

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF082622\
 Data File : BF130030.D
 Acq On : 26 Aug 2022 21:29
 Operator : CG\JU
 Sample : N4378-01 10X
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 CL-01-082522

Quant Time: Aug 27 06:13:43 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF081422.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Aug 25 14:45:09 2022
 Response via : Initial Calibration

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

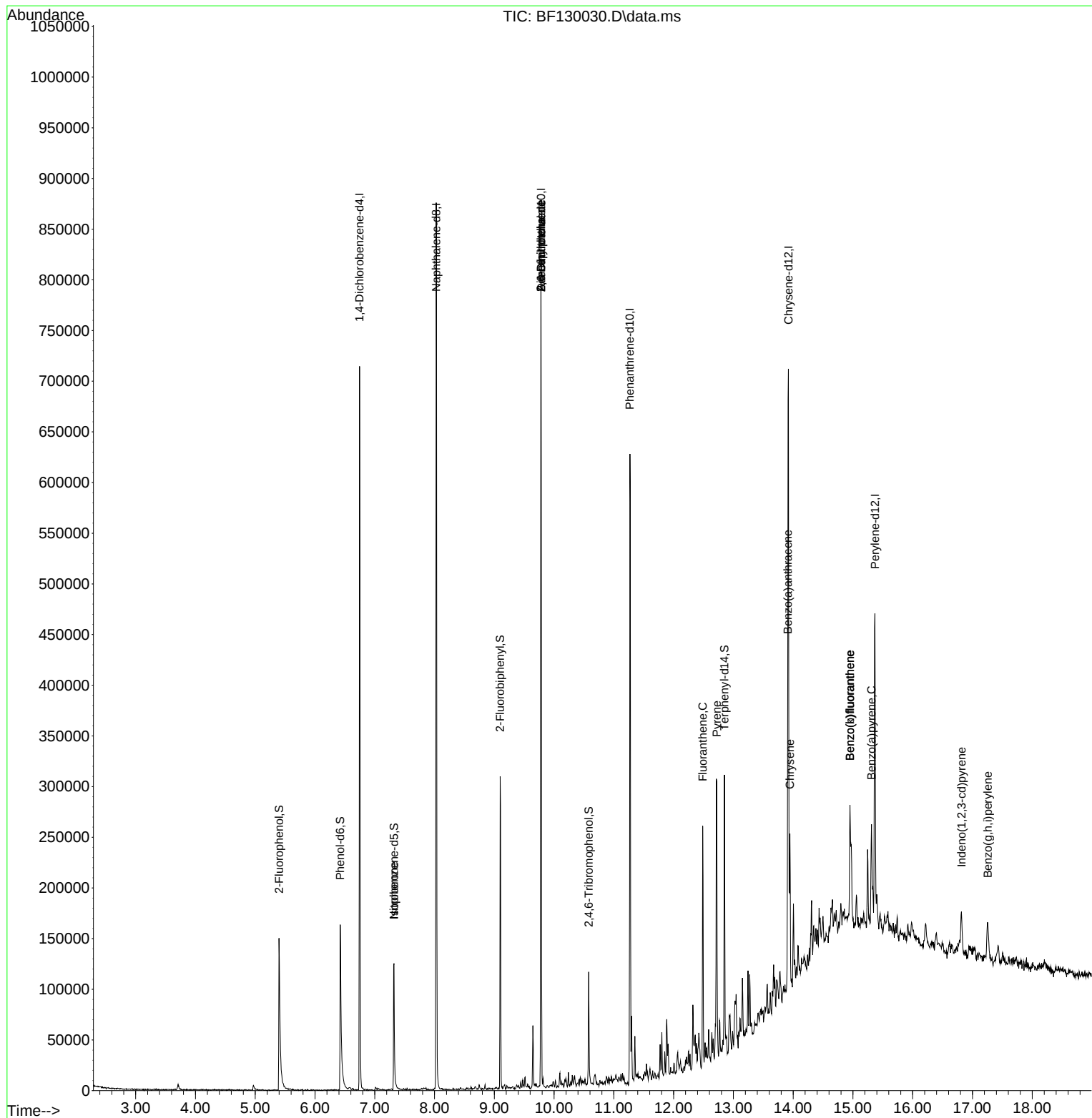
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.745	152	96876	20.000	ng	-0.01
21) Naphthalene-d8	8.028	136	357765	20.000	ng	-0.01
39) Acenaphthene-d10	9.780	164	157014	20.000	ng	-0.01
64) Phenanthrene-d10	11.269	188	224126	20.000	ng	-0.01
76) Chrysene-d12	13.921	240	194471	20.000	ng	0.00
86) Perylene-d12	15.368	264	141453	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.398	112	62612	10.701	ng	0.00
7) Phenol-d6	6.422	99	80980	11.052	ng	0.00
23) Nitrobenzene-d5	7.322	82	47506	7.108	ng	-0.01
42) 2,4,6-Tribromophenol	10.580	330	12180	7.729	ng	0.00
45) 2-Fluorobiphenyl	9.098	172	87859	8.499	ng	-0.02
79) Terphenyl-d14	12.851	244	75453	6.456	ng	-0.01
Target Compounds						Qvalue
25) Isophorone	7.322	82	47506	4.130	ng	# 65
50) Dimethylphthalate	9.780	163	26748	2.376	ng	# 1
51) 2,6-Dinitrotoluene	9.780	165	19982	8.184	ng	# 23
57) 2,4-Dinitrotoluene	9.780	165	19982	6.304	ng	# 18
75) Fluoranthene	12.486	202	81950	6.398	ng	98
77) Benzidine	12.633	184	66	Below Cal	#	1
78) Pyrene	12.721	202	113296	6.704	ng	98
81) Benzo(a)anthracene	13.910	228	60869	4.550	ng	98
83) Chrysene	13.945	228	53998	4.312	ng	98
87) Indeno(1,2,3-cd)pyrene	16.815	276	26458	2.725	ng	96
88) Benzo(b)fluoranthene	14.951	252	79435	8.201	ng	# 95
89) Benzo(k)fluoranthene	14.951	252	79435	8.551	ng	# 94
90) Benzo(a)pyrene	15.309	252	46256	6.064	ng	# 93
92) Benzo(g,h,i)perylene	17.256	276	28647	3.584	ng	93

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

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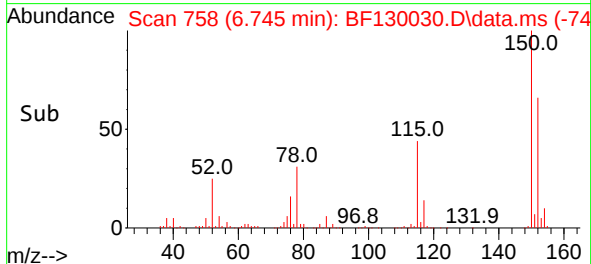
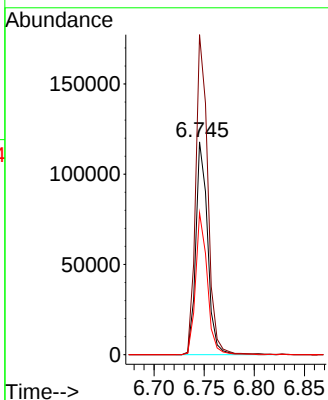
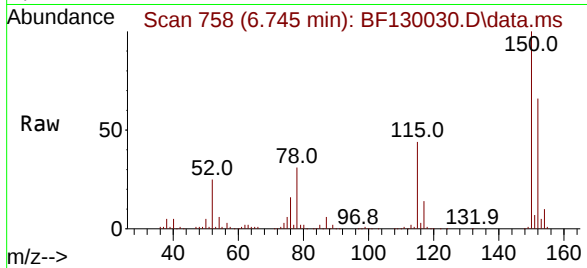




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.745 min Scan# 71
Delta R.T. -0.012 min
Lab File: BF130030.D
Acq: 26 Aug 2022 21:29

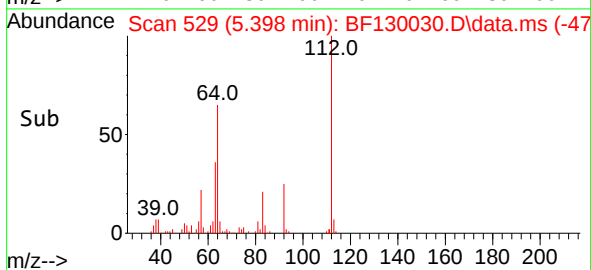
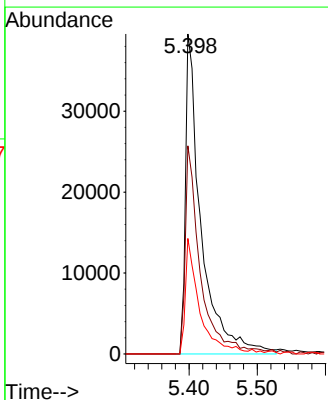
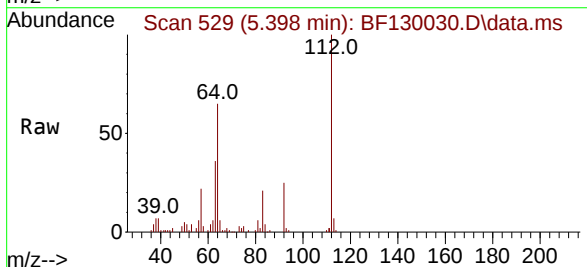
Instrument :
BNA_F
ClientSampleId :
CL-01-082522

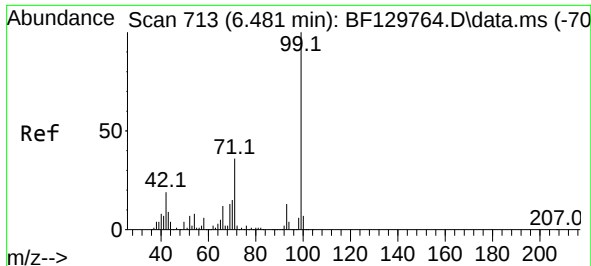
Tgt Ion:152 Resp: 96876
Ion Ratio Lower Upper
152 100
150 150.4 126.9 190.3
115 66.6 53.4 80.0



#5
2-Fluorophenol
Concen: 10.701 ng
RT: 5.398 min Scan# 529
Delta R.T. 0.006 min
Lab File: BF130030.D
Acq: 26 Aug 2022 21:29

Tgt Ion:112 Resp: 62612
Ion Ratio Lower Upper
112 100
64 65.1 47.6 71.4
63 36.1 24.6 37.0

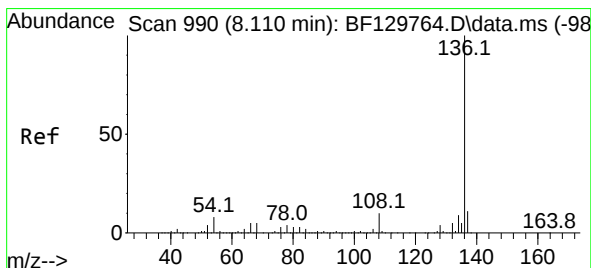
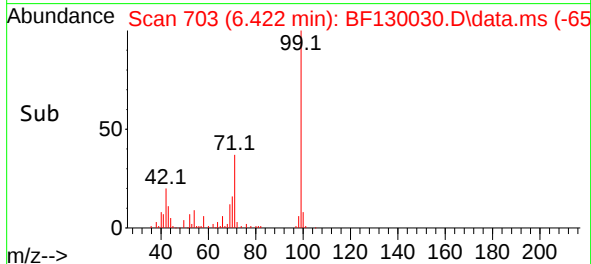
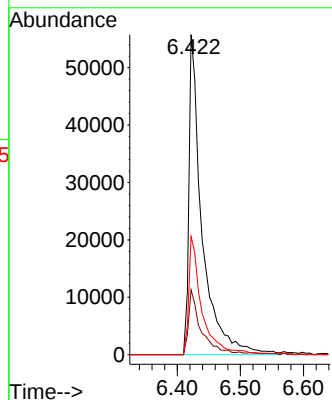
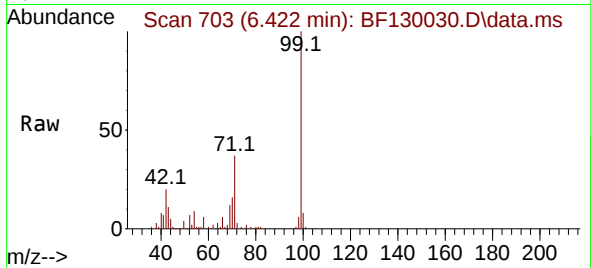




#7
Phenol-d6
Concen: 11.052 ng
RT: 6.422 min Scan# 70
Delta R.T. -0.000 min
Lab File: BF130030.D
Acq: 26 Aug 2022 21:29

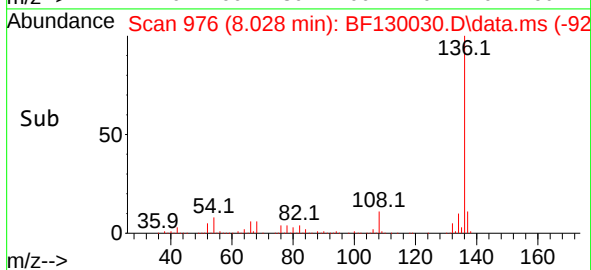
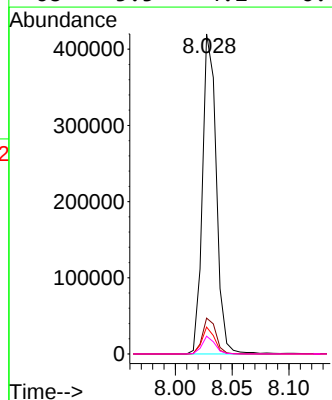
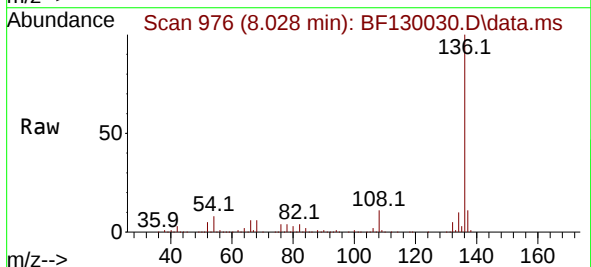
Instrument :
BNA_F
ClientSampleId :
CL-01-082522

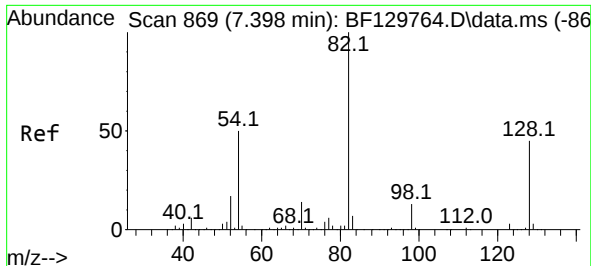
Tgt Ion: 99 Resp: 80980
Ion Ratio Lower Upper
99 100
42 20.3 15.0 22.4
71 36.9 28.8 43.2



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.028 min Scan# 976
Delta R.T. -0.012 min
Lab File: BF130030.D
Acq: 26 Aug 2022 21:29

Tgt Ion: 136 Resp: 357765
Ion Ratio Lower Upper
136 100
137 11.2 8.4 12.6
54 8.4 6.2 9.2
68 5.5 4.2 6.4

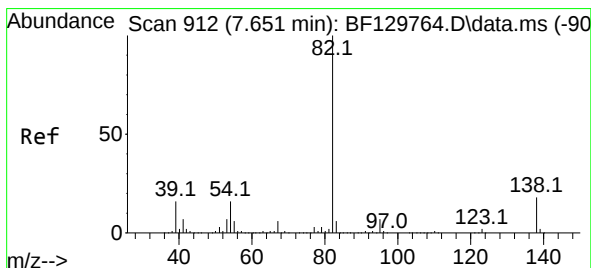
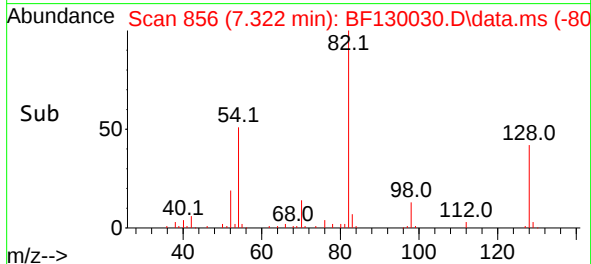
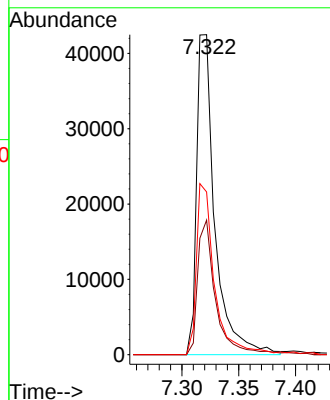
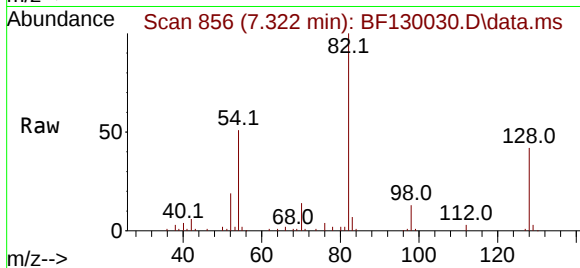




#23
Nitrobenzene-d5
Concen: 7.108 ng
RT: 7.322 min Scan# 81
Delta R.T. -0.012 min
Lab File: BF130030.D
Acq: 26 Aug 2022 21:29

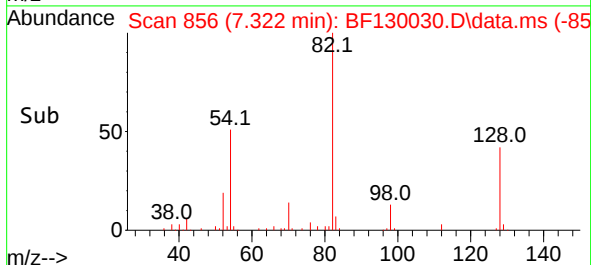
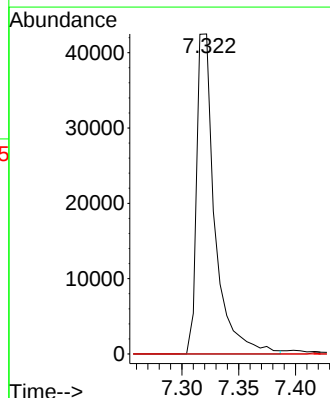
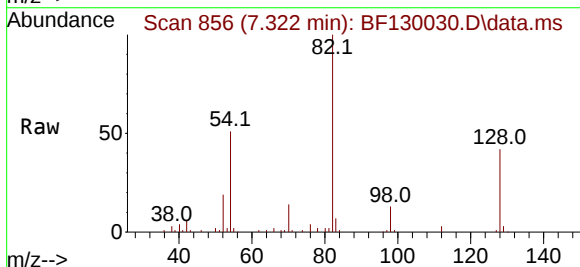
Instrument :
BNA_F
ClientSampleId :
CL-01-082522

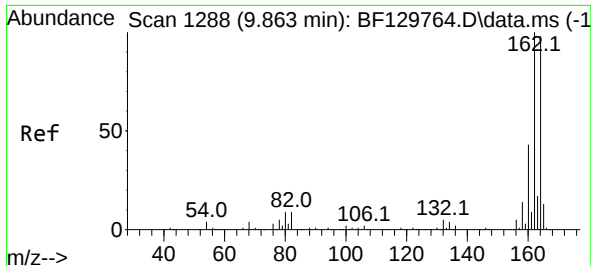
Tgt Ion: 82 Resp: 47506
Ion Ratio Lower Upper
82 100
128 42.1 36.1 54.1
54 50.9 40.0 60.0



#25
Isophorone
Concen: 4.130 ng
RT: 7.322 min Scan# 856
Delta R.T. -0.265 min
Lab File: BF130030.D
Acq: 26 Aug 2022 21:29

Tgt Ion: 82 Resp: 47506
Ion Ratio Lower Upper
82 100
95 0.0 5.9 8.9#
138 0.0 14.6 21.8#





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.780 min Scan# 1

Delta R.T. -0.012 min

Lab File: BF130030.D

Acq: 26 Aug 2022 21:29

Instrument :

BNA_F

ClientSampleId :

CL-01-082522

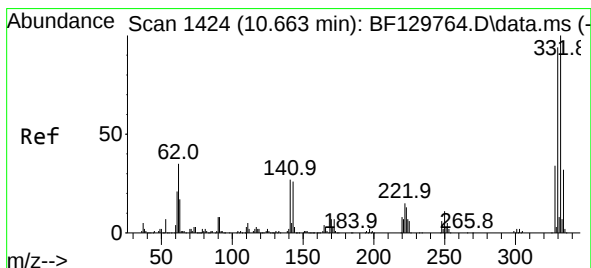
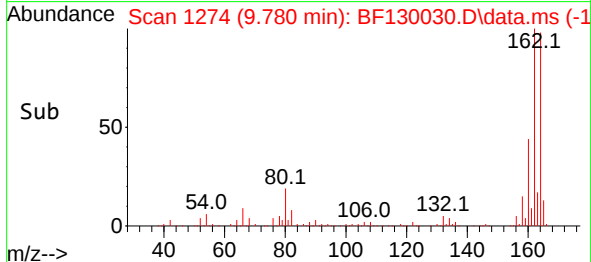
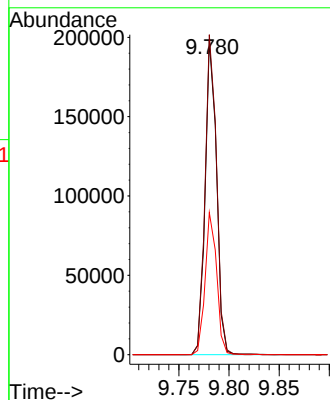
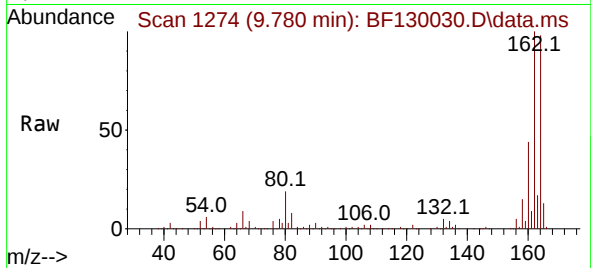
Tgt Ion:164 Resp: 157014

Ion Ratio Lower Upper

164 100

162 102.0 82.0 123.0

160 45.3 35.4 53.0



#42

2,4,6-Tribromophenol

Concen: 7.729 ng

RT: 10.580 min Scan# 1410

Delta R.T. -0.006 min

Lab File: BF130030.D

Acq: 26 Aug 2022 21:29

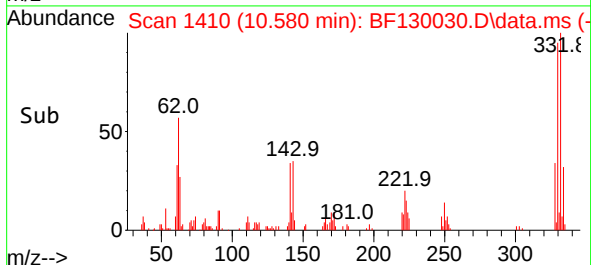
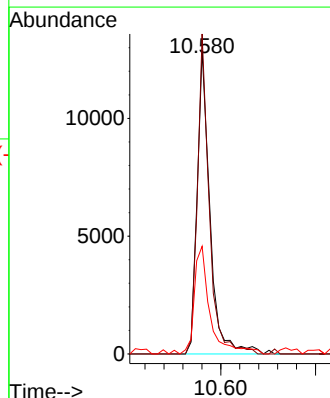
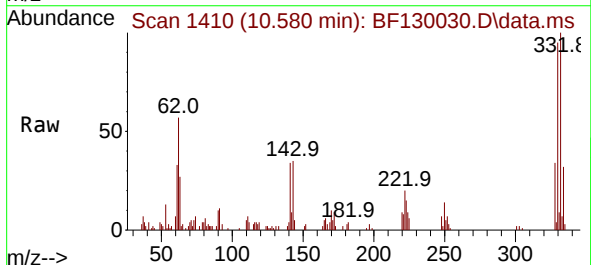
Tgt Ion:330 Resp: 12180

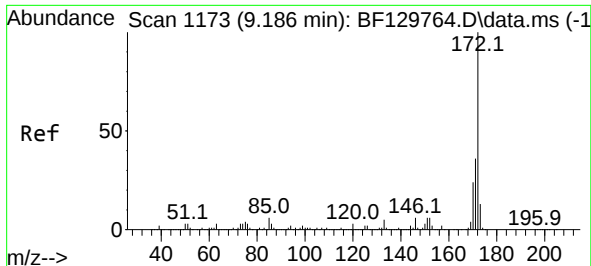
Ion Ratio Lower Upper

330 100

332 96.9 82.6 124.0

141 43.2 27.6 41.4#





#45

2-Fluorobiphenyl

Concen: 8.499 ng

RT: 9.098 min Scan# 1173

Delta R.T. -0.018 min

Lab File: BF130030.D

Acq: 26 Aug 2022 21:29

Instrument :

BNA_F

ClientSampleId :

CL-01-082522

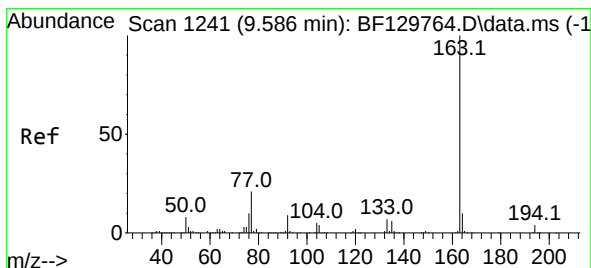
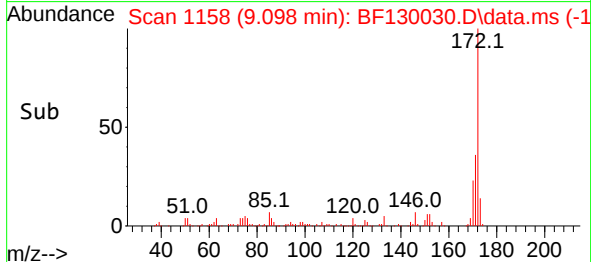
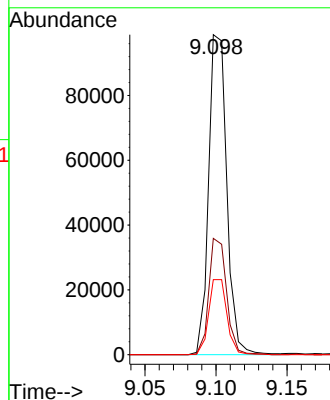
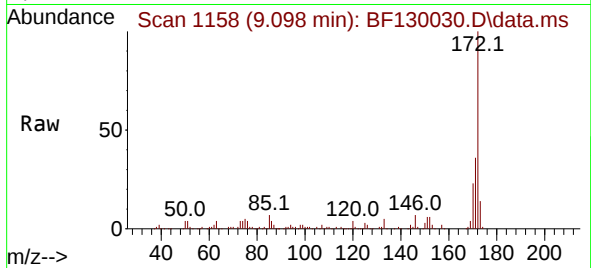
Tgt Ion:172 Resp: 87859

Ion Ratio Lower Upper

172 100

171 36.4 28.4 42.6

170 23.5 19.1 28.7



#50

Dimethylphthalate

Concen: 2.376 ng

RT: 9.780 min Scan# 1274

Delta R.T. 0.259 min

Lab File: BF130030.D

Acq: 26 Aug 2022 21:29

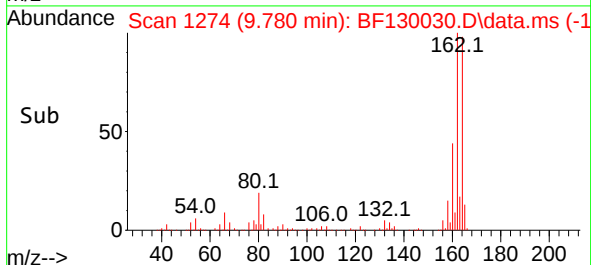
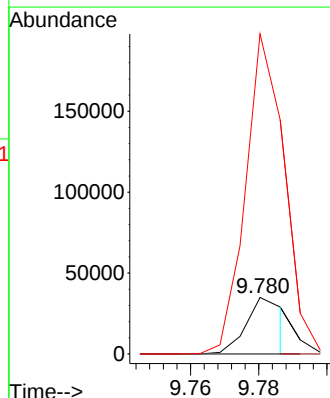
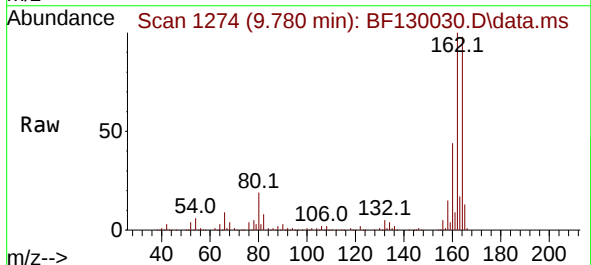
Tgt Ion:163 Resp: 26748

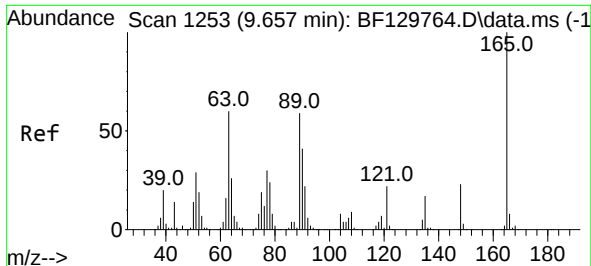
Ion Ratio Lower Upper

163 100

194 0.0 3.3 4.9#

164 566.3 8.2 12.2#





#51

2,6-Dinitrotoluene

Concen: 8.184 ng

RT: 9.780 min Scan# 11

Delta R.T. 0.188 min

Lab File: BF130030.D

Acq: 26 Aug 2022 21:29

Instrument :

BNA_F

ClientSampleId :

CL-01-082522

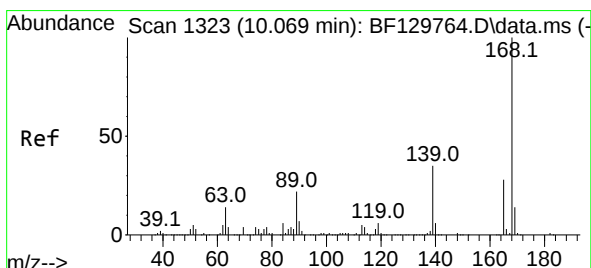
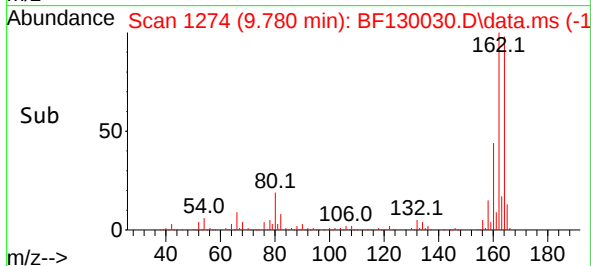
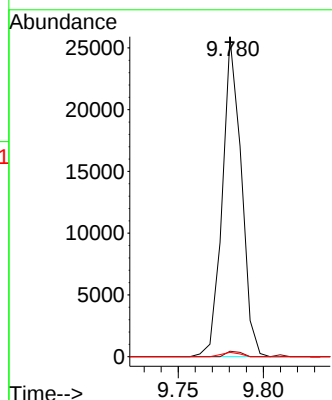
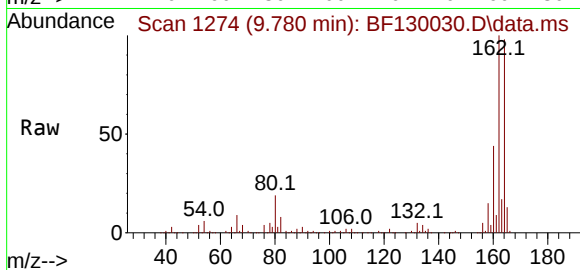
Tgt Ion:165 Resp: 19982

Ion Ratio Lower Upper

165 100

63 1.7 47.8 71.8#

89 1.4 47.2 70.8#



#57

2,4-Dinitrotoluene

Concen: 6.304 ng

RT: 9.780 min Scan# 1274

Delta R.T. -0.224 min

Lab File: BF130030.D

Acq: 26 Aug 2022 21:29

Tgt Ion:165 Resp: 19982

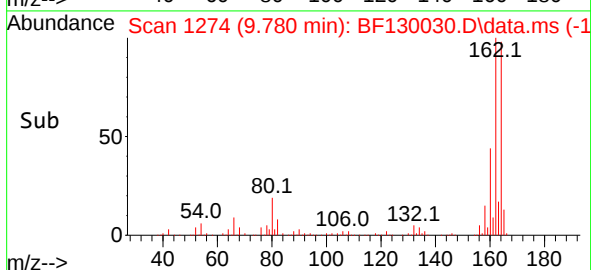
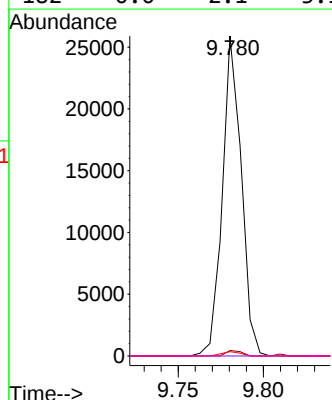
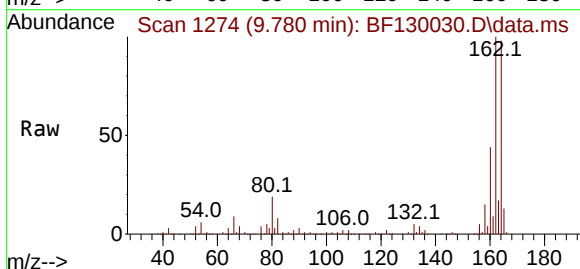
Ion Ratio Lower Upper

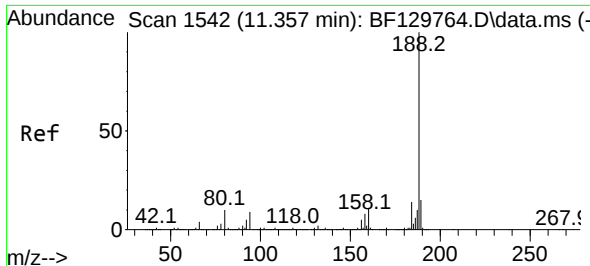
165 100

63 1.7 48.4 72.6#

89 1.4 62.3 93.5#

182 0.0 2.1 3.1#

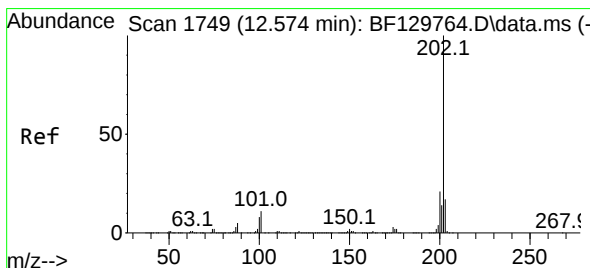
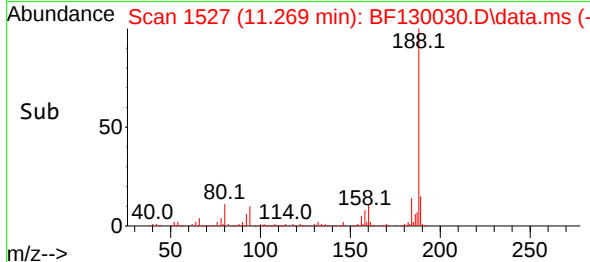
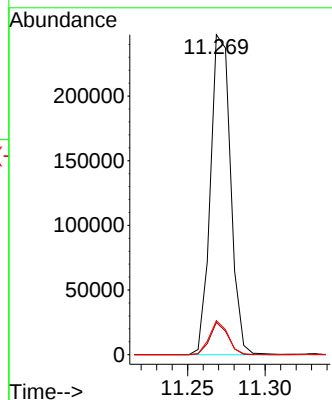
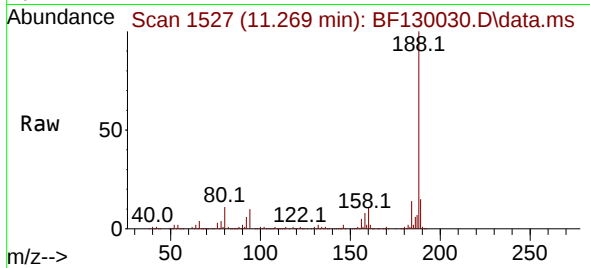




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.269 min Scan# 11
Delta R.T. -0.012 min
Lab File: BF130030.D
Acq: 26 Aug 2022 21:29

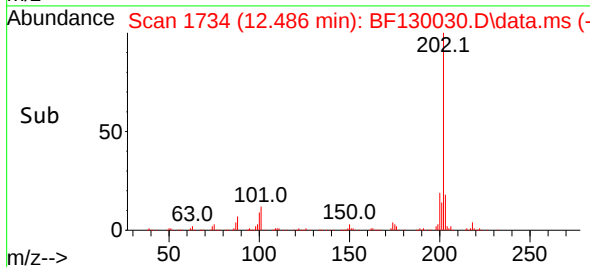
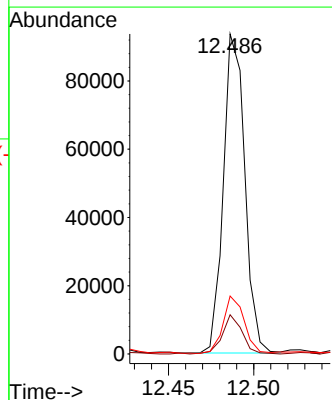
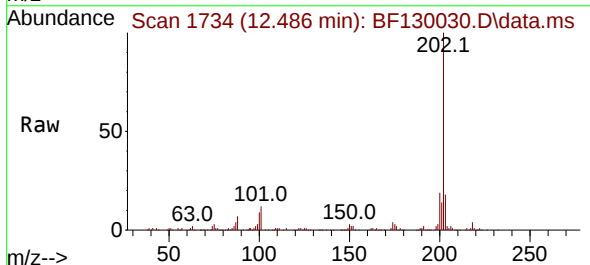
Instrument :
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CL-01-082522

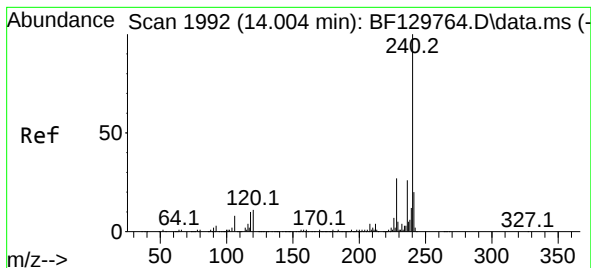
Tgt Ion:188 Resp: 224126
Ion Ratio Lower Upper
188 100
94 10.1 7.4 11.2
80 10.7 7.9 11.9



#75
Fluoranthene
Concen: 6.398 ng
RT: 12.486 min Scan# 1734
Delta R.T. -0.012 min
Lab File: BF130030.D
Acq: 26 Aug 2022 21:29

Tgt Ion:202 Resp: 81950
Ion Ratio Lower Upper
202 100
101 12.3 0.0 30.7
203 18.1 0.0 37.5





#76

Chrysene-d12

Concen: 20.000 ng

RT: 13.921 min Scan# 1992

Delta R.T. -0.006 min

Lab File: BF130030.D

Acq: 26 Aug 2022 21:29

Instrument :

BNA_F

ClientSampleId :

CL-01-082522

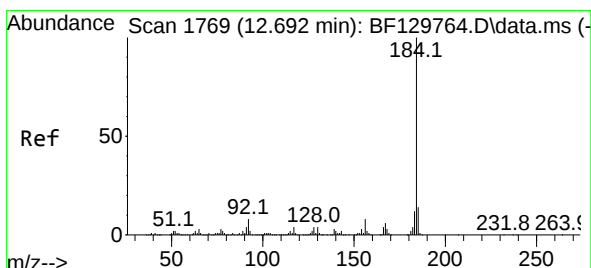
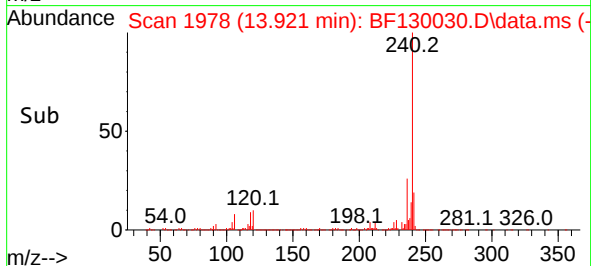
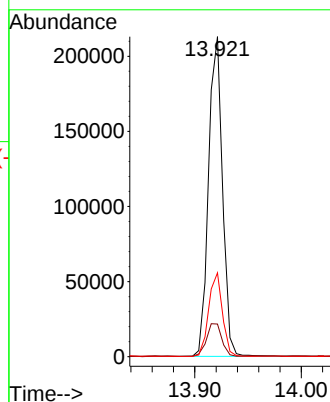
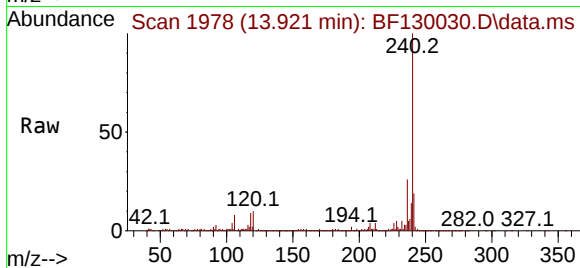
Tgt Ion:240 Resp: 194471

Ion Ratio Lower Upper

240 100

120 10.2 9.2 13.8

236 26.2 20.7 31.1



#77

Benzidine

Concen: Below Cal

RT: 12.633 min Scan# 1759

Delta R.T. 0.012 min

Lab File: BF130030.D

Acq: 26 Aug 2022 21:29

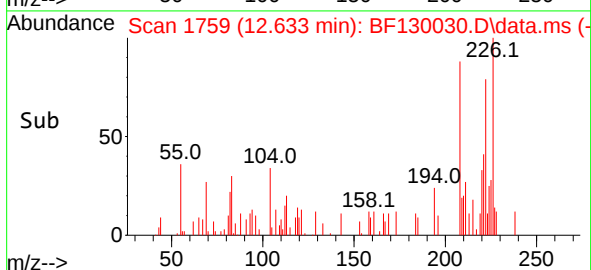
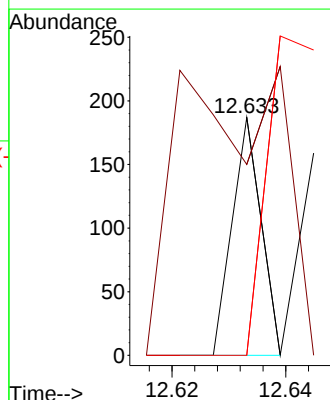
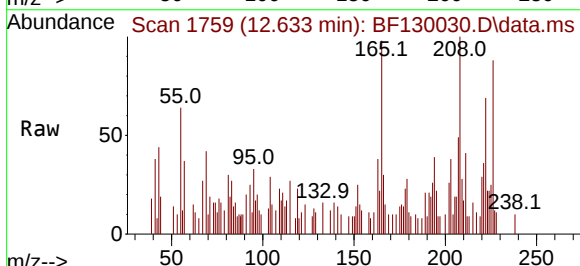
Tgt Ion:184 Resp: 66

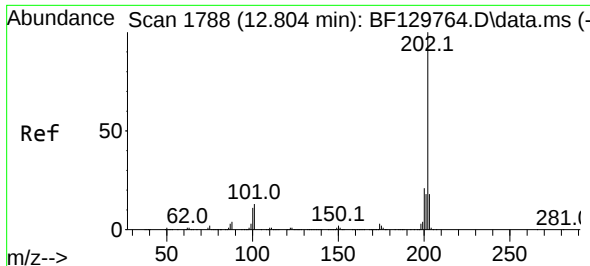
Ion Ratio Lower Upper

184 100

185 80.2 11.4 17.2#

183 100.0 9.4 14.2#

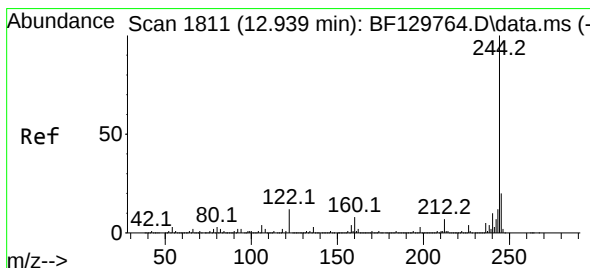
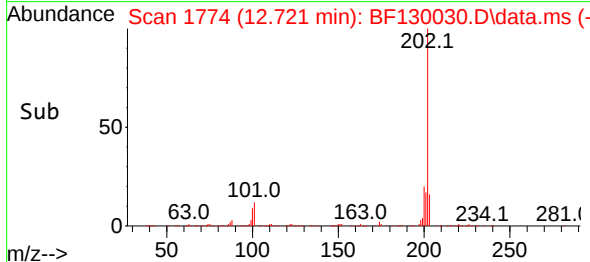
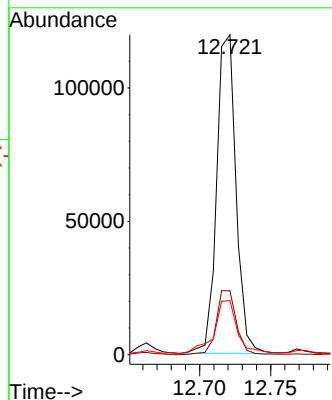
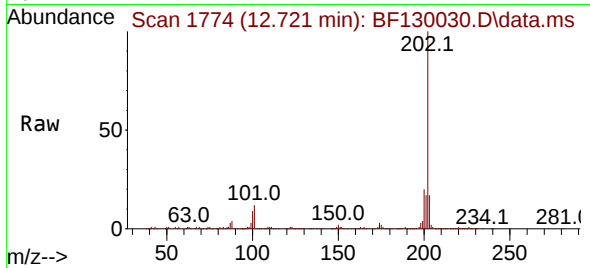




#78
Pyrene
Concen: 6.704 ng
RT: 12.721 min Scan# 1774
Delta R.T. -0.006 min
Lab File: BF130030.D
Acq: 26 Aug 2022 21:29

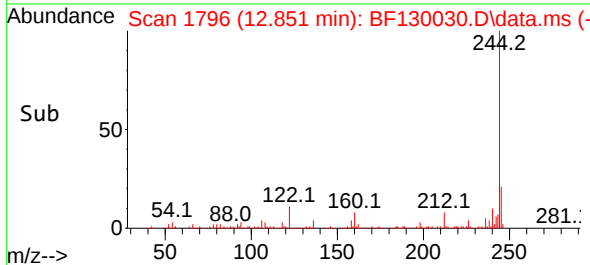
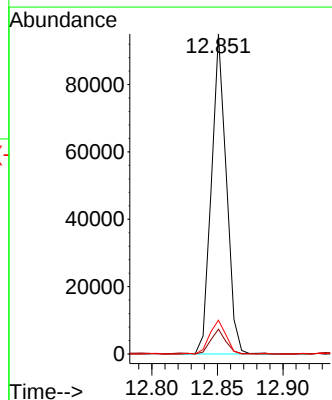
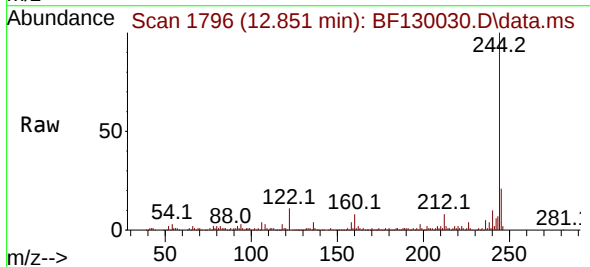
Instrument :
BNA_F
ClientSampleId :
CL-01-082522

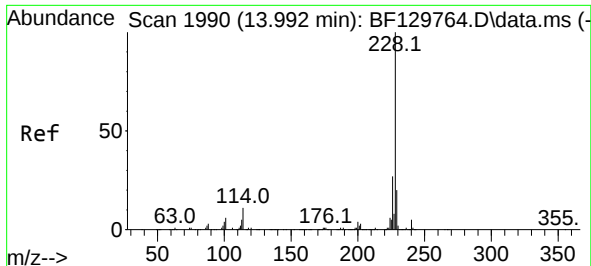
Tgt Ion:202 Resp: 113296
Ion Ratio Lower Upper
202 100
200 19.9 17.0 25.6
203 16.9 14.1 21.1



#79
Terphenyl-d14
Concen: 6.456 ng
RT: 12.851 min Scan# 1796
Delta R.T. -0.012 min
Lab File: BF130030.D
Acq: 26 Aug 2022 21:29

Tgt Ion:244 Resp: 75453
Ion Ratio Lower Upper
244 100
212 7.8 5.9 8.9
122 10.5 9.9 14.9

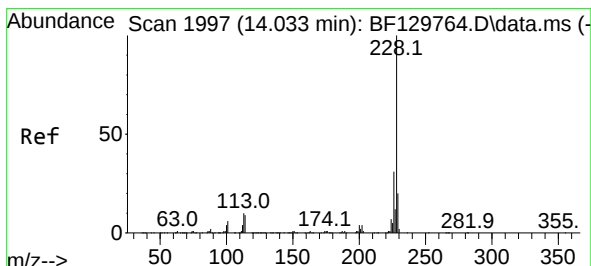
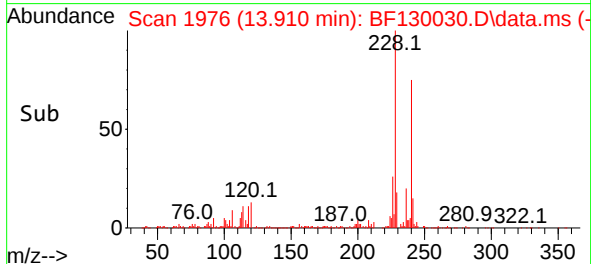
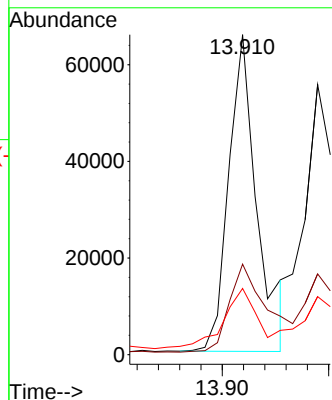
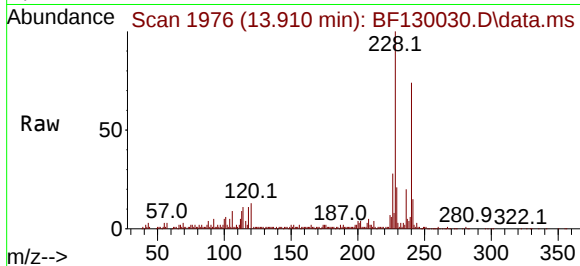




#81
Benzo(a)anthracene
Concen: 4.550 ng
RT: 13.910 min Scan# 1982
Delta R.T. -0.006 min
Lab File: BF130030.D
Acq: 26 Aug 2022 21:29

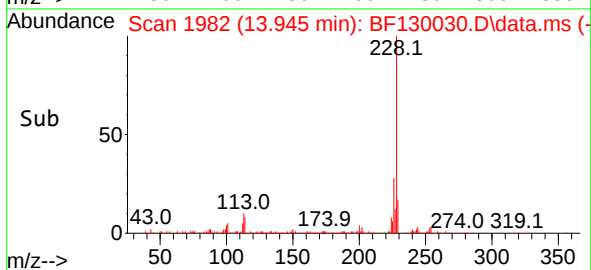
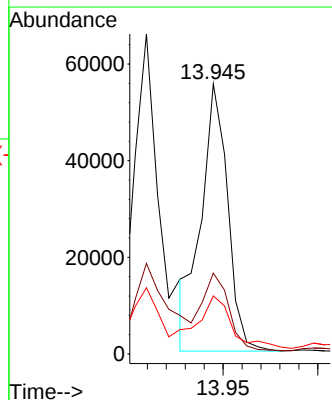
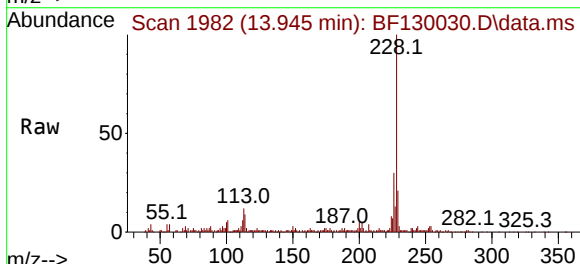
Instrument :
BNA_F
ClientSampleId :
CL-01-082522

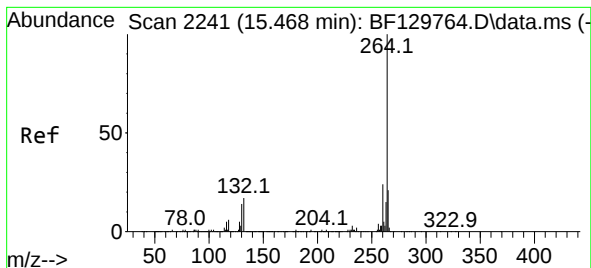
Tgt Ion:228 Resp: 60869
Ion Ratio Lower Upper
228 100
226 28.3 21.4 32.0
229 20.7 16.1 24.1



#83
Chrysene
Concen: 4.312 ng
RT: 13.945 min Scan# 1982
Delta R.T. -0.006 min
Lab File: BF130030.D
Acq: 26 Aug 2022 21:29

Tgt Ion:228 Resp: 53998
Ion Ratio Lower Upper
228 100
226 29.9 24.4 36.6
229 21.5 15.9 23.9





#86

Perylene-d12

Concen: 20.000 ng

RT: 15.368 min Scan# 21

Delta R.T. -0.000 min

Lab File: BF130030.D

Acq: 26 Aug 2022 21:29

Instrument :

BNA_F

ClientSampleId :

CL-01-082522

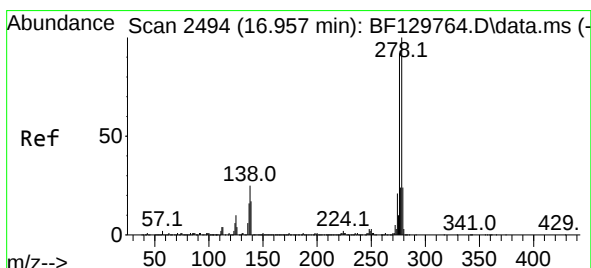
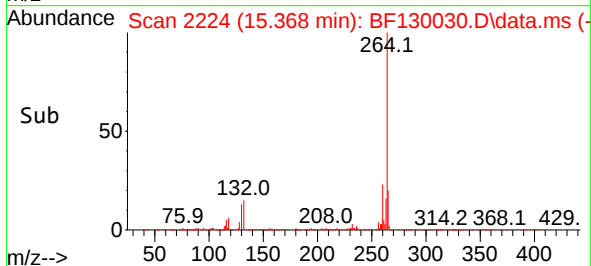
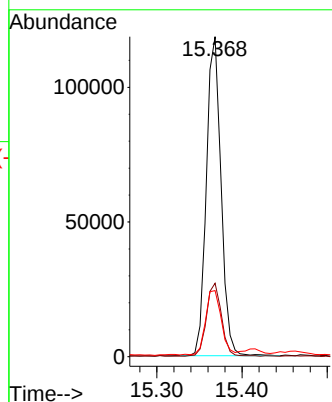
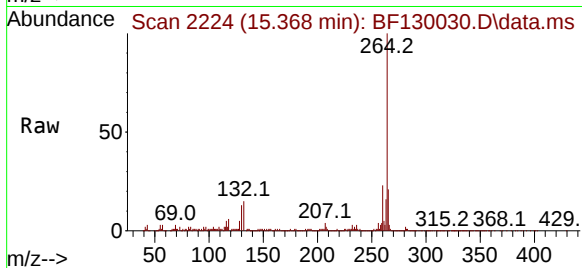
Tgt Ion:264 Resp: 141453

Ion Ratio Lower Upper

264 100

260 23.0 19.1 28.7

265 20.6 16.7 25.1



#87

Indeno(1,2,3-cd)pyrene

Concen: 2.725 ng

RT: 16.815 min Scan# 2470

Delta R.T. -0.000 min

Lab File: BF130030.D

Acq: 26 Aug 2022 21:29

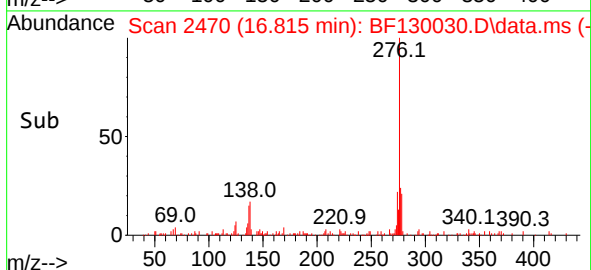
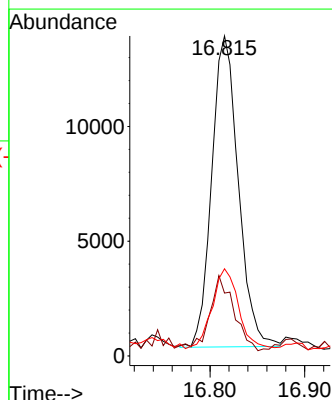
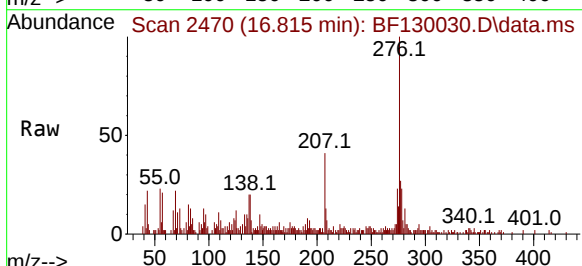
Tgt Ion:276 Resp: 26458

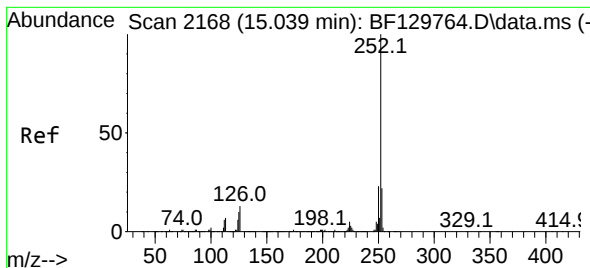
Ion Ratio Lower Upper

276 100

138 20.9 19.8 29.8

277 25.3 20.4 30.6





#88

Benzo(b)fluoranthene

Concen: 8.201 ng

RT: 14.951 min Scan# 21

Delta R.T. -0.000 min

Lab File: BF130030.D

Acq: 26 Aug 2022 21:29

Instrument :

BNA_F

ClientSampleId :

CL-01-082522

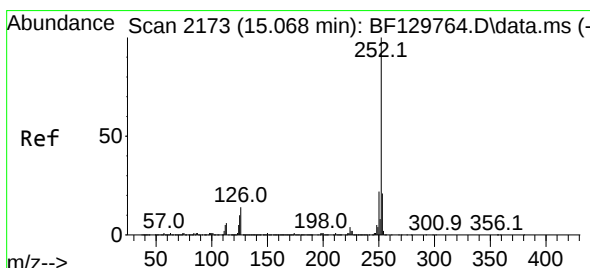
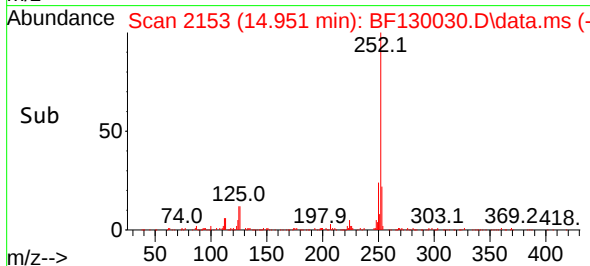
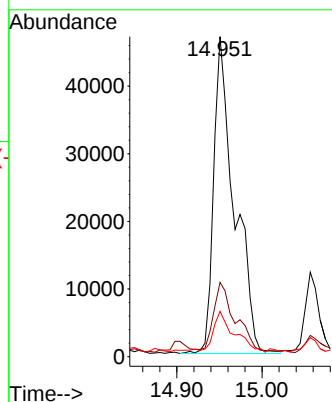
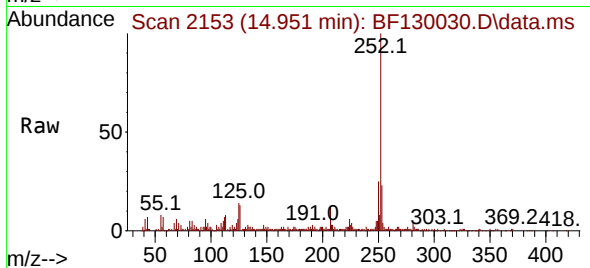
Tgt Ion:252 Resp: 79435

Ion Ratio Lower Upper

252 100

253 23.2 17.5 26.3

125 14.1 8.3 12.5#



#89

Benzo(k)fluoranthene

Concen: 8.551 ng

RT: 14.951 min Scan# 2153

Delta R.T. -0.030 min

Lab File: BF130030.D

Acq: 26 Aug 2022 21:29

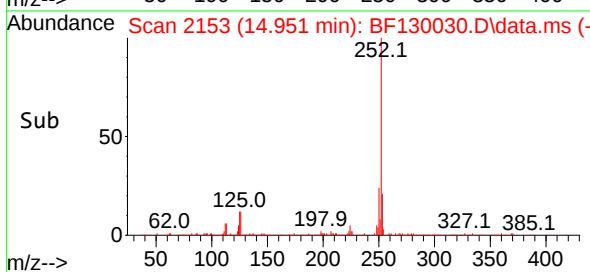
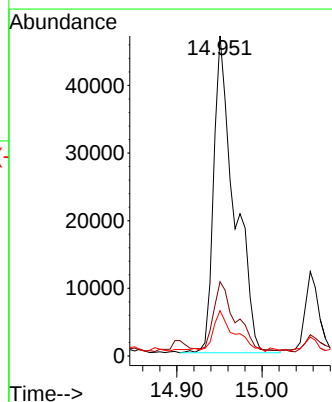
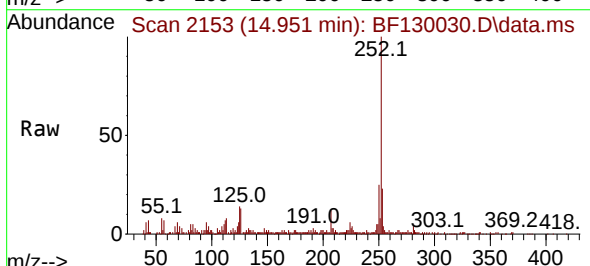
Tgt Ion:252 Resp: 79435

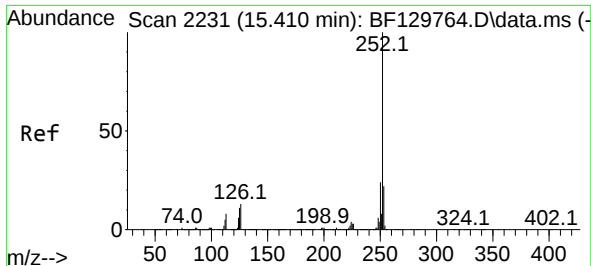
Ion Ratio Lower Upper

252 100

253 23.2 17.1 25.7

125 14.1 8.3 12.5#

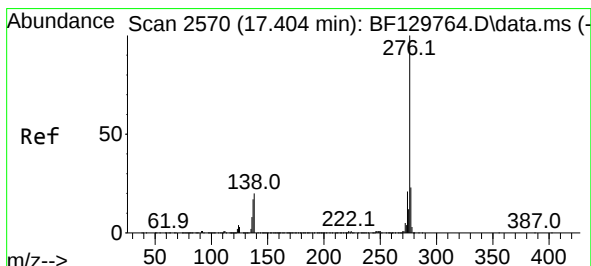
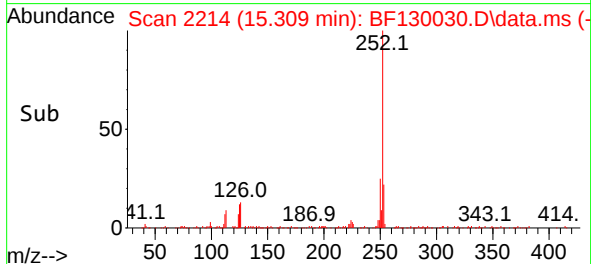
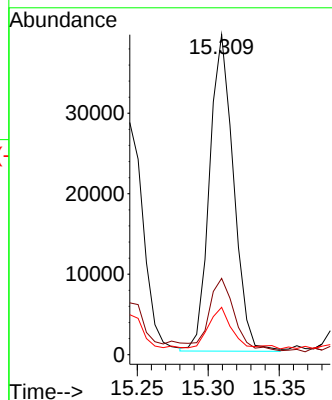
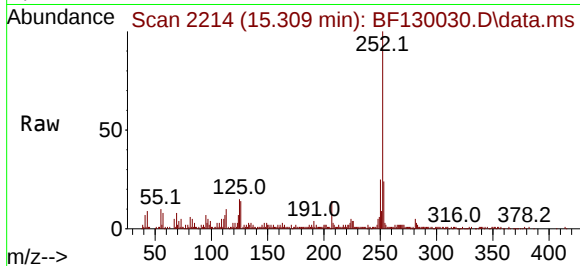




#90
Benzo(a)pyrene
Concen: 6.064 ng
RT: 15.309 min Scan# 21
Delta R.T. -0.000 min
Lab File: BF130030.D
Acq: 26 Aug 2022 21:29

Instrument :
BNA_F
ClientSampleId :
CL-01-082522

Tgt Ion:252 Resp: 46256
Ion Ratio Lower Upper
252 100
253 23.9 17.2 25.8
125 14.8 8.8 13.2#



#92
Benzo(g,h,i)perylene
Concen: 3.584 ng
RT: 17.256 min Scan# 2545
Delta R.T. 0.012 min
Lab File: BF130030.D
Acq: 26 Aug 2022 21:29

Tgt Ion:276 Resp: 28647
Ion Ratio Lower Upper
276 100
277 26.8 18.2 27.4
138 22.0 15.8 23.8

