

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF110222\
 Data File : BF130952.D
 Acq On : 03 Nov 2022 03:01
 Operator : CG\JU
 Sample : N5396-16
 Misc :
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TP-H

Quant Time: Nov 03 03:53:30 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF102722.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Nov 03 03:37:09 2022
 Response via : Initial Calibration

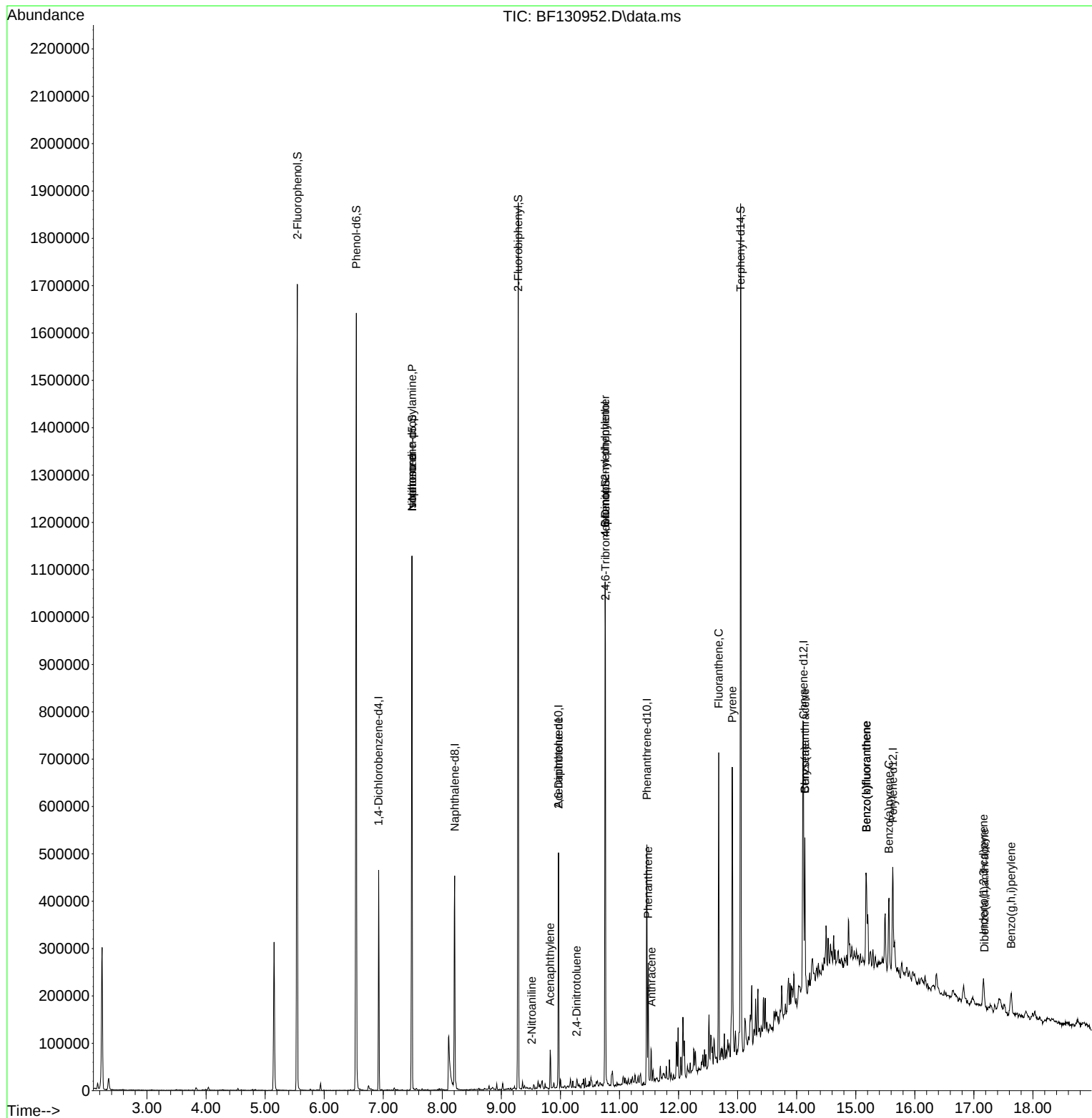
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.922	152	53761	20.000	ng	0.00
21) Naphthalene-d8	8.210	136	176627	20.000	ng	# 0.00
39) Acenaphthene-d10	9.969	164	83176	20.000	ng	0.00
64) Phenanthrene-d10	11.463	188	162465	20.000	ng	0.00
76) Chrysene-d12	14.116	240	148342	20.000	ng	0.00
86) Perylene-d12	15.627	264	101200	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.545	112	413048	133.194	ng	0.00
7) Phenol-d6	6.545	99	488634	121.253	ng	0.00
23) Nitrobenzene-d5	7.487	82	318133	108.608	ng	0.00
42) 2,4,6-Tribromophenol	10.763	330	114499	163.529	ng	0.00
45) 2-Fluorobiphenyl	9.286	172	493748	89.748	ng	0.00
79) Terphenyl-d14	13.051	244	611000	75.476	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propyla...	7.487	70	44209	16.124	ng	# 80
25) Isophorone	7.487	82	318129	52.667	ng	# 66
48) 2-Nitroaniline	9.516	65	69	4.188	ng	# 12
49) Acenaphthylene	9.828	152	30394	4.048	ng	98
51) 2,6-Dinitrotoluene	9.969	165	11817	13.038	ng	# 15
57) 2,4-Dinitrotoluene	10.275	165	851	4.282	ng	# 47
65) 4,6-Dinitro-2-methylph...	10.757	198	377	8.392	ng	# 1
67) 4-Bromophenyl-phenylether	10.757	248	7616	4.661	ng	# 1
71) Phenanthrene	11.486	178	82541	9.843	ng	99
72) Anthracene	11.539	178	27159	3.284	ng	99
75) Fluoranthene	12.680	202	221546	24.867	ng	98
78) Pyrene	12.910	202	233937	18.692	ng	99
81) Benzo(a)anthracene	14.139	228	127093	12.922	ng	94
83) Chrysene	14.139	228	127093	13.397	ng	98
87) Indeno(1,2,3-cd)pyrene	17.162	276	40003	5.952	ng	# 92
88) Benzo(b)fluoranthene	15.180	252	145195	22.195	ng	# 96
89) Benzo(k)fluoranthene	15.180	252	145195	22.777	ng	97
90) Benzo(a)pyrene	15.562	252	70730	13.450	ng	96
91) Dibenzo(a,h)anthracene	17.180	278	11298	2.062	ng	# 81
92) Benzo(g,h,i)perylene	17.633	276	39453	7.059	ng	97

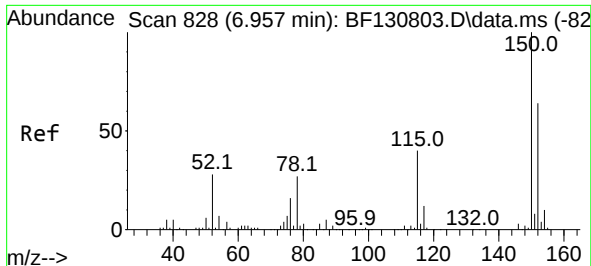
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Thu Nov 03 03:37:09 2022
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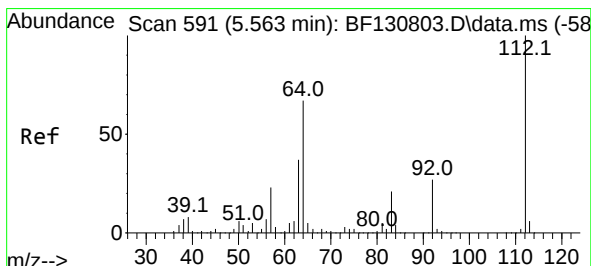
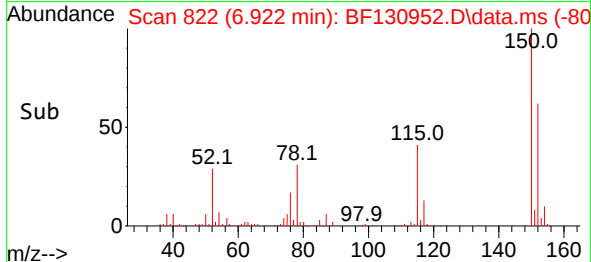
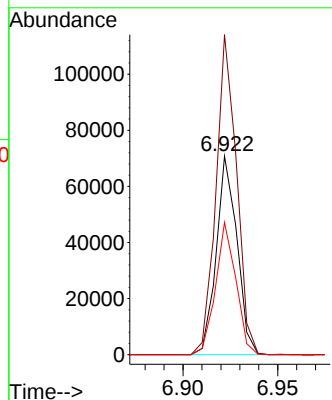
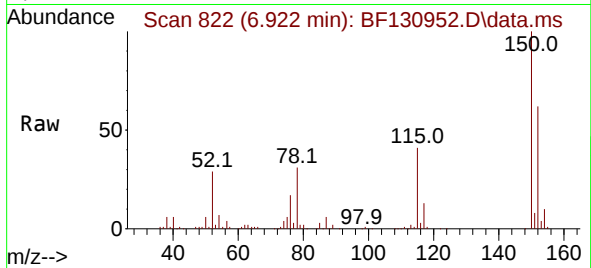




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.922 min Scan# 81
Delta R.T. -0.006 min
Lab File: BF130952.D
Acq: 03 Nov 2022 03:01

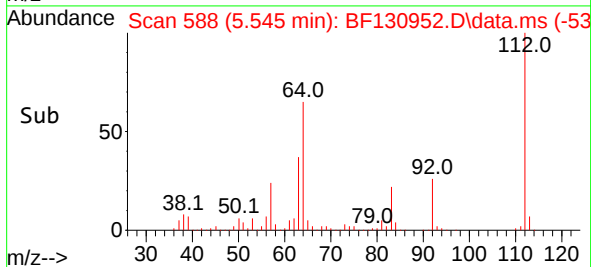
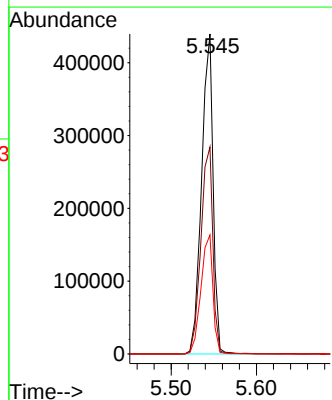
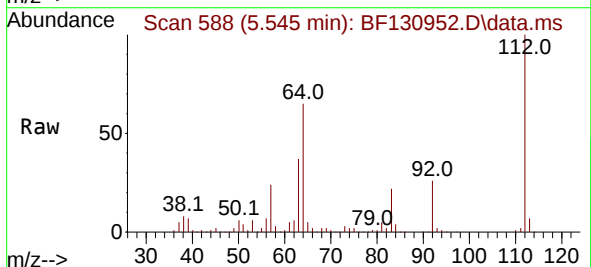
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BNA_F
ClientSampleId :
TP-H

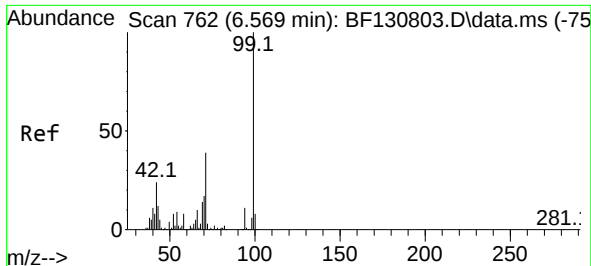
Tgt Ion:152 Resp: 53761
Ion Ratio Lower Upper
152 100
150 161.2 124.1 186.1
115 66.6 50.1 75.1



#5
2-Fluorophenol
Concen: 133.194 ng
RT: 5.545 min Scan# 588
Delta R.T. 0.006 min
Lab File: BF130952.D
Acq: 03 Nov 2022 03:01

Tgt Ion:112 Resp: 413048
Ion Ratio Lower Upper
112 100
64 64.6 53.9 80.9
63 37.2 29.4 44.2

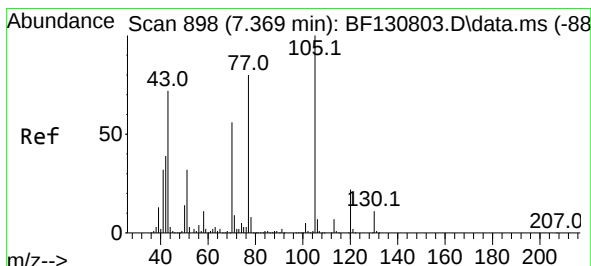
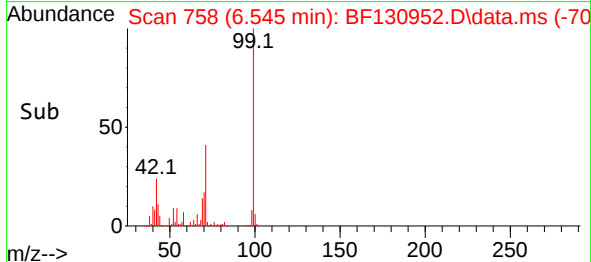
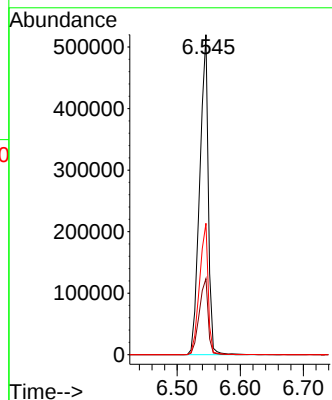
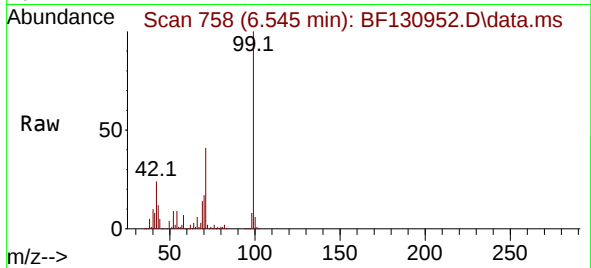




#7
Phenol-d6
Concen: 121.253 ng
RT: 6.545 min Scan# 71
Delta R.T. -0.000 min
Lab File: BF130952.D
Acq: 03 Nov 2022 03:01

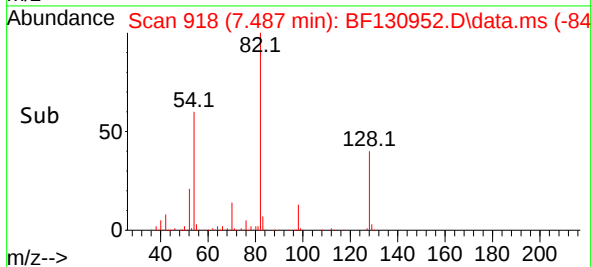
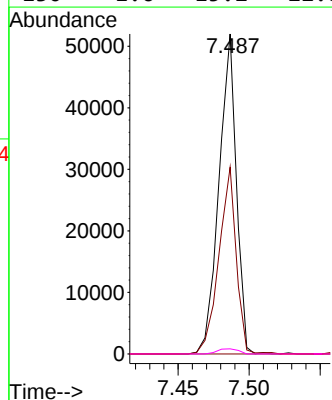
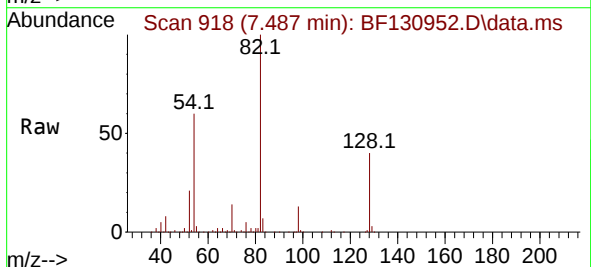
Instrument :
BNA_F
ClientSampleId :
TP-H

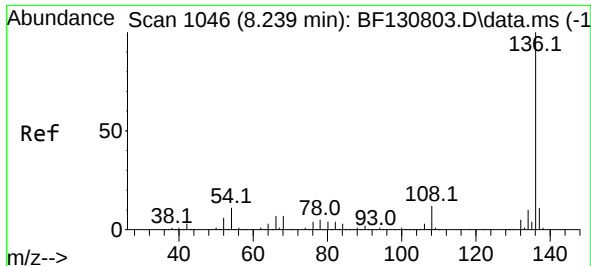
Tgt Ion: 99 Resp: 488634
Ion Ratio Lower Upper
99 100
42 23.7 18.8 28.2
71 41.0 31.4 47.0



#19
n-Nitroso-di-n-propylamine
Concen: 16.124 ng
RT: 7.487 min Scan# 918
Delta R.T. 0.147 min
Lab File: BF130952.D
Acq: 03 Nov 2022 03:01

Tgt Ion: 70 Resp: 44209
Ion Ratio Lower Upper
70 100
42 58.3 56.1 84.1
101 0.0 7.3 10.9#
130 1.6 15.2 22.8#

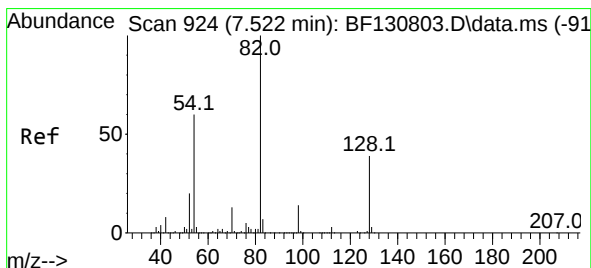
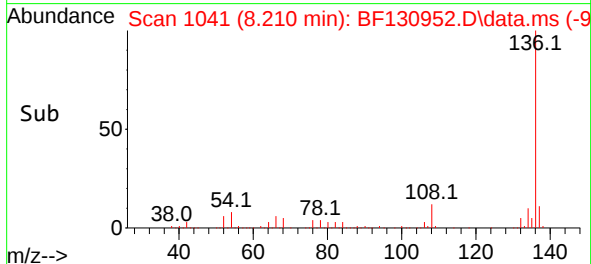
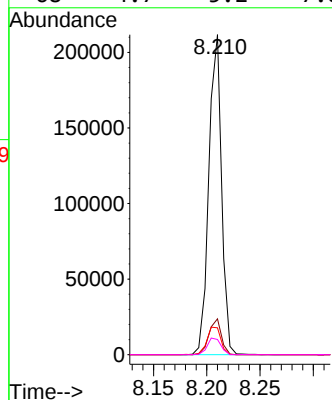
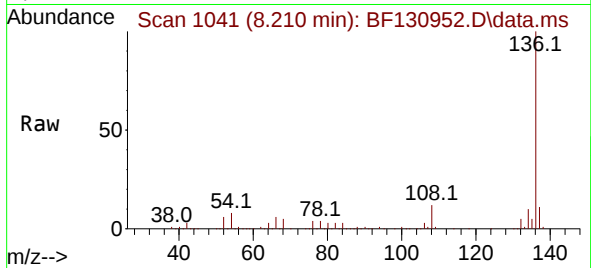




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.210 min Scan# 1046
Delta R.T. -0.006 min
Lab File: BF130952.D
Acq: 03 Nov 2022 03:01

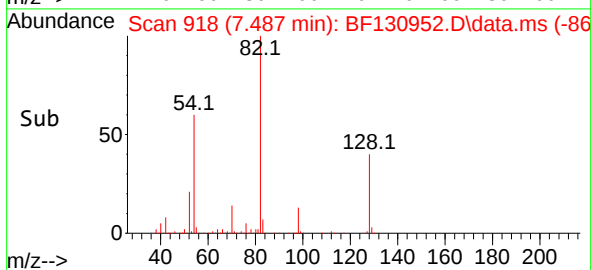
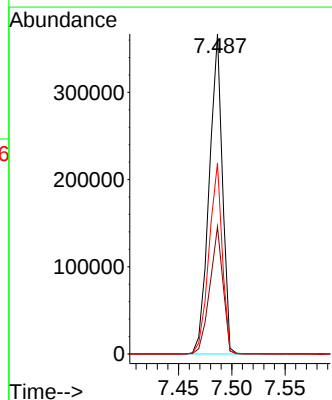
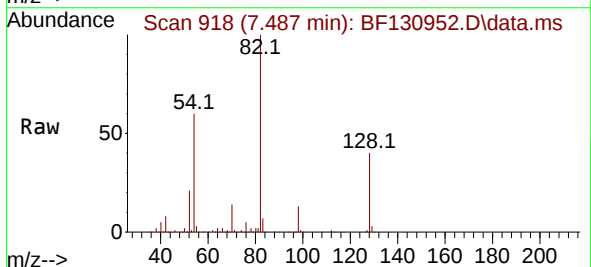
Instrument :
BNA_F
ClientSampleId :
TP-H

Tgt Ion:136 Resp: 176627
Ion Ratio Lower Upper
136 100
137 11.2 9.2 13.8
54 8.4 8.8 13.2#
68 4.7 5.2 7.8#



#23
Nitrobenzene-d5
Concen: 108.608 ng
RT: 7.487 min Scan# 918
Delta R.T. -0.006 min
Lab File: BF130952.D
Acq: 03 Nov 2022 03:01

Tgt Ion: 82 Resp: 318133
Ion Ratio Lower Upper
82 100
128 39.8 31.2 46.8
54 59.7 48.0 72.0

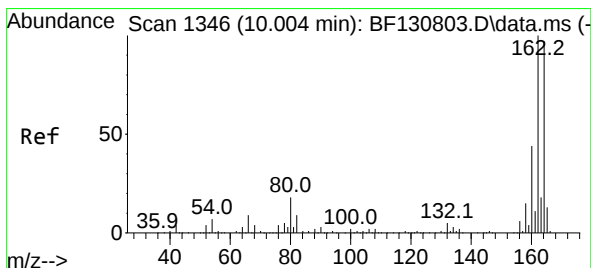
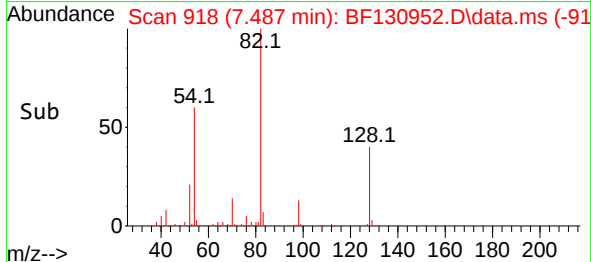
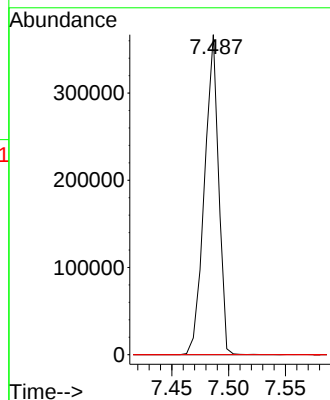
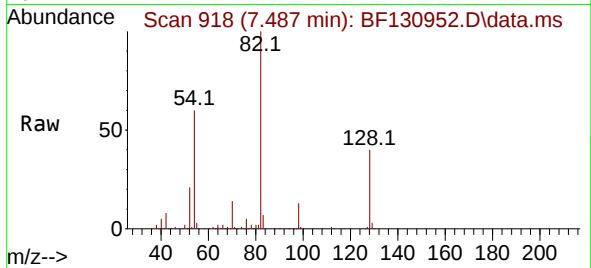




#25
Isophorone
Concen: 52.667 ng
RT: 7.487 min Scan# 91
Delta R.T. -0.265 min
Lab File: BF130952.D
Acq: 03 Nov 2022 03:01

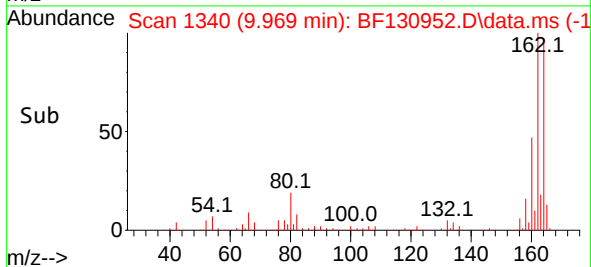
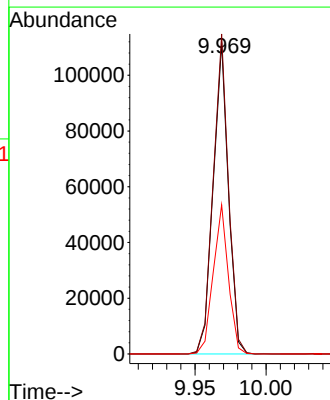
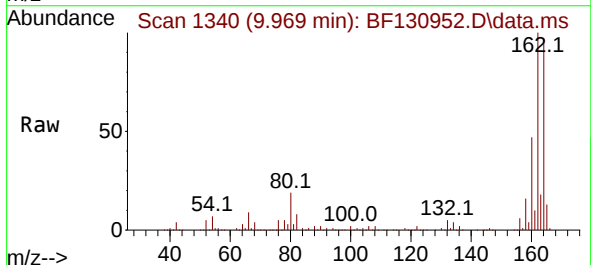
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ClientSampleId :
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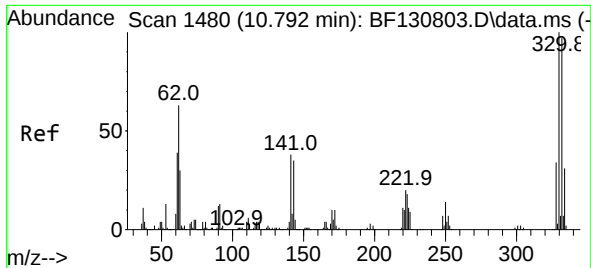
Tgt Ion: 82 Resp: 318129
Ion Ratio Lower Upper
82 100
95 0.0 6.2 9.4#
138 0.0 13.8 20.6#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.969 min Scan# 1340
Delta R.T. -0.006 min
Lab File: BF130952.D
Acq: 03 Nov 2022 03:01

Tgt Ion: 164 Resp: 83176
Ion Ratio Lower Upper
164 100
162 102.8 82.2 123.2
160 47.9 36.6 54.8

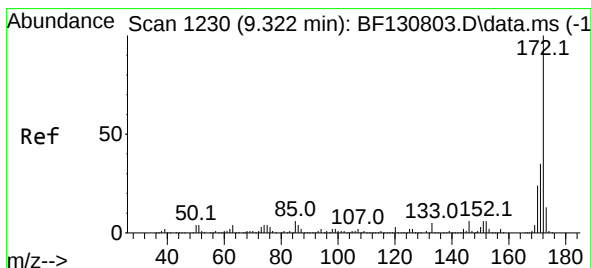
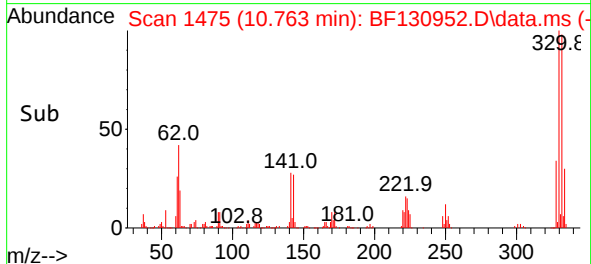
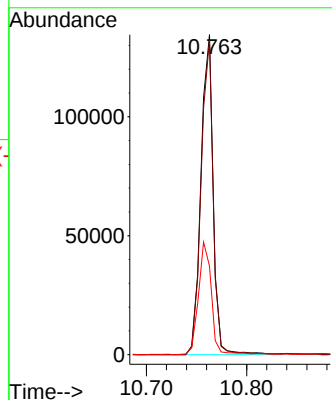
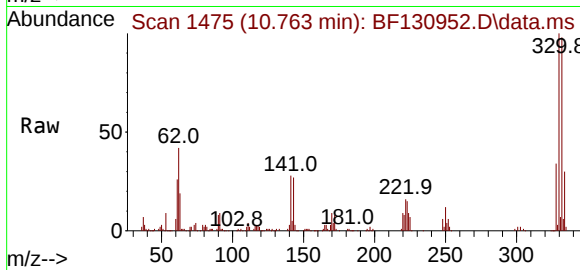




#42
2,4,6-Tribromophenol
Concen: 163.529 ng
RT: 10.763 min Scan# 1480
Delta R.T. -0.006 min
Lab File: BF130952.D
Acq: 03 Nov 2022 03:01

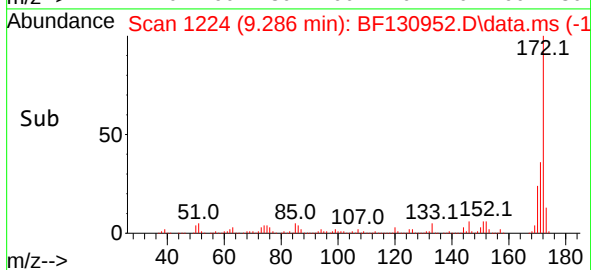
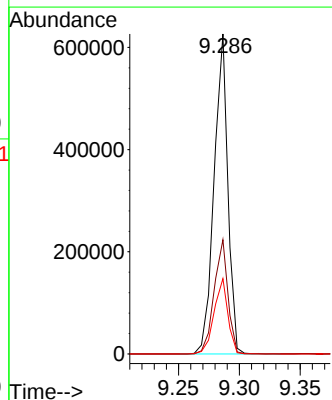
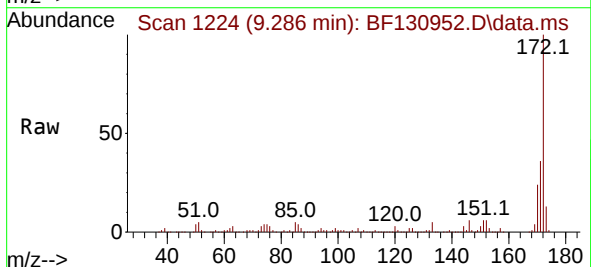
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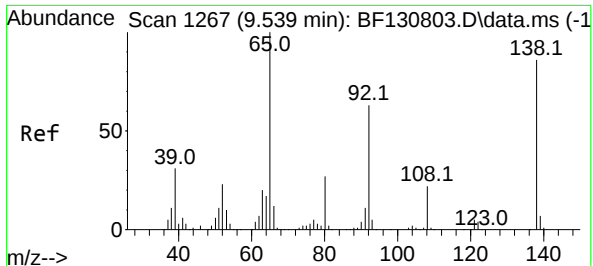
Tgt Ion:330 Resp: 114499
Ion Ratio Lower Upper
330 100
332 96.9 76.2 114.4
141 37.3 31.4 47.0



#45
2-Fluorobiphenyl
Concen: 89.748 ng
RT: 9.286 min Scan# 1224
Delta R.T. -0.006 min
Lab File: BF130952.D
Acq: 03 Nov 2022 03:01

Tgt Ion:172 Resp: 493748
Ion Ratio Lower Upper
172 100
171 35.7 28.1 42.1
170 23.6 19.0 28.4

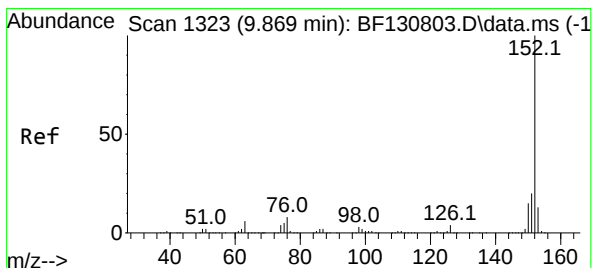
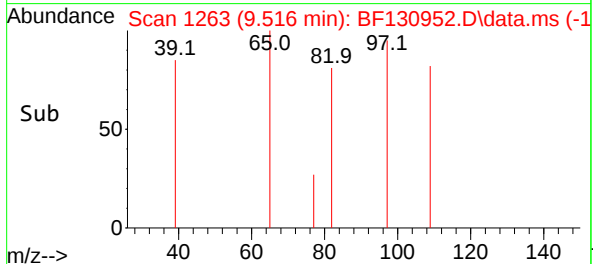
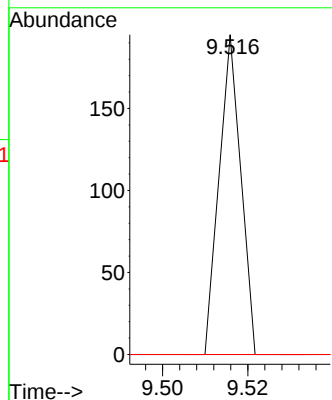
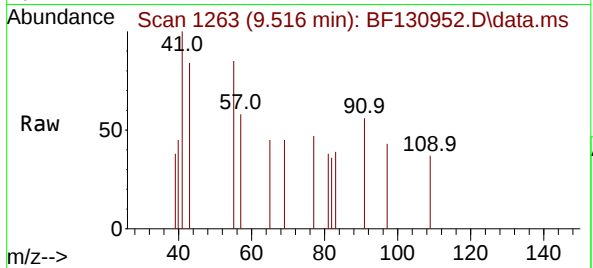




#48
2-Nitroaniline
Concen: 4.188 ng
RT: 9.516 min Scan# 1316
Delta R.T. -0.000 min
Lab File: BF130952.D
Acq: 03 Nov 2022 03:01

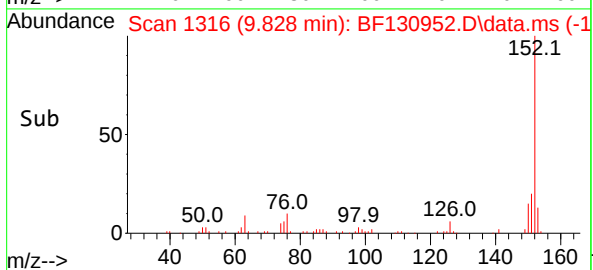
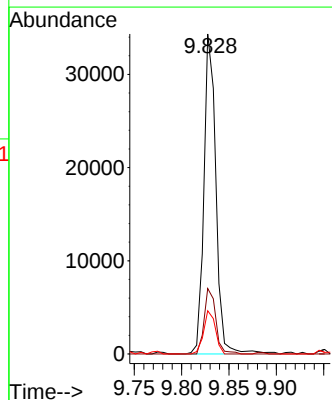
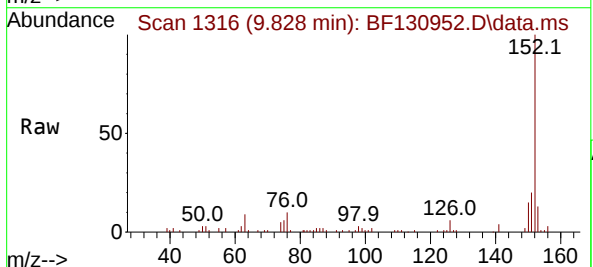
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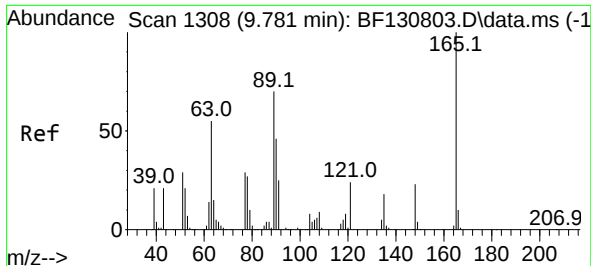
Tgt Ion: 65 Resp: 69
Ion Ratio Lower Upper
65 100
92 0.0 50.1 75.1#
138 0.0 69.2 103.8#



#49
Acenaphthylene
Concen: 4.048 ng
RT: 9.828 min Scan# 1316
Delta R.T. -0.012 min
Lab File: BF130952.D
Acq: 03 Nov 2022 03:01

Tgt Ion: 152 Resp: 30394
Ion Ratio Lower Upper
152 100
151 20.5 15.8 23.8
153 13.5 10.2 15.4

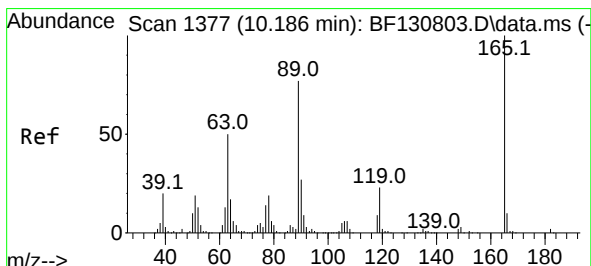
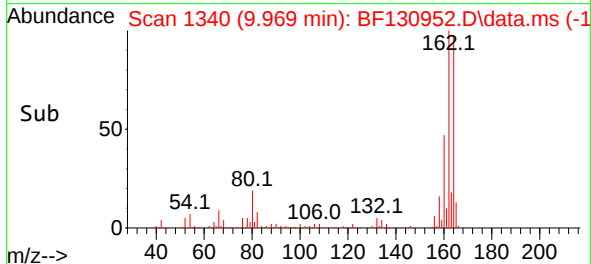
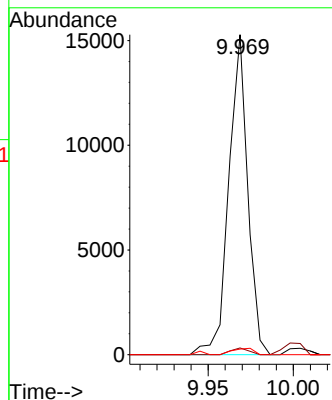
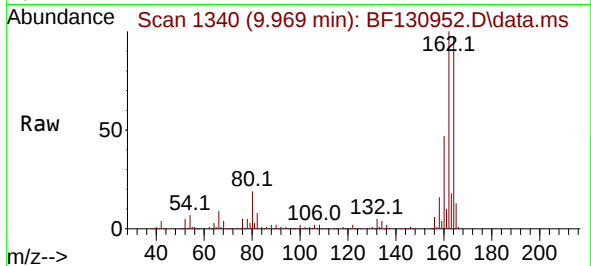




#51
2,6-Dinitrotoluene
Concen: 13.038 ng
RT: 9.969 min Scan# 11
Delta R.T. 0.212 min
Lab File: BF130952.D
Acq: 03 Nov 2022 03:01

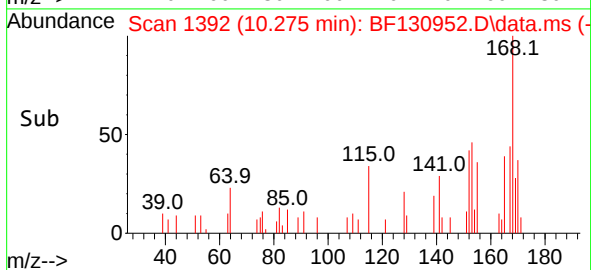
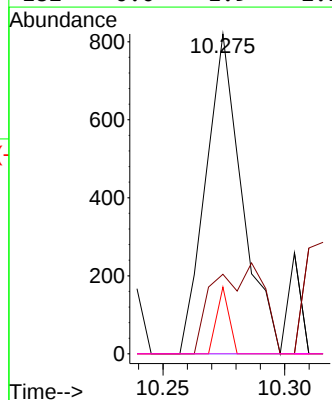
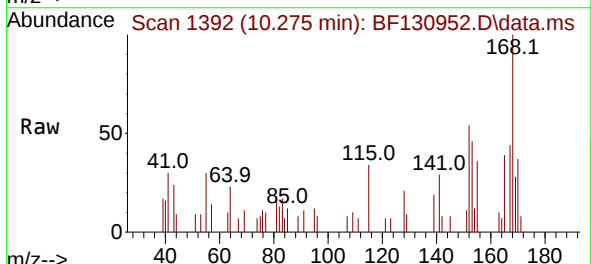
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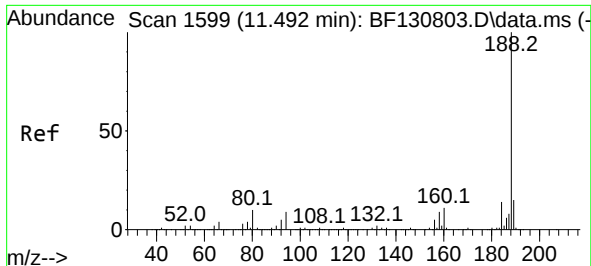
Tgt Ion:165 Resp: 11817
Ion Ratio Lower Upper
165 100
63 2.1 61.8 92.8#
89 1.8 56.2 84.4#



#57
2,4-Dinitrotoluene
Concen: 4.282 ng
RT: 10.275 min Scan# 1392
Delta R.T. 0.112 min
Lab File: BF130952.D
Acq: 03 Nov 2022 03:01

Tgt Ion:165 Resp: 851
Ion Ratio Lower Upper
165 100
63 24.9 39.8 59.6#
89 20.9 61.9 92.9#
182 0.0 1.9 2.9#

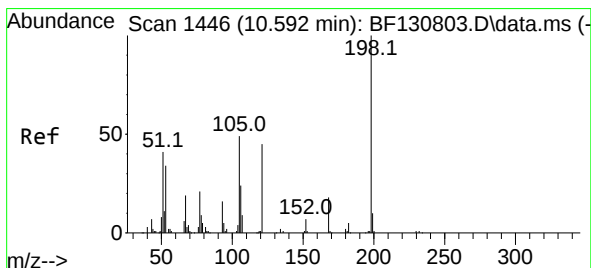
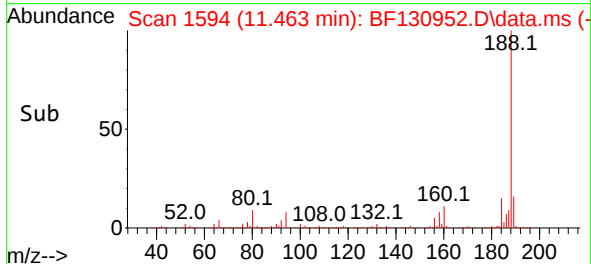
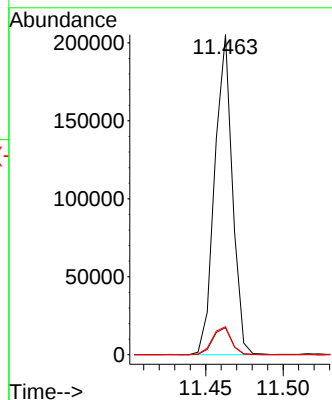
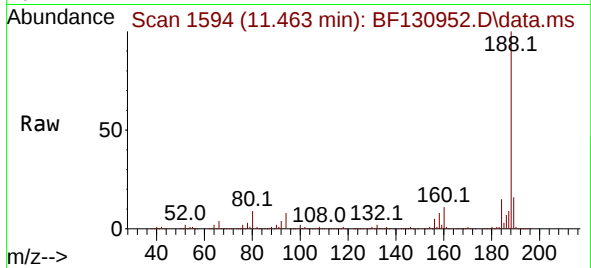




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.463 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF130952.D
Acq: 03 Nov 2022 03:01

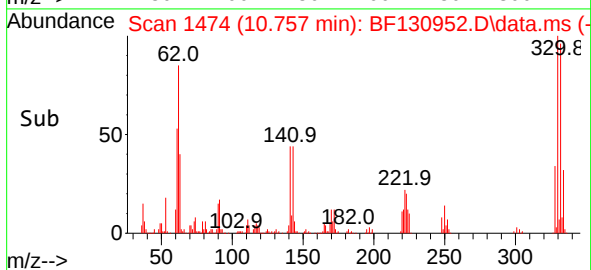
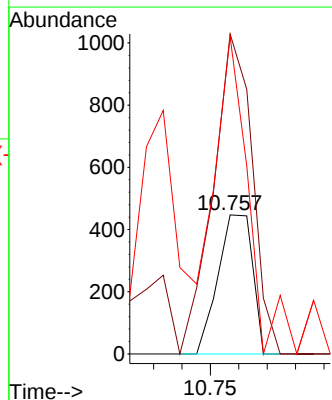
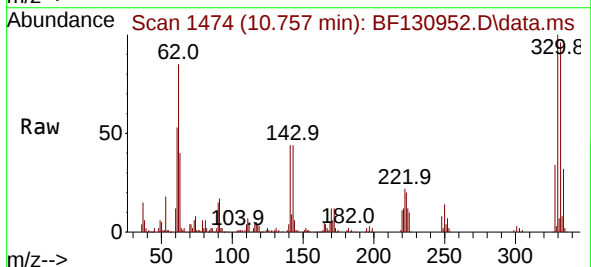
Instrument :
BNA_F
ClientSampleId :
TP-H

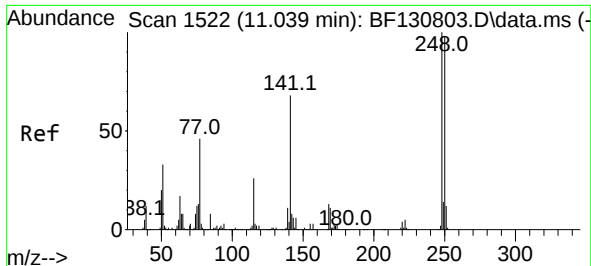
Tgt Ion:188 Resp: 162465
Ion Ratio Lower Upper
188 100
94 8.5 7.4 11.2
80 8.8 8.0 12.0



#65
4,6-Dinitro-2-methylphenol
Concen: 8.392 ng
RT: 10.757 min Scan# 1474
Delta R.T. 0.188 min
Lab File: BF130952.D
Acq: 03 Nov 2022 03:01

Tgt Ion:198 Resp: 377
Ion Ratio Lower Upper
198 100
51 230.2 39.0 79.0#
105 228.2 30.6 70.6#

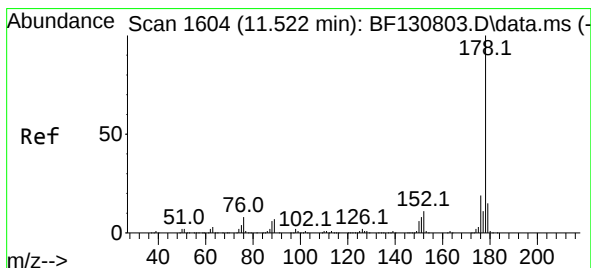
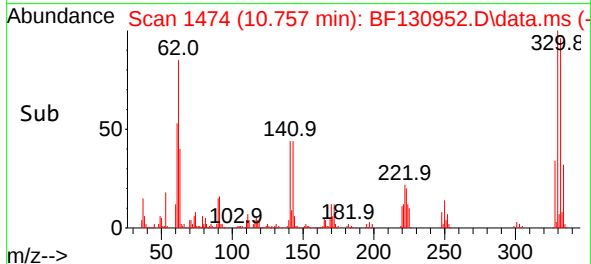
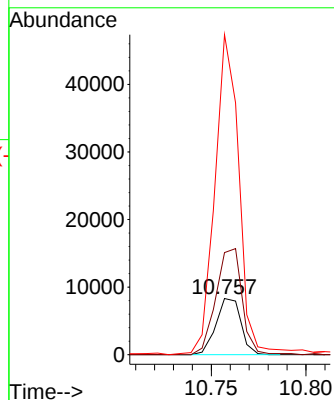
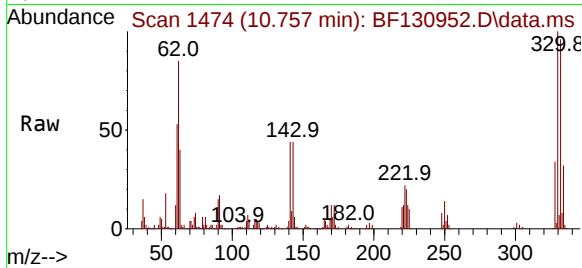




#67
4-Bromophenyl-phenylether
Concen: 4.661 ng
RT: 10.757 min Scan# 14
Delta R.T. -0.253 min
Lab File: BF130952.D
Acq: 03 Nov 2022 03:01

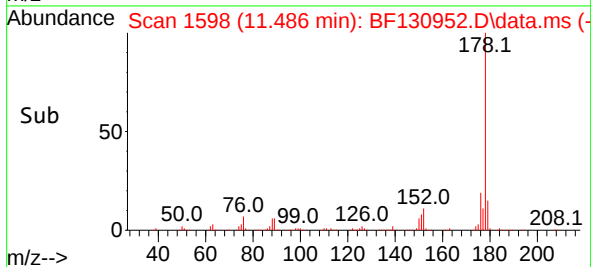
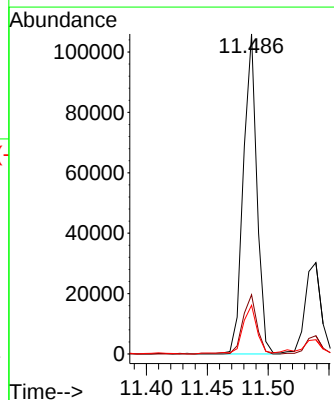
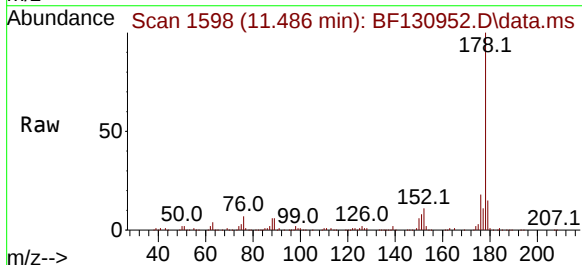
Instrument :
BNA_F
ClientSampleId :
TP-H

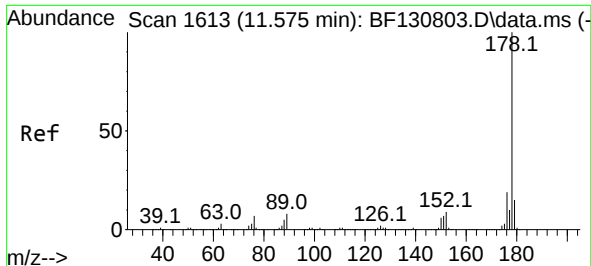
Tgt Ion:248 Resp: 7616
Ion Ratio Lower Upper
248 100
250 181.8 78.6 117.8#
141 570.3 54.2 81.4#



#71
Phenanthrene
Concen: 9.843 ng
RT: 11.486 min Scan# 1598
Delta R.T. -0.006 min
Lab File: BF130952.D
Acq: 03 Nov 2022 03:01

Tgt Ion:178 Resp: 82541
Ion Ratio Lower Upper
178 100
176 18.5 15.5 23.3
179 15.2 12.2 18.2

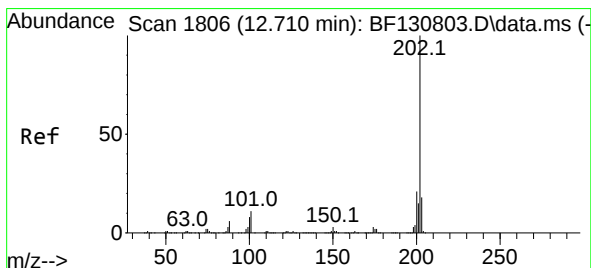
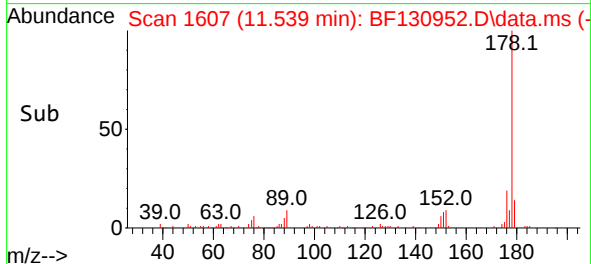
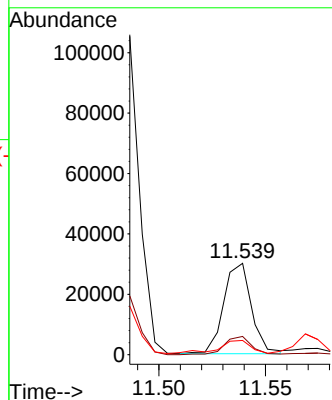
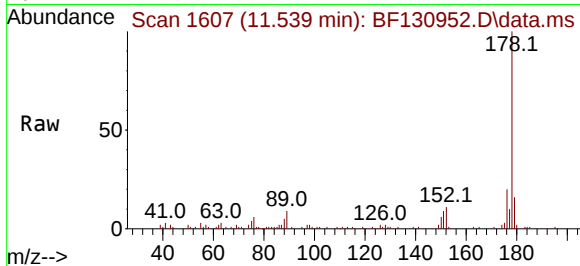




#72
 Anthracene
 Concen: 3.284 ng
 RT: 11.539 min Scan# 1
 Delta R.T. -0.006 min
 Lab File: BF130952.D
 Acq: 03 Nov 2022 03:01

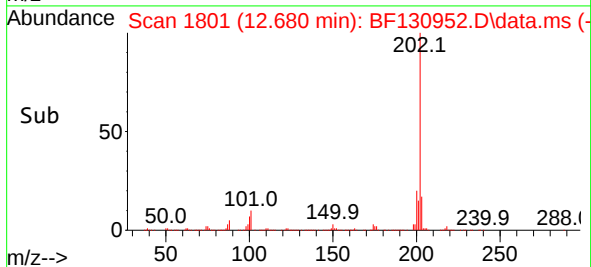
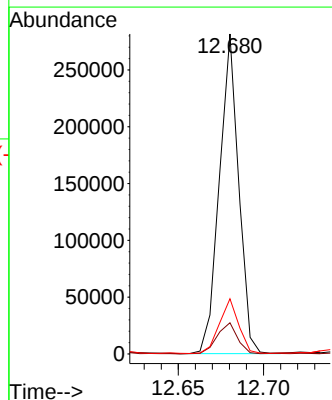
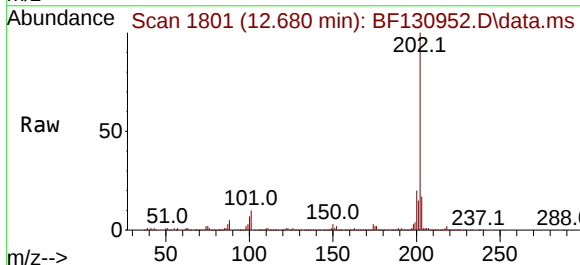
Instrument :
 BNA_F
 ClientSampleId :
 TP-H

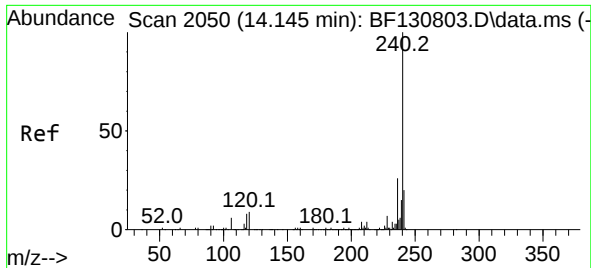
Tgt Ion:178 Resp: 27159
 Ion Ratio Lower Upper
 178 100
 176 19.9 15.4 23.0
 179 15.5 12.2 18.4



#75
 Fluoranthene
 Concen: 24.867 ng
 RT: 12.680 min Scan# 1801
 Delta R.T. -0.006 min
 Lab File: BF130952.D
 Acq: 03 Nov 2022 03:01

Tgt Ion:202 Resp: 221546
 Ion Ratio Lower Upper
 202 100
 101 9.8 0.0 30.9
 203 17.3 0.0 37.7

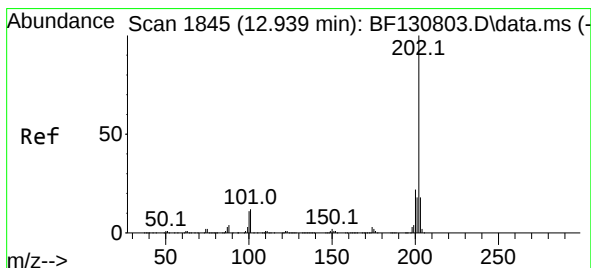
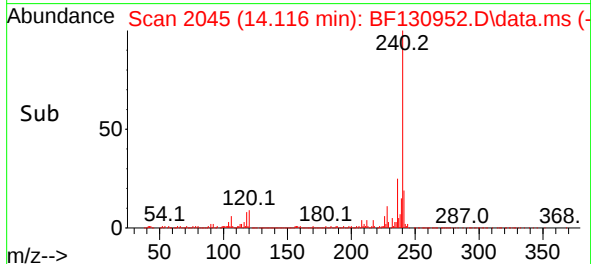
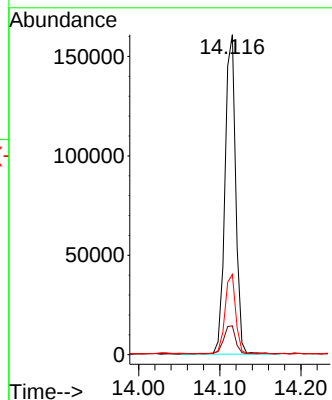
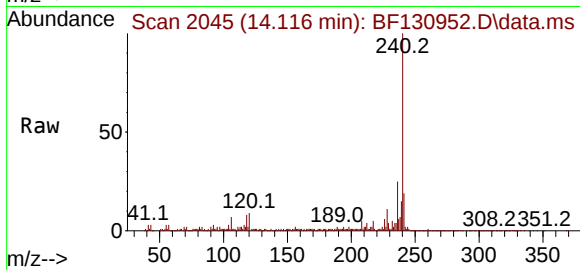




#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.116 min Scan# 2050
Delta R.T. -0.006 min
Lab File: BF130952.D
Acq: 03 Nov 2022 03:01

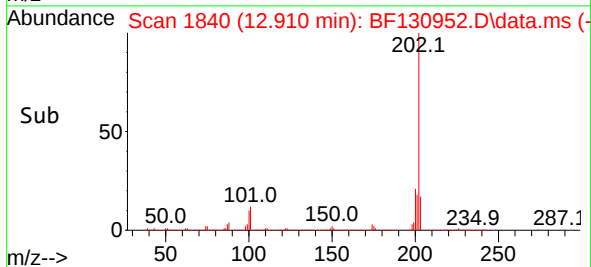
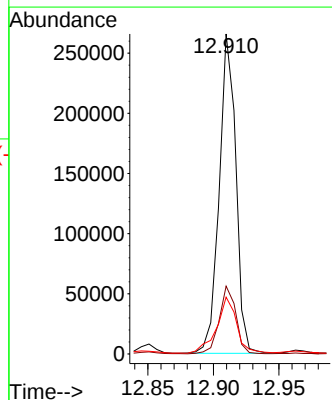
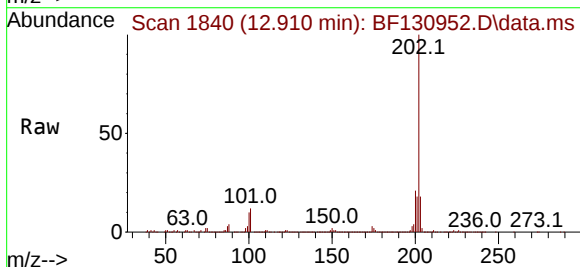
Instrument :
BNA_F
ClientSampleId :
TP-H

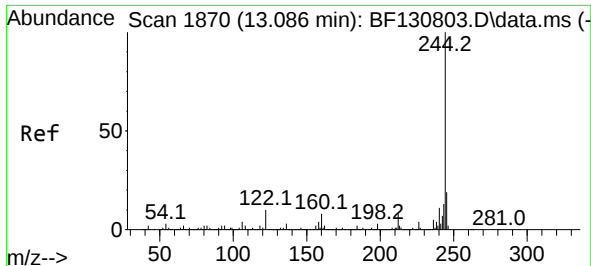
Tgt Ion:240 Resp: 148342
Ion Ratio Lower Upper
240 100
120 9.0 7.0 10.4
236 25.1 20.5 30.7



#78
Pyrene
Concen: 18.692 ng
RT: 12.910 min Scan# 1840
Delta R.T. -0.006 min
Lab File: BF130952.D
Acq: 03 Nov 2022 03:01

Tgt Ion:202 Resp: 233937
Ion Ratio Lower Upper
202 100
200 21.2 17.2 25.8
203 17.8 14.5 21.7

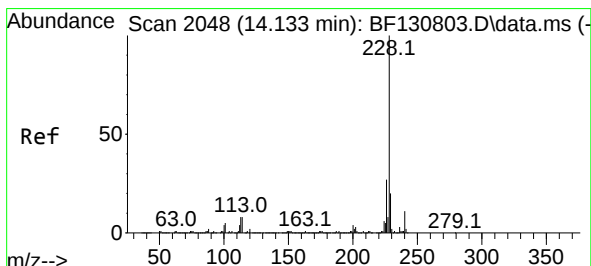
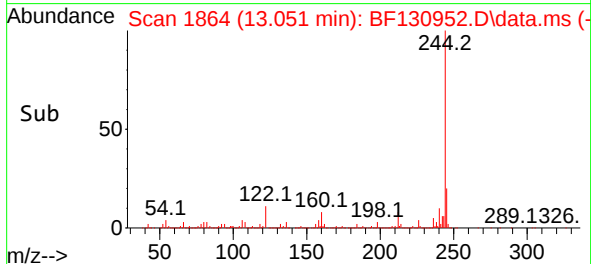
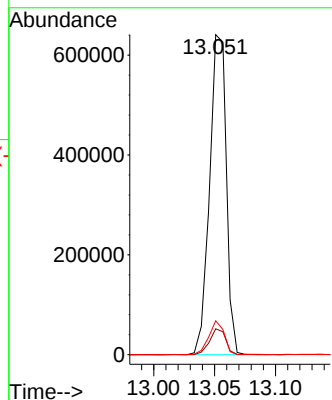
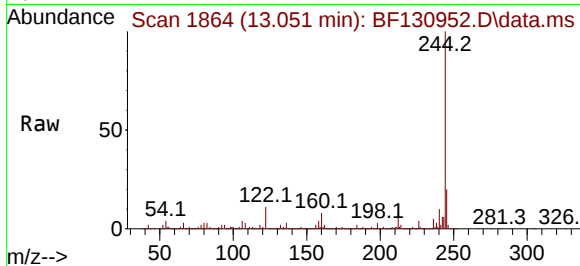




#79
 Terphenyl-d14
 Concen: 75.476 ng
 RT: 13.051 min Scan# 1864
 Delta R.T. -0.006 min
 Lab File: BF130952.D
 Acq: 03 Nov 2022 03:01

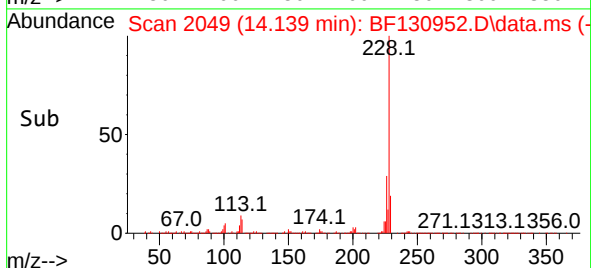
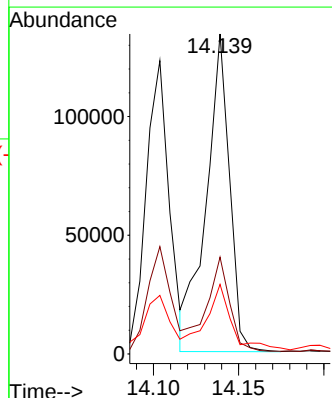
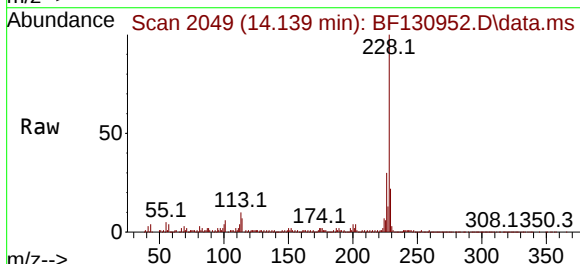
Instrument :
 BNA_F
 ClientSampleId :
 TP-H

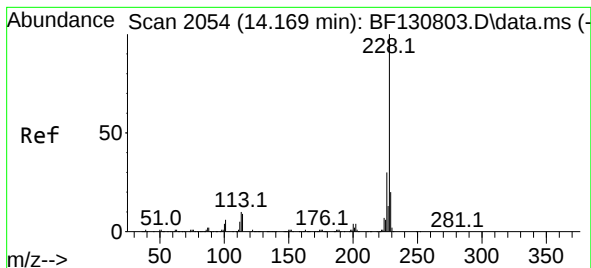
Tgt Ion:244 Resp: 611000
 Ion Ratio Lower Upper
 244 100
 212 8.1 6.2 9.2
 122 10.6 7.9 11.9



#81
 Benzo(a)anthracene
 Concen: 12.922 ng
 RT: 14.139 min Scan# 2049
 Delta R.T. 0.029 min
 Lab File: BF130952.D
 Acq: 03 Nov 2022 03:01

Tgt Ion:228 Resp: 127093
 Ion Ratio Lower Upper
 228 100
 226 30.2 21.4 32.2
 229 21.7 15.8 23.6





#83

Chrysene

Concen: 13.397 ng

RT: 14.139 min Scan# 2054

Delta R.T. -0.006 min

Lab File: BF130952.D

Acq: 03 Nov 2022 03:01

Instrument :

BNA_F

ClientSampleId :

TP-H

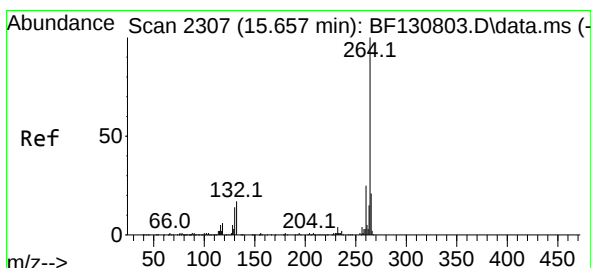
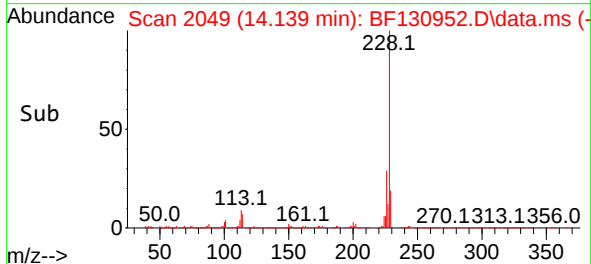
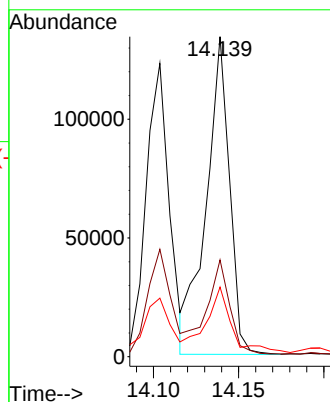
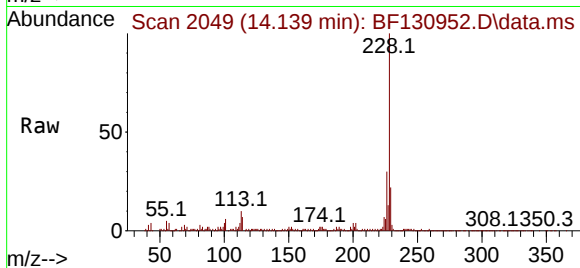
Tgt Ion:228 Resp: 127093

Ion Ratio Lower Upper

228 100

226 30.2 23.9 35.9

229 21.7 15.8 23.6



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.627 min Scan# 2302

Delta R.T. -0.000 min

Lab File: BF130952.D

Acq: 03 Nov 2022 03:01

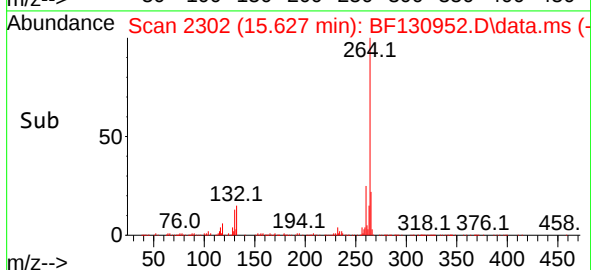
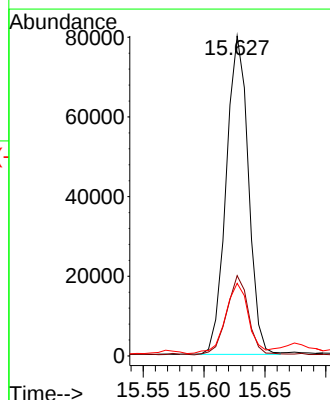
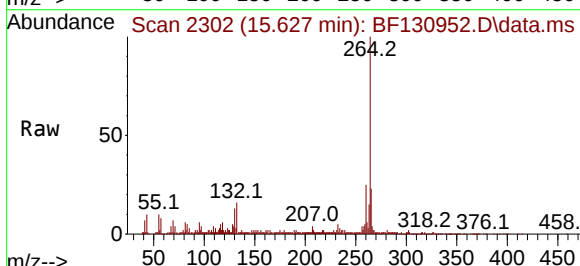
Tgt Ion:264 Resp: 101200

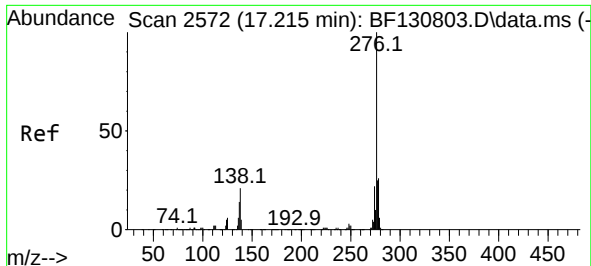
Ion Ratio Lower Upper

264 100

260 25.1 19.9 29.9

265 22.7 17.0 25.6

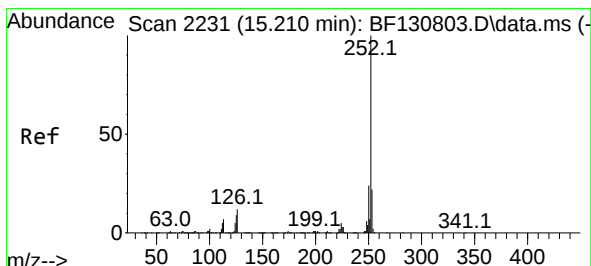
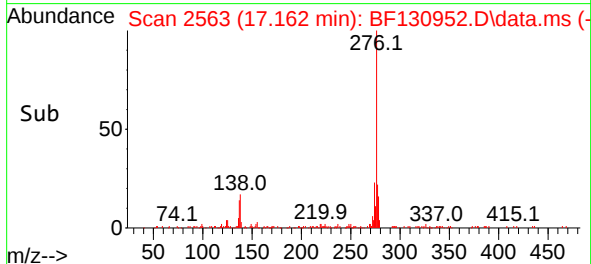
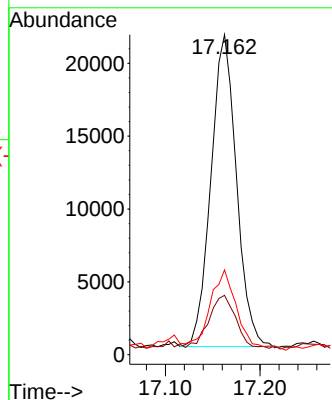
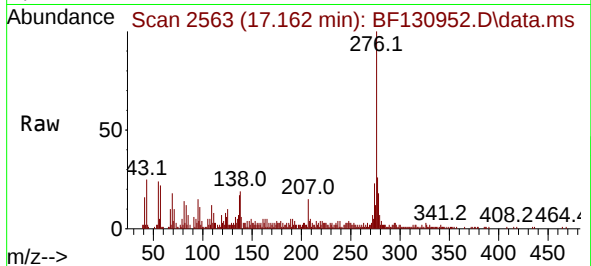




#87
Indeno(1,2,3-cd)pyrene
Concen: 5.952 ng
RT: 17.162 min Scan# 21
Delta R.T. -0.012 min
Lab File: BF130952.D
Acq: 03 Nov 2022 03:01

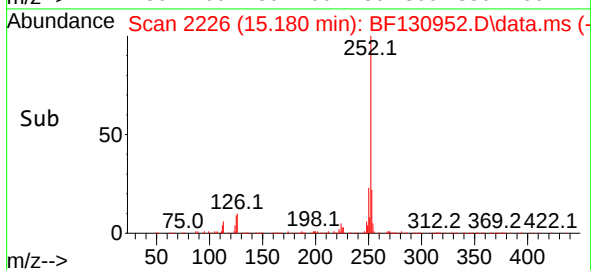
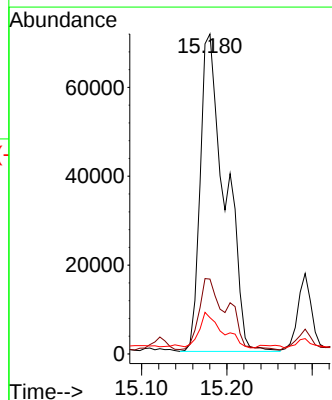
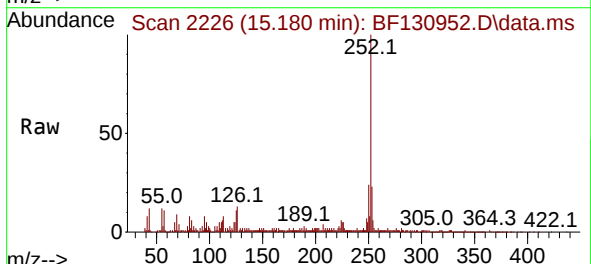
Instrument :
BNA_F
ClientSampleId :
TP-H

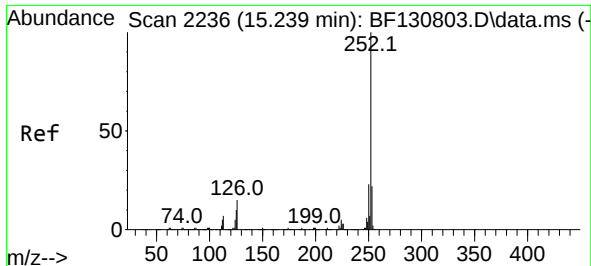
Tgt Ion:276 Resp: 40003
Ion Ratio Lower Upper
276 100
138 18.1 19.1 28.7#
277 27.7 20.1 30.1



#88
Benzo(b)fluoranthene
Concen: 22.195 ng
RT: 15.180 min Scan# 2226
Delta R.T. -0.000 min
Lab File: BF130952.D
Acq: 03 Nov 2022 03:01

Tgt Ion:252 Resp: 145195
Ion Ratio Lower Upper
252 100
253 23.4 17.5 26.3
125 11.4 7.0 10.4#

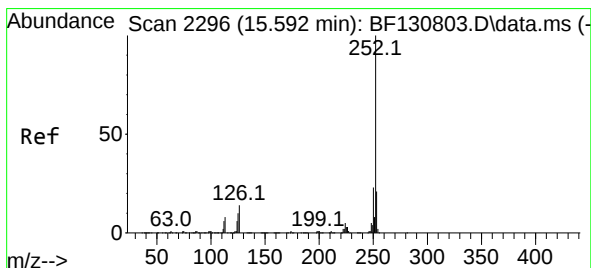
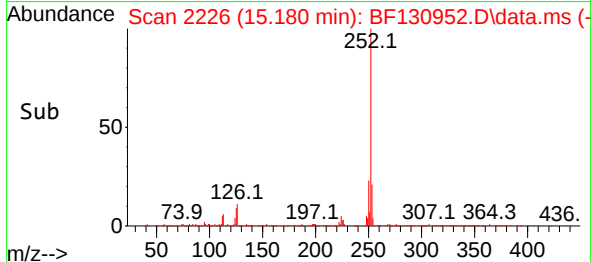
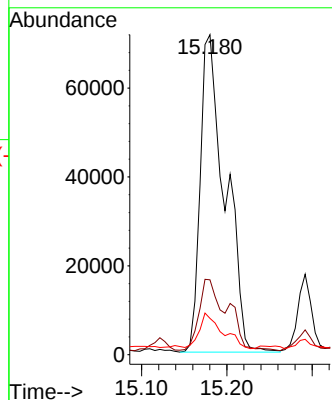
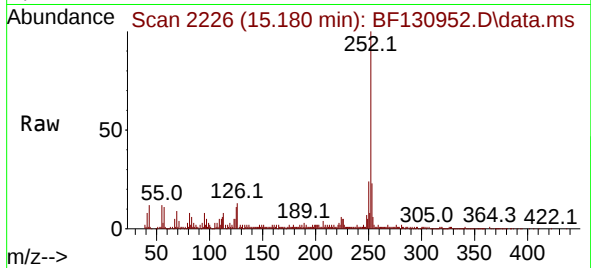




#89
Benzo(k)fluoranthene
Concen: 22.777 ng
RT: 15.180 min Scan# 21
Delta R.T. -0.035 min
Lab File: BF130952.D
Acq: 03 Nov 2022 03:01

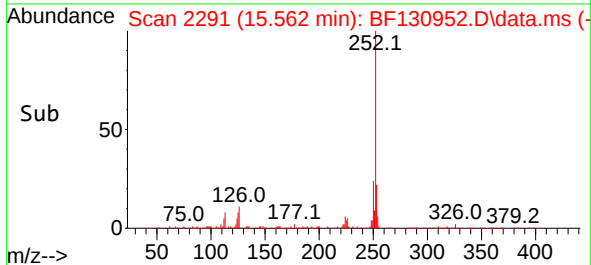
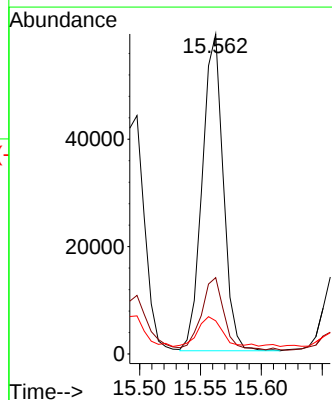
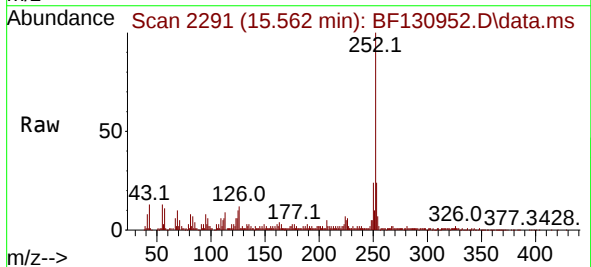
Instrument :
BNA_F
ClientSampleId :
TP-H

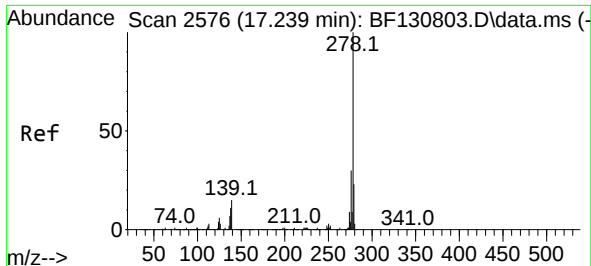
Tgt Ion:252 Resp: 145195
Ion Ratio Lower Upper
252 100
253 23.4 17.5 26.3
125 11.4 8.0 12.0



#90
Benzo(a)pyrene
Concen: 13.450 ng
RT: 15.562 min Scan# 2291
Delta R.T. -0.006 min
Lab File: BF130952.D
Acq: 03 Nov 2022 03:01

Tgt Ion:252 Resp: 70730
Ion Ratio Lower Upper
252 100
253 23.9 16.8 25.2
125 10.4 8.3 12.5

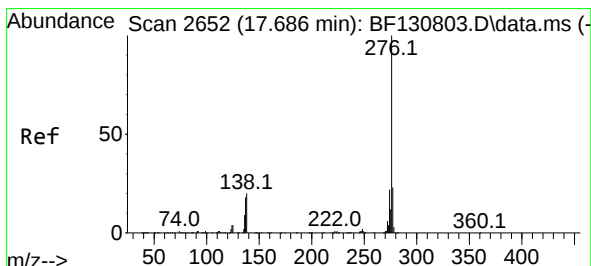
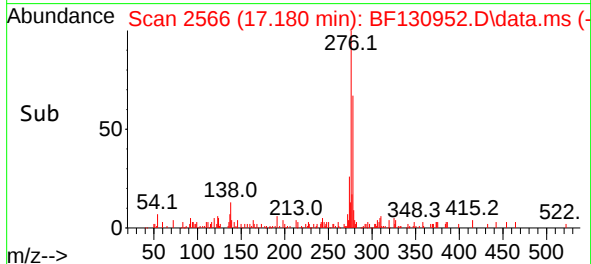
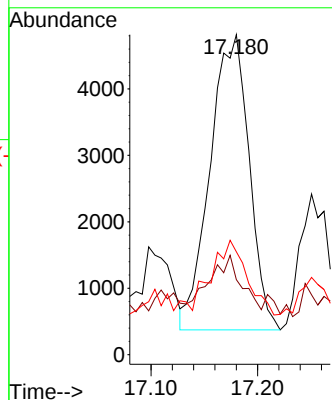
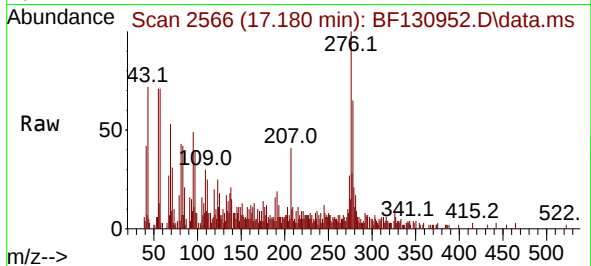




#91
Dibenzo(a,h)anthracene
Concen: 2.062 ng
RT: 17.180 min Scan# 21
Delta R.T. -0.018 min
Lab File: BF130952.D
Acq: 03 Nov 2022 03:01

Instrument :
BNA_F
ClientSampleId :
TP-H

Tgt Ion:278 Resp: 11298
Ion Ratio Lower Upper
278 100
139 23.5 11.9 17.9#
279 32.1 18.6 28.0#



#92
Benzo(g,h,i)perylene
Concen: 7.059 ng
RT: 17.633 min Scan# 2643
Delta R.T. -0.018 min
Lab File: BF130952.D
Acq: 03 Nov 2022 03:01

Tgt Ion:276 Resp: 39453
Ion Ratio Lower Upper
276 100
277 20.7 18.8 28.2
138 20.2 16.3 24.5

