

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF070124\
 Data File : BF138413.D
 Acq On : 01 Jul 2024 20:04
 Operator : CG\JU
 Sample : P3077-01
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 1-N-1

Quant Time: Jul 02 01:16:21 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF062824.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Sat Jun 29 02:44:30 2024
 Response via : Initial Calibration

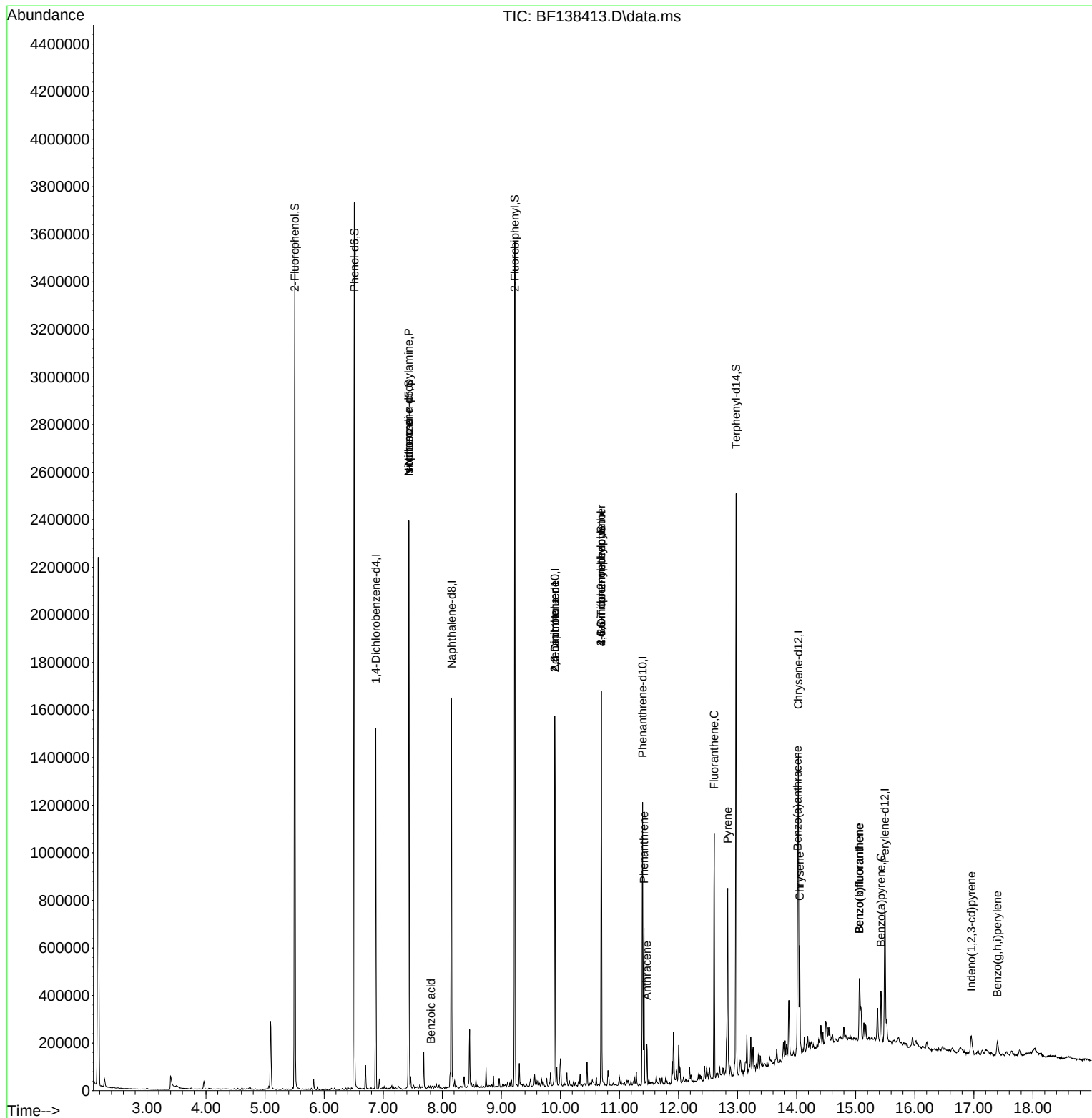
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.875	152	185011	20.000	ng	0.00
21) Naphthalene-d8	8.157	136	685244	20.000	ng	0.00
39) Acenaphthene-d10	9.904	164	298797	20.000	ng	-0.01
64) Phenanthrene-d10	11.392	188	399212	20.000	ng	0.00
76) Chrysene-d12	14.027	240	340766	20.000	ng	0.00
86) Perylene-d12	15.492	264	270439	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.504	112	865269	77.540	ng	0.00
7) Phenol-d6	6.510	99	1120151	74.516	ng	0.00
23) Nitrobenzene-d5	7.434	82	688234	52.174	ng	-0.01
42) 2,4,6-Tribromophenol	10.692	330	155922	63.871	ng	-0.01
45) 2-Fluorobiphenyl	9.228	172	923312	49.178	ng	0.00
79) Terphenyl-d14	12.974	244	764900	30.761	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propyla...	7.434	70	90450	9.545	ng	# 77
25) Isophorone	7.434	82	684377	28.137	ng	# 67
32) Benzoic acid	7.810	122	77	4.110	ng	# 39
51) 2,6-Dinitrotoluene	9.904	165	40279	9.365	ng	# 21
57) 2,4-Dinitrotoluene	9.904	165	40279	7.606	ng	# 19
65) 4,6-Dinitro-2-methylph...	10.692	198	550	6.026	ng	# 1
67) 4-Bromophenyl-phenylether	10.692	248	10661	2.484	ng	# 1
71) Phenanthrene	11.416	178	220077	11.291	ng	98
72) Anthracene	11.463	178	60085	3.091	ng	99
75) Fluoranthene	12.604	202	370888	21.225	ng	99
78) Pyrene	12.833	202	333628	9.160	ng	100
81) Benzo(a)anthracene	14.016	228	186968	8.524	ng	97
83) Chrysene	14.051	228	154340	7.232	ng	97
87) Indeno(1,2,3-cd)pyrene	16.957	276	48197	3.547	ng	95
88) Benzo(b)fluoranthene	15.063	252	198917	13.406	ng	# 94
89) Benzo(k)fluoranthene	15.063	252	198917	14.555	ng	# 95
90) Benzo(a)pyrene	15.427	252	95944	7.377	ng	# 96
92) Benzo(g,h,i)perylene	17.398	276	43997	4.100	ng	# 88

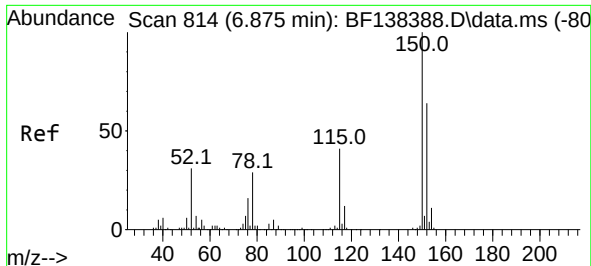
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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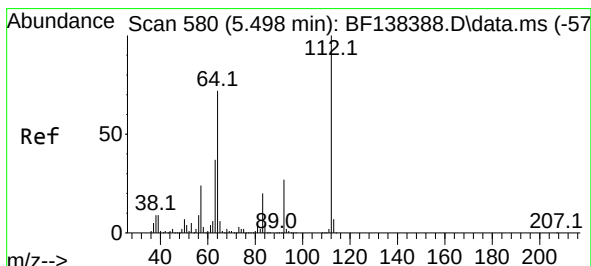
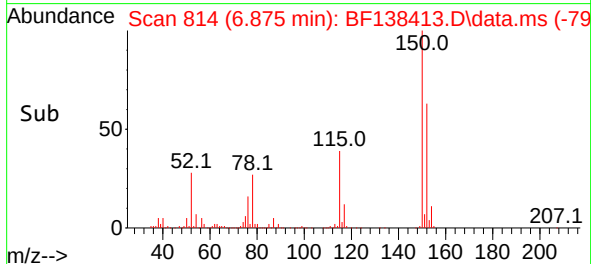
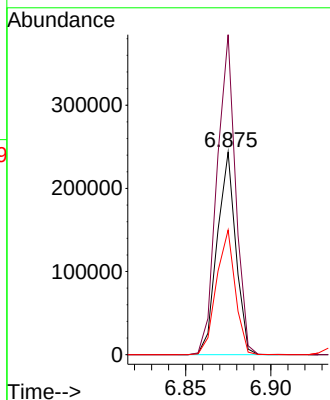
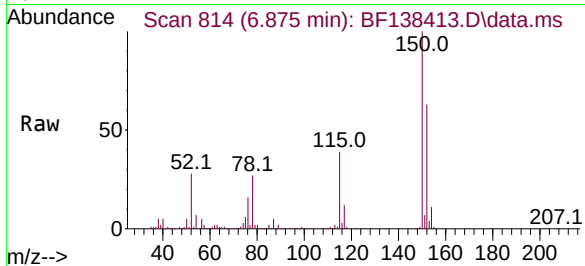




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.875 min Scan# 814
Delta R.T. -0.000 min
Lab File: BF138413.D
Acq: 01 Jul 2024 20:04

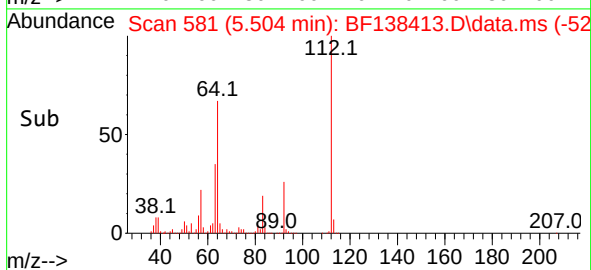
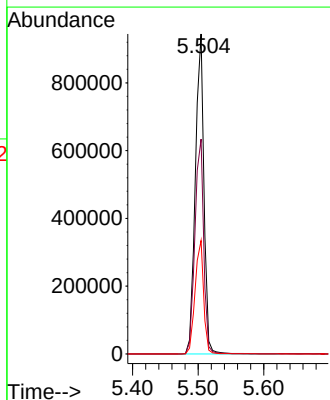
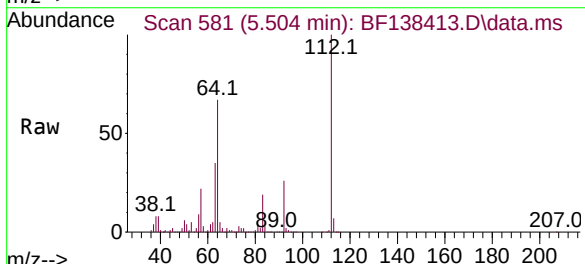
Instrument :
BNA_F
ClientSampleId :
1-N-1

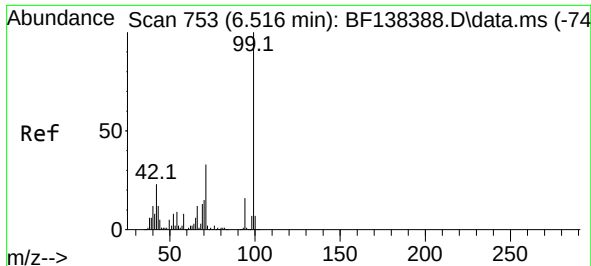
Tgt Ion:152 Resp: 185011
Ion Ratio Lower Upper
152 100
150 158.0 124.9 187.3
115 61.5 50.8 76.2



#5
2-Fluorophenol
Concen: 77.540 ng
RT: 5.504 min Scan# 581
Delta R.T. 0.006 min
Lab File: BF138413.D
Acq: 01 Jul 2024 20:04

Tgt Ion:112 Resp: 865269
Ion Ratio Lower Upper
112 100
64 67.1 57.2 85.8
63 35.4 29.4 44.0

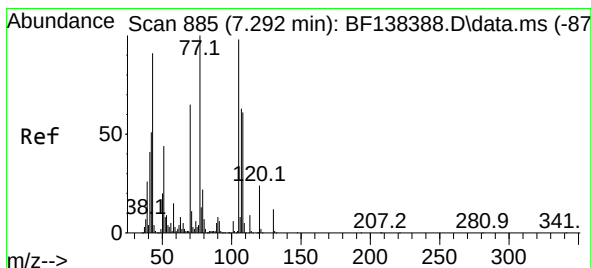
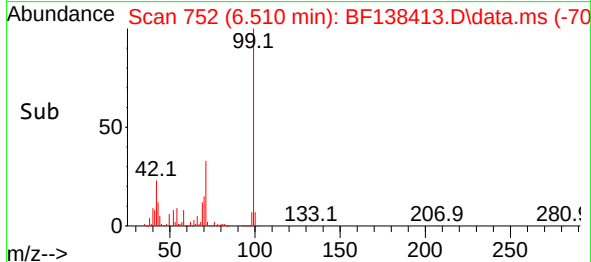
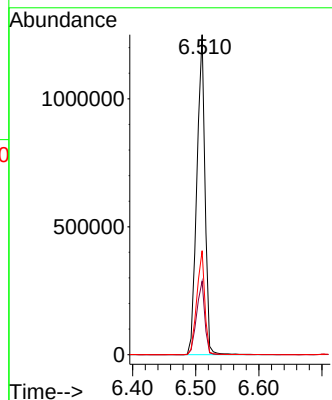
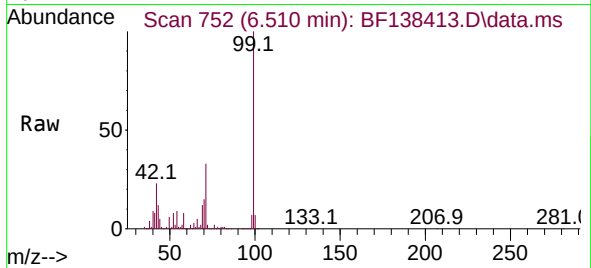




#7
Phenol-d6
Concen: 74.516 ng
RT: 6.510 min Scan# 71
Delta R.T. -0.006 min
Lab File: BF138413.D
Acq: 01 Jul 2024 20:04

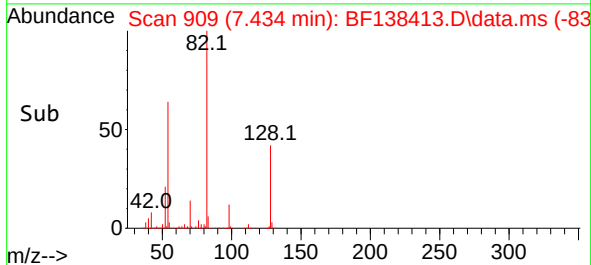
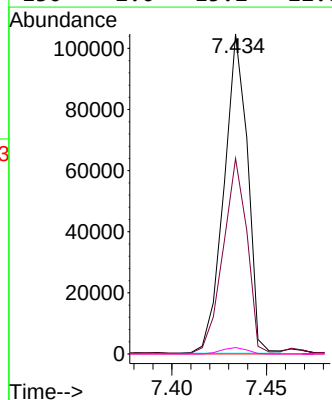
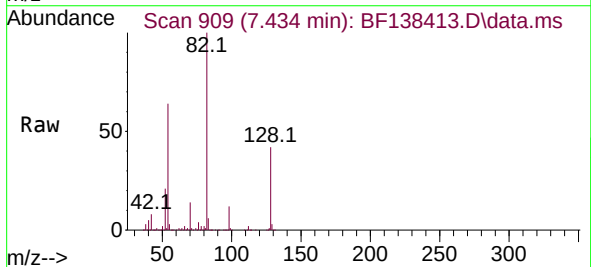
Instrument :
BNA_F
ClientSampleId :
1-N-1

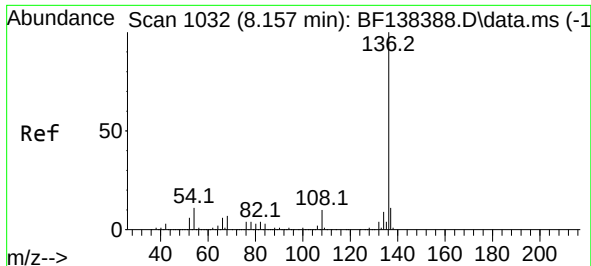
Tgt Ion: 99 Resp: 1120151
Ion Ratio Lower Upper
99 100
42 23.0 18.5 27.7
71 32.5 26.1 39.1



#19
n-Nitroso-di-n-propylamine
Concen: 9.545 ng
RT: 7.434 min Scan# 909
Delta R.T. 0.141 min
Lab File: BF138413.D
Acq: 01 Jul 2024 20:04

Tgt Ion: 70 Resp: 90450
Ion Ratio Lower Upper
70 100
42 61.1 62.5 93.7#
101 0.0 7.0 10.4#
130 2.0 15.2 22.8#

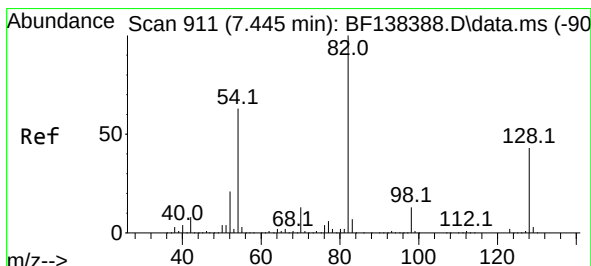
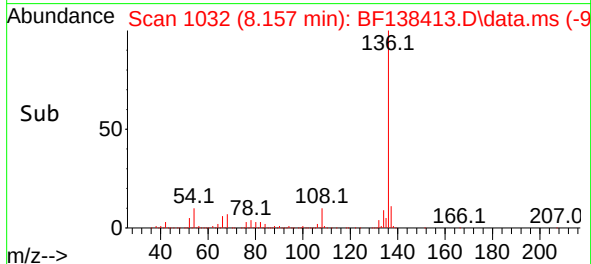
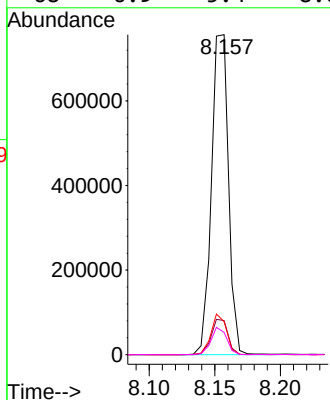
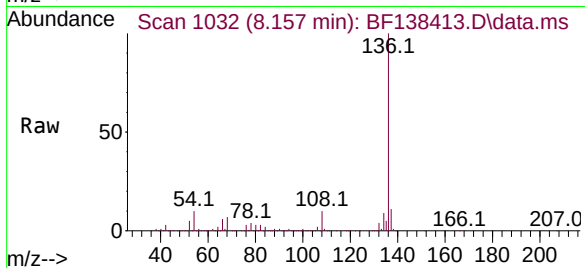




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.157 min Scan# 10
Delta R.T. 0.000 min
Lab File: BF138413.D
Acq: 01 Jul 2024 20:04

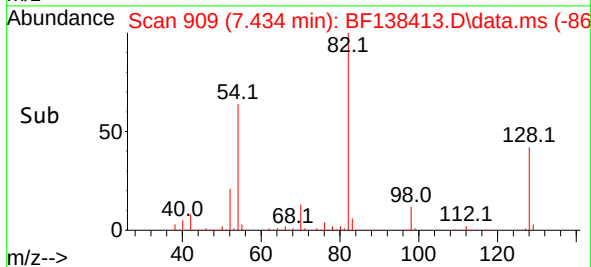
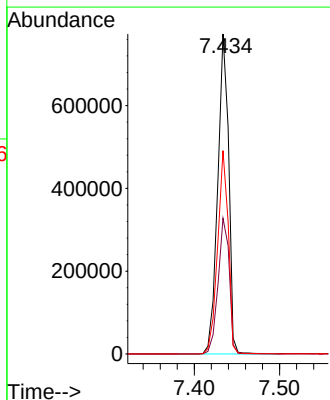
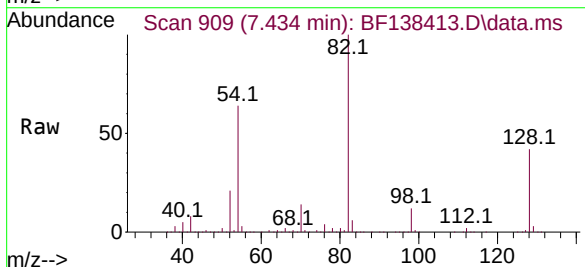
Instrument :
BNA_F
ClientSampleId :
1-N-1

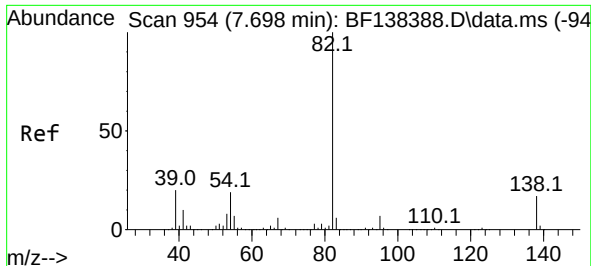
Tgt Ion:	136	Resp:	685244
Ion	Ratio	Lower	Upper
136	100		
137	10.6	8.8	13.2
54	10.3	9.0	13.4
68	6.9	5.4	8.0



#23
Nitrobenzene-d5
Concen: 52.174 ng
RT: 7.434 min Scan# 909
Delta R.T. -0.012 min
Lab File: BF138413.D
Acq: 01 Jul 2024 20:04

Tgt Ion:	82	Resp:	688234
Ion	Ratio	Lower	Upper
82	100		
128	42.4	34.6	52.0
54	63.5	50.5	75.7

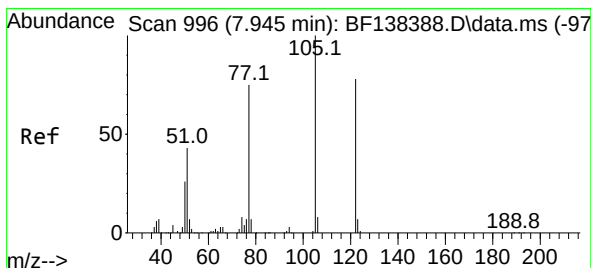
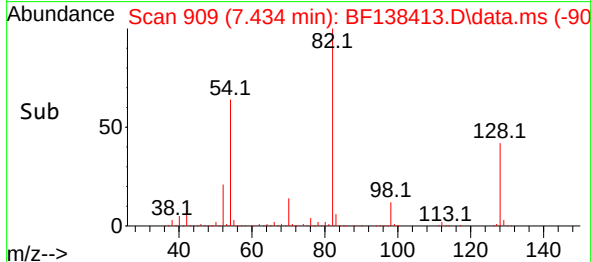
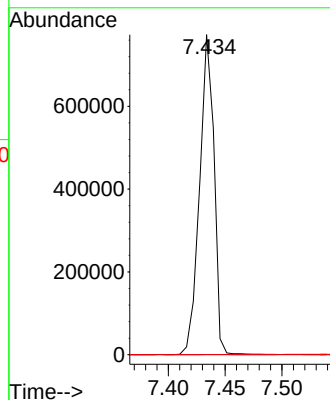
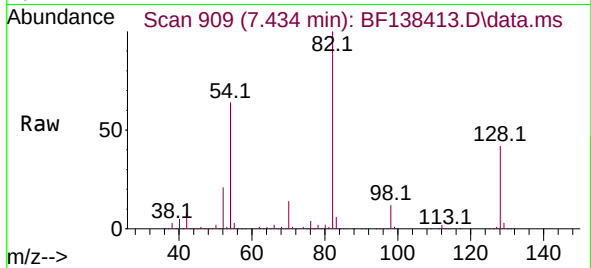




#25
Isophorone
Concen: 28.137 ng
RT: 7.434 min Scan# 90
Delta R.T. -0.265 min
Lab File: BF138413.D
Acq: 01 Jul 2024 20:04

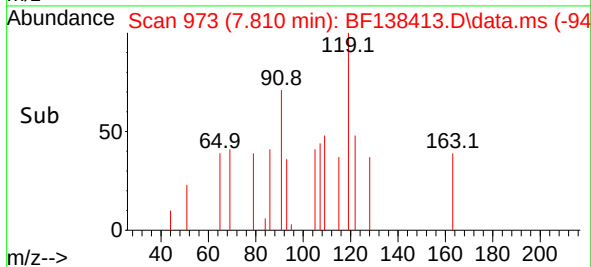
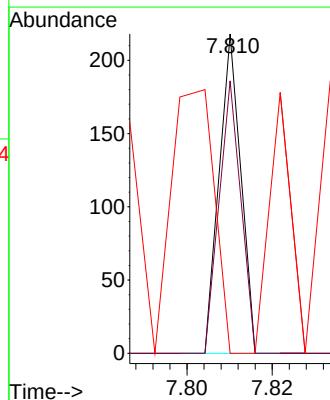
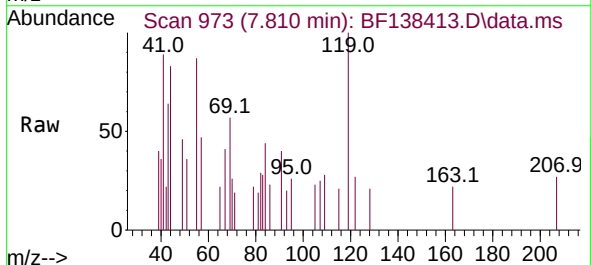
Instrument :
BNA_F
ClientSampleId :
1-N-1

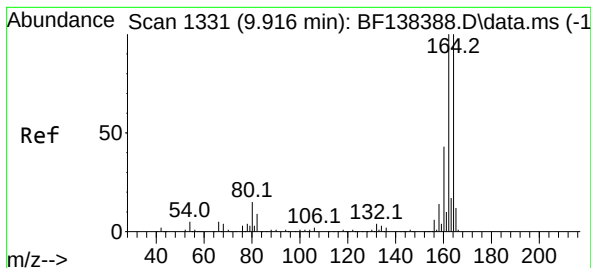
Tgt Ion: 82 Resp: 684377
Ion Ratio Lower Upper
82 100
95 0.0 5.7 8.5#
138 0.0 13.4 20.2#



#32
Benzoic acid
Concen: 4.110 ng
RT: 7.810 min Scan# 973
Delta R.T. -0.135 min
Lab File: BF138413.D
Acq: 01 Jul 2024 20:04

Tgt Ion: 122 Resp: 77
Ion Ratio Lower Upper
122 100
105 85.3 103.8 143.8#
77 0.0 74.3 114.3#





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.904 min Scan# 1

Delta R.T. -0.012 min

Lab File: BF138413.D

Acq: 01 Jul 2024 20:04

Instrument :

BNA_F

ClientSampleId :

1-N-1

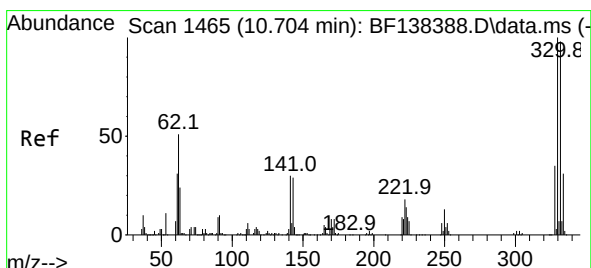
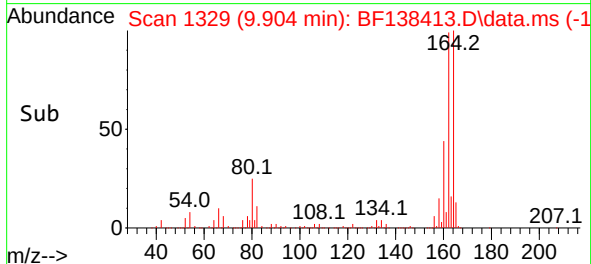
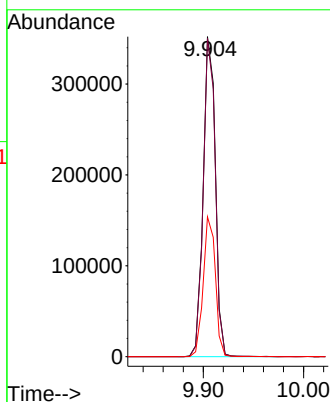
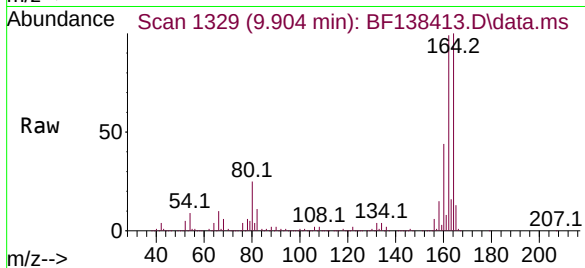
Tgt Ion:164 Resp: 298797

Ion Ratio Lower Upper

164 100

162 99.4 80.1 120.1

160 43.7 34.1 51.1



#42

2,4,6-Tribromophenol

Concen: 63.871 ng

RT: 10.692 min Scan# 1463

Delta R.T. -0.012 min

Lab File: BF138413.D

Acq: 01 Jul 2024 20:04

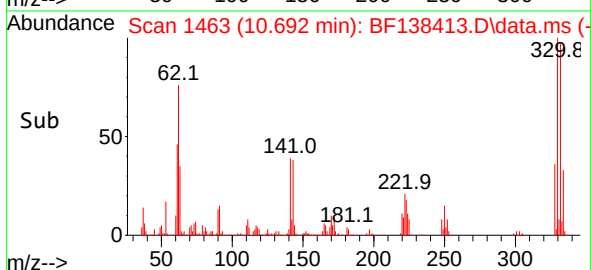
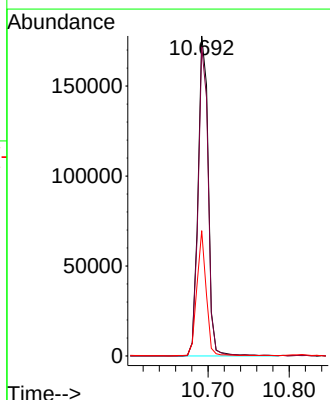
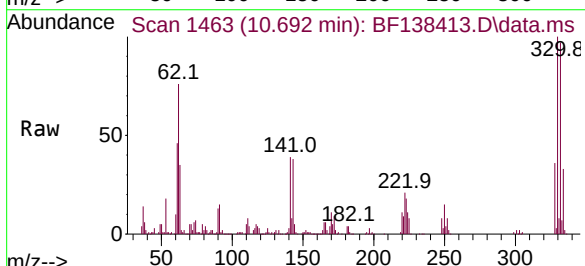
Tgt Ion:330 Resp: 155922

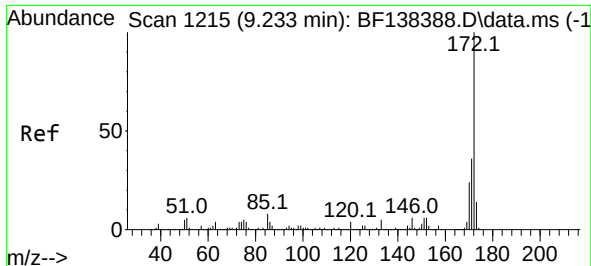
Ion Ratio Lower Upper

330 100

332 95.7 77.0 115.6

141 36.4 28.1 42.1

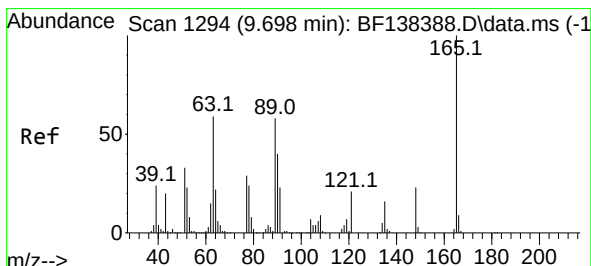
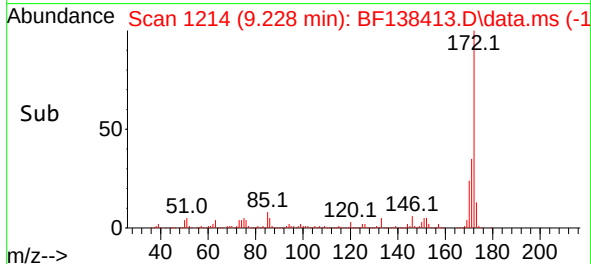
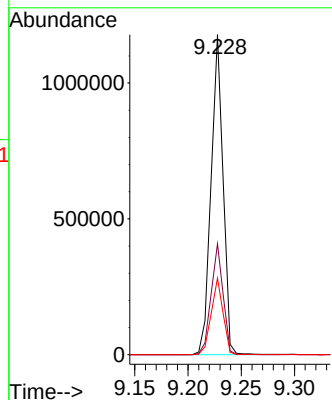
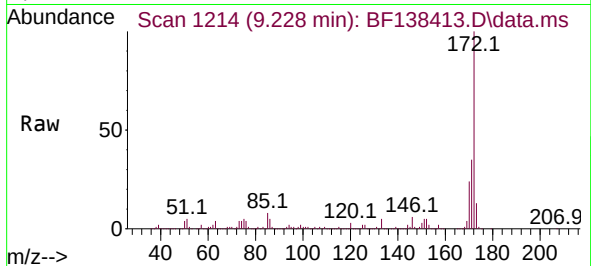




#45
2-Fluorobiphenyl
Concen: 49.178 ng
RT: 9.228 min Scan# 11
Delta R.T. -0.005 min
Lab File: BF138413.D
Acq: 01 Jul 2024 20:04

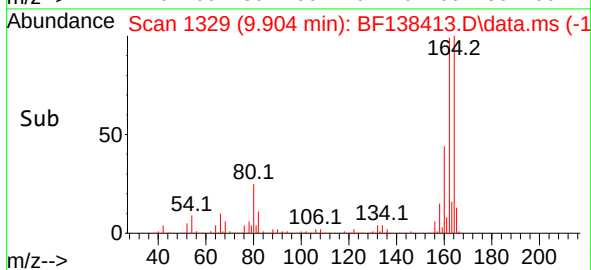
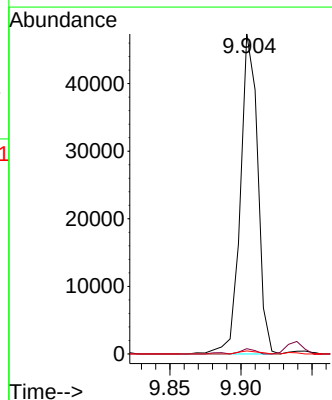
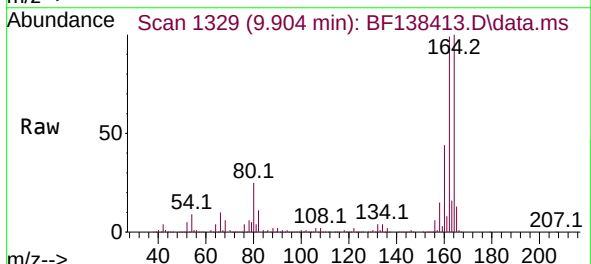
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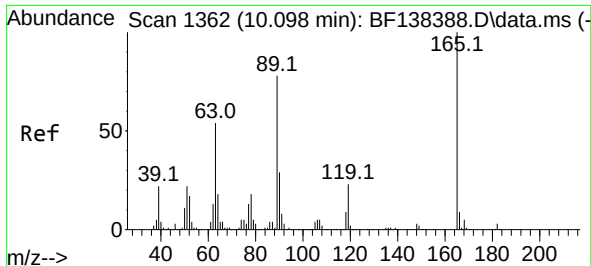
Tgt Ion:172 Resp: 923312
Ion Ratio Lower Upper
172 100
171 34.7 29.0 43.4
170 23.9 19.0 28.6



#51
2,6-Dinitrotoluene
Concen: 9.365 ng
RT: 9.904 min Scan# 1329
Delta R.T. 0.206 min
Lab File: BF138413.D
Acq: 01 Jul 2024 20:04

Tgt Ion:165 Resp: 40279
Ion Ratio Lower Upper
165 100
63 1.7 53.8 80.8#
89 1.0 46.4 69.6#

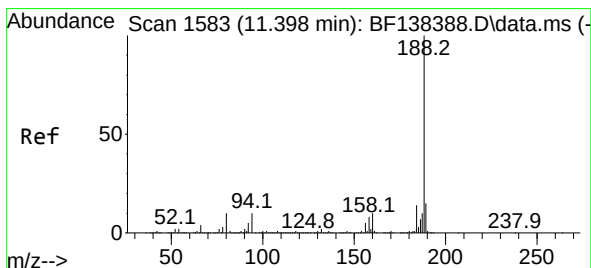
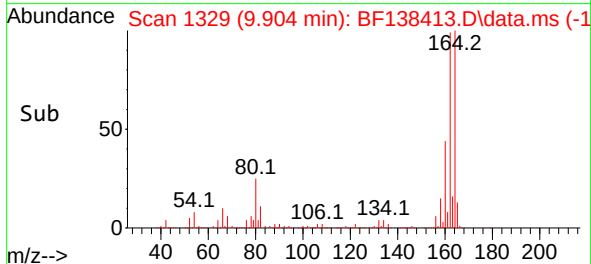
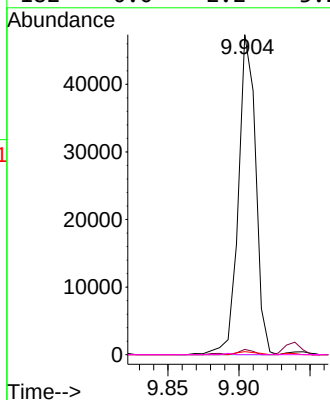
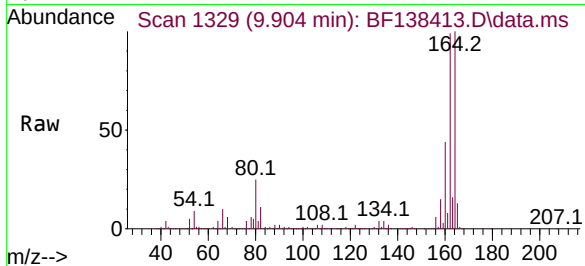




#57
2,4-Dinitrotoluene
Concen: 7.606 ng
RT: 9.904 min Scan# 11
Delta R.T. -0.194 min
Lab File: BF138413.D
Acq: 01 Jul 2024 20:04

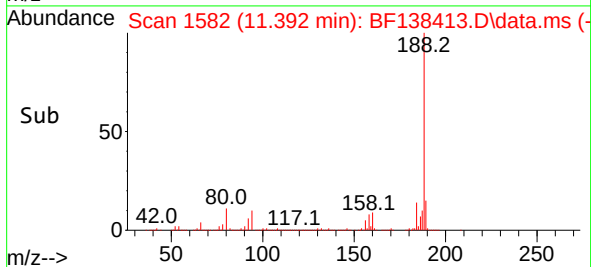
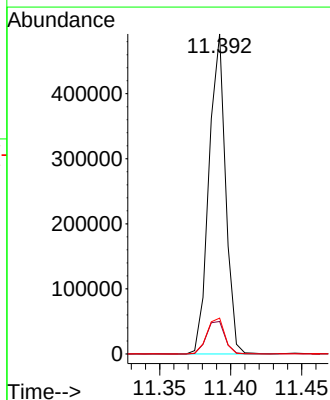
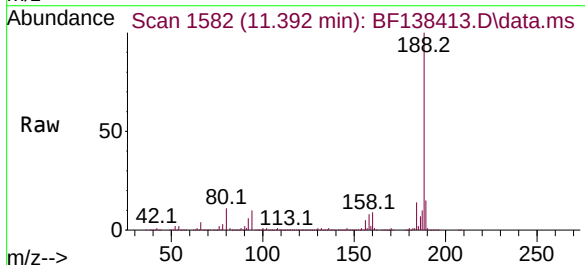
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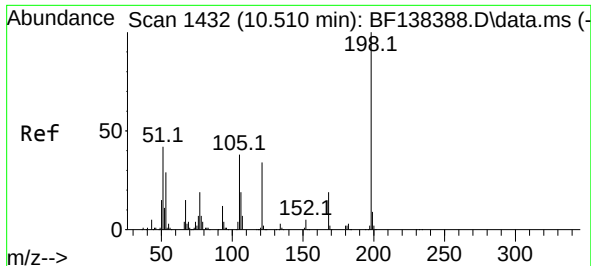
Tgt Ion:165 Resp: 40279
Ion Ratio Lower Upper
165 100
63 1.7 43.4 65.2#
89 1.0 62.6 93.8#
182 0.0 2.2 3.2#



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.392 min Scan# 1582
Delta R.T. -0.006 min
Lab File: BF138413.D
Acq: 01 Jul 2024 20:04

Tgt Ion:188 Resp: 399212
Ion Ratio Lower Upper
188 100
94 10.2 8.0 12.0
80 11.2 8.2 12.4





#65

4,6-Dinitro-2-methylphenol

Concen: 6.026 ng

RT: 10.692 min Scan# 1463

Delta R.T. 0.182 min

Lab File: BF138413.D

Acq: 01 Jul 2024 20:04

Instrument :

BNA_F

ClientSampleId :

1-N-1

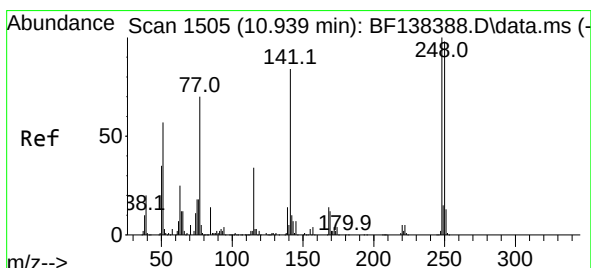
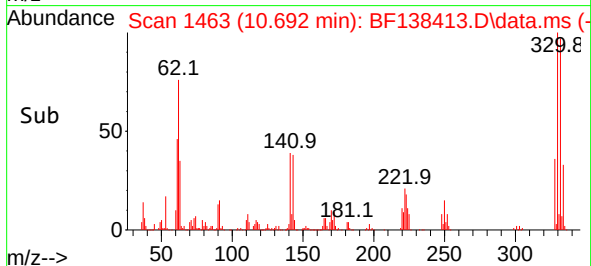
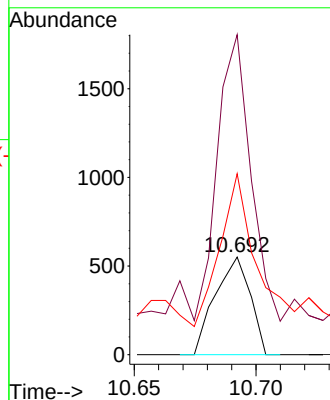
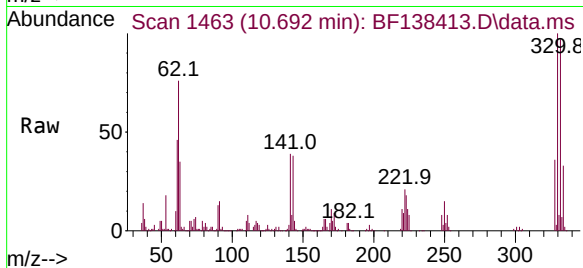
Tgt Ion:198 Resp: 550

Ion Ratio Lower Upper

198 100

51 327.6 27.9 67.9#

105 185.3 18.2 58.2#



#67

4-Bromophenyl-phenylether

Concen: 2.484 ng

RT: 10.692 min Scan# 1463

Delta R.T. -0.247 min

Lab File: BF138413.D

Acq: 01 Jul 2024 20:04

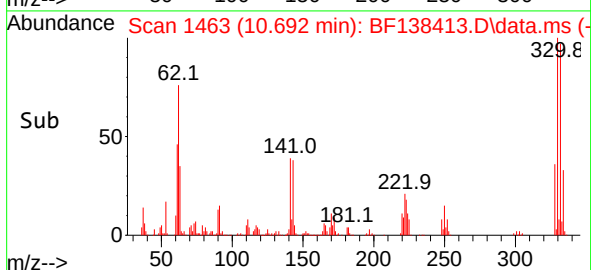
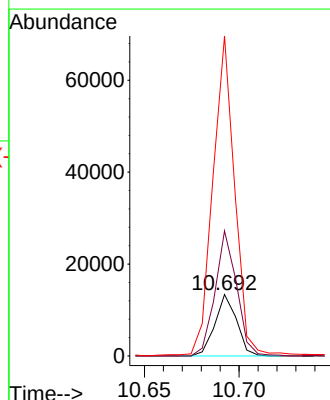
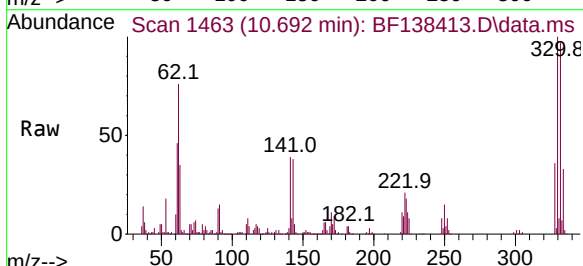
Tgt Ion:248 Resp: 10661

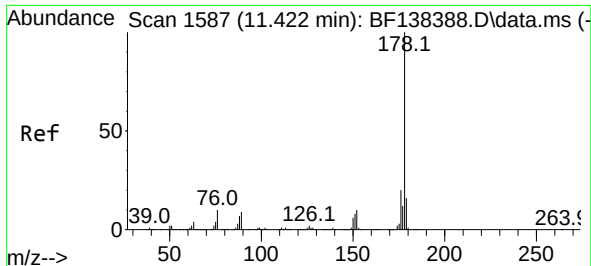
Ion Ratio Lower Upper

248 100

250 203.8 78.2 117.4#

141 521.3 67.6 101.4#

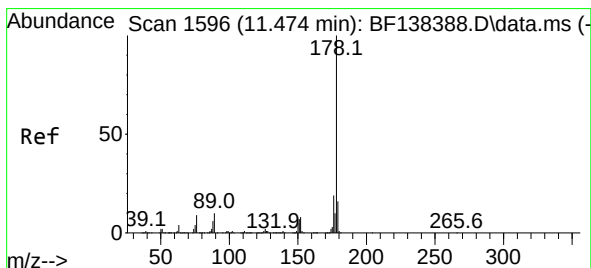
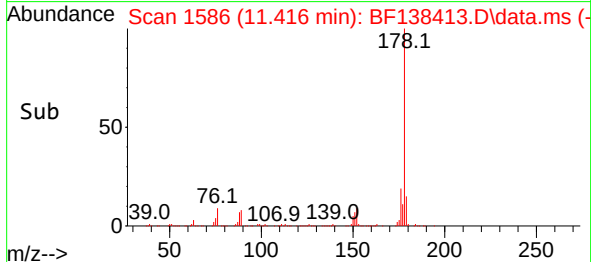
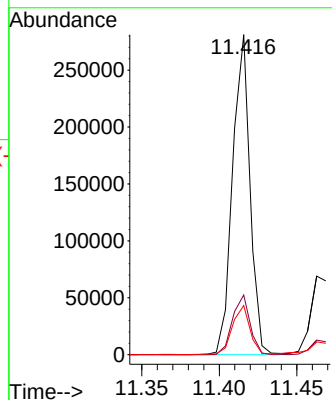
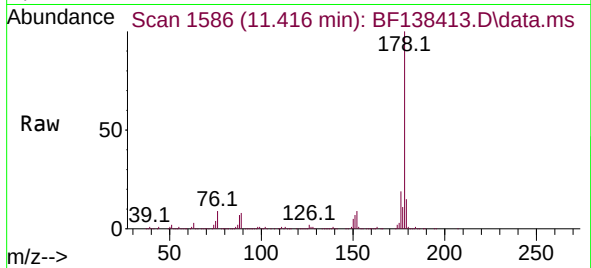




#71
Phenanthrene
Concen: 11.291 ng
RT: 11.416 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF138413.D
Acq: 01 Jul 2024 20:04

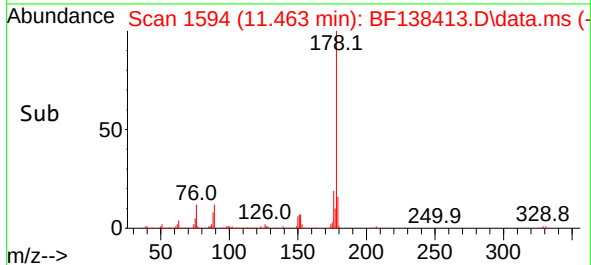
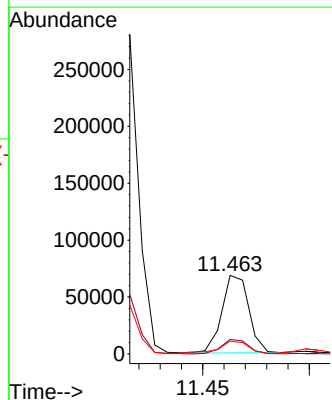
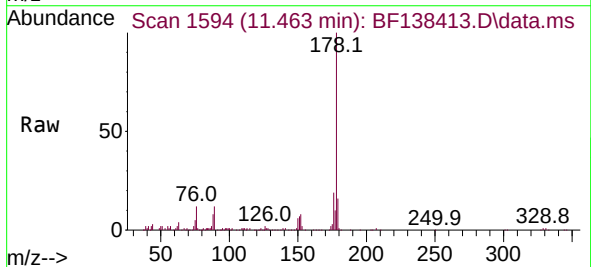
Instrument :
BNA_F
ClientSampleId :
1-N-1

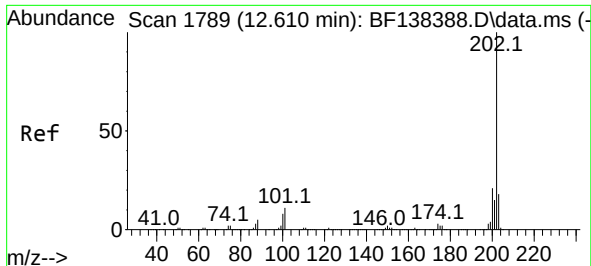
Tgt Ion:178 Resp: 220077
Ion Ratio Lower Upper
178 100
176 18.7 16.1 24.1
179 15.4 12.6 18.8



#72
Anthracene
Concen: 3.091 ng
RT: 11.463 min Scan# 1594
Delta R.T. -0.011 min
Lab File: BF138413.D
Acq: 01 Jul 2024 20:04

Tgt Ion:178 Resp: 60085
Ion Ratio Lower Upper
178 100
176 18.6 15.0 22.6
179 16.4 12.7 19.1

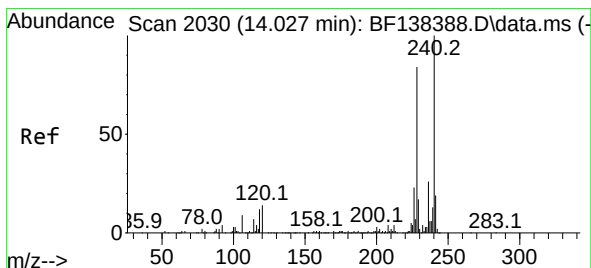
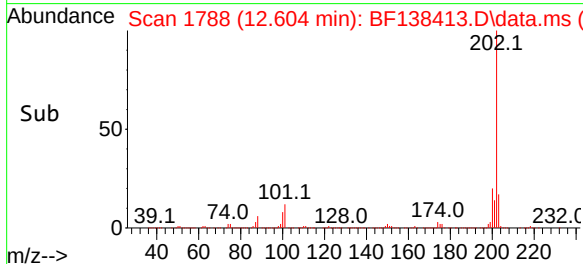
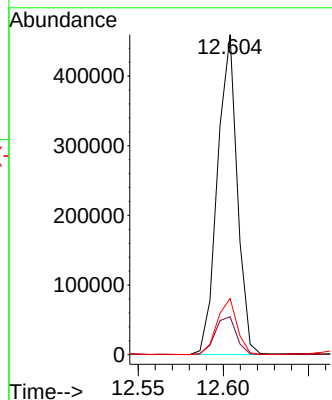
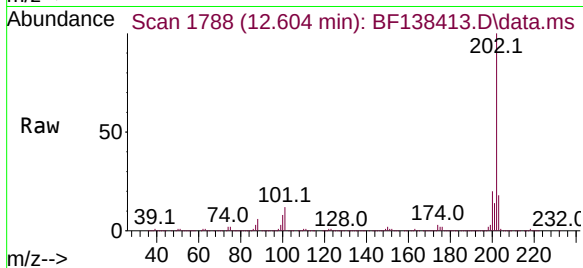




#75
Fluoranthene
Concen: 21.225 ng
RT: 12.604 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF138413.D
Acq: 01 Jul 2024 20:04

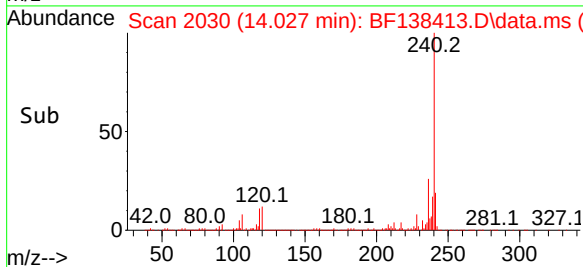
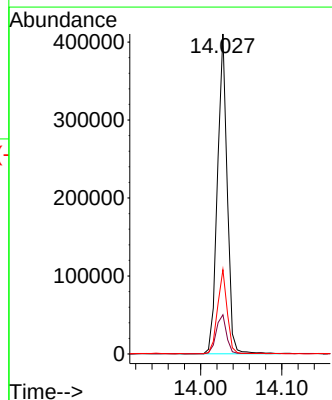
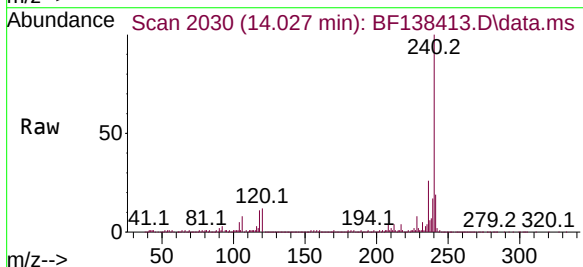
Instrument :
BNA_F
ClientSampleId :
1-N-1

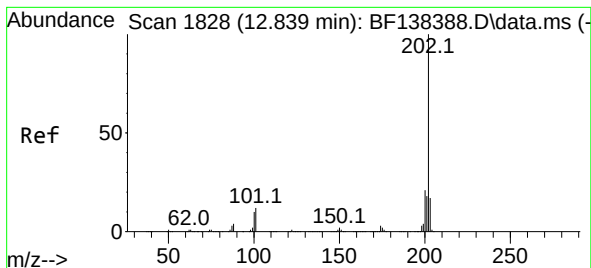
Tgt Ion:202 Resp: 370888
Ion Ratio Lower Upper
202 100
101 11.9 0.0 30.5
203 17.5 0.0 37.6



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.027 min Scan# 2030
Delta R.T. 0.000 min
Lab File: BF138413.D
Acq: 01 Jul 2024 20:04

Tgt Ion:240 Resp: 340766
Ion Ratio Lower Upper
240 100
120 12.2 10.9 16.3
236 26.4 20.6 30.8





#78

Pyrene

Concen: 9.160 ng

RT: 12.833 min Scan# 1827

Delta R.T. -0.006 min

Lab File: BF138413.D

Acq: 01 Jul 2024 20:04

Instrument :

BNA_F

ClientSampleId :

1-N-1

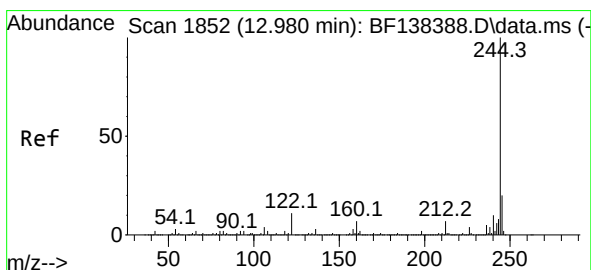
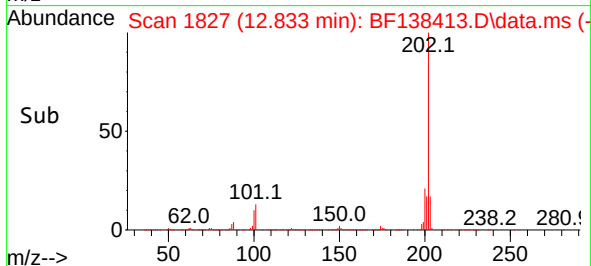
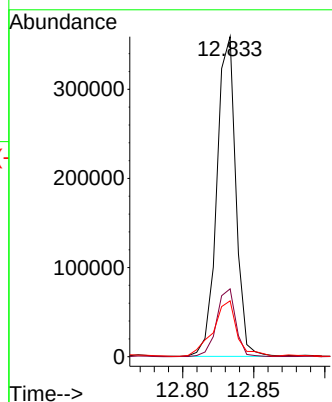
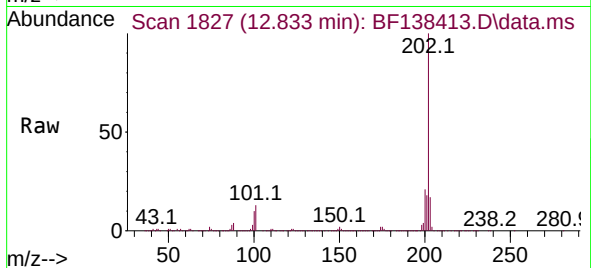
Tgt Ion:202 Resp: 333628

Ion Ratio Lower Upper

202 100

200 21.2 16.9 25.3

203 17.4 13.8 20.8



#79

Terphenyl-d14

Concen: 30.761 ng

RT: 12.974 min Scan# 1851

Delta R.T. -0.006 min

Lab File: BF138413.D

Acq: 01 Jul 2024 20:04

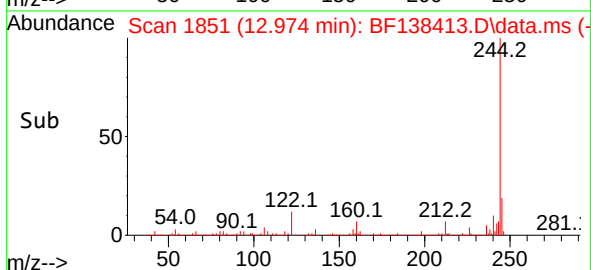
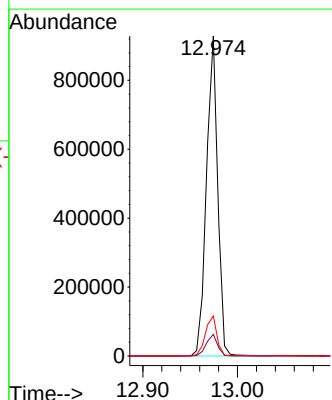
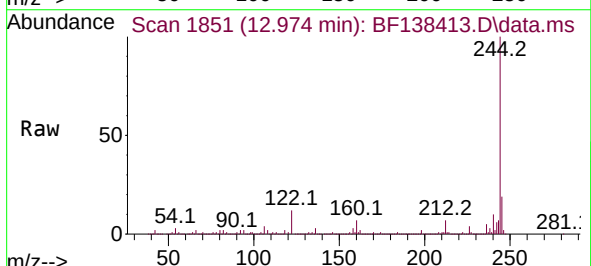
Tgt Ion:244 Resp: 764900

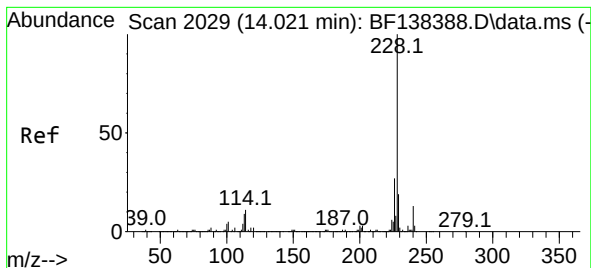
Ion Ratio Lower Upper

244 100

212 6.8 5.6 8.4

122 12.5 9.0 13.4





#81

Benzo(a)anthracene

Concen: 8.524 ng

RT: 14.016 min Scan# 2028

Delta R.T. -0.006 min

Lab File: BF138413.D

Acq: 01 Jul 2024 20:04

Instrument :

BNA_F

ClientSampleId :

1-N-1

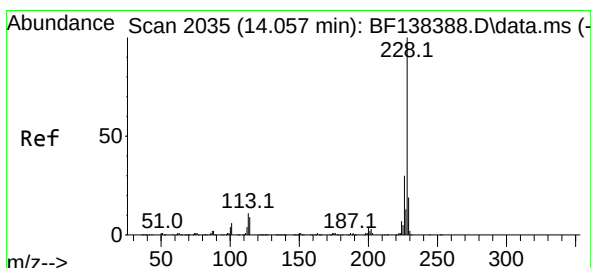
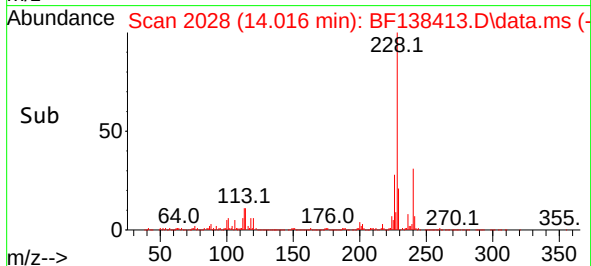
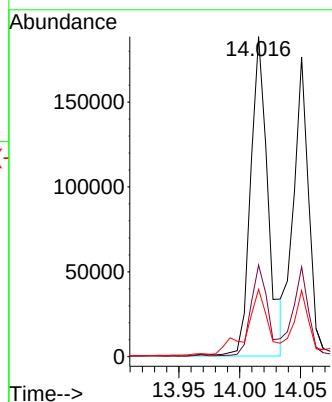
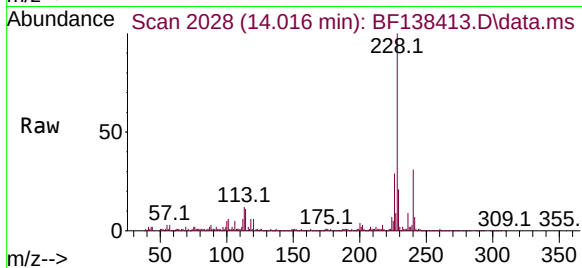
Tgt Ion:228 Resp: 186968

Ion Ratio Lower Upper

228 100

226 28.7 21.7 32.5

229 21.0 15.5 23.3



#83

Chrysene

Concen: 7.232 ng

RT: 14.051 min Scan# 2034

Delta R.T. -0.006 min

Lab File: BF138413.D

Acq: 01 Jul 2024 20:04

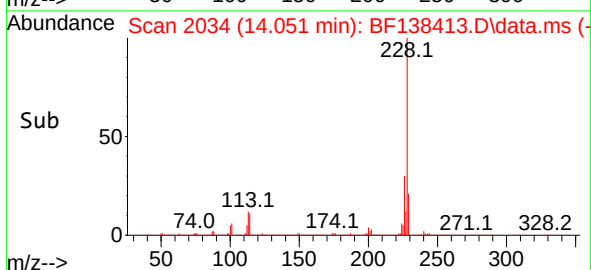
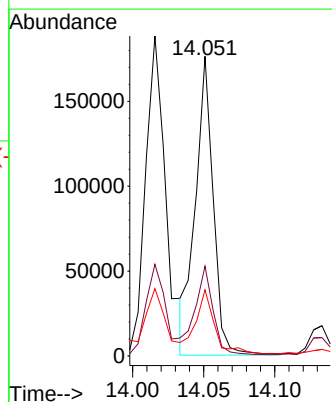
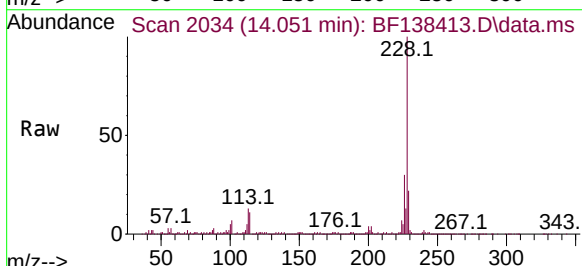
Tgt Ion:228 Resp: 154340

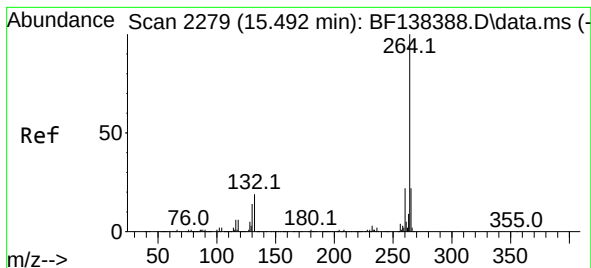
Ion Ratio Lower Upper

228 100

226 29.9 23.8 35.6

229 22.0 15.2 22.8





#86

Perylene-d12

Concen: 20.000 ng

RT: 15.492 min Scan# 21

Delta R.T. 0.000 min

Lab File: BF138413.D

Acq: 01 Jul 2024 20:04

Instrument :

BNA_F

ClientSampleId :

1-N-1

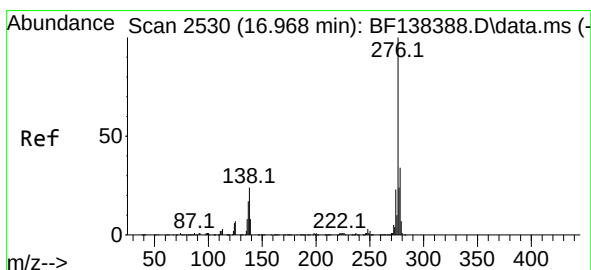
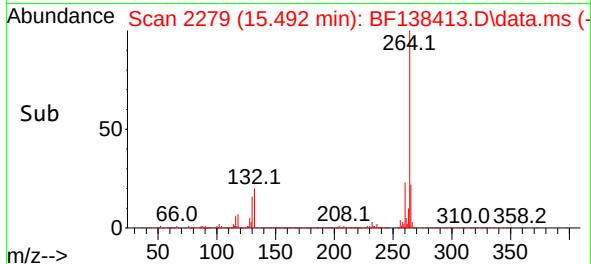
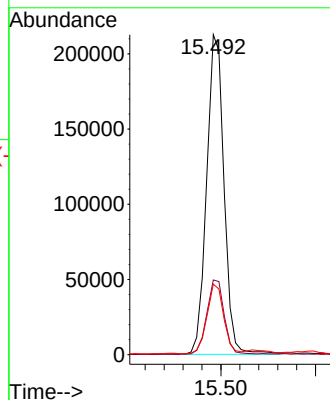
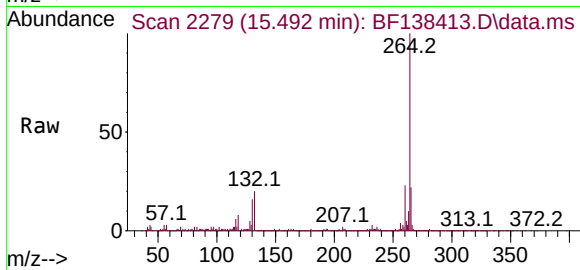
Tgt Ion:264 Resp: 270439

Ion Ratio Lower Upper

264 100

260 23.4 17.8 26.6

265 22.0 17.5 26.3



#87

Indeno(1,2,3-cd)pyrene

Concen: 3.547 ng

RT: 16.957 min Scan# 2528

Delta R.T. -0.012 min

Lab File: BF138413.D

Acq: 01 Jul 2024 20:04

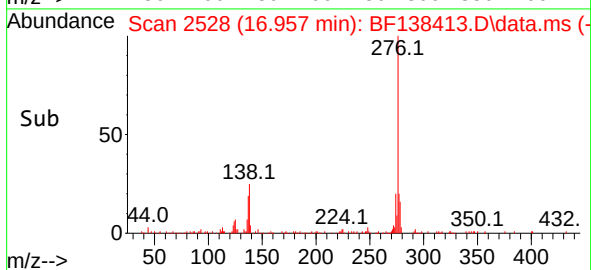
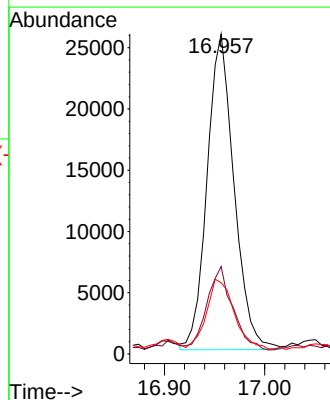
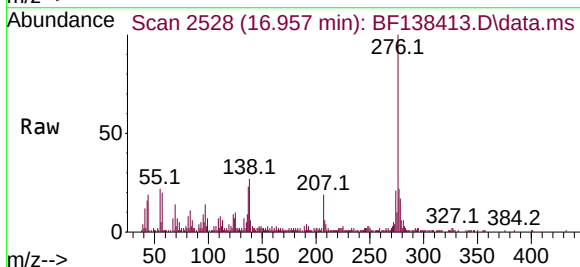
Tgt Ion:276 Resp: 48197

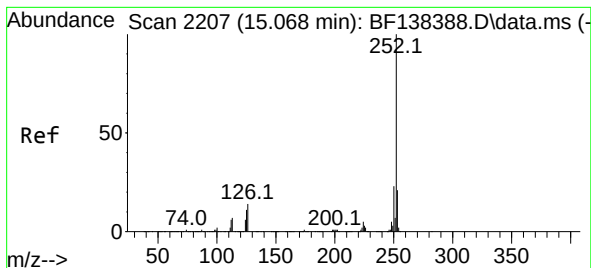
Ion Ratio Lower Upper

276 100

138 25.4 22.1 33.1

277 22.4 20.4 30.6





#88

Benzo(b)fluoranthene

Concen: 13.406 ng

RT: 15.063 min Scan# 2206

Delta R.T. -0.006 min

Lab File: BF138413.D

Acq: 01 Jul 2024 20:04

Instrument :

BNA_F

ClientSampleId :

1-N-1

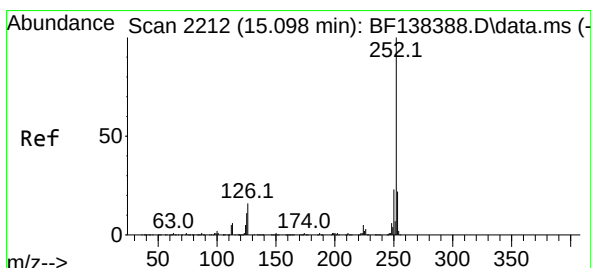
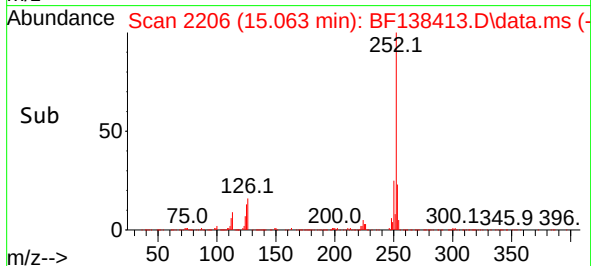
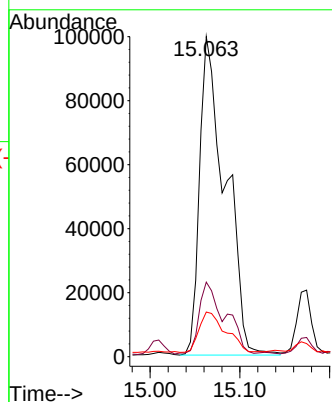
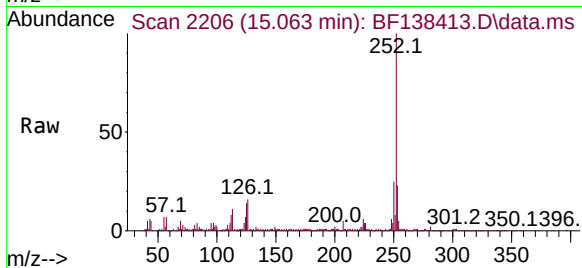
Tgt Ion:252 Resp: 198917

Ion Ratio Lower Upper

252 100

253 23.3 17.0 25.4

125 13.9 8.6 12.8#



#89

Benzo(k)fluoranthene

Concen: 14.555 ng

RT: 15.063 min Scan# 2206

Delta R.T. -0.035 min

Lab File: BF138413.D

Acq: 01 Jul 2024 20:04

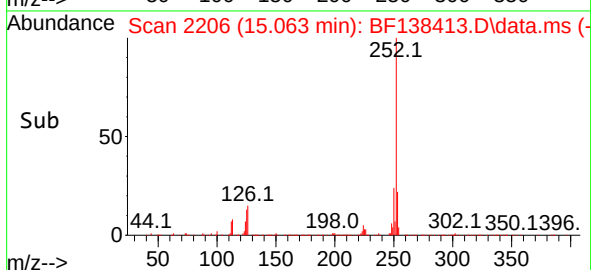
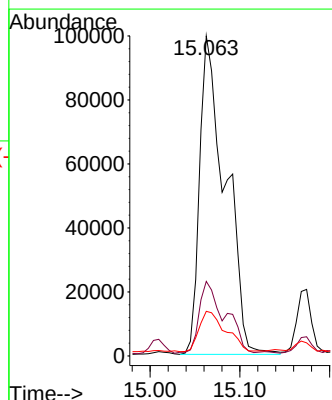
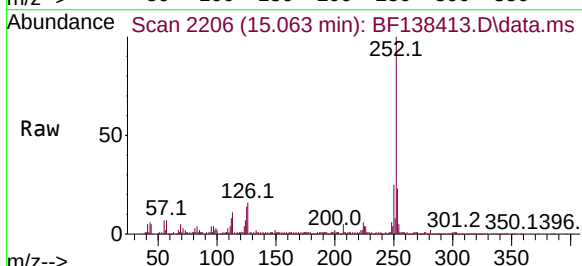
Tgt Ion:252 Resp: 198917

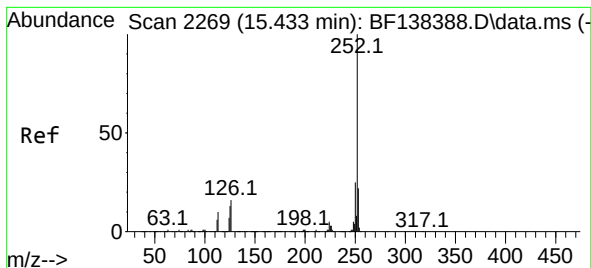
Ion Ratio Lower Upper

252 100

253 23.3 17.4 26.2

125 13.9 8.7 13.1#





#90

Benzo(a)pyrene

Concen: 7.377 ng

RT: 15.427 min Scan# 21

Delta R.T. -0.006 min

Lab File: BF138413.D

Acq: 01 Jul 2024 20:04

Instrument :

BNA_F

ClientSampleId :

1-N-1

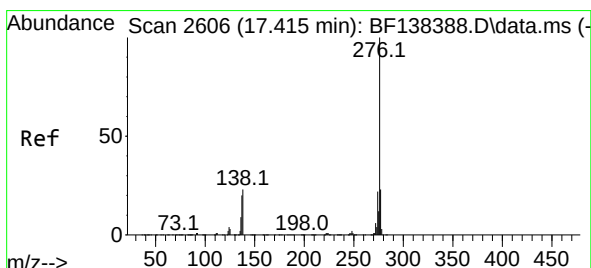
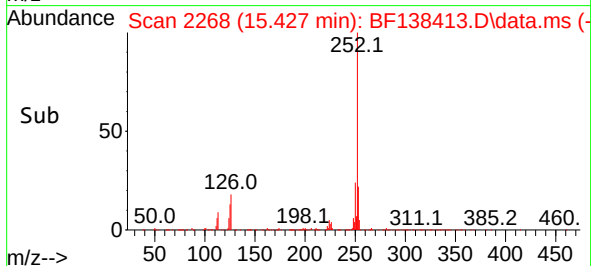
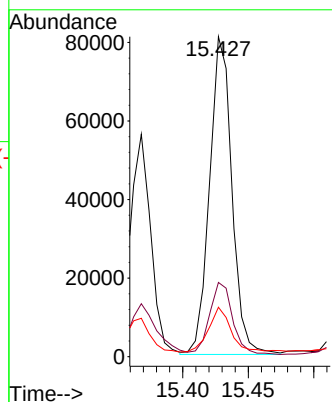
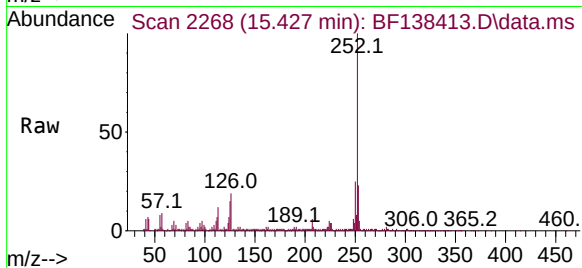
Tgt Ion:252 Resp: 95944

Ion Ratio Lower Upper

252 100

253 23.2 17.6 26.4

125 15.4 10.2 15.2#



#92

Benzo(g,h,i)perylene

Concen: 4.100 ng

RT: 17.398 min Scan# 2603

Delta R.T. -0.018 min

Lab File: BF138413.D

Acq: 01 Jul 2024 20:04

Tgt Ion:276 Resp: 43997

Ion Ratio Lower Upper

276 100

277 28.1 18.3 27.5#

138 28.9 18.3 27.5#

