

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF122022\
 Data File : BF131730.D
 Acq On : 21 Dec 2022 00:19
 Operator : CG\JU
 Sample : N6037-14
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 RB-24-(1-3)

Quant Time: Dec 21 04:51:02 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF122022.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Dec 21 03:12:37 2022
 Response via : Initial Calibration

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

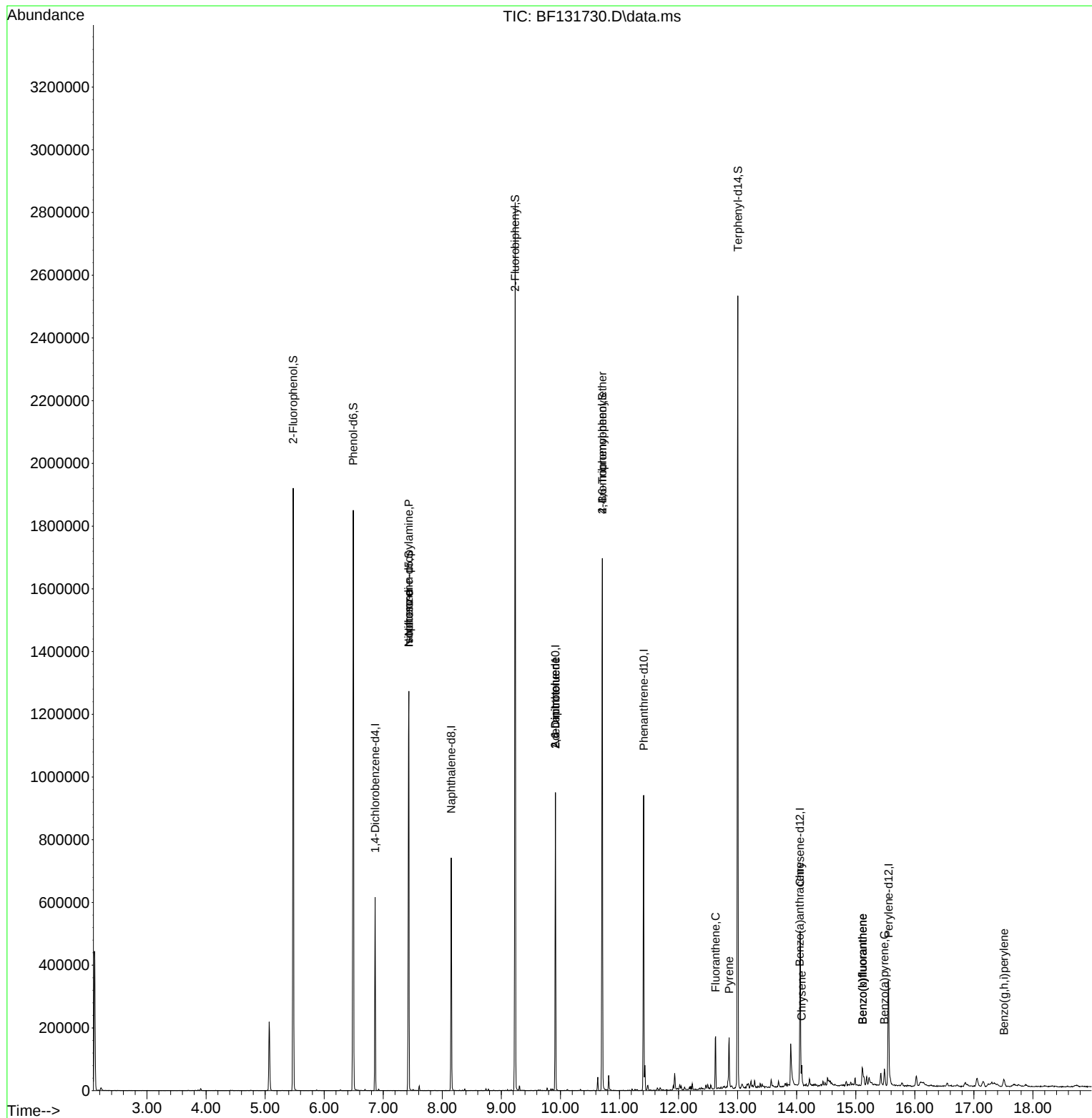
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.863	152	76781	20.000	ng	0.00
21) Naphthalene-d8	8.151	136	277561	20.000	ng	0.00
39) Acenaphthene-d10	9.916	164	166292	20.000	ng	0.00
64) Phenanthrene-d10	11.410	188	319185	20.000	ng	0.00
76) Chrysene-d12	14.057	240	151062	20.000	ng	0.00
86) Perylene-d12	15.557	264	162888	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.475	112	482775	105.878	ng	0.00
7) Phenol-d6	6.492	99	638996	104.117	ng	-0.01
23) Nitrobenzene-d5	7.434	82	437285	63.958	ng	0.00
42) 2,4,6-Tribromophenol	10.710	330	178734	98.198	ng	0.00
45) 2-Fluorobiphenyl	9.233	172	776738	65.431	ng	0.00
79) Terphenyl-d14	13.004	244	843320	87.006	ng	0.00
Target Compounds						Qvalue
9) Benzaldehyde	6.492	77	960	Below Cal	#	5
19) n-Nitroso-di-n-propyla...	7.434	70	58669	13.255	ng	# 80
25) Isophorone	7.434	82	436185	37.566	ng	# 70
51) 2,6-Dinitrotoluene	9.916	165	21623	8.037	ng	# 19
57) 2,4-Dinitrotoluene	9.916	165	21623	5.981	ng	# 18
67) 4-Bromophenyl-phenylether	10.710	248	12543	3.327	ng	# 1
75) Fluoranthene	12.627	202	67951	3.506	ng	99
78) Pyrene	12.857	202	64421	4.690	ng	99
81) Benzo(a)anthracene	14.051	228	22892	2.104	ng	# 90
83) Chrysene	14.086	228	24642	2.400	ng	95
88) Benzo(b)fluoranthene	15.115	252	42448	3.683	ng	# 97
89) Benzo(k)fluoranthene	15.115	252	42448	3.775	ng	# 98
90) Benzo(a)pyrene	15.486	252	23870	2.615	ng	96
92) Benzo(g,h,i)perylene	17.509	276	19560	2.189	ng	97

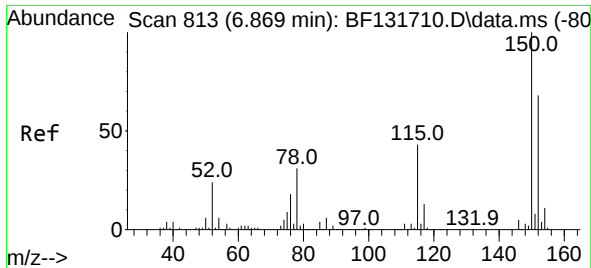
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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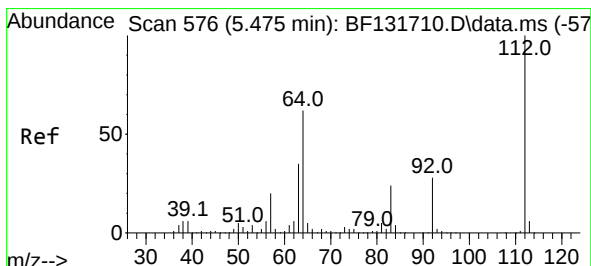
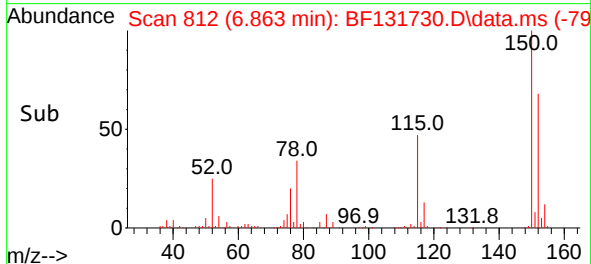
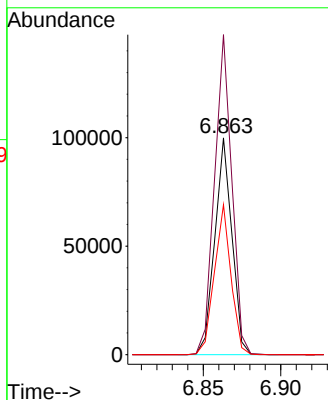
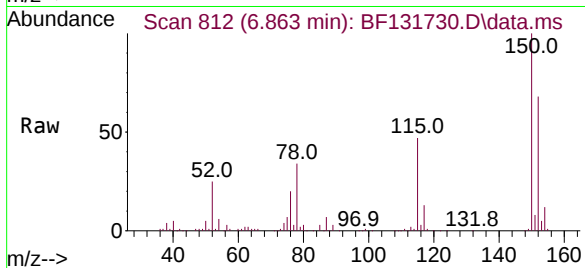




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.863 min Scan# 813
Delta R.T. -0.006 min
Lab File: BF131730.D
Acq: 21 Dec 2022 00:19

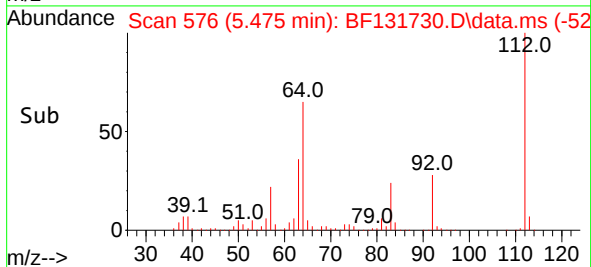
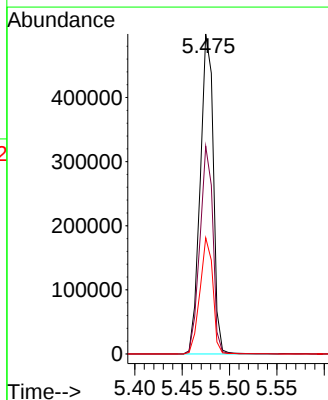
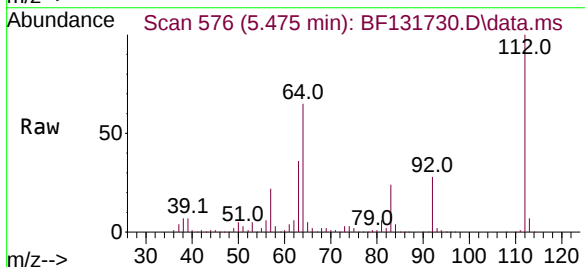
Instrument :
BNA_F
ClientSampleId :
RB-24-(1-3)

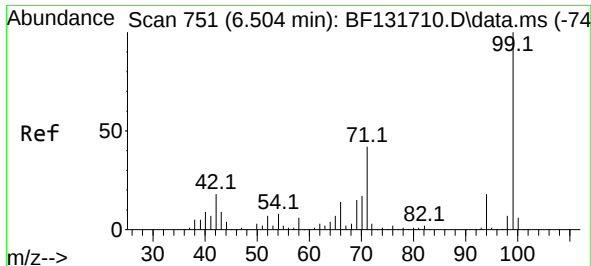
Tgt Ion:152 Resp: 76781
Ion Ratio Lower Upper
152 100
150 147.6 117.4 176.0
115 69.2 50.2 75.4



#5
2-Fluorophenol
Concen: 105.878 ng
RT: 5.475 min Scan# 576
Delta R.T. 0.000 min
Lab File: BF131730.D
Acq: 21 Dec 2022 00:19

Tgt Ion:112 Resp: 482775
Ion Ratio Lower Upper
112 100
64 65.0 49.5 74.3
63 36.3 28.2 42.2

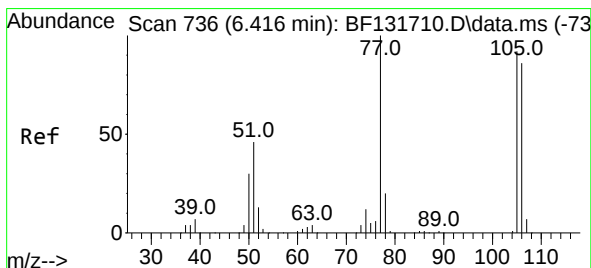
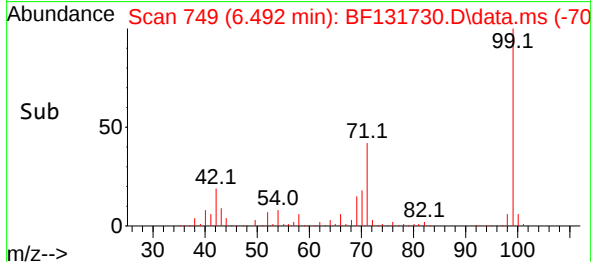
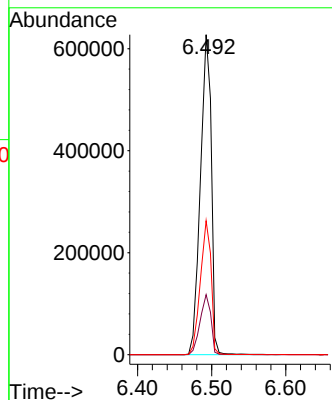
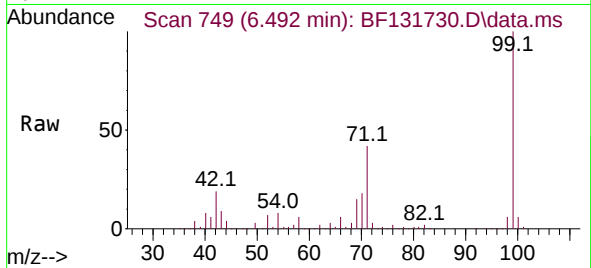




#7
Phenol-d6
Concen: 104.117 ng
RT: 6.492 min Scan# 749
Delta R.T. -0.012 min
Lab File: BF131730.D
Acq: 21 Dec 2022 00:19

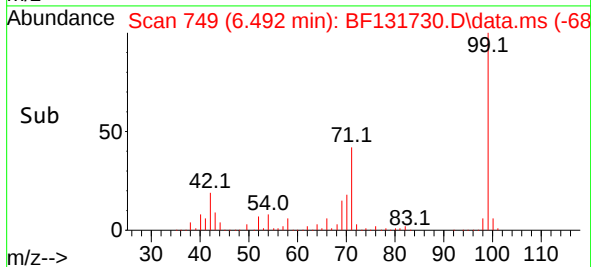
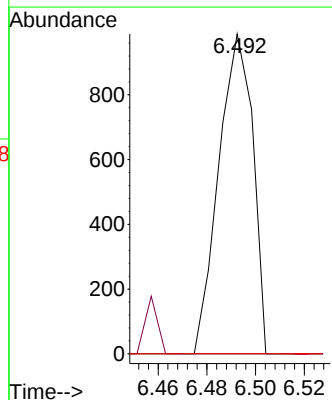
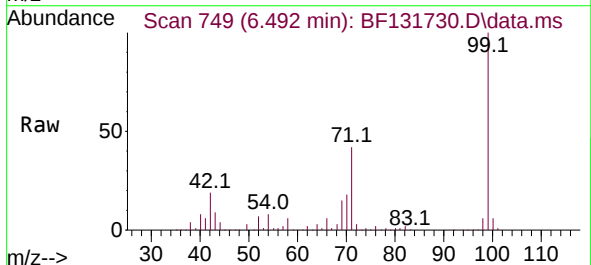
Instrument :
BNA_F
ClientSampleId :
RB-24-(1-3)

Tgt Ion: 99 Resp: 638996
Ion Ratio Lower Upper
99 100
42 18.7 14.8 22.2
71 41.9 33.8 50.6



#9
Benzaldehyde
Concen: Below Cal
RT: 6.492 min Scan# 749
Delta R.T. 0.076 min
Lab File: BF131730.D
Acq: 21 Dec 2022 00:19

Tgt Ion: 77 Resp: 960
Ion Ratio Lower Upper
77 100
105 0.0 72.4 112.4#
106 0.0 66.5 106.5#

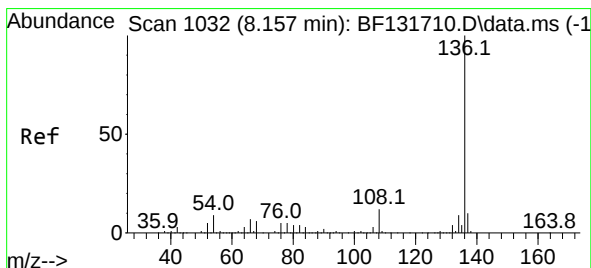
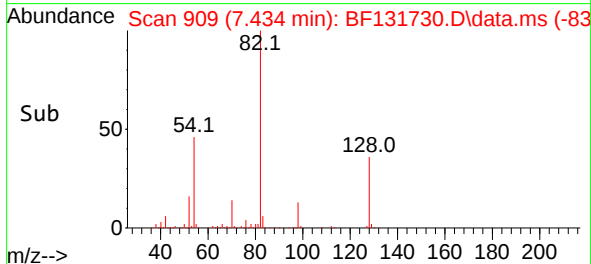
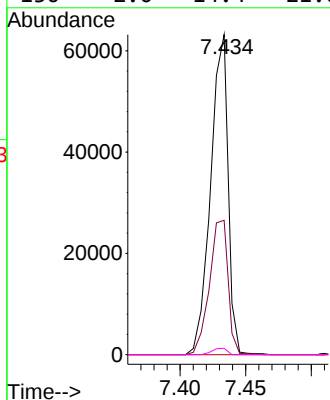
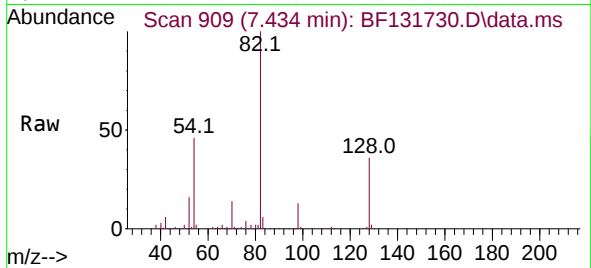




#19
n-Nitroso-di-n-propylamine
Concen: 13.255 ng
RT: 7.434 min Scan# 90
Delta R.T. 0.141 min
Lab File: BF131730.D
Acq: 21 Dec 2022 00:19

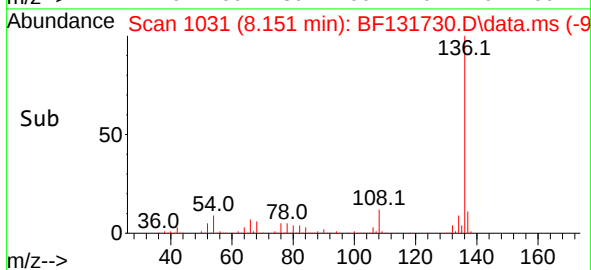
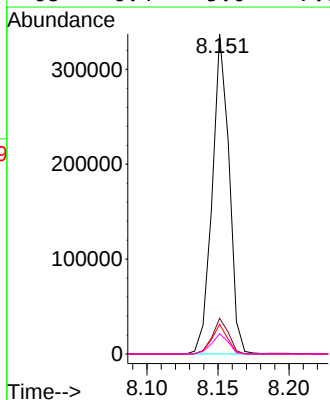
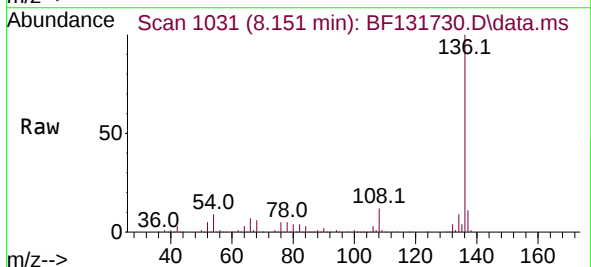
Instrument :
BNA_F
ClientSampleId :
RB-24-(1-3)

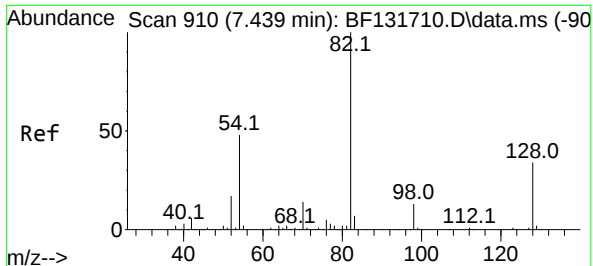
Tgt Ion:	70	Resp:	58669
Ion	Ratio	Lower	Upper
70	100		
42	42.0	41.5	62.3
101	0.0	7.3	10.9#
130	2.0	14.4	21.6#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.151 min Scan# 1031
Delta R.T. -0.006 min
Lab File: BF131730.D
Acq: 21 Dec 2022 00:19

Tgt Ion:	136	Resp:	277561
Ion	Ratio	Lower	Upper
136	100		
137	11.2	8.4	12.6
54	9.2	7.2	10.8
68	6.4	5.0	7.6





#23

Nitrobenzene-d5

Concen: 63.958 ng

RT: 7.434 min Scan# 909

Delta R.T. -0.006 min

Lab File: BF131730.D

Acq: 21 Dec 2022 00:19

Instrument :

BNA_F

ClientSampleId :

RB-24-(1-3)

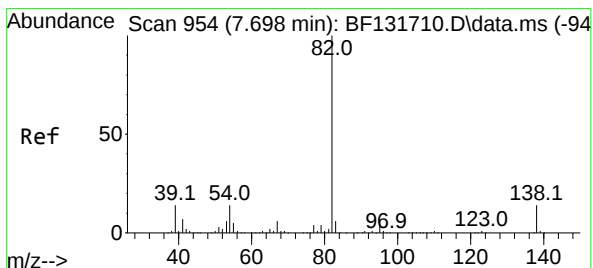
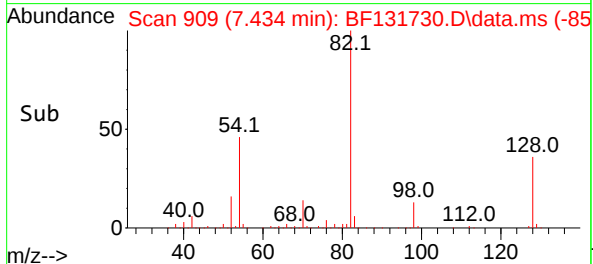
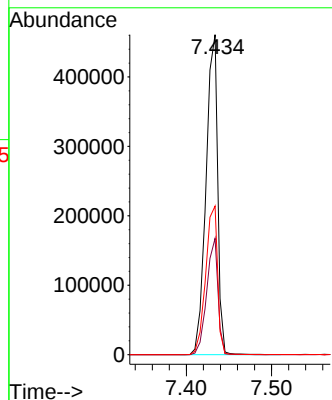
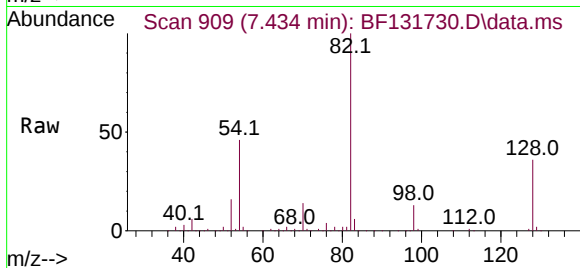
Tgt Ion: 82 Resp: 437285

Ion Ratio Lower Upper

82 100

128 36.4 27.3 40.9

54 46.4 38.2 57.2



#25

Isophorone

Concen: 37.566 ng

RT: 7.434 min Scan# 909

Delta R.T. -0.265 min

Lab File: BF131730.D

Acq: 21 Dec 2022 00:19

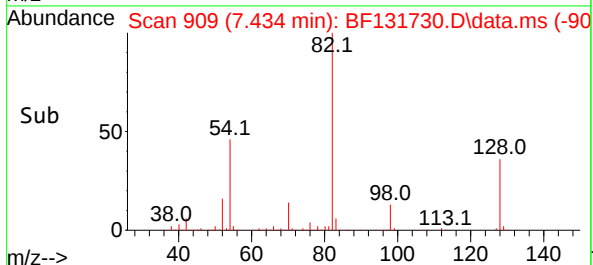
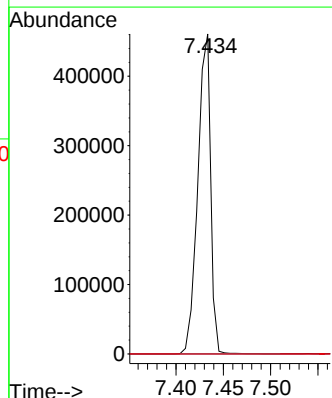
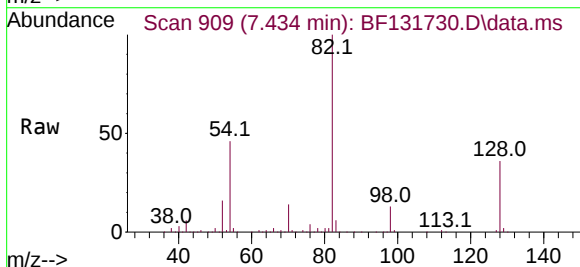
Tgt Ion: 82 Resp: 436185

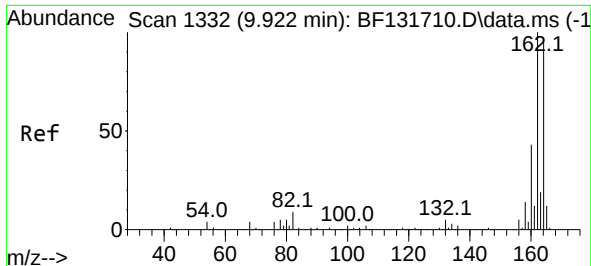
Ion Ratio Lower Upper

82 100

95 0.0 5.8 8.6#

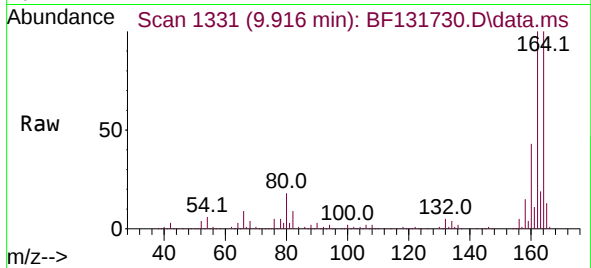
138 0.0 11.6 17.4#



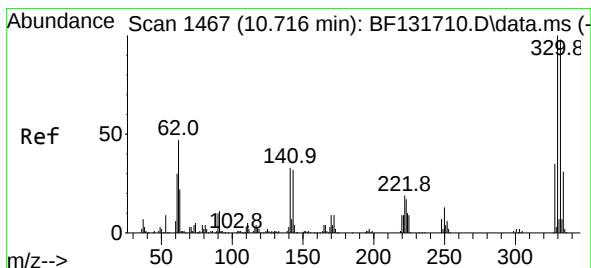
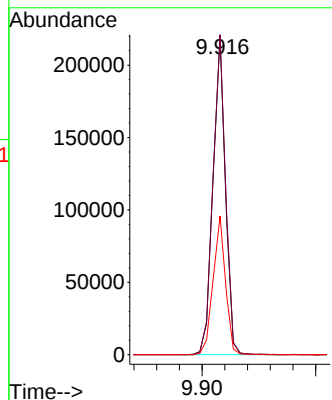
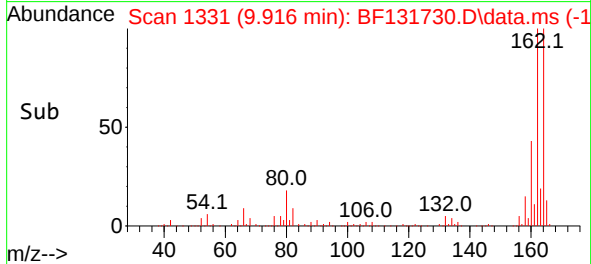


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.916 min Scan# 1331
Delta R.T. -0.006 min
Lab File: BF131730.D
Acq: 21 Dec 2022 00:19

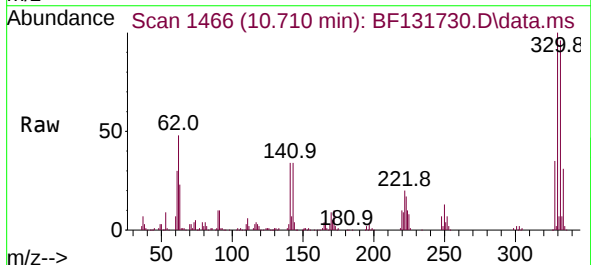
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RB-24-(1-3)



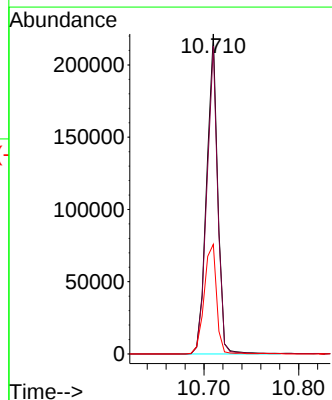
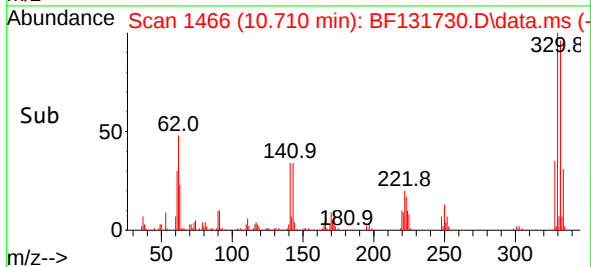
Tgt Ion:164 Resp: 166292
Ion Ratio Lower Upper
164 100
162 100.5 83.7 125.5
160 43.6 36.2 54.4

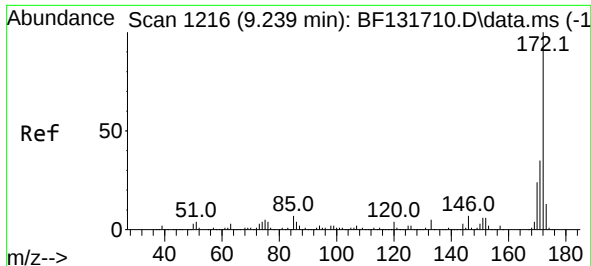


#42
2,4,6-Tribromophenol
Concen: 98.198 ng
RT: 10.710 min Scan# 1466
Delta R.T. -0.006 min
Lab File: BF131730.D
Acq: 21 Dec 2022 00:19



Tgt Ion:330 Resp: 178734
Ion Ratio Lower Upper
330 100
332 95.6 77.1 115.7
141 38.4 30.4 45.6

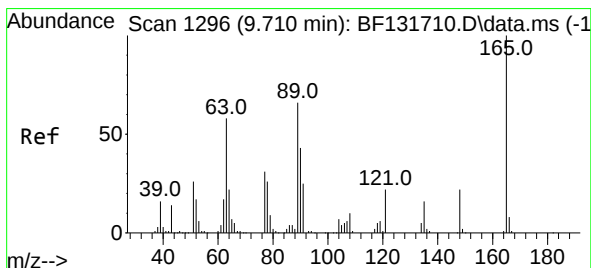
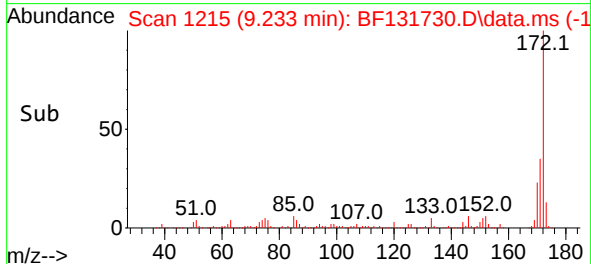
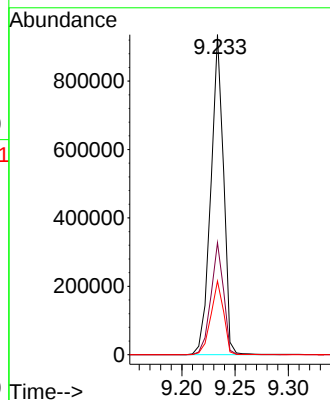
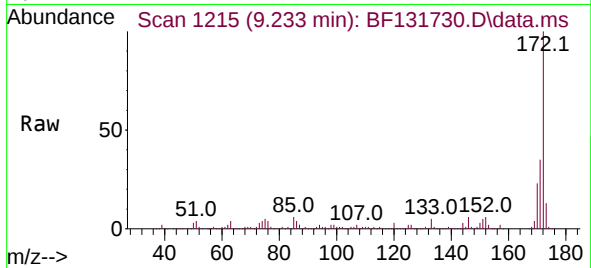




#45
2-Fluorobiphenyl
Concen: 65.431 ng
RT: 9.233 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF131730.D
Acq: 21 Dec 2022 00:19

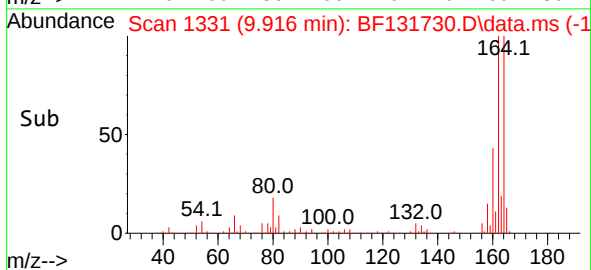
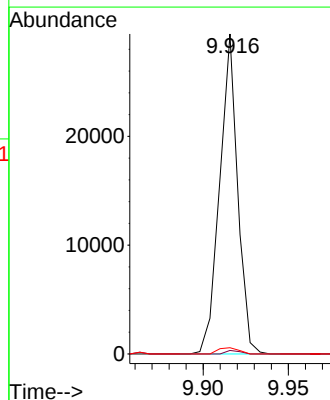
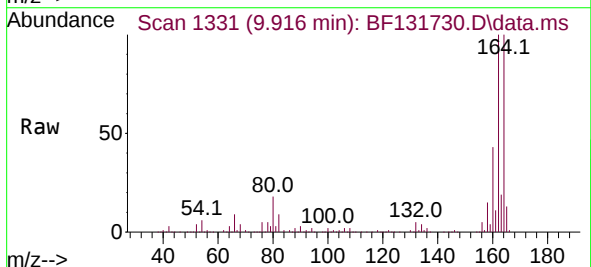
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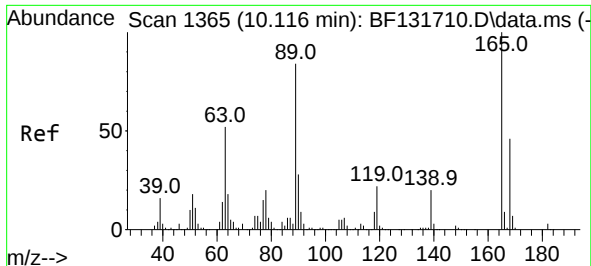
Tgt Ion:172 Resp: 776738
Ion Ratio Lower Upper
172 100
171 35.0 27.9 41.9
170 23.0 19.0 28.4



#51
2,6-Dinitrotoluene
Concen: 8.037 ng
RT: 9.916 min Scan# 1331
Delta R.T. 0.206 min
Lab File: BF131730.D
Acq: 21 Dec 2022 00:19

Tgt Ion:165 Resp: 21623
Ion Ratio Lower Upper
165 100
63 1.1 51.8 77.8#
89 1.9 53.2 79.8#

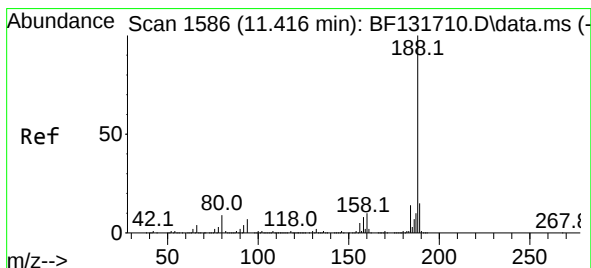
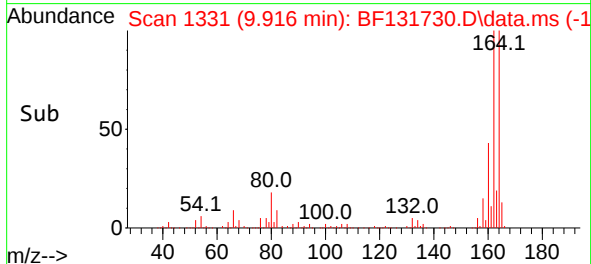
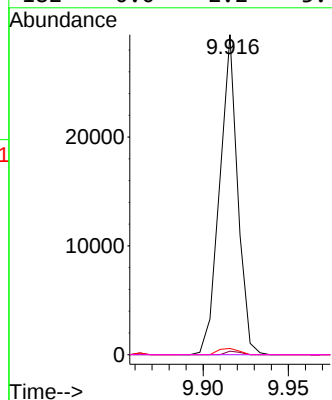
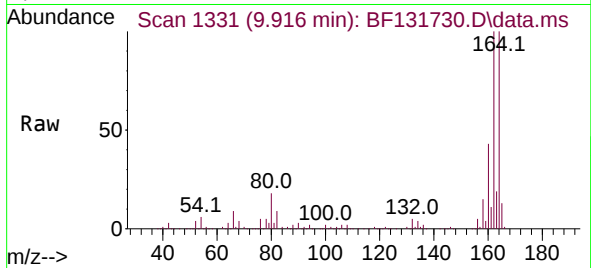




#57
2,4-Dinitrotoluene
Concen: 5.981 ng
RT: 9.916 min Scan# 11
Delta R.T. -0.200 min
Lab File: BF131730.D
Acq: 21 Dec 2022 00:19

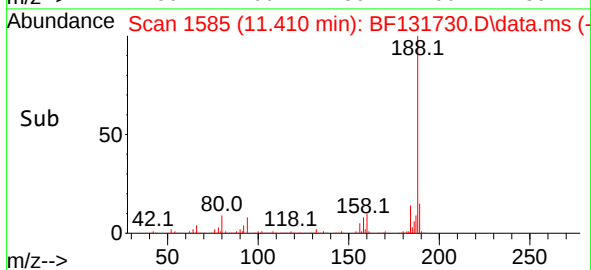
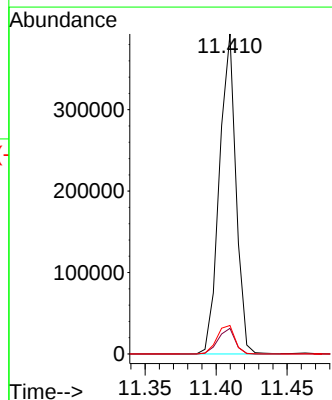
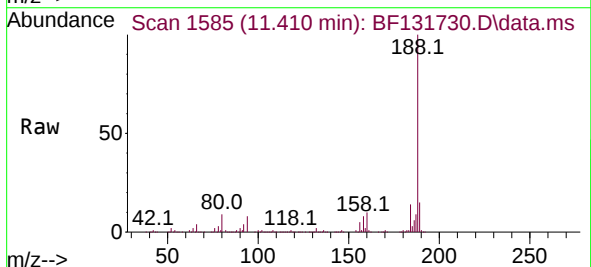
Instrument :
BNA_F
ClientSampleId :
RB-24-(1-3)

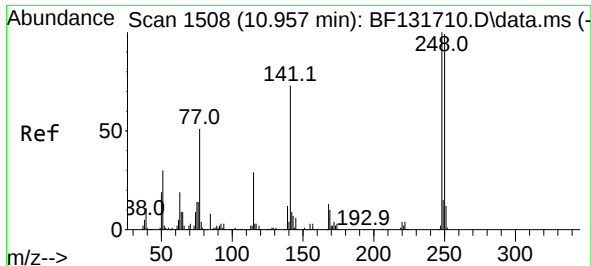
Tgt Ion:165 Resp: 21623
Ion Ratio Lower Upper
165 100
63 1.1 41.5 62.3#
89 1.9 67.0 100.4#
182 0.0 2.2 3.4#



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.410 min Scan# 1585
Delta R.T. -0.006 min
Lab File: BF131730.D
Acq: 21 Dec 2022 00:19

Tgt Ion:188 Resp: 319185
Ion Ratio Lower Upper
188 100
94 8.0 5.9 8.9
80 8.9 7.0 10.6

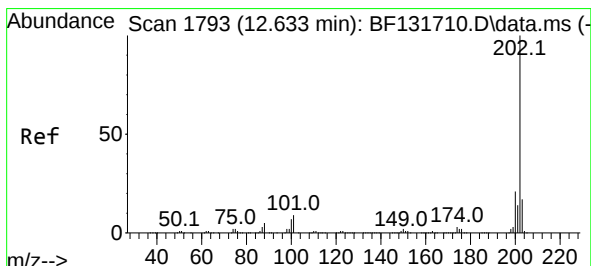
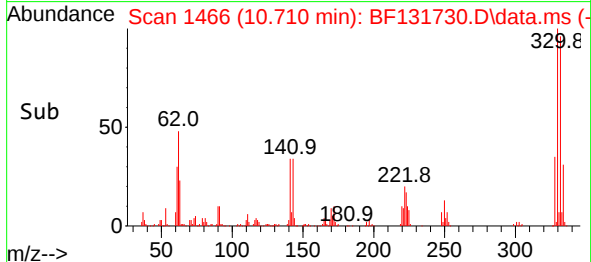
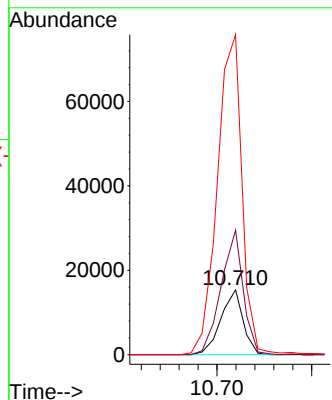
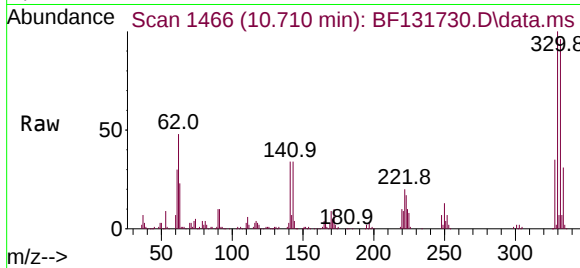




#67
4-Bromophenyl-phenylether
Concen: 3.327 ng
RT: 10.710 min Scan# 1466
Delta R.T. -0.247 min
Lab File: BF131730.D
Acq: 21 Dec 2022 00:19

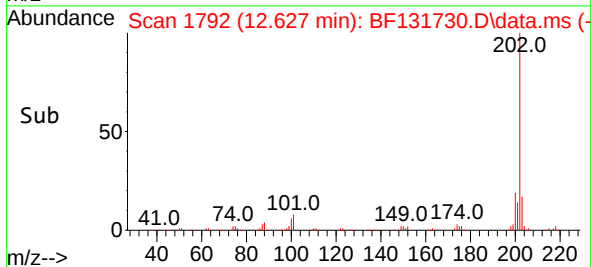
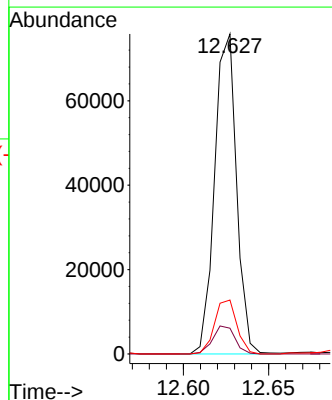
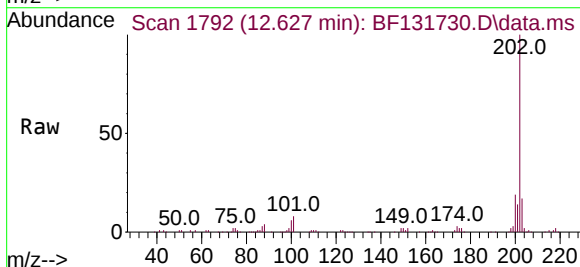
Instrument :
BNA_F
ClientSampleId :
RB-24-(1-3)

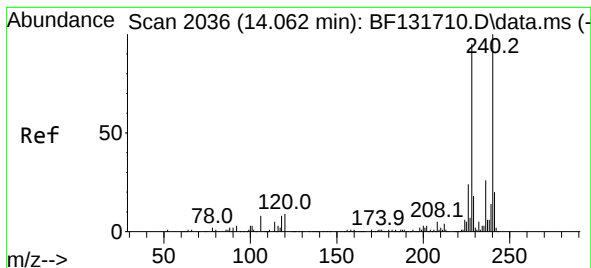
Tgt Ion:248 Resp: 12543
Ion Ratio Lower Upper
248 100
250 192.1 79.4 119.0#
141 493.9 58.1 87.1#



#75
Fluoranthene
Concen: 3.506 ng
RT: 12.627 min Scan# 1792
Delta R.T. -0.006 min
Lab File: BF131730.D
Acq: 21 Dec 2022 00:19

Tgt Ion:202 Resp: 67951
Ion Ratio Lower Upper
202 100
101 8.1 0.0 28.8
203 16.8 0.0 37.1





#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.057 min Scan# 2035

Delta R.T. -0.006 min

Lab File: BF131730.D

Acq: 21 Dec 2022 00:19

Instrument :

BNA_F

ClientSampleId :

RB-24-(1-3)

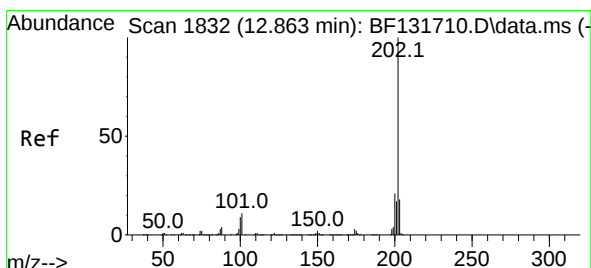
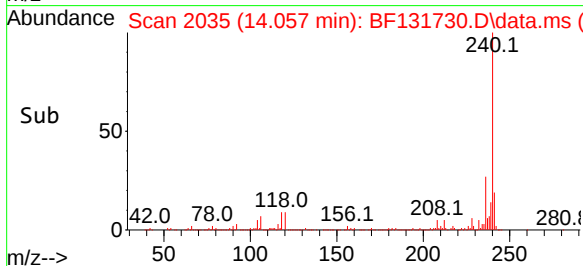
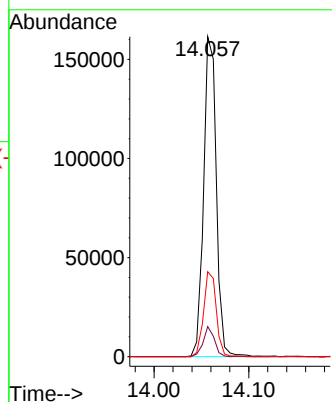
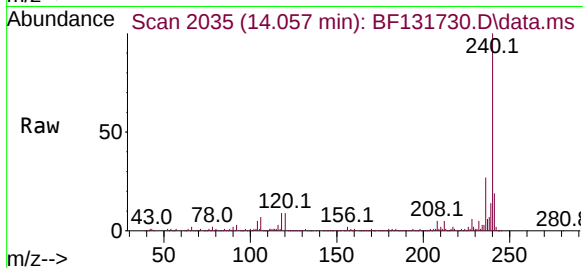
Tgt Ion:240 Resp: 151062

Ion Ratio Lower Upper

240 100

120 9.4 7.6 11.4

236 26.6 21.2 31.8



#78

Pyrene

Concen: 4.690 ng

RT: 12.857 min Scan# 1831

Delta R.T. -0.006 min

Lab File: BF131730.D

Acq: 21 Dec 2022 00:19

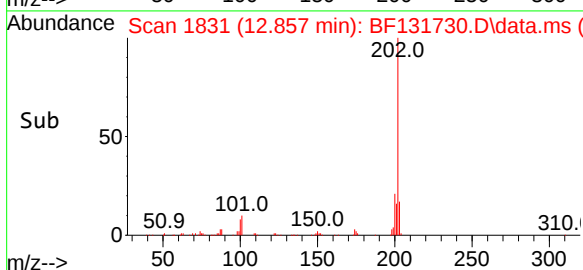
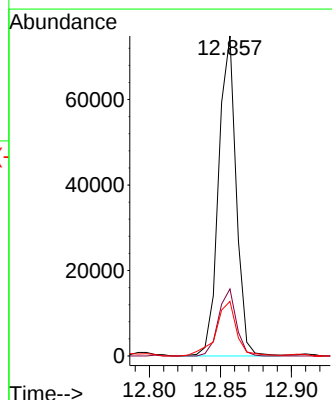
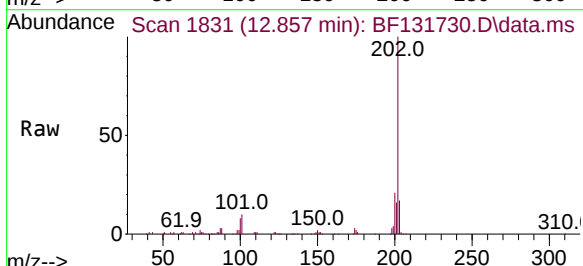
Tgt Ion:202 Resp: 64421

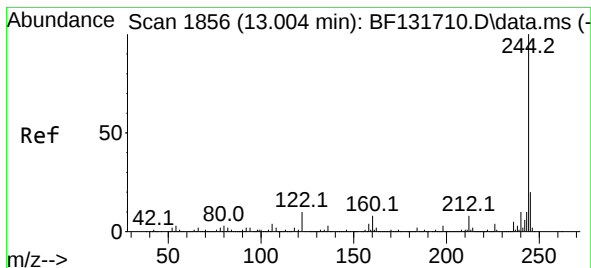
Ion Ratio Lower Upper

202 100

200 20.9 17.1 25.7

203 17.0 14.1 21.1





#79

Terphenyl-d14

Concen: 87.006 ng

RT: 13.004 min Scan# 1856

Delta R.T. 0.000 min

Lab File: BF131730.D

Acq: 21 Dec 2022 00:19

Instrument :

BNA_F

ClientSampleId :

RB-24-(1-3)

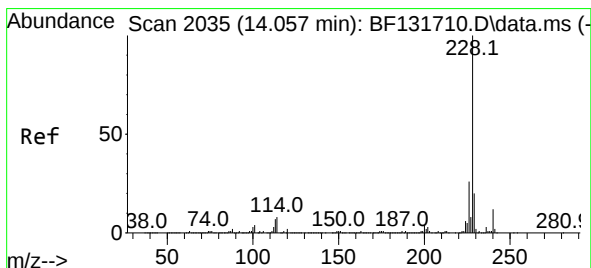
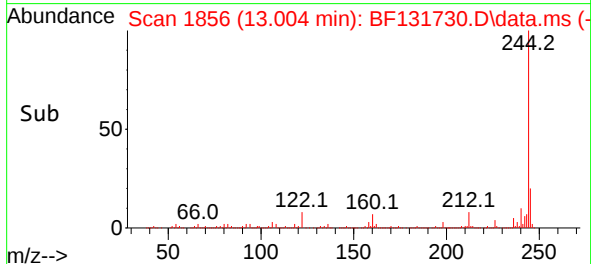
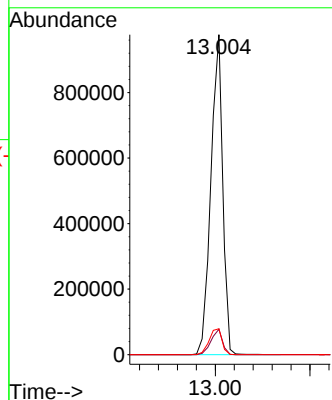
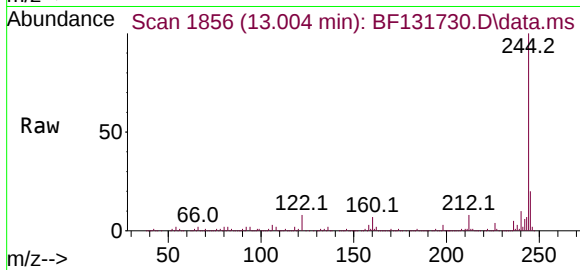
Tgt Ion:244 Resp: 843320

Ion Ratio Lower Upper

244 100

212 8.0 6.5 9.7

122 8.1 7.7 11.5



#81

Benzo(a)anthracene

Concen: 2.104 ng

RT: 14.051 min Scan# 2034

Delta R.T. -0.006 min

Lab File: BF131730.D

Acq: 21 Dec 2022 00:19

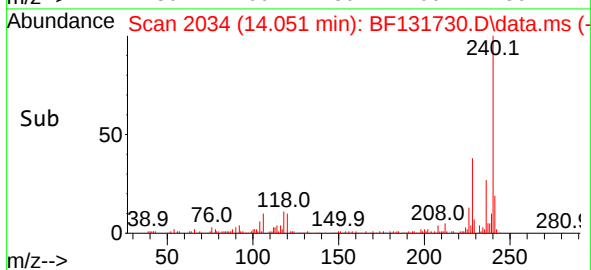
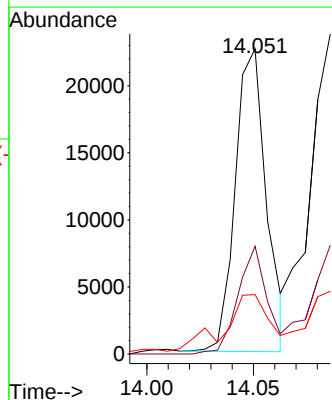
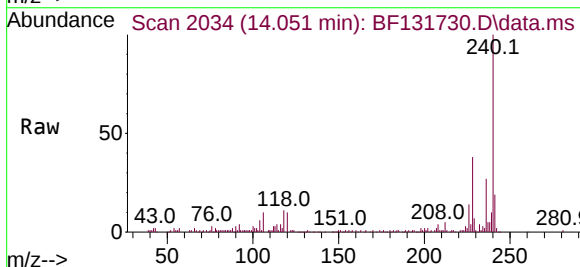
Tgt Ion:228 Resp: 22892

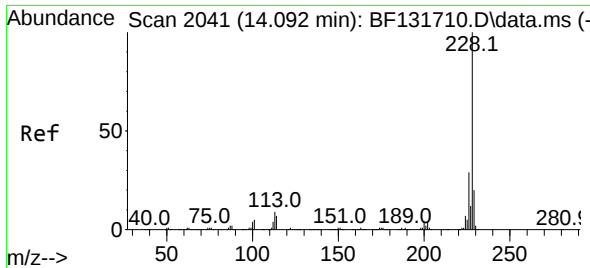
Ion Ratio Lower Upper

228 100

226 35.3 21.0 31.4#

229 19.5 15.8 23.8





#83

Chrysene

Concen: 2.400 ng

RT: 14.086 min Scan# 2040

Delta R.T. -0.006 min

Lab File: BF131730.D

Acq: 21 Dec 2022 00:19

Instrument :

BNA_F

ClientSampleId :

RB-24-(1-3)

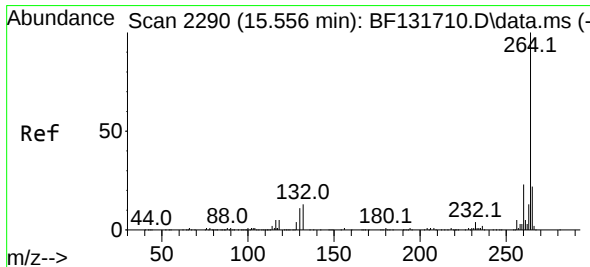
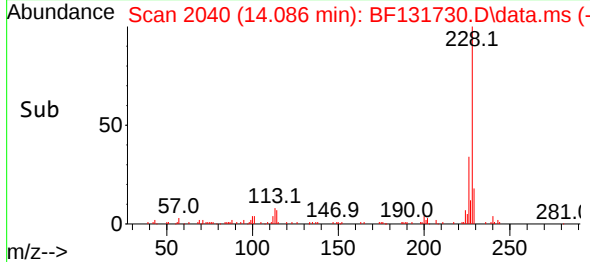
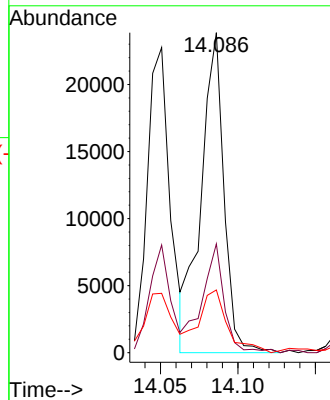
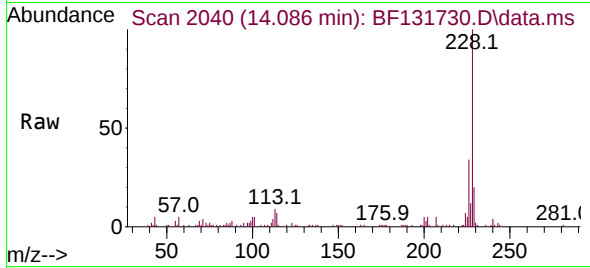
Tgt Ion:228 Resp: 24642

Ion Ratio Lower Upper

228 100

226 34.0 23.5 35.3

229 19.6 15.6 23.4



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.557 min Scan# 2290

Delta R.T. 0.000 min

Lab File: BF131730.D

Acq: 21 Dec 2022 00:19

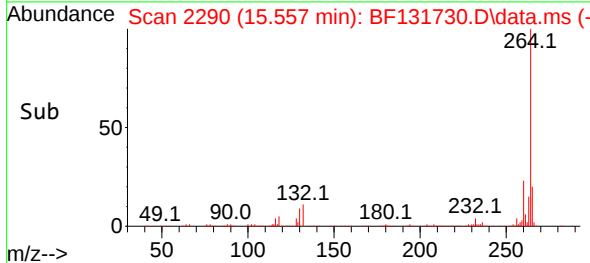
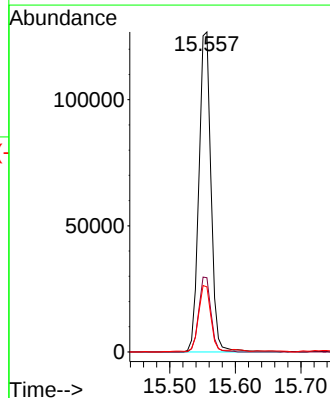
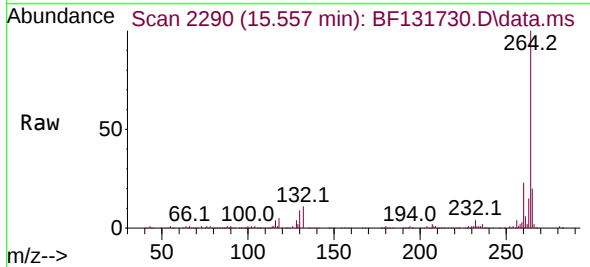
Tgt Ion:264 Resp: 162888

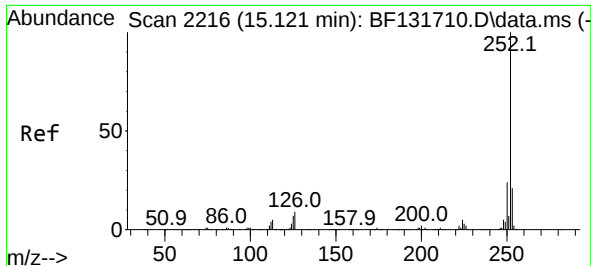
Ion Ratio Lower Upper

264 100

260 23.2 18.6 28.0

265 20.4 17.4 26.2

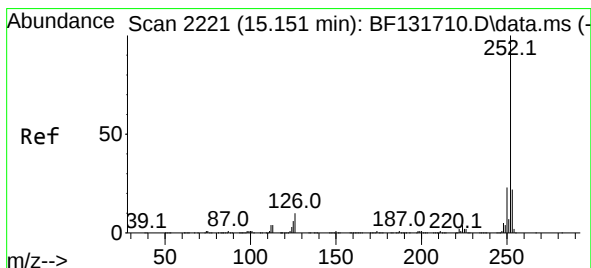
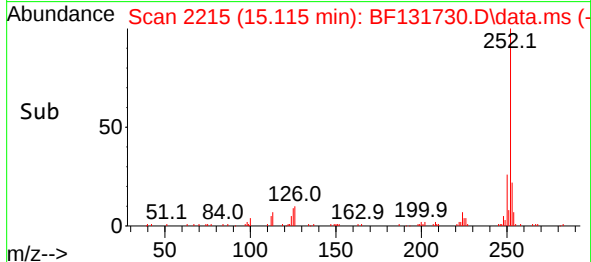
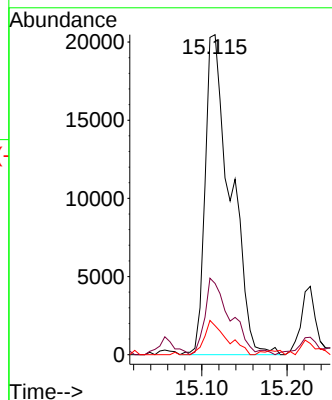
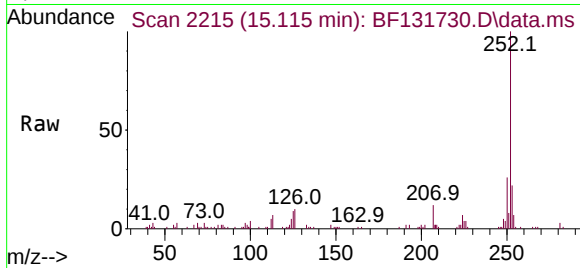




#88
Benzo(b)fluoranthene
Concen: 3.683 ng
RT: 15.115 min Scan# 2216
Delta R.T. -0.006 min
Lab File: BF131730.D
Acq: 21 Dec 2022 00:19

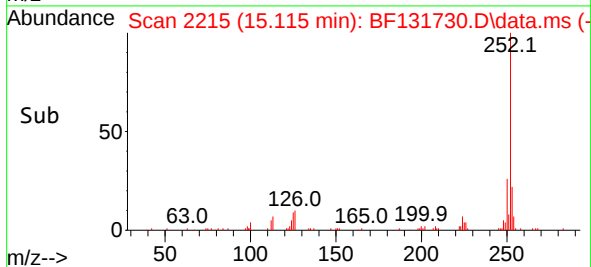
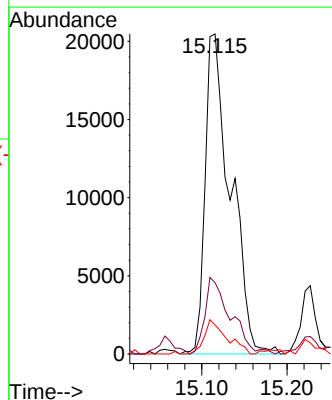
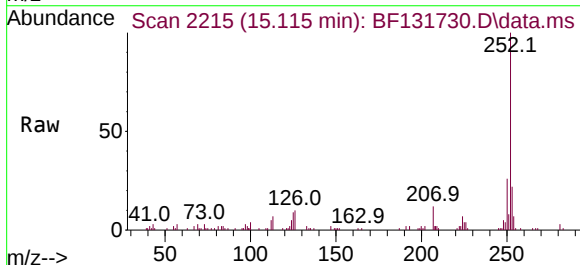
Instrument :
BNA_F
ClientSampleId :
RB-24-(1-3)

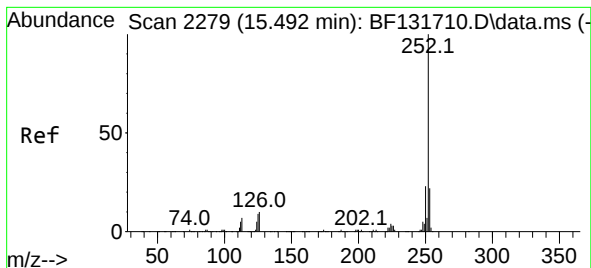
Tgt Ion:252 Resp: 42448
Ion Ratio Lower Upper
252 100
253 22.2 17.2 25.8
125 9.1 5.5 8.3#



#89
Benzo(k)fluoranthene
Concen: 3.775 ng
RT: 15.115 min Scan# 2215
Delta R.T. -0.035 min
Lab File: BF131730.D
Acq: 21 Dec 2022 00:19

Tgt Ion:252 Resp: 42448
Ion Ratio Lower Upper
252 100
253 22.2 17.8 26.8
125 9.1 5.2 7.8#





#90

Benzo(a)pyrene

Concen: 2.615 ng

RT: 15.486 min Scan# 21

Delta R.T. -0.006 min

Lab File: BF131730.D

Acq: 21 Dec 2022 00:19

Instrument :

BNA_F

ClientSampleId :

RB-24-(1-3)

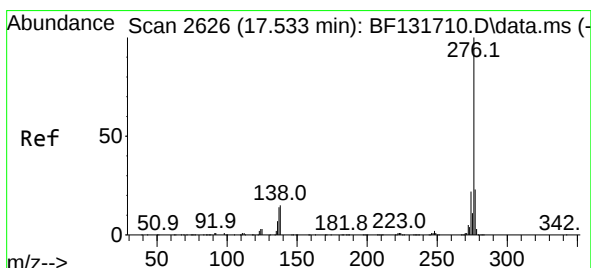
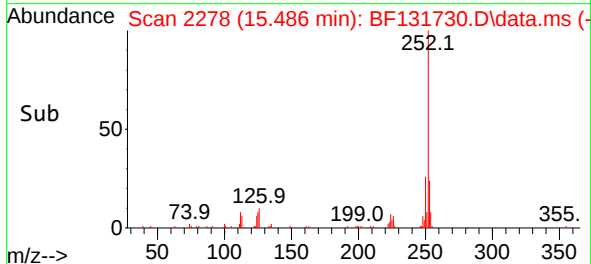
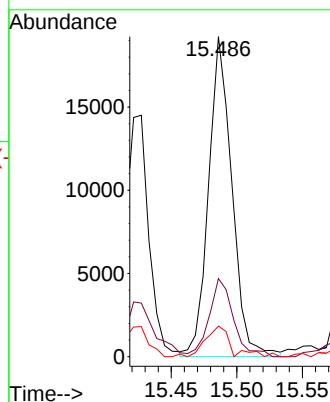
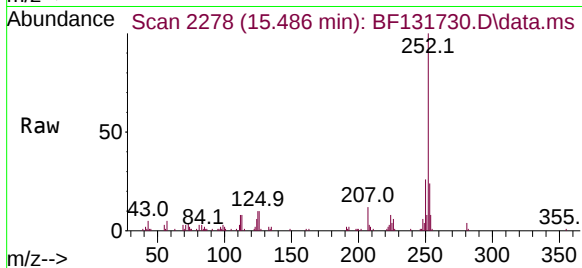
Tgt Ion:252 Resp: 23870

Ion Ratio Lower Upper

252 100

253 24.4 17.5 26.3

125 9.6 7.0 10.4



#92

Benzo(g,h,i)perylene

Concen: 2.189 ng

RT: 17.509 min Scan# 2622

Delta R.T. -0.023 min

Lab File: BF131730.D

Acq: 21 Dec 2022 00:19

Tgt Ion:276 Resp: 19560

Ion Ratio Lower Upper

276 100

277 25.3 18.3 27.5

138 14.9 12.3 18.5

