleId :
72-11978

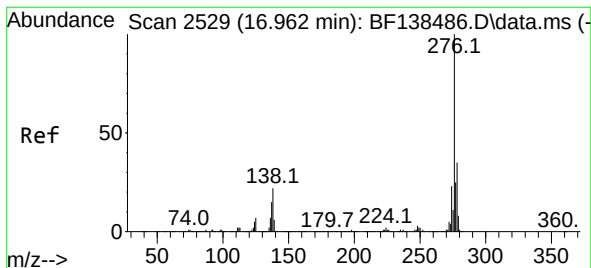
Tgt Ion:149 Resp: 29636
Ion Ratio Lower Upper
149 100
167 5.1 1.3 1.9#
43 31.7 10.7 16.1#



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.486 min Scan# 2277
Delta R.T. 0.000 min
Lab File: BF138675.D
Acq: 29 Jul 2024 18:14

Tgt Ion:264 Resp: 112419
Ion Ratio Lower Upper
264 100
260 24.1 19.0 28.6
265 23.3 17.0 25.4





#87

Indeno(1,2,3-cd)pyrene

Concen: 6.536 ng

RT: 16.956 min Scan# 21

Delta R.T. -0.006 min

Lab File: BF138675.D

Acq: 29 Jul 2024 18:14

Instrument :

BNA_F

ClientSampleId :

72-11978

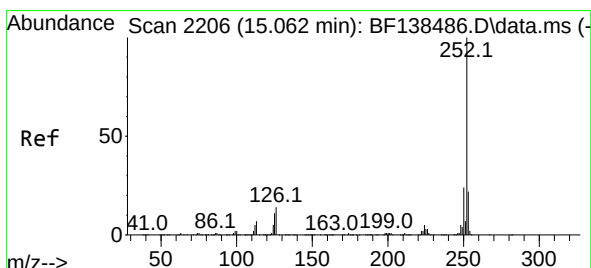
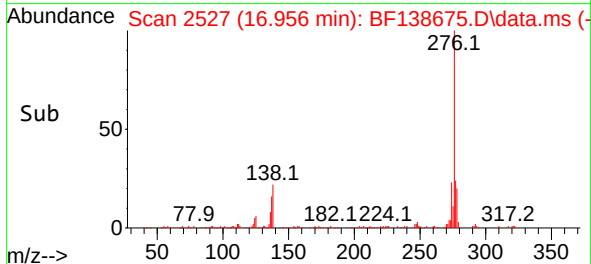
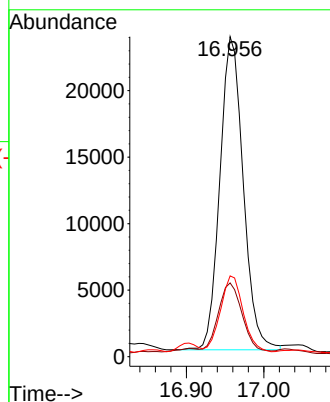
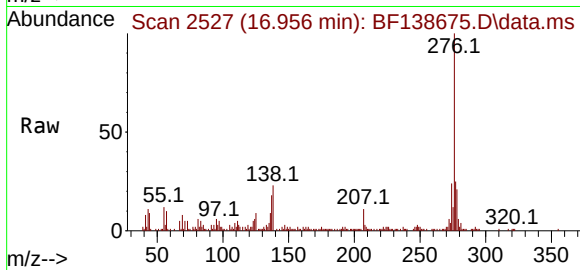
Tgt Ion:276 Resp: 49358

Ion Ratio Lower Upper

276 100

138 22.8 19.6 29.4

277 23.4 20.5 30.7



#88

Benzo(b)fluoranthene

Concen: 34.054 ng

RT: 15.062 min Scan# 2205

Delta R.T. 0.000 min

Lab File: BF138675.D

Acq: 29 Jul 2024 18:14

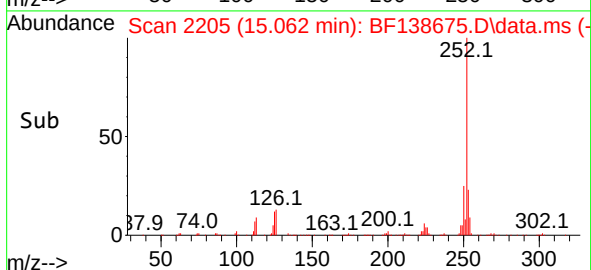
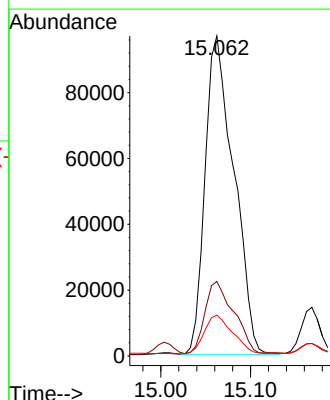
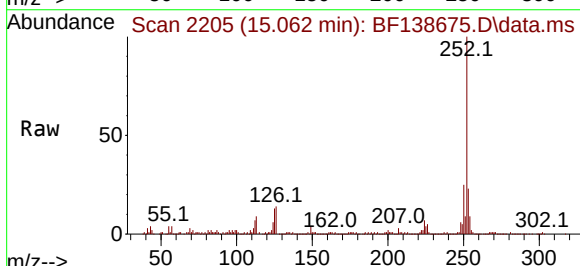
Tgt Ion:252 Resp: 215601

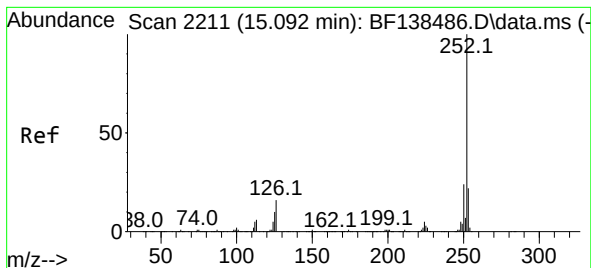
Ion Ratio Lower Upper

252 100

253 23.3 17.3 25.9

125 12.8 8.6 13.0





#89

Benzo(k)fluoranthene

Concen: 34.917 ng

RT: 15.062 min Scan# 21

Delta R.T. -0.029 min

Lab File: BF138675.D

Acq: 29 Jul 2024 18:14

Instrument :

BNA_F

ClientSampleId :

72-11978

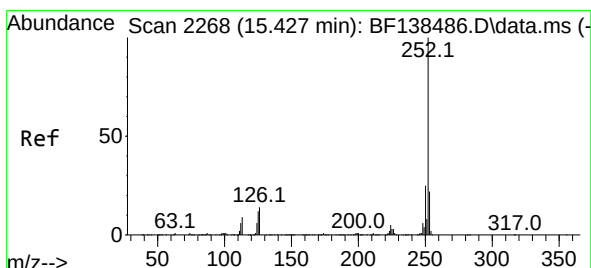
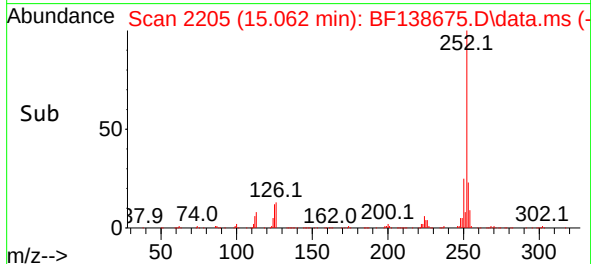
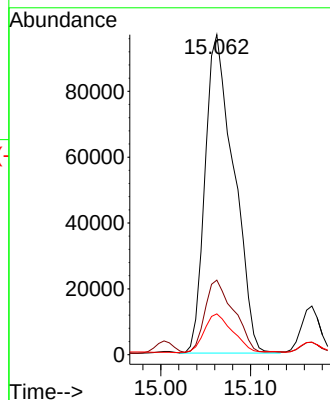
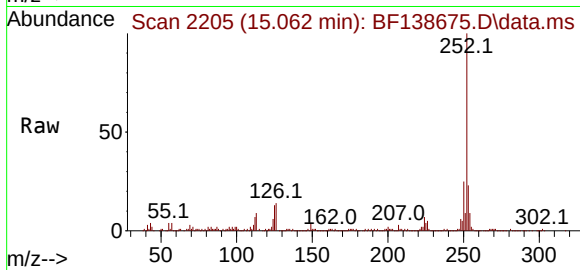
Tgt Ion:252 Resp: 215601

Ion Ratio Lower Upper

252 100

253 23.3 17.7 26.5

125 12.8 8.1 12.1#



#90

Benzo(a)pyrene

Concen: 14.625 ng

RT: 15.427 min Scan# 2267

Delta R.T. 0.000 min

Lab File: BF138675.D

Acq: 29 Jul 2024 18:14

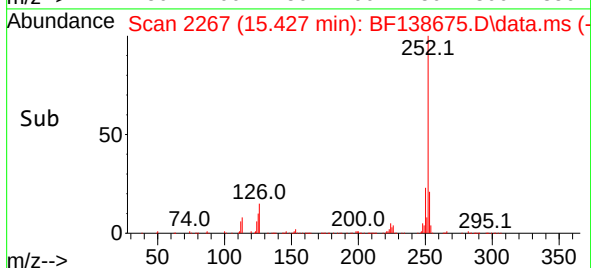
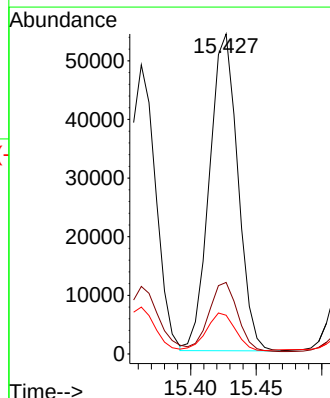
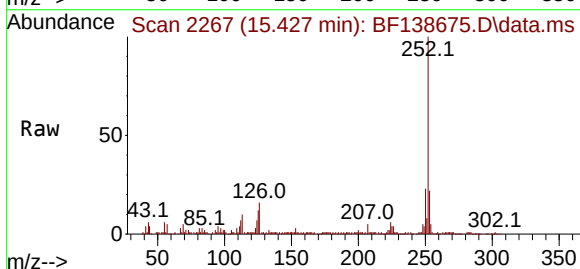
Tgt Ion:252 Resp: 81340

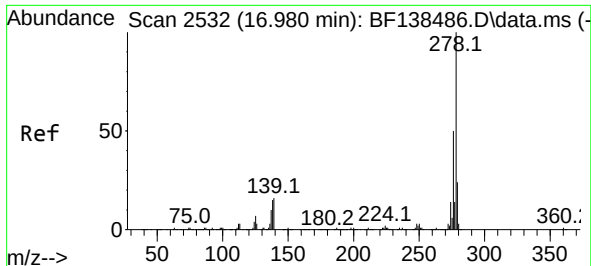
Ion Ratio Lower Upper

252 100

253 22.3 17.4 26.0

125 12.1 9.4 14.2

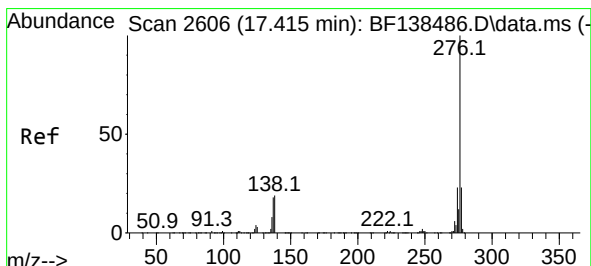
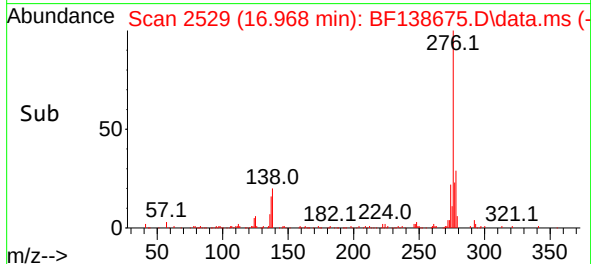
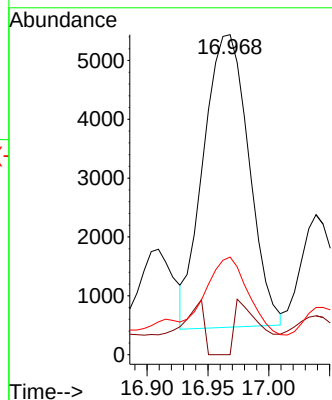
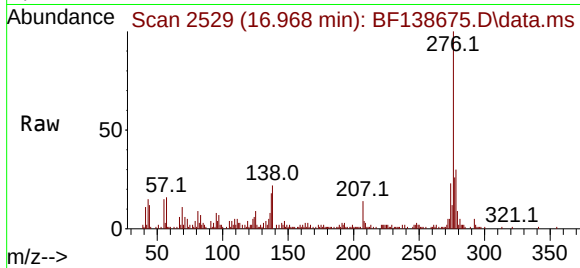




#91
 Dibenzo(a,h)anthracene
 Concen: 2.090 ng
 RT: 16.968 min Scan# 21
 Delta R.T. -0.012 min
 Lab File: BF138675.D
 Acq: 29 Jul 2024 18:14

Instrument :
 BNA_F
 ClientSampleId :
 72-11978

Tgt Ion:278 Resp: 12912
 Ion Ratio Lower Upper
 278 100
 139 0.0 12.8 19.2#
 279 30.5 19.1 28.7#



#92
 Benzo(g,h,i)perylene
 Concen: 7.177 ng
 RT: 17.403 min Scan# 2603
 Delta R.T. -0.012 min
 Lab File: BF138675.D
 Acq: 29 Jul 2024 18:14

Tgt Ion:276 Resp: 47007
 Ion Ratio Lower Upper
 276 100
 277 25.4 18.0 27.0
 138 23.8 15.5 23.3#

