

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF081622\
 Data File : BF129829.D
 Acq On : 17 Aug 2022 01:05
 Operator : CG\JU
 Sample : N4199-01
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 HD-02-081222

Quant Time: Aug 17 02:42:29 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF081422.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Aug 15 02:28:31 2022
 Response via : Initial Calibration

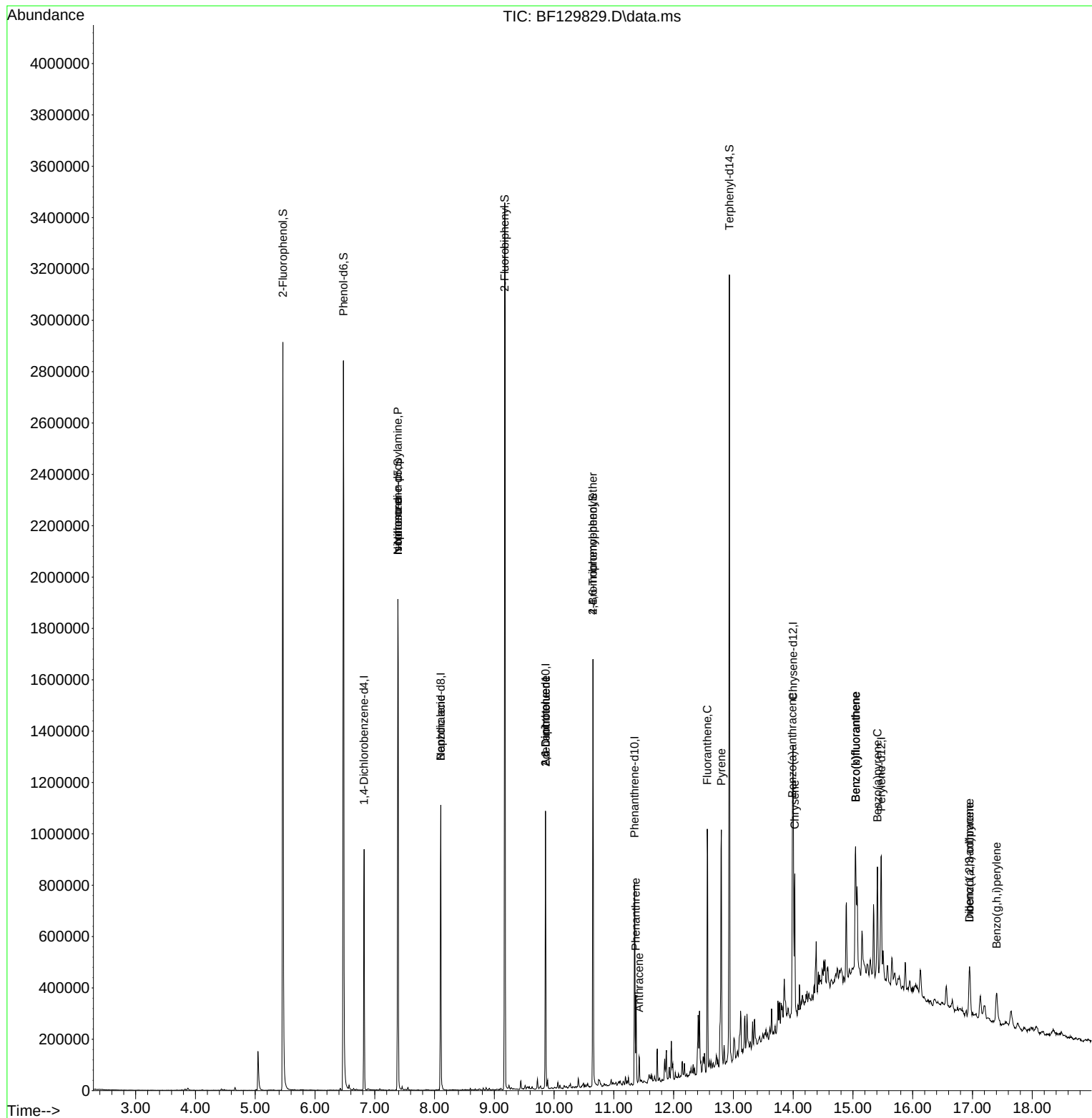
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.822	152	128884	20.000	ng	0.00
21) Naphthalene-d8	8.104	136	461665	20.000	ng	0.00
39) Acenaphthene-d10	9.857	164	199131	20.000	ng	0.00
64) Phenanthrene-d10	11.345	188	282259	20.000	ng	-0.01
76) Chrysene-d12	13.998	240	274793	20.000	ng	0.00
86) Perylene-d12	15.474	264	233111	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.463	112	824355	105.900	ng	0.00
7) Phenol-d6	6.475	99	978393	100.368	ng	0.00
23) Nitrobenzene-d5	7.386	82	628982	72.933	ng	-0.01
42) 2,4,6-Tribromophenol	10.651	330	174414	87.269	ng	-0.01
45) 2-Fluorobiphenyl	9.175	172	1041578	79.443	ng	-0.01
79) Terphenyl-d14	12.933	244	931472	56.403	ng	0.00
Target Compounds						
9) Benzaldehyde	6.434	77	65	Below Cal	Qvalue	# 1
19) n-Nitroso-di-n-propyla...	7.386	70	84345	13.689	ng	# 77
25) Isophorone	7.386	82	628978	42.374	ng	# 65
32) Benzoic acid	8.104	122	76	2.185	ng	# 1
51) 2,6-Dinitrotoluene	9.857	165	25457	8.221	ng	# 23
57) 2,4-Dinitrotoluene	9.857	165	25457	6.333	ng	# 18
67) 4-Bromophenyl-phenylether	10.651	248	11050	3.342	ng	# 1
71) Phenanthrene	11.369	178	125819	7.981	ng	99
72) Anthracene	11.422	178	43283	2.761	ng	100
75) Fluoranthene	12.563	202	358319	22.213	ng	98
77) Benzidine	12.674	184	784	Below Cal	#	1
78) Pyrene	12.798	202	378354	15.844	ng	100
81) Benzo(a)anthracene	13.986	228	244804	12.950	ng	98
83) Chrysene	14.027	228	220940	12.486	ng	97
87) Indeno(1,2,3-cd)pyrene	16.951	276	98869	6.178	ng	95
88) Benzo(b)fluoranthene	15.045	252	369073	23.121	ng	97
89) Benzo(k)fluoranthene	15.045	252	369073	24.110	ng	96
90) Benzo(a)pyrene	15.410	252	197094	15.679	ng	97
91) Dibenzo(a,h)anthracene	16.951	278	26632	2.017	ng	# 88
92) Benzo(g,h,i)perylene	17.404	276	92596	7.029	ng	94

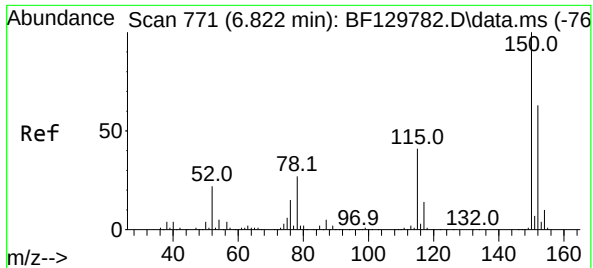
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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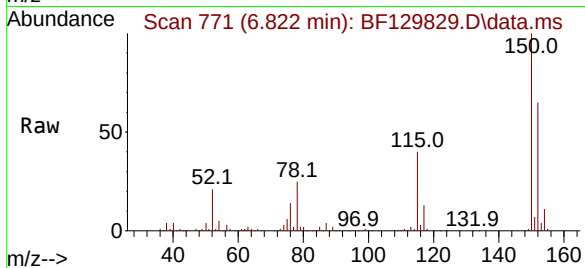
Quant Time: Aug 17 02:42:29 2022
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Aug 15 02:28:31 2022
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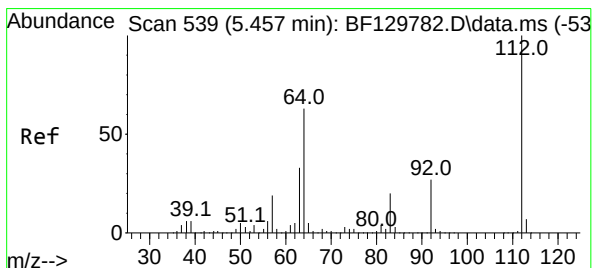
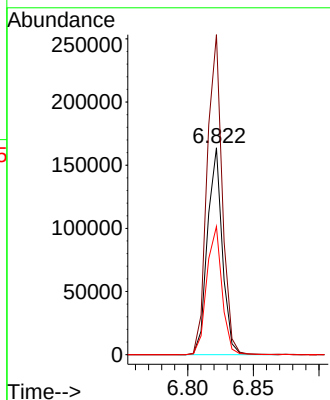
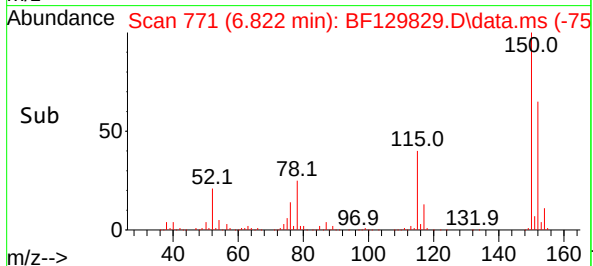


#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.822 min Scan# 771
Delta R.T. -0.000 min
Lab File: BF129829.D
Acq: 17 Aug 2022 01:05

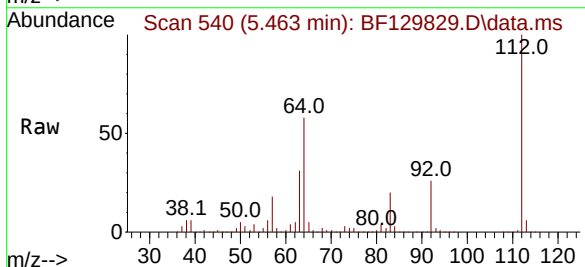
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BNA_F
ClientSampleId :
HD-02-081222



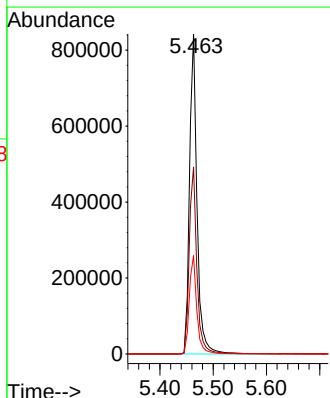
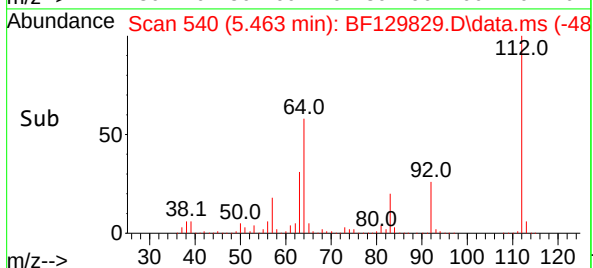
Tgt Ion:152 Resp: 128884
Ion Ratio Lower Upper
152 100
150 154.7 126.9 190.3
115 61.9 53.4 80.0

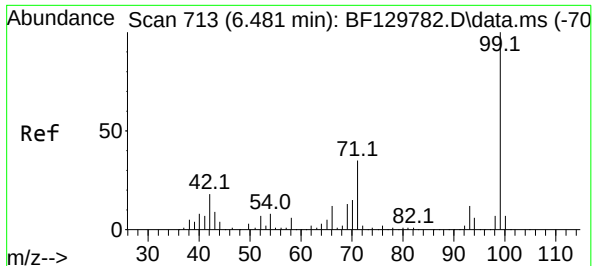


#5
2-Fluorophenol
Concen: 105.900 ng
RT: 5.463 min Scan# 540
Delta R.T. -0.000 min
Lab File: BF129829.D
Acq: 17 Aug 2022 01:05



Tgt Ion:112 Resp: 824355
Ion Ratio Lower Upper
112 100
64 58.4 47.6 71.4
63 30.7 24.6 37.0

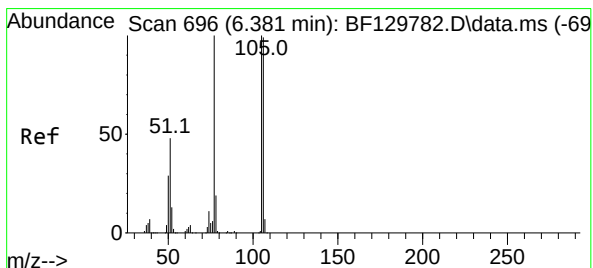
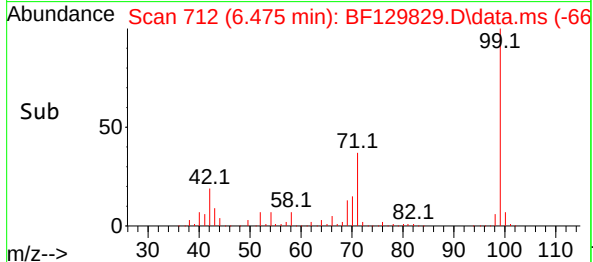
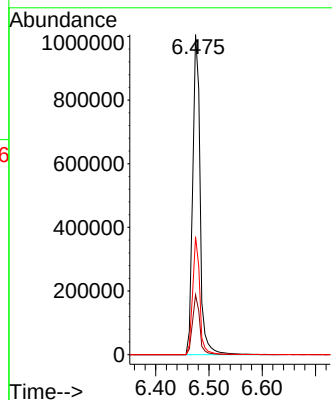
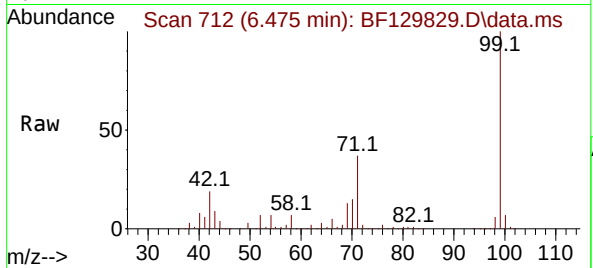




#7
Phenol-d6
Concen: 100.368 ng
RT: 6.475 min Scan# 713
Delta R.T. -0.006 min
Lab File: BF129829.D
Acq: 17 Aug 2022 01:05

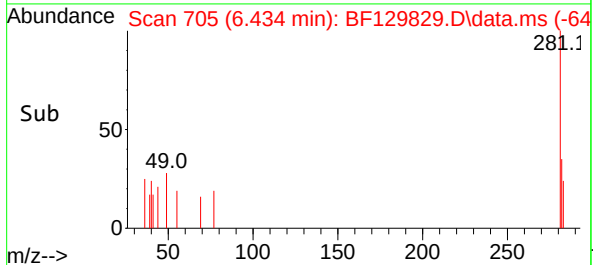
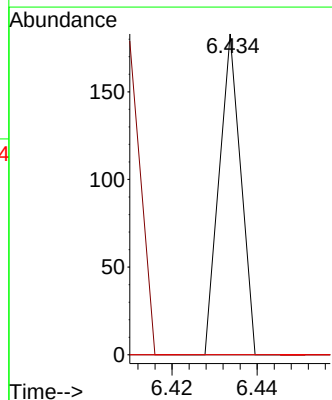
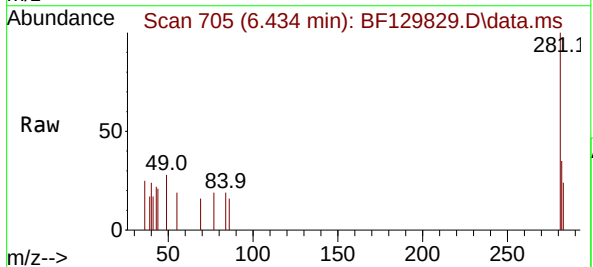
Instrument :
BNA_F
ClientSampleId :
HD-02-081222

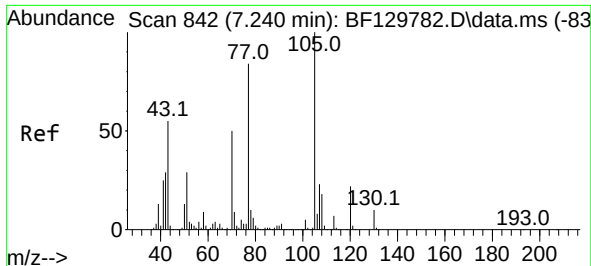
Tgt Ion: 99 Resp: 978393
Ion Ratio Lower Upper
99 100
42 18.7 15.0 22.4
71 36.9 28.8 43.2



#9
Benzaldehyde
Concen: Below Cal
RT: 6.434 min Scan# 705
Delta R.T. 0.053 min
Lab File: BF129829.D
Acq: 17 Aug 2022 01:05

Tgt Ion: 77 Resp: 65
Ion Ratio Lower Upper
77 100
105 0.0 80.3 120.3#
106 0.0 74.3 114.3#





#19

n-Nitroso-di-n-propylamine

Concen: 13.689 ng

RT: 7.386 min Scan# 8

Delta R.T. 0.147 min

Lab File: BF129829.D

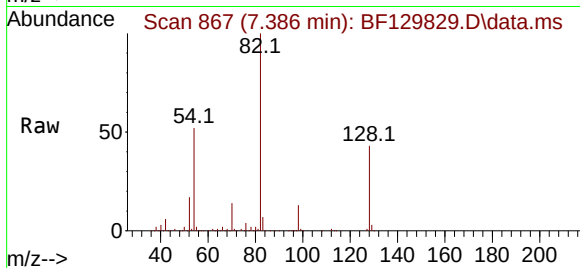
Acq: 17 Aug 2022 01:05

Instrument :

BNA_F

ClientSampleId :

HD-02-081222



Tgt Ion: 70 Resp: 84345

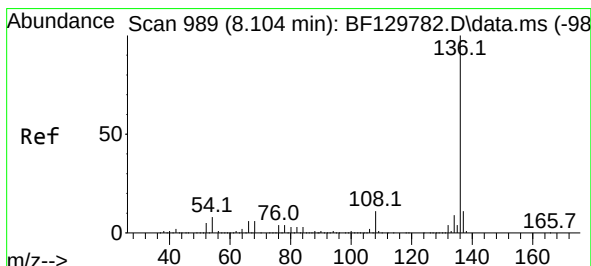
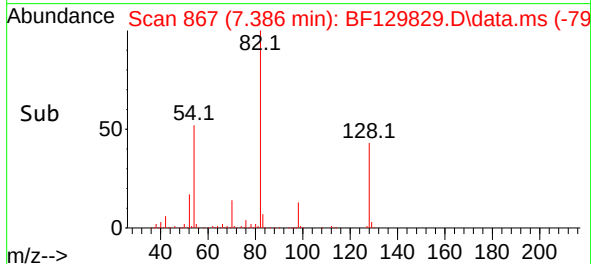
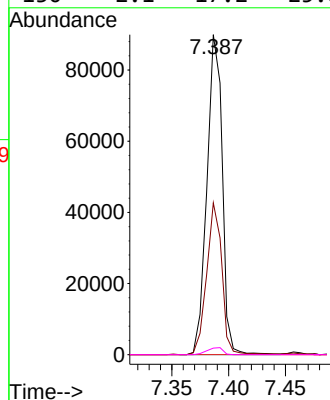
Ion Ratio Lower Upper

70 100

42 47.4 47.6 71.4#

101 0.0 8.1 12.1#

130 2.1 17.2 25.8#



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.104 min Scan# 989

Delta R.T. -0.006 min

Lab File: BF129829.D

Acq: 17 Aug 2022 01:05

Tgt Ion: 136 Resp: 461665

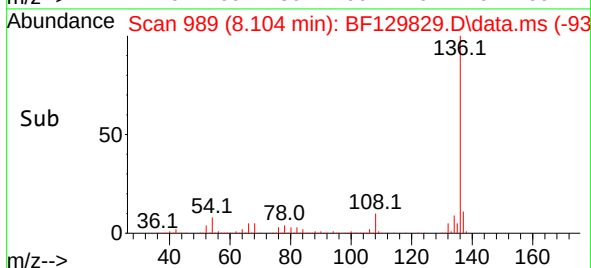
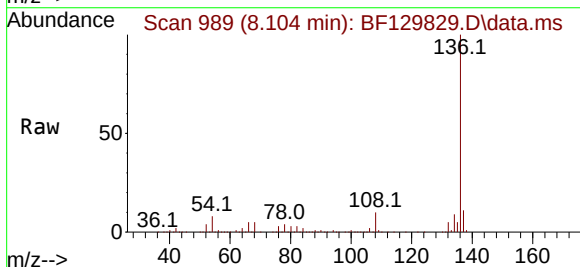
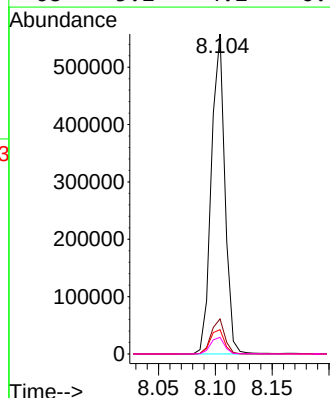
Ion Ratio Lower Upper

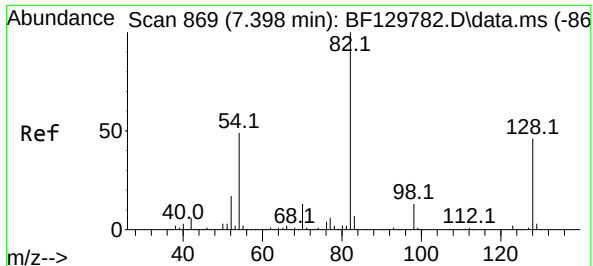
136 100

137 11.0 8.4 12.6

54 7.6 6.2 9.2

68 5.2 4.2 6.4

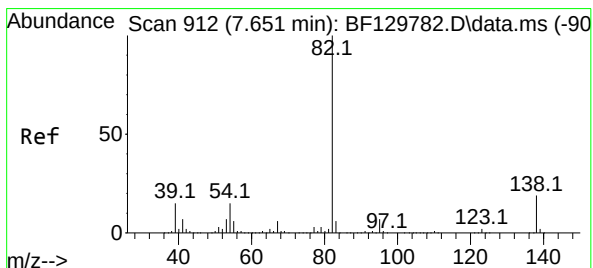
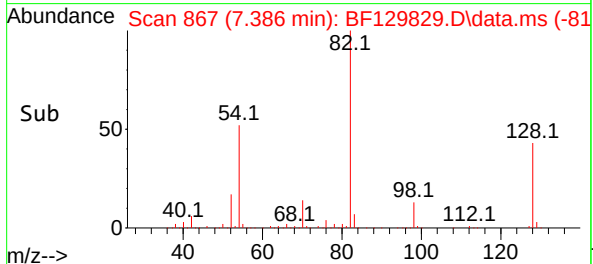
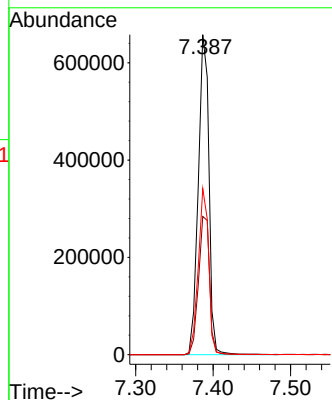
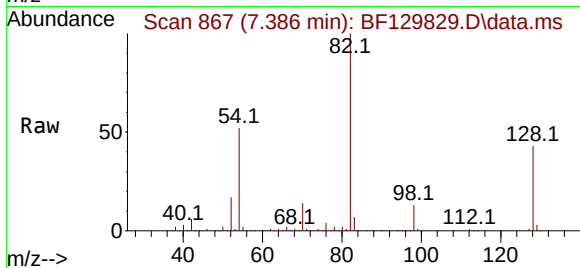




#23
Nitrobenzene-d5
Concen: 72.933 ng
RT: 7.386 min Scan# 867
Delta R.T. -0.012 min
Lab File: BF129829.D
Acq: 17 Aug 2022 01:05

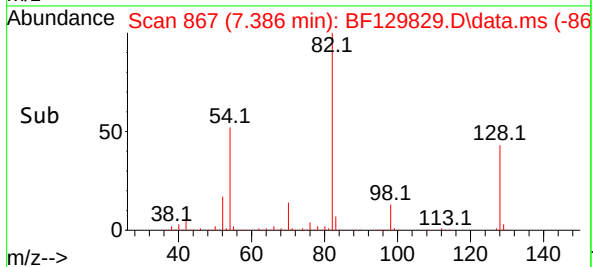
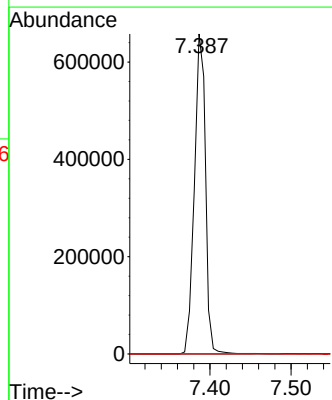
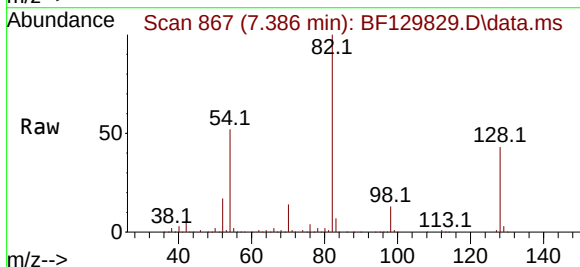
Instrument :
BNA_F
ClientSampleId :
HD-02-081222

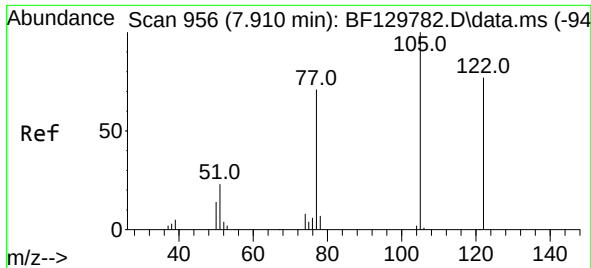
Tgt Ion: 82 Resp: 628982
Ion Ratio Lower Upper
82 100
128 43.2 36.1 54.1
54 51.9 40.0 60.0



#25
Isophorone
Concen: 42.374 ng
RT: 7.386 min Scan# 867
Delta R.T. -0.265 min
Lab File: BF129829.D
Acq: 17 Aug 2022 01:05

Tgt Ion: 82 Resp: 628978
Ion Ratio Lower Upper
82 100
95 0.0 5.9 8.9#
138 0.0 14.6 21.8#

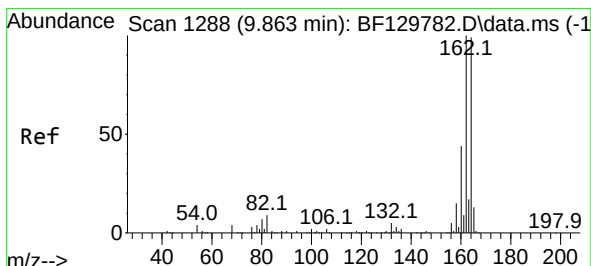
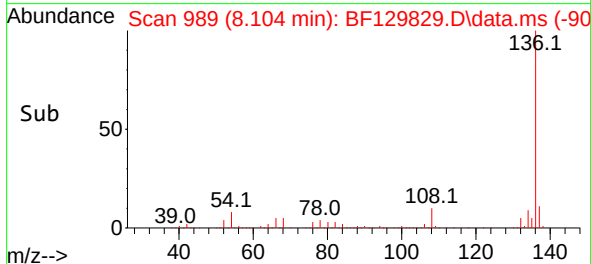
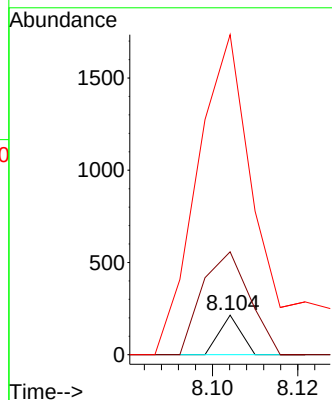
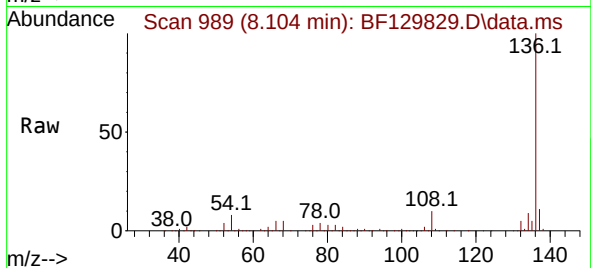




#32
Benzoic acid
Concen: 2.185 ng
RT: 8.104 min Scan# 91
Delta R.T. 0.188 min
Lab File: BF129829.D
Acq: 17 Aug 2022 01:05

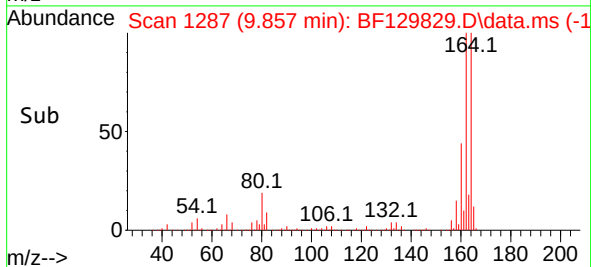
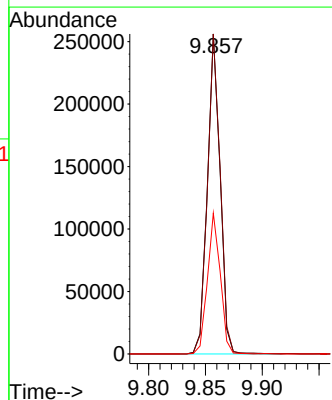
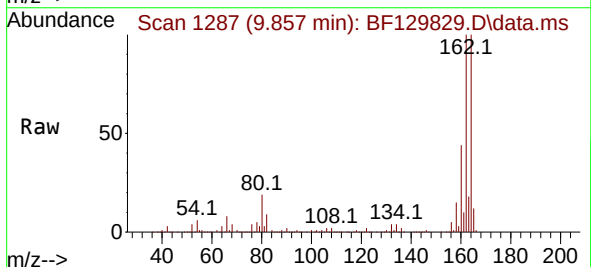
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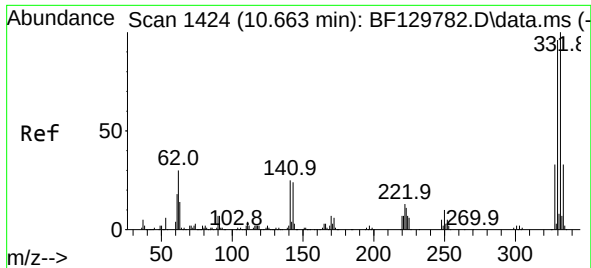
Tgt Ion:	122	Resp:	76
Ion	Ratio	Lower	Upper
122	100		
105	260.7	99.9	139.9#
77	810.7	65.9	105.9#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.857 min Scan# 1287
Delta R.T. -0.006 min
Lab File: BF129829.D
Acq: 17 Aug 2022 01:05

Tgt Ion:	164	Resp:	199131
Ion	Ratio	Lower	Upper
164	100		
162	100.0	82.0	123.0
160	44.0	35.4	53.0

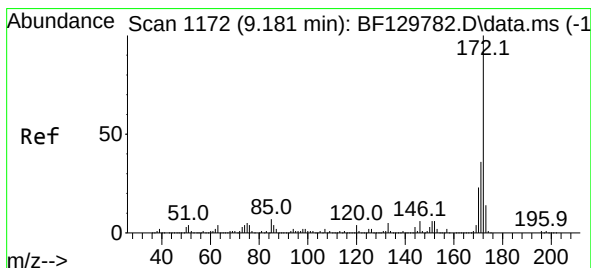
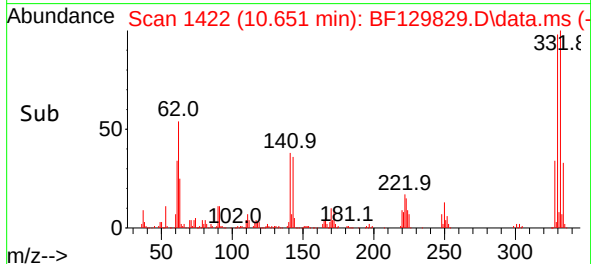
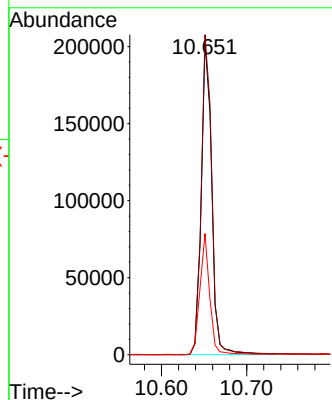
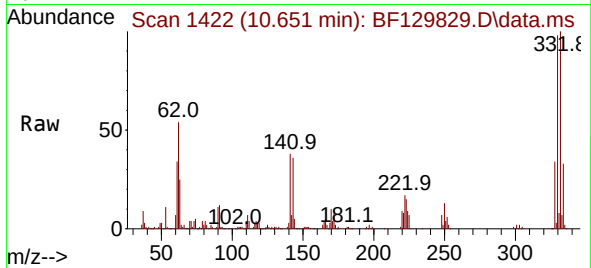




#42
2,4,6-Tribromophenol
Concen: 87.269 ng
RT: 10.651 min Scan# 1422
Delta R.T. -0.012 min
Lab File: BF129829.D
Acq: 17 Aug 2022 01:05

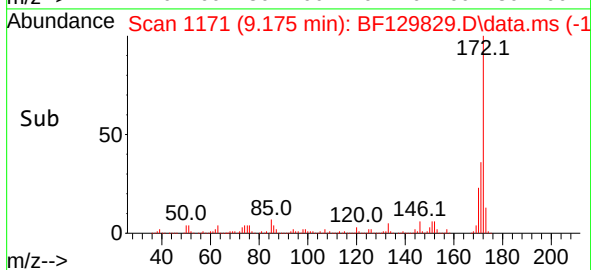
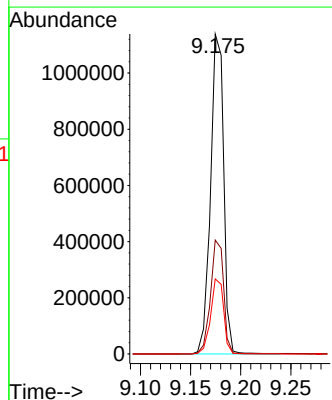
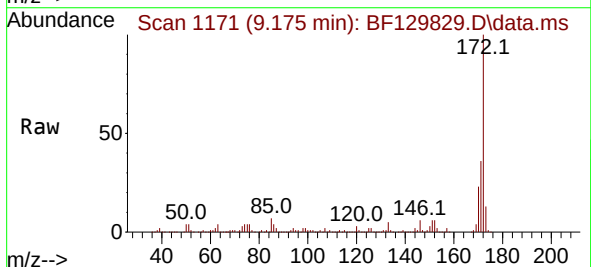
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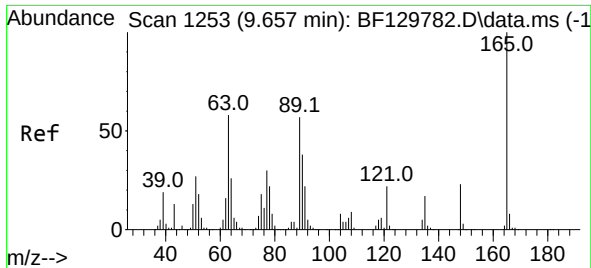
Tgt Ion:330 Resp: 174414
Ion Ratio Lower Upper
330 100
332 103.2 82.6 124.0
141 36.3 27.6 41.4



#45
2-Fluorobiphenyl
Concen: 79.443 ng
RT: 9.175 min Scan# 1171
Delta R.T. -0.012 min
Lab File: BF129829.D
Acq: 17 Aug 2022 01:05

Tgt Ion:172 Resp: 1041578
Ion Ratio Lower Upper
172 100
171 35.6 28.4 42.6
170 23.4 19.1 28.7

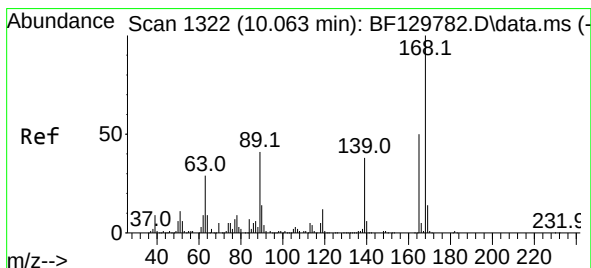
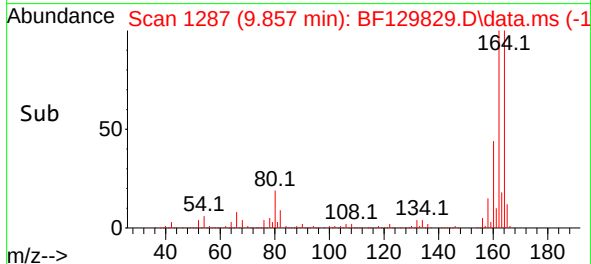
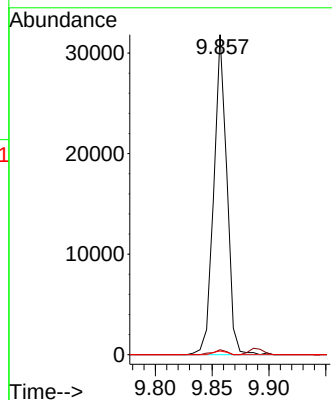
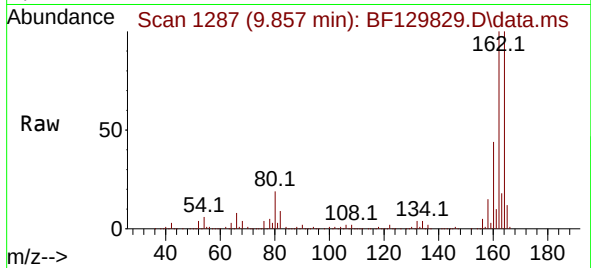




#51
2,6-Dinitrotoluene
Concen: 8.221 ng
RT: 9.857 min Scan# 1253
Delta R.T. 0.200 min
Lab File: BF129829.D
Acq: 17 Aug 2022 01:05

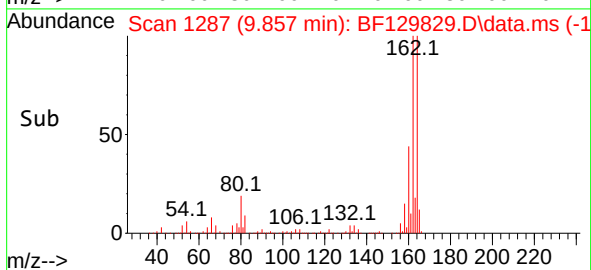
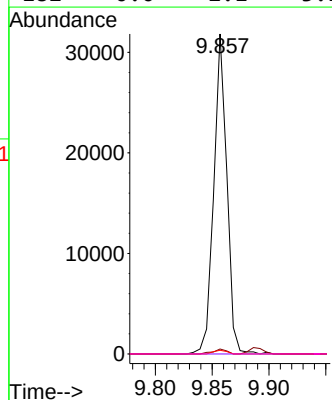
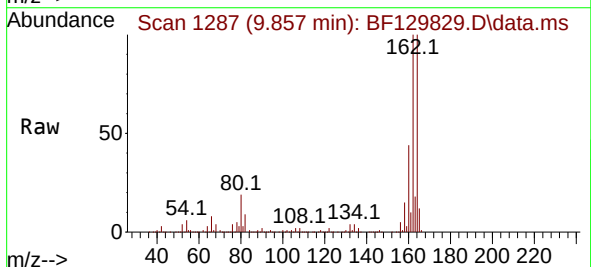
Instrument :
BNA_F
ClientSampleId :
HD-02-081222

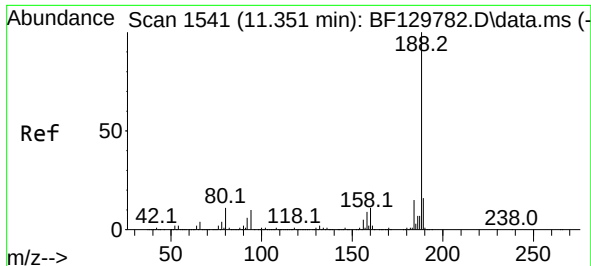
Tgt Ion:165 Resp: 25457
Ion Ratio Lower Upper
165 100
63 1.6 47.8 71.8#
89 1.1 47.2 70.8#



#57
2,4-Dinitrotoluene
Concen: 6.333 ng
RT: 9.857 min Scan# 1287
Delta R.T. -0.212 min
Lab File: BF129829.D
Acq: 17 Aug 2022 01:05

Tgt Ion:165 Resp: 25457
Ion Ratio Lower Upper
165 100
63 1.6 48.4 72.6#
89 1.1 62.3 93.5#
182 0.0 2.1 3.1#

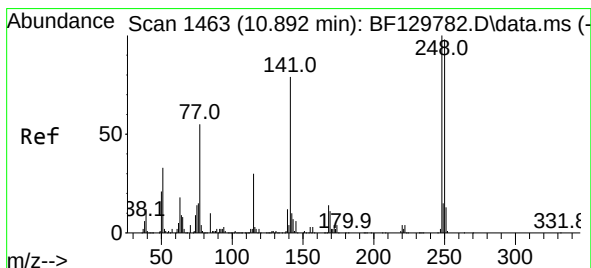
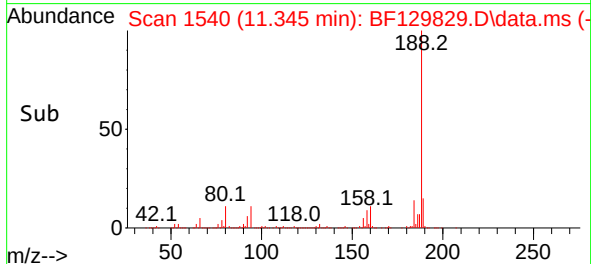
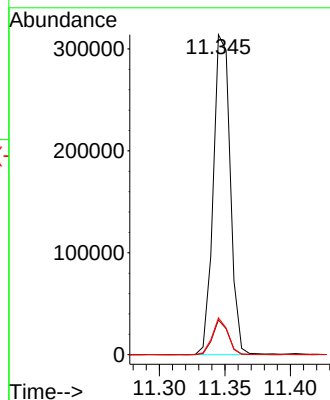
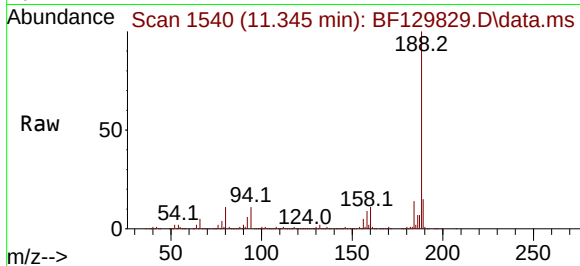




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.345 min Scan# 11
Delta R.T. -0.012 min
Lab File: BF129829.D
Acq: 17 Aug 2022 01:05

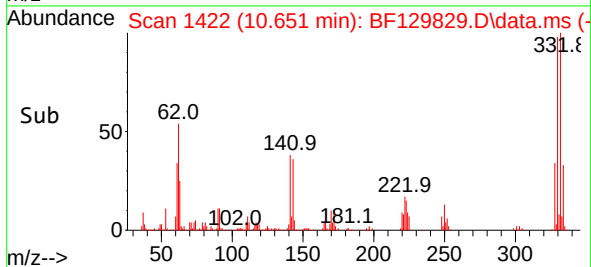
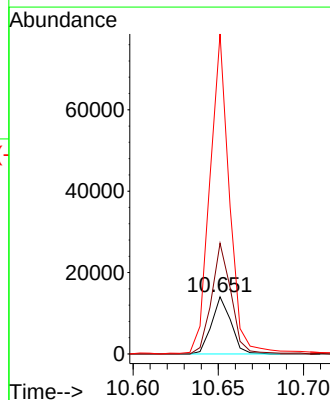
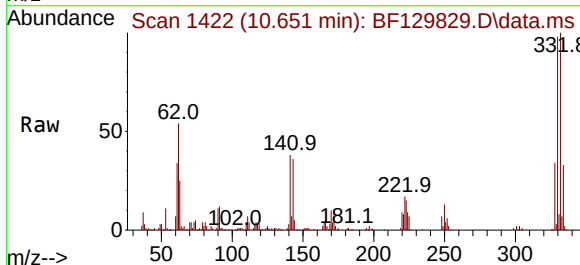
Instrument :
BNA_F
ClientSampleId :
HD-02-081222

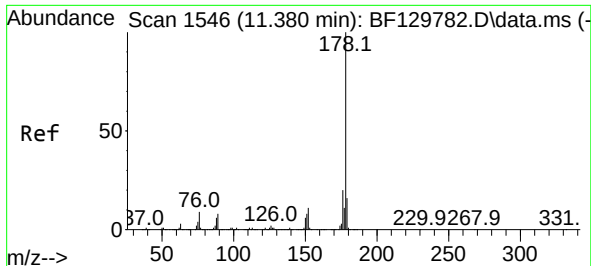
Tgt Ion:188 Resp: 282259
Ion Ratio Lower Upper
188 100
94 10.9 7.4 11.2
80 11.5 7.9 11.9



#67
4-Bromophenyl-phenylether
Concen: 3.342 ng
RT: 10.651 min Scan# 1422
Delta R.T. -0.241 min
Lab File: BF129829.D
Acq: 17 Aug 2022 01:05

Tgt Ion:248 Resp: 11050
Ion Ratio Lower Upper
248 100
250 194.0 77.8 116.6#
141 560.7 66.2 99.2#

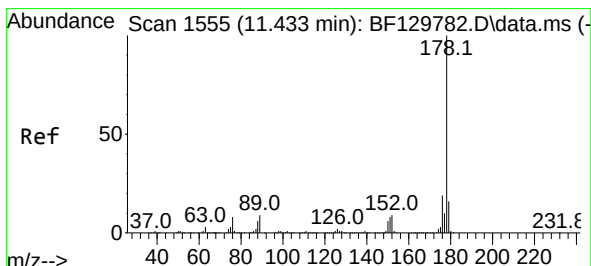
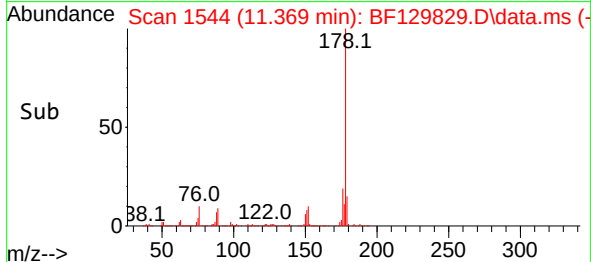
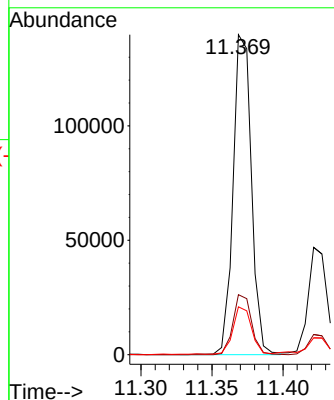
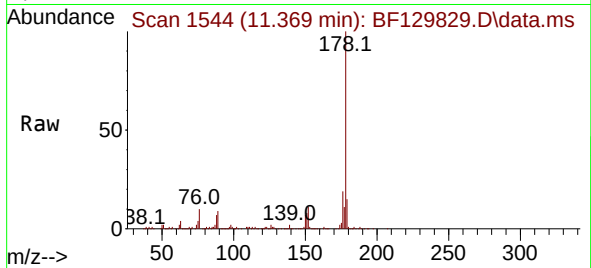




#71
Phenanthrene
Concen: 7.981 ng
RT: 11.369 min Scan# 11
Delta R.T. -0.012 min
Lab File: BF129829.D
Acq: 17 Aug 2022 01:05

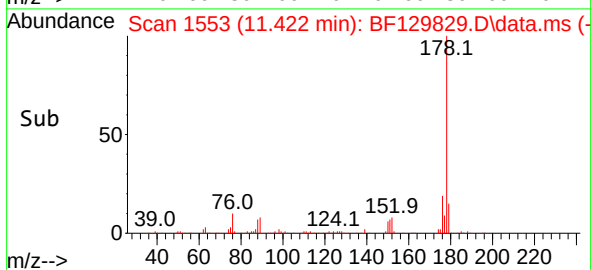
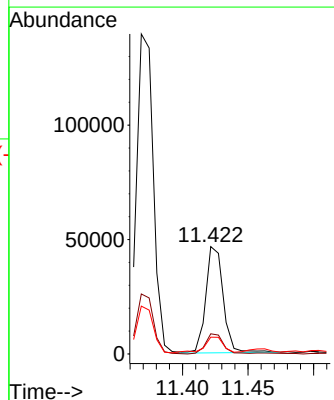
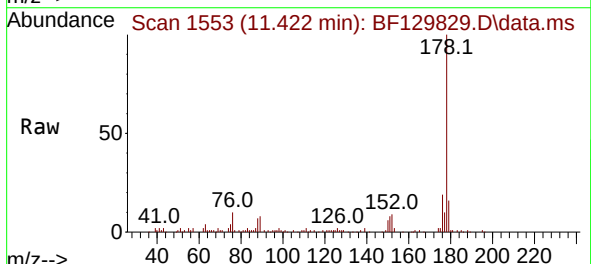
Instrument :
BNA_F
ClientSampleId :
HD-02-081222

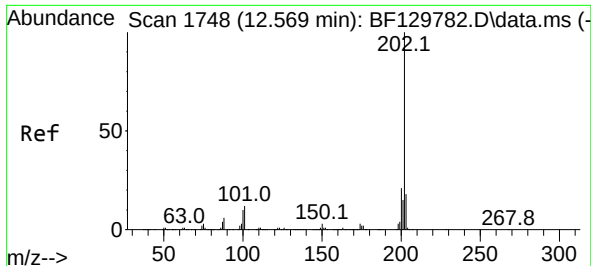
Tgt Ion:178 Resp: 125819
Ion Ratio Lower Upper
178 100
176 18.7 15.5 23.3
179 15.0 12.5 18.7



#72
Anthracene
Concen: 2.761 ng
RT: 11.422 min Scan# 1553
Delta R.T. -0.012 min
Lab File: BF129829.D
Acq: 17 Aug 2022 01:05

Tgt Ion:178 Resp: 43283
Ion Ratio Lower Upper
178 100
176 18.8 15.1 22.7
179 15.6 12.6 18.8

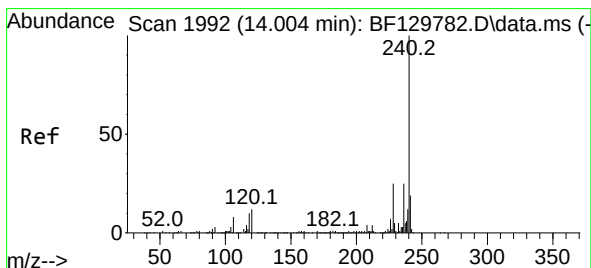
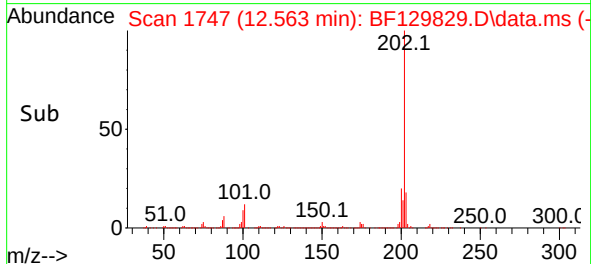
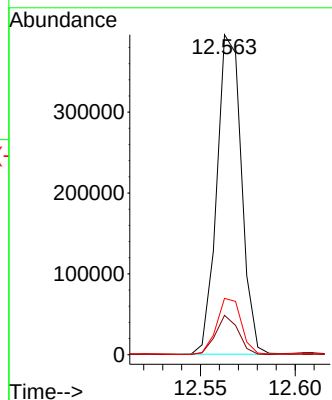
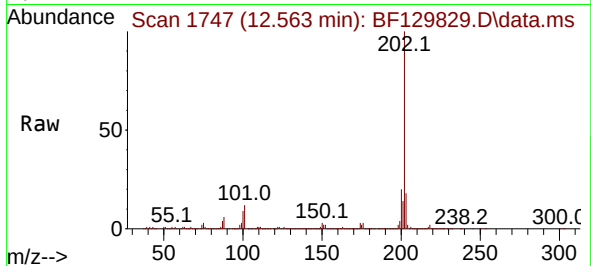




#75
Fluoranthene
Concen: 22.213 ng
RT: 12.563 min Scan# 11
Delta R.T. -0.012 min
Lab File: BF129829.D
Acq: 17 Aug 2022 01:05

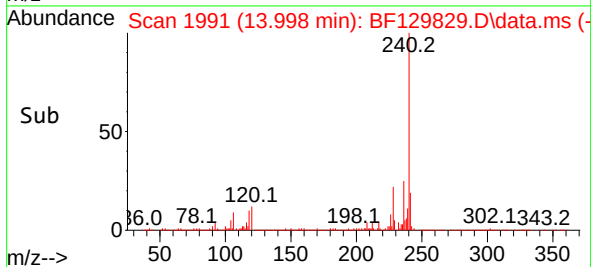
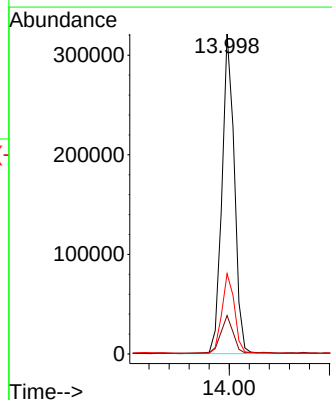
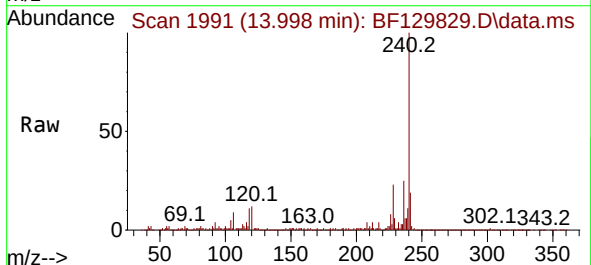
Instrument :
BNA_F
ClientSampleId :
HD-02-081222

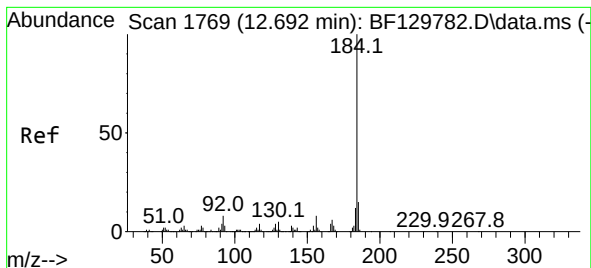
Tgt Ion:202 Resp: 358319
Ion Ratio Lower Upper
202 100
101 12.3 0.0 30.7
203 17.6 0.0 37.5



#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.998 min Scan# 1991
Delta R.T. -0.006 min
Lab File: BF129829.D
Acq: 17 Aug 2022 01:05

Tgt Ion:240 Resp: 274793
Ion Ratio Lower Upper
240 100
120 12.0 9.2 13.8
236 25.1 20.7 31.1





#77

Benzidine

Concen: Below Cal

RT: 12.674 min Scan# 1766

Delta R.T. -0.018 min

Lab File: BF129829.D

Acq: 17 Aug 2022 01:05

Instrument :

BNA_F

ClientSampleId :

HD-02-081222

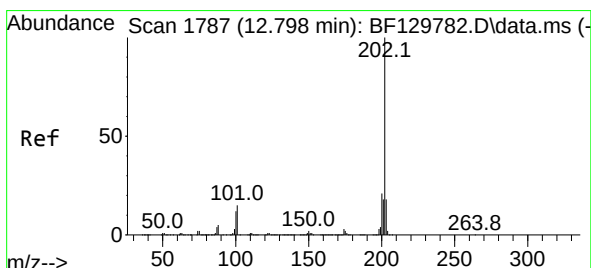
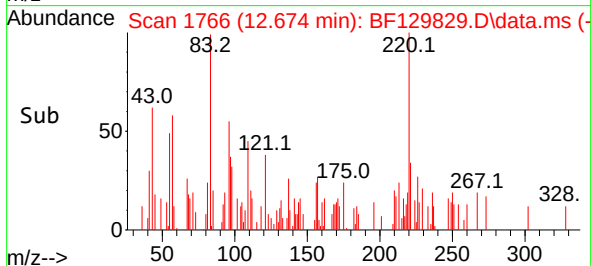
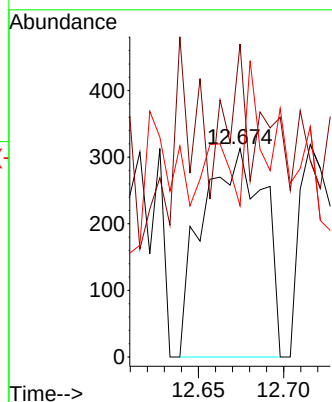
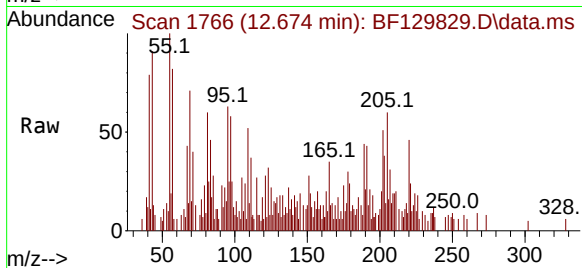
Tgt Ion:184 Resp: 784

Ion Ratio Lower Upper

184 100

185 150.2 11.4 17.2#

183 72.5 9.4 14.2#



#78

Pyrene

Concen: 15.844 ng

RT: 12.798 min Scan# 1787

Delta R.T. -0.006 min

Lab File: BF129829.D

Acq: 17 Aug 2022 01:05

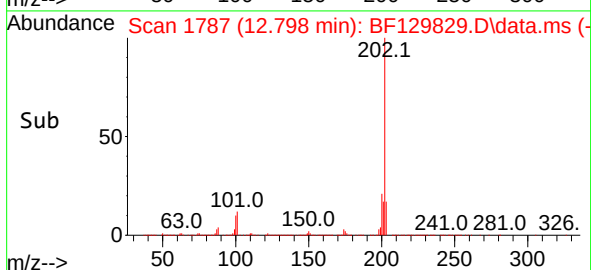
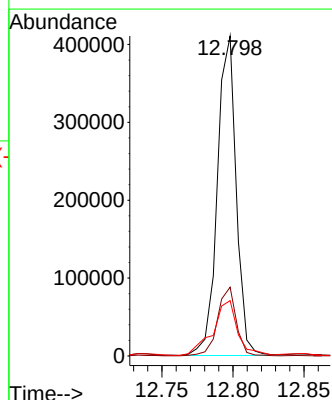
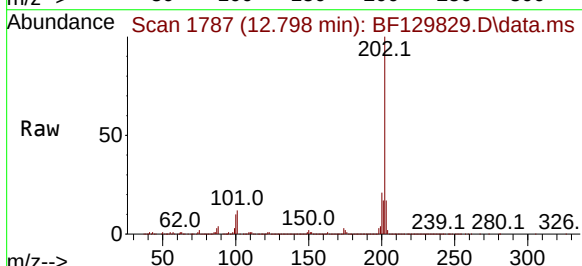
Tgt Ion:202 Resp: 378354

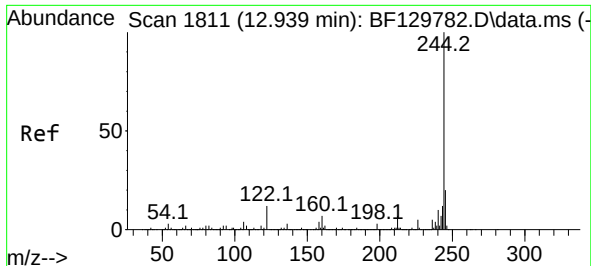
Ion Ratio Lower Upper

202 100

200 21.5 17.0 25.6

203 17.3 14.1 21.1

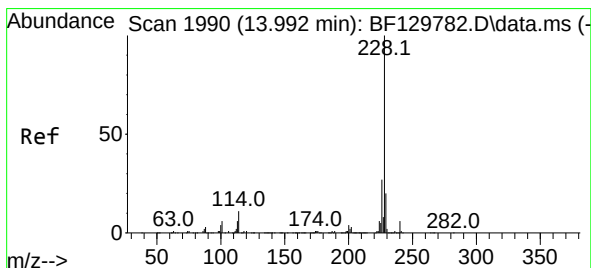
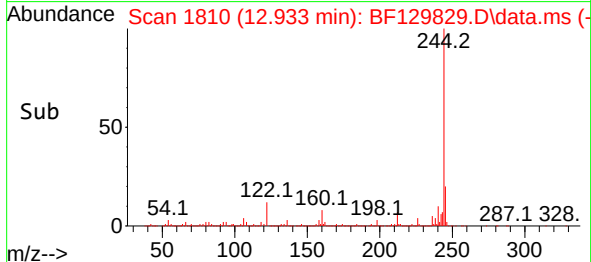
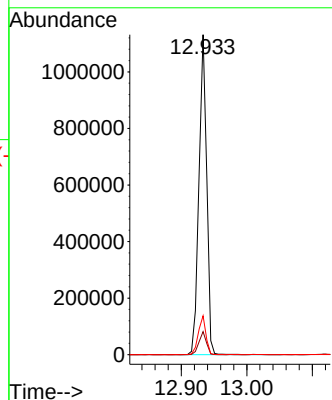
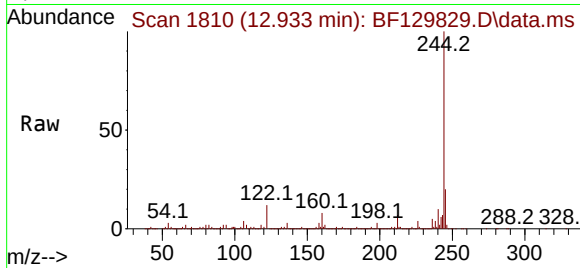




#79
 Terphenyl-d14
 Concen: 56.403 ng
 RT: 12.933 min Scan# 1811
 Delta R.T. -0.006 min
 Lab File: BF129829.D
 Acq: 17 Aug 2022 01:05

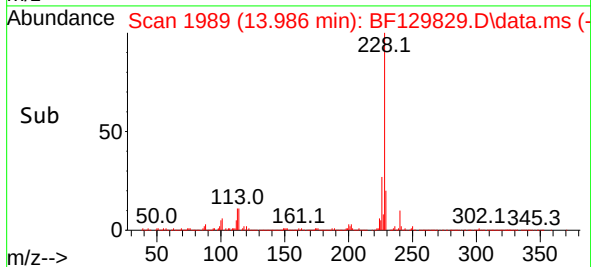
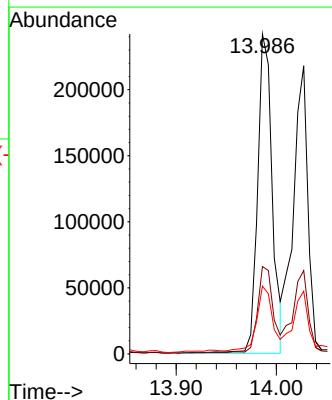
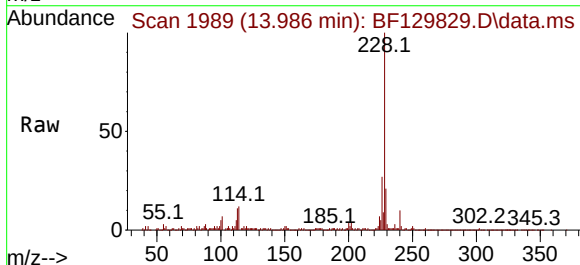
Instrument :
 BNA_F
 ClientSampleId :
 HD-02-081222

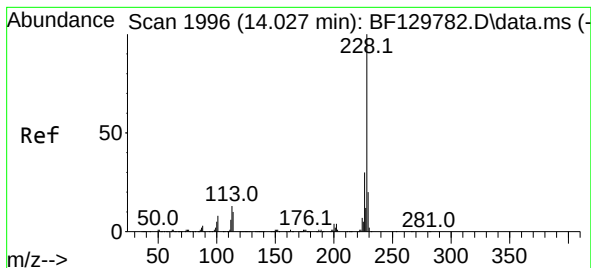
Tgt Ion:244 Resp: 931472
 Ion Ratio Lower Upper
 244 100
 212 7.2 5.9 8.9
 122 12.2 9.9 14.9



#81
 Benzo(a)anthracene
 Concen: 12.950 ng
 RT: 13.986 min Scan# 1989
 Delta R.T. -0.006 min
 Lab File: BF129829.D
 Acq: 17 Aug 2022 01:05

Tgt Ion:228 Resp: 244804
 Ion Ratio Lower Upper
 228 100
 226 27.3 21.4 32.0
 229 21.2 16.1 24.1





#83

Chrysene

Concen: 12.486 ng

RT: 14.027 min Scan# 1996

Delta R.T. -0.006 min

Lab File: BF129829.D

Acq: 17 Aug 2022 01:05

Instrument :

BNA_F

ClientSampleId :

HD-02-081222

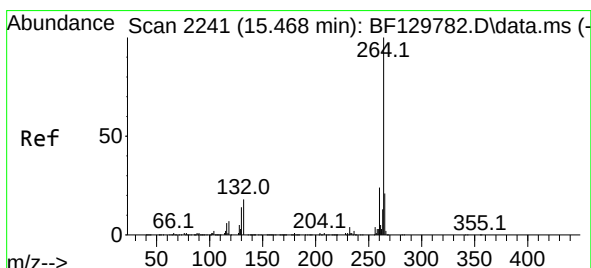
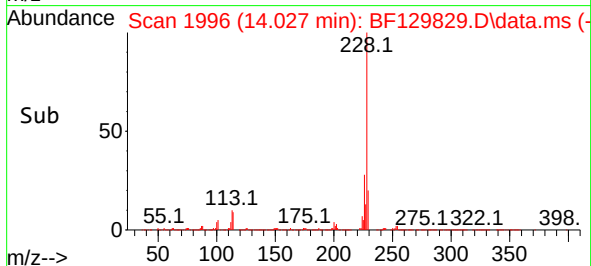
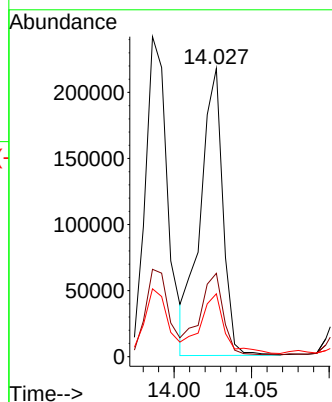
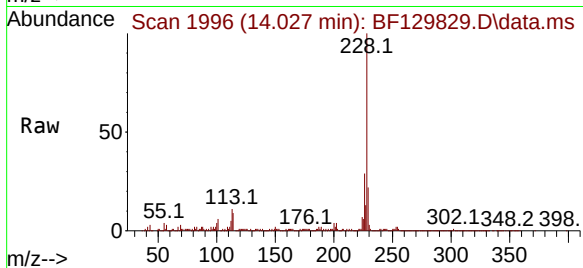
Tgt Ion:228 Resp: 220940

Ion Ratio Lower Upper

228 100

226 28.9 24.4 36.6

229 21.8 15.9 23.9



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.474 min Scan# 2242

Delta R.T. 0.006 min

Lab File: BF129829.D

Acq: 17 Aug 2022 01:05

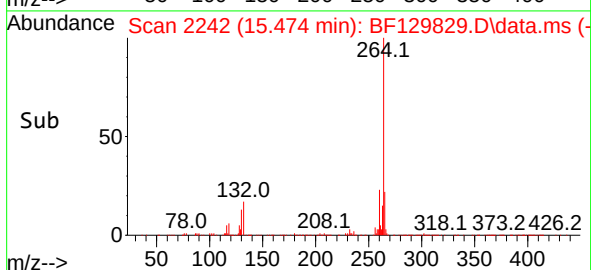
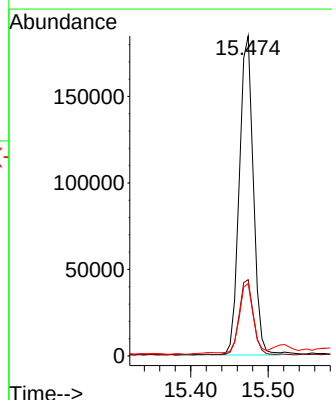
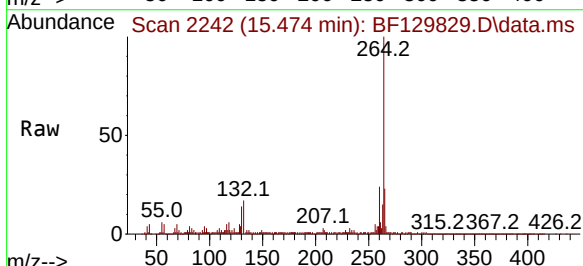
Tgt Ion:264 Resp: 233111

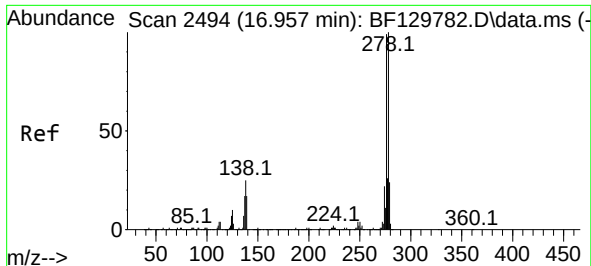
Ion Ratio Lower Upper

264 100

260 23.9 19.1 28.7

265 22.6 16.7 25.1

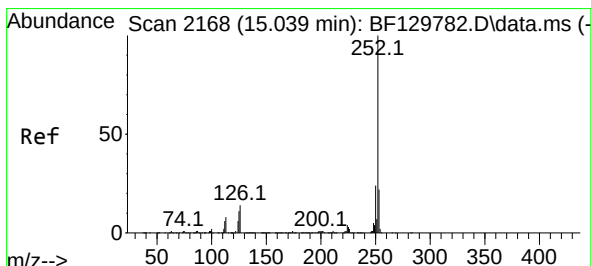
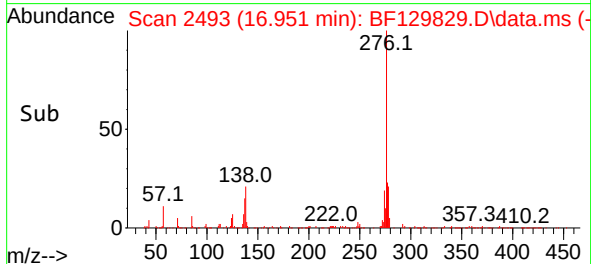
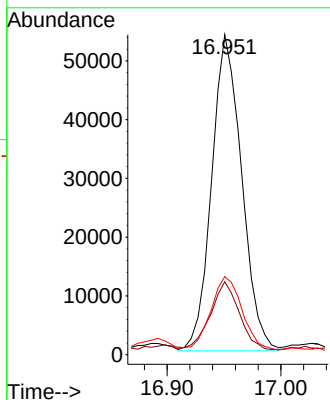
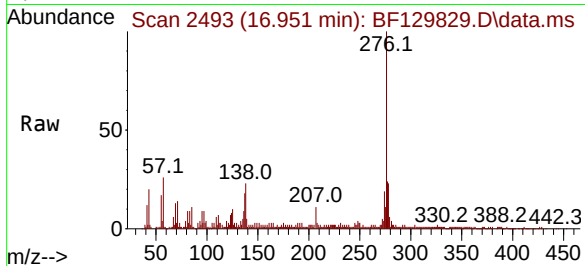




#87
Indeno(1,2,3-cd)pyrene
Concen: 6.178 ng
RT: 16.951 min Scan# 2493
Delta R.T. -0.006 min
Lab File: BF129829.D
Acq: 17 Aug 2022 01:05

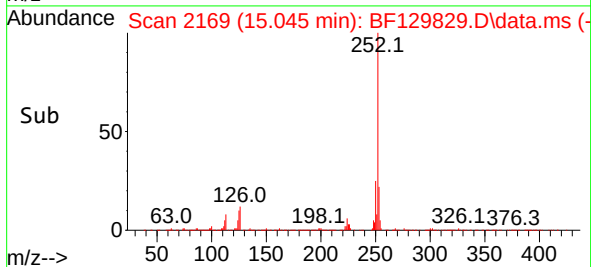
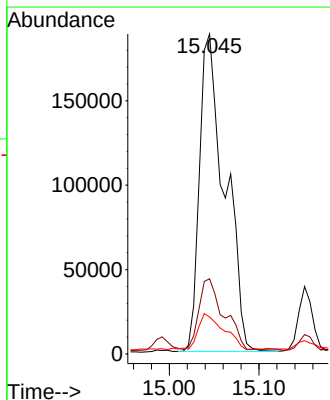
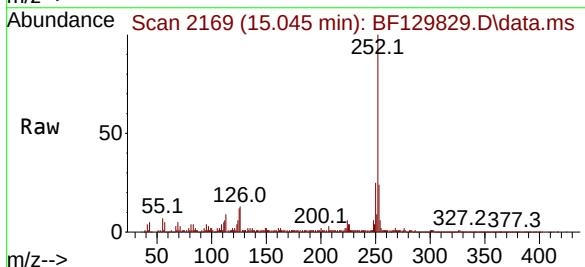
Instrument :
BNA_F
ClientSampleId :
HD-02-081222

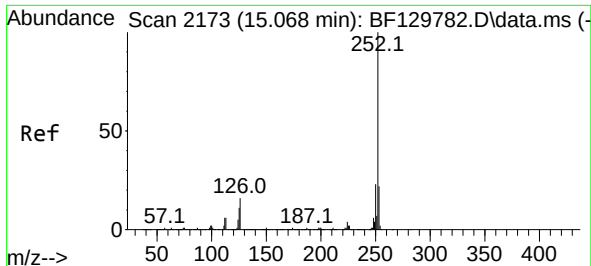
Tgt Ion:276 Resp: 98869
Ion Ratio Lower Upper
276 100
138 20.9 19.8 29.8
277 24.2 20.4 30.6



#88
Benzo(b)fluoranthene
Concen: 23.121 ng
RT: 15.045 min Scan# 2169
Delta R.T. 0.006 min
Lab File: BF129829.D
Acq: 17 Aug 2022 01:05

Tgt Ion:252 Resp: 369073
Ion Ratio Lower Upper
252 100
253 23.5 17.5 26.3
125 11.5 8.3 12.5

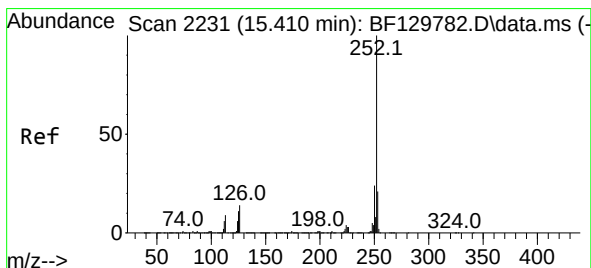
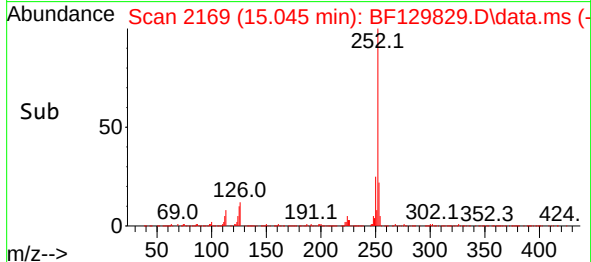
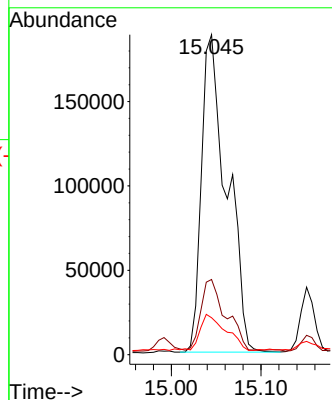
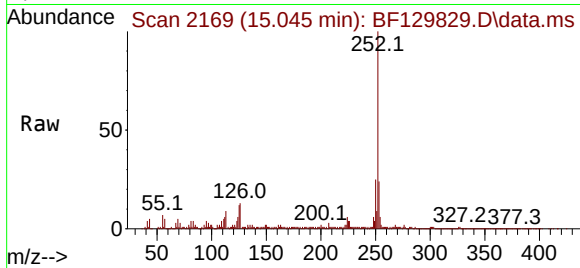




#89
Benzo(k)fluoranthene
Concen: 24.110 ng
RT: 15.045 min Scan# 2173
Delta R.T. -0.024 min
Lab File: BF129829.D
Acq: 17 Aug 2022 01:05

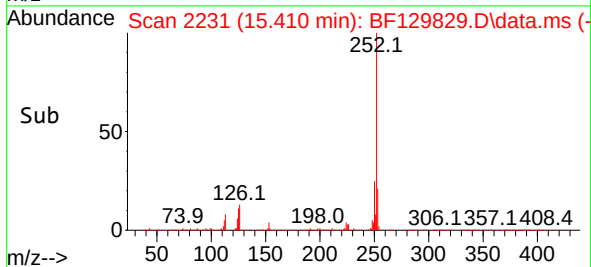
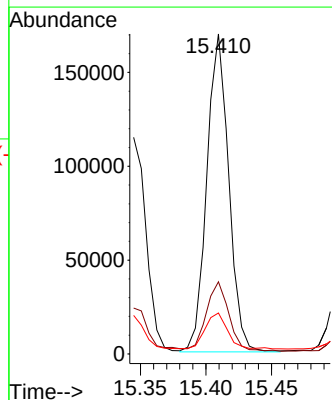
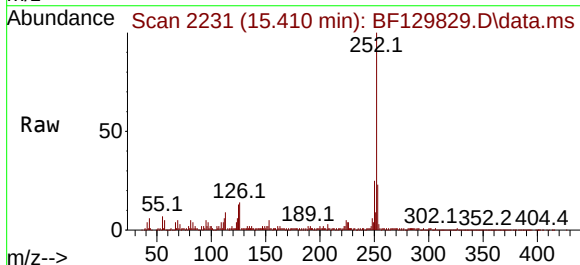
Instrument :
BNA_F
ClientSampleId :
HD-02-081222

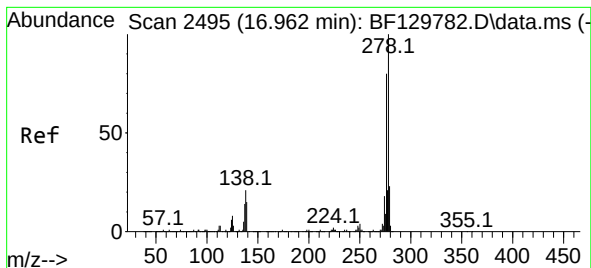
Tgt Ion:252 Resp: 369073
Ion Ratio Lower Upper
252 100
253 23.5 17.1 25.7
125 11.5 8.3 12.5



#90
Benzo(a)pyrene
Concen: 15.679 ng
RT: 15.410 min Scan# 2231
Delta R.T. -0.000 min
Lab File: BF129829.D
Acq: 17 Aug 2022 01:05

Tgt Ion:252 Resp: 197094
Ion Ratio Lower Upper
252 100
253 22.5 17.2 25.8
125 12.8 8.8 13.2





#91

Dibenzo(a,h)anthracene

Concen: 2.017 ng

RT: 16.951 min Scan# 2495

Delta R.T. -0.012 min

Lab File: BF129829.D

Acq: 17 Aug 2022 01:05

Instrument :

BNA_F

ClientSampleId :

HD-02-081222

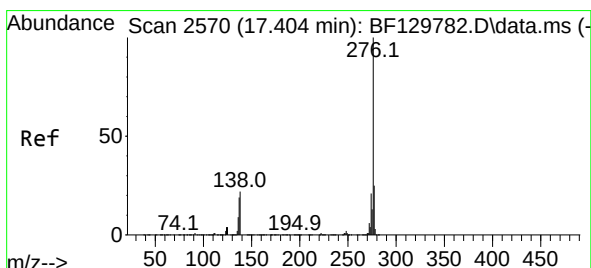
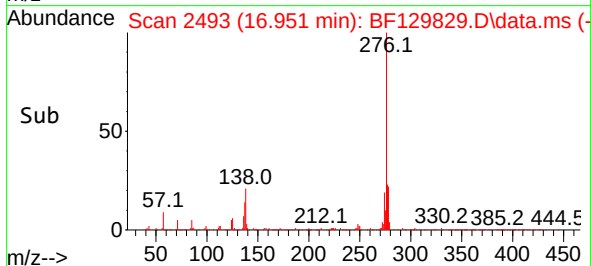
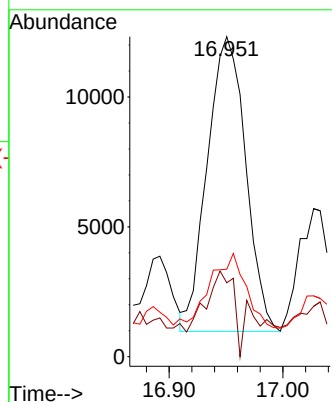
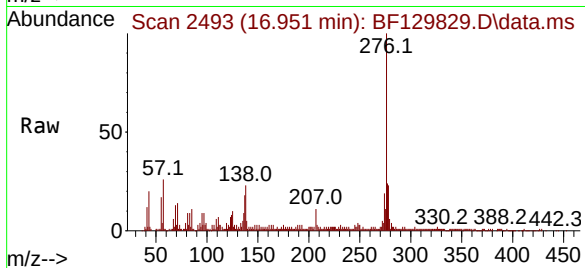
Tgt Ion:278 Resp: 26632

Ion Ratio Lower Upper

278 100

139 23.1 12.2 18.4#

279 27.4 18.7 28.1



#92

Benzo(g,h,i)perylene

Concen: 7.029 ng

RT: 17.404 min Scan# 2570

Delta R.T. -0.000 min

Lab File: BF129829.D

Acq: 17 Aug 2022 01:05

Tgt Ion:276 Resp: 92596

Ion Ratio Lower Upper

276 100

277 25.4 18.2 27.4

138 23.1 15.8 23.8

