

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF071723\
 Data File : BF134329.D
 Acq On : 17 Jul 2023 22:38
 Operator : CG\JU
 Sample : 03597-01
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 RB-42-(1-3)

Quant Time: Jul 18 01:18:14 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)

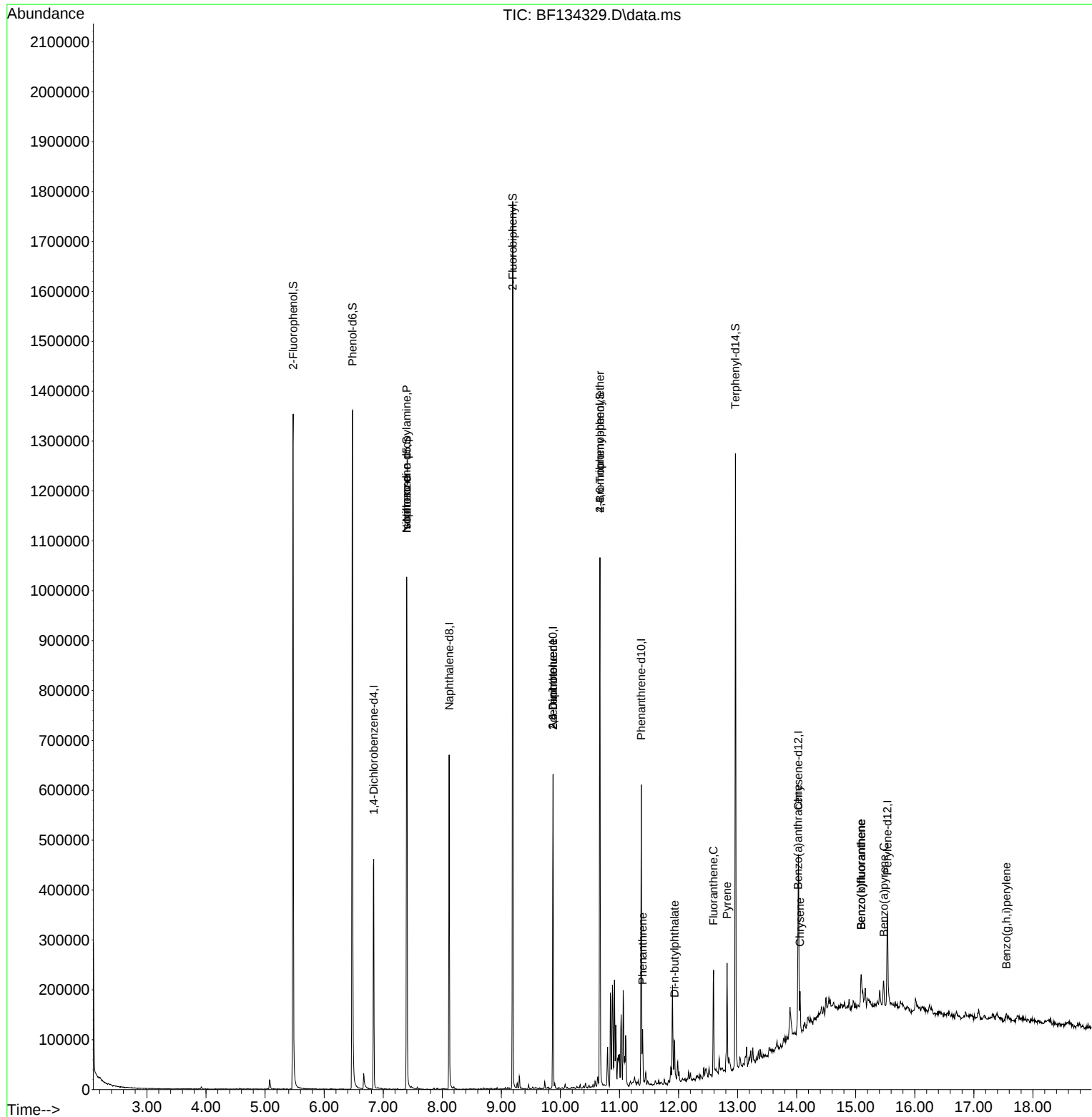
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.840	152	69851	20.000	ng	0.00
21) Naphthalene-d8	8.116	136	254658	20.000	ng	0.00
39) Acenaphthene-d10	9.875	164	112381	20.000	ng	0.00
64) Phenanthrene-d10	11.369	188	199575	20.000	ng	0.00
76) Chrysene-d12	14.027	240	111467	20.000	ng	-0.01
86) Perylene-d12	15.539	264	96580	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.475	112	368688	88.292	ng	0.00
7) Phenol-d6	6.481	99	438895	85.465	ng	0.00
23) Nitrobenzene-d5	7.398	82	293211	62.066	ng	-0.01
42) 2,4,6-Tribromophenol	10.669	330	121453	86.196	ng	-0.01
45) 2-Fluorobiphenyl	9.192	172	454539	58.805	ng	-0.01
79) Terphenyl-d14	12.963	244	410330	59.246	ng	-0.01
Target Compounds						Qvalue
9) Benzaldehyde	6.481	77	954	Below Cal	#	1
19) n-Nitroso-di-n-propyla...	7.398	70	39702	12.191	ng	# 76
25) Isophorone	7.398	82	293208	34.150	ng	# 64
51) 2,6-Dinitrotoluene	9.875	165	14899	8.480	ng	# 24
57) 2,4-Dinitrotoluene	9.875	165	14899	6.421	ng	# 23
67) 4-Bromophenyl-phenylether	10.669	248	7237	3.412	ng	# 1
71) Phenanthrene	11.392	178	37523	3.735	ng	100
74) Di-n-butylphthalate	11.933	149	38016	3.342	ng	99
75) Fluoranthene	12.592	202	87987	8.101	ng	96
78) Pyrene	12.822	202	84570	8.152	ng	98
81) Benzo(a)anthracene	14.021	228	34428	4.454	ng	96
83) Chrysene	14.057	228	33016	4.410	ng	97
88) Benzo(b)fluoranthene	15.092	252	47083	8.291	ng	# 89
89) Benzo(k)fluoranthene	15.092	252	47083	8.143	ng	# 88
90) Benzo(a)pyrene	15.474	252	25867	4.710	ng	97
92) Benzo(g,h,i)perylene	17.551	276	13959	2.473	ng	95

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

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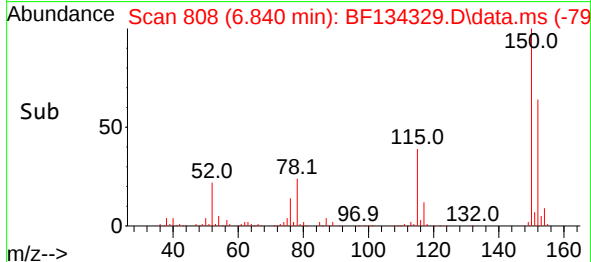
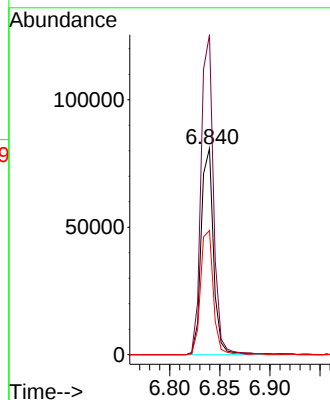
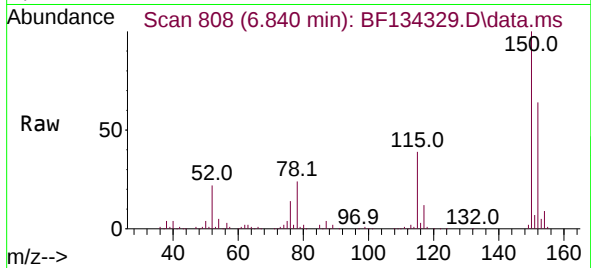




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.840 min Scan# 810
Delta R.T. -0.005 min
Lab File: BF134329.D
Acq: 17 Jul 2023 22:38

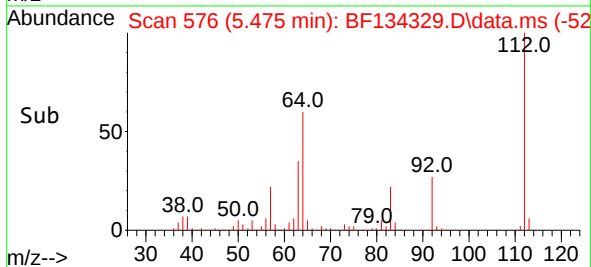
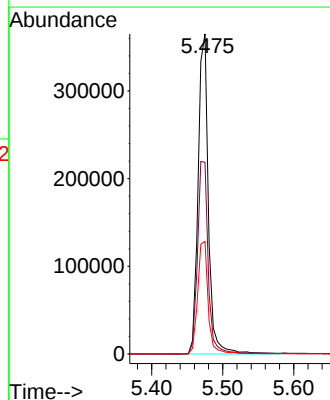
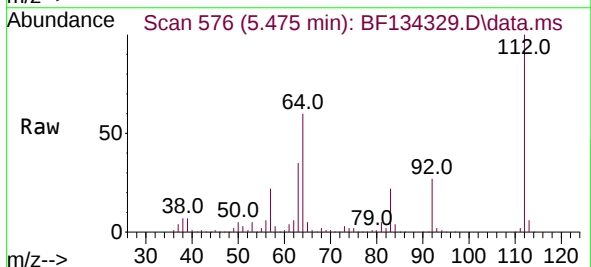
Instrument :
BNA_F
ClientSampleId :
RB-42-(1-3)

Tgt Ion:152 Resp: 69851
Ion Ratio Lower Upper
152 100
150 155.2 124.5 186.7
115 60.2 50.2 75.2



#5
2-Fluorophenol
Concen: 88.292 ng
RT: 5.475 min Scan# 576
Delta R.T. 0.006 min
Lab File: BF134329.D
Acq: 17 Jul 2023 22:38

Tgt Ion:112 Resp: 368688
Ion Ratio Lower Upper
112 100
64 59.9 52.1 78.1
63 35.2 28.6 42.8

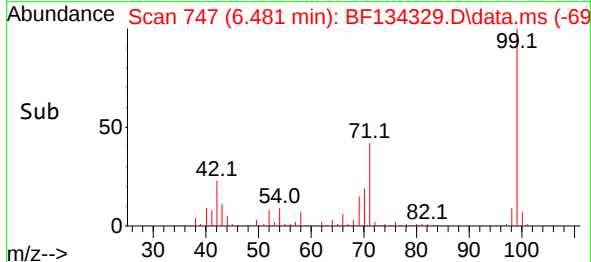
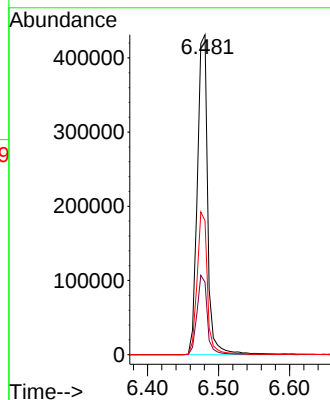
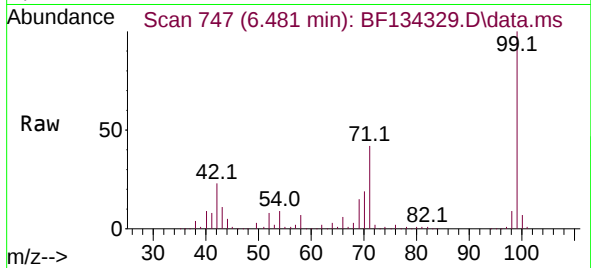




#7
Phenol-d6
Concen: 85.465 ng
RT: 6.481 min Scan# 74
Delta R.T. -0.006 min
Lab File: BF134329.D
Acq: 17 Jul 2023 22:38

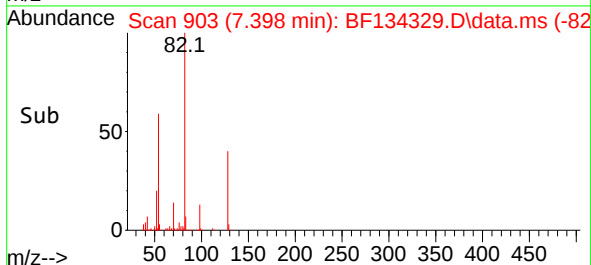
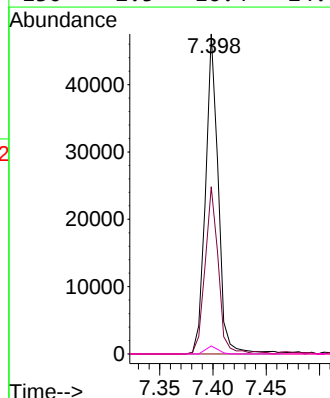
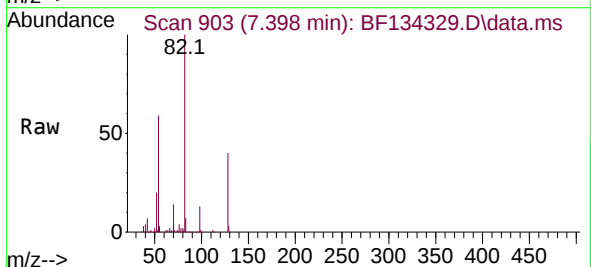
Instrument :
BNA_F
ClientSampleId :
RB-42-(1-3)

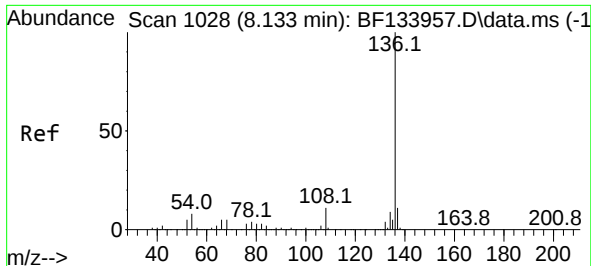
Tgt Ion: 99 Resp: 438895
Ion Ratio Lower Upper
99 100
42 22.7 19.8 29.6
71 41.9 31.9 47.9



#19
n-Nitroso-di-n-propylamine
Concen: 12.191 ng
RT: 7.398 min Scan# 903
Delta R.T. 0.141 min
Lab File: BF134329.D
Acq: 17 Jul 2023 22:38

Tgt Ion: 70 Resp: 39702
Ion Ratio Lower Upper
70 100
42 52.2 54.7 82.1#
101 0.0 7.7 11.5#
130 2.5 16.4 24.6#



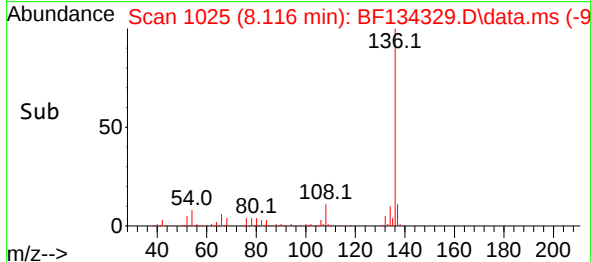
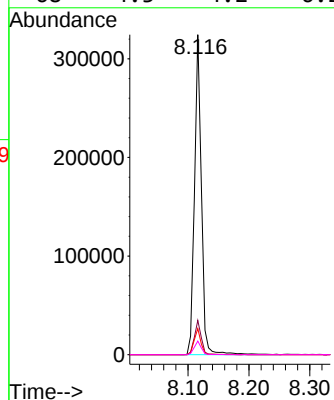
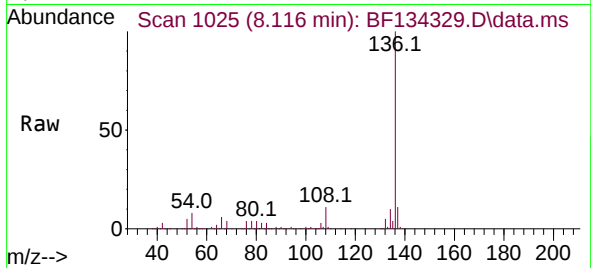


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.116 min Scan# 1025
Delta R.T. -0.006 min
Lab File: BF134329.D
Acq: 17 Jul 2023 22:38

Instrument :
BNA_F
ClientSampleId :
RB-42-(1-3)

Tgt Ion:136 Resp: 254658

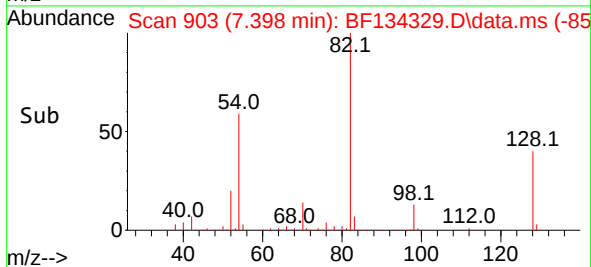
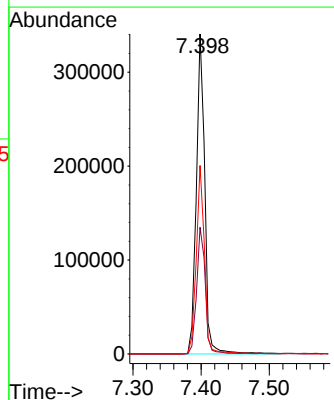
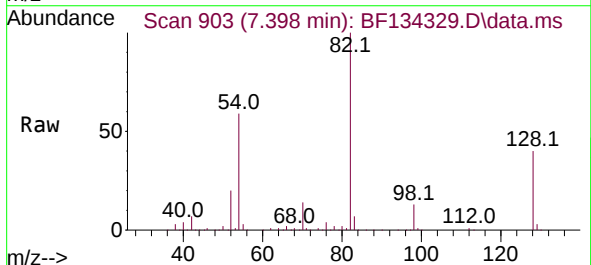
Ion	Ratio	Lower	Upper
136	100		
137	10.7	8.6	12.8
54	8.2	6.5	9.7
68	4.3	4.2	6.2



#23
Nitrobenzene-d5
Concen: 62.066 ng
RT: 7.398 min Scan# 903
Delta R.T. -0.012 min
Lab File: BF134329.D
Acq: 17 Jul 2023 22:38

Tgt Ion: 82 Resp: 293211

Ion	Ratio	Lower	Upper
82	100		
128	39.6	32.5	48.7
54	58.9	48.2	72.2

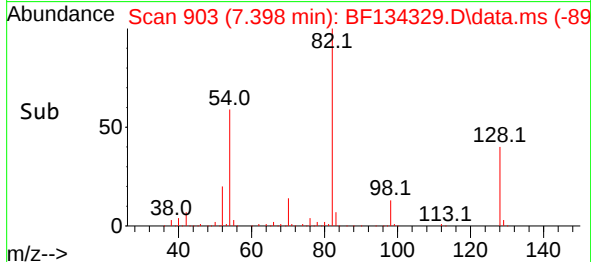
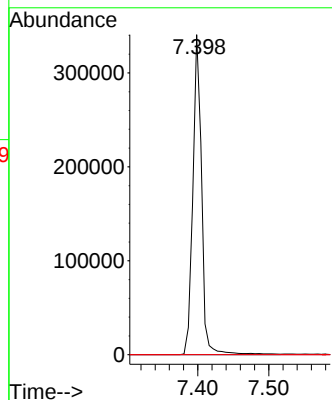
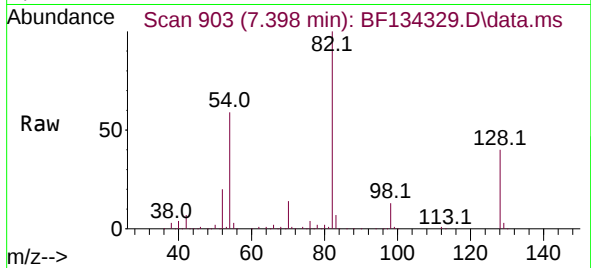




#25
Isophorone
Concen: 34.150 ng
RT: 7.398 min Scan# 90
Delta R.T. -0.265 min
Lab File: BF134329.D
Acq: 17 Jul 2023 22:38

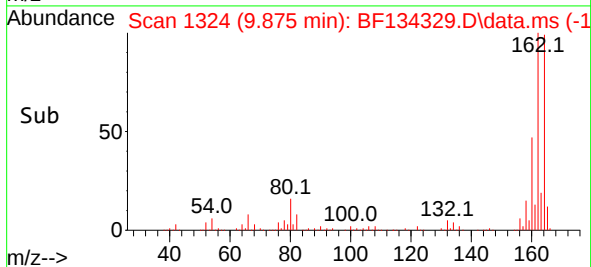
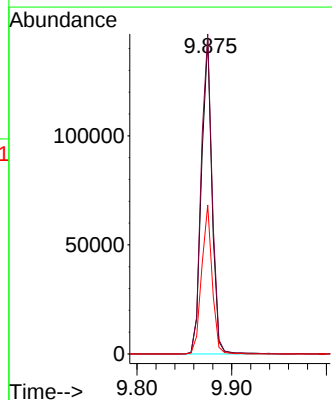
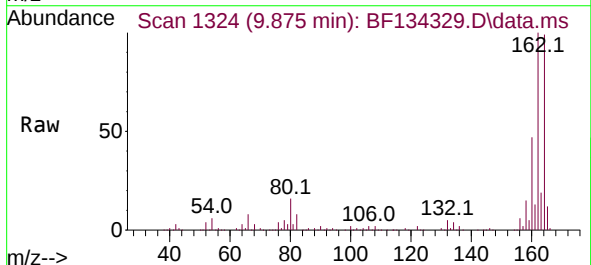
Instrument :
BNA_F
ClientSampleId :
RB-42-(1-3)

Tgt Ion: 82 Resp: 293208
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: 9.875 min Scan# 1324
Delta R.T. -0.006 min
Lab File: BF134329.D
Acq: 17 Jul 2023 22:38

Tgt Ion:164 Resp: 112381
Ion Ratio Lower Upper
164 100
162 101.5 80.0 120.0
160 47.2 35.9 53.9

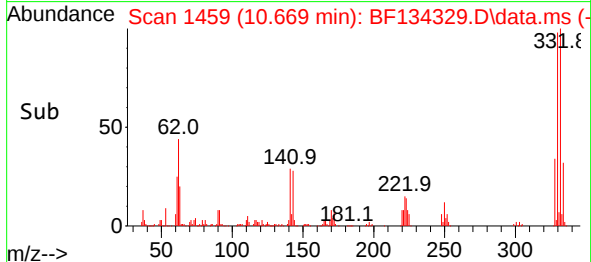
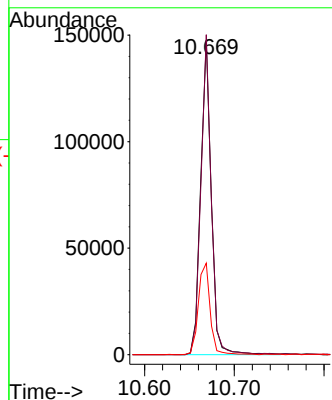
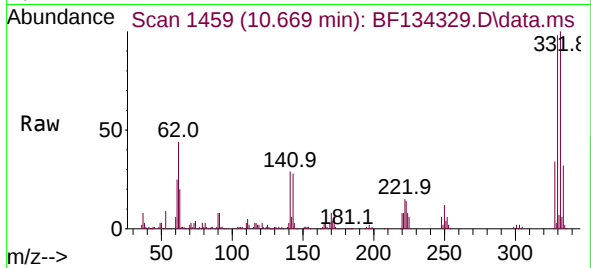




#42
2,4,6-Tribromophenol
Concen: 86.196 ng
RT: 10.669 min Scan# 1462
Delta R.T. -0.012 min
Lab File: BF134329.D
Acq: 17 Jul 2023 22:38

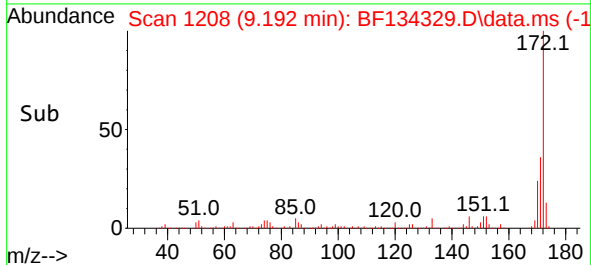
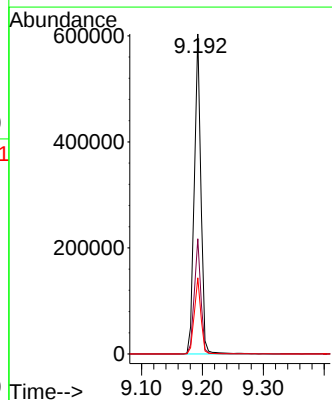
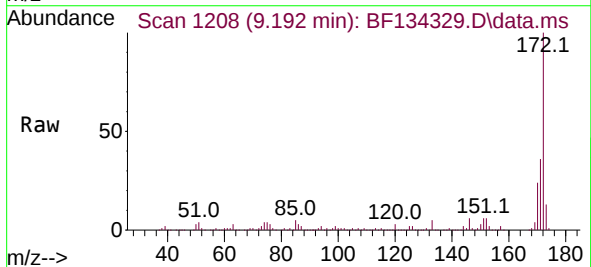
Instrument :
BNA_F
ClientSampleId :
RB-42-(1-3)

Tgt Ion: 330 Resp: 121453
Ion Ratio Lower Upper
330 100
332 98.5 77.0 115.6
141 32.3 26.3 39.5



#45
2-Fluorobiphenyl
Concen: 58.805 ng
RT: 9.192 min Scan# 1208
Delta R.T. -0.012 min
Lab File: BF134329.D
Acq: 17 Jul 2023 22:38

Tgt Ion: 172 Resp: 454539
Ion Ratio Lower Upper
172 100
171 36.0 28.6 43.0
170 23.8 19.4 29.0

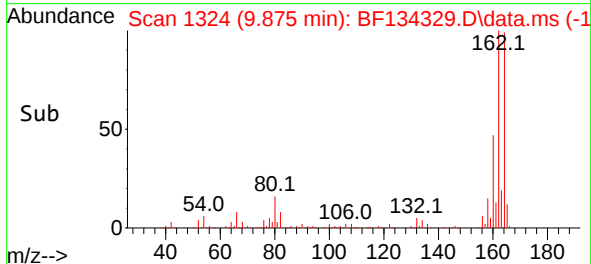
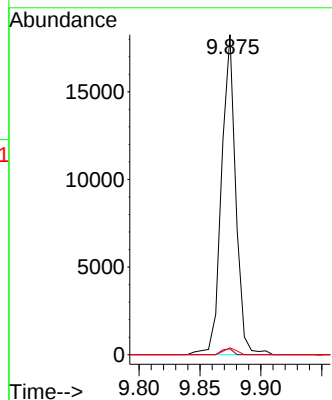
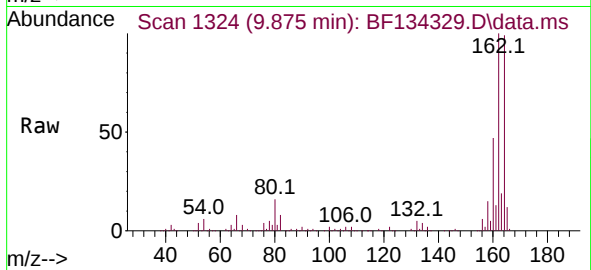




#51
2,6-Dinitrotoluene
Concen: 8.480 ng
RT: 9.875 min Scan# 11
Delta R.T. 0.200 min
Lab File: BF134329.D
Acq: 17 Jul 2023 22:38

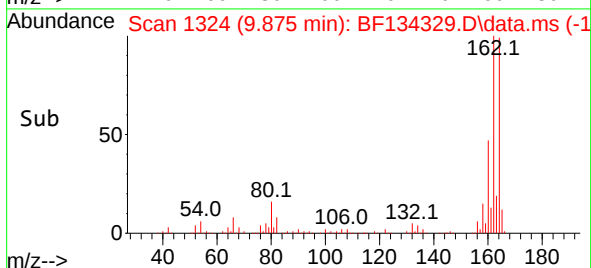
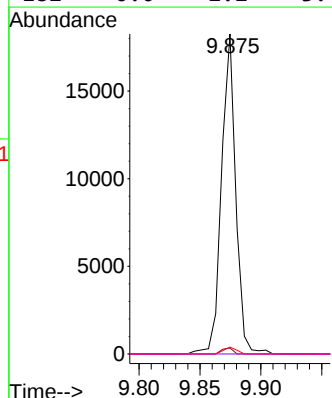
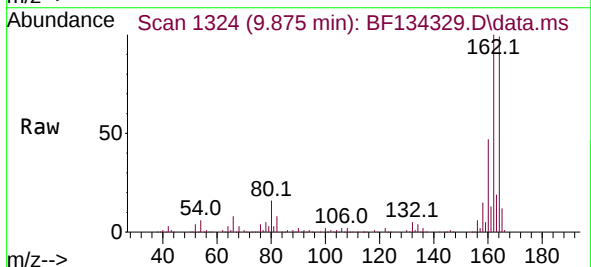
Instrument :
BNA_F
ClientSampleId :
RB-42-(1-3)

Tgt Ion:165 Resp: 14899
Ion Ratio Lower Upper
165 100
63 1.8 48.5 72.7#
89 2.2 45.5 68.3#



#57
2,4-Dinitrotoluene
Concen: 6.421 ng
RT: 9.875 min Scan# 1324
Delta R.T. -0.206 min
Lab File: BF134329.D
Acq: 17 Jul 2023 22:38

Tgt Ion:165 Resp: 14899
Ion Ratio Lower Upper
165 100
63 1.8 42.2 63.2#
89 2.2 57.4 86.2#
182 0.0 2.2 3.4#





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.369 min Scan# 1

Delta R.T. -0.006 min

Lab File: BF134329.D

Acq: 17 Jul 2023 22:38

Instrument :

BNA_F

ClientSampleId :

RB-42-(1-3)

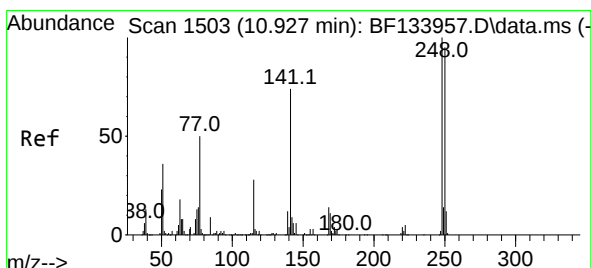
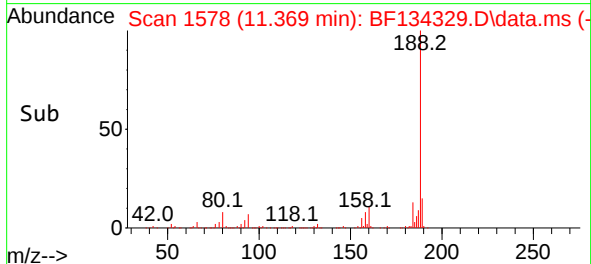
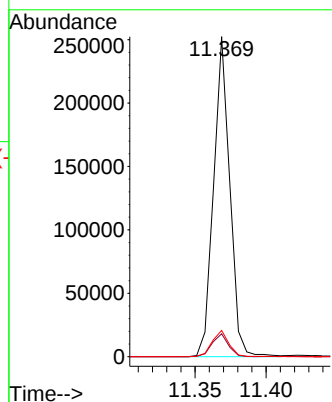
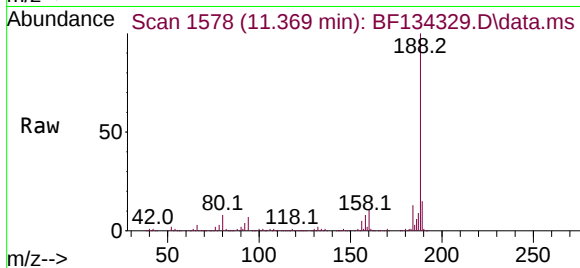
Tgt Ion:188 Resp: 199575

Ion Ratio Lower Upper

188 100

94 7.1 6.4 9.6

80 8.2 7.3 10.9



#67

4-Bromophenyl-phenylether

Concen: 3.412 ng

RT: 10.669 min Scan# 1459

Delta R.T. -0.247 min

Lab File: BF134329.D

Acq: 17 Jul 2023 22:38

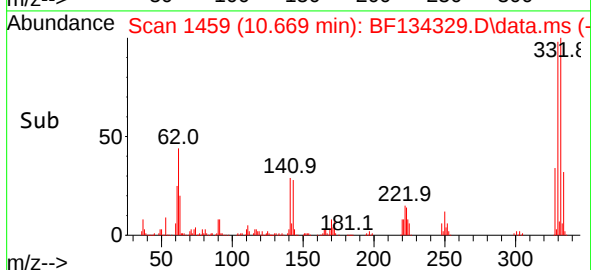
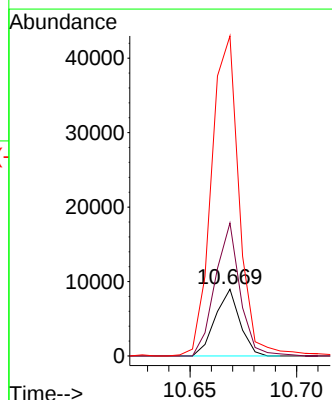
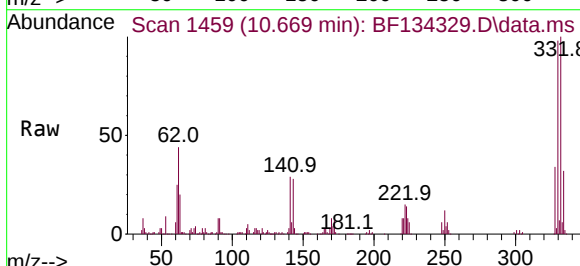
Tgt Ion:248 Resp: 7237

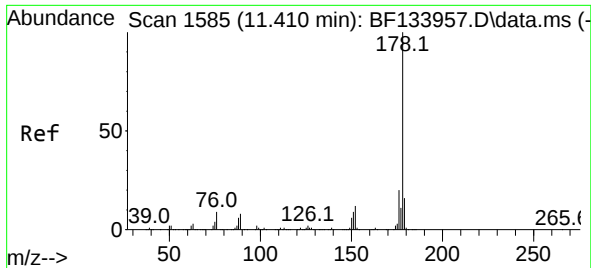
Ion Ratio Lower Upper

248 100

250 199.3 76.2 114.4#

141 479.8 59.0 88.4#

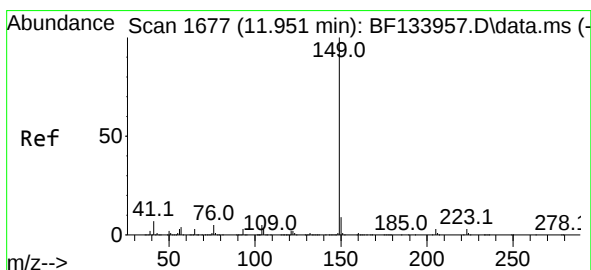
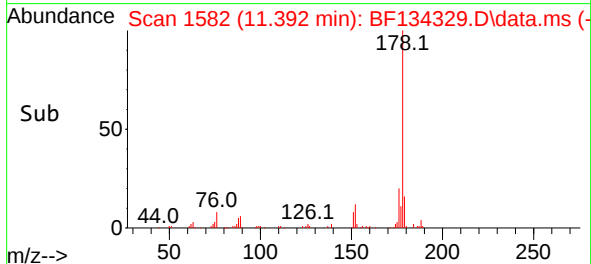
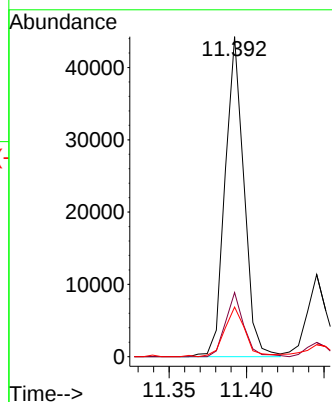
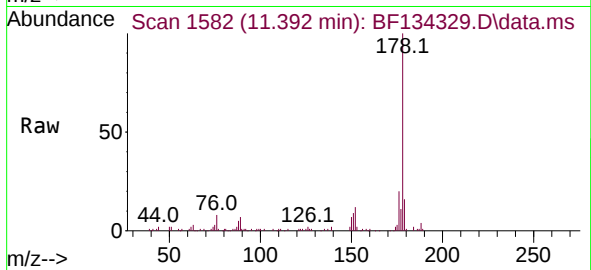




#71
Phenanthrene
Concen: 3.735 ng
RT: 11.392 min Scan# 11
Delta R.T. -0.012 min
Lab File: BF134329.D
Acq: 17 Jul 2023 22:38

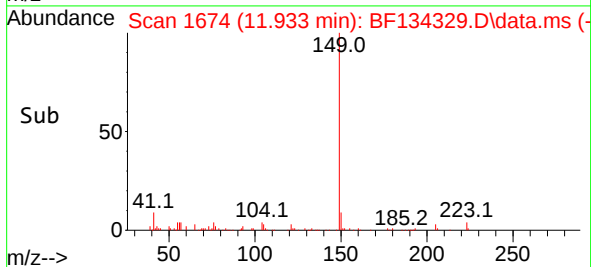
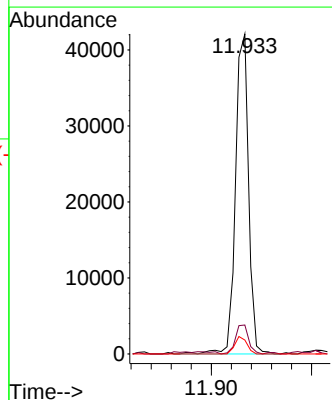
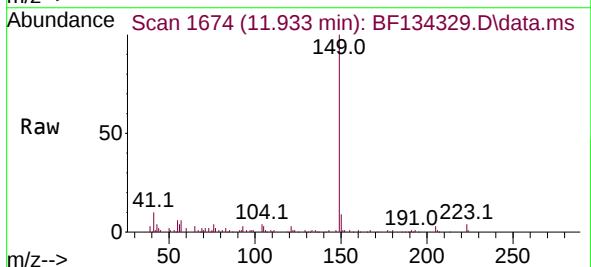
Instrument :
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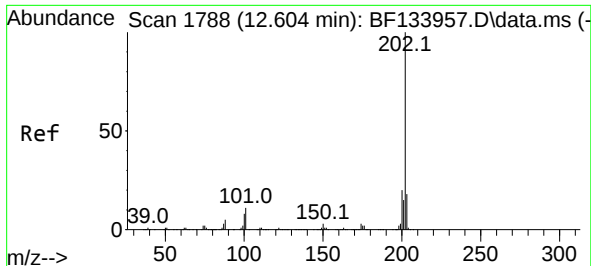
Tgt Ion:178 Resp: 37523
Ion Ratio Lower Upper
178 100
176 20.0 16.0 24.0
179 15.5 12.4 18.6



#74
Di-n-butylphthalate
Concen: 3.342 ng
RT: 11.933 min Scan# 1674
Delta R.T. -0.006 min
Lab File: BF134329.D
Acq: 17 Jul 2023 22:38

Tgt Ion:149 Resp: 38016
Ion Ratio Lower Upper
149 100
150 9.1 7.1 10.7
104 4.4 4.0 6.0

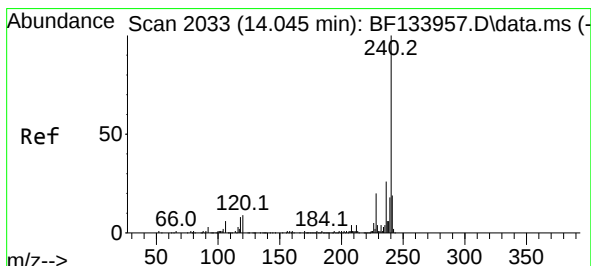
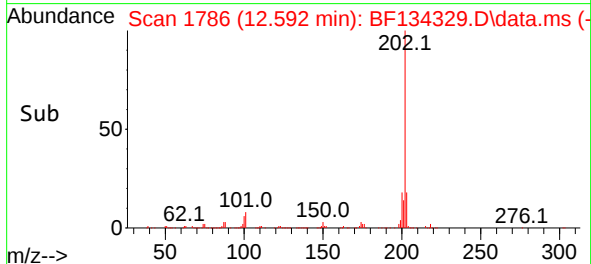
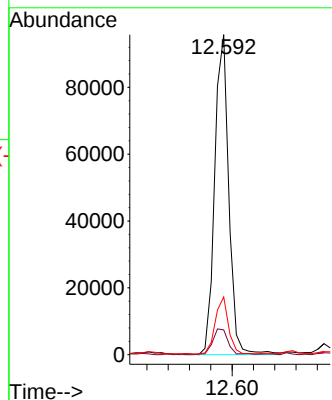
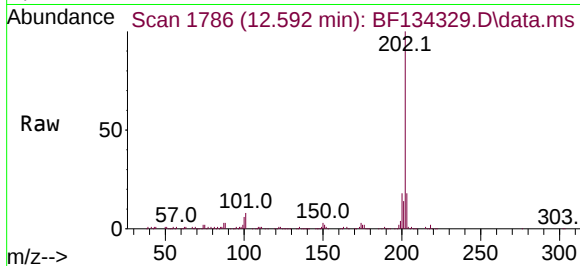




#75
Fluoranthene
Concen: 8.101 ng
RT: 12.592 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF134329.D
Acq: 17 Jul 2023 22:38

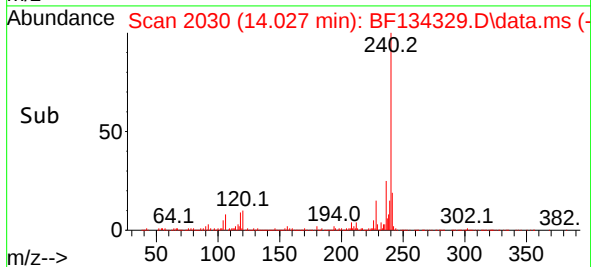
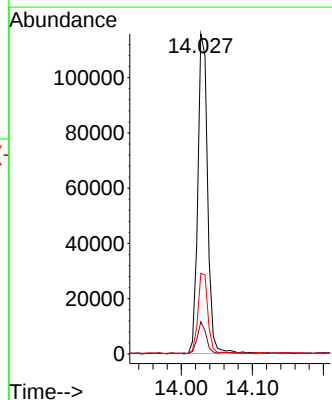
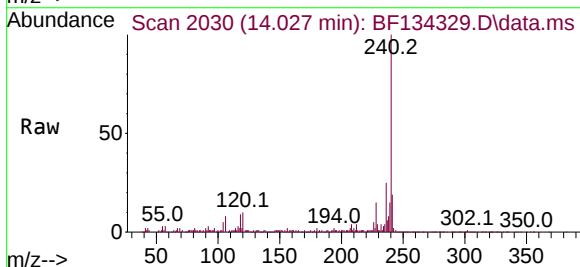
Instrument :
BNA_F
ClientSampleId :
RB-42-(1-3)

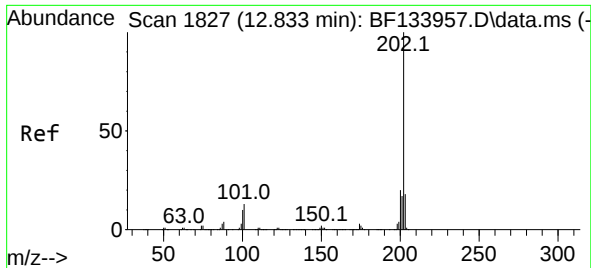
Tgt Ion:202 Resp: 87987
Ion Ratio Lower Upper
202 100
101 7.8 0.0 31.0
203 18.0 0.0 37.6



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.027 min Scan# 2030
Delta R.T. -0.012 min
Lab File: BF134329.D
Acq: 17 Jul 2023 22:38

Tgt Ion:240 Resp: 111467
Ion Ratio Lower Upper
240 100
120 10.1 7.4 11.0
236 25.1 21.0 31.6

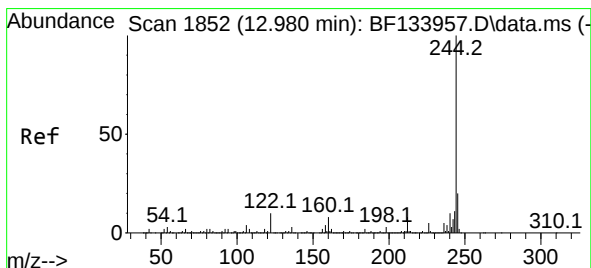
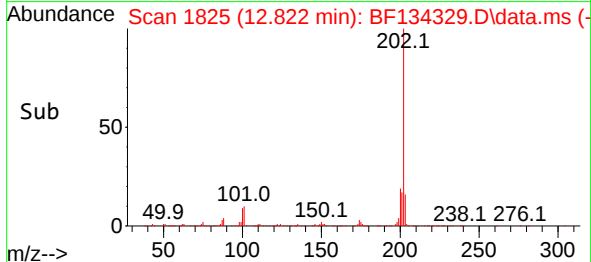
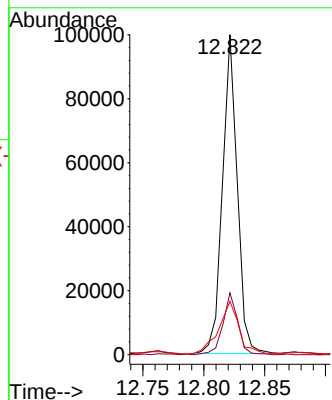
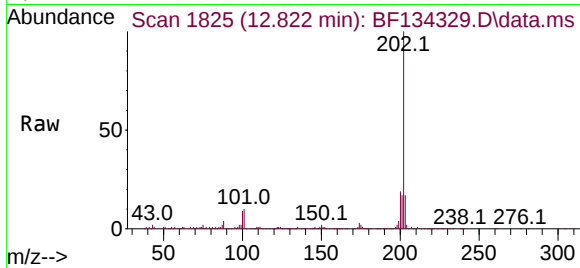




#78
 Pyrene
 Concen: 8.152 ng
 RT: 12.822 min Scan# 1849
 Delta R.T. -0.012 min
 Lab File: BF134329.D
 Acq: 17 Jul 2023 22:38

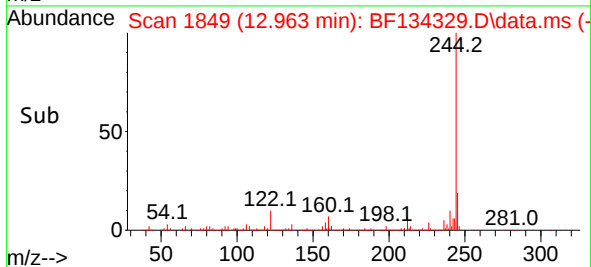
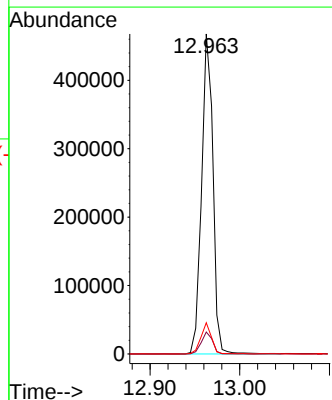
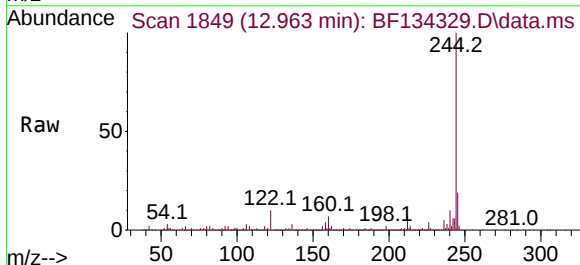
Instrument :
 BNA_F
 ClientSampleId :
 RB-42-(1-3)

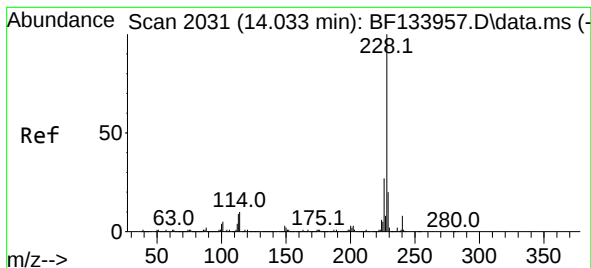
Tgt Ion:202 Resp: 84570
 Ion Ratio Lower Upper
 202 100
 200 19.3 16.1 24.1
 203 16.6 14.3 21.5



#79
 Terphenyl-d14
 Concen: 59.246 ng
 RT: 12.963 min Scan# 1849
 Delta R.T. -0.012 min
 Lab File: BF134329.D
 Acq: 17 Jul 2023 22:38

Tgt Ion:244 Resp: 410330
 Ion Ratio Lower Upper
 244 100
 212 6.9 6.0 9.0
 122 9.8 8.3 12.5





#81

Benzo(a)anthracene

Concen: 4.454 ng

RT: 14.021 min Scan# 2031

Delta R.T. -0.006 min

Lab File: BF134329.D

Acq: 17 Jul 2023 22:38

Instrument :

BNA_F

ClientSampleId :

RB-42-(1-3)

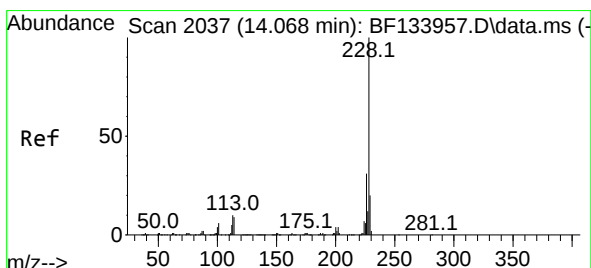
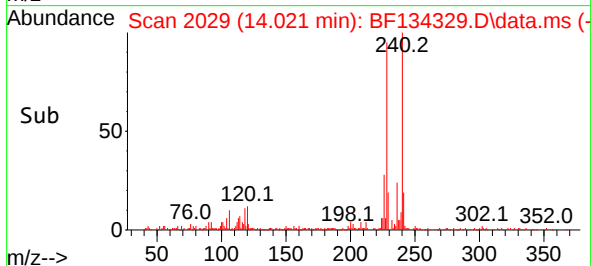
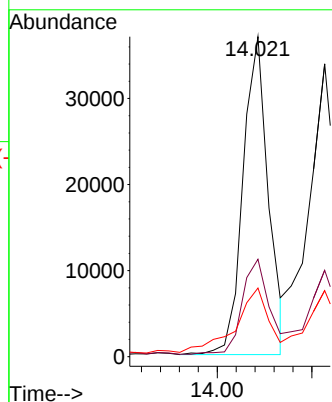
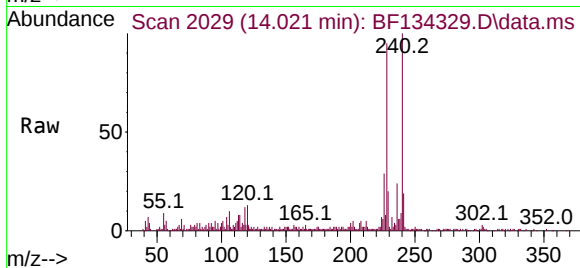
Tgt Ion:228 Resp: 34428

Ion Ratio Lower Upper

228 100

226 30.5 22.0 33.0

229 21.4 16.3 24.5



#83

Chrysene

Concen: 4.410 ng

RT: 14.057 min Scan# 2035

Delta R.T. -0.012 min

Lab File: BF134329.D

Acq: 17 Jul 2023 22:38

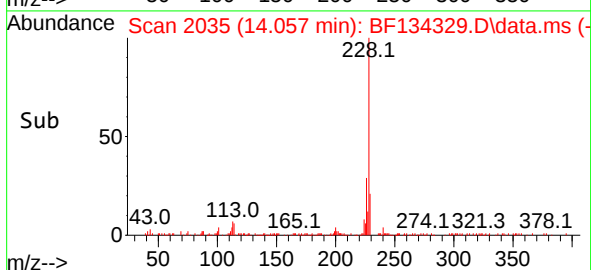
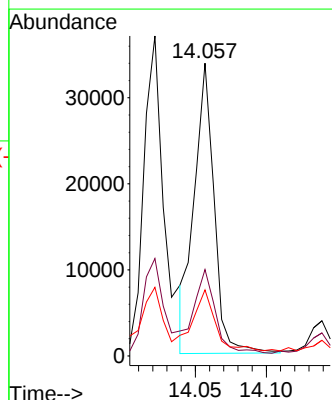
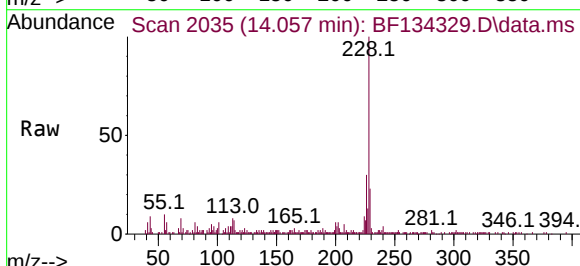
Tgt Ion:228 Resp: 33016

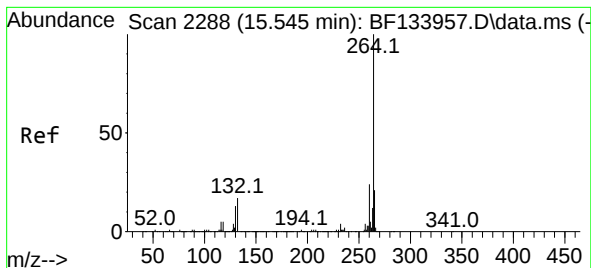
Ion Ratio Lower Upper

228 100

226 29.5 24.4 36.6

229 22.6 16.1 24.1





#86

Perylene-d12

Concen: 20.000 ng

RT: 15.539 min Scan# 21

Delta R.T. -0.006 min

Lab File: BF134329.D

Acq: 17 Jul 2023 22:38

Instrument :

BNA_F

ClientSampleId :

RB-42-(1-3)

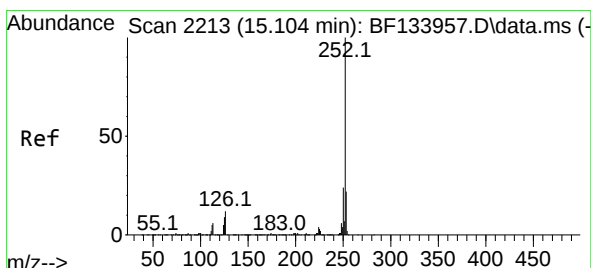
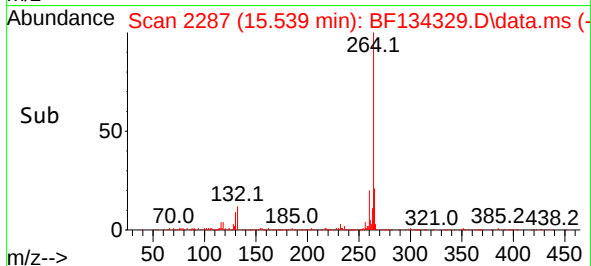
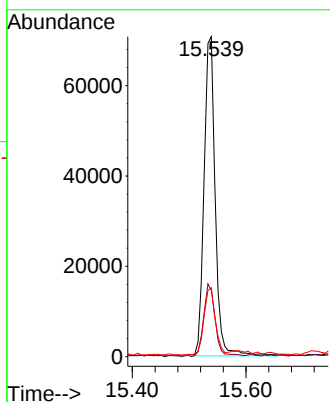
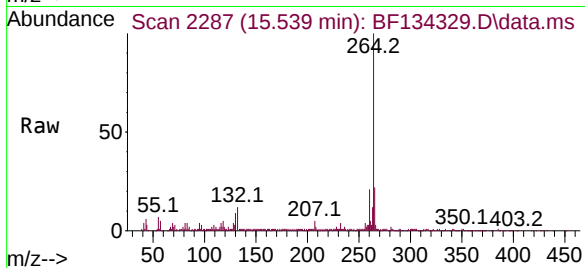
Tgt Ion:264 Resp: 96580

Ion Ratio Lower Upper

264 100

260 20.7 19.5 29.3

265 21.6 16.6 25.0



#88

Benzo(b)fluoranthene

Concen: 8.291 ng

RT: 15.092 min Scan# 2211

Delta R.T. -0.012 min

Lab File: BF134329.D

Acq: 17 Jul 2023 22:38

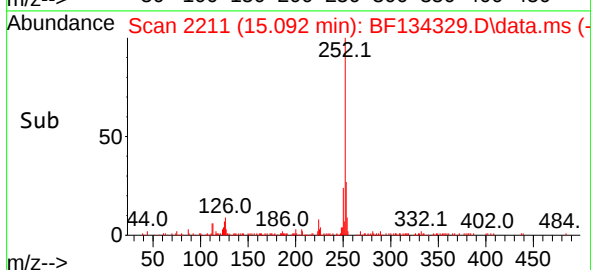
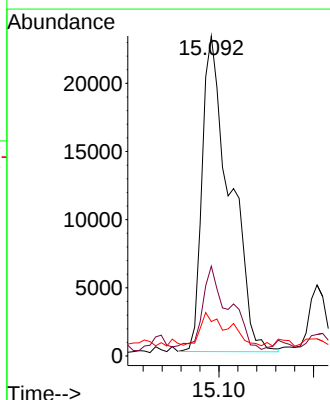
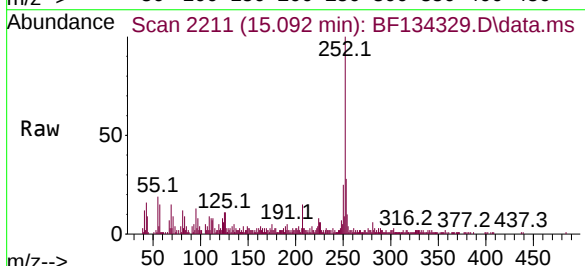
Tgt Ion:252 Resp: 47083

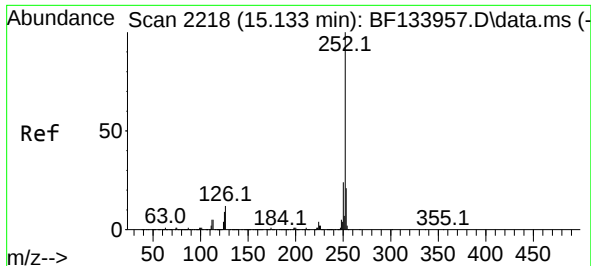
Ion Ratio Lower Upper

252 100

253 28.1 17.4 26.0#

125 10.7 7.1 10.7#

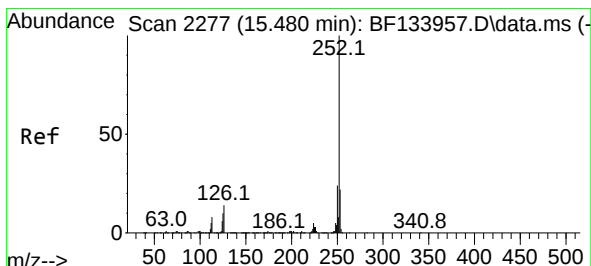
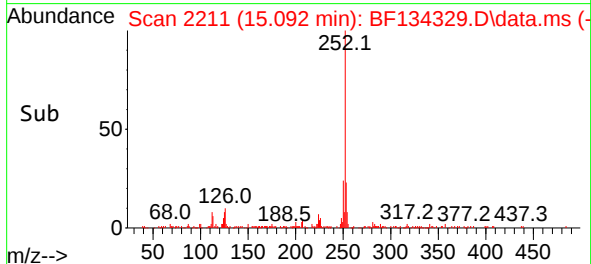
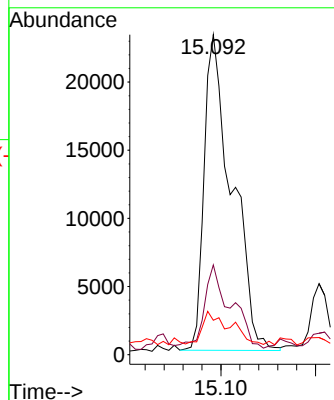
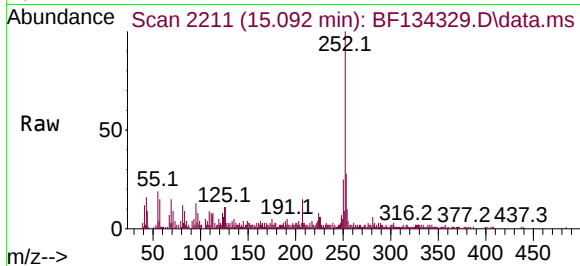




#89
Benzo(k)fluoranthene
Concen: 8.143 ng
RT: 15.092 min Scan# 211
Delta R.T. -0.041 min
Lab File: BF134329.D
Acq: 17 Jul 2023 22:38

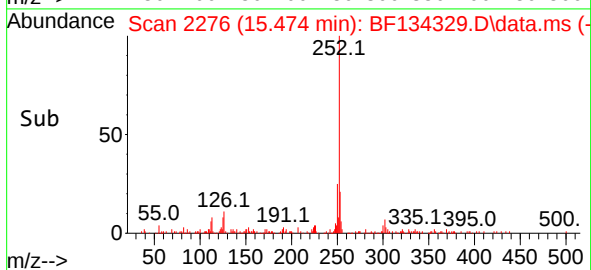
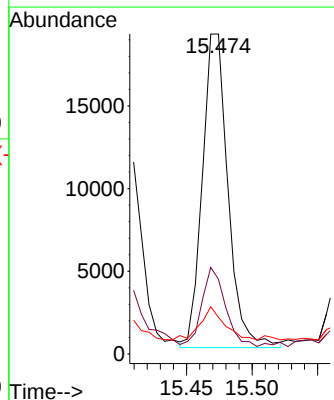
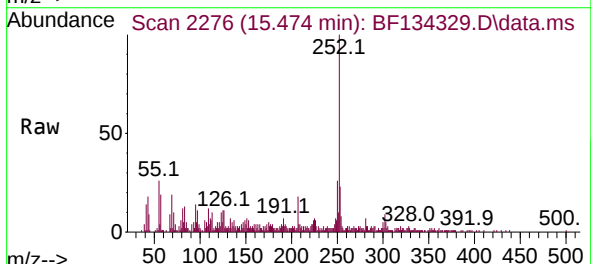
Instrument :
BNA_F
ClientSampleId :
RB-42-(1-3)

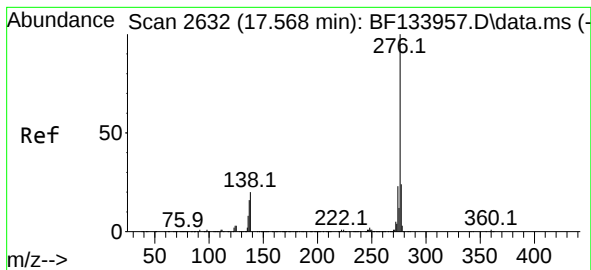
Tgt Ion:252 Resp: 47083
Ion Ratio Lower Upper
252 100
253 28.1 16.9 25.3#
125 10.7 7.4 11.2



#90
Benzo(a)pyrene
Concen: 4.710 ng
RT: 15.474 min Scan# 2276
Delta R.T. -0.006 min
Lab File: BF134329.D
Acq: 17 Jul 2023 22:38

Tgt Ion:252 Resp: 25867
Ion Ratio Lower Upper
252 100
253 23.4 17.4 26.0
125 11.5 8.4 12.6





#92
 Benzo(g,h,i)perylene
 Concen: 2.473 ng
 RT: 17.551 min Scan# 20
 Delta R.T. -0.017 min
 Lab File: BF134329.D
 Acq: 17 Jul 2023 22:38

Instrument :
 BNA_F
 ClientSampleId :
 RB-42-(1-3)

Tgt Ion:	276	Resp:	13959
Ion	Ratio	Lower	Upper
276	100		
277	22.5	19.0	28.6
138	16.9	16.2	24.2

