

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF051222\
 Data File : BF128220.D
 Acq On : 12 May 2022 15:40
 Operator : CG\JU
 Sample : N2769-01DL 5X
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 CL-02-051022DL

Quant Time: May 13 05:15:08 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF050922.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon May 09 15:30:11 2022
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.893	152	67095	20.000	ng	0.00
21) Naphthalene-d8	8.175	136	240266	20.000	ng	0.00
39) Acenaphthene-d10	9.933	164	121174	20.000	ng	0.00
64) Phenanthrene-d10	11.428	188	183613	20.000	ng	# 0.00
76) Chrysene-d12	14.074	240	156624	20.000	ng	0.00
86) Perylene-d12	15.574	264	172458	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.510	112	74286	17.650	ng	0.00
7) Phenol-d6	6.516	99	94180	16.918	ng	-0.01
23) Nitrobenzene-d5	7.451	82	64307	12.043	ng	-0.01
42) 2,4,6-Tribromophenol	10.728	330	19030	13.693	ng	0.00
45) 2-Fluorobiphenyl	9.251	172	111313	14.374	ng	0.00
79) Terphenyl-d14	13.010	244	93321	11.180	ng	0.00
Target Compounds						Qvalue
9) Benzaldehyde	6.516	77	128	Below Cal	#	3
19) n-Nitroso-di-n-propyla...	7.451	70	8616	2.513	ng	# 82
25) Isophorone	7.451	82	64306	7.682	ng	# 68
51) 2,6-Dinitrotoluene	9.933	165	15734	9.173	ng	# 22
56) 4-Nitrophenol	10.139	139	4939	3.801	ng	# 2
57) 2,4-Dinitrotoluene	9.933	165	15734	6.860	ng	# 26
58) Fluorene	10.480	166	18467	2.435	ng	94
71) Phenanthrene	11.451	178	151682	16.590	ng	99
72) Anthracene	11.498	178	60690	6.649	ng	99
75) Fluoranthene	12.645	202	346247	34.931	ng	96
78) Pyrene	12.874	202	307483	27.075	ng	99
81) Benzo(a)anthracene	14.063	228	239565	23.947	ng	97
83) Chrysene	14.098	228	193573	20.279	ng	98
87) Indeno(1,2,3-cd)pyrene	17.098	276	147814	14.169	ng	# 94
88) Benzo(b)fluoranthene	15.133	252	456922	42.741	ng	98
89) Benzo(k)fluoranthene	15.133	252	456922	43.298	ng	97
90) Benzo(a)pyrene	15.510	252	249606	28.921	ng	98
91) Dibenzo(a,h)anthracene	17.280	278	32856	3.890	ng	94
92) Benzo(g,h,i)perylene	17.562	276	126332	14.773	ng	97

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

Quant Time: May 13 05:15:08 2022
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF050922.M
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QLast Update : Mon May 09 15:30:11 2022
Response via : Initial Calibration

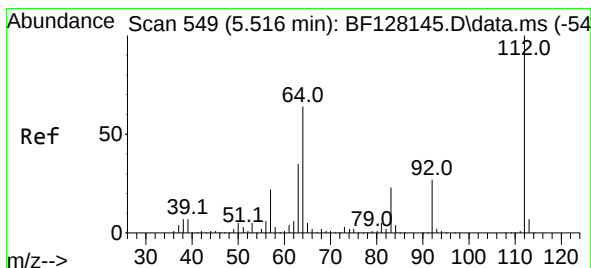
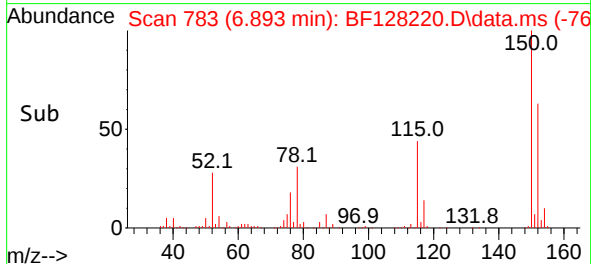
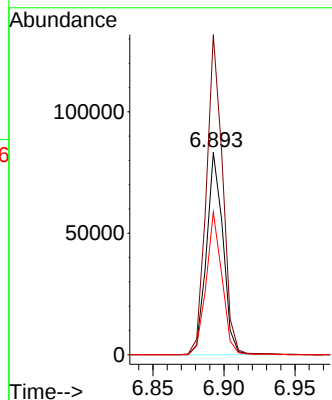
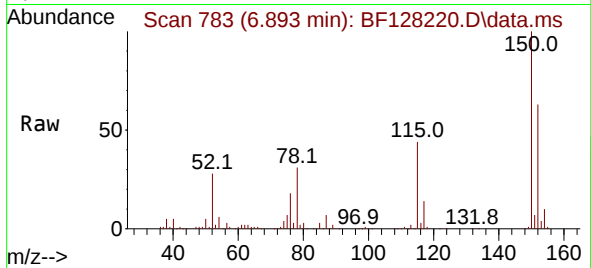




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.893 min Scan# 71
Delta R.T. 0.000 min
Lab File: BF128220.D
Acq: 12 May 2022 15:40

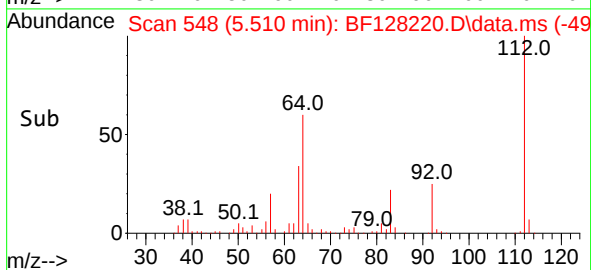
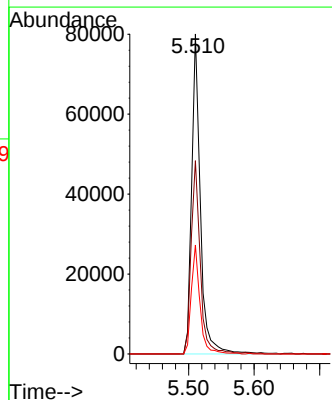
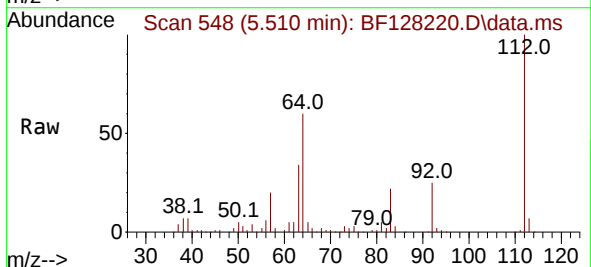
Instrument :
BNA_F
ClientSampleId :
CL-02-051022DL

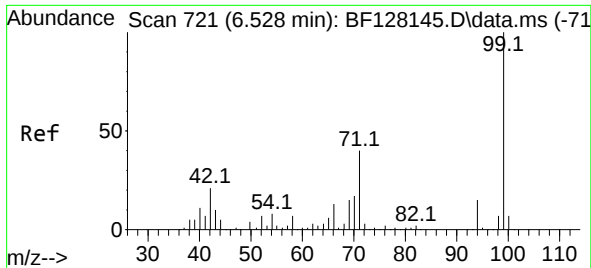
Tgt Ion:152 Resp: 67095
Ion Ratio Lower Upper
152 100
150 158.2 125.3 187.9
115 70.4 48.8 73.2



#5
2-Fluorophenol
Concen: 17.650 ng
RT: 5.510 min Scan# 548
Delta R.T. -0.006 min
Lab File: BF128220.D
Acq: 12 May 2022 15:40

Tgt Ion:112 Resp: 74286
Ion Ratio Lower Upper
112 100
64 60.4 49.5 74.3
63 34.1 26.3 39.5

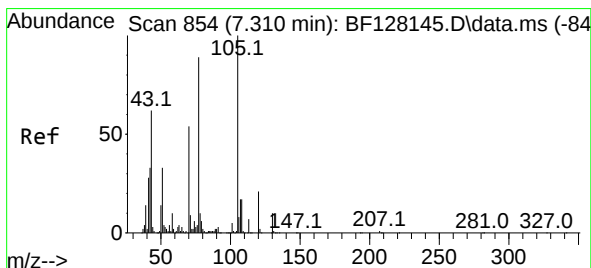
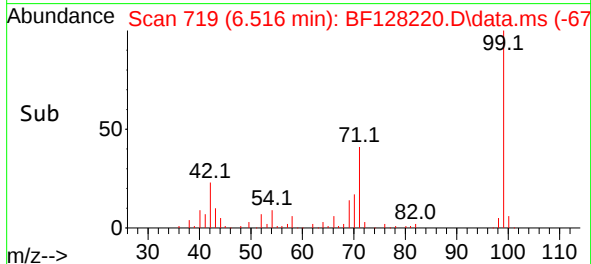
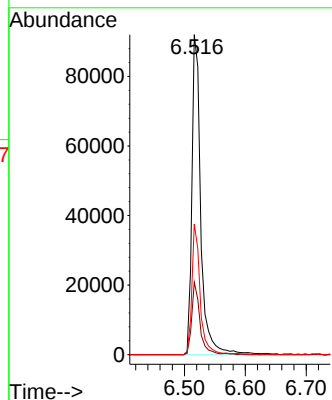
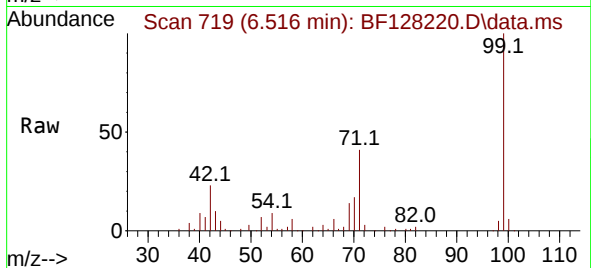




#7
Phenol-d6
Concen: 16.918 ng
RT: 6.516 min Scan# 71
Delta R.T. -0.012 min
Lab File: BF128220.D
Acq: 12 May 2022 15:40

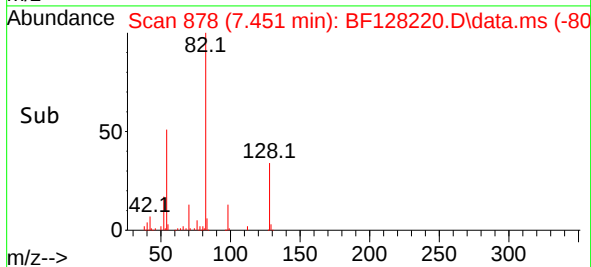
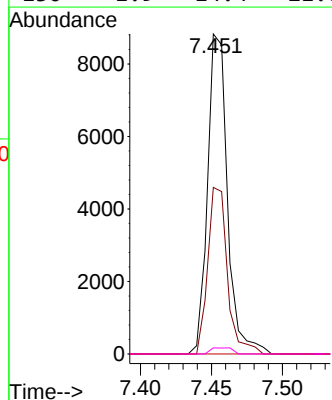
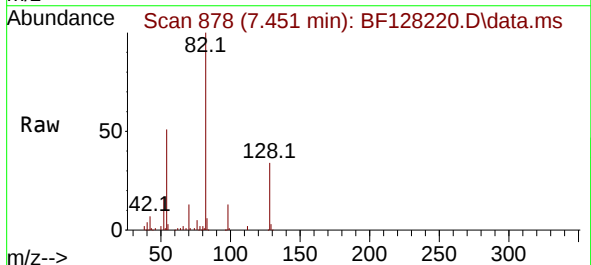
Instrument :
BNA_F
ClientSampleId :
CL-02-051022DL

Tgt Ion: 99 Resp: 94180
Ion Ratio Lower Upper
99 100
42 22.6 16.6 24.8
71 40.8 30.0 45.0



#19
n-Nitroso-di-n-propylamine
Concen: 2.513 ng
RT: 7.451 min Scan# 878
Delta R.T. 0.141 min
Lab File: BF128220.D
Acq: 12 May 2022 15:40

Tgt Ion: 70 Resp: 8616
Ion Ratio Lower Upper
70 100
42 52.1 48.7 73.1
101 0.0 7.2 10.8#
130 1.9 14.4 21.6#

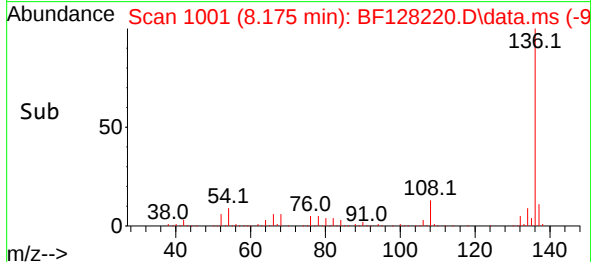
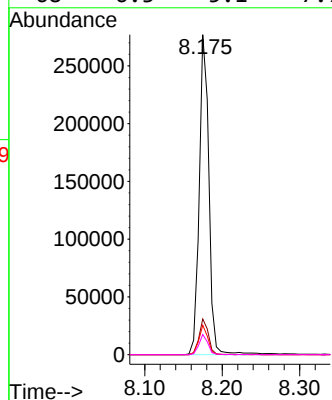
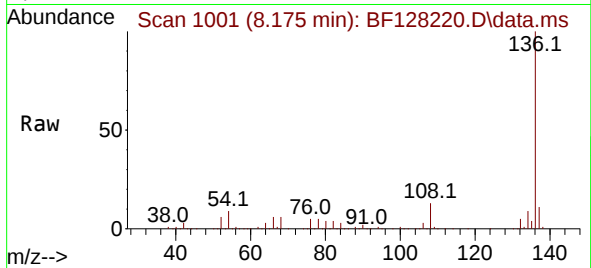




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.175 min Scan# 10
Delta R.T. -0.006 min
Lab File: BF128220.D
Acq: 12 May 2022 15:40

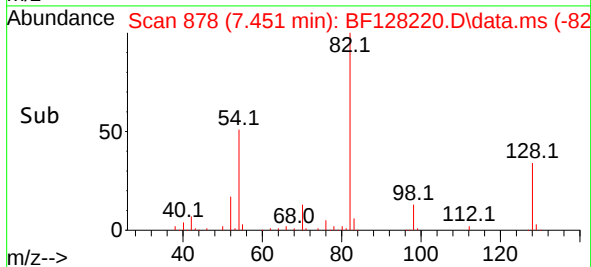
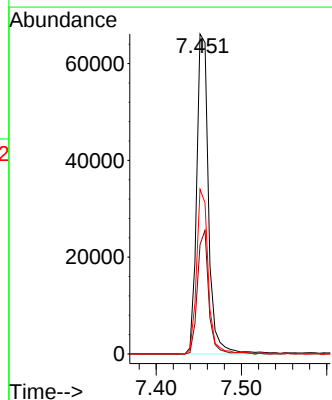
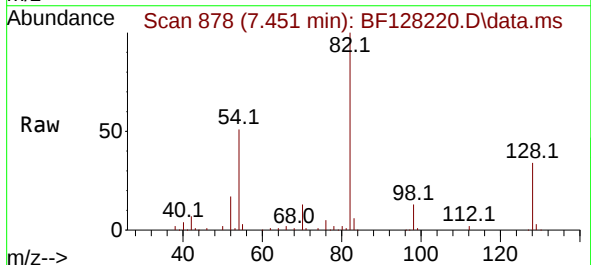
Instrument :
BNA_F
ClientSampleId :
CL-02-051022DL

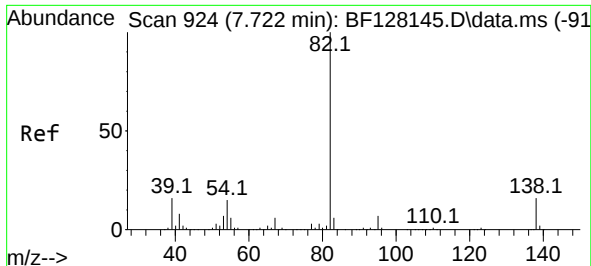
Tgt Ion:136	Resp: 240266
Ion Ratio	Lower Upper
136 100	
137 11.1	8.6 13.0
54 9.2	6.8 10.2
68 6.3	5.1 7.7



#23
Nitrobenzene-d5
Concen: 12.043 ng
RT: 7.451 min Scan# 878
Delta R.T. -0.012 min
Lab File: BF128220.D
Acq: 12 May 2022 15:40

Tgt Ion: 82	Resp: 64307
Ion Ratio	Lower Upper
82 100	
128 34.2	30.0 45.0
54 51.4	41.3 61.9

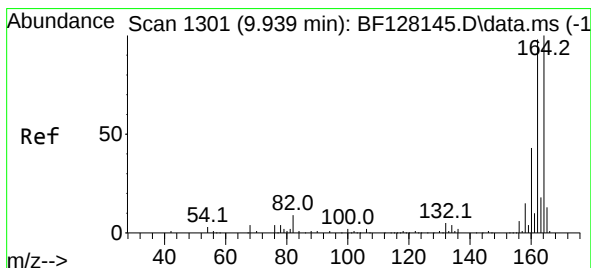
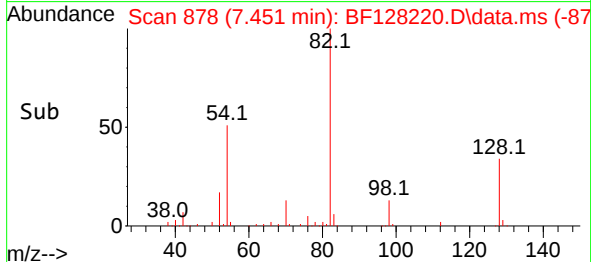
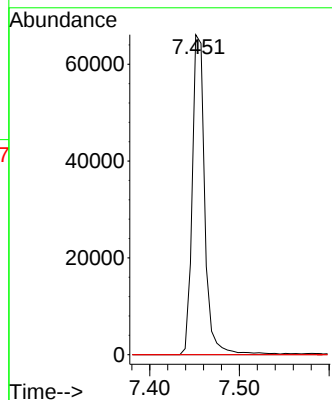
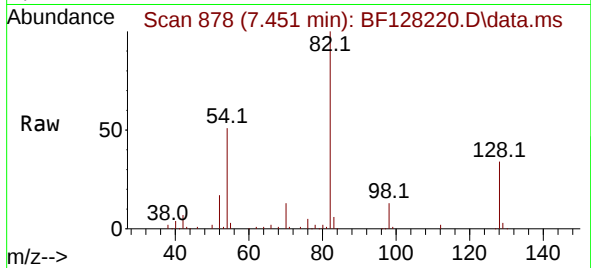




#25
Isophorone
Concen: 7.682 ng
RT: 7.451 min Scan# 81
Delta R.T. -0.271 min
Lab File: BF128220.D
Acq: 12 May 2022 15:40

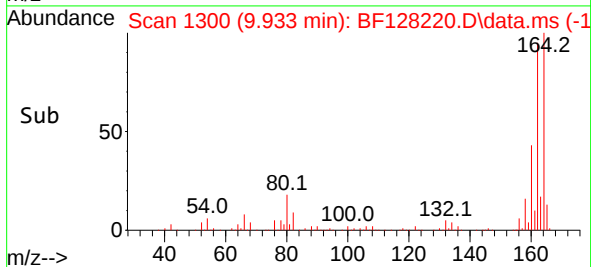
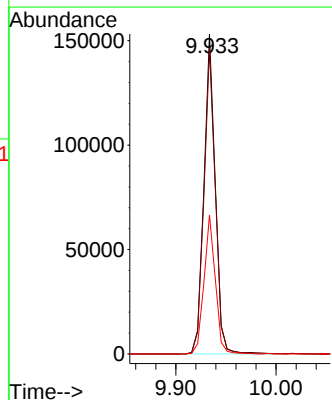
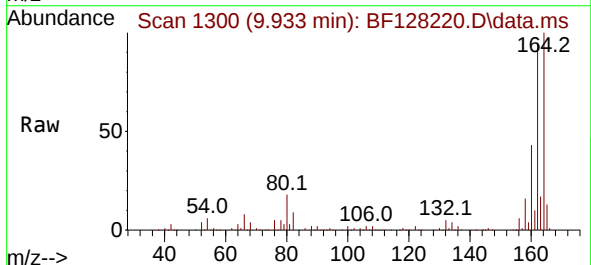
Instrument :
BNA_F
ClientSampleId :
CL-02-051022DL

Tgt Ion: 82 Resp: 64306
Ion Ratio Lower Upper
82 100
95 0.0 5.6 8.4#
138 0.0 12.5 18.7#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.933 min Scan# 1300
Delta R.T. -0.006 min
Lab File: BF128220.D
Acq: 12 May 2022 15:40

Tgt Ion:164 Resp: 121174
Ion Ratio Lower Upper
164 100
162 95.4 76.0 114.0
160 43.5 34.8 52.2





#42

2,4,6-Tribromophenol

Concen: 13.693 ng

RT: 10.728 min Scan# 1435

Delta R.T. -0.006 min

Lab File: BF128220.D

Acq: 12 May 2022 15:40

Instrument :

BNA_F

ClientSampleId :

CL-02-051022DL

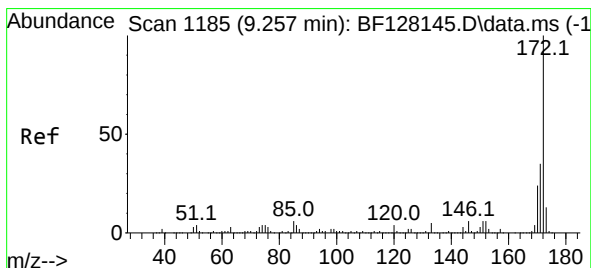
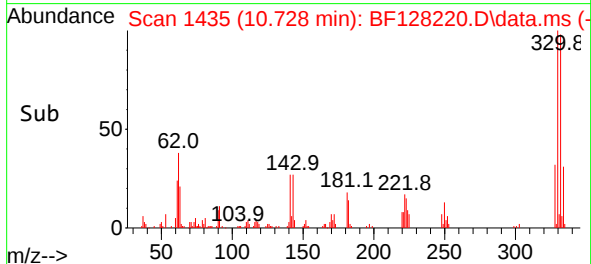
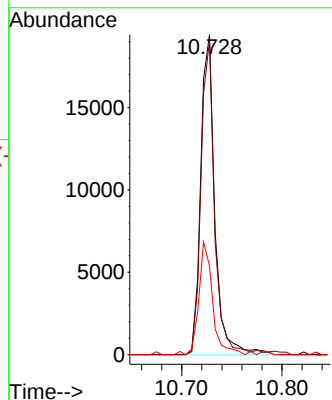
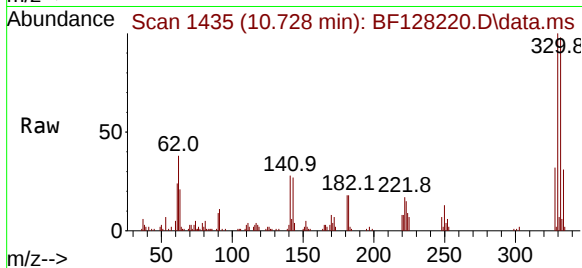
Tgt Ion:330 Resp: 19030

Ion Ratio Lower Upper

330 100

332 93.7 79.0 118.4

141 34.2 28.9 43.3



#45

2-Fluorobiphenyl

Concen: 14.374 ng

RT: 9.251 min Scan# 1184

Delta R.T. -0.006 min

Lab File: BF128220.D

Acq: 12 May 2022 15:40

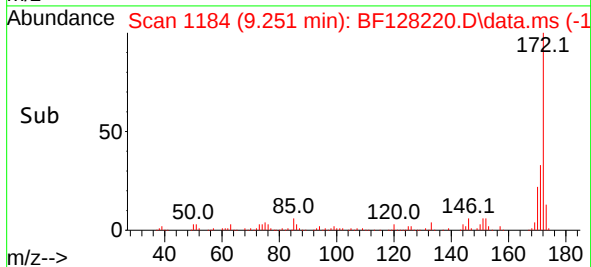
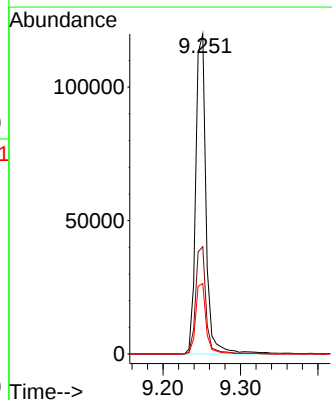
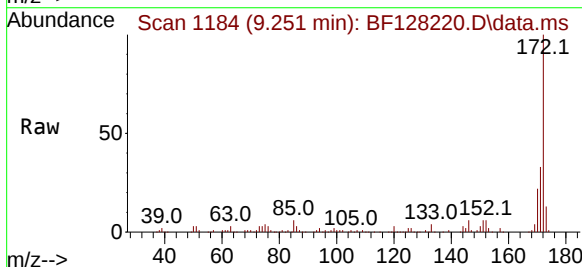
Tgt Ion:172 Resp: 111313

Ion Ratio Lower Upper

172 100

171 33.5 28.6 42.8

170 22.0 19.1 28.7

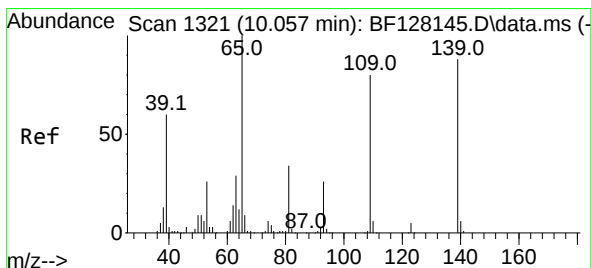
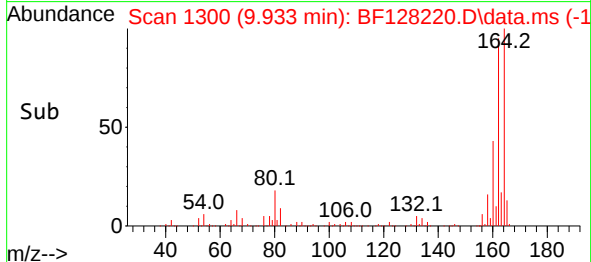
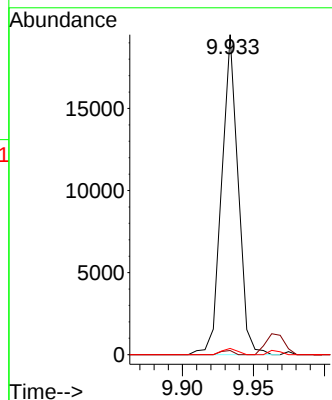
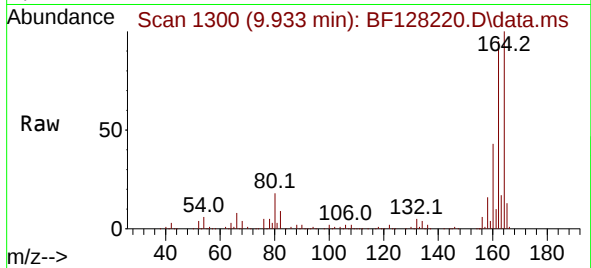




#51
2,6-Dinitrotoluene
Concen: 9.173 ng
RT: 9.933 min Scan# 11
Delta R.T. 0.206 min
Lab File: BF128220.D
Acq: 12 May 2022 15:40

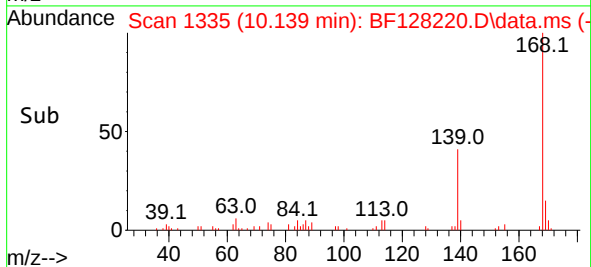
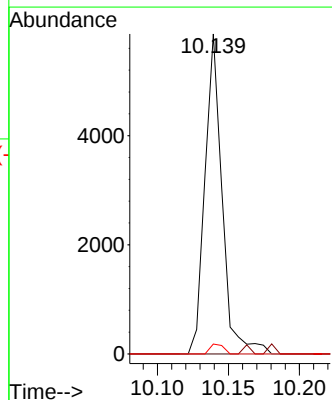
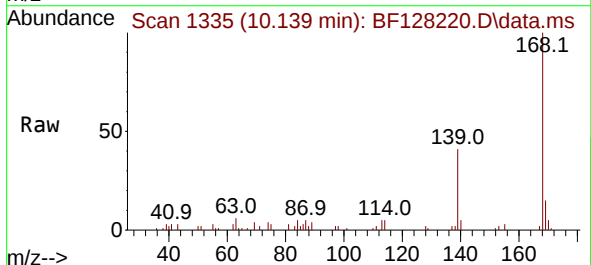
Instrument :
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CL-02-051022DL

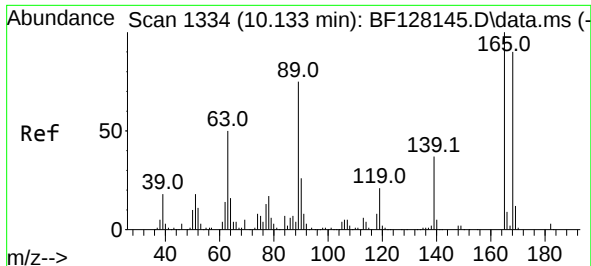
Tgt Ion:165 Resp: 15734
Ion Ratio Lower Upper
165 100
63 1.3 49.5 74.3#
89 2.0 49.0 73.4#



#56
4-Nitrophenol
Concen: 3.801 ng
RT: 10.139 min Scan# 1335
Delta R.T. 0.082 min
Lab File: BF128220.D
Acq: 12 May 2022 15:40

Tgt Ion:139 Resp: 4939
Ion Ratio Lower Upper
139 100
109 0.0 61.9 101.9#
65 3.1 93.5 133.5#

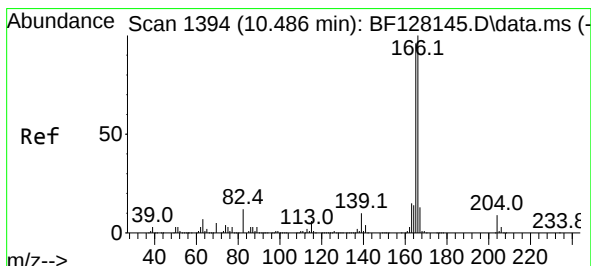
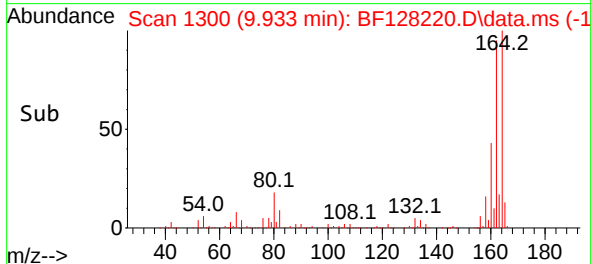
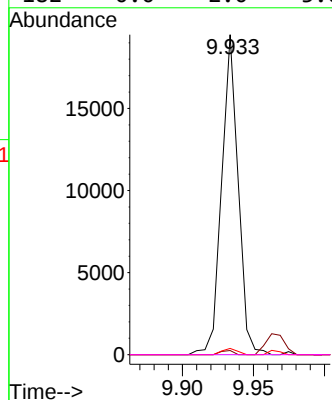
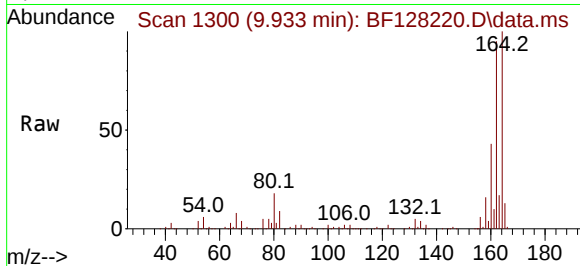




#57
2,4-Dinitrotoluene
Concen: 6.860 ng
RT: 9.933 min Scan# 11
Delta R.T. -0.200 min
Lab File: BF128220.D
Acq: 12 May 2022 15:40

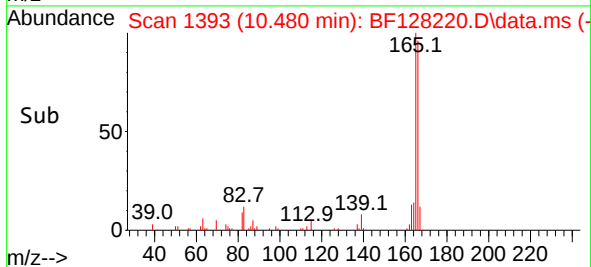
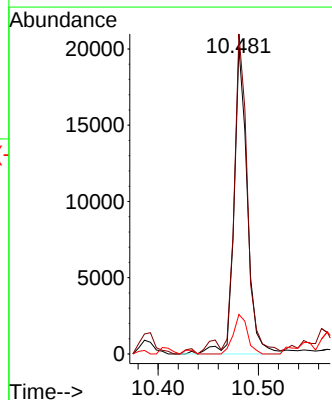
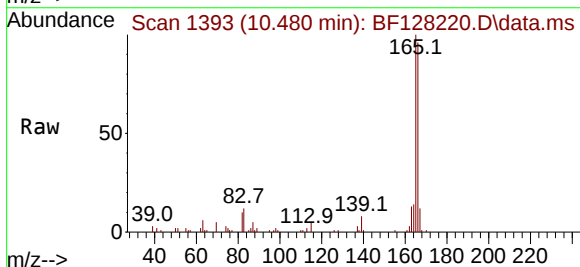
Instrument :
BNA_F
ClientSampleId :
CL-02-051022DL

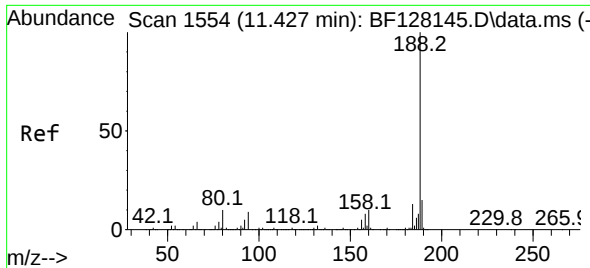
Tgt Ion:165 Resp: 15734
Ion Ratio Lower Upper
165 100
63 1.3 32.6 49.0#
89 2.0 55.2 82.8#
182 0.0 2.0 3.0#



#58
Fluorene
Concen: 2.435 ng
RT: 10.480 min Scan# 1393
Delta R.T. -0.006 min
Lab File: BF128220.D
Acq: 12 May 2022 15:40

Tgt Ion:166 Resp: 18467
Ion Ratio Lower Upper
166 100
165 104.3 78.6 117.8
167 12.9 10.5 15.7

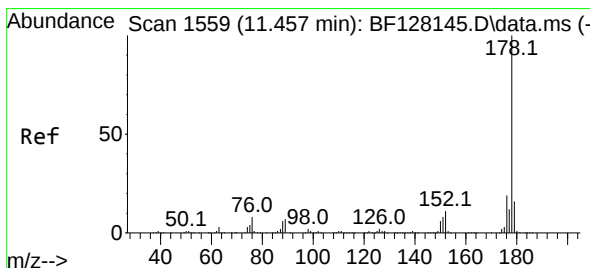
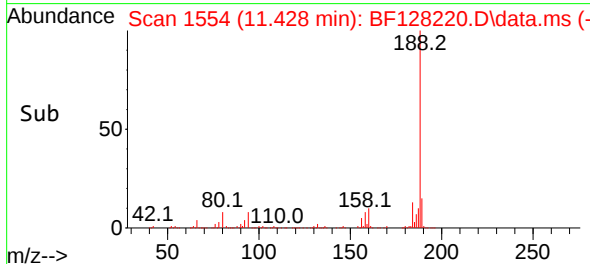
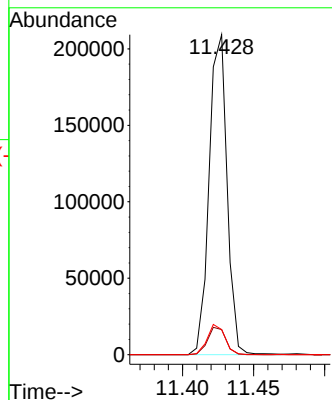
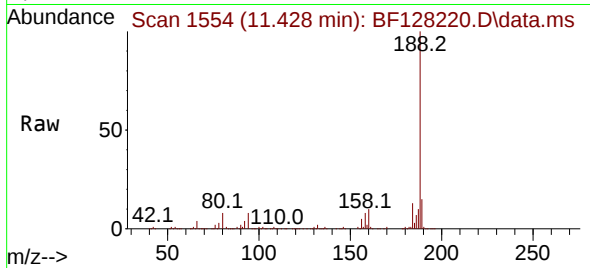




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.428 min Scan# 11
Delta R.T. 0.000 min
Lab File: BF128220.D
Acq: 12 May 2022 15:40

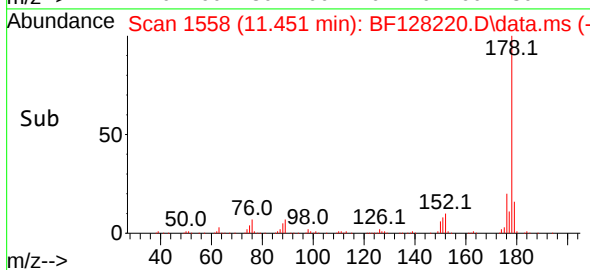
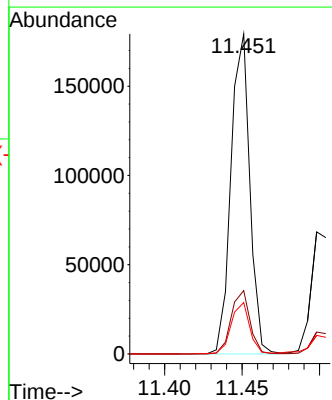
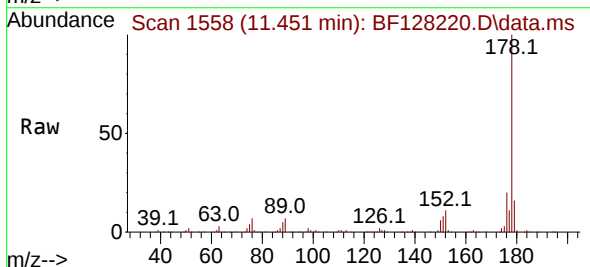
Instrument :
BNA_F
ClientSampleId :
CL-02-051022DL

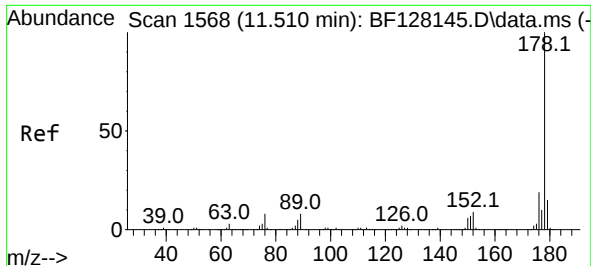
Tgt Ion:188 Resp: 183613
Ion Ratio Lower Upper
188 100
94 7.8 8.0 12.0#
80 7.9 8.9 13.3#



#71
Phenanthrene
Concen: 16.590 ng
RT: 11.451 min Scan# 1558
Delta R.T. -0.006 min
Lab File: BF128220.D
Acq: 12 May 2022 15:40

Tgt Ion:178 Resp: 151682
Ion Ratio Lower Upper
178 100
176 19.8 15.7 23.5
179 16.0 12.6 19.0

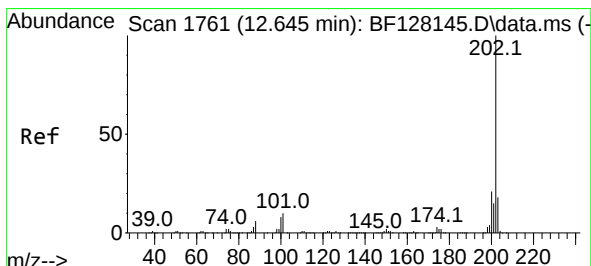
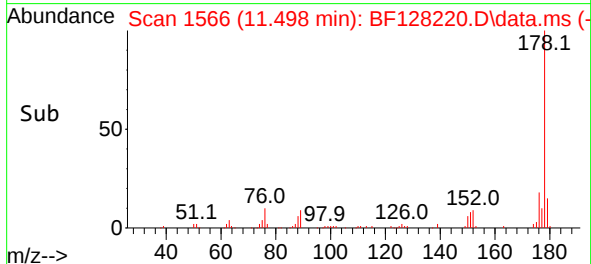
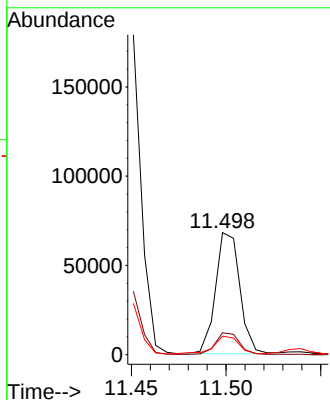
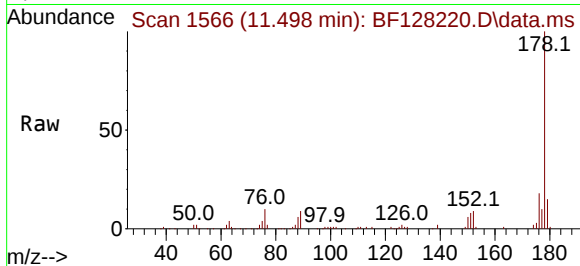




#72
 Anthracene
 Concen: 6.649 ng
 RT: 11.498 min Scan# 1566
 Delta R.T. -0.012 min
 Lab File: BF128220.D
 Acq: 12 May 2022 15:40

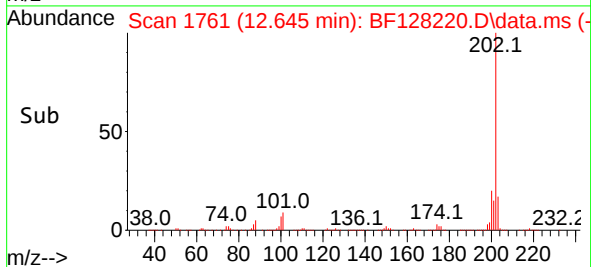
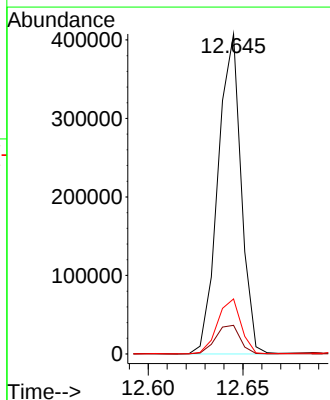
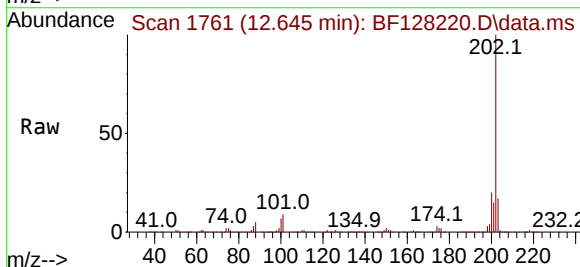
Instrument :
 BNA_F
 ClientSampleId :
 CL-02-051022DL

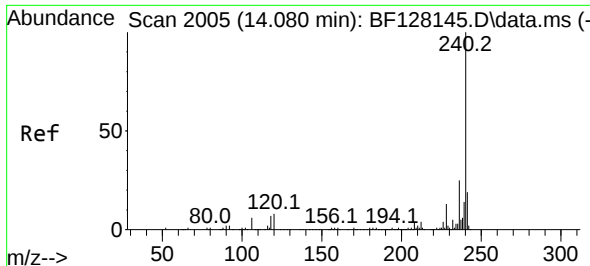
Tgt Ion:178 Resp: 60690
 Ion Ratio Lower Upper
 178 100
 176 17.9 15.0 22.6
 179 15.2 12.4 18.6



#75
 Fluoranthene
 Concen: 34.931 ng
 RT: 12.645 min Scan# 1761
 Delta R.T. 0.000 min
 Lab File: BF128220.D
 Acq: 12 May 2022 15:40

Tgt Ion:202 Resp: 346247
 Ion Ratio Lower Upper
 202 100
 101 9.0 0.0 31.6
 203 17.2 0.0 38.1

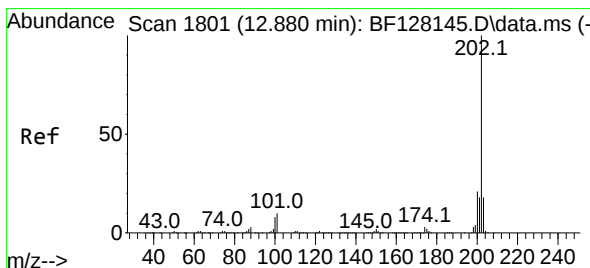
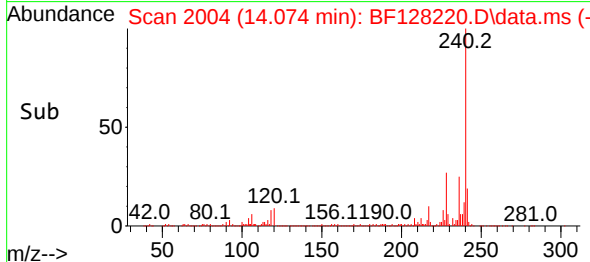
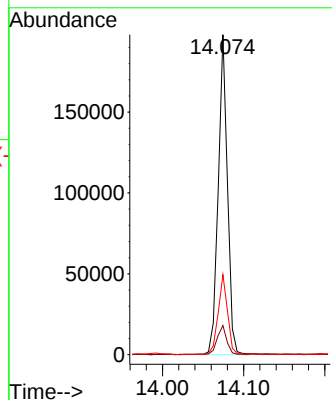
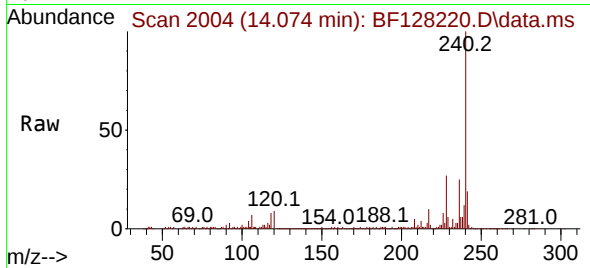




#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.074 min Scan# 20
Delta R.T. -0.006 min
Lab File: BF128220.D
Acq: 12 May 2022 15:40

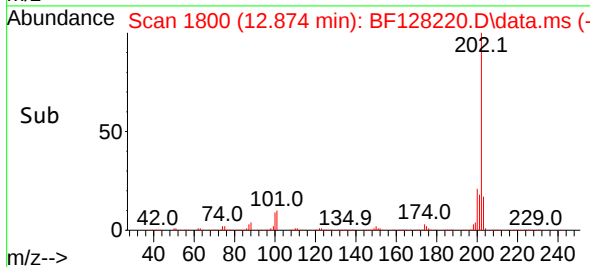
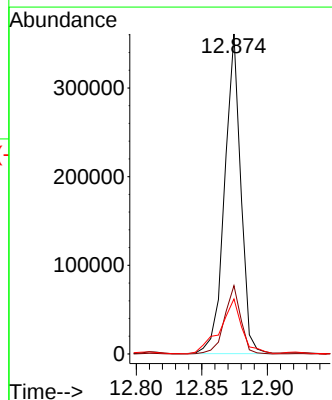
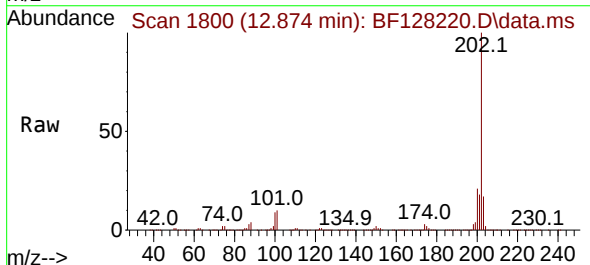
Instrument :
BNA_F
ClientSampleId :
CL-02-051022DL

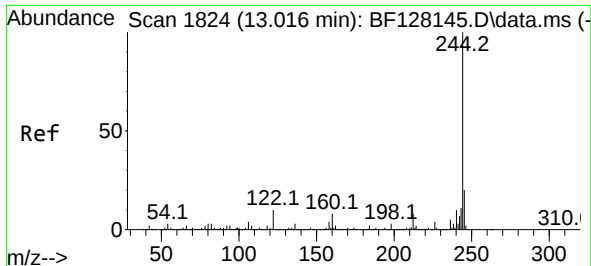
Tgt Ion:240 Resp: 156624
Ion Ratio Lower Upper
240 100
120 9.1 7.0 10.6
236 25.0 20.3 30.5



#78
Pyrene
Concen: 27.075 ng
RT: 12.874 min Scan# 1800
Delta R.T. -0.006 min
Lab File: BF128220.D
Acq: 12 May 2022 15:40

Tgt Ion:202 Resp: 307483
Ion Ratio Lower Upper
202 100
200 21.3 17.4 26.2
203 17.2 14.0 21.0

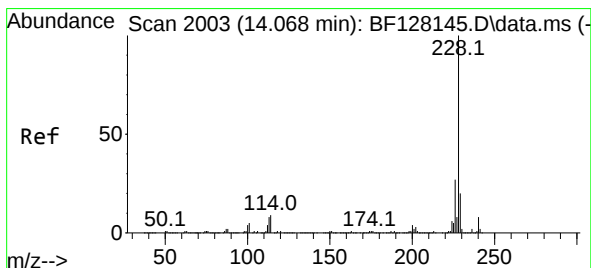
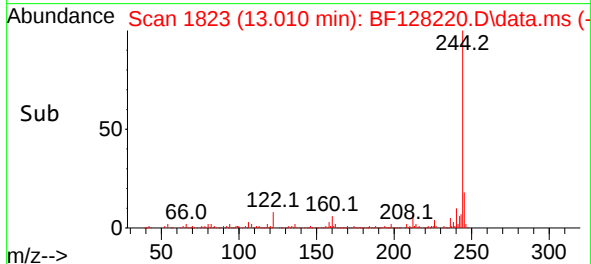
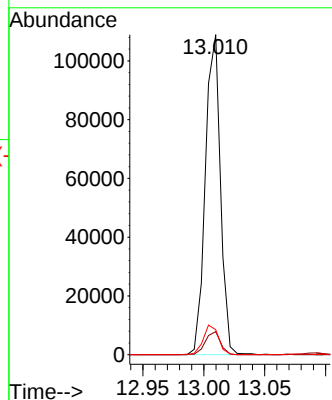
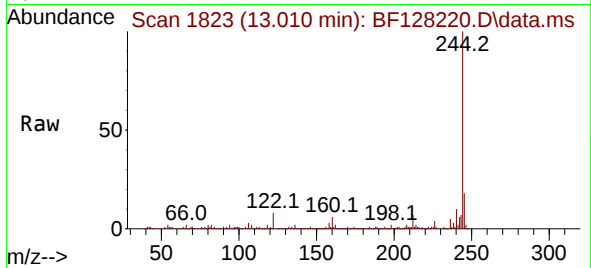




#79
 Terphenyl-d14
 Concen: 11.180 ng
 RT: 13.010 min Scan# 11
 Delta R.T. -0.006 min
 Lab File: BF128220.D
 Acq: 12 May 2022 15:40

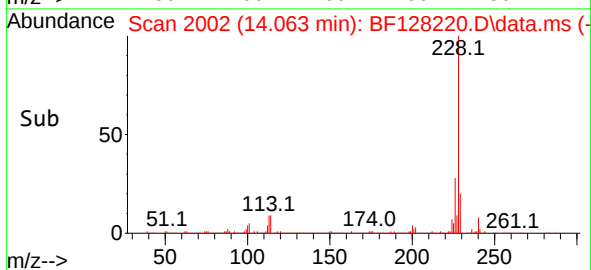
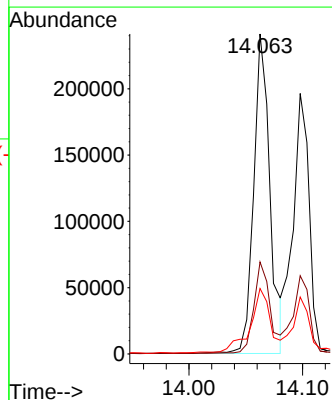
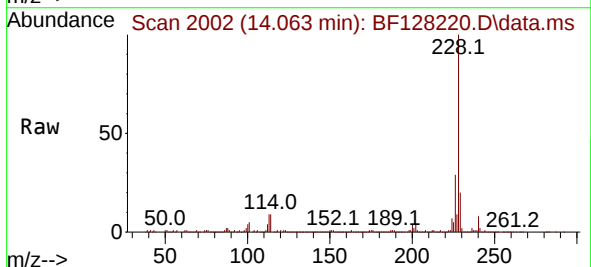
Instrument :
 BNA_F
 ClientSampleId :
 CL-02-051022DL

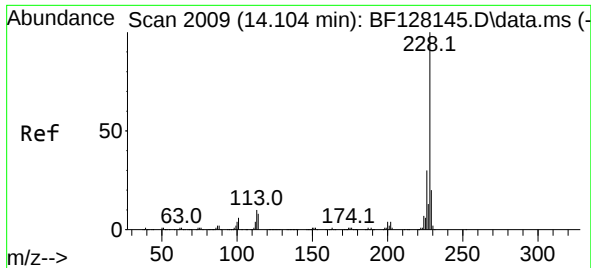
Tgt Ion:244 Resp: 93321
 Ion Ratio Lower Upper
 244 100
 212 7.2 6.2 9.4
 122 7.8 8.6 12.8#



#81
 Benzo(a)anthracene
 Concen: 23.947 ng
 RT: 14.063 min Scan# 2002
 Delta R.T. -0.006 min
 Lab File: BF128220.D
 Acq: 12 May 2022 15:40

Tgt Ion:228 Resp: 239565
 Ion Ratio Lower Upper
 228 100
 226 28.8 21.7 32.5
 229 20.5 15.4 23.2





#83

Chrysene

Concen: 20.279 ng

RT: 14.098 min Scan# 2009

Delta R.T. -0.006 min

Lab File: BF128220.D

Acq: 12 May 2022 15:40

Instrument :

BNA_F

ClientSampleId :

CL-02-051022DL

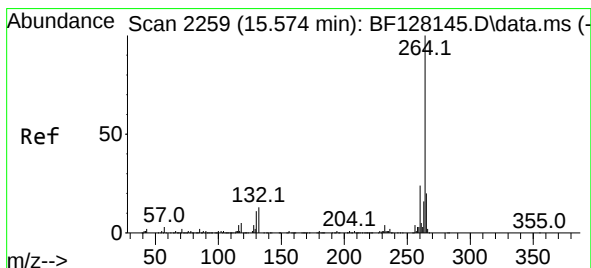
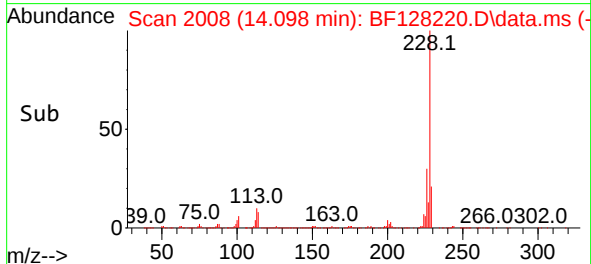
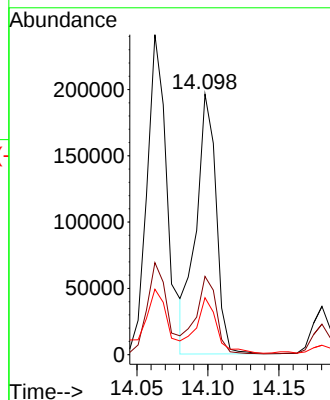
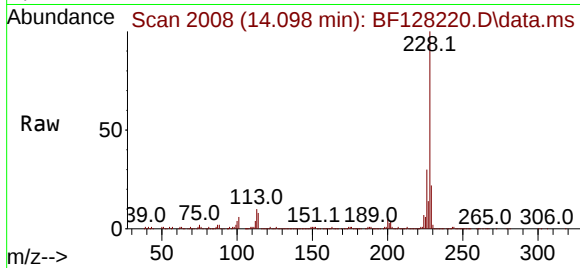
Tgt Ion:228 Resp: 193573

Ion Ratio Lower Upper

228 100

226 30.1 24.4 36.6

229 21.9 15.8 23.8



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.574 min Scan# 2259

Delta R.T. 0.000 min

Lab File: BF128220.D

Acq: 12 May 2022 15:40

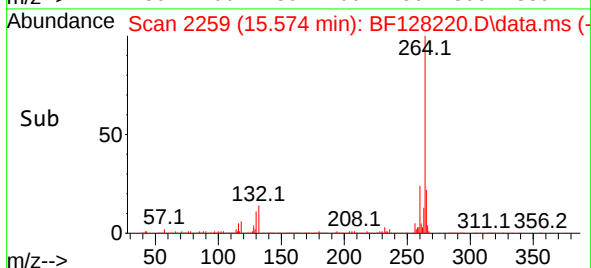
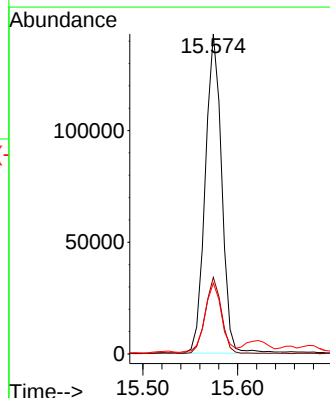
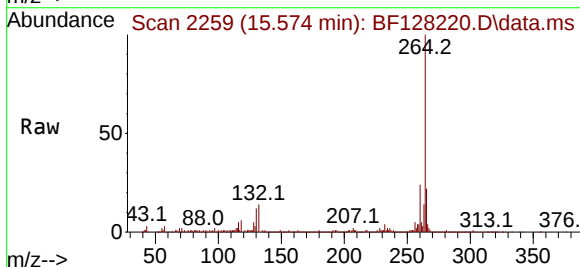
Tgt Ion:264 Resp: 172458

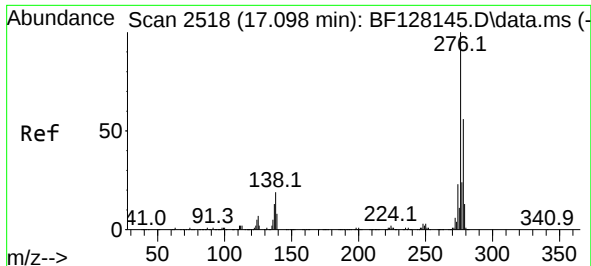
Ion Ratio Lower Upper

264 100

260 23.9 20.1 30.1

265 22.2 17.5 26.3

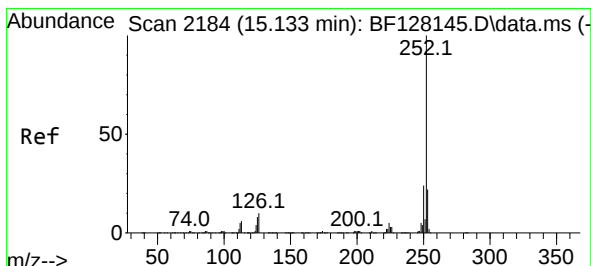
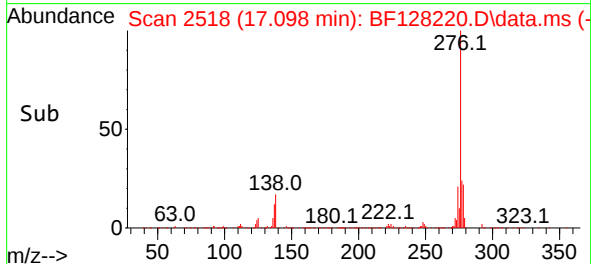
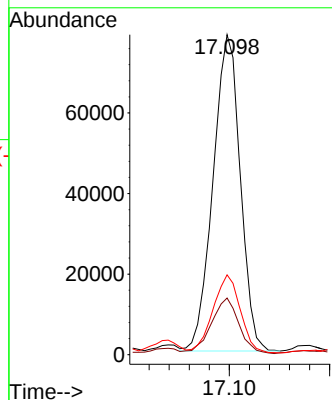
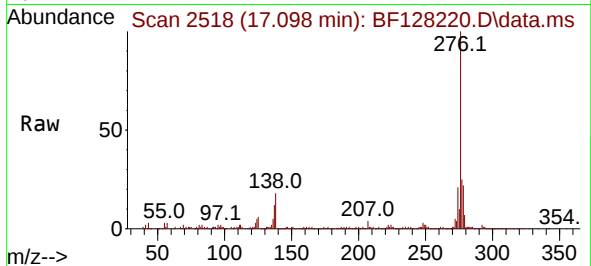




#87
 Indeno(1,2,3-cd)pyrene
 Concen: 14.169 ng
 RT: 17.098 min Scan# 2518
 Delta R.T. 0.000 min
 Lab File: BF128220.D
 Acq: 12 May 2022 15:40

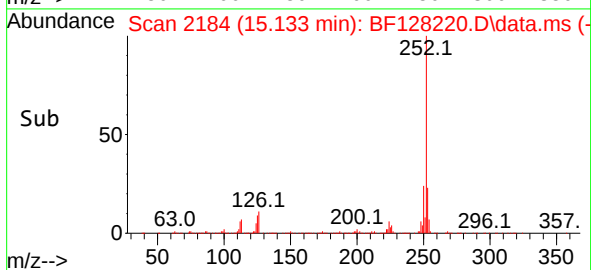
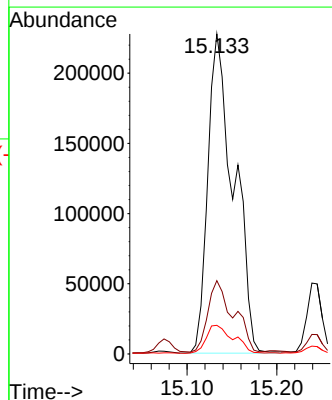
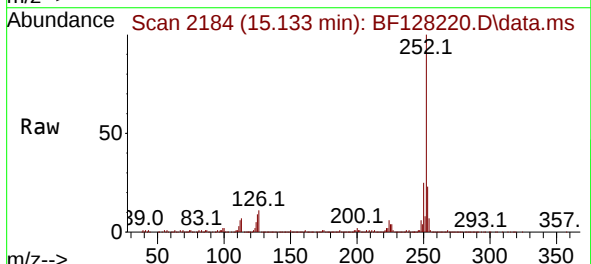
Instrument :
 BNA_F
 ClientSampleId :
 CL-02-051022DL

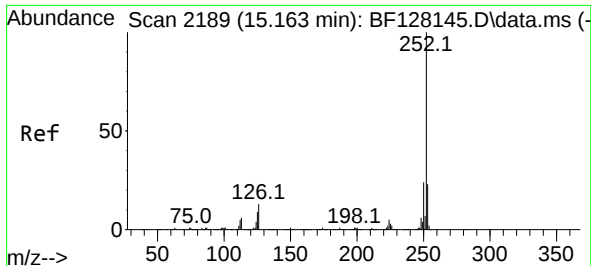
Tgt Ion:276 Resp: 147814
 Ion Ratio Lower Upper
 276 100
 138 17.8 19.0 28.4#
 277 24.8 20.1 30.1



#88
 Benzo(b)fluoranthene
 Concen: 42.741 ng
 RT: 15.133 min Scan# 2184
 Delta R.T. 0.000 min
 Lab File: BF128220.D
 Acq: 12 May 2022 15:40

Tgt Ion:252 Resp: 456922
 Ion Ratio Lower Upper
 252 100
 253 22.9 17.4 26.2
 125 8.9 7.4 11.2

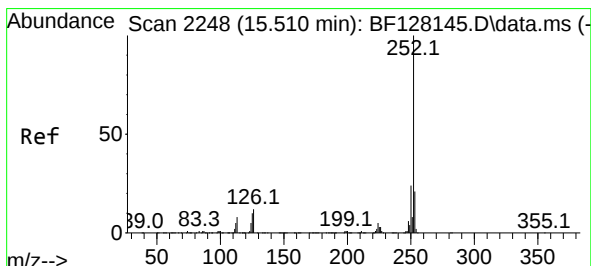
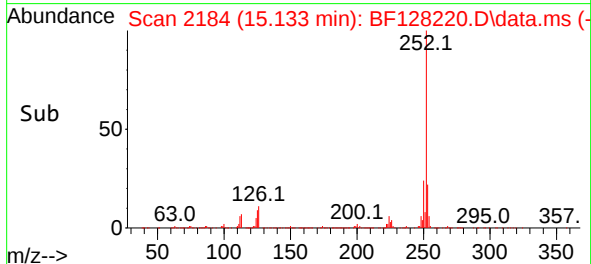
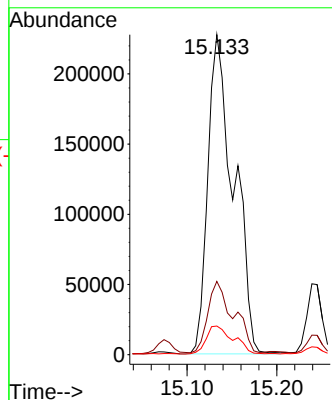
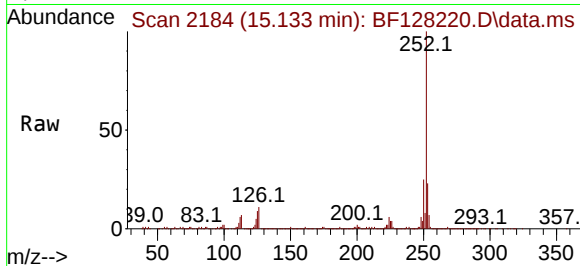




#89
Benzo(k)fluoranthene
Concen: 43.298 ng
RT: 15.133 min Scan# 2189
Delta R.T. -0.029 min
Lab File: BF128220.D
Acq: 12 May 2022 15:40

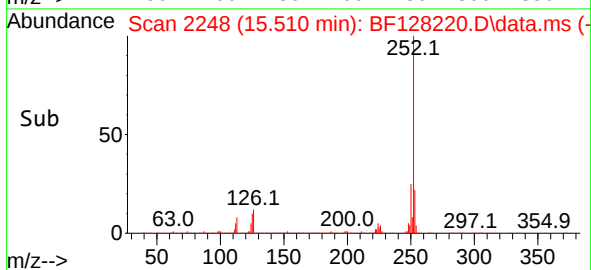
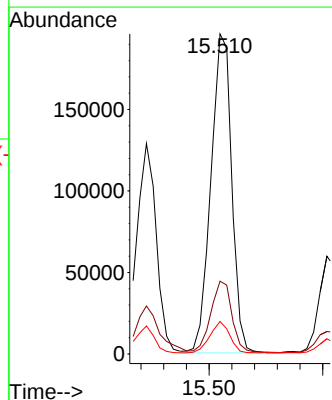
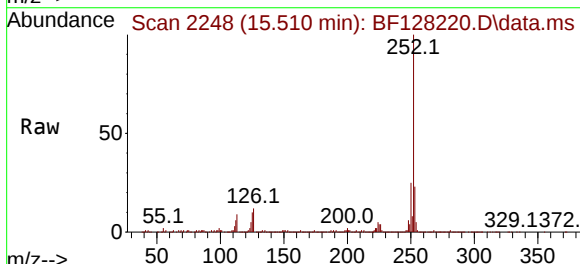
Instrument :
BNA_F
ClientSampleId :
CL-02-051022DL

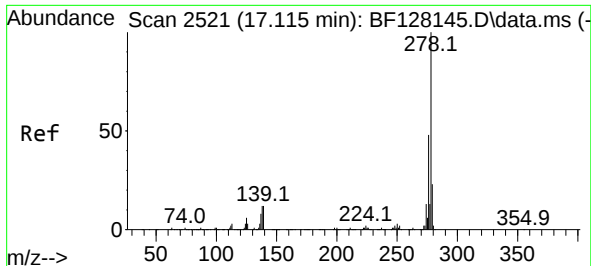
Tgt Ion:252 Resp: 456922
Ion Ratio Lower Upper
252 100
253 22.9 17.0 25.4
125 8.9 6.8 10.2



#90
Benzo(a)pyrene
Concen: 28.921 ng
RT: 15.510 min Scan# 2248
Delta R.T. 0.000 min
Lab File: BF128220.D
Acq: 12 May 2022 15:40

Tgt Ion:252 Resp: 249606
Ion Ratio Lower Upper
252 100
253 22.8 17.8 26.6
125 10.1 9.2 13.8

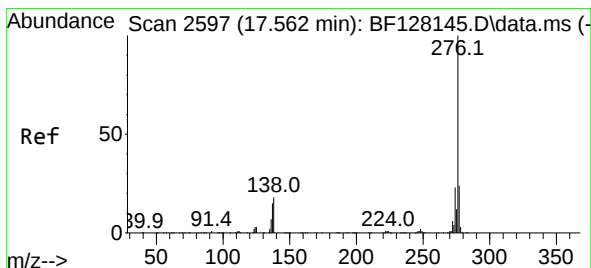
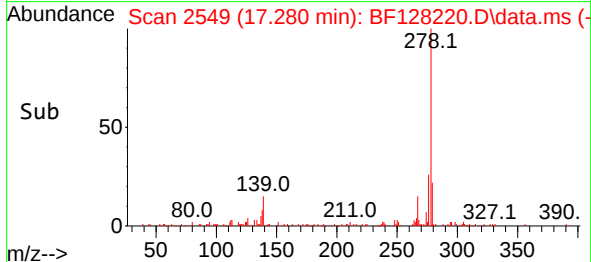
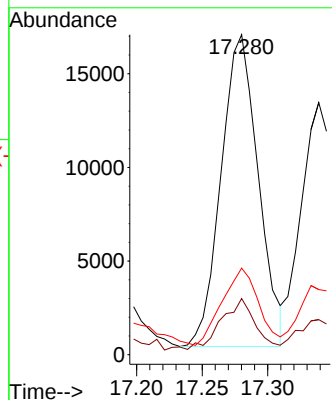
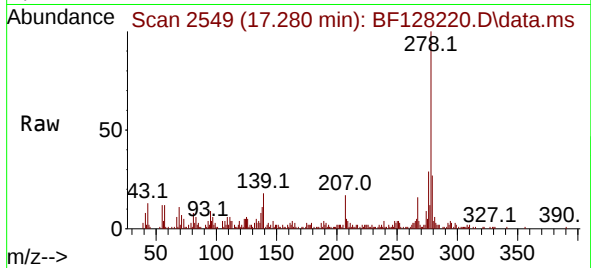




#91
Dibenzo(a,h)anthracene
Concen: 3.890 ng
RT: 17.280 min Scan# 21
Delta R.T. 0.165 min
Lab File: BF128220.D
Acq: 12 May 2022 15:40

Instrument :
BNA_F
ClientSampleId :
CL-02-051022DL

Tgt Ion:278 Resp: 32856
Ion Ratio Lower Upper
278 100
139 17.5 12.6 19.0
279 27.1 18.9 28.3



#92
Benzo(g,h,i)perylene
Concen: 14.773 ng
RT: 17.562 min Scan# 2597
Delta R.T. 0.000 min
Lab File: BF128220.D
Acq: 12 May 2022 15:40

Tgt Ion:276 Resp: 126332
Ion Ratio Lower Upper
276 100
277 25.2 18.8 28.2
138 18.8 16.2 24.2

