

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF042922\
 Data File : BF128007.D
 Acq On : 29 Apr 2022 21:04
 Operator : CG\JU
 Sample : N2616-01
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 MH-18S

Quant Time: May 02 00:58:48 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF042222.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Apr 28 05:13:03 2022
 Response via : Initial Calibration

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

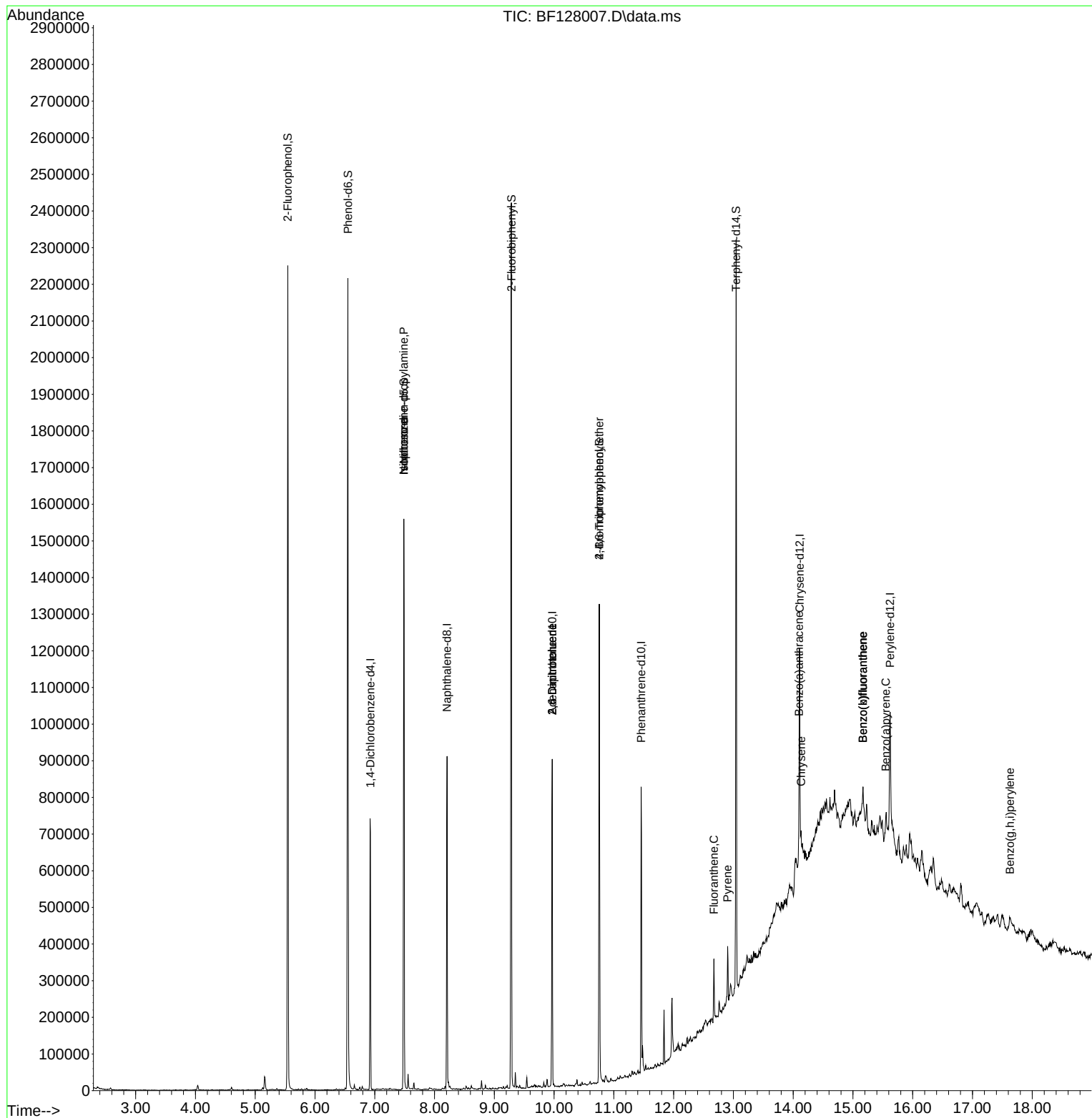
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.928	152	103006	20.000	ng	0.00
21) Naphthalene-d8	8.210	136	361766	20.000	ng	0.00
39) Acenaphthene-d10	9.969	164	175549	20.000	ng	0.00
64) Phenanthrene-d10	11.457	188	285650	20.000	ng	-0.01
76) Chrysene-d12	14.110	240	206155	20.000	ng	0.00
86) Perylene-d12	15.621	264	142909	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.545	112	555427	85.886	ng	0.00
7) Phenol-d6	6.551	99	696833	83.041	ng	-0.01
23) Nitrobenzene-d5	7.486	82	520799	67.696	ng	-0.02
42) 2,4,6-Tribromophenol	10.757	330	143070	80.959	ng	-0.01
45) 2-Fluorobiphenyl	9.286	172	762187	73.451	ng	0.00
79) Terphenyl-d14	13.045	244	645536	57.258	ng	-0.01
Target Compounds					Qvalue	
19) n-Nitroso-di-n-propyla...	7.486	70	69722	13.573	ng	# 81
25) Isophorone	7.486	82	517588	39.974	ng	# 68
51) 2,6-Dinitrotoluene	9.969	165	23312	9.145	ng	# 21
57) 2,4-Dinitrotoluene	9.969	165	23312	6.904	ng	# 26
67) 4-Bromophenyl-phenylether	10.757	248	8767	2.769	ng	# 1
75) Fluoranthene	12.674	202	58219	3.700	ng	96
78) Pyrene	12.904	202	57248	3.440	ng	99
81) Benzo(a)anthracene	14.098	228	28905	2.104	ng	# 82
83) Chrysene	14.133	228	29724	2.265	ng	# 94
88) Benzo(b)fluoranthene	15.168	252	45428	5.061	ng	# 64
89) Benzo(k)fluoranthene	15.168	252	45428	5.024	ng	# 62
90) Benzo(a)pyrene	15.551	252	23072	3.099	ng	# 60
92) Benzo(g,h,i)perylene	17.627	276	17793	2.207	ng	# 86

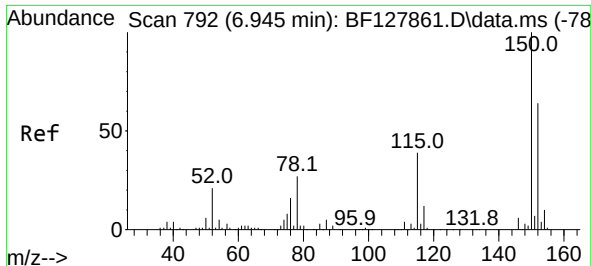
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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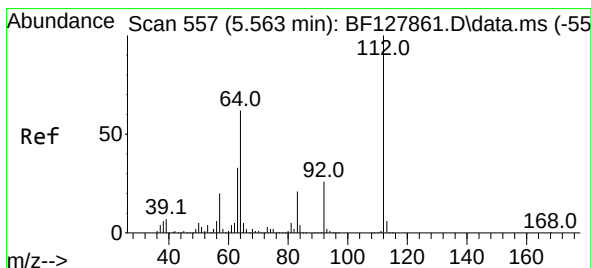
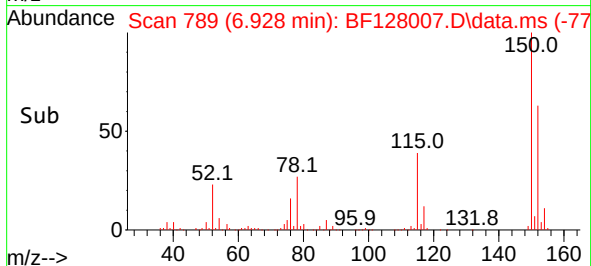
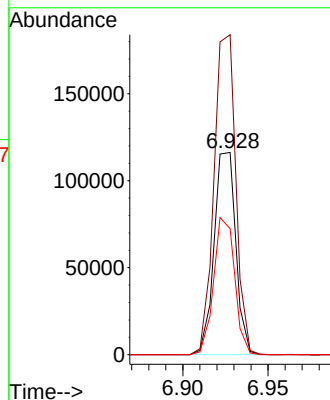
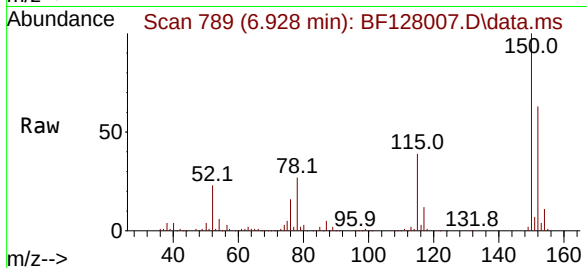




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.928 min Scan# 71
 Delta R.T. -0.006 min
 Lab File: BF128007.D
 Acq: 29 Apr 2022 21:04

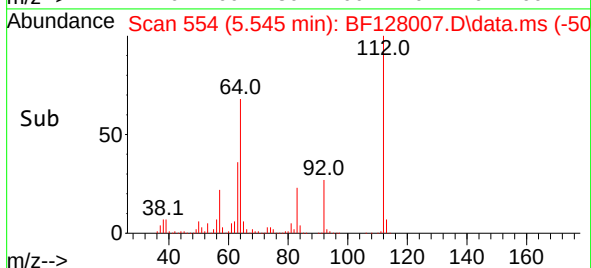
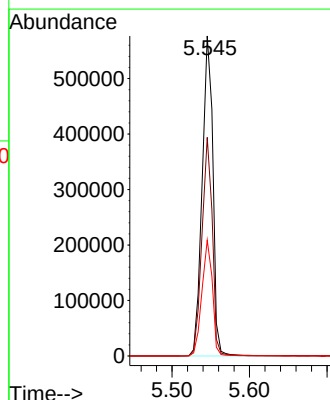
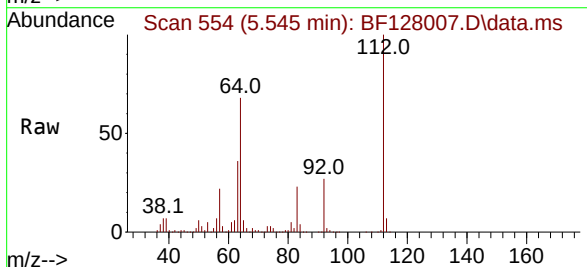
Instrument :
 BNA_F
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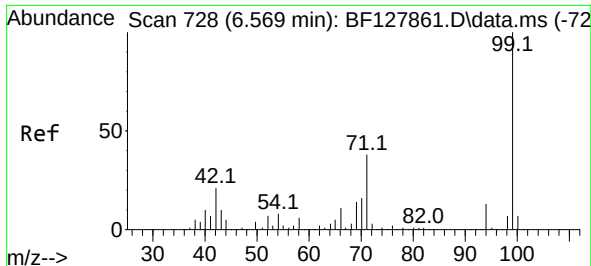
Tgt Ion:152 Resp: 103006
 Ion Ratio Lower Upper
 152 100
 150 158.2 125.3 187.9
 115 62.3 48.8 73.2



#5
 2-Fluorophenol
 Concen: 85.886 ng
 RT: 5.545 min Scan# 554
 Delta R.T. -0.006 min
 Lab File: BF128007.D
 Acq: 29 Apr 2022 21:04

Tgt Ion:112 Resp: 555427
 Ion Ratio Lower Upper
 112 100
 64 68.3 49.5 74.3
 63 36.2 26.3 39.5

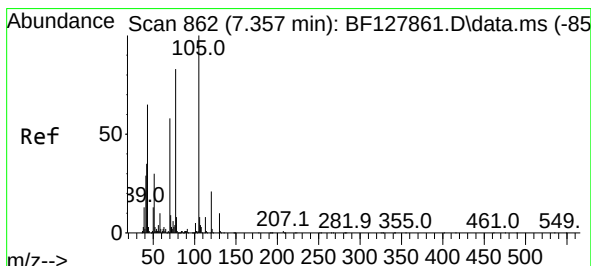
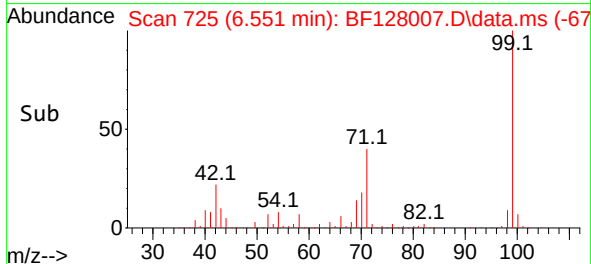
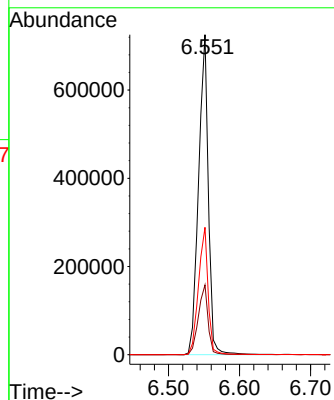
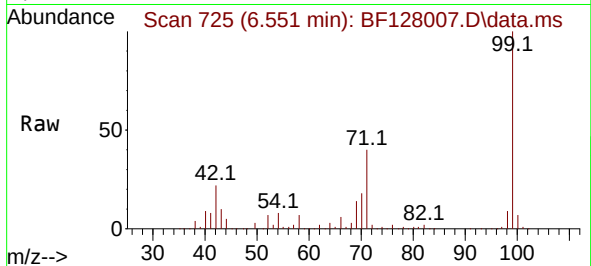




#7
Phenol-d6
Concen: 83.041 ng
RT: 6.551 min Scan# 71
Delta R.T. -0.012 min
Lab File: BF128007.D
Acq: 29 Apr 2022 21:04

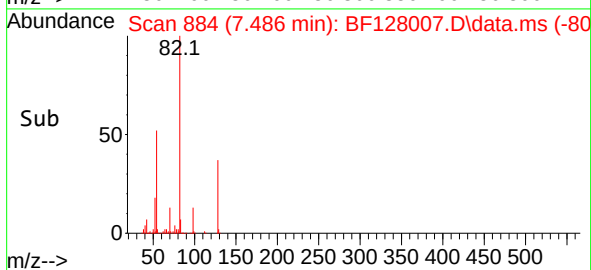
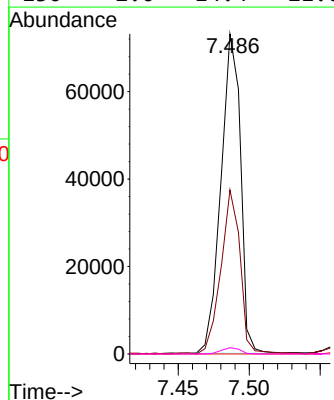
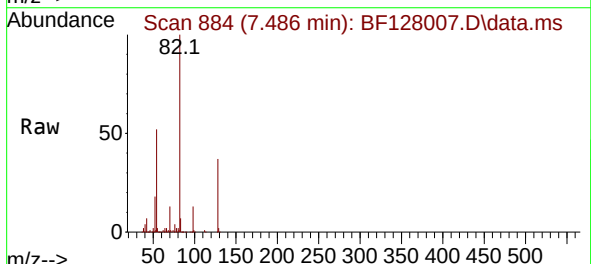
Instrument :
BNA_F
ClientSampleId :
MH-18S

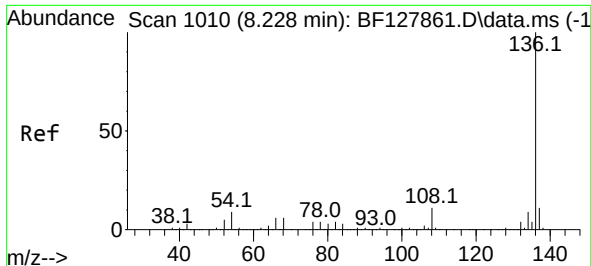
Tgt Ion: 99 Resp: 696833
Ion Ratio Lower Upper
99 100
42 21.8 16.6 24.8
71 39.8 30.0 45.0



#19
n-Nitroso-di-n-propylamine
Concen: 13.573 ng
RT: 7.486 min Scan# 884
Delta R.T. 0.141 min
Lab File: BF128007.D
Acq: 29 Apr 2022 21:04

Tgt Ion: 70 Resp: 69722
Ion Ratio Lower Upper
70 100
42 51.3 48.7 73.1
101 0.0 7.2 10.8#
130 2.0 14.4 21.6#

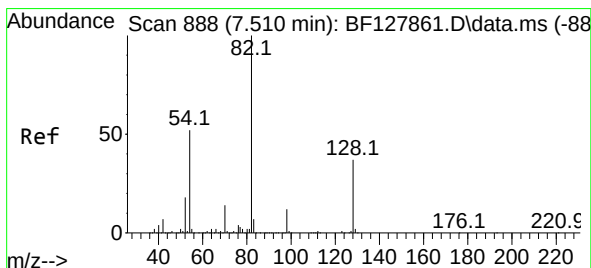
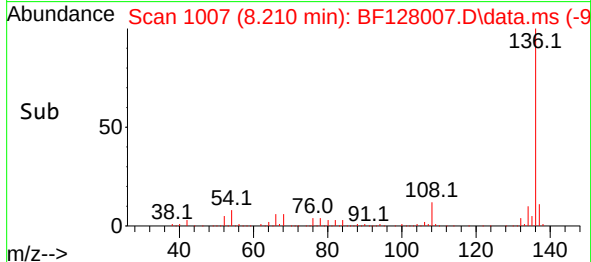
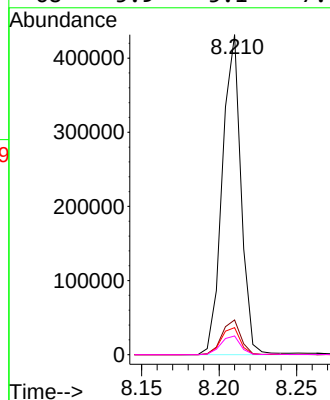
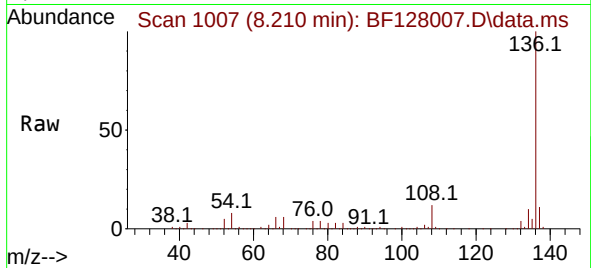




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.210 min Scan# 1010
Delta R.T. -0.006 min
Lab File: BF128007.D
Acq: 29 Apr 2022 21:04

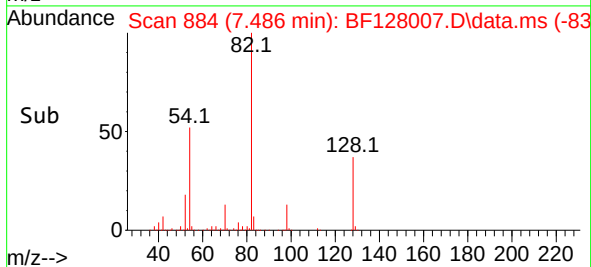
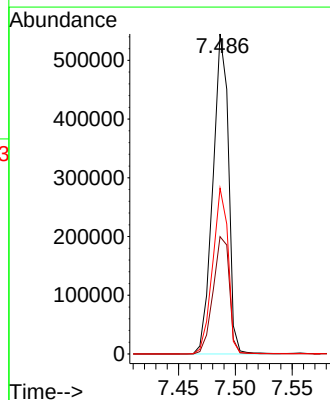
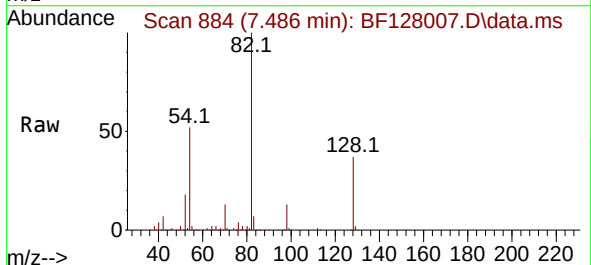
Instrument :
BNA_F
ClientSampleId :
MH-18S

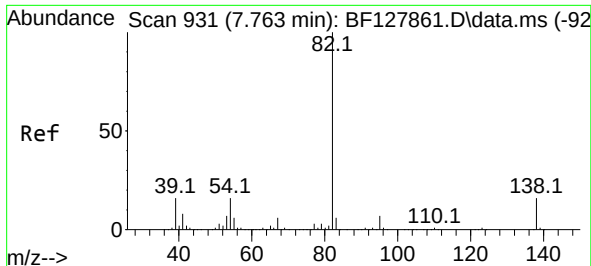
Tgt Ion:	136	Resp:	361766
Ion	Ratio	Lower	Upper
136	100		
137	10.9	8.6	13.0
54	8.4	6.8	10.2
68	5.9	5.1	7.7



#23
Nitrobenzene-d5
Concen: 67.696 ng
RT: 7.486 min Scan# 884
Delta R.T. -0.018 min
Lab File: BF128007.D
Acq: 29 Apr 2022 21:04

Tgt Ion:	82	Resp:	520799
Ion	Ratio	Lower	Upper
82	100		
128	36.7	30.0	45.0
54	51.8	41.3	61.9

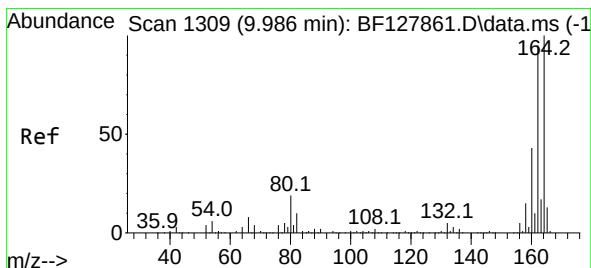
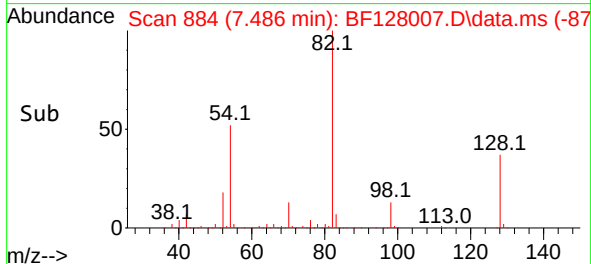
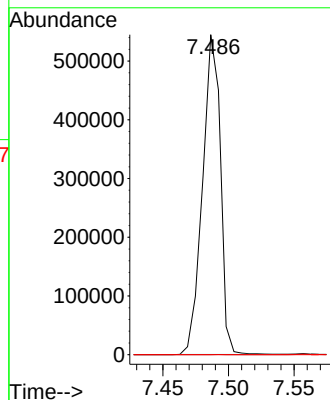
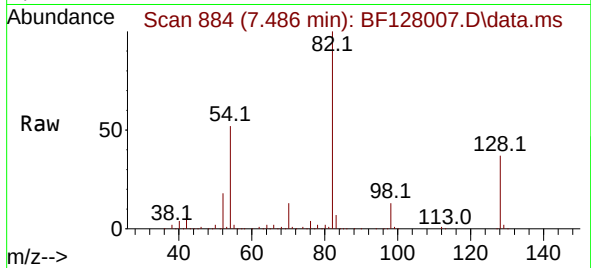




#25
Isophorone
Concen: 39.974 ng
RT: 7.486 min Scan# 81
Delta R.T. -0.271 min
Lab File: BF128007.D
Acq: 29 Apr 2022 21:04

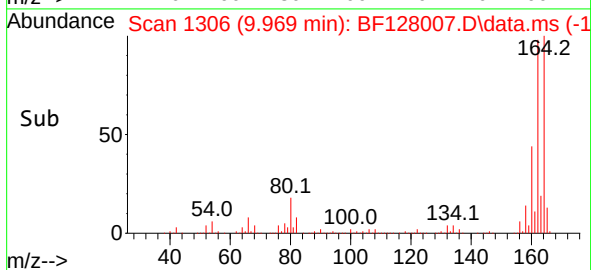
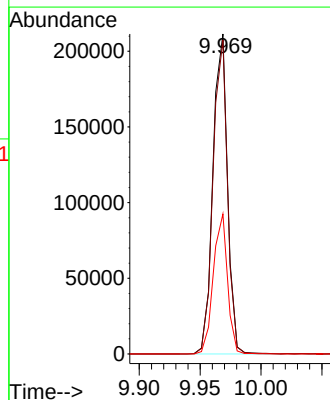
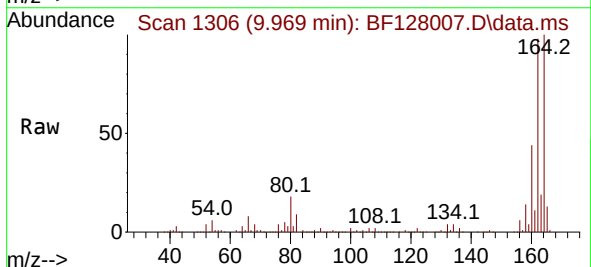
Instrument :
BNA_F
ClientSampleId :
MH-18S

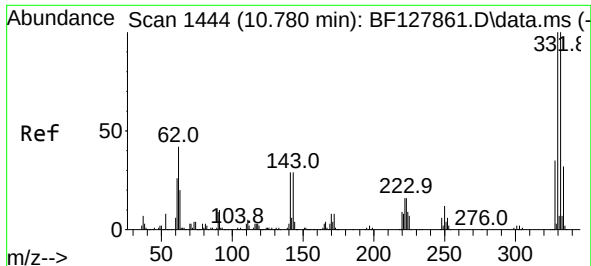
Tgt Ion: 82 Resp: 517588
Ion Ratio Lower Upper
82 100
95 0.0 5.6 8.4#
138 0.0 12.5 18.7#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.969 min Scan# 1306
Delta R.T. -0.006 min
Lab File: BF128007.D
Acq: 29 Apr 2022 21:04

Tgt Ion: 164 Resp: 175549
Ion Ratio Lower Upper
164 100
162 98.2 76.0 114.0
160 43.8 34.8 52.2





#42

2,4,6-Tribromophenol

Concen: 80.959 ng

RT: 10.757 min Scan# 1444

Delta R.T. -0.012 min

Lab File: BF128007.D

Acq: 29 Apr 2022 21:04

Instrument :

BNA_F

ClientSampleId :

MH-18S

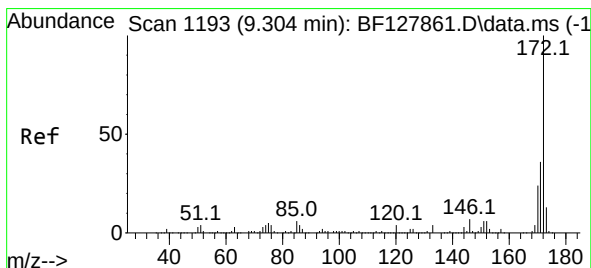
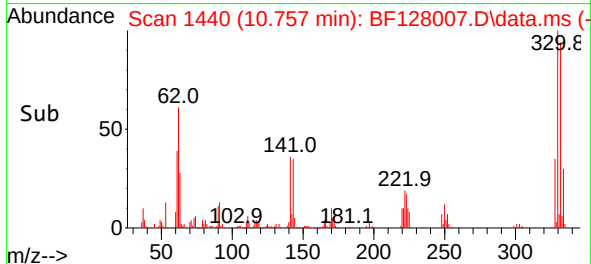
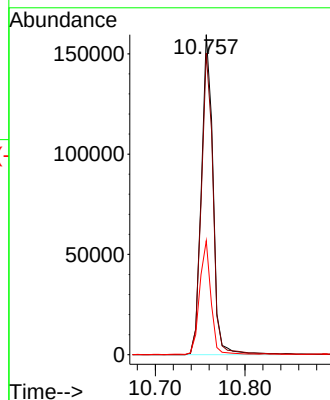
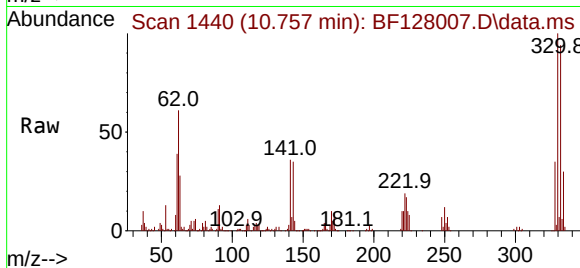
Tgt Ion:330 Resp: 143070

Ion Ratio Lower Upper

330 100

332 95.7 79.0 118.4

141 35.0 28.9 43.3



#45

2-Fluorobiphenyl

Concen: 73.451 ng

RT: 9.286 min Scan# 1190

Delta R.T. -0.006 min

Lab File: BF128007.D

Acq: 29 Apr 2022 21:04

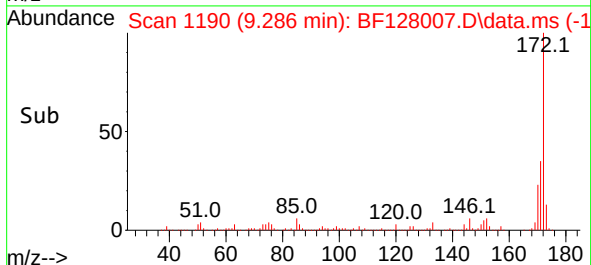
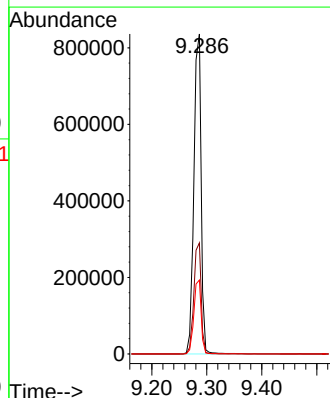
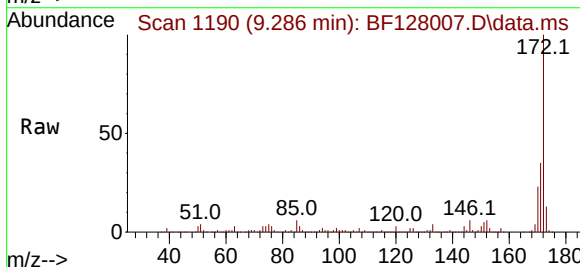
Tgt Ion:172 Resp: 762187

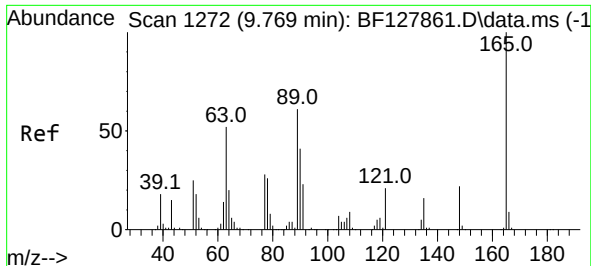
Ion Ratio Lower Upper

172 100

171 34.7 28.6 42.8

170 23.1 19.1 28.7

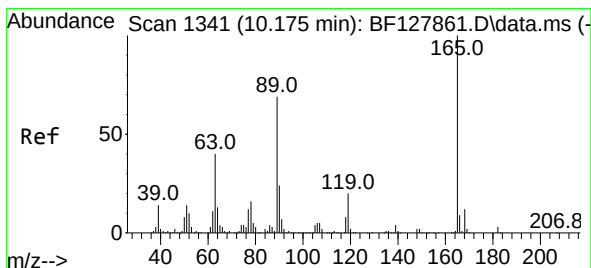
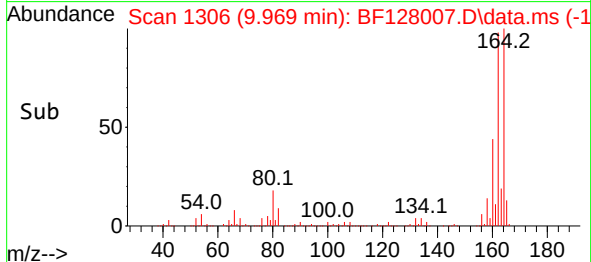
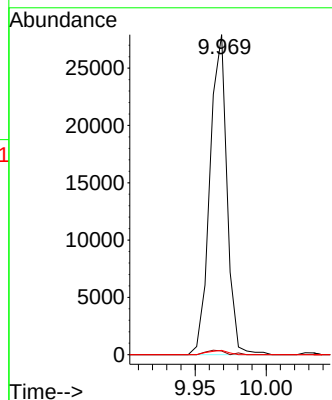
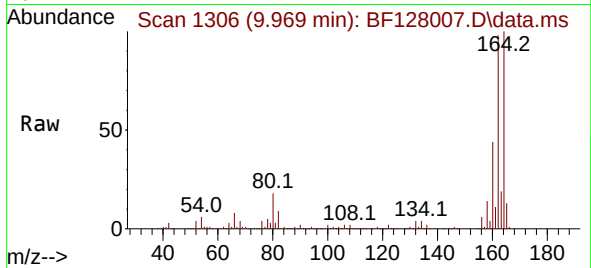




#51
2,6-Dinitrotoluene
Concen: 9.145 ng
RT: 9.969 min Scan# 11
Delta R.T. 0.206 min
Lab File: BF128007.D
Acq: 29 Apr 2022 21:04

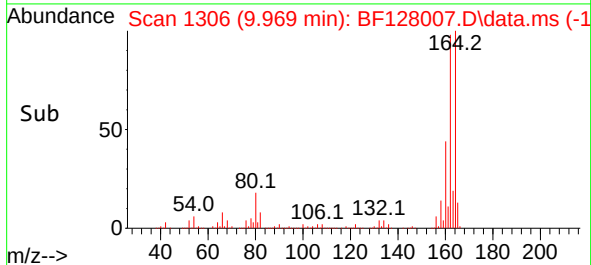
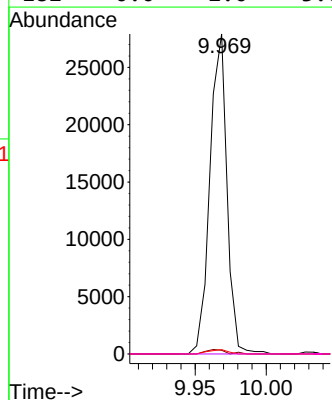
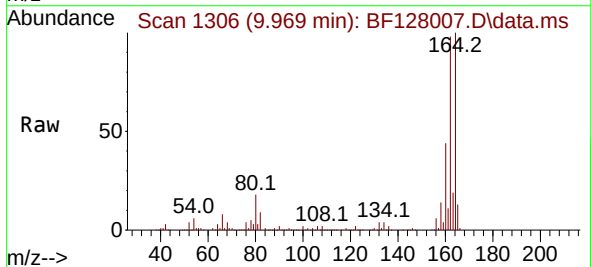
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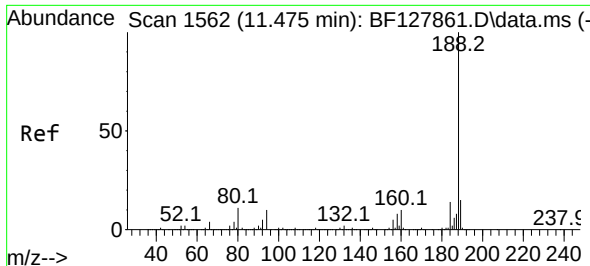
Tgt Ion:165 Resp: 23312
Ion Ratio Lower Upper
165 100
63 1.1 49.5 74.3#
89 1.3 49.0 73.4#



#57
2,4-Dinitrotoluene
Concen: 6.904 ng
RT: 9.969 min Scan# 1306
Delta R.T. -0.194 min
Lab File: BF128007.D
Acq: 29 Apr 2022 21:04

Tgt Ion:165 Resp: 23312
Ion Ratio Lower Upper
165 100
63 1.1 32.6 49.0#
89 1.3 55.2 82.8#
182 0.0 2.0 3.0#

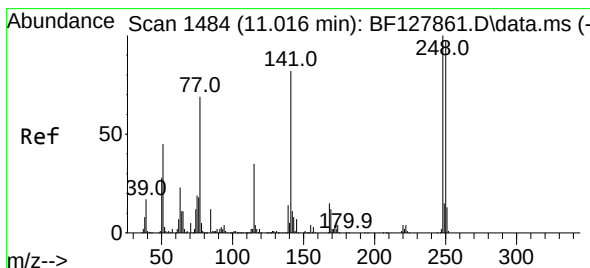
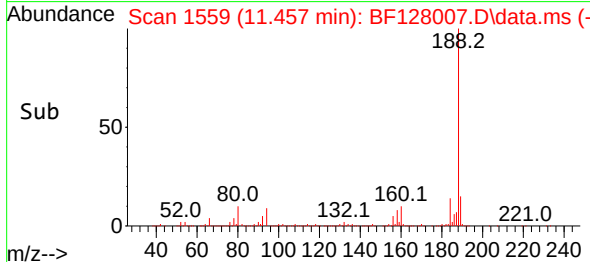
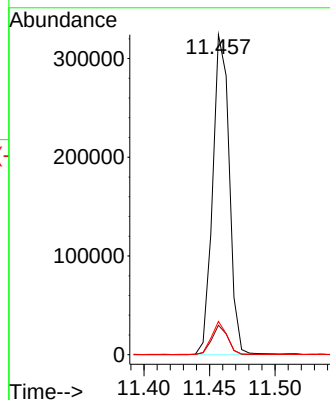
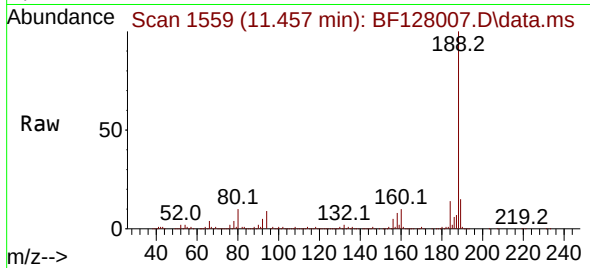




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.457 min Scan# 1
Delta R.T. -0.012 min
Lab File: BF128007.D
Acq: 29 Apr 2022 21:04

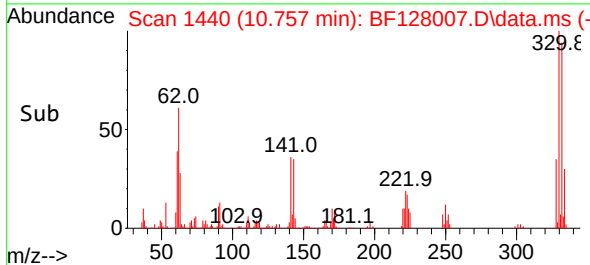
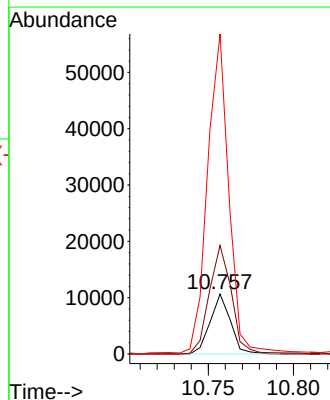
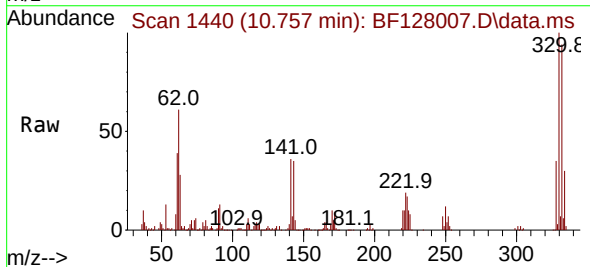
Instrument :
BNA_F
ClientSampleId :
MH-18S

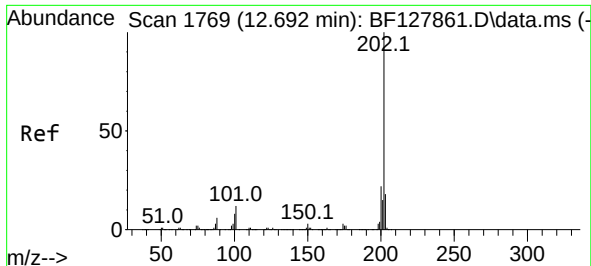
Tgt Ion:188 Resp: 285650
Ion Ratio Lower Upper
188 100
94 9.2 8.0 12.0
80 10.4 8.9 13.3



#67
4-Bromophenyl-phenylether
Concen: 2.769 ng
RT: 10.757 min Scan# 1440
Delta R.T. -0.253 min
Lab File: BF128007.D
Acq: 29 Apr 2022 21:04

Tgt Ion:248 Resp: 8767
Ion Ratio Lower Upper
248 100
250 181.5 77.7 116.5#
141 534.9 65.6 98.4#

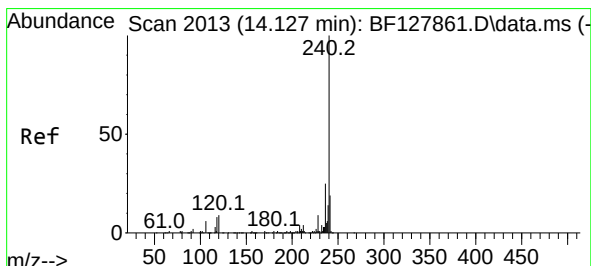
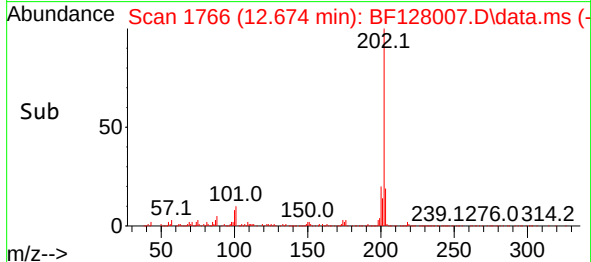
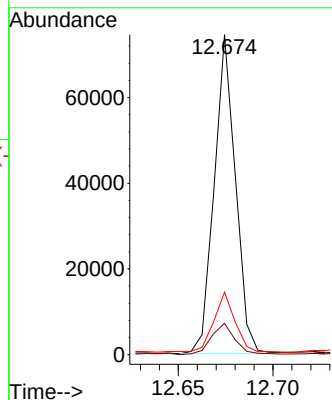
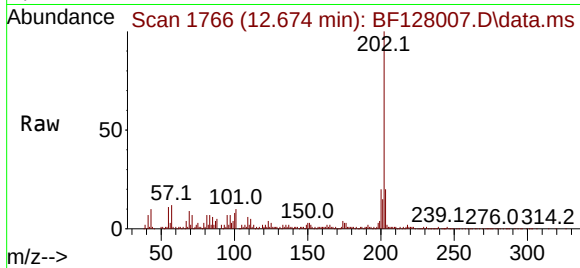




#75
Fluoranthene
Concen: 3.700 ng
RT: 12.674 min Scan# 11
Delta R.T. -0.012 min
Lab File: BF128007.D
Acq: 29 Apr 2022 21:04

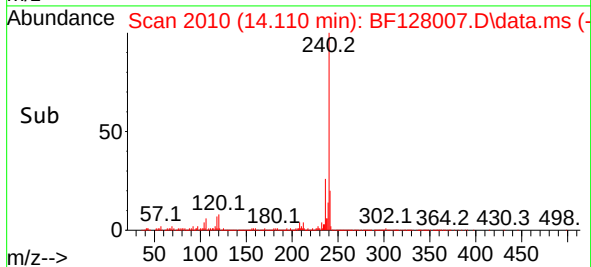
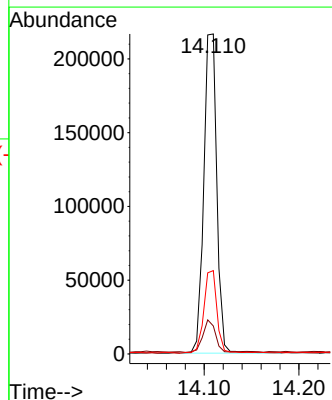
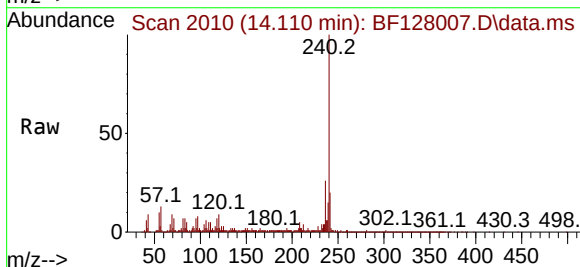
Instrument :
BNA_F
ClientSampleId :
MH-18S

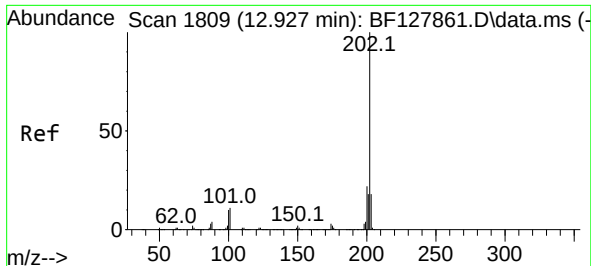
Tgt Ion:202 Resp: 58219
Ion Ratio Lower Upper
202 100
101 9.8 0.0 31.6
203 19.5 0.0 38.1



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.110 min Scan# 2010
Delta R.T. -0.006 min
Lab File: BF128007.D
Acq: 29 Apr 2022 21:04

Tgt Ion:240 Resp: 206155
Ion Ratio Lower Upper
240 100
120 8.7 7.0 10.6
236 26.1 20.3 30.5

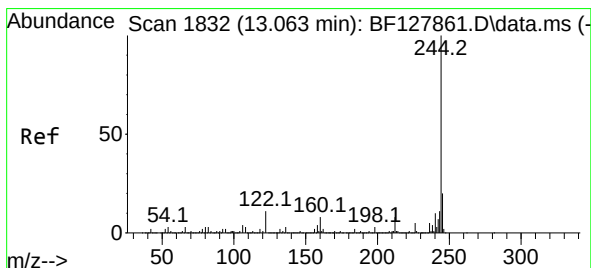
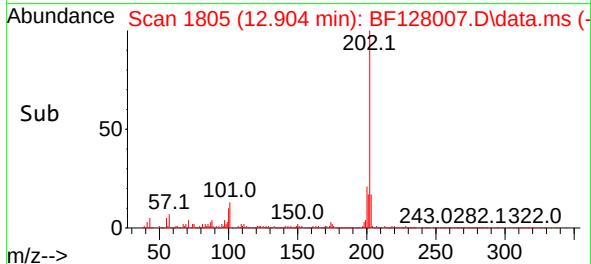
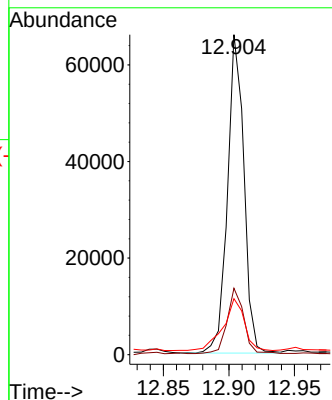
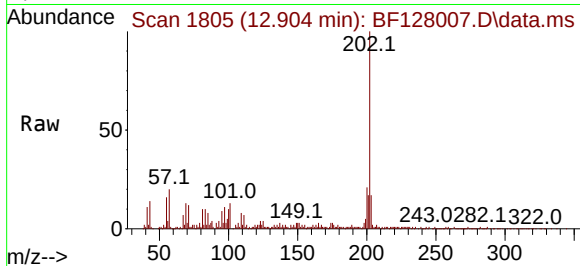




#78
Pyrene
Concen: 3.440 ng
RT: 12.904 min Scan# 1805
Delta R.T. -0.012 min
Lab File: BF128007.D
Acq: 29 Apr 2022 21:04

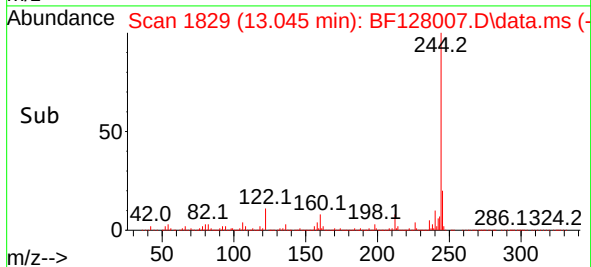
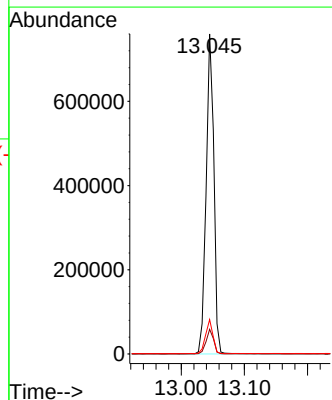
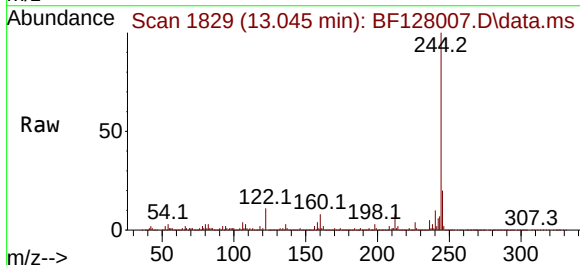
Instrument :
BNA_F
ClientSampleId :
MH-18S

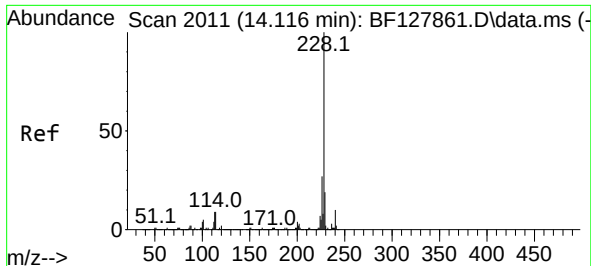
Tgt Ion:202 Resp: 57248
Ion Ratio Lower Upper
202 100
200 20.8 17.4 26.2
203 17.5 14.0 21.0



#79
Terphenyl-d14
Concen: 57.258 ng
RT: 13.045 min Scan# 1829
Delta R.T. -0.012 min
Lab File: BF128007.D
Acq: 29 Apr 2022 21:04

Tgt Ion:244 Resp: 645536
Ion Ratio Lower Upper
244 100
212 7.7 6.2 9.4
122 10.7 8.6 12.8

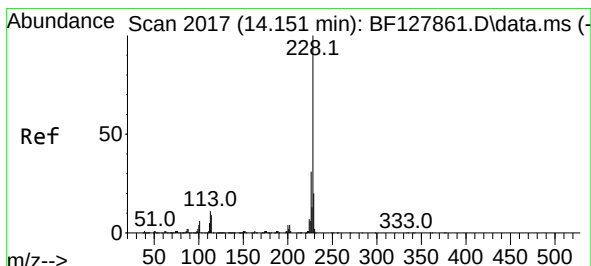
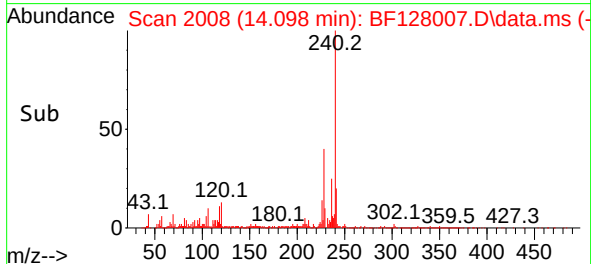
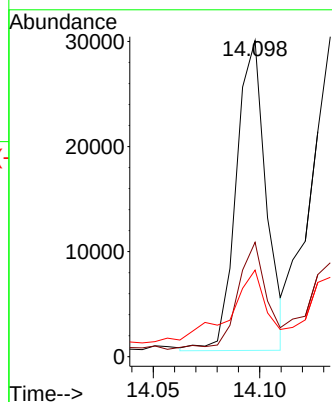
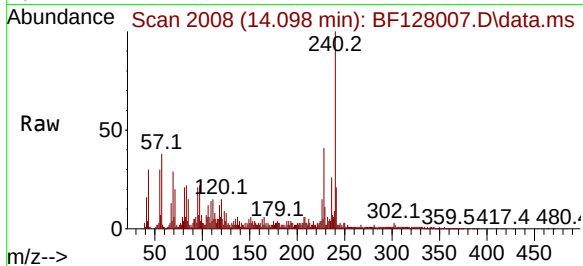




#81
Benzo(a)anthracene
Concen: 2.104 ng
RT: 14.098 min Scan# 2010
Delta R.T. -0.006 min
Lab File: BF128007.D
Acq: 29 Apr 2022 21:04

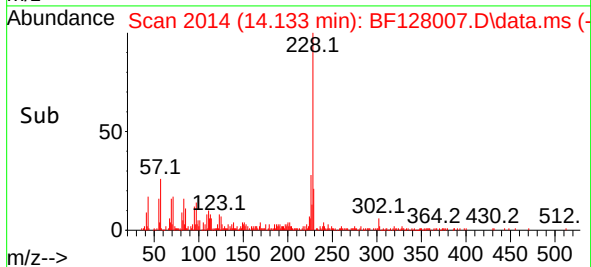
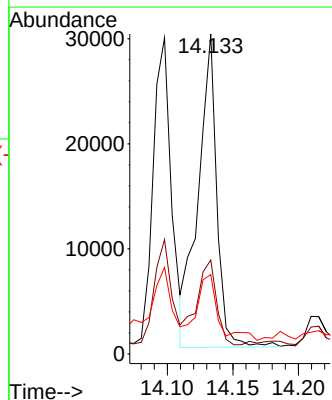
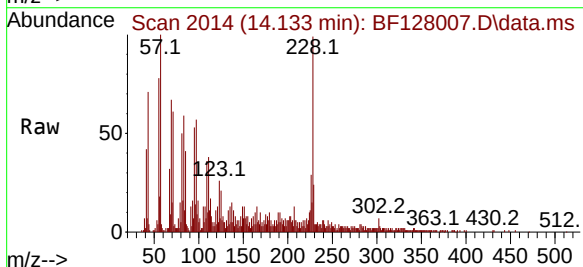
Instrument :
BNA_F
ClientSampleId :
MH-18S

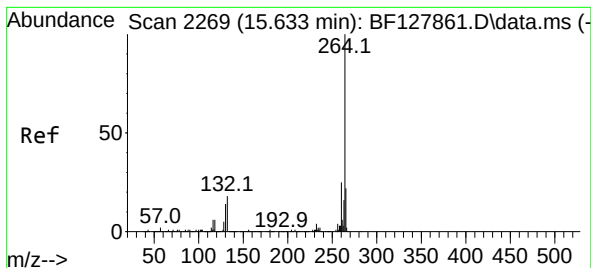
Tgt Ion:228 Resp: 28905
Ion Ratio Lower Upper
228 100
226 36.2 21.7 32.5#
229 27.4 15.4 23.2#



#83
Chrysene
Concen: 2.265 ng
RT: 14.133 min Scan# 2014
Delta R.T. -0.006 min
Lab File: BF128007.D
Acq: 29 Apr 2022 21:04

Tgt Ion:228 Resp: 29724
Ion Ratio Lower Upper
228 100
226 29.4 24.4 36.6
229 24.8 15.8 23.8#





#86

Perylene-d12

Concen: 20.000 ng

RT: 15.621 min Scan# 21

Delta R.T. 0.000 min

Lab File: BF128007.D

Acq: 29 Apr 2022 21:04

Instrument :

BNA_F

ClientSampleId :

MH-18S

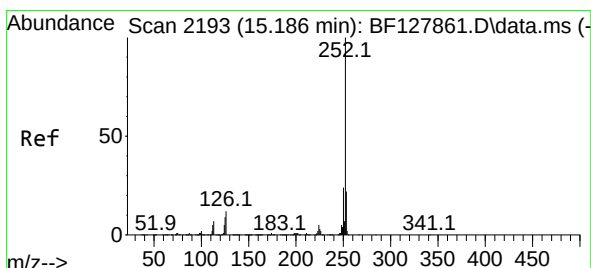
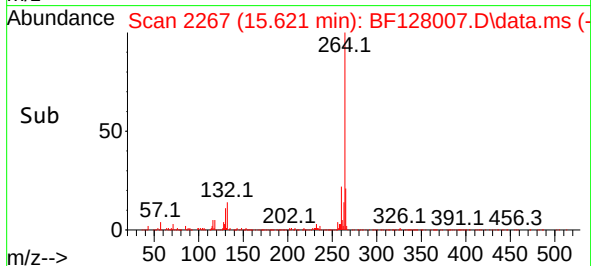
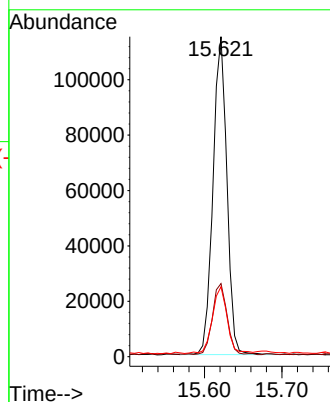
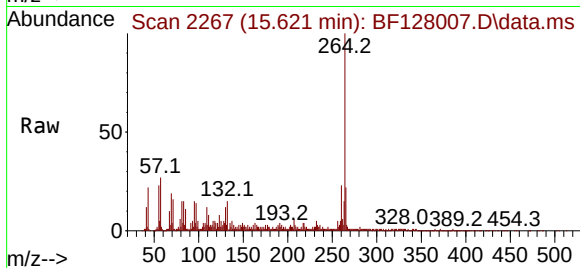
Tgt Ion:264 Resp: 142909

Ion Ratio Lower Upper

264 100

260 22.9 20.1 30.1

265 21.8 17.5 26.3



#88

Benzo(b)fluoranthene

Concen: 5.061 ng

RT: 15.168 min Scan# 2190

Delta R.T. -0.006 min

Lab File: BF128007.D

Acq: 29 Apr 2022 21:04

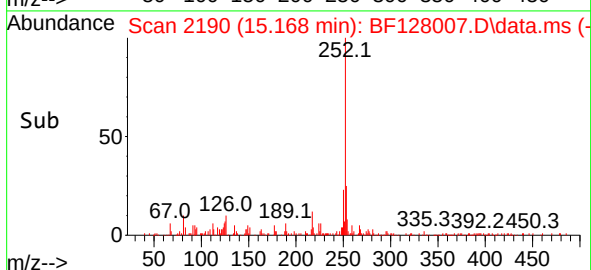
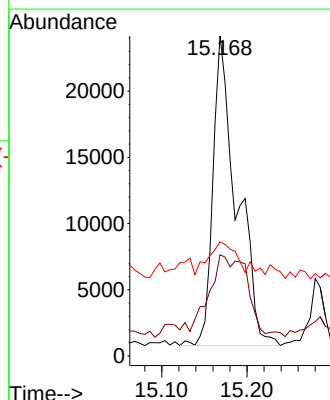
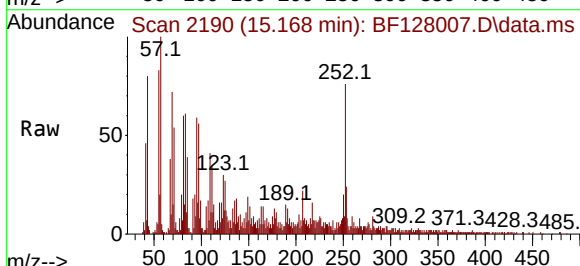
Tgt Ion:252 Resp: 45428

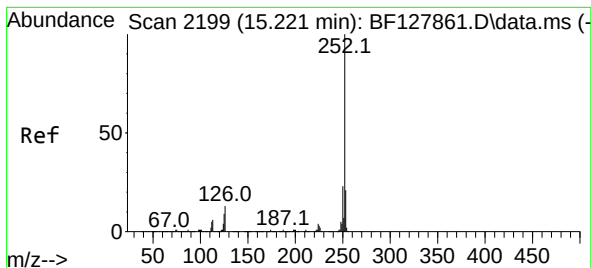
Ion Ratio Lower Upper

252 100

253 31.6 17.4 26.2#

125 35.6 7.4 11.2#





#89

Benzo(k)fluoranthene

Concen: 5.024 ng

RT: 15.168 min Scan# 2199

Delta R.T. -0.041 min

Lab File: BF128007.D

Acq: 29 Apr 2022 21:04

Instrument :

BNA_F

ClientSampleId :

MH-18S

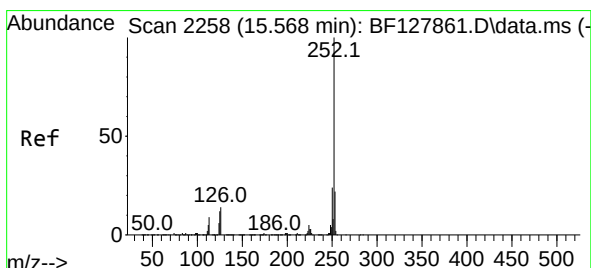
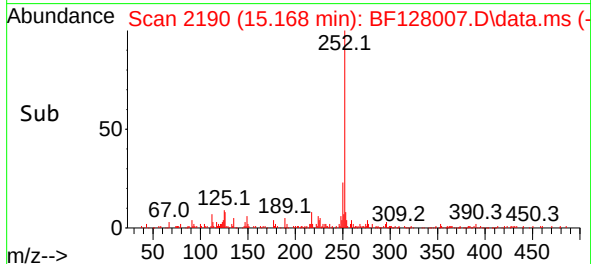
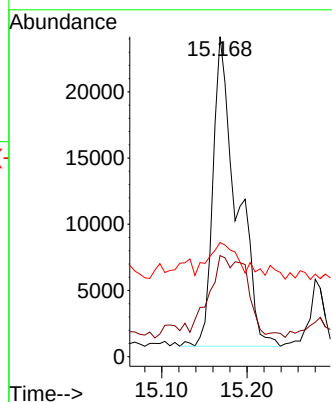
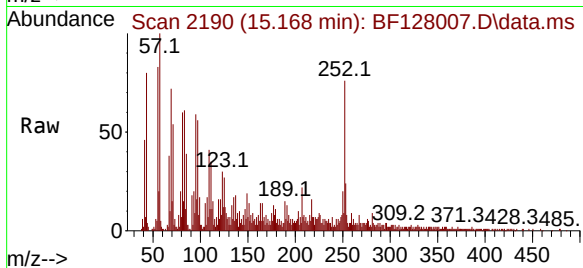
Tgt Ion:252 Resp: 45428

Ion Ratio Lower Upper

252 100

253 31.6 17.0 25.4#

125 35.6 6.8 10.2#



#90

Benzo(a)pyrene

Concen: 3.099 ng

RT: 15.551 min Scan# 2255

Delta R.T. -0.006 min

Lab File: BF128007.D

Acq: 29 Apr 2022 21:04

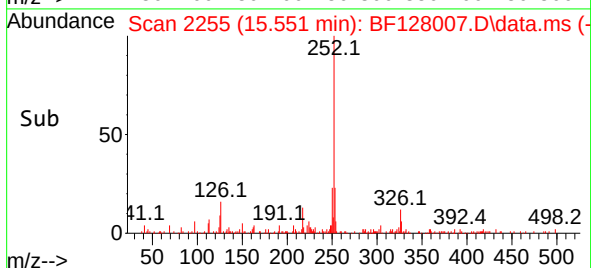
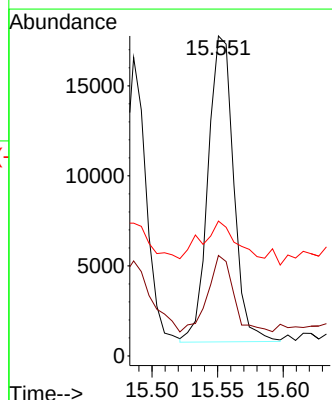
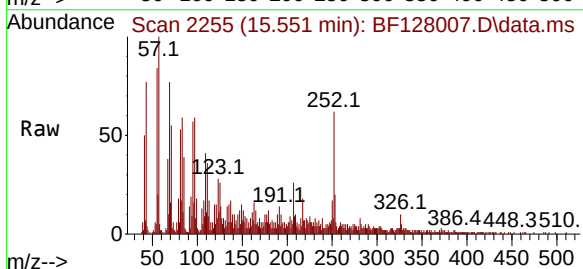
Tgt Ion:252 Resp: 23072

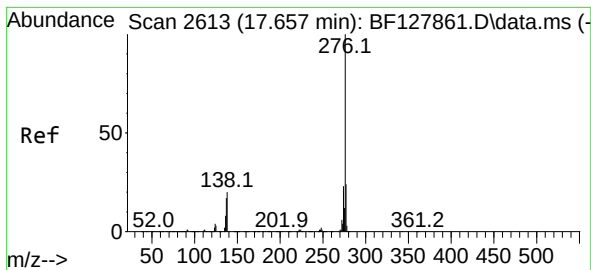
Ion Ratio Lower Upper

252 100

253 31.4 17.8 26.6#

125 42.1 9.2 13.8#





#92

Benzo(g,h,i)perylene

Concen: 2.207 ng

RT: 17.627 min Scan# 20

Delta R.T. -0.012 min

Lab File: BF128007.D

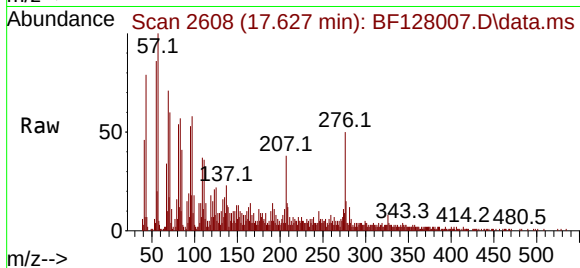
Acq: 29 Apr 2022 21:04

Instrument :

BNA_F

ClientSampleId :

MH-18S



Tgt Ion: 276 Resp: 17793

Ion Ratio Lower Upper

276 100

277 30.9 18.8 28.2#

138 26.2 16.2 24.2#

