

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF031023\
 Data File : BF132750.D
 Acq On : 10 Mar 2023 19:47
 Operator : CG\JU
 Sample : 01846-02
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TP-3

Quant Time: Mar 11 03:06:26 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF022223.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Mar 09 16:26:19 2023
 Response via : Initial Calibration

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

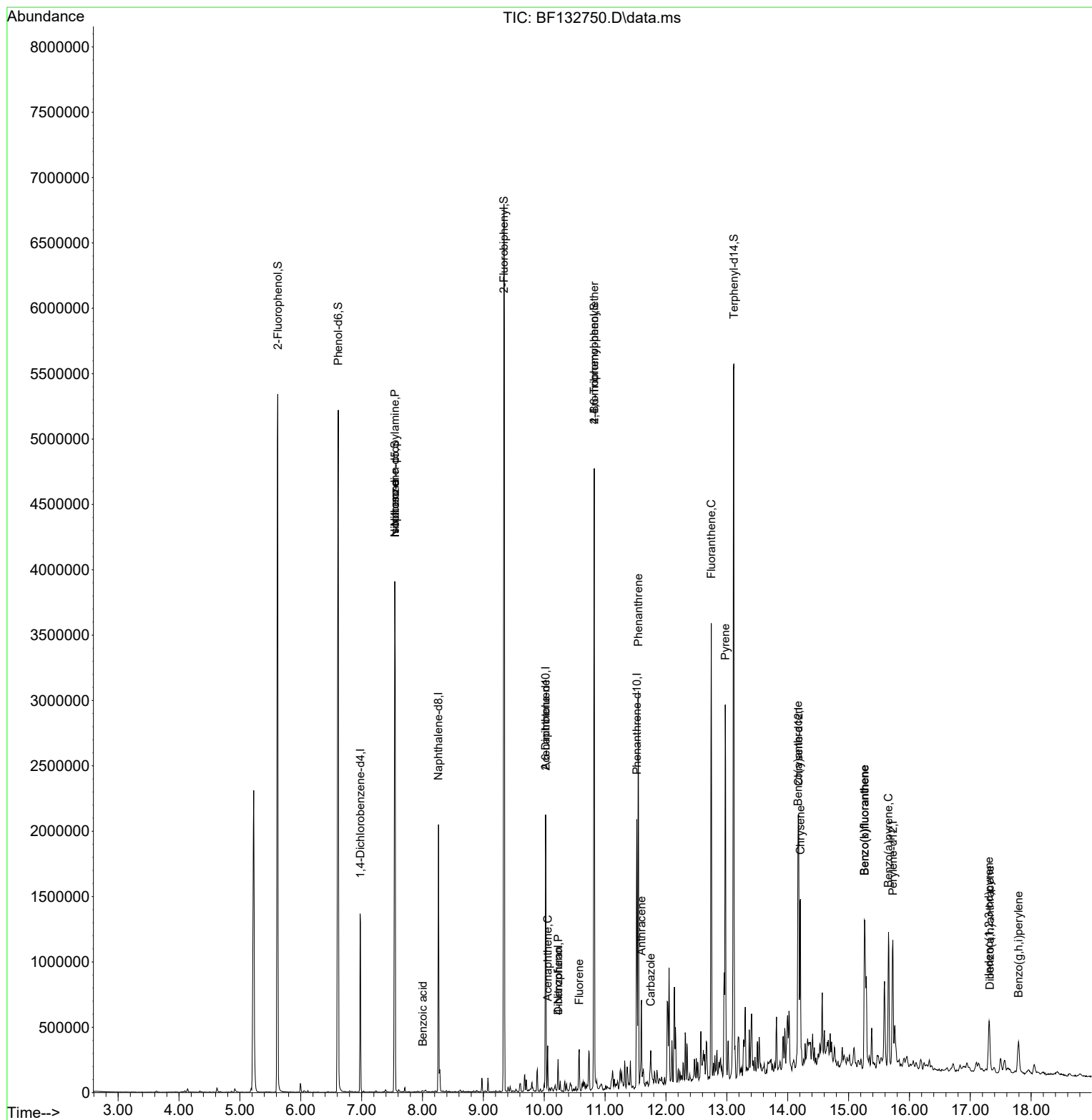
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.981	152	211292	20.000	ng	0.00
21) Naphthalene-d8	8.263	136	799603	20.000	ng	0.00
39) Acenaphthene-d10	10.022	164	428555	20.000	ng	-0.01
64) Phenanthrene-d10	11.522	188	745953	20.000	ng	0.00
76) Chrysene-d12	14.180	240	386938	20.000	ng	0.00
86) Perylene-d12	15.727	264	468560	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.622	112	1685565	129.471	ng	0.01
7) Phenol-d6	6.616	99	2218377	130.564	ng	0.00
23) Nitrobenzene-d5	7.545	82	1503394	89.204	ng	-0.01
42) 2,4,6-Tribromophenol	10.822	330	576411	124.543	ng	0.00
45) 2-Fluorobiphenyl	9.339	172	2265190	80.483	ng	0.00
79) Terphenyl-d14	13.116	244	2156494	94.229	ng	0.00
Target Compounds						Qvalue
19) n-Nitroso-di-n-propyla...	7.545	70	200629	19.187	ng	# 74
25) Isophorone	7.545	82	1501998	46.484	ng	# 67
32) Benzoic acid	8.004	122	785	3.909	ng	95
51) 2,6-Dinitrotoluene	10.022	165	58498	8.232	ng	# 22
52) Acenaphthene	10.057	154	59685	2.296	ng	95
55) Dibenzofuran	10.228	168	75825	2.001	ng	97
56) 4-Nitrophenol	10.228	139	26634	4.493	ng	# 5
58) Fluorene	10.575	166	84457	2.914	ng	98
67) 4-Bromophenyl-phenylether	10.822	248	37893	4.491	ng	# 1
71) Phenanthrene	11.545	178	1057118	27.355	ng	98
72) Anthracene	11.598	178	258643	6.499	ng	99
73) Carbazole	11.751	167	92248	2.571	ng	98
75) Fluoranthene	12.745	202	1381911	32.711	ng	98
78) Pyrene	12.975	202	1224664	34.812	ng	100
81) Benzo(a)anthracene	14.169	228	637833	22.031	ng	96
83) Chrysene	14.210	228	552488	20.407	ng	97
87) Indeno(1,2,3-cd)pyrene	17.310	276	266663	8.685	ng	98
88) Benzo(b)fluoranthene	15.263	252	967521	30.812	ng	96
89) Benzo(k)fluoranthene	15.263	252	967521	31.483	ng	97
90) Benzo(a)pyrene	15.657	252	526876	17.928	ng	97
91) Dibenzo(a,h)anthracene	17.321	278	83420	3.335	ng	95
92) Benzo(g,h,i)perylene	17.792	276	213661	8.918	ng	98

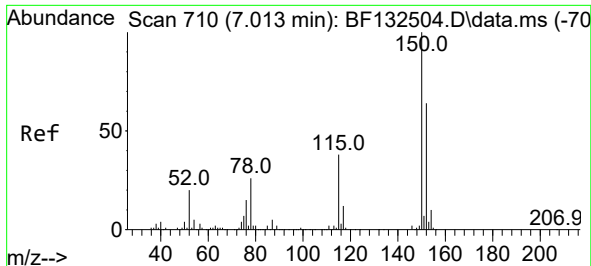
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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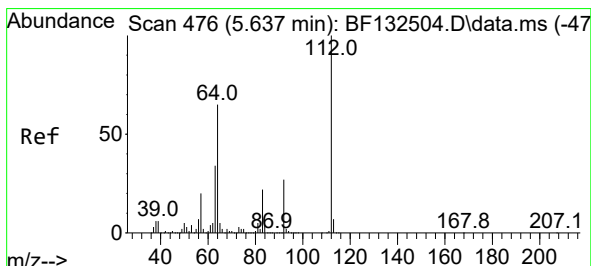
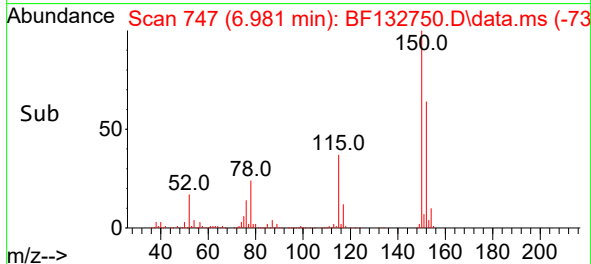
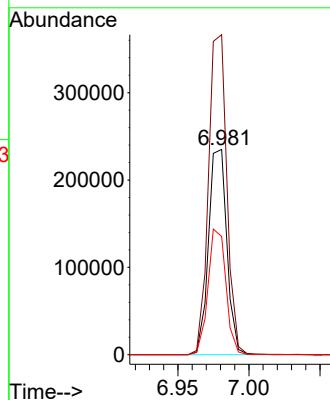
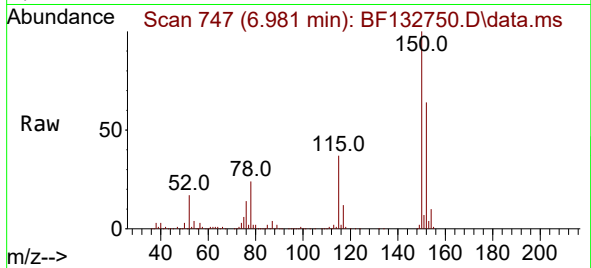




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.981 min Scan# 710
 Delta R.T. -0.000 min
 Lab File: BF132750.D
 Acq: 10 Mar 2023 19:47

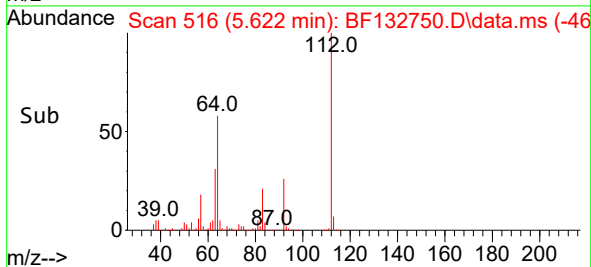
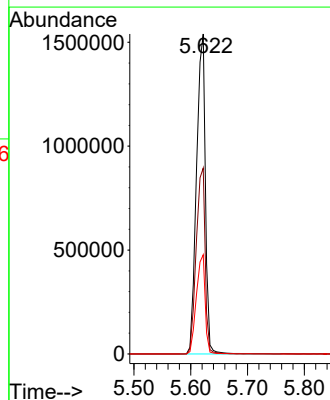
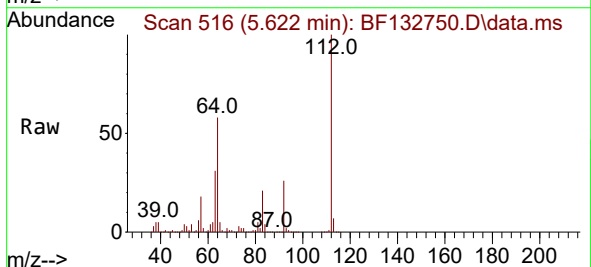
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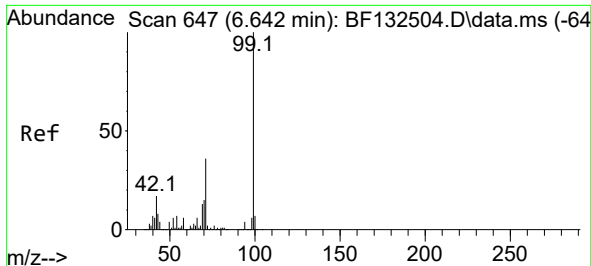
Tgt Ion:152 Resp: 211292
 Ion Ratio Lower Upper
 152 100
 150 155.9 125.4 188.2
 115 57.6 47.8 71.6



#5
 2-Fluorophenol
 Concen: 129.471 ng
 RT: 5.622 min Scan# 516
 Delta R.T. 0.012 min
 Lab File: BF132750.D
 Acq: 10 Mar 2023 19:47

Tgt Ion:112 Resp: 1685565
 Ion Ratio Lower Upper
 112 100
 64 58.1 51.6 77.4
 63 31.0 27.4 41.2

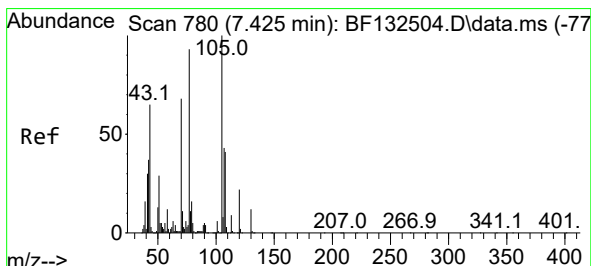
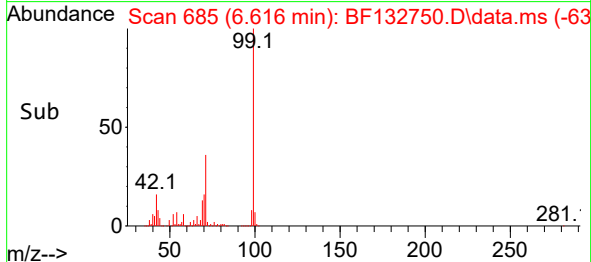
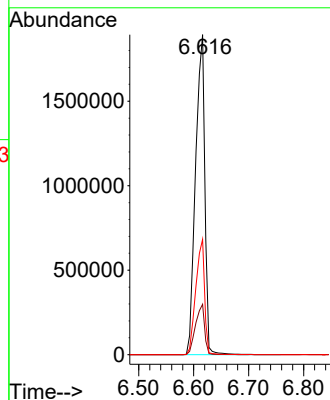
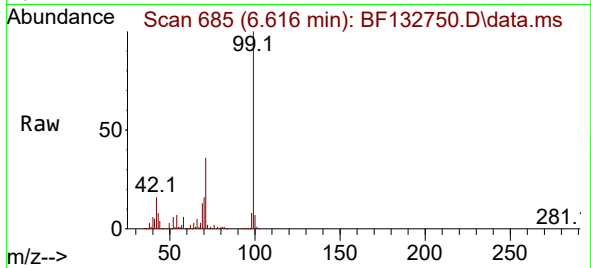




#7
Phenol-d6
Concen: 130.564 ng
RT: 6.616 min Scan# 61
Delta R.T. -0.006 min
Lab File: BF132750.D
Acq: 10 Mar 2023 19:47

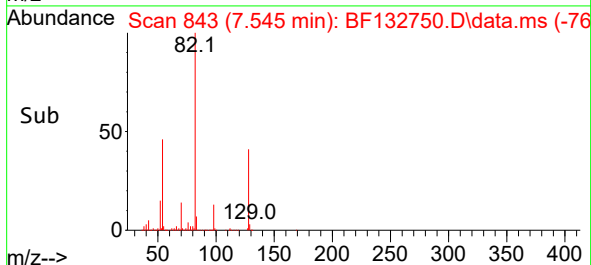
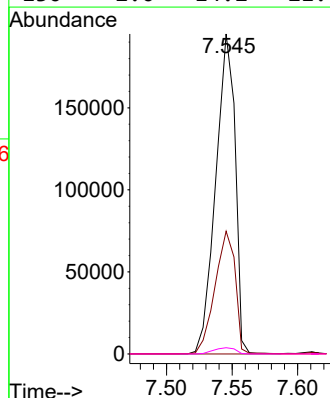
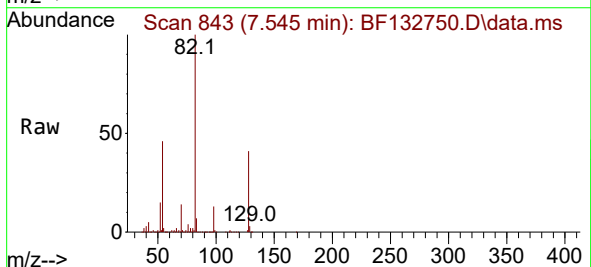
Instrument :
BNA_F
ClientSampleId :
TP-3

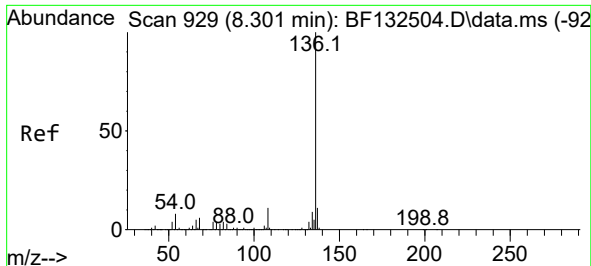
Tgt Ion: 99 Resp: 2218377
Ion Ratio Lower Upper
99 100
42 15.8 13.9 20.9
71 36.0 28.5 42.7



#19
n-Nitroso-di-n-propylamine
Concen: 19.187 ng
RT: 7.545 min Scan# 843
Delta R.T. 0.147 min
Lab File: BF132750.D
Acq: 10 Mar 2023 19:47

Tgt Ion: 70 Resp: 200629
Ion Ratio Lower Upper
70 100
42 38.4 44.1 66.1#
101 0.0 7.4 11.2#
130 2.0 14.2 21.4#

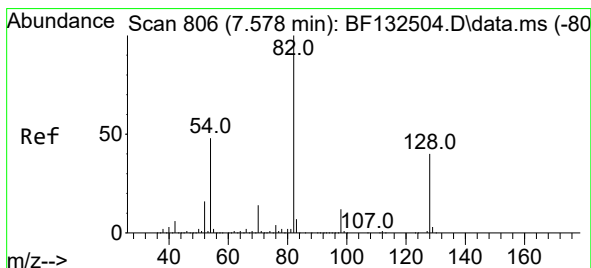
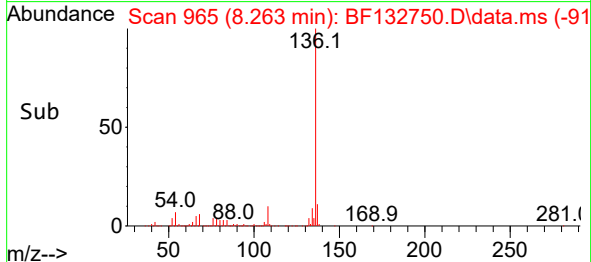
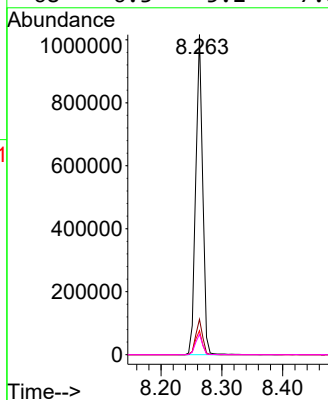
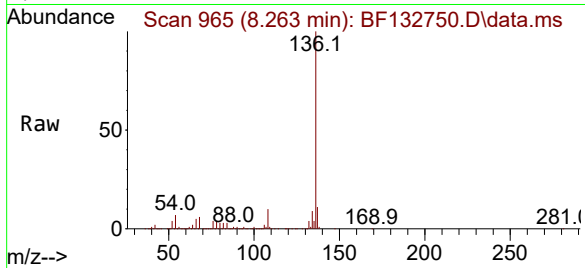




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.263 min Scan# 91
Delta R.T. -0.006 min
Lab File: BF132750.D
Acq: 10 Mar 2023 19:47

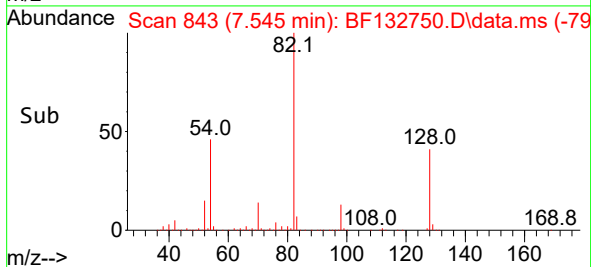
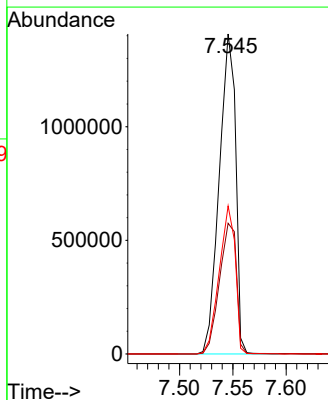
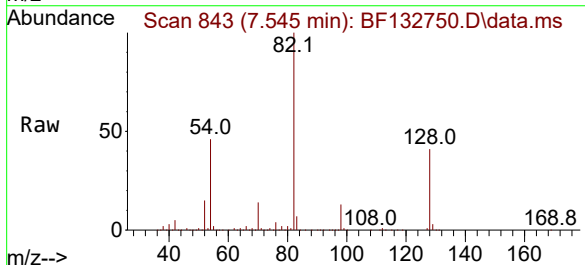
Instrument :
BNA_F
ClientSampleId :
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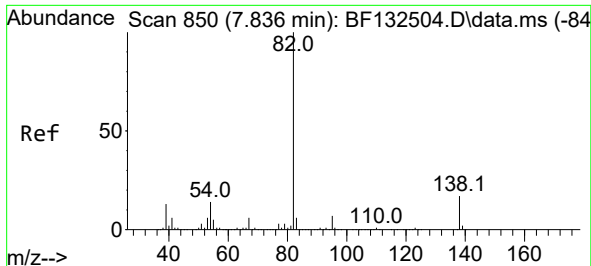
Tgt Ion:136 Resp: 799603
Ion Ratio Lower Upper
136 100
137 11.0 8.9 13.3
54 7.5 6.2 9.4
68 6.3 5.2 7.8



#23
Nitrobenzene-d5
Concen: 89.204 ng
RT: 7.545 min Scan# 843
Delta R.T. -0.012 min
Lab File: BF132750.D
Acq: 10 Mar 2023 19:47

Tgt Ion: 82 Resp: 1503394
Ion Ratio Lower Upper
82 100
128 40.8 32.2 48.2
54 46.3 38.4 57.6

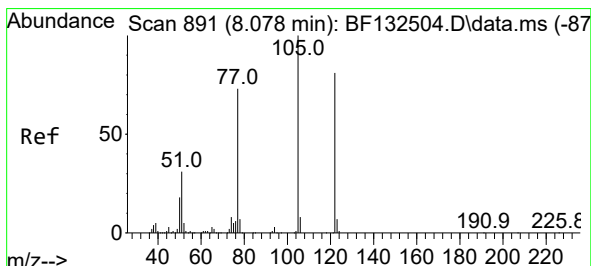
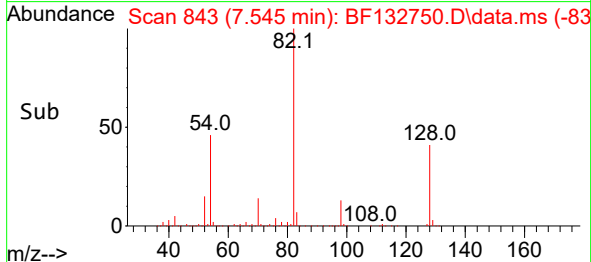
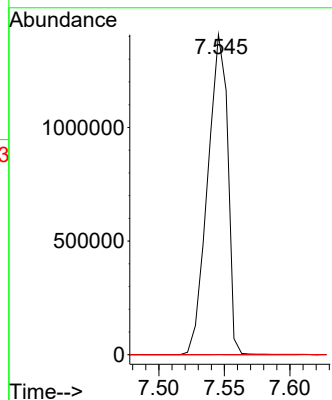
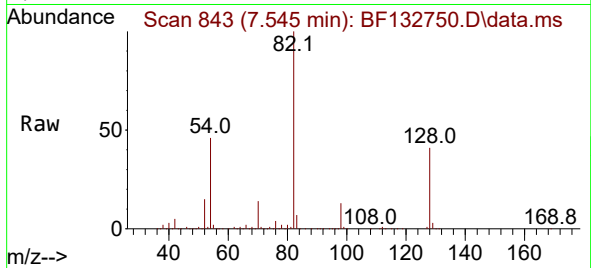




#25
Isophorone
Concen: 46.484 ng
RT: 7.545 min Scan# 84
Delta R.T. -0.264 min
Lab File: BF132750.D
Acq: 10 Mar 2023 19:47

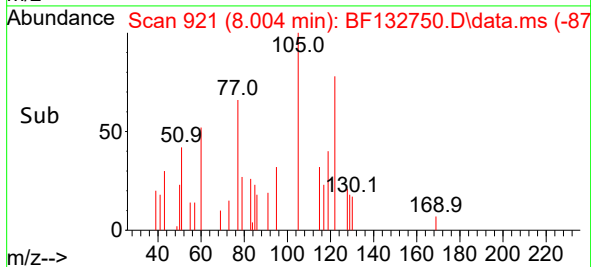
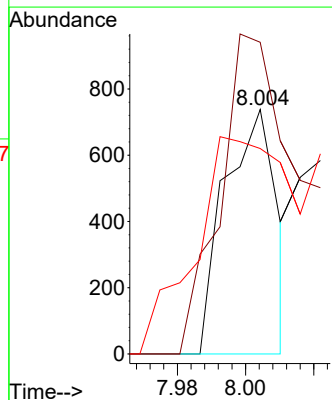
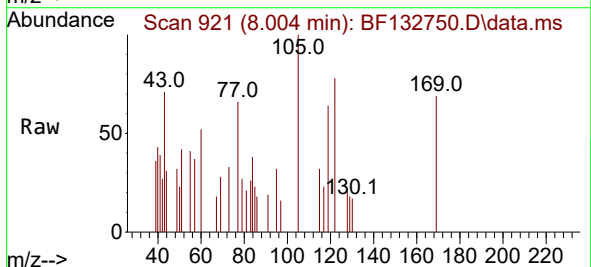
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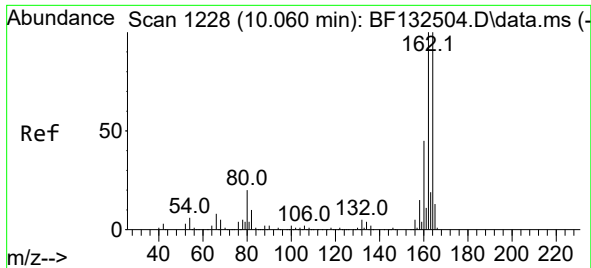
Tgt Ion: 82 Resp: 1501998
Ion Ratio Lower Upper
82 100
95 0.0 5.7 8.5#
138 0.0 13.3 19.9#



#32
Benzoic acid
Concen: 3.909 ng
RT: 8.004 min Scan# 921
Delta R.T. -0.047 min
Lab File: BF132750.D
Acq: 10 Mar 2023 19:47

Tgt Ion: 122 Resp: 785
Ion Ratio Lower Upper
122 100
105 127.5 102.6 142.6
77 84.0 70.2 110.2

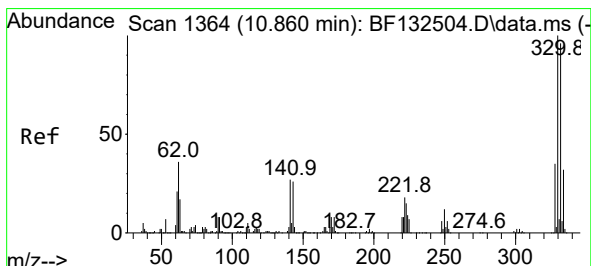
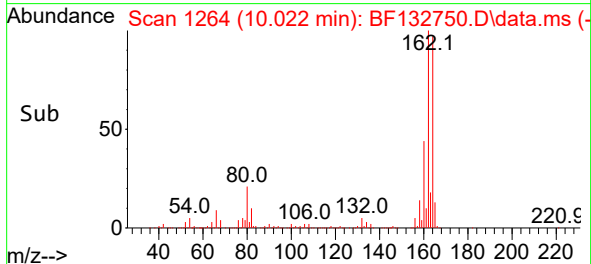
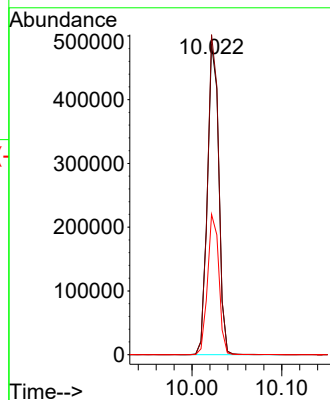
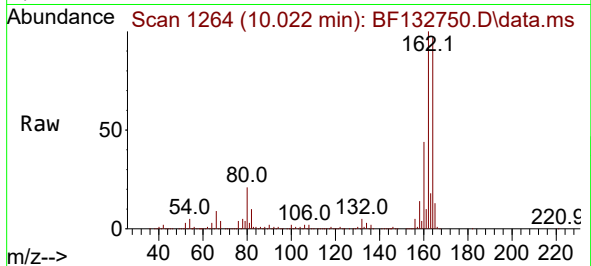




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 10.022 min Scan# 1400
Delta R.T. -0.012 min
Lab File: BF132750.D
Acq: 10 Mar 2023 19:47

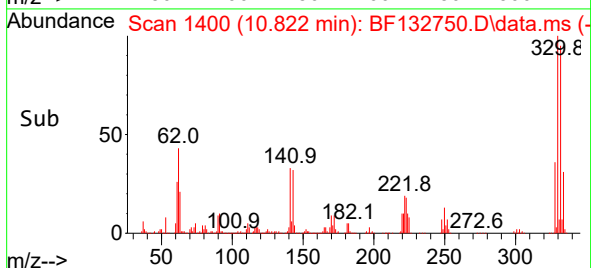
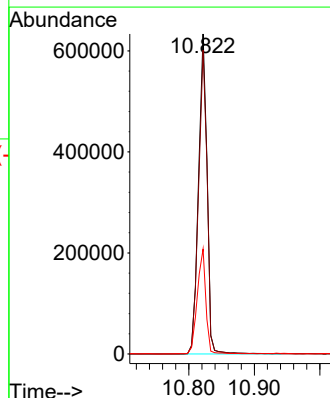
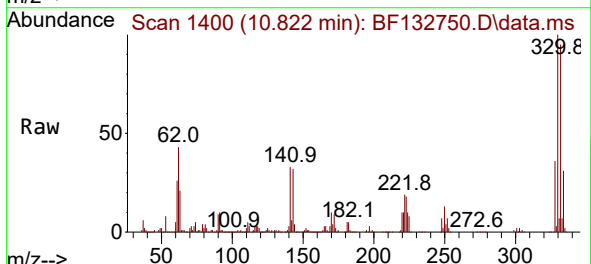
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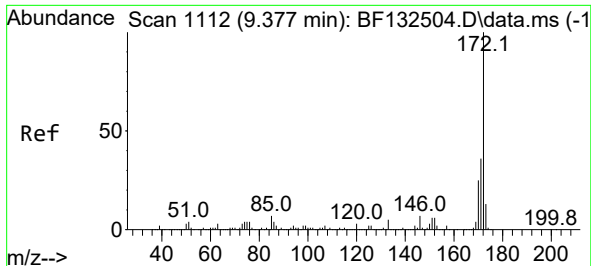
Tgt Ion:164 Resp: 428555
Ion Ratio Lower Upper
164 100
162 103.0 79.8 119.8
160 45.1 35.8 53.6



#42
2,4,6-Tribromophenol
Concen: 124.543 ng
RT: 10.822 min Scan# 1400
Delta R.T. -0.006 min
Lab File: BF132750.D
Acq: 10 Mar 2023 19:47

Tgt Ion:330 Resp: 576411
Ion Ratio Lower Upper
330 100
332 95.9 76.2 114.4
141 33.3 28.4 42.6

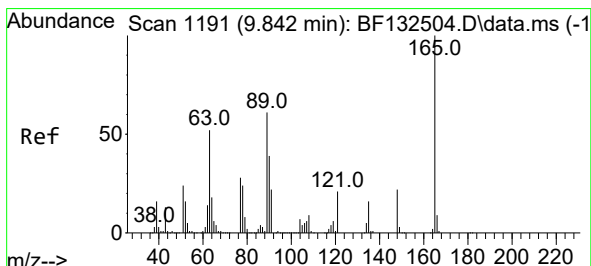
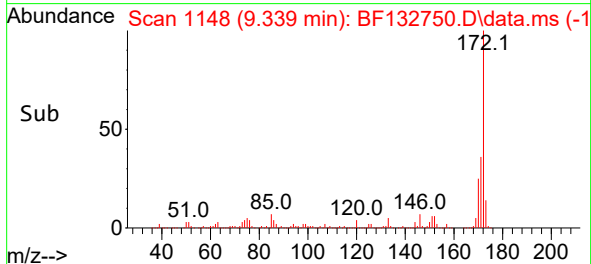
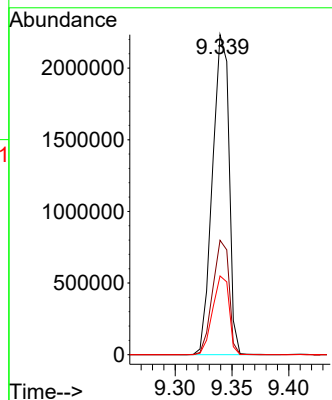
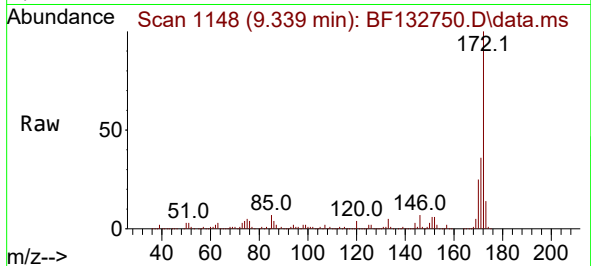




#45
2-Fluorobiphenyl
Concen: 80.483 ng
RT: 9.339 min Scan# 1112
Delta R.T. -0.006 min
Lab File: BF132750.D
Acq: 10 Mar 2023 19:47

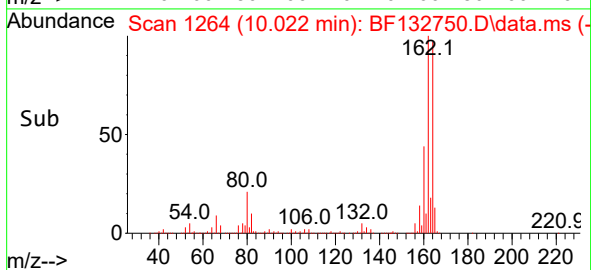
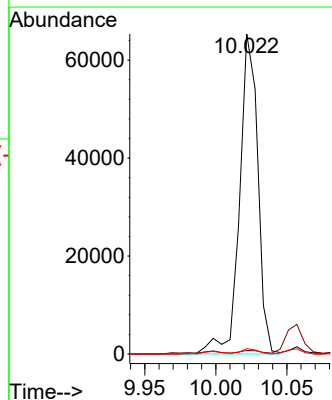
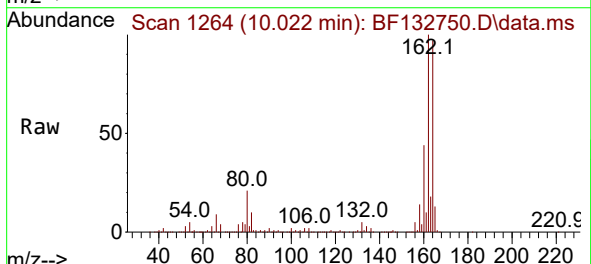
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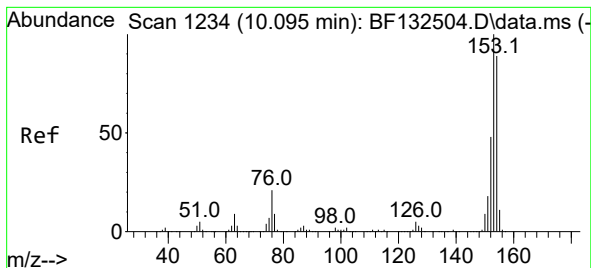
Tgt Ion:172 Resp: 2265190
Ion Ratio Lower Upper
172 100
171 35.8 28.8 43.2
170 24.6 19.7 29.5



#51
2,6-Dinitrotoluene
Concen: 8.232 ng
RT: 10.022 min Scan# 1264
Delta R.T. 0.206 min
Lab File: BF132750.D
Acq: 10 Mar 2023 19:47

Tgt Ion:165 Resp: 58498
Ion Ratio Lower Upper
165 100
63 1.1 47.3 70.9#
89 1.6 48.9 73.3#





#52

Acenaphthene

Concen: 2.296 ng

RT: 10.057 min Scan# 1299

Delta R.T. -0.012 min

Lab File: BF132750.D

Acq: 10 Mar 2023 19:47

Instrument :

BNA_F

ClientSampleId :

TP-3

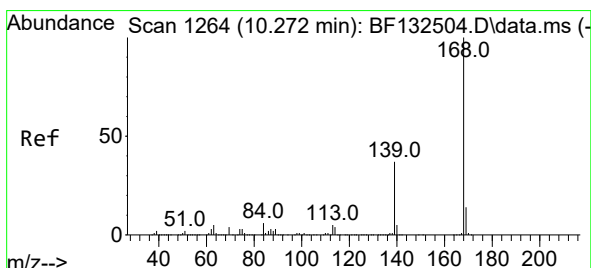
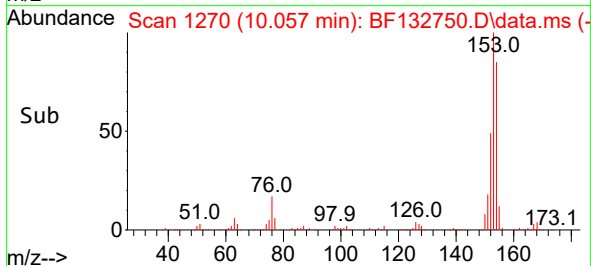
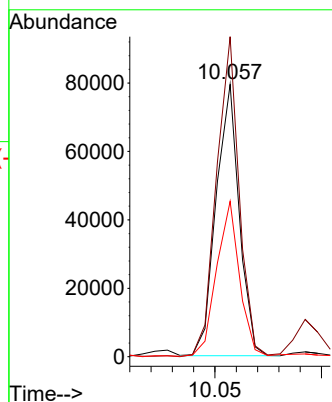
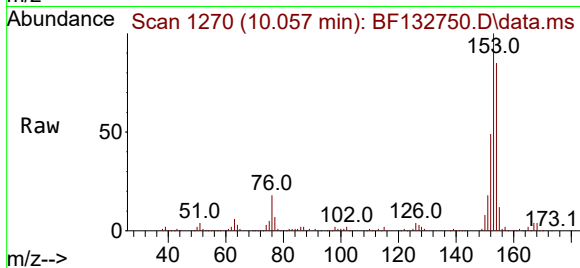
Tgt Ion:154 Resp: 59685

Ion Ratio Lower Upper

154 100

153 117.5 89.8 134.8

152 57.0 43.3 64.9



#55

Dibenzofuran

Concen: 2.001 ng

RT: 10.228 min Scan# 1299

Delta R.T. -0.012 min

Lab File: BF132750.D

Acq: 10 Mar 2023 19:47

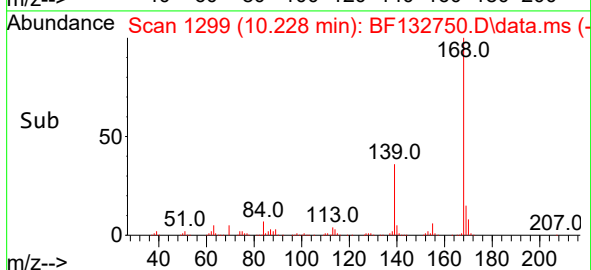
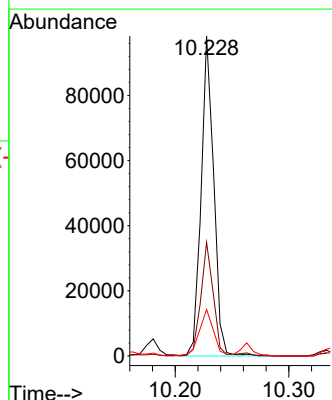
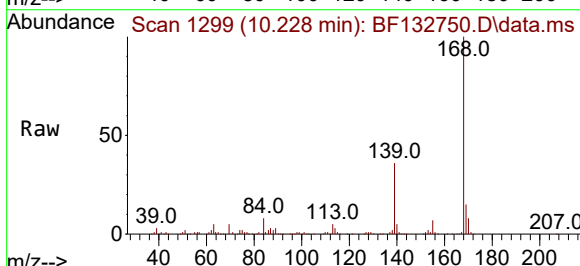
Tgt Ion:168 Resp: 75825

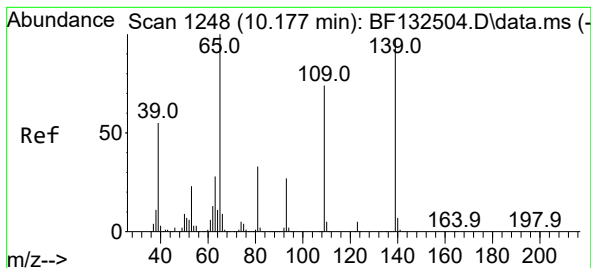
Ion Ratio Lower Upper

168 100

139 35.5 29.8 44.6

169 14.6 10.9 16.3

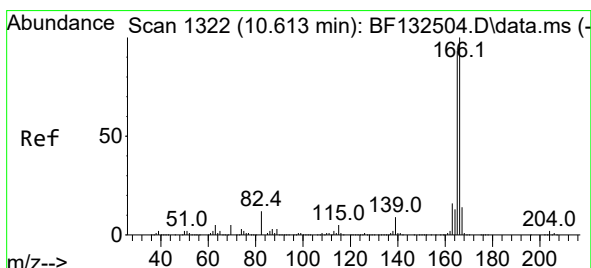
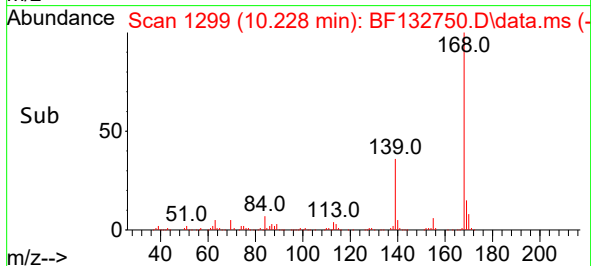
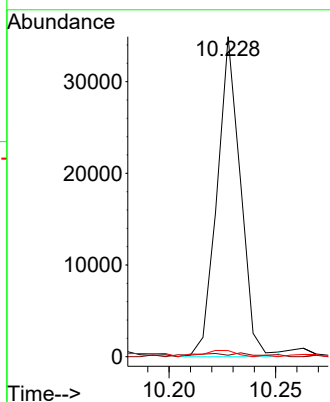
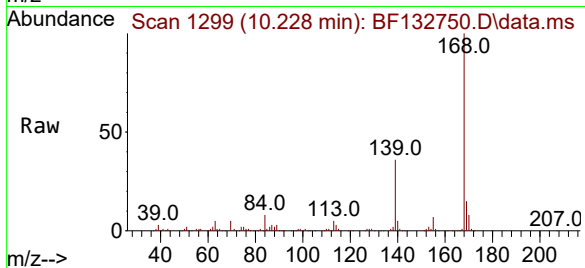




#56
4-Nitrophenol
Concen: 4.493 ng
RT: 10.228 min Scan# 11
Delta R.T. 0.077 min
Lab File: BF132750.D
Acq: 10 Mar 2023 19:47

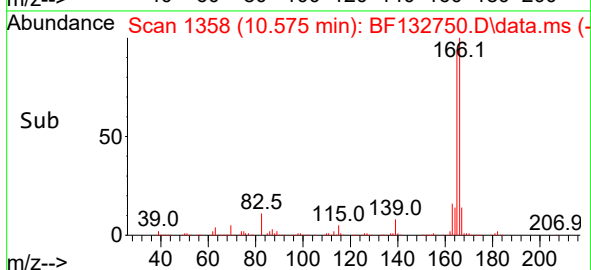
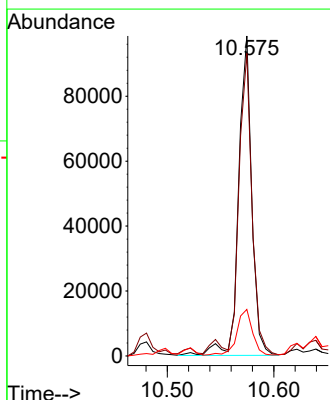
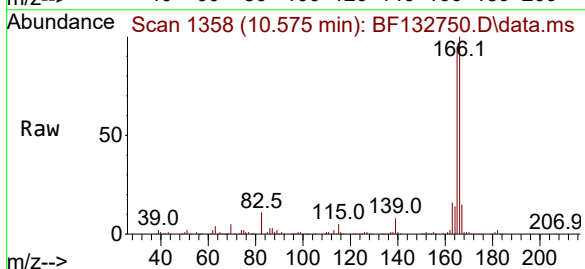
Instrument :
BNA_F
ClientSampleId :
TP-3

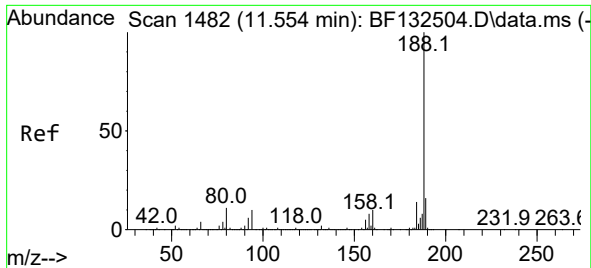
Tgt Ion:139 Resp: 26634
Ion Ratio Lower Upper
139 100
109 0.5 56.7 96.7#
65 1.9 83.5 123.5#



#58
Fluorene
Concen: 2.914 ng
RT: 10.575 min Scan# 1358
Delta R.T. -0.012 min
Lab File: BF132750.D
Acq: 10 Mar 2023 19:47

Tgt Ion:166 Resp: 84457
Ion Ratio Lower Upper
166 100
165 94.5 74.2 111.4
167 14.6 11.1 16.7

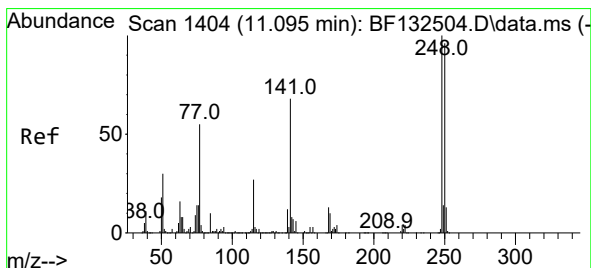
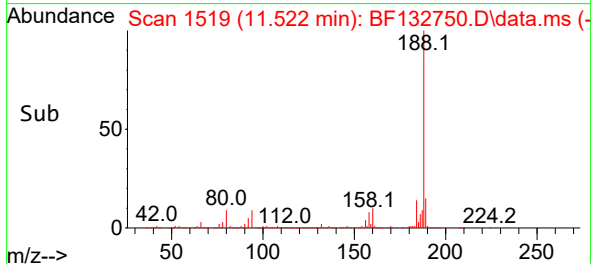
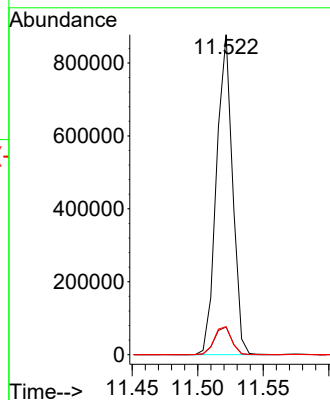
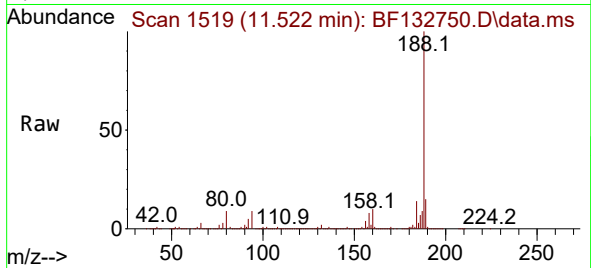




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.522 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF132750.D
Acq: 10 Mar 2023 19:47

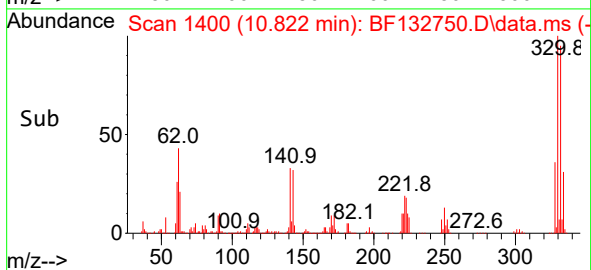
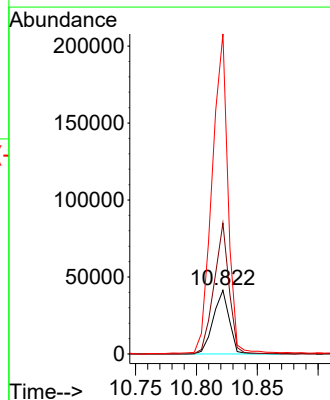
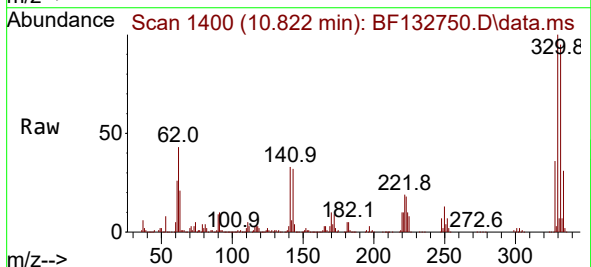
Instrument :
BNA_F
ClientSampleId :
TP-3

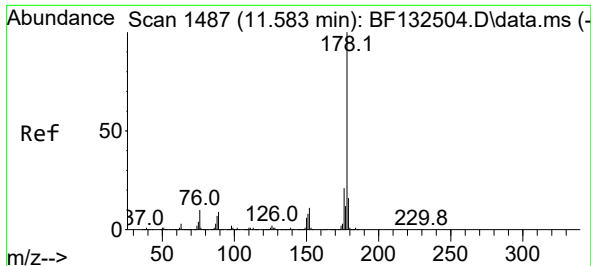
Tgt Ion:188 Resp: 745953
Ion Ratio Lower Upper
188 100
94 8.7 8.3 12.5
80 8.7 8.7 13.1



#67
4-Bromophenyl-phenylether
Concen: 4.491 ng
RT: 10.822 min Scan# 1400
Delta R.T. -0.241 min
Lab File: BF132750.D
Acq: 10 Mar 2023 19:47

Tgt Ion:248 Resp: 37893
Ion Ratio Lower Upper
248 100
250 205.4 77.0 115.4#
141 502.2 54.2 81.2#

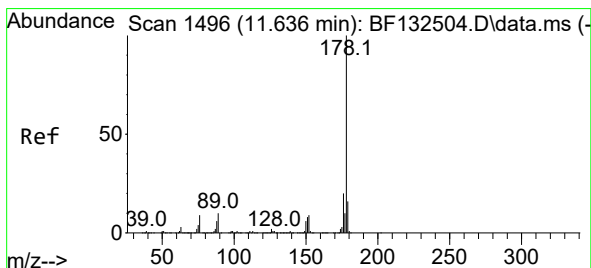
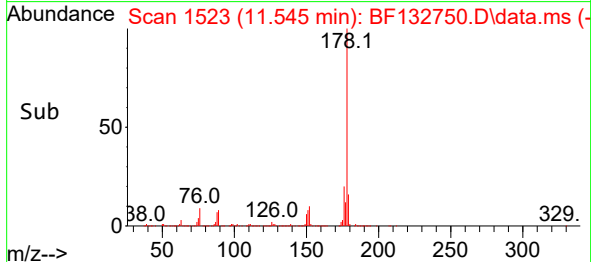
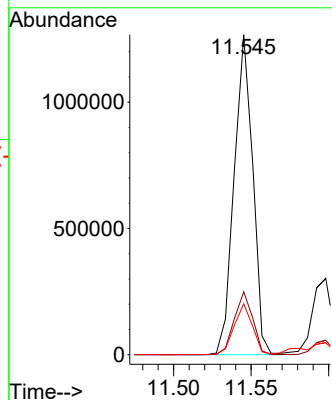
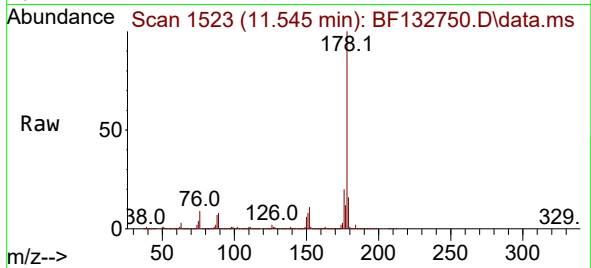




#71
Phenanthrene
Concen: 27.355 ng
RT: 11.545 min Scan# 1152
Delta R.T. -0.012 min
Lab File: BF132750.D
Acq: 10 Mar 2023 19:47

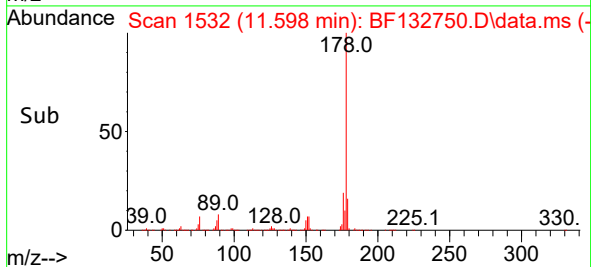
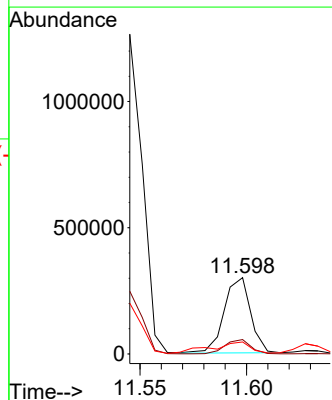
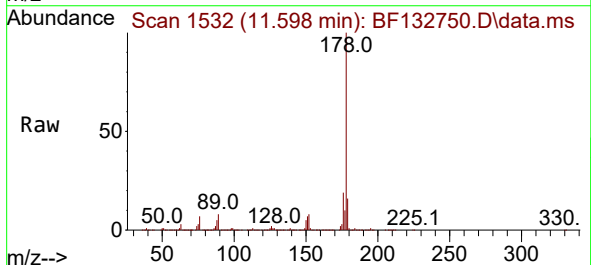
Instrument :
BNA_F
ClientSampleId :
TP-3

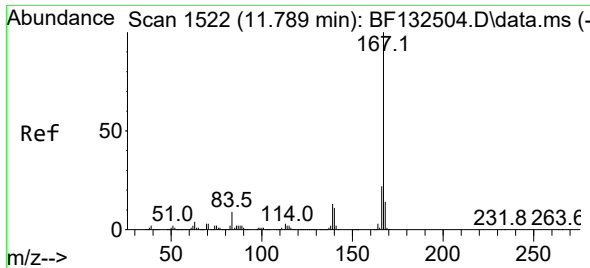
Tgt Ion:178 Resp: 1057118
Ion Ratio Lower Upper
178 100
176 19.6 16.5 24.7
179 15.9 13.0 19.6



#72
Anthracene
Concen: 6.499 ng
RT: 11.598 min Scan# 1532
Delta R.T. -0.006 min
Lab File: BF132750.D
Acq: 10 Mar 2023 19:47

Tgt Ion:178 Resp: 258643
Ion Ratio Lower Upper
178 100
176 19.0 15.6 23.4
179 15.8 12.5 18.7

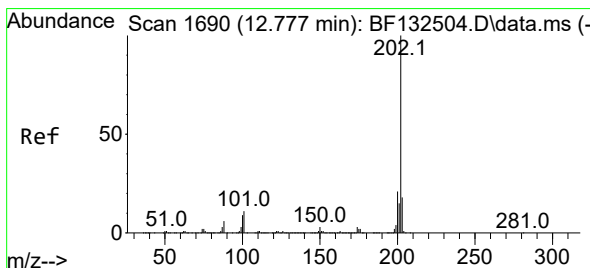
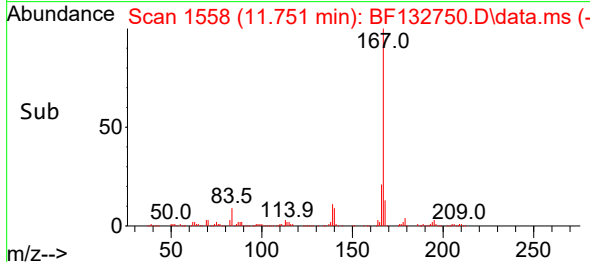
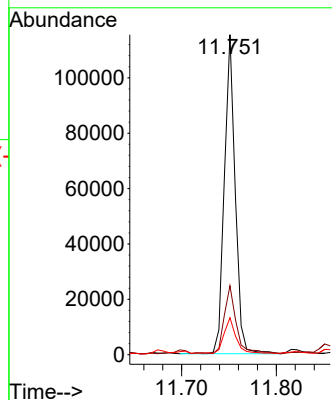
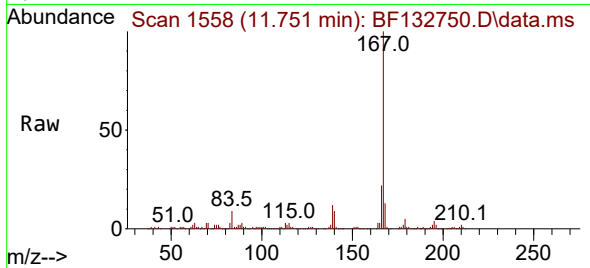




#73
 Carbazole
 Concen: 2.571 ng
 RT: 11.751 min Scan# 11
 Delta R.T. -0.012 min
 Lab File: BF132750.D
 Acq: 10 Mar 2023 19:47

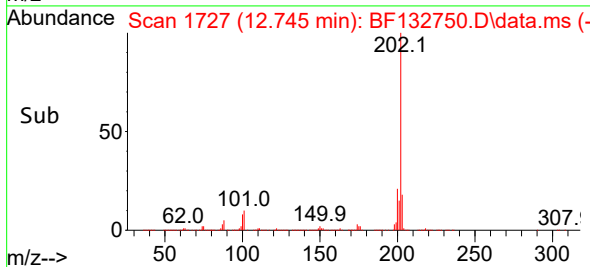
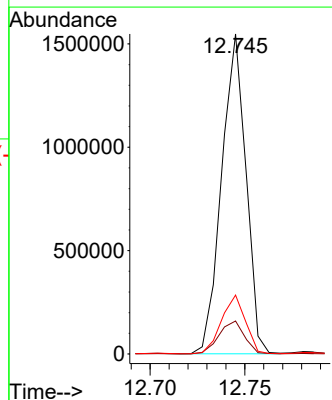
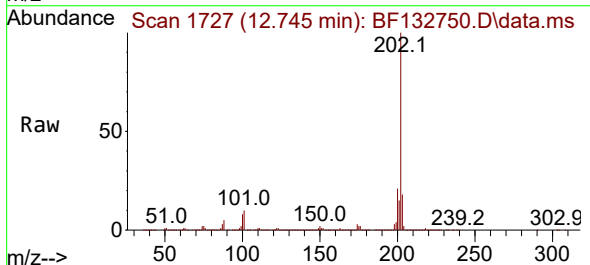
Instrument :
 BNA_F
 ClientSampleId :
 TP-3

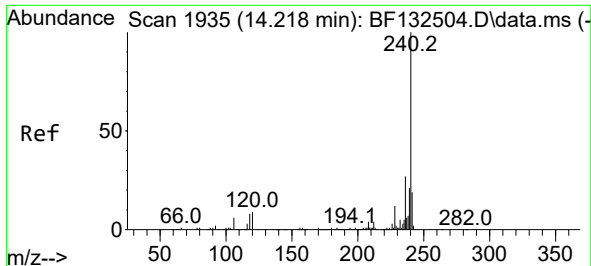
Tgt Ion:167 Resp: 92248
 Ion Ratio Lower Upper
 167 100
 166 21.5 17.7 26.5
 139 11.5 10.5 15.7



#75
 Fluoranthene
 Concen: 32.711 ng
 RT: 12.745 min Scan# 1727
 Delta R.T. -0.006 min
 Lab File: BF132750.D
 Acq: 10 Mar 2023 19:47

Tgt Ion:202 Resp: 1381911
 Ion Ratio Lower Upper
 202 100
 101 10.3 0.0 31.4
 203 18.4 0.0 38.0

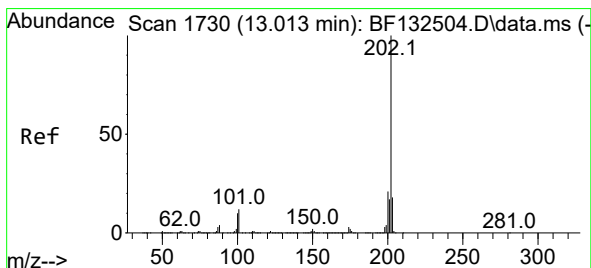
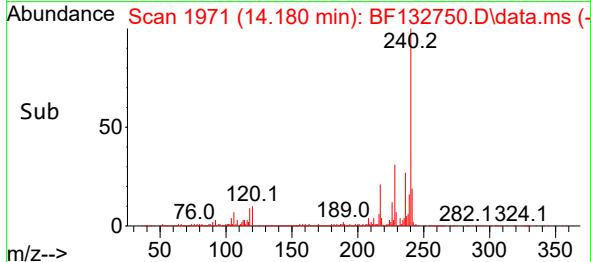
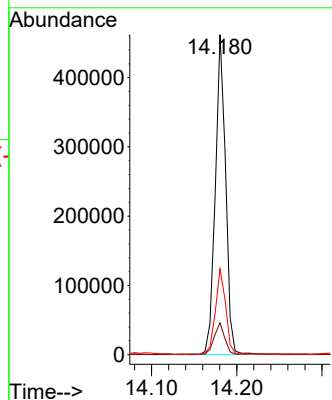
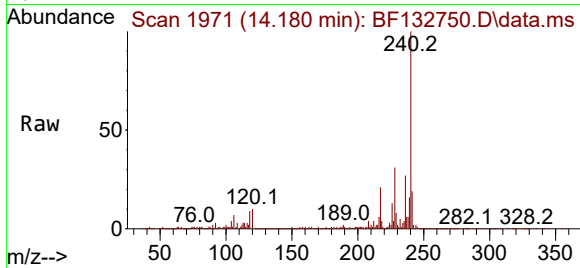




#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.180 min Scan# 1935
Delta R.T. -0.006 min
Lab File: BF132750.D
Acq: 10 Mar 2023 19:47

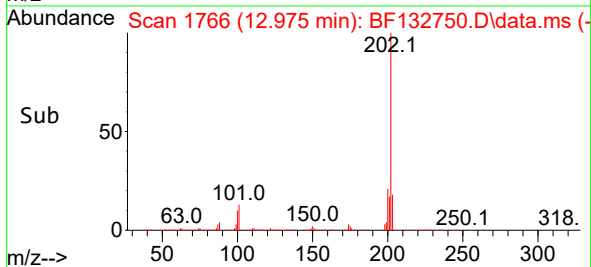
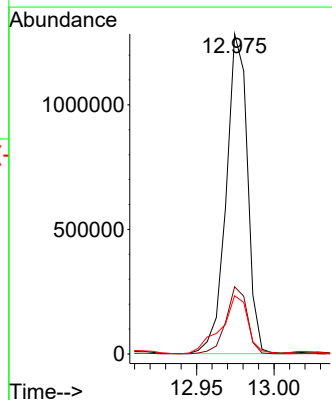
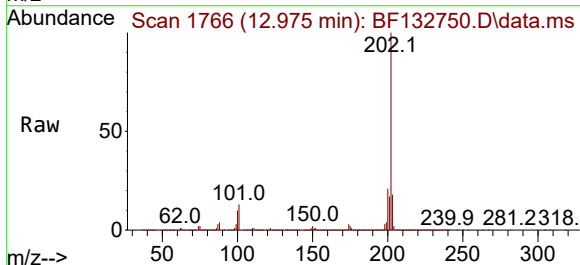
Instrument :
BNA_F
ClientSampleId :
TP-3

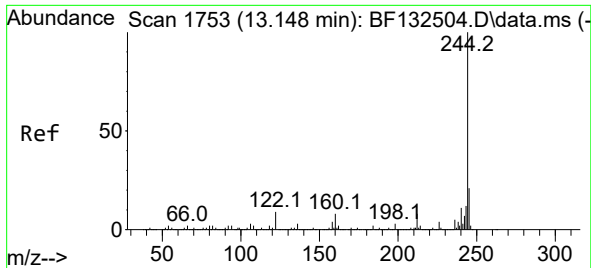
Tgt Ion:240 Resp: 386938
Ion Ratio Lower Upper
240 100
120 9.9 7.2 10.8
236 26.8 21.8 32.6



#78
Pyrene
Concen: 34.812 ng
RT: 12.975 min Scan# 1766
Delta R.T. -0.006 min
Lab File: BF132750.D
Acq: 10 Mar 2023 19:47

Tgt Ion:202 Resp: 1224664
Ion Ratio Lower Upper
202 100
200 21.0 17.1 25.7
203 18.2 14.6 21.8

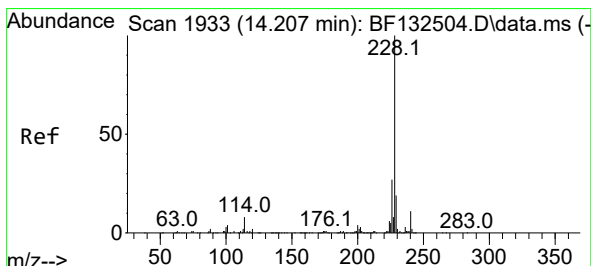
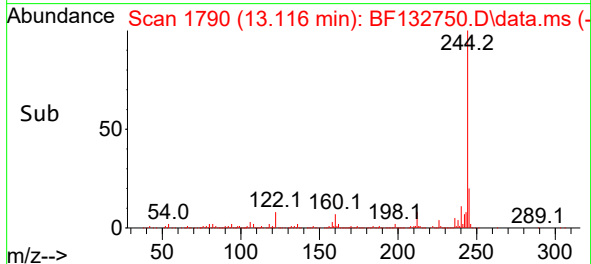
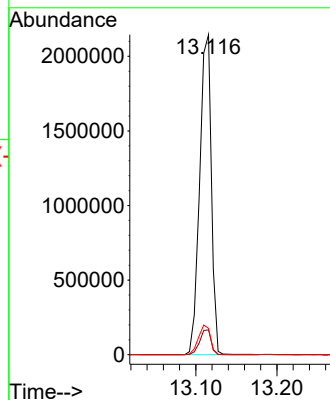
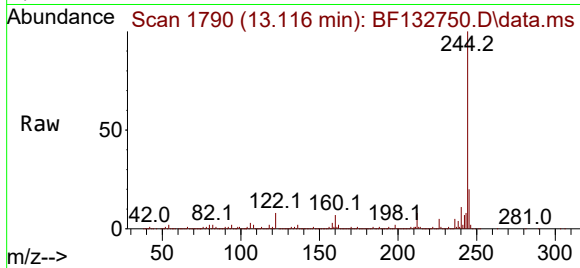




#79
 Terphenyl-d14
 Concen: 94.229 ng
 RT: 13.116 min Scan# 11
 Delta R.T. 0.000 min
 Lab File: BF132750.D
 Acq: 10 Mar 2023 19:47

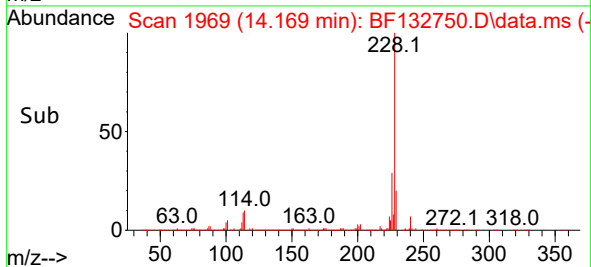
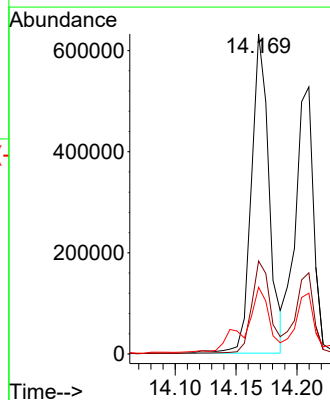
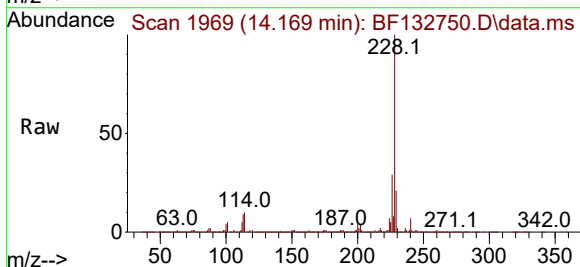
Instrument :
 BNA_F
 ClientSampleId :
 TP-3

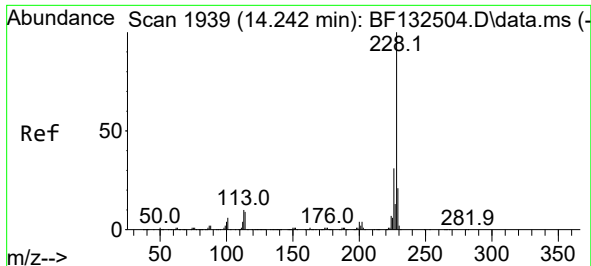
Tgt Ion:244 Resp: 2156494
 Ion Ratio Lower Upper
 244 100
 212 7.7 6.5 9.7
 122 8.2 7.5 11.3



#81
 Benzo(a)anthracene
 Concen: 22.031 ng
 RT: 14.169 min Scan# 1969
 Delta R.T. -0.006 min
 Lab File: BF132750.D
 Acq: 10 Mar 2023 19:47

Tgt Ion:228 Resp: 637833
 Ion Ratio Lower Upper
 228 100
 226 29.0 21.7 32.5
 229 20.8 15.4 23.2

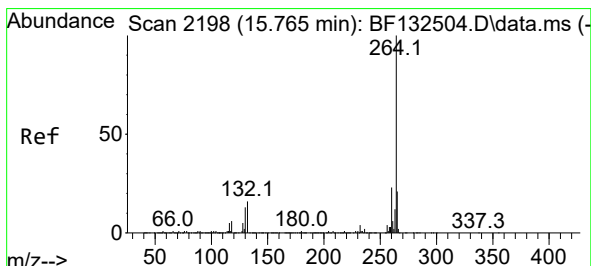
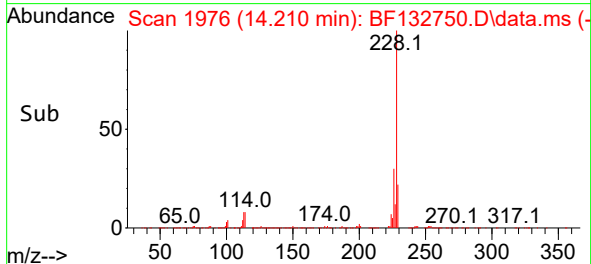
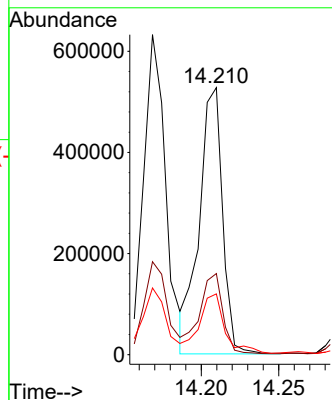
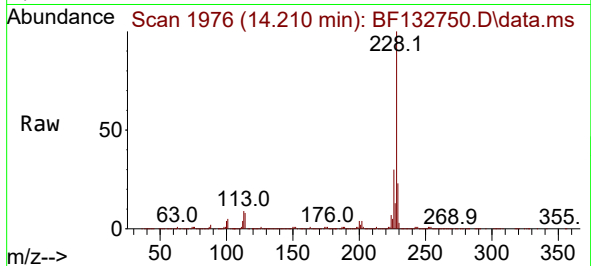




#83
Chrysene
Concen: 20.407 ng
RT: 14.210 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF132750.D
Acq: 10 Mar 2023 19:47

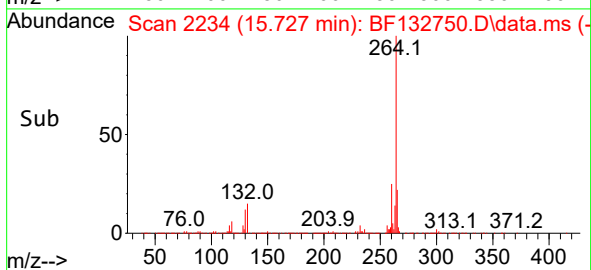
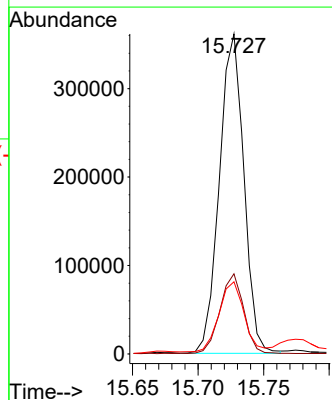
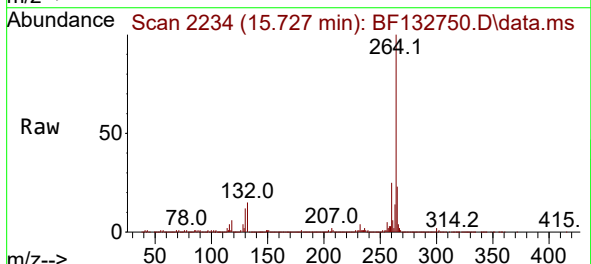
Instrument :
BNA_F
ClientSampleId :
TP-3

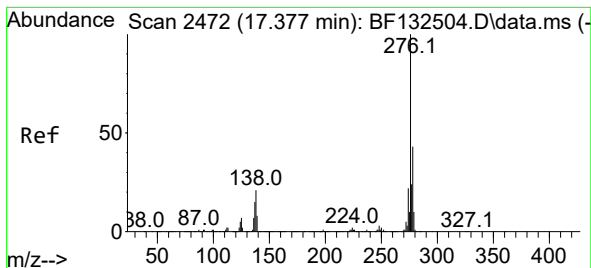
Tgt Ion:228 Resp: 552488
Ion Ratio Lower Upper
228 100
226 30.4 25.0 37.6
229 22.8 16.4 24.6



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.727 min Scan# 2234
Delta R.T. 0.000 min
Lab File: BF132750.D
Acq: 10 Mar 2023 19:47

Tgt Ion:264 Resp: 468560
Ion Ratio Lower Upper
264 100
260 25.1 18.8 28.2
265 22.5 17.1 25.7





#87

Indeno(1,2,3-cd)pyrene

Concen: 8.685 ng

RT: 17.310 min Scan# 2155

Delta R.T. -0.017 min

Lab File: BF132750.D

Acq: 10 Mar 2023 19:47

Instrument :

BNA_F

ClientSampleId :

TP-3

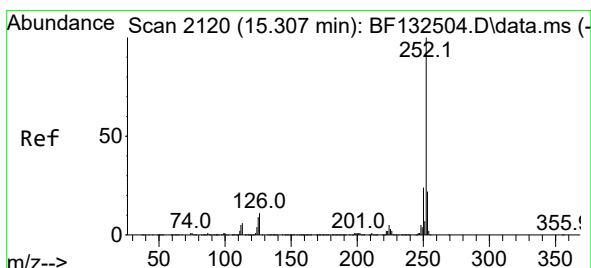
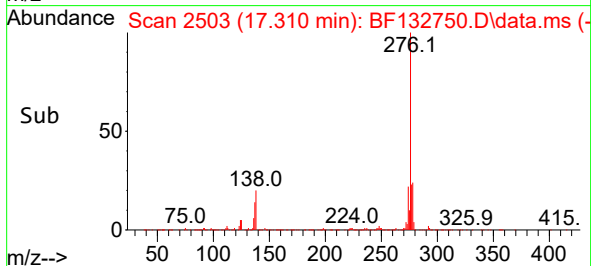
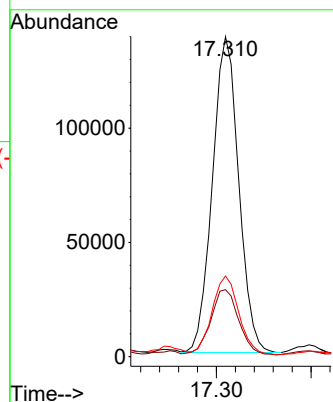
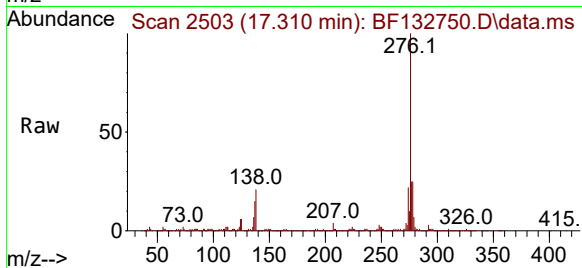
Tgt Ion:276 Resp: 266663

Ion Ratio Lower Upper

276 100

138 21.9 19.0 28.4

277 25.4 20.0 30.0



#88

Benzo(b)fluoranthene

Concen: 30.812 ng

RT: 15.263 min Scan# 2155

Delta R.T. -0.006 min

Lab File: BF132750.D

Acq: 10 Mar 2023 19:47

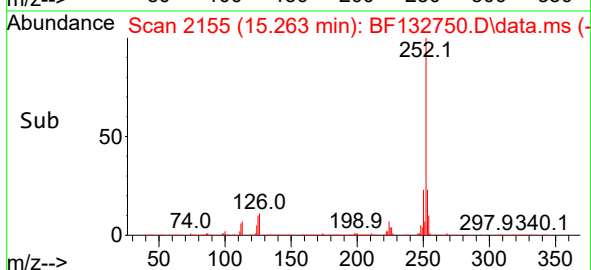
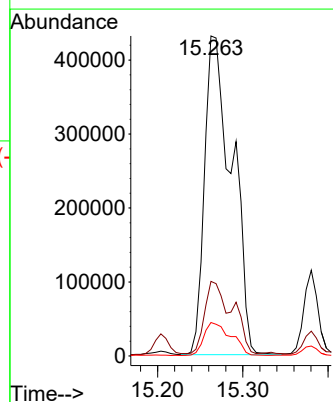
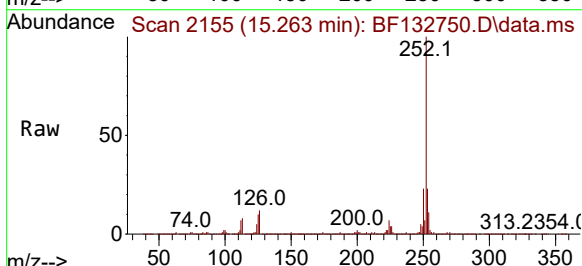
Tgt Ion:252 Resp: 967521

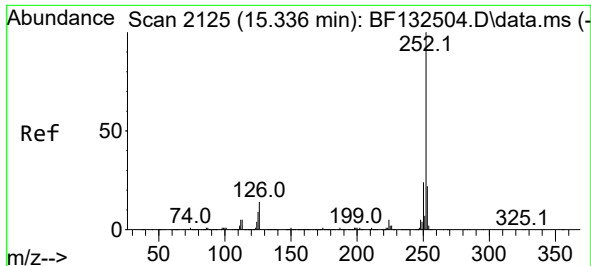
Ion Ratio Lower Upper

252 100

253 23.3 17.4 26.0

125 10.4 7.0 10.6





#89

Benzo(k)fluoranthene

Concen: 31.483 ng

RT: 15.263 min Scan# 2115

Delta R.T. -0.041 min

Lab File: BF132750.D

Acq: 10 Mar 2023 19:47

Instrument :

BNA_F

ClientSampleId :

TP-3

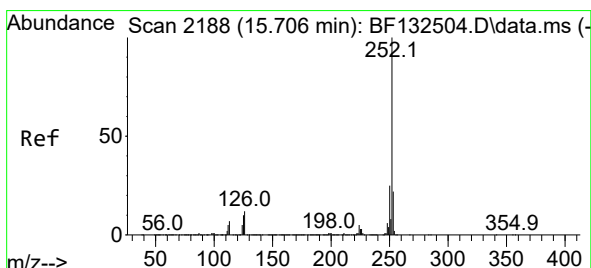
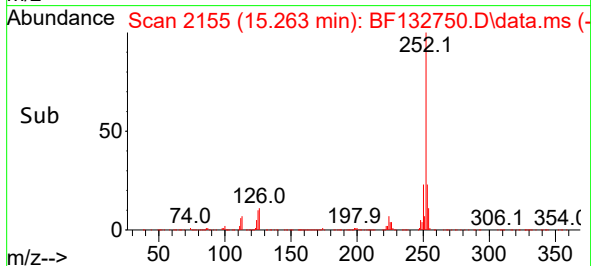
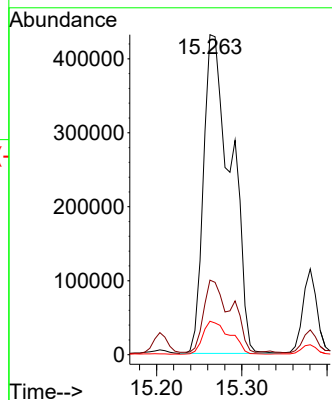
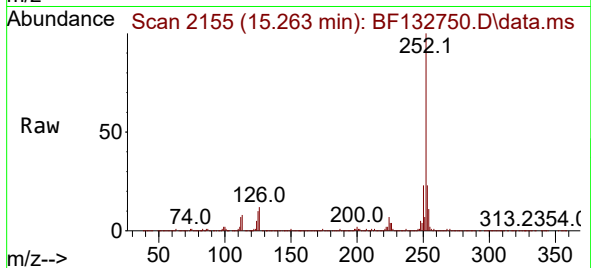
Tgt Ion:252 Resp: 967521

Ion Ratio Lower Upper

252 100

253 23.3 17.5 26.3

125 10.4 7.2 10.8



#90

Benzo(a)pyrene

Concen: 17.928 ng

RT: 15.657 min Scan# 2222

Delta R.T. -0.006 min

Lab File: BF132750.D

Acq: 10 Mar 2023 19:47

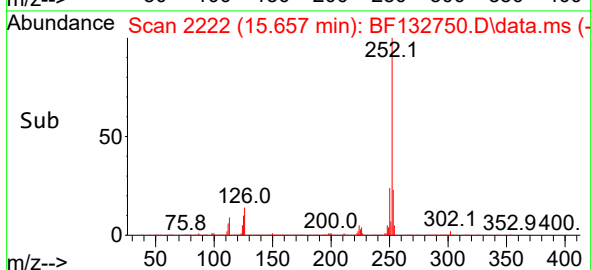
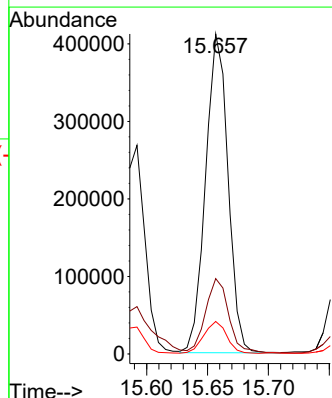
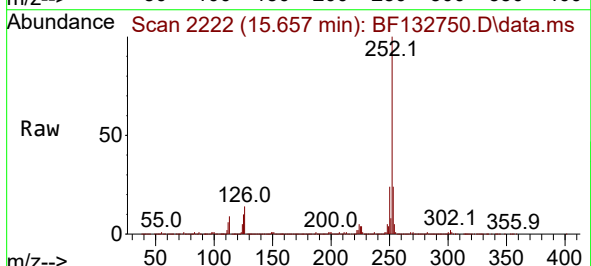
Tgt Ion:252 Resp: 526876

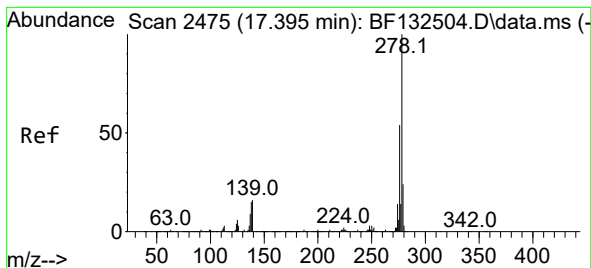
Ion Ratio Lower Upper

252 100

253 23.5 17.2 25.8

125 10.1 8.0 12.0





#91

Dibenzo(a,h)anthracene

Concen: 3.335 ng

RT: 17.321 min Scan# 21

Delta R.T. -0.023 min

Lab File: BF132750.D

Acq: 10 Mar 2023 19:47

Instrument :

BNA_F

ClientSampleId :

TP-3

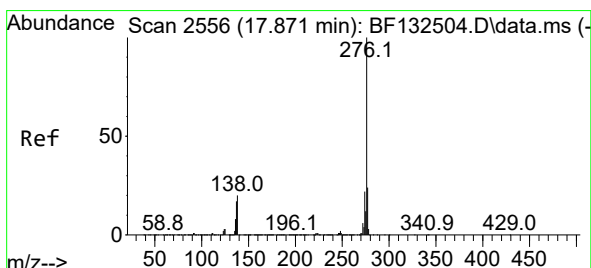
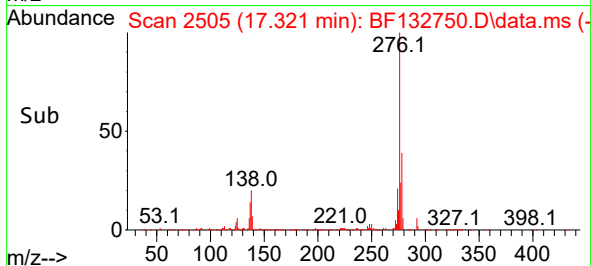
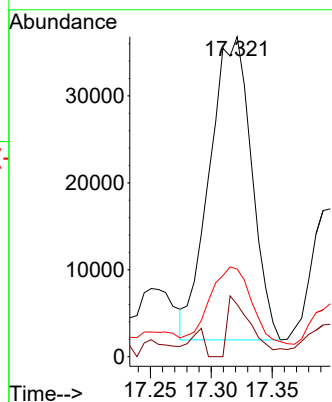
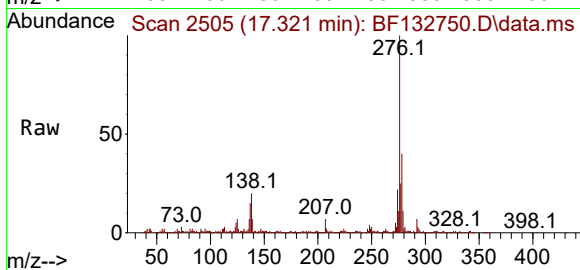
Tgt Ion:278 Resp: 83420

Ion Ratio Lower Upper

278 100

139 16.3 13.0 19.4

279 27.4 19.0 28.4



#92

Benzo(g,h,i)perylene

Concen: 8.918 ng

RT: 17.792 min Scan# 2585

Delta R.T. -0.023 min

Lab File: BF132750.D

Acq: 10 Mar 2023 19:47

Tgt Ion:276 Resp: 213661

Ion Ratio Lower Upper

276 100

277 23.2 18.9 28.3

138 21.4 16.2 24.4

