

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF071423\
 Data File : BF134308.D
 Acq On : 15 Jul 2023 01:30
 Operator : CG\JU
 Sample : 03597-06
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 RB-44-(2-5)

Quant Time: Jul 15 02:59:46 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF062623.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Jul 14 22:51:27 2023
 Response via : Initial Calibration

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

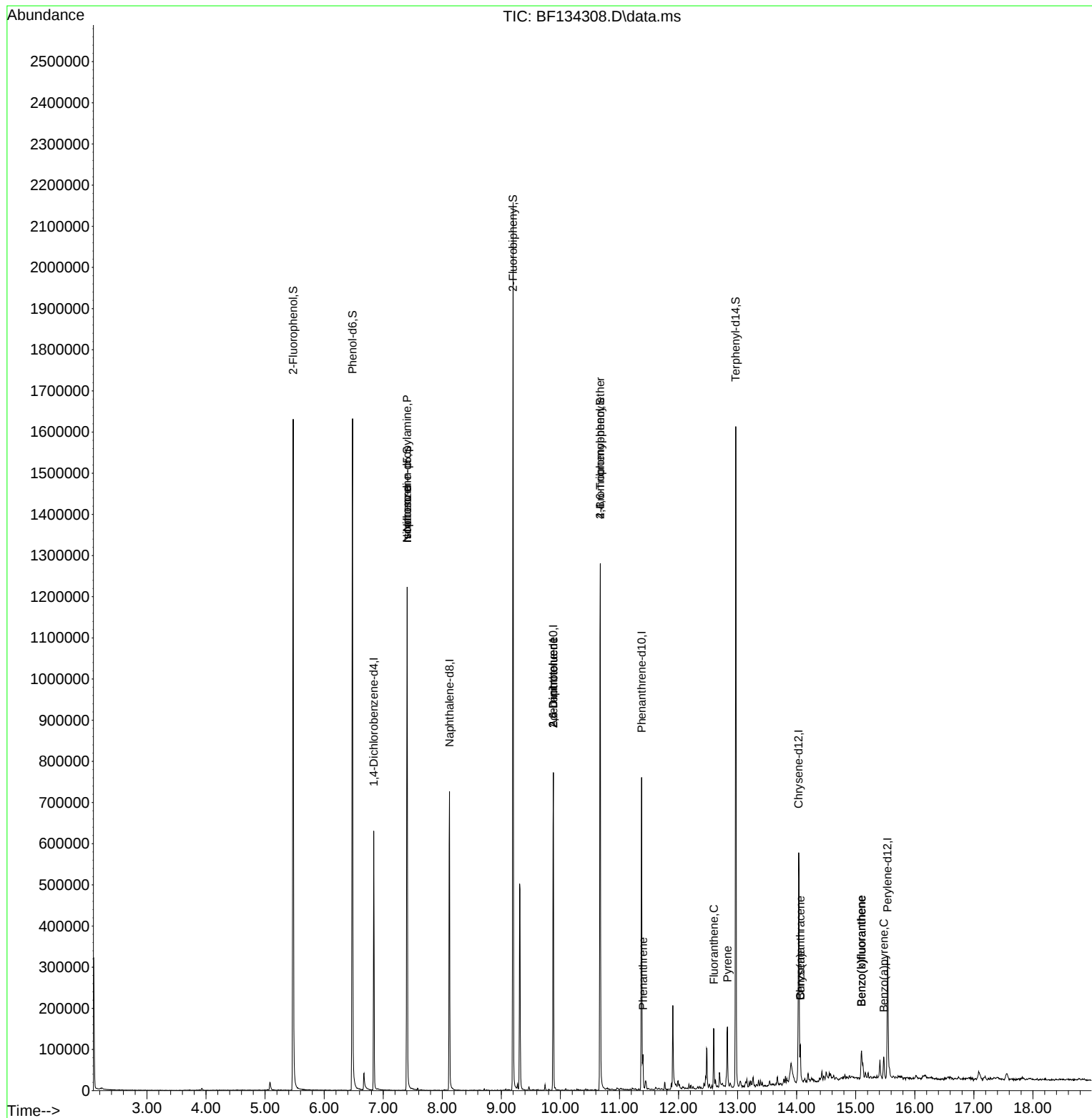
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.840	152	81921	20.000	ng	0.00
21) Naphthalene-d8	8.122	136	309350	20.000	ng	0.00
39) Acenaphthene-d10	9.881	164	147932	20.000	ng	0.00
64) Phenanthrene-d10	11.375	188	262929	20.000	ng	0.00
76) Chrysene-d12	14.033	240	180519	20.000	ng	0.00
86) Perylene-d12	15.539	264	142410	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.475	112	425527	86.890	ng	0.00
7) Phenol-d6	6.481	99	495192	82.220	ng	0.00
23) Nitrobenzene-d5	7.404	82	344447	60.021	ng	0.00
42) 2,4,6-Tribromophenol	10.675	330	158137	85.260	ng	0.00
45) 2-Fluorobiphenyl	9.198	172	593418	58.322	ng	0.00
79) Terphenyl-d14	12.969	244	531290	47.367	ng	0.00
Target Compounds						Qvalue
9) Benzaldehyde	6.481	77	947	Below Cal	#	1
19) n-Nitroso-di-n-propyla...	7.404	70	48598	12.724	ng	# 75
25) Isophorone	7.404	82	344444	33.025	ng	# 64
51) 2,6-Dinitrotoluene	9.881	165	18566	8.027	ng	# 23
57) 2,4-Dinitrotoluene	9.881	165	18566	6.078	ng	# 22
67) 4-Bromophenyl-phenylether	10.675	248	9752	3.490	ng	# 1
71) Phenanthrene	11.398	178	27311	2.063	ng	99
75) Fluoranthene	12.598	202	62936	4.398	ng	95
78) Pyrene	12.827	202	62370	3.713	ng	98
81) Benzo(a)anthracene	14.063	228	36026	2.878	ng	98
83) Chrysene	14.063	228	36026	2.971	ng	96
88) Benzo(b)fluoranthene	15.098	252	50042	5.976	ng	98
89) Benzo(k)fluoranthene	15.098	252	50042	5.869	ng	97
90) Benzo(a)pyrene	15.474	252	26703	3.298	ng	99

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

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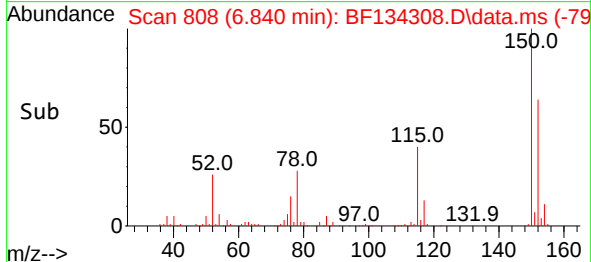
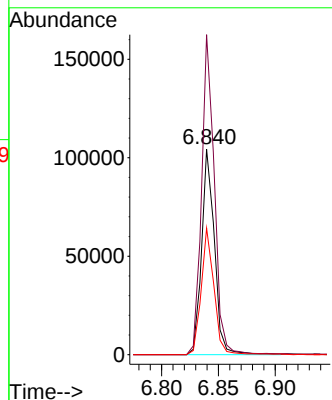
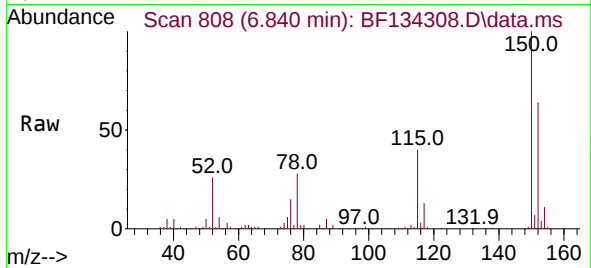




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.840 min Scan# 810
Delta R.T. -0.005 min
Lab File: BF134308.D
Acq: 15 Jul 2023 01:30

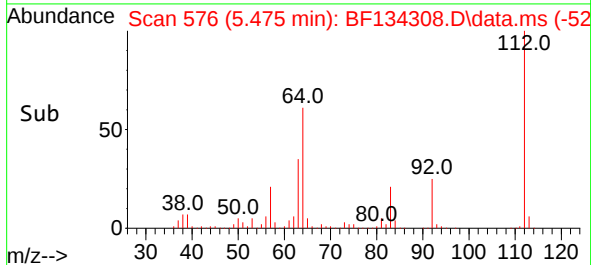
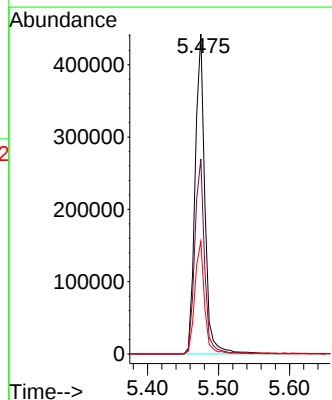
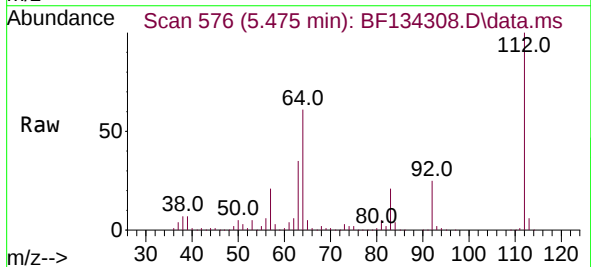
Instrument :
BNA_F
ClientSampleId :
RB-44-(2-5)

Tgt Ion:152 Resp: 81921
Ion Ratio Lower Upper
152 100
150 155.8 124.5 186.7
115 61.6 50.2 75.2



#5
2-Fluorophenol
Concen: 86.890 ng
RT: 5.475 min Scan# 576
Delta R.T. 0.006 min
Lab File: BF134308.D
Acq: 15 Jul 2023 01:30

Tgt Ion:112 Resp: 425527
Ion Ratio Lower Upper
112 100
64 60.9 52.1 78.1
63 35.2 28.6 42.8





#7

Phenol-d6

Concen: 82.220 ng

RT: 6.481 min Scan# 74

Delta R.T. -0.006 min

Lab File: BF134308.D

Acq: 15 Jul 2023 01:30

Instrument :

BNA_F

ClientSampleId :

RB-44-(2-5)

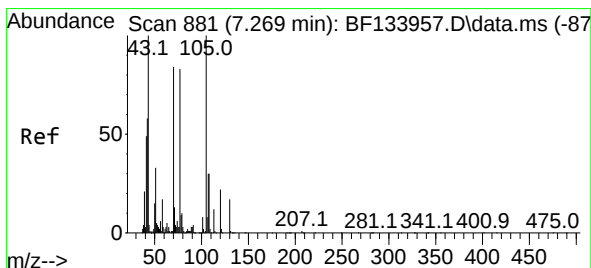
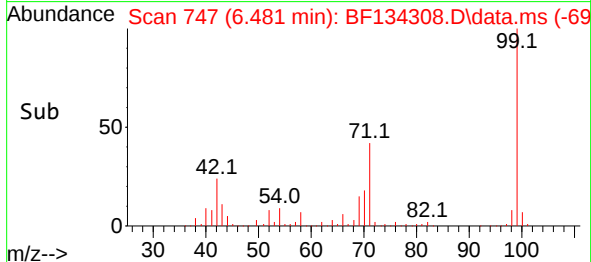
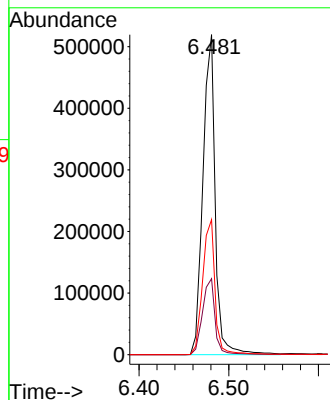
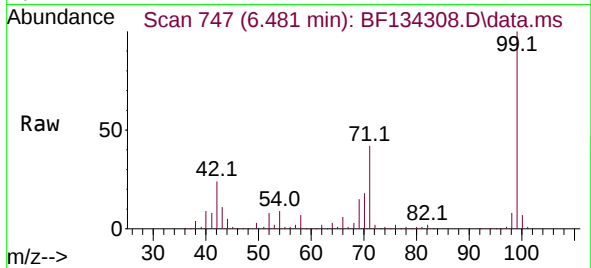
Tgt Ion: 99 Resp: 495192

Ion Ratio Lower Upper

99 100

42 23.8 19.8 29.6

71 42.2 31.9 47.9



#19

n-Nitroso-di-n-propylamine

Concen: 12.724 ng

RT: 7.404 min Scan# 904

Delta R.T. 0.147 min

Lab File: BF134308.D

Acq: 15 Jul 2023 01:30

Tgt Ion: 70 Resp: 48598

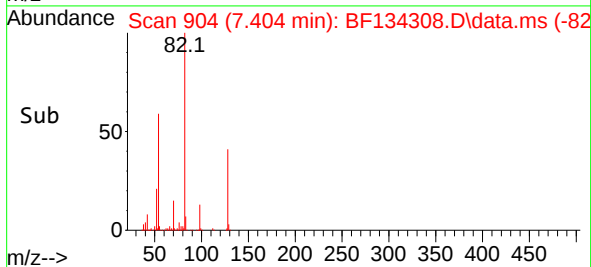
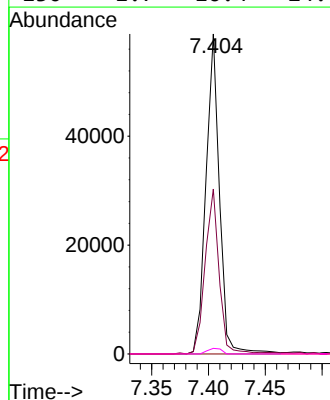
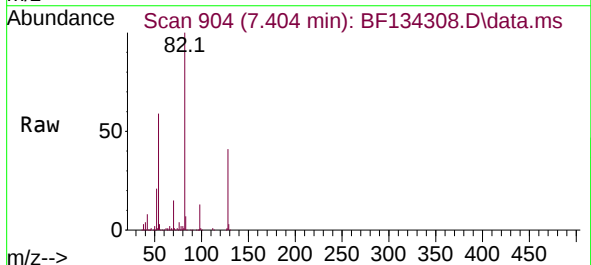
Ion Ratio Lower Upper

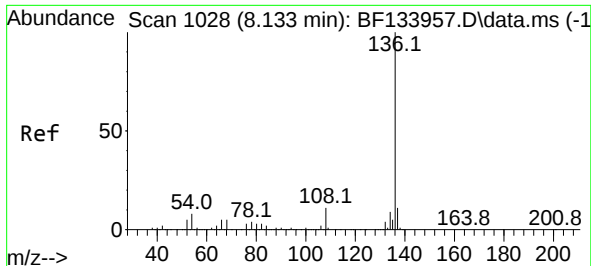
70 100

42 51.6 54.7 82.1#

101 0.0 7.7 11.5#

130 1.7 16.4 24.6#



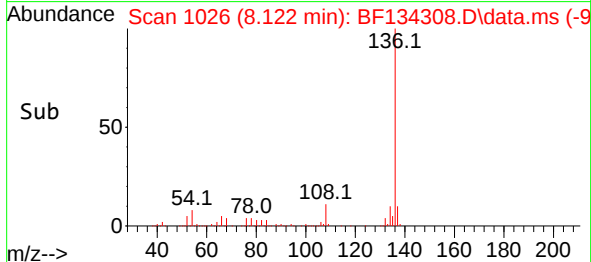
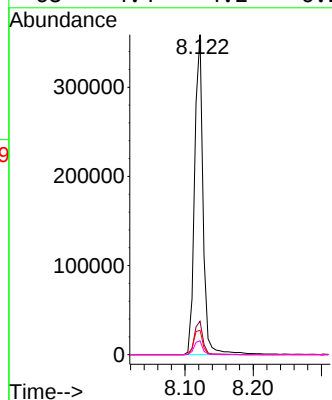
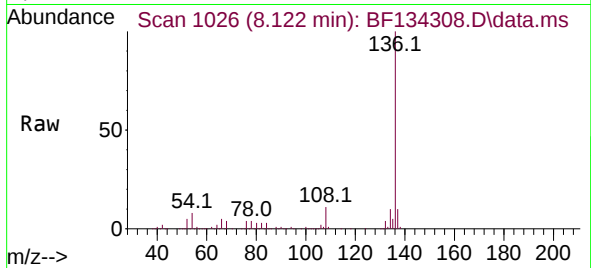


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.122 min Scan# 1026
Delta R.T. 0.000 min
Lab File: BF134308.D
Acq: 15 Jul 2023 01:30

Instrument :
BNA_F
ClientSampleId :
RB-44-(2-5)

Tgt Ion:136 Resp: 309350

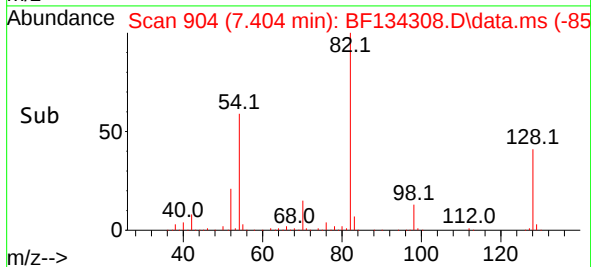
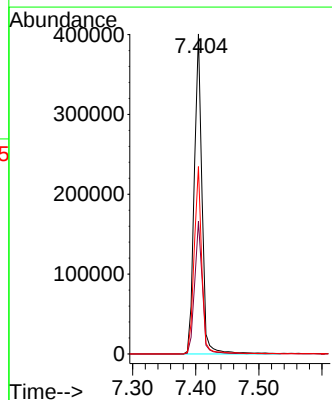
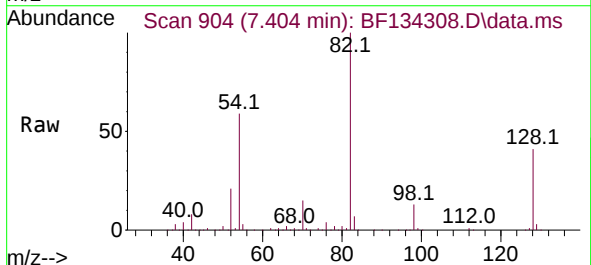
Ion	Ratio	Lower	Upper
136	100		
137	10.5	8.6	12.8
54	7.6	6.5	9.7
68	4.4	4.2	6.2



#23
Nitrobenzene-d5
Concen: 60.021 ng
RT: 7.404 min Scan# 904
Delta R.T. -0.006 min
Lab File: BF134308.D
Acq: 15 Jul 2023 01:30

Tgt Ion: 82 Resp: 344447

Ion	Ratio	Lower	Upper
82	100		
128	41.4	32.5	48.7
54	58.5	48.2	72.2

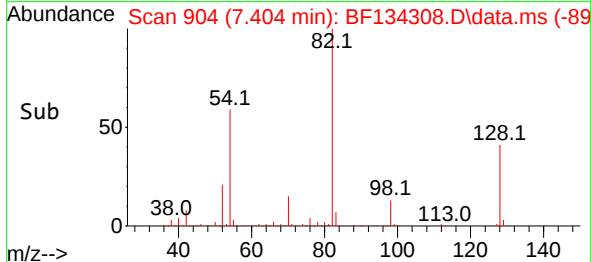
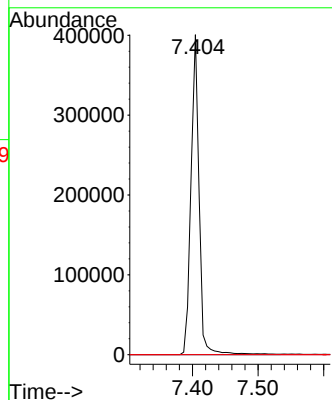
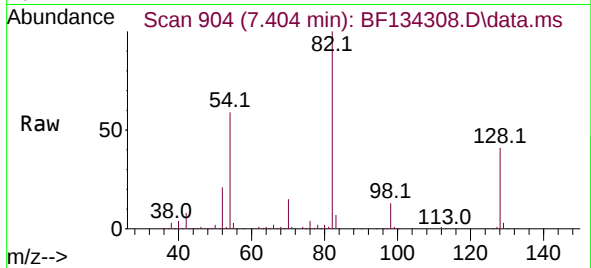




#25
Isophorone
Concen: 33.025 ng
RT: 7.404 min Scan# 90
Delta R.T. -0.259 min
Lab File: BF134308.D
Acq: 15 Jul 2023 01:30

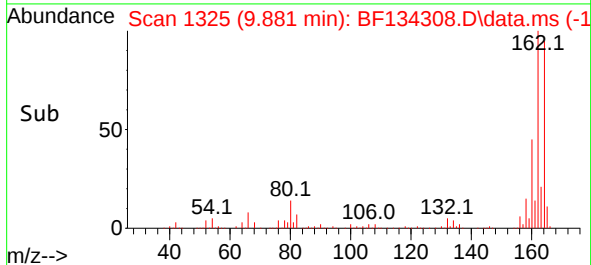
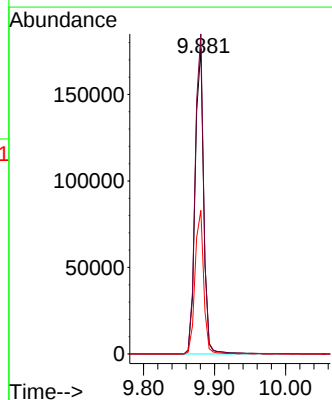
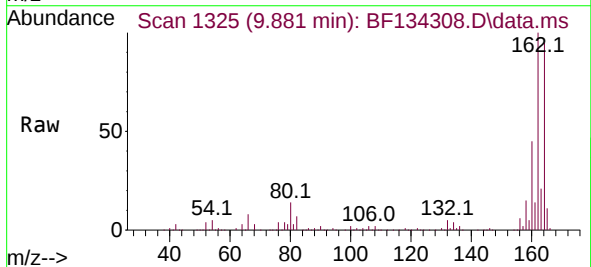
Instrument :
BNA_F
ClientSampleId :
RB-44-(2-5)

Tgt Ion: 82 Resp: 344444
Ion Ratio Lower Upper
82 100
95 0.0 6.1 9.1#
138 0.0 15.2 22.8#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.881 min Scan# 1325
Delta R.T. 0.000 min
Lab File: BF134308.D
Acq: 15 Jul 2023 01:30

Tgt Ion:164 Resp: 147932
Ion Ratio Lower Upper
164 100
162 104.7 80.0 120.0
160 47.0 35.9 53.9





#42

2,4,6-Tribromophenol

Concen: 85.260 ng

RT: 10.675 min Scan# 1460

Delta R.T. -0.006 min

Lab File: BF134308.D

Acq: 15 Jul 2023 01:30

Instrument :

BNA_F

ClientSampleId :

RB-44-(2-5)

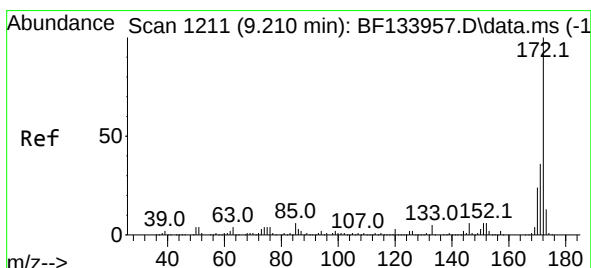
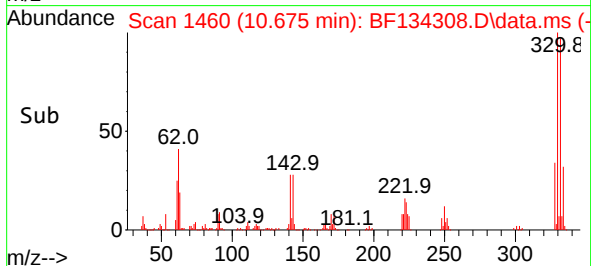
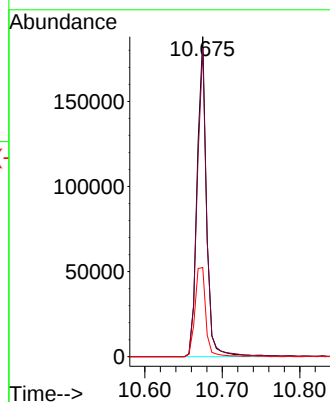
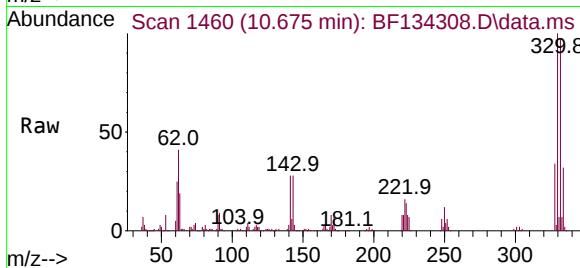
Tgt Ion:330 Resp: 158137

Ion Ratio Lower Upper

330 100

332 96.9 77.0 115.6

141 32.2 26.3 39.5



#45

2-Fluorobiphenyl

Concen: 58.322 ng

RT: 9.198 min Scan# 1209

Delta R.T. -0.006 min

Lab File: BF134308.D

Acq: 15 Jul 2023 01:30

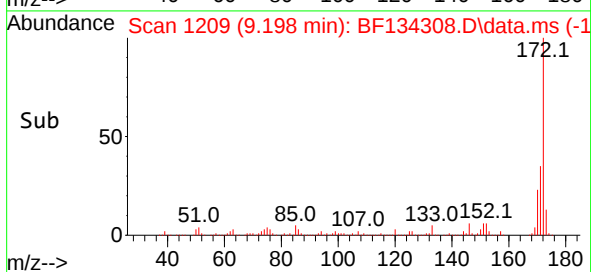
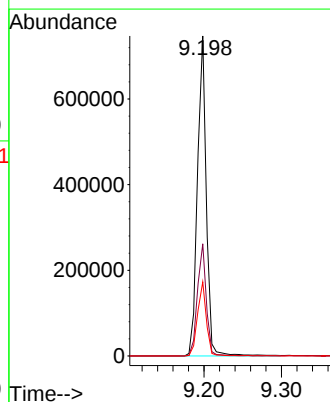
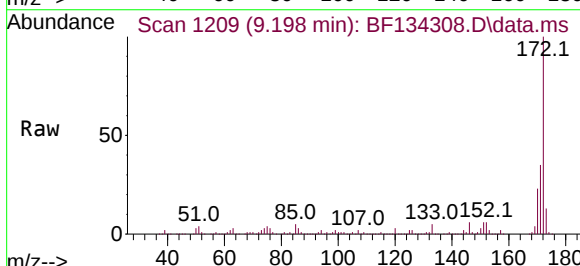
Tgt Ion:172 Resp: 593418

Ion Ratio Lower Upper

172 100

171 35.0 28.6 43.0

170 23.2 19.4 29.0





#51

2,6-Dinitrotoluene

Concen: 8.027 ng

RT: 9.881 min Scan# 11

Delta R.T. 0.206 min

Lab File: BF134308.D

Acq: 15 Jul 2023 01:30

Instrument :

BNA_F

ClientSampleId :

RB-44-(2-5)

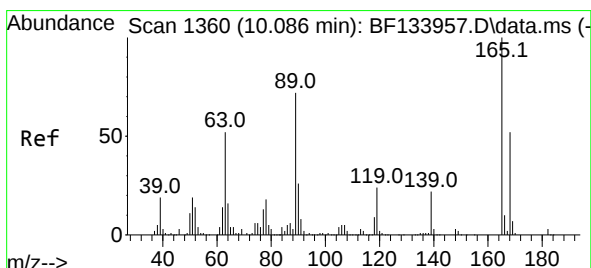
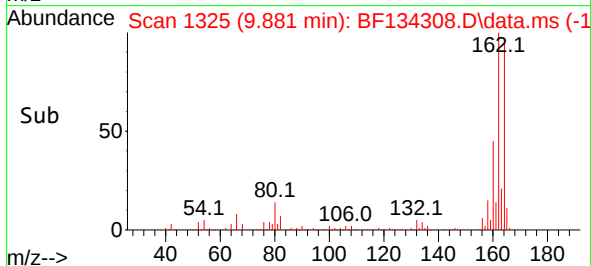
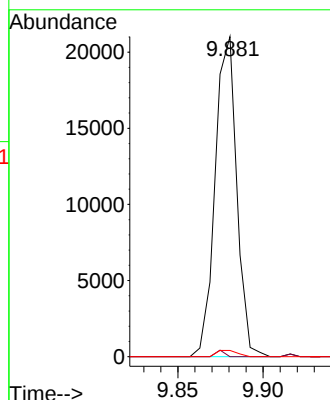
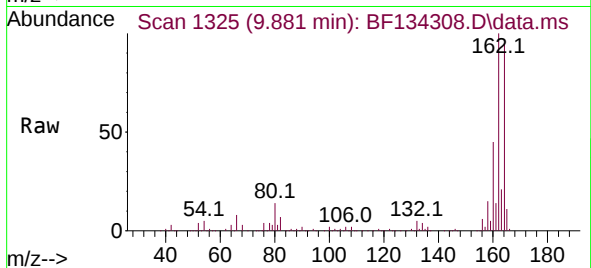
Tgt Ion:165 Resp: 18566

Ion Ratio Lower Upper

165 100

63 0.0 48.5 72.7#

89 2.0 45.5 68.3#



#57

2,4-Dinitrotoluene

Concen: 6.078 ng

RT: 9.881 min Scan# 1325

Delta R.T. -0.200 min

Lab File: BF134308.D

Acq: 15 Jul 2023 01:30

Tgt Ion:165 Resp: 18566

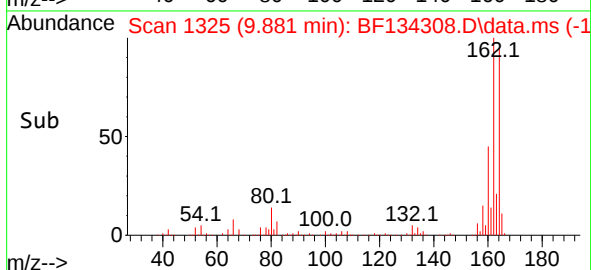
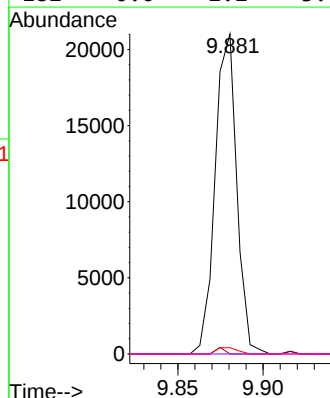
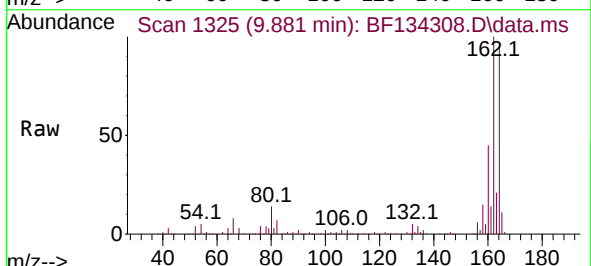
Ion Ratio Lower Upper

165 100

63 0.0 42.2 63.2#

89 2.0 57.4 86.2#

182 0.0 2.2 3.4#





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.375 min Scan# 1

Delta R.T. 0.000 min

Lab File: BF134308.D

Acq: 15 Jul 2023 01:30

Instrument :

BNA_F

ClientSampleId :

RB-44-(2-5)

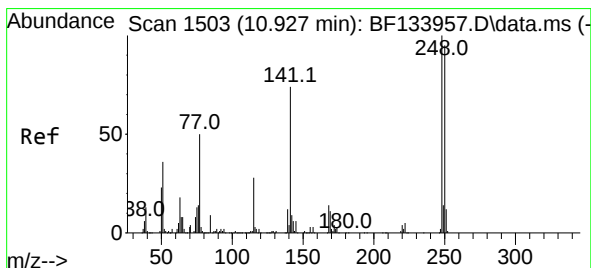
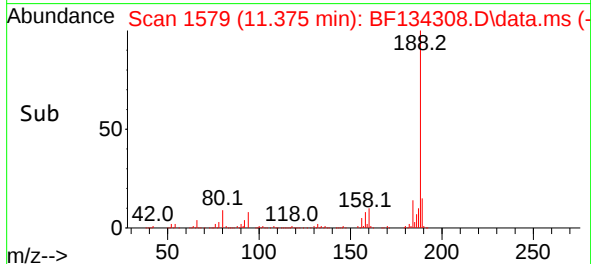
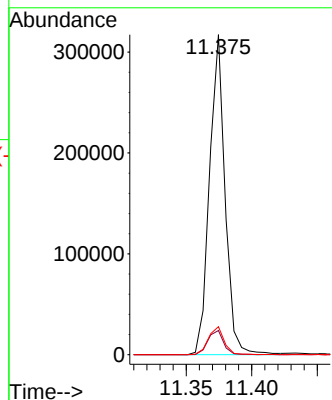
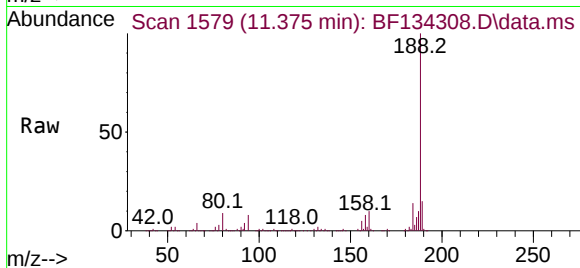
Tgt Ion:188 Resp: 262929

Ion Ratio Lower Upper

188 100

94 7.6 6.4 9.6

80 8.8 7.3 10.9



#67

4-Bromophenyl-phenylether

Concen: 3.490 ng

RT: 10.675 min Scan# 1460

Delta R.T. -0.241 min

Lab File: BF134308.D

Acq: 15 Jul 2023 01:30

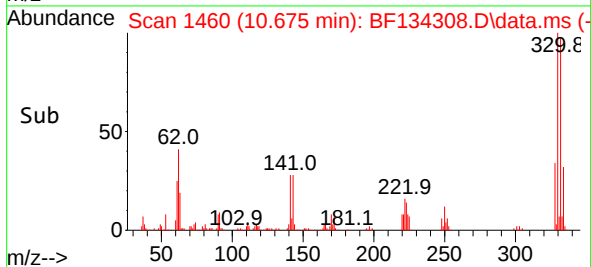
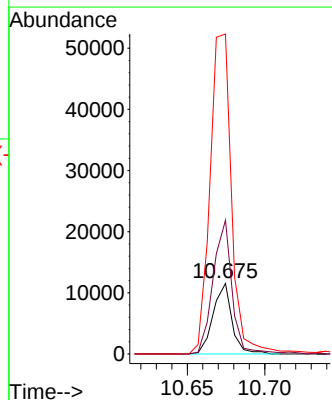
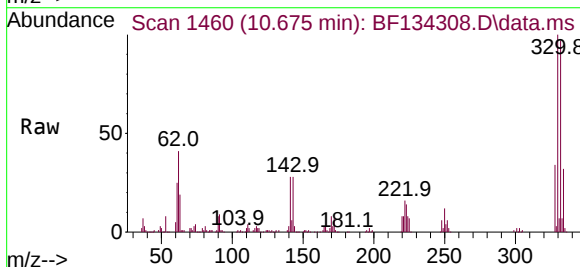
Tgt Ion:248 Resp: 9752

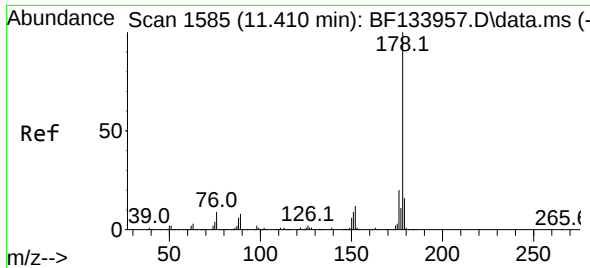
Ion Ratio Lower Upper

248 100

250 189.5 76.2 114.4#

141 453.3 59.0 88.4#

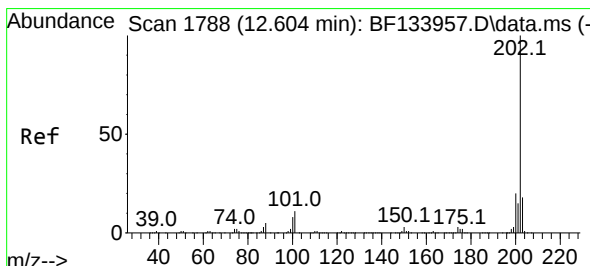
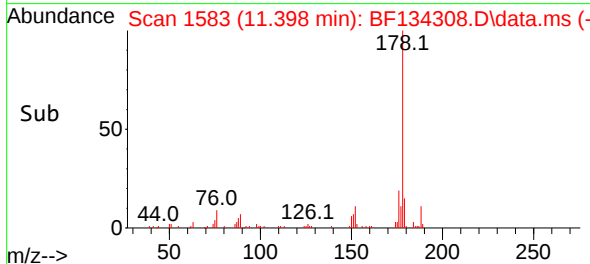
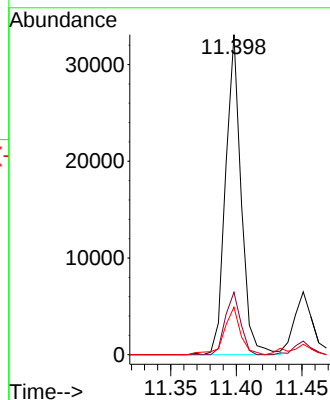
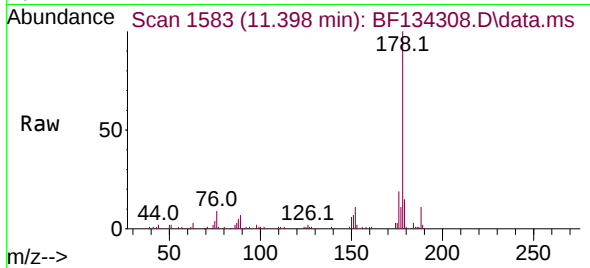




#71
Phenanthrene
Concen: 2.063 ng
RT: 11.398 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF134308.D
Acq: 15 Jul 2023 01:30

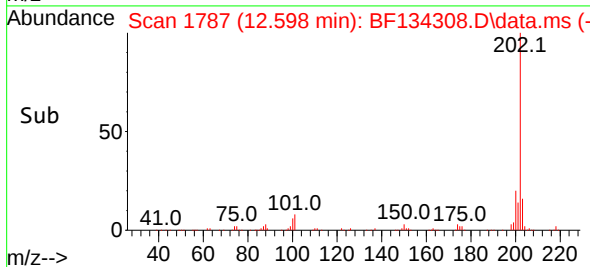
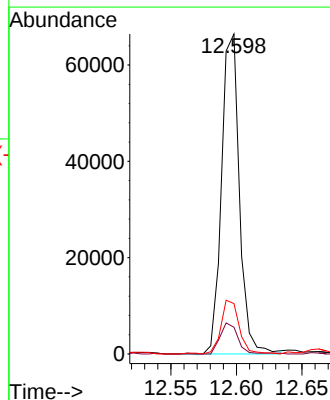
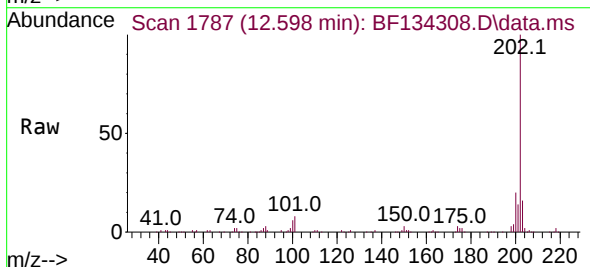
Instrument :
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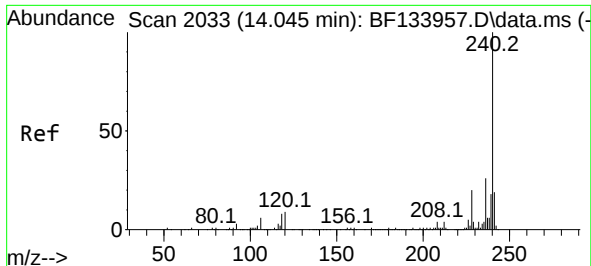
Tgt Ion:178 Resp: 27311
Ion Ratio Lower Upper
178 100
176 19.5 16.0 24.0
179 14.9 12.4 18.6



#75
Fluoranthene
Concen: 4.398 ng
RT: 12.598 min Scan# 1787
Delta R.T. 0.000 min
Lab File: BF134308.D
Acq: 15 Jul 2023 01:30

Tgt Ion:202 Resp: 62936
Ion Ratio Lower Upper
202 100
101 8.4 0.0 31.0
203 15.8 0.0 37.6

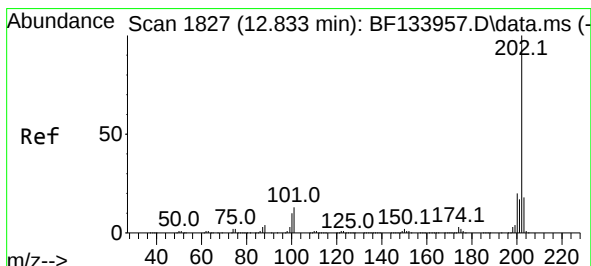
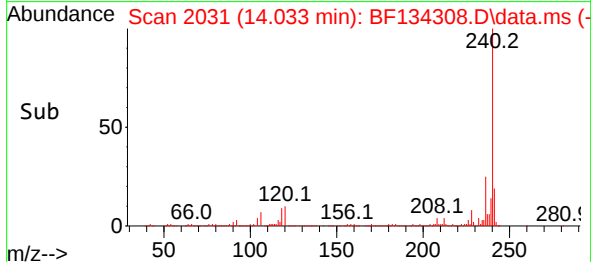
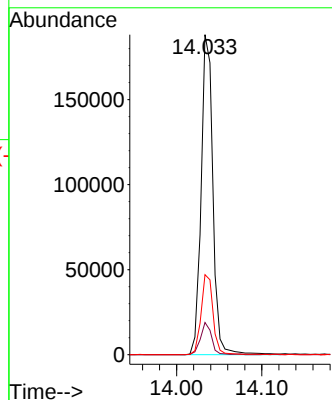
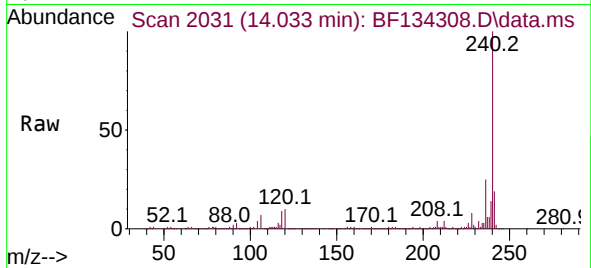




#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.033 min Scan# 2031
Delta R.T. -0.006 min
Lab File: BF134308.D
Acq: 15 Jul 2023 01:30

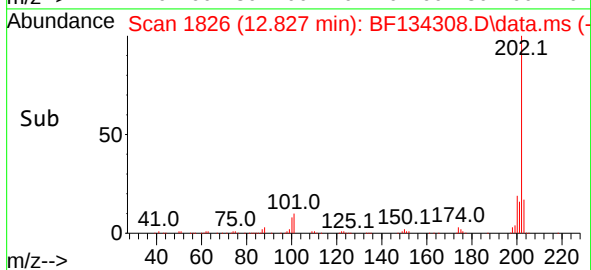
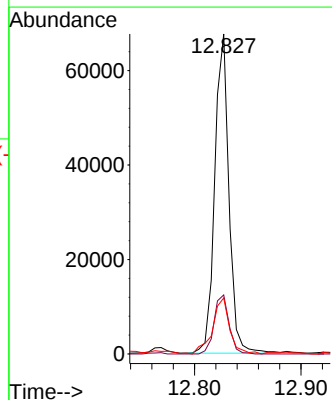
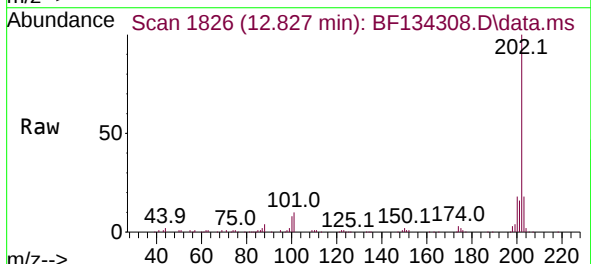
Instrument :
BNA_F
ClientSampleId :
RB-44-(2-5)

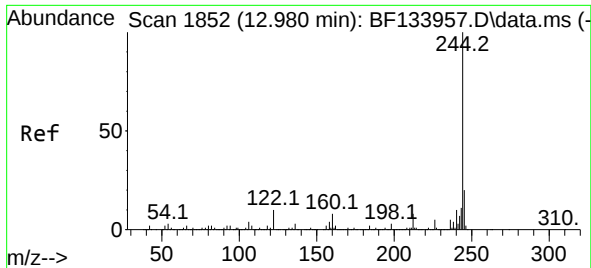
Tgt Ion:240 Resp: 180519
Ion Ratio Lower Upper
240 100
120 10.0 7.4 11.0
236 25.0 21.0 31.6



#78
Pyrene
Concen: 3.713 ng
RT: 12.827 min Scan# 1826
Delta R.T. -0.006 min
Lab File: BF134308.D
Acq: 15 Jul 2023 01:30

Tgt Ion:202 Resp: 62370
Ion Ratio Lower Upper
202 100
200 18.4 16.1 24.1
203 17.5 14.3 21.5

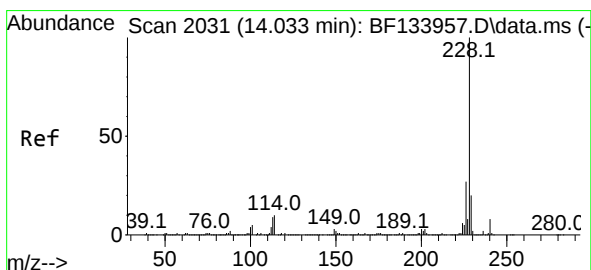
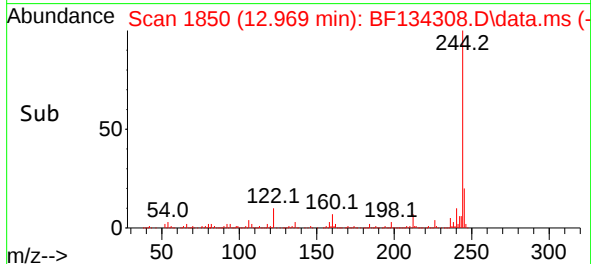
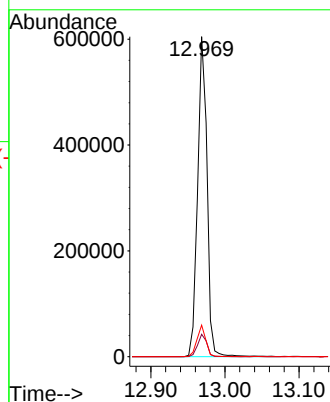
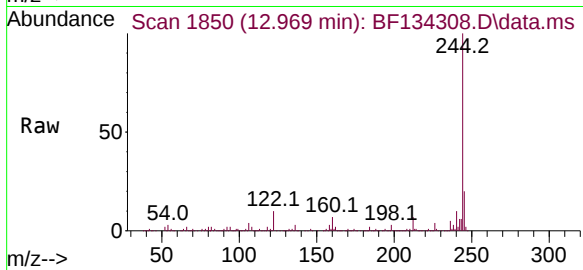




#79
 Terphenyl-d14
 Concen: 47.367 ng
 RT: 12.969 min Scan# 1850
 Delta R.T. -0.006 min
 Lab File: BF134308.D
 Acq: 15 Jul 2023 01:30

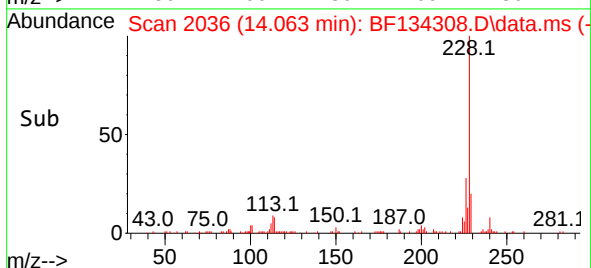
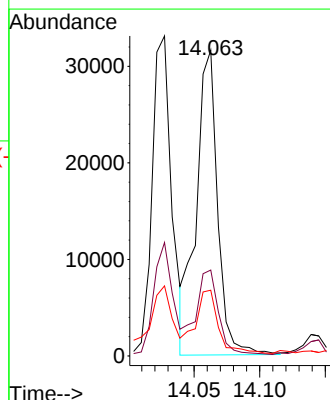
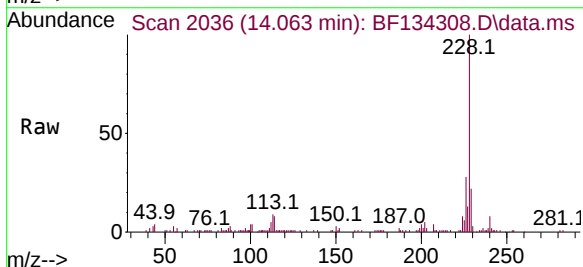
Instrument :
 BNA_F
 ClientSampleId :
 RB-44-(2-5)

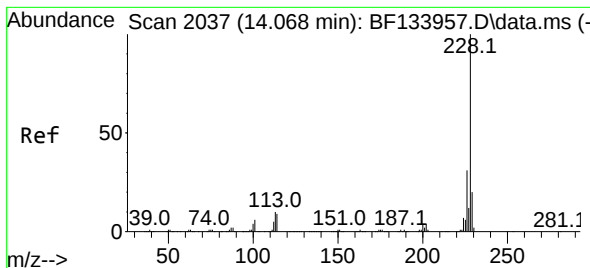
Tgt Ion:244 Resp: 531290
 Ion Ratio Lower Upper
 244 100
 212 7.0 6.0 9.0
 122 9.8 8.3 12.5



#81
 Benzo(a)anthracene
 Concen: 2.878 ng
 RT: 14.063 min Scan# 2036
 Delta R.T. 0.035 min
 Lab File: BF134308.D
 Acq: 15 Jul 2023 01:30

Tgt Ion:228 Resp: 36026
 Ion Ratio Lower Upper
 228 100
 226 28.1 22.0 33.0
 229 21.5 16.3 24.5





#83

Chrysene

Concen: 2.971 ng

RT: 14.063 min Scan# 2037

Delta R.T. -0.006 min

Lab File: BF134308.D

Acq: 15 Jul 2023 01:30

Instrument :

BNA_F

ClientSampleId :

RB-44-(2-5)

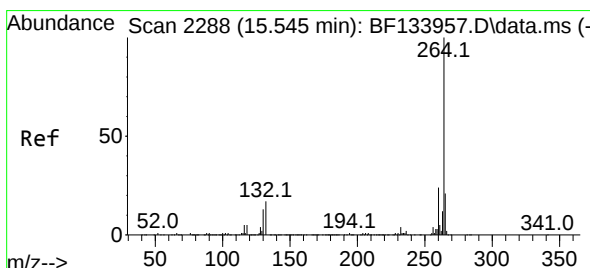
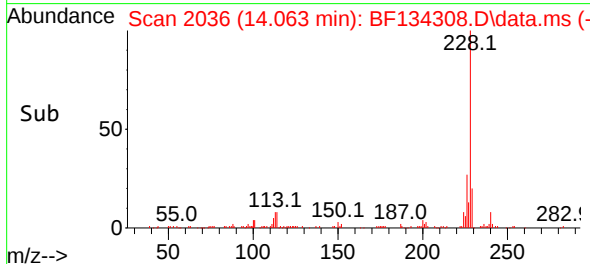
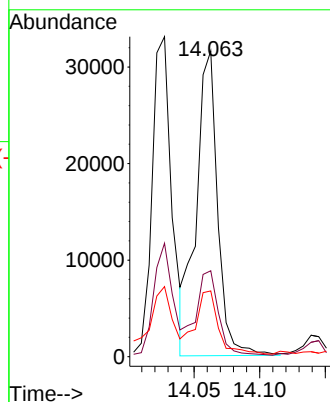
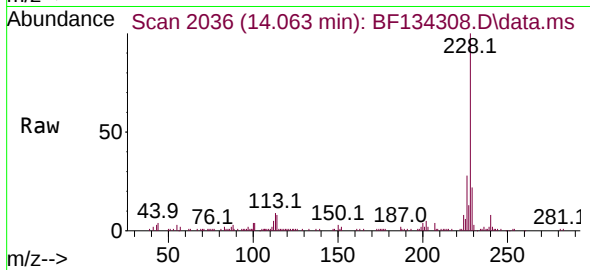
Tgt Ion:228 Resp: 36026

Ion Ratio Lower Upper

228 100

226 28.1 24.4 36.6

229 21.5 16.1 24.1



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.539 min Scan# 2287

Delta R.T. -0.006 min

Lab File: BF134308.D

Acq: 15 Jul 2023 01:30

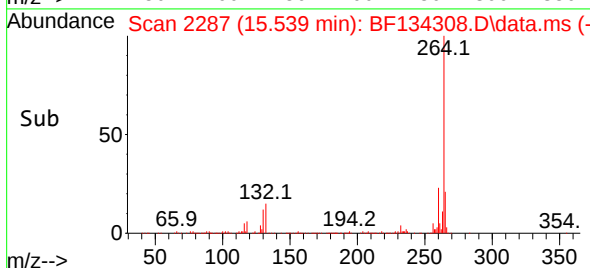
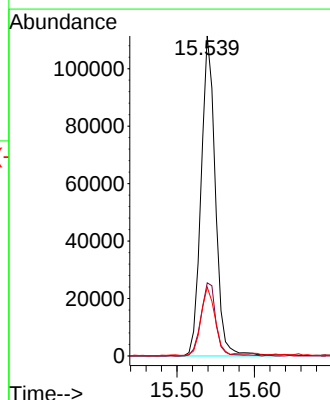
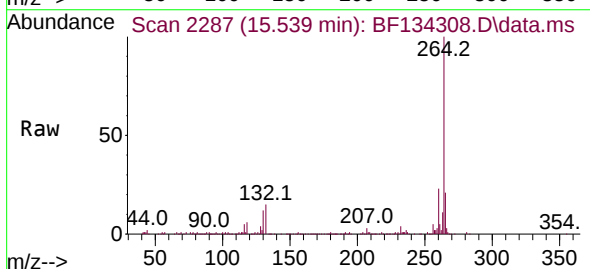
Tgt Ion:264 Resp: 142410

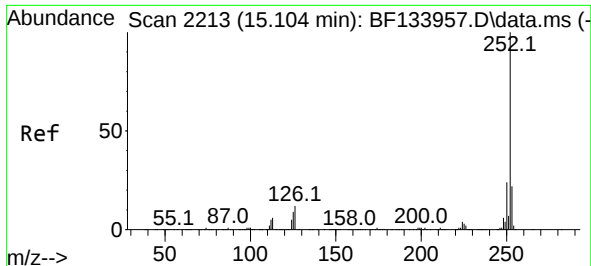
Ion Ratio Lower Upper

264 100

260 22.8 19.5 29.3

265 21.5 16.6 25.0

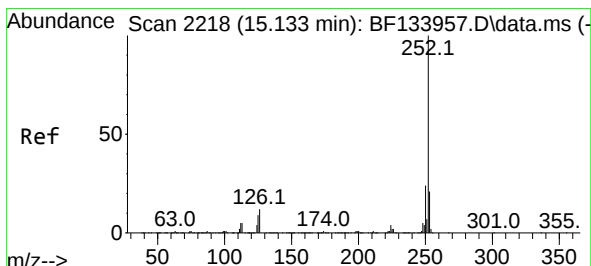
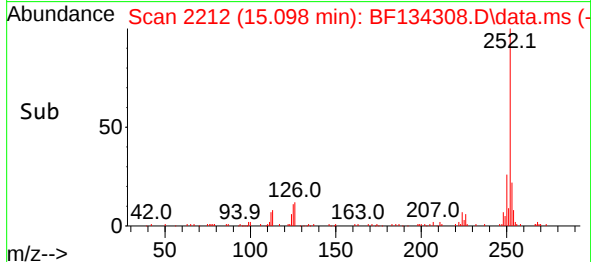
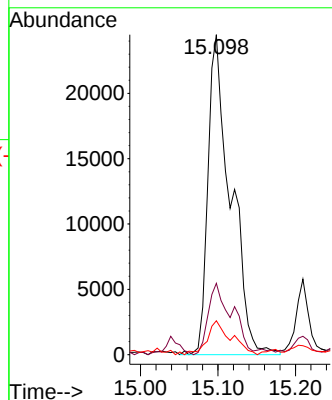
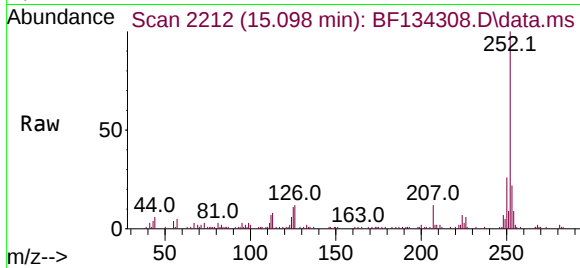




#88
Benzo(b)fluoranthene
Concen: 5.976 ng
RT: 15.098 min Scan# 2112
Delta R.T. -0.006 min
Lab File: BF134308.D
Acq: 15 Jul 2023 01:30

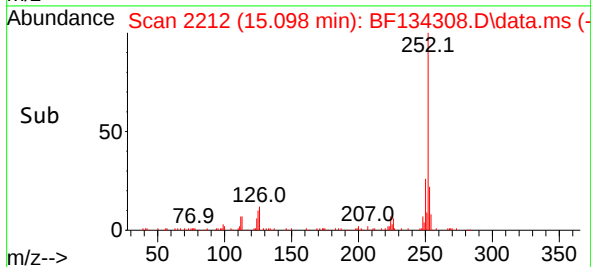
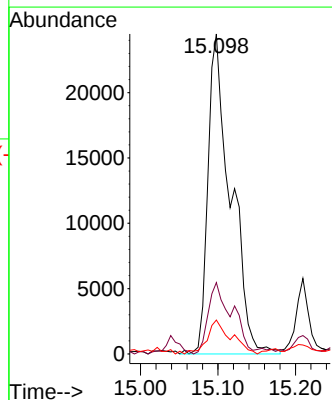
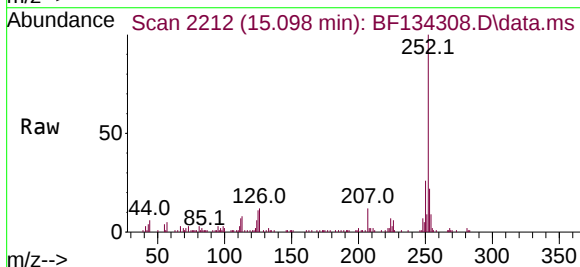
Instrument :
BNA_F
ClientSampleId :
RB-44-(2-5)

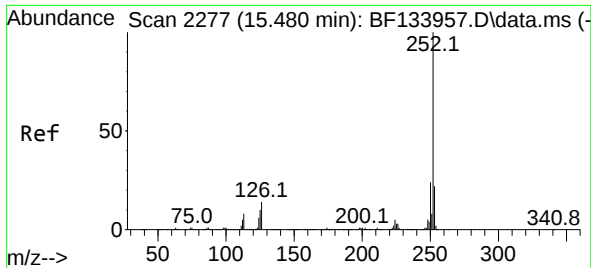
Tgt Ion:252 Resp: 50042
Ion Ratio Lower Upper
252 100
253 22.3 17.4 26.0
125 10.6 7.1 10.7



#89
Benzo(k)fluoranthene
Concen: 5.869 ng
RT: 15.098 min Scan# 2212
Delta R.T. -0.035 min
Lab File: BF134308.D
Acq: 15 Jul 2023 01:30

Tgt Ion:252 Resp: 50042
Ion Ratio Lower Upper
252 100
253 22.3 16.9 25.3
125 10.6 7.4 11.2





#90
Benzo(a)pyrene
Concen: 3.298 ng
RT: 15.474 min Scan# 21
Delta R.T. -0.006 min
Lab File: BF134308.D
Acq: 15 Jul 2023 01:30

Instrument :
BNA_F
ClientSampleId :
RB-44-(2-5)

Tgt Ion:252 Resp: 26703
Ion Ratio Lower Upper
252 100
253 22.2 17.4 26.0
125 11.3 8.4 12.6

