

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF081622\
 Data File : BF129810.D
 Acq On : 16 Aug 2022 14:19
 Operator : CG\JU
 Sample : N3971-24
 Misc :
 ALS Vial : 11 Sample Multiplier: 2

Instrument :
 BNA_F
 ClientSampleId :
 COP-1R

Quant Time: Aug 17 02:32:07 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)

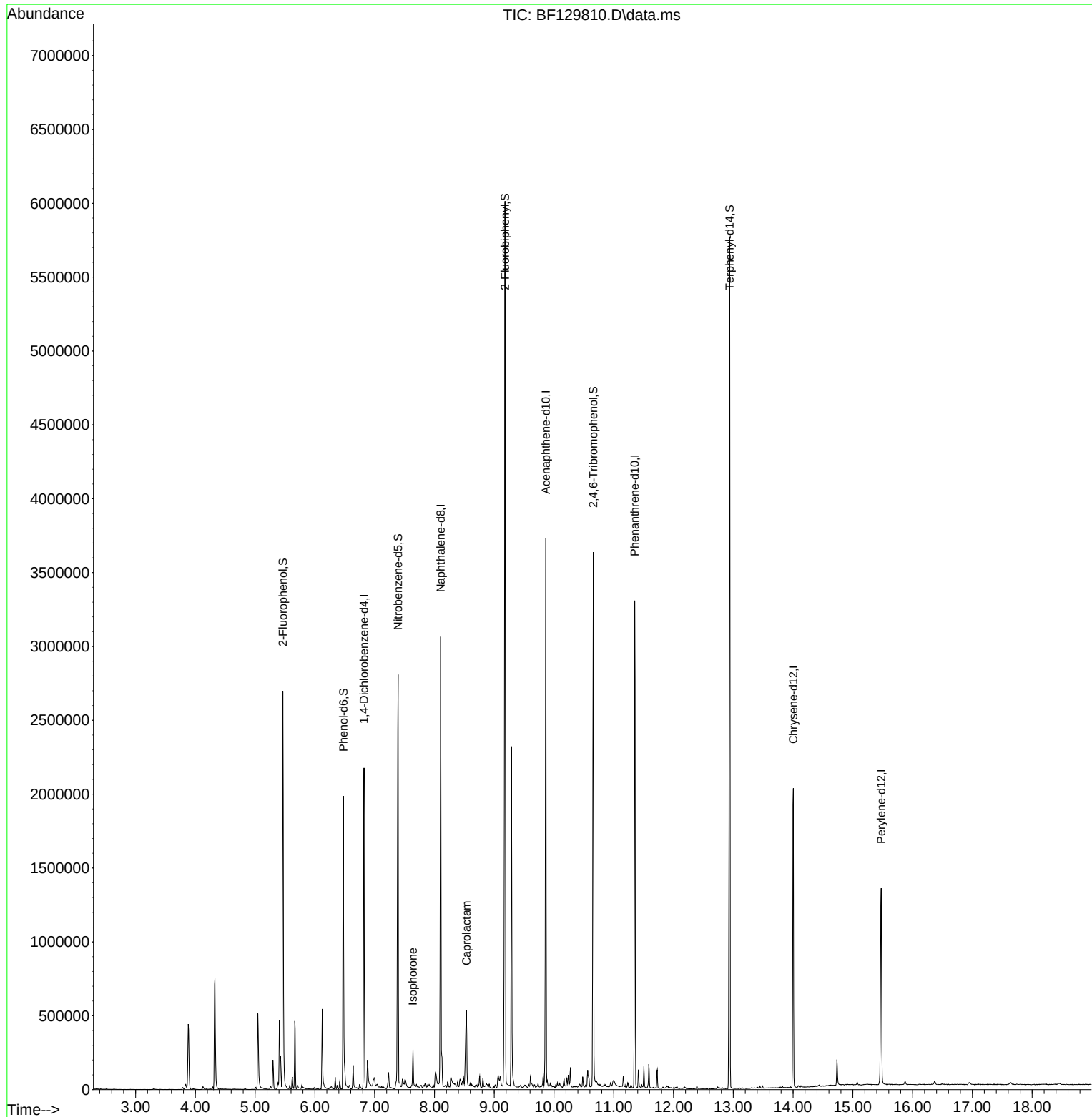
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.822	152	322598	40.000	ng	0.00
21) Naphthalene-d8	8.104	136	1301557	40.000	ng	0.00
39) Acenaphthene-d10	9.863	164	715779	40.000	ng	0.00
64) Phenanthrene-d10	11.351	188	1199986	40.000	ng	# 0.00
76) Chrysene-d12	14.004	240	698525	40.000	ng	0.00
86) Perylene-d12	15.474	264	607980	40.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.463	112	755555	77.556	ng	0.00
7) Phenol-d6	6.475	99	671746	55.062	ng	0.00
23) Nitrobenzene-d5	7.393	82	989112	81.363	ng	0.00
42) 2,4,6-Tribromophenol	10.657	330	405693	112.945	ng	0.00
45) 2-Fluorobiphenyl	9.181	172	1829517	77.641	ng	0.00
79) Terphenyl-d14	12.939	244	1964831	93.607	ng	0.00
Target Compounds						
						Qvalue
25) Isophorone	7.640	82	91278	4.362	ng	99
31) Naphthalene	8.128	128	72247	2.123	ng	99
35) Caprolactam	8.534	113	79525	27.046	ng	97
73) Carbazole	11.586	167	60595	2.003	ng	99

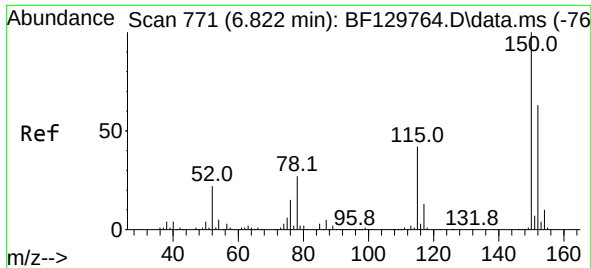
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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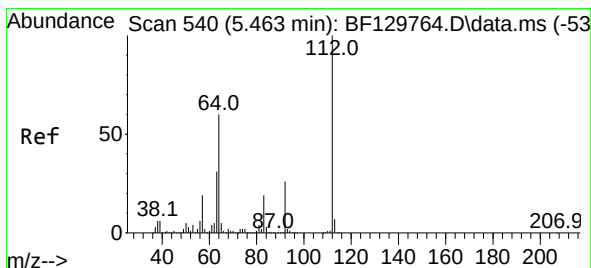
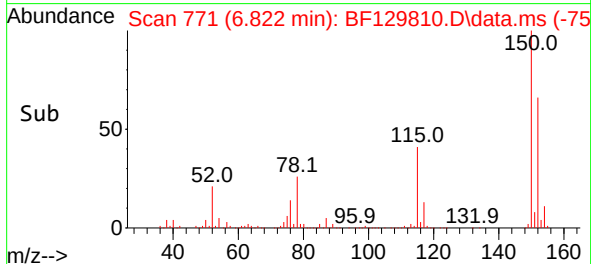
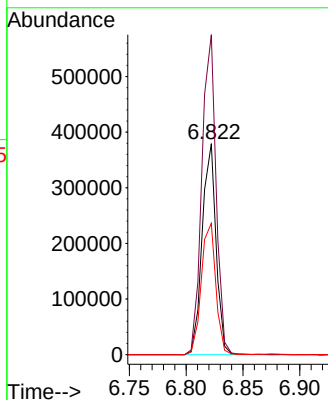
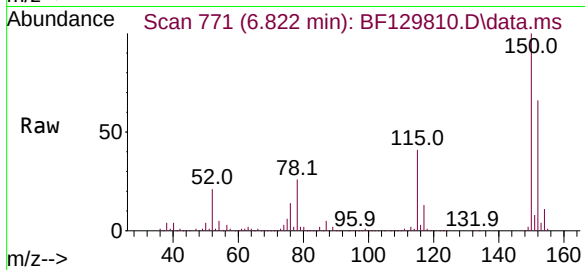




#1
1,4-Dichlorobenzene-d4
Concen: 40.000 ng
RT: 6.822 min Scan# 771
Delta R.T. 0.000 min
Lab File: BF129810.D
Acq: 16 Aug 2022 14:19

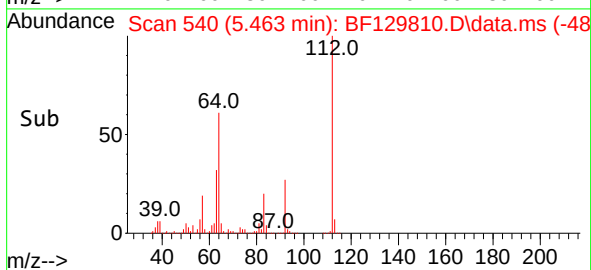
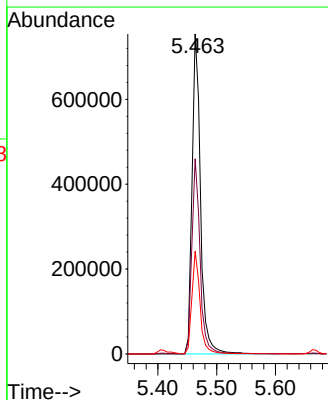
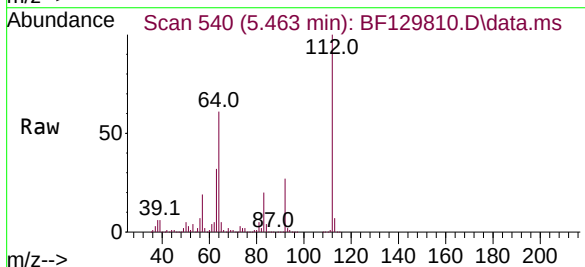
Instrument :
BNA_F
ClientSampleId :
COP-1R

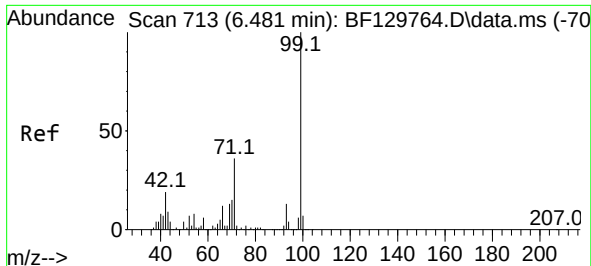
Tgt Ion:152 Resp: 322598
Ion Ratio Lower Upper
152 100
150 151.6 126.9 190.3
115 62.2 53.4 80.0



#5
2-Fluorophenol
Concen: 77.556 ng
RT: 5.463 min Scan# 540
Delta R.T. 0.000 min
Lab File: BF129810.D
Acq: 16 Aug 2022 14:19

Tgt Ion:112 Resp: 755555
Ion Ratio Lower Upper
112 100
64 61.0 47.6 71.4
63 32.1 24.6 37.0

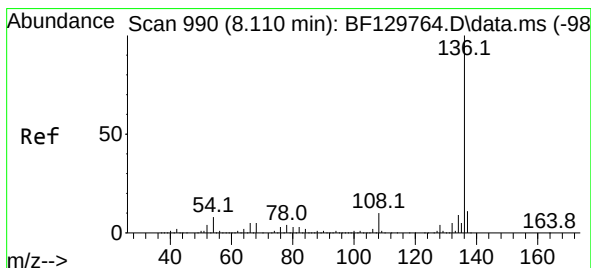
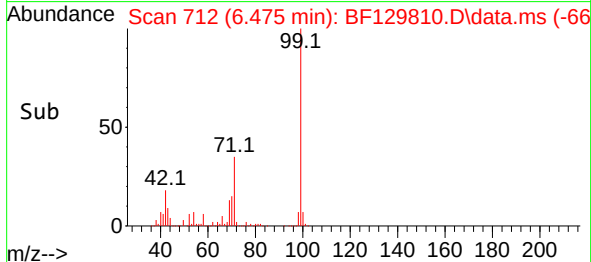
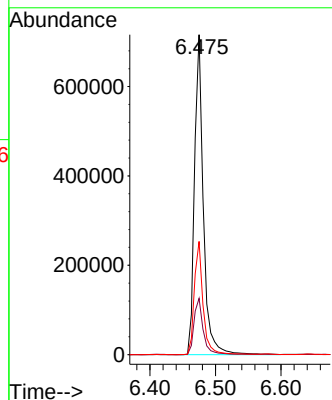
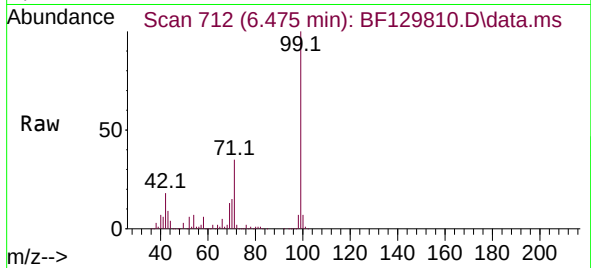




#7
Phenol-d6
Concen: 55.062 ng
RT: 6.475 min Scan# 713
Delta R.T. -0.006 min
Lab File: BF129810.D
Acq: 16 Aug 2022 14:19

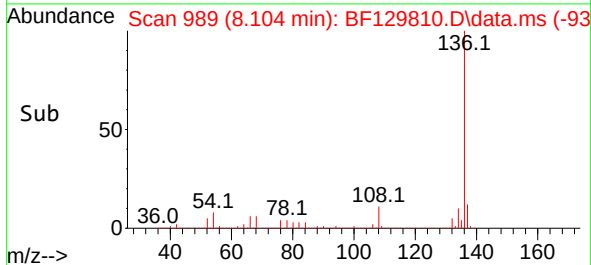
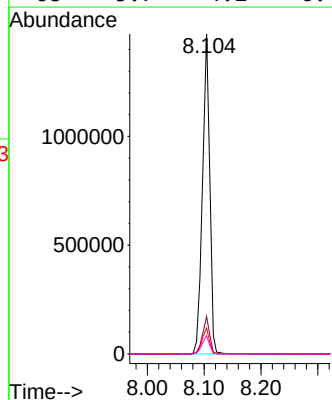
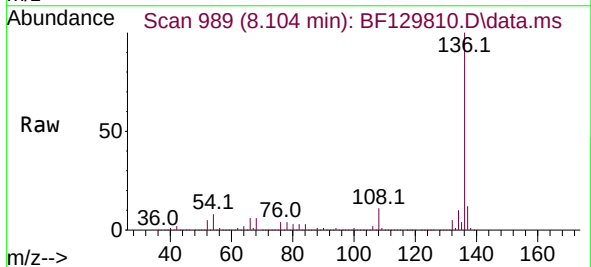
Instrument :
BNA_F
ClientSampleId :
COP-1R

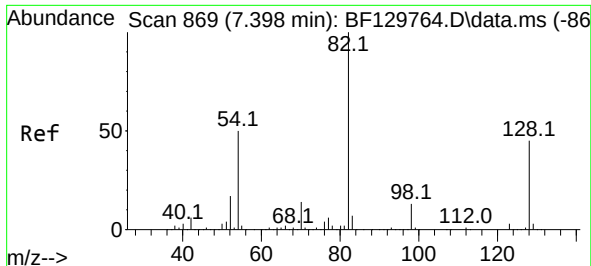
Tgt Ion: 99 Resp: 671746
Ion Ratio Lower Upper
99 100
42 17.6 15.0 22.4
71 35.4 28.8 43.2



#21
Naphthalene-d8
Concen: 40.000 ng
RT: 8.104 min Scan# 989
Delta R.T. -0.006 min
Lab File: BF129810.D
Acq: 16 Aug 2022 14:19

Tgt Ion: 136 Resp: 1301557
Ion Ratio Lower Upper
136 100
137 11.7 8.4 12.6
54 8.1 6.2 9.2
68 5.7 4.2 6.4

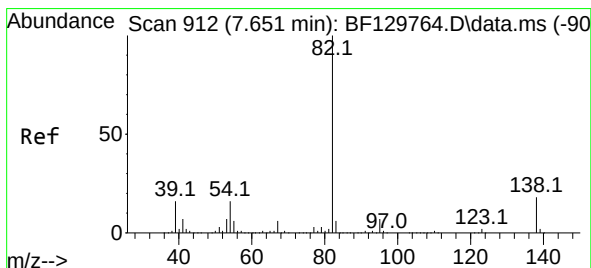
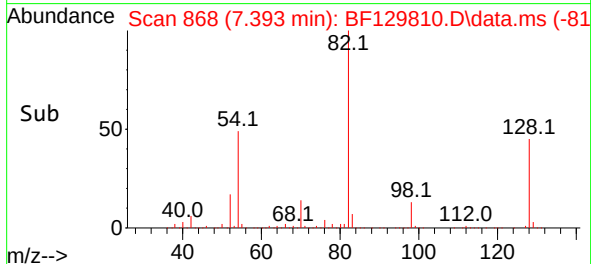
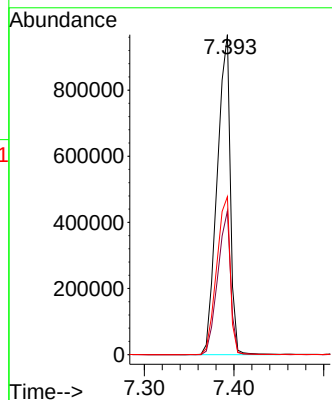
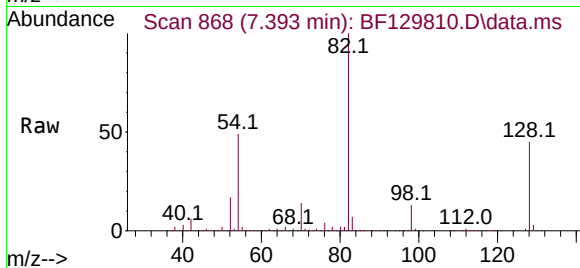




#23
Nitrobenzene-d5
Concen: 81.363 ng
RT: 7.393 min Scan# 80
Delta R.T. -0.006 min
Lab File: BF129810.D
Acq: 16 Aug 2022 14:19

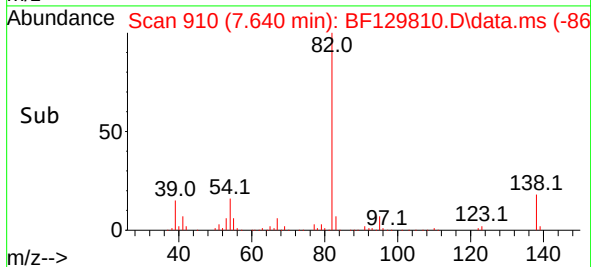
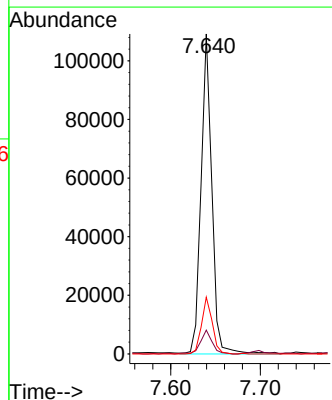
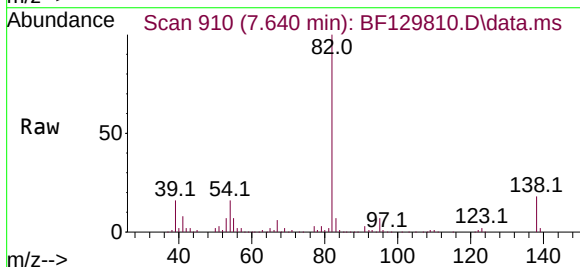
Instrument :
BNA_F
ClientSampleId :
COP-1R

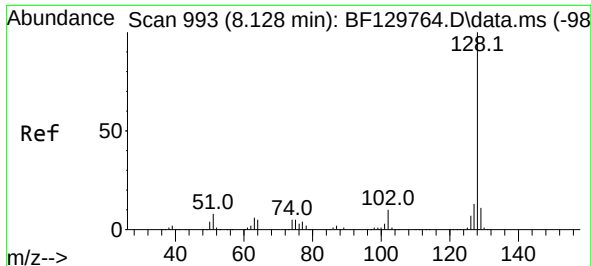
Tgt Ion: 82 Resp: 989112
Ion Ratio Lower Upper
82 100
128 44.9 36.1 54.1
54 49.3 40.0 60.0



#25
Isophorone
Concen: 4.362 ng
RT: 7.640 min Scan# 910
Delta R.T. -0.012 min
Lab File: BF129810.D
Acq: 16 Aug 2022 14:19

Tgt Ion: 82 Resp: 91278
Ion Ratio Lower Upper
82 100
95 7.4 5.9 8.9
138 17.7 14.6 21.8

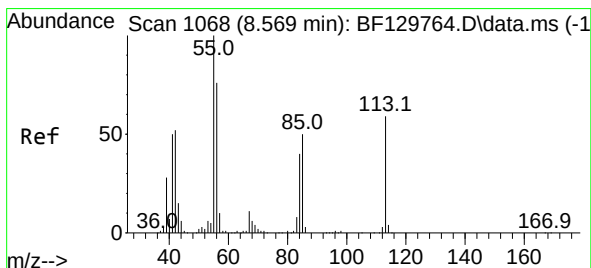
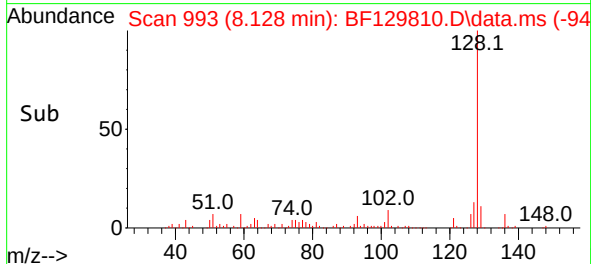
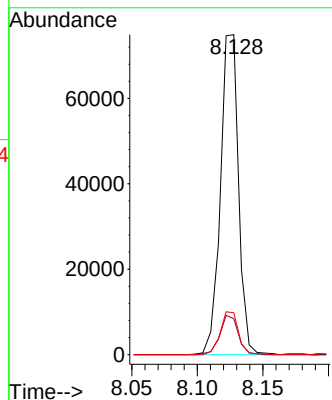
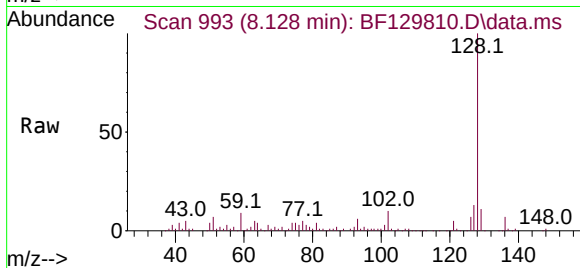




#31
Naphthalene
Concen: 2.123 ng
RT: 8.128 min Scan# 993
Delta R.T. 0.000 min
Lab File: BF129810.D
Acq: 16 Aug 2022 14:19

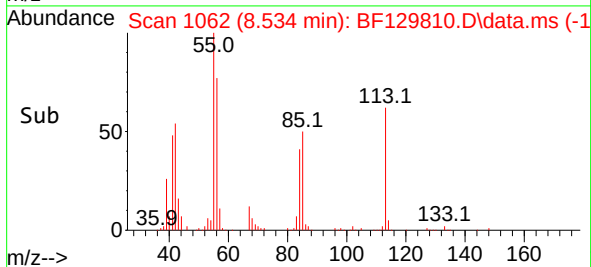
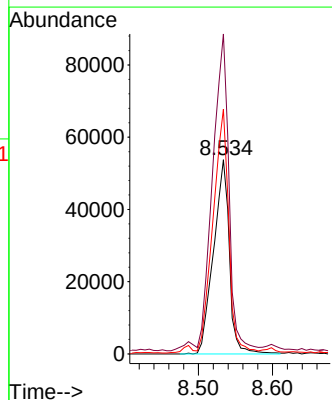
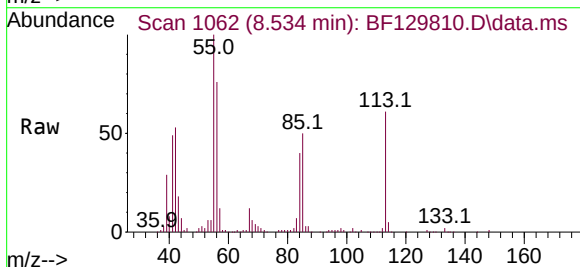
Instrument :
BNA_F
ClientSampleId :
COP-1R

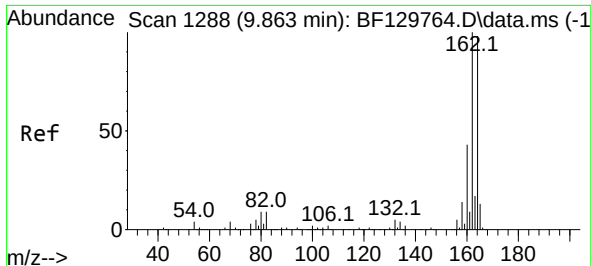
Tgt Ion:128 Resp: 72247
Ion Ratio Lower Upper
128 100
129 11.2 8.9 13.3
127 13.1 10.7 16.1



#35
Caprolactam
Concen: 27.046 ng
RT: 8.534 min Scan# 1062
Delta R.T. -0.035 min
Lab File: BF129810.D
Acq: 16 Aug 2022 14:19

Tgt Ion:113 Resp: 79525
Ion Ratio Lower Upper
113 100
55 164.7 148.8 188.8
56 126.0 109.1 149.1

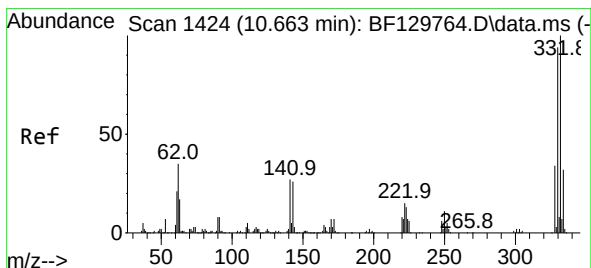
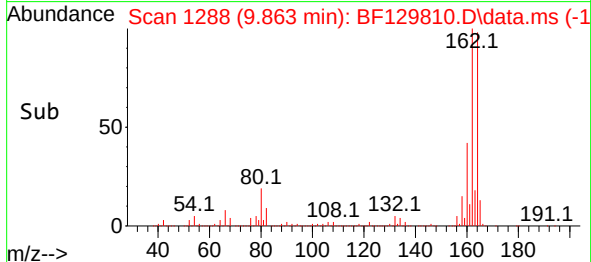
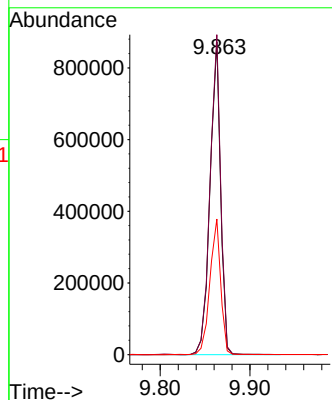
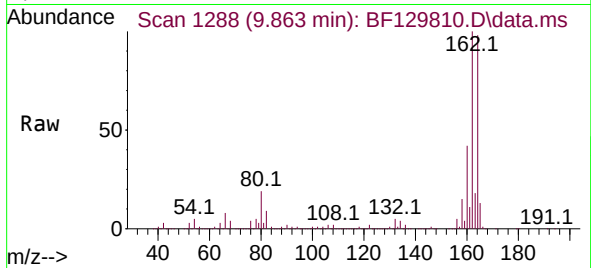




#39
Acenaphthene-d10
Concen: 40.000 ng
RT: 9.863 min Scan# 11
Delta R.T. -0.000 min
Lab File: BF129810.D
Acq: 16 Aug 2022 14:19

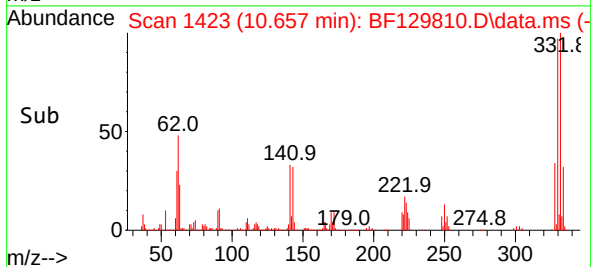
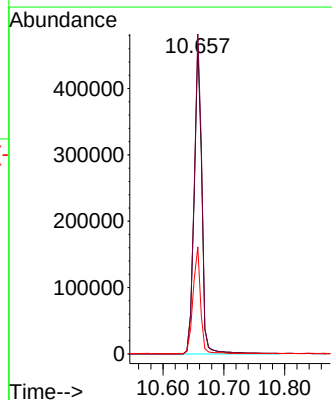
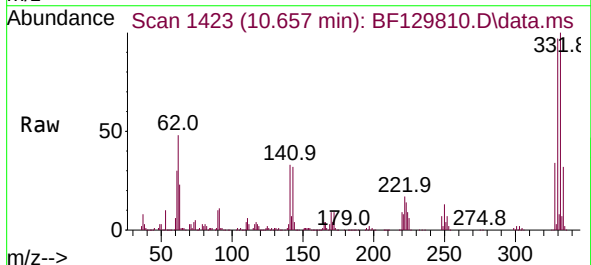
Instrument :
BNA_F
ClientSampleId :
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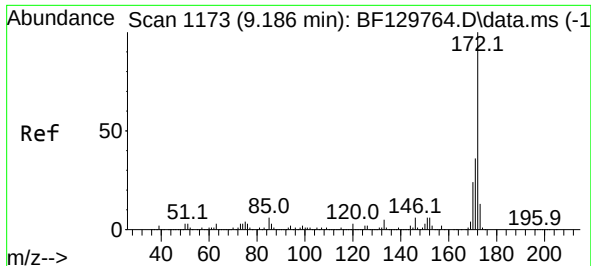
Tgt Ion:164 Resp: 715779
Ion Ratio Lower Upper
164 100
162 102.3 82.0 123.0
160 43.4 35.4 53.0



#42
2,4,6-Tribromophenol
Concen: 112.945 ng
RT: 10.657 min Scan# 1423
Delta R.T. -0.006 min
Lab File: BF129810.D
Acq: 16 Aug 2022 14:19

Tgt Ion:330 Resp: 405693
Ion Ratio Lower Upper
330 100
332 103.7 82.6 124.0
141 33.9 27.6 41.4





#45

2-Fluorobiphenyl

Concen: 77.641 ng

RT: 9.181 min Scan# 1173

Delta R.T. -0.006 min

Lab File: BF129810.D

Acq: 16 Aug 2022 14:19

Instrument :

BNA_F

ClientSampleId :

COP-1R

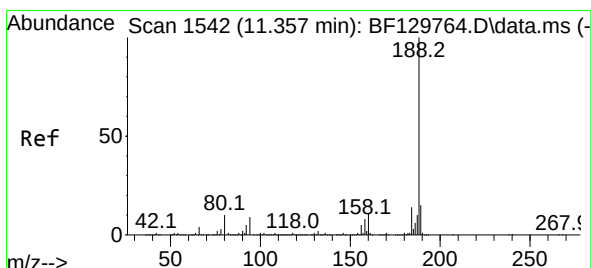
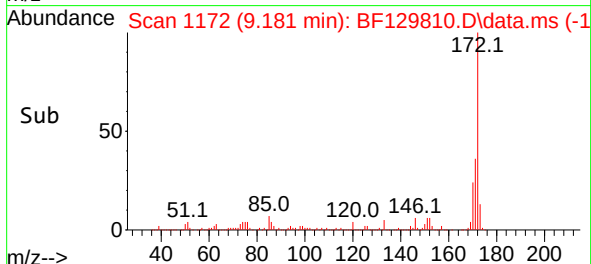
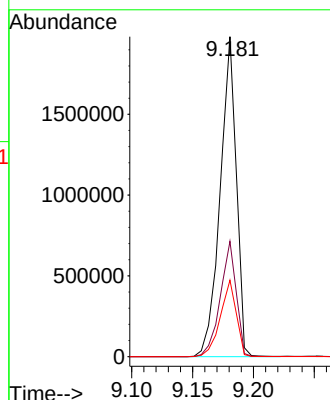
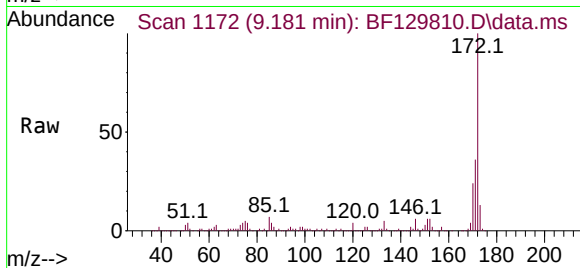
Tgt Ion:172 Resp: 1829517

Ion Ratio Lower Upper

172 100

171 36.0 28.4 42.6

170 23.9 19.1 28.7



#64

Phenanthrene-d10

Concen: 40.000 ng

RT: 11.351 min Scan# 1541

Delta R.T. -0.006 min

Lab File: BF129810.D

Acq: 16 Aug 2022 14:19

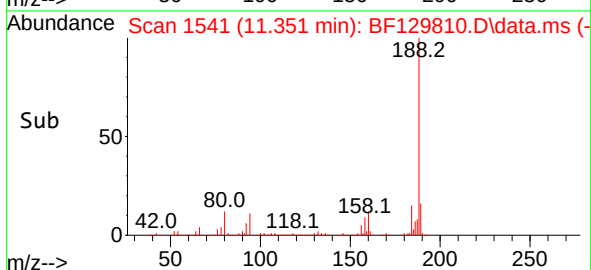
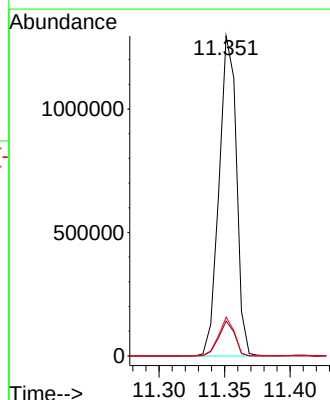
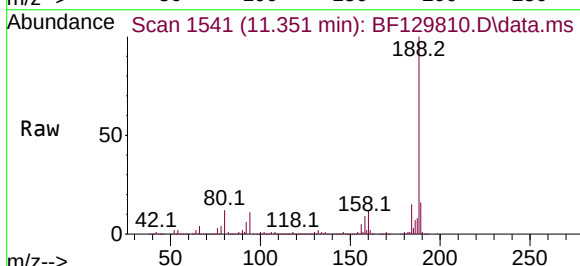
Tgt Ion:188 Resp: 1199986

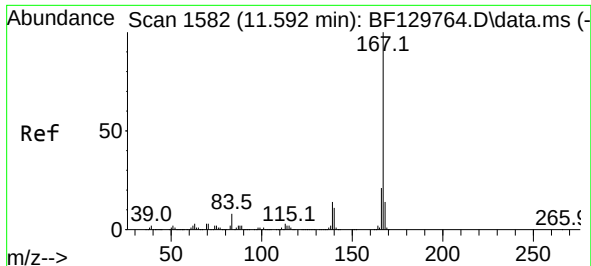
Ion Ratio Lower Upper

188 100

94 10.9 7.4 11.2

80 12.1 7.9 11.9

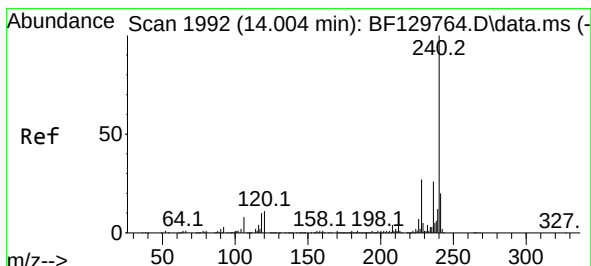
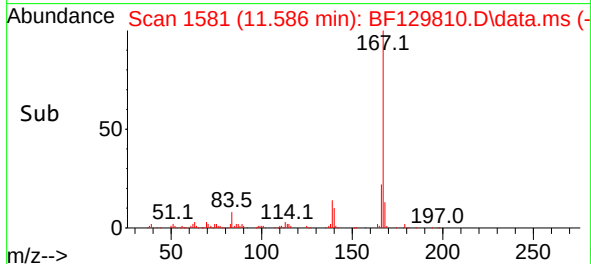
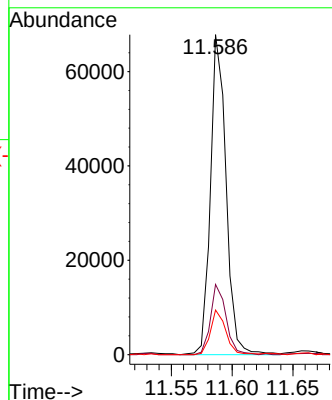
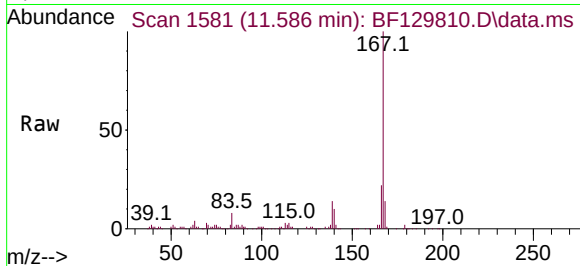




#73
 Carbazole
 Concen: 2.003 ng
 RT: 11.586 min Scan# 11
 Delta R.T. -0.006 min
 Lab File: BF129810.D
 Acq: 16 Aug 2022 14:19

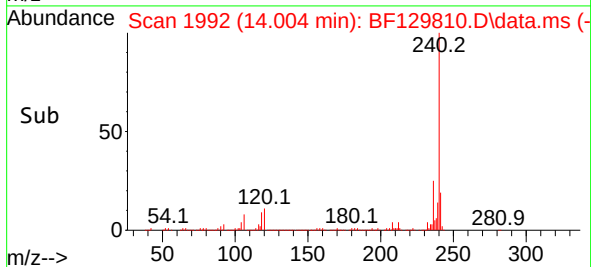
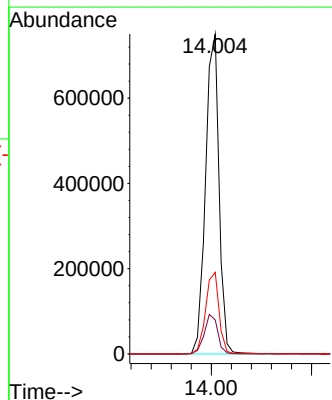
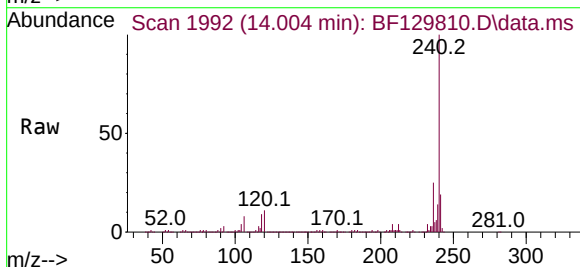
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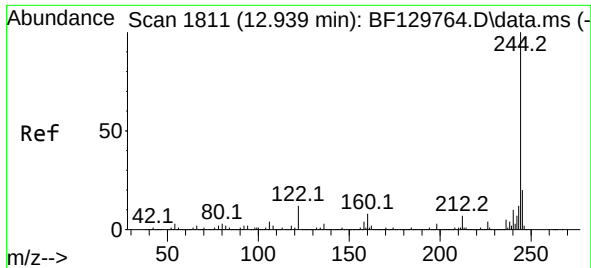
Tgt Ion	Ratio	Lower	Upper
167	100		
166	21.9	17.1	25.7
139	13.9	11.0	16.6



#76
 Chrysene-d12
 Concen: 40.000 ng
 RT: 14.004 min Scan# 1992
 Delta R.T. 0.000 min
 Lab File: BF129810.D
 Acq: 16 Aug 2022 14:19

Tgt Ion	Ratio	Lower	Upper
240	100		
120	10.6	9.2	13.8
236	25.5	20.7	31.1

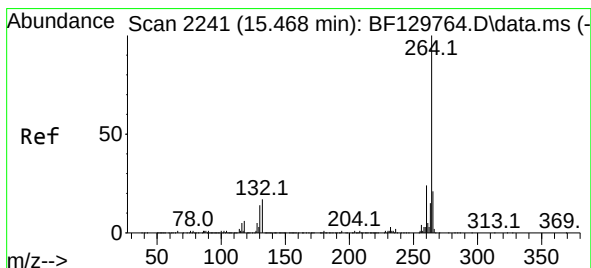
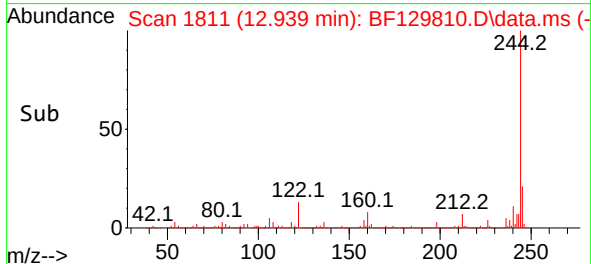
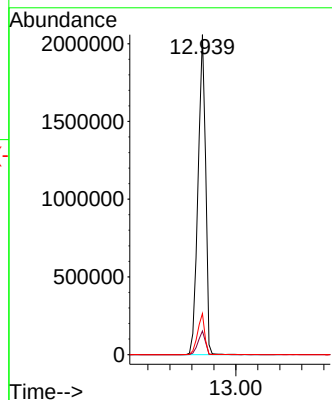
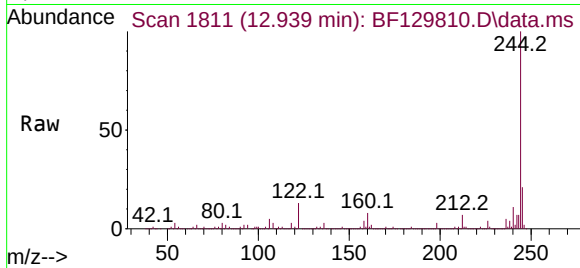




#79
 Terphenyl-d14
 Concen: 93.607 ng
 RT: 12.939 min Scan# 1811
 Delta R.T. 0.000 min
 Lab File: BF129810.D
 Acq: 16 Aug 2022 14:19

Instrument :
 BNA_F
 ClientSampleId :
 COP-1R

Tgt Ion:244 Resp: 1964831
 Ion Ratio Lower Upper
 244 100
 212 7.4 5.9 8.9
 122 12.8 9.9 14.9



#86
 Perylene-d12
 Concen: 40.000 ng
 RT: 15.474 min Scan# 2242
 Delta R.T. 0.006 min
 Lab File: BF129810.D
 Acq: 16 Aug 2022 14:19

Tgt Ion:264 Resp: 607980
 Ion Ratio Lower Upper
 264 100
 260 23.9 19.1 28.7
 265 21.5 16.7 25.1

