

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF080922\
 Data File : BF129673.D
 Acq On : 09 Aug 2022 18:53
 Operator : CG\JU
 Sample : N3963-13
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 RVE-218

Quant Time: Aug 10 05:33:02 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF072522.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Aug 05 16:27:34 2022
 Response via : Initial Calibration

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

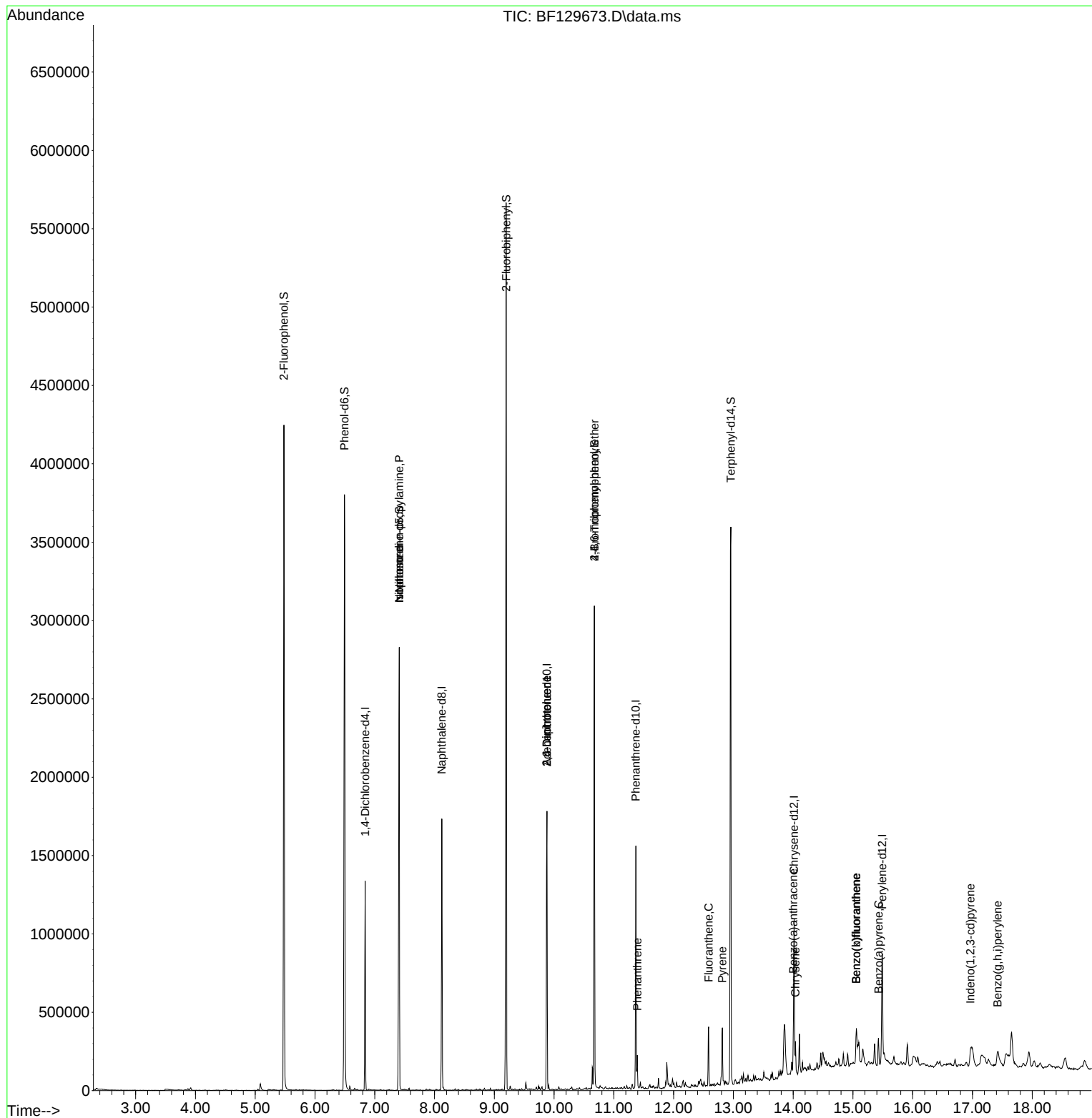
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.840	152	179730	20.000	ng	-0.01
21) Naphthalene-d8	8.122	136	698603	20.000	ng	-0.01
39) Acenaphthene-d10	9.880	164	340311	20.000	ng	-0.01
64) Phenanthrene-d10	11.369	188	486952	20.000	ng	-0.01
76) Chrysene-d12	14.016	240	295203	20.000	ng	-0.01
86) Perylene-d12	15.492	264	314224	20.000	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.481	112	1180965	107.038	ng	0.00
7) Phenol-d6	6.492	99	1491537	107.552	ng	-0.01
23) Nitrobenzene-d5	7.410	82	940398	73.482	ng	-0.01
42) 2,4,6-Tribromophenol	10.675	330	340673	104.123	ng	-0.01
45) 2-Fluorobiphenyl	9.198	172	1660044	75.460	ng	-0.01
79) Terphenyl-d14	12.957	244	1229834	78.596	ng	-0.01
Target Compounds						Qvalue
19) n-Nitroso-di-n-propyla...	7.410	70	126719	15.094	ng	# 71
25) Isophorone	7.410	82	935967	40.801	ng	# 65
51) 2,6-Dinitrotoluene	9.880	165	44932	8.545	ng	# 26
57) 2,4-Dinitrotoluene	9.880	165	44932	6.541	ng	# 21
67) 4-Bromophenyl-phenylether	10.675	248	21959	4.118	ng	# 1
71) Phenanthrene	11.392	178	68482	2.576	ng	97
75) Fluoranthene	12.586	202	145396	5.398	ng	99
78) Pyrene	12.816	202	143026	5.794	ng	98
81) Benzo(a)anthracene	14.004	228	71461	3.544	ng	97
83) Chrysene	14.039	228	70093	3.688	ng	98
87) Indeno(1,2,3-cd)pyrene	16.968	276	56265	2.659	ng	96
88) Benzo(b)fluoranthene	15.057	252	152833	7.332	ng	# 97
89) Benzo(k)fluoranthene	15.057	252	152833	7.482	ng	# 97
90) Benzo(a)pyrene	15.427	252	79300	4.687	ng	98
92) Benzo(g,h,i)perylene	17.421	276	53536	3.042	ng	99

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

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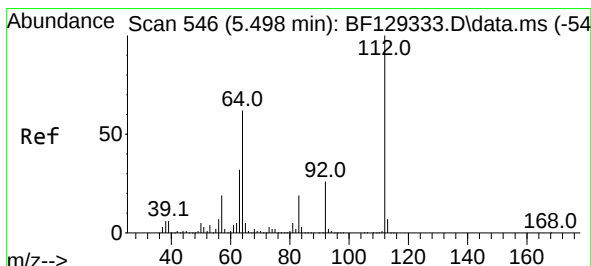
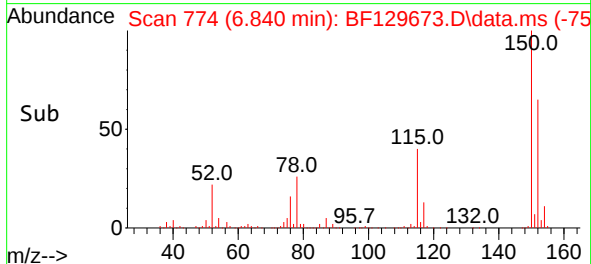
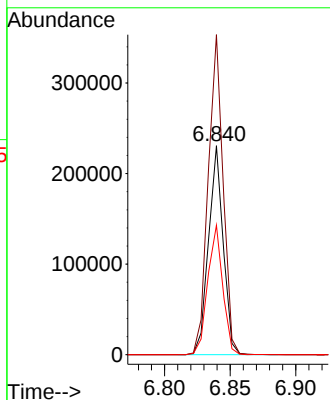
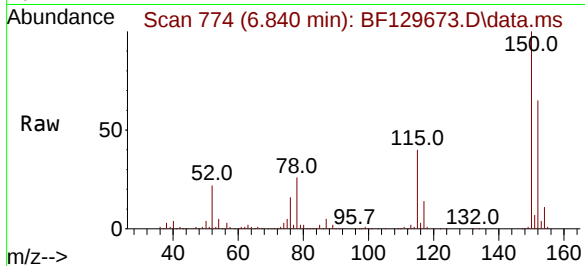




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.840 min Scan# 71
 Delta R.T. -0.011 min
 Lab File: BF129673.D
 Acq: 09 Aug 2022 18:53

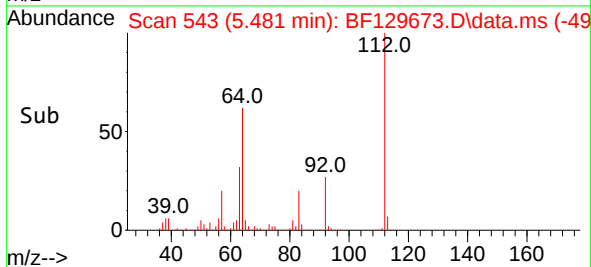
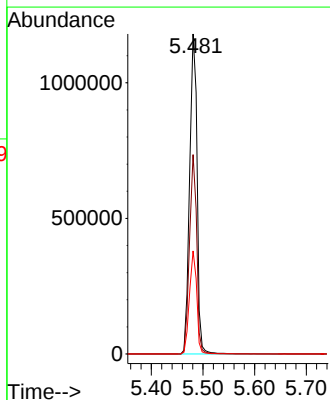
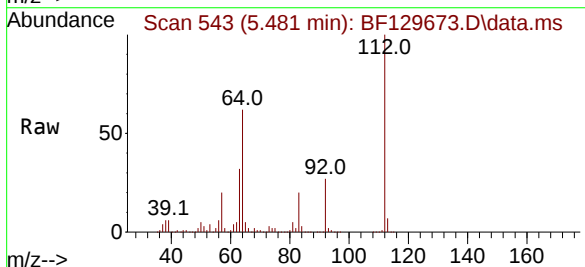
Instrument :
 BNA_F
 ClientSampleId :
 RVE-218

Tgt Ion:152 Resp: 179730
 Ion Ratio Lower Upper
 152 100
 150 153.1 123.7 185.5
 115 61.9 49.9 74.9



#5
 2-Fluorophenol
 Concen: 107.038 ng
 RT: 5.481 min Scan# 543
 Delta R.T. -0.000 min
 Lab File: BF129673.D
 Acq: 09 Aug 2022 18:53

Tgt Ion:112 Resp: 1180965
 Ion Ratio Lower Upper
 112 100
 64 62.3 53.3 79.9
 63 32.2 28.0 42.0



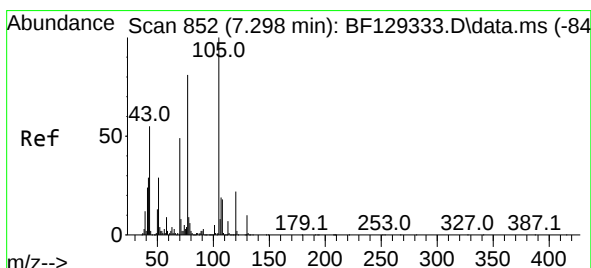
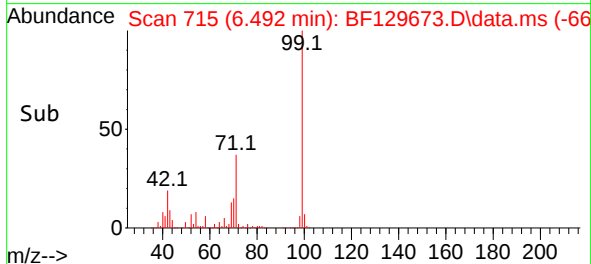
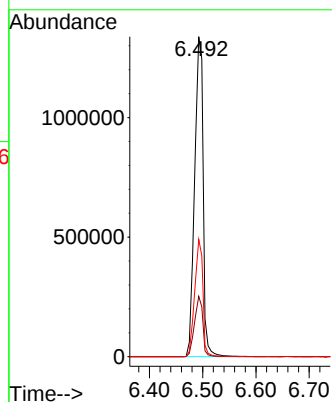
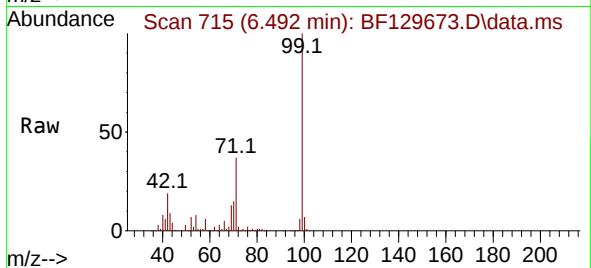


#7
Phenol-d6
Concen: 107.552 ng
RT: 6.492 min Scan# 715
Delta R.T. -0.012 min
Lab File: BF129673.D
Acq: 09 Aug 2022 18:53

Instrument :
BNA_F
ClientSampleId :
RVE-218

Tgt Ion: 99 Resp: 1491537

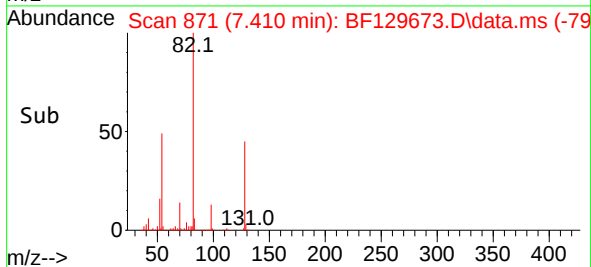
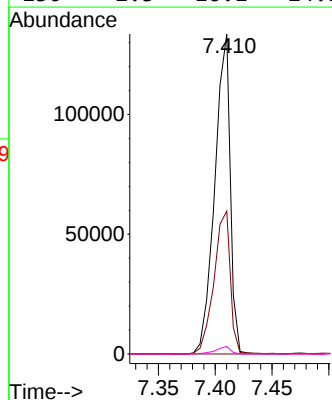
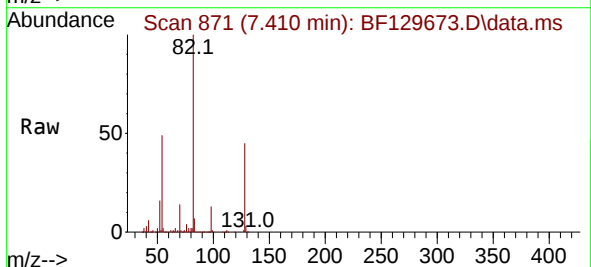
Ion	Ratio	Lower	Upper
99	100		
42	18.9	17.3	25.9
71	36.6	28.9	43.3



#19
n-Nitroso-di-n-propylamine
Concen: 15.094 ng
RT: 7.410 min Scan# 871
Delta R.T. 0.141 min
Lab File: BF129673.D
Acq: 09 Aug 2022 18:53

Tgt Ion: 70 Resp: 126719

Ion	Ratio	Lower	Upper
70	100		
42	44.6	52.3	78.5#
101	0.0	7.5	11.3#
130	2.3	16.1	24.1#



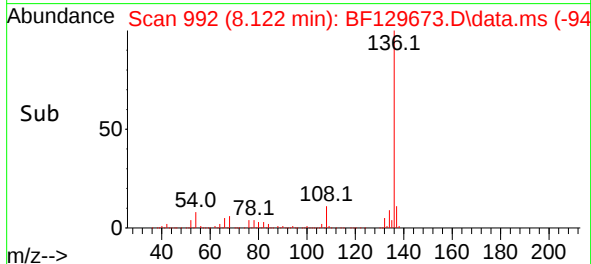
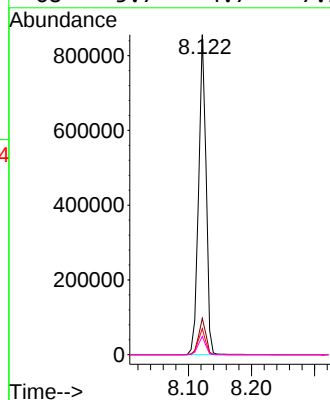
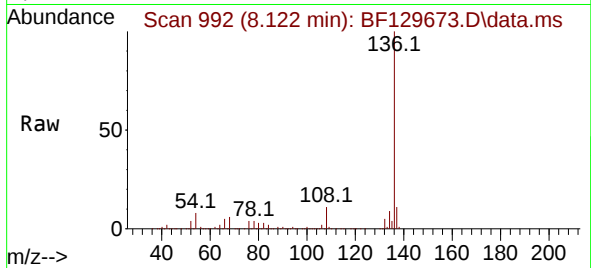


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.122 min Scan# 91
Delta R.T. -0.012 min
Lab File: BF129673.D
Acq: 09 Aug 2022 18:53

Instrument :
BNA_F
ClientSampleId :
RVE-218

Tgt Ion:136 Resp: 698603

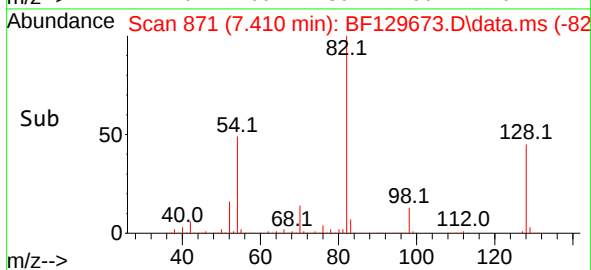
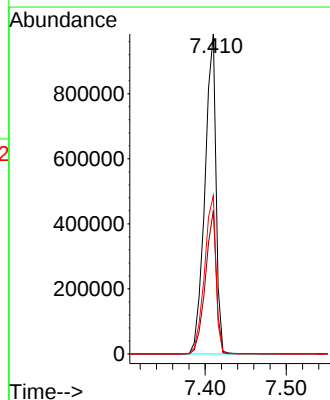
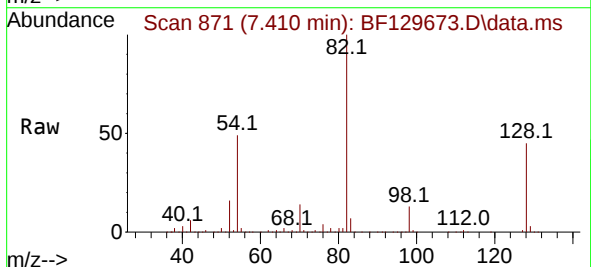
Ion	Ratio	Lower	Upper
136	100		
137	11.3	8.8	13.2
54	8.2	7.5	11.3
68	5.7	4.7	7.1



#23
Nitrobenzene-d5
Concen: 73.482 ng
RT: 7.410 min Scan# 871
Delta R.T. -0.012 min
Lab File: BF129673.D
Acq: 09 Aug 2022 18:53

Tgt Ion: 82 Resp: 940398

Ion	Ratio	Lower	Upper
82	100		
128	44.8	34.0	51.0
54	49.5	46.9	70.3

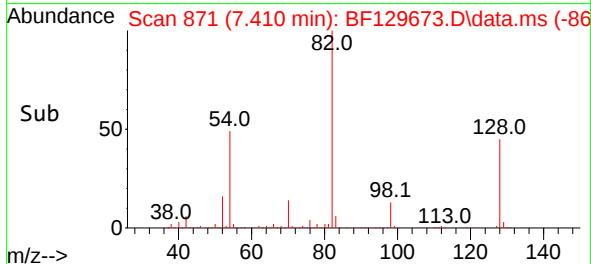
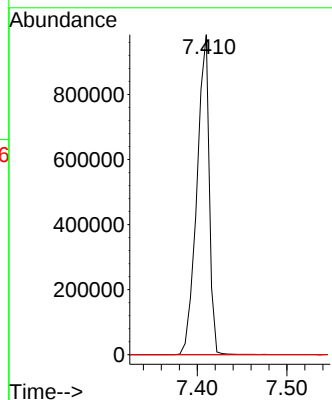
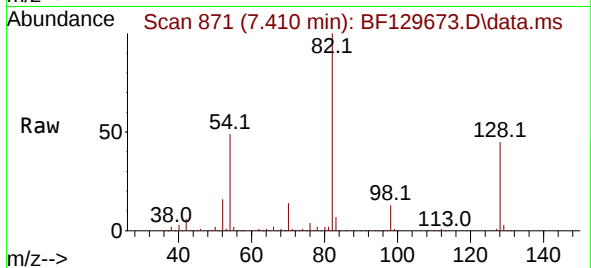




#25
Isophorone
Concen: 40.801 ng
RT: 7.410 min Scan# 81
Delta R.T. -0.271 min
Lab File: BF129673.D
Acq: 09 Aug 2022 18:53

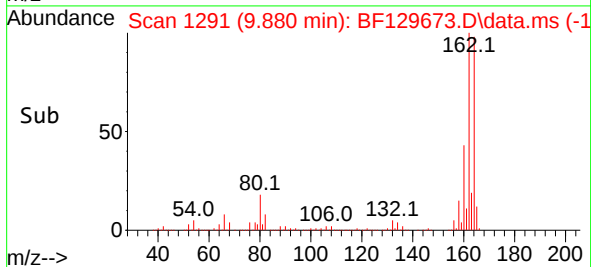
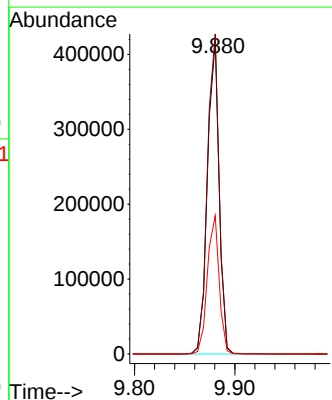
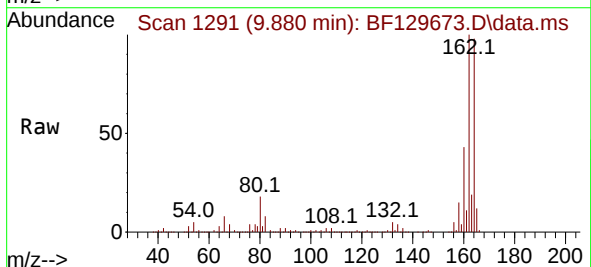
Instrument :
BNA_F
ClientSampleId :
RVE-218

Tgt Ion: 82 Resp: 935967
Ion Ratio Lower Upper
82 100
95 0.0 5.7 8.5#
138 0.0 14.2 21.2#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.880 min Scan# 1291
Delta R.T. -0.012 min
Lab File: BF129673.D
Acq: 09 Aug 2022 18:53

Tgt Ion:164 Resp: 340311
Ion Ratio Lower Upper
164 100
162 102.3 79.5 119.3
160 44.2 34.2 51.4

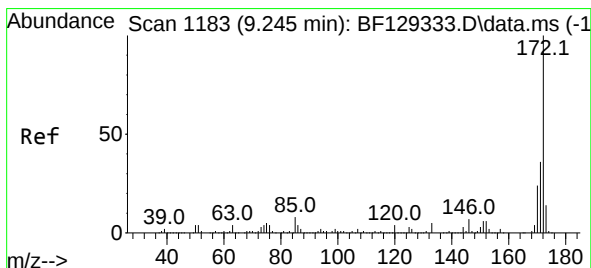
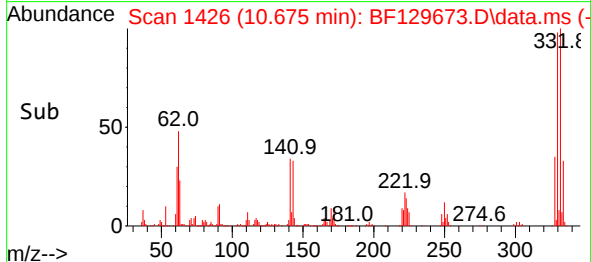
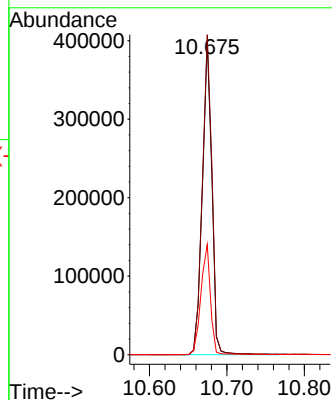
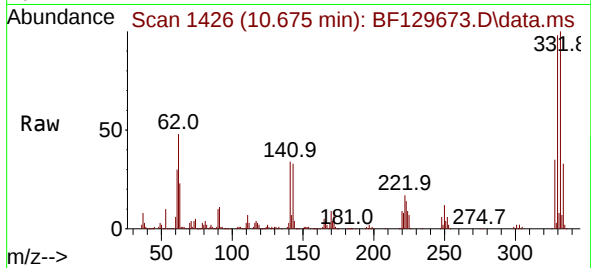




#42
2,4,6-Tribromophenol
Concen: 104.123 ng
RT: 10.675 min Scan# 1434
Delta R.T. -0.012 min
Lab File: BF129673.D
Acq: 09 Aug 2022 18:53

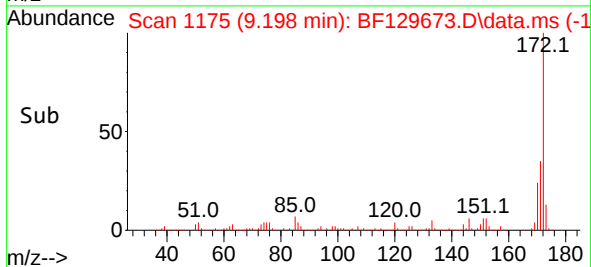
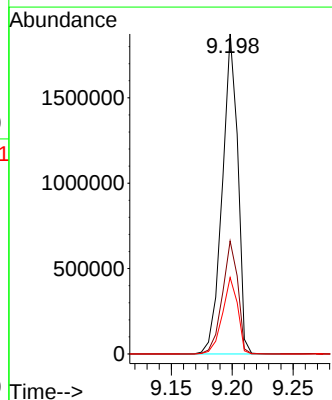
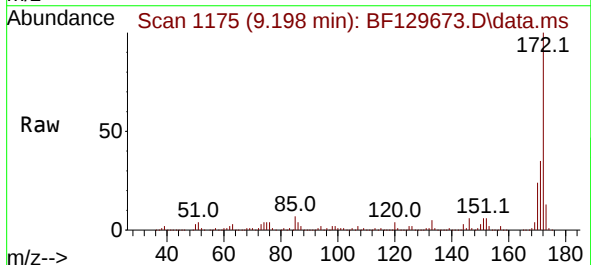
Instrument :
BNA_F
ClientSampleId :
RVE-218

Tgt Ion: 330 Resp: 340673
Ion Ratio Lower Upper
330 100
332 103.0 76.8 115.2
141 35.5 28.0 42.0



#45
2-Fluorobiphenyl
Concen: 75.460 ng
RT: 9.198 min Scan# 1175
Delta R.T. -0.012 min
Lab File: BF129673.D
Acq: 09 Aug 2022 18:53

Tgt Ion: 172 Resp: 1660044
Ion Ratio Lower Upper
172 100
171 35.3 28.8 43.2
170 23.9 19.8 29.8

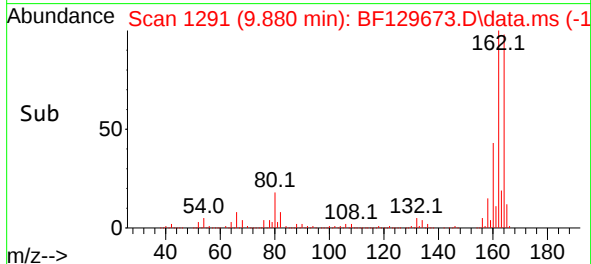
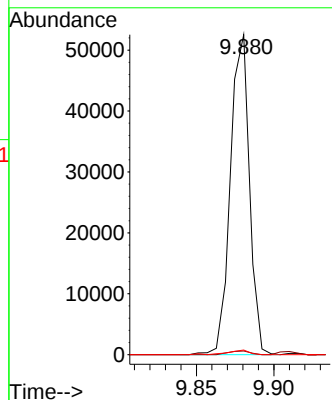
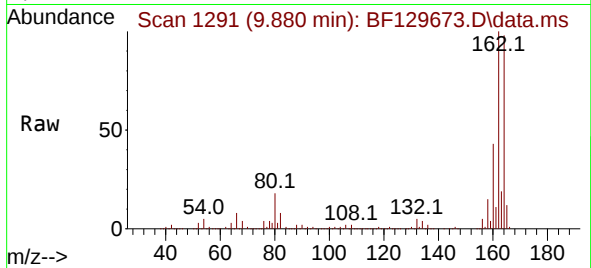




#51
2,6-Dinitrotoluene
Concen: 8.545 ng
RT: 9.880 min Scan# 1291
Delta R.T. 0.200 min
Lab File: BF129673.D
Acq: 09 Aug 2022 18:53

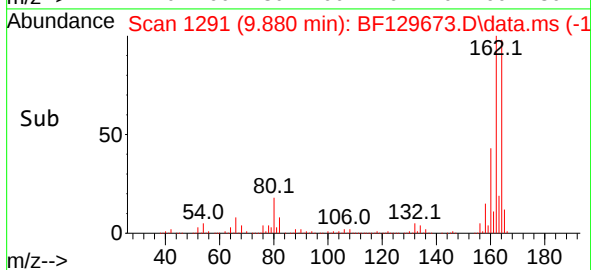
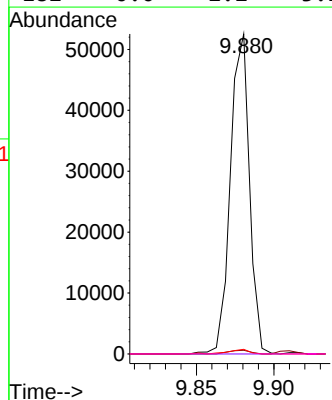
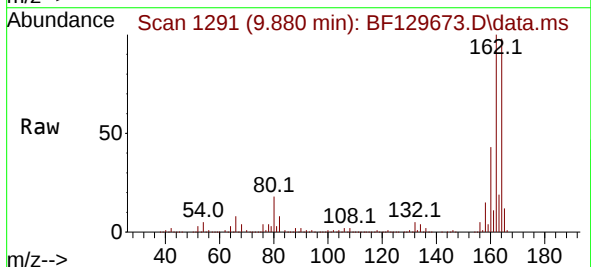
Instrument :
BNA_F
ClientSampleId :
RVE-218

Tgt Ion:165 Resp: 44932
Ion Ratio Lower Upper
165 100
63 1.2 44.9 67.3#
89 1.5 43.6 65.4#



#57
2,4-Dinitrotoluene
Concen: 6.541 ng
RT: 9.880 min Scan# 1291
Delta R.T. -0.206 min
Lab File: BF129673.D
Acq: 09 Aug 2022 18:53

Tgt Ion:165 Resp: 44932
Ion Ratio Lower Upper
165 100
63 1.2 39.8 59.6#
89 1.5 60.2 90.2#
182 0.0 2.2 3.2#

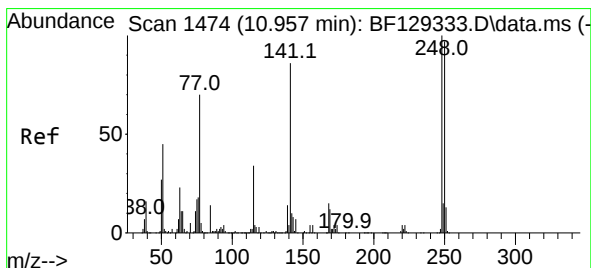
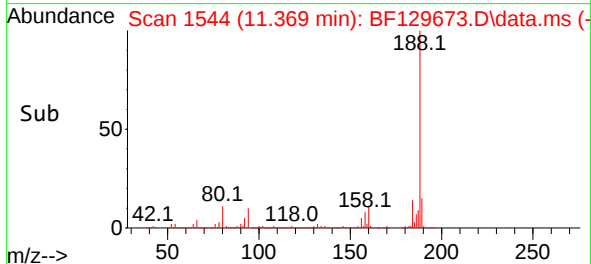
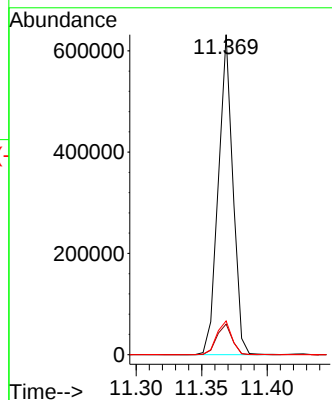
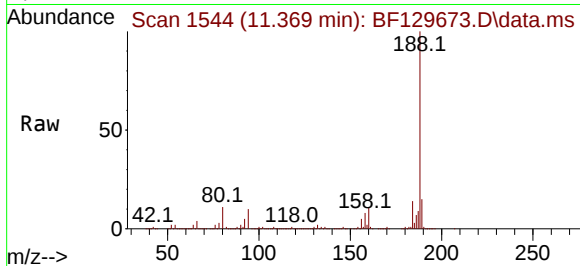




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.369 min Scan# 11
Delta R.T. -0.012 min
Lab File: BF129673.D
Acq: 09 Aug 2022 18:53

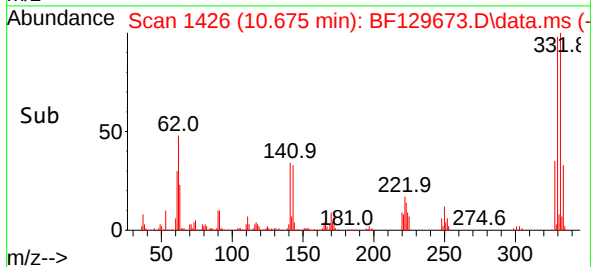
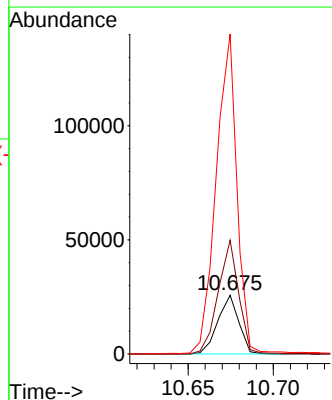
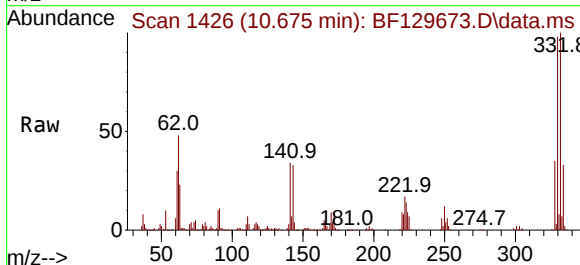
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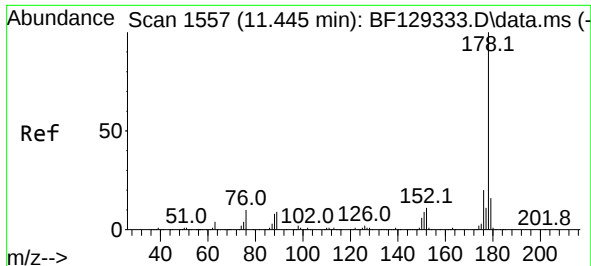
Tgt Ion:188 Resp: 486952
Ion Ratio Lower Upper
188 100
94 9.6 7.0 10.6
80 10.5 7.6 11.4



#67
4-Bromophenyl-phenylether
Concen: 4.118 ng
RT: 10.675 min Scan# 1426
Delta R.T. -0.247 min
Lab File: BF129673.D
Acq: 09 Aug 2022 18:53

Tgt Ion:248 Resp: 21959
Ion Ratio Lower Upper
248 100
250 193.8 80.6 120.8#
141 545.4 58.9 88.3#

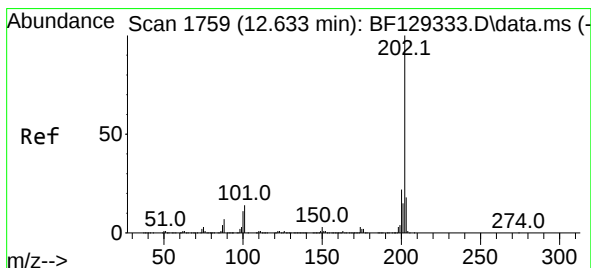
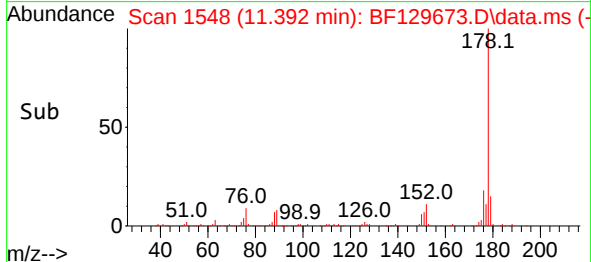
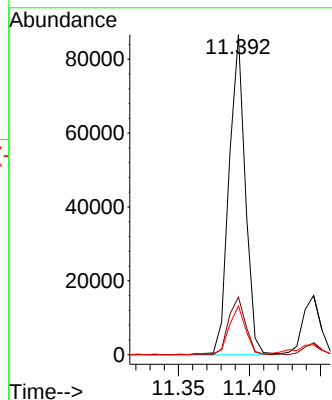
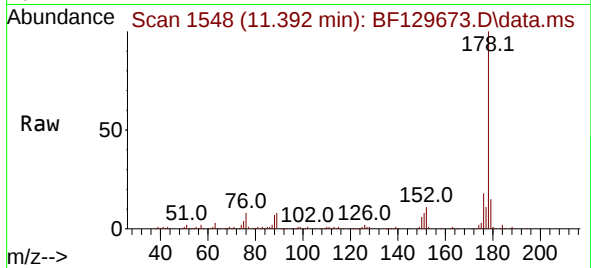




#71
Phenanthrene
Concen: 2.576 ng
RT: 11.392 min Scan# 11
Delta R.T. -0.018 min
Lab File: BF129673.D
Acq: 09 Aug 2022 18:53

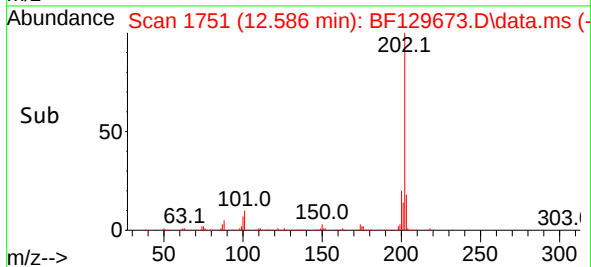
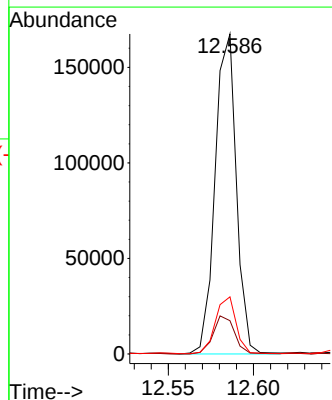
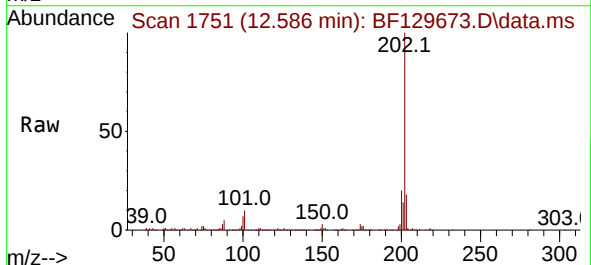
Instrument :
BNA_F
ClientSampleId :
RVE-218

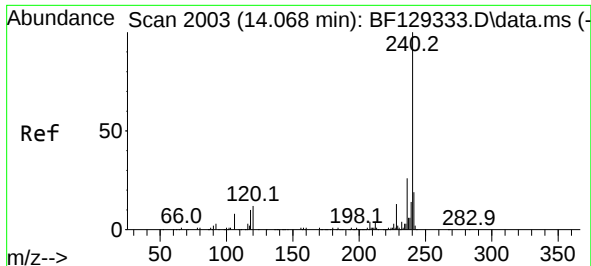
Tgt Ion:178 Resp: 68482
Ion Ratio Lower Upper
178 100
176 18.0 16.0 24.0
179 15.2 12.6 19.0



#75
Fluoranthene
Concen: 5.398 ng
RT: 12.586 min Scan# 1751
Delta R.T. -0.012 min
Lab File: BF129673.D
Acq: 09 Aug 2022 18:53

Tgt Ion:202 Resp: 145396
Ion Ratio Lower Upper
202 100
101 10.4 0.0 31.4
203 17.9 0.0 38.0

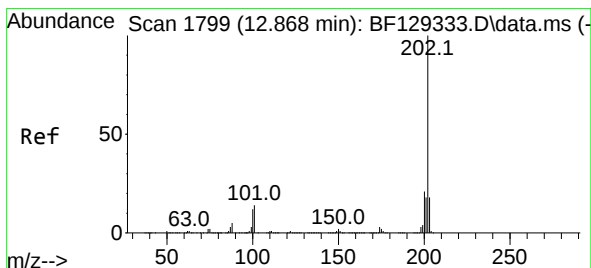
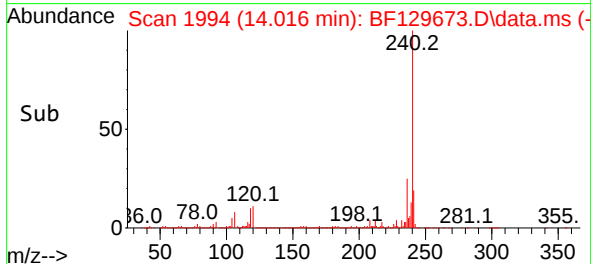
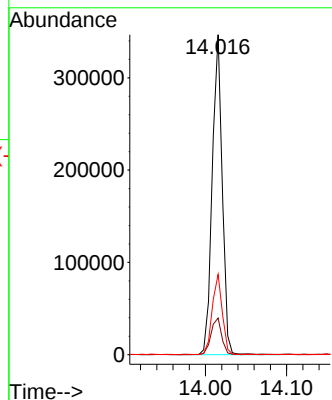
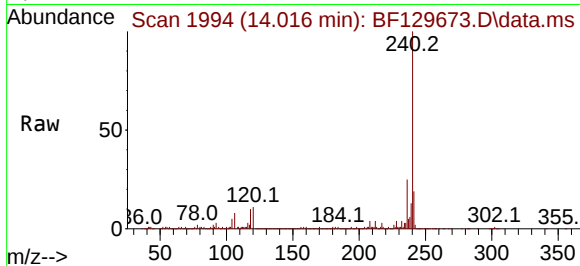




#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.016 min Scan# 1994
Delta R.T. -0.012 min
Lab File: BF129673.D
Acq: 09 Aug 2022 18:53

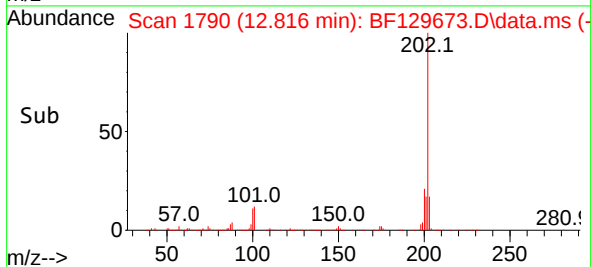
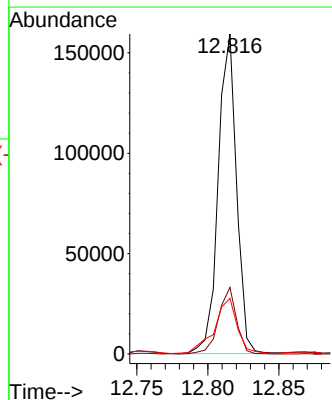
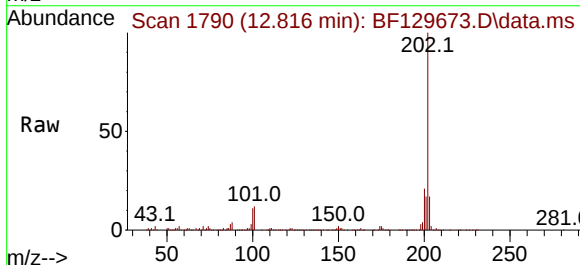
Instrument :
BNA_F
ClientSampleId :
RVE-218

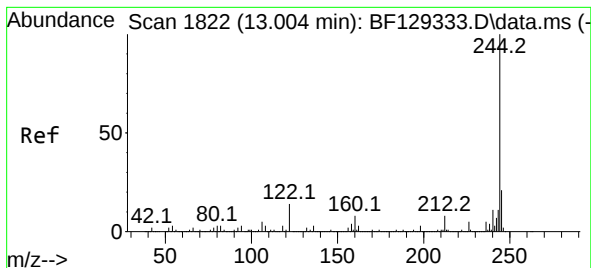
Tgt Ion:240 Resp: 295203
Ion Ratio Lower Upper
240 100
120 11.5 8.9 13.3
236 25.1 20.8 31.2



#78
Pyrene
Concen: 5.794 ng
RT: 12.816 min Scan# 1790
Delta R.T. -0.012 min
Lab File: BF129673.D
Acq: 09 Aug 2022 18:53

Tgt Ion:202 Resp: 143026
Ion Ratio Lower Upper
202 100
200 20.8 17.7 26.5
203 17.4 14.6 21.8





#79

Terphenyl-d14

Concen: 78.596 ng

RT: 12.957 min Scan# 1

Delta R.T. -0.012 min

Lab File: BF129673.D

Acq: 09 Aug 2022 18:53

Instrument :

BNA_F

ClientSampleId :

RVE-218

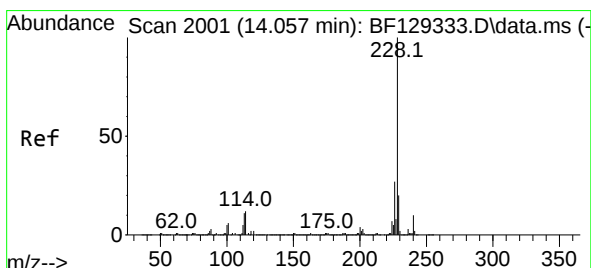
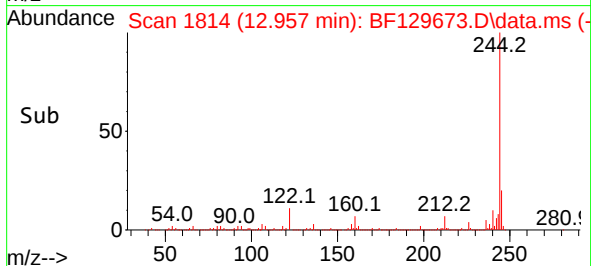
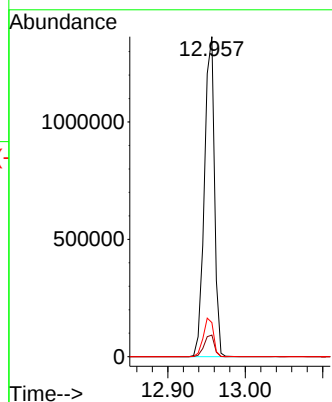
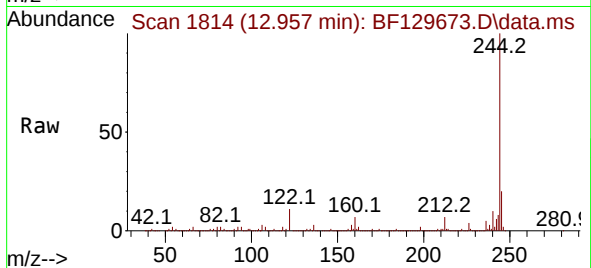
Tgt Ion:244 Resp: 1229834

Ion Ratio Lower Upper

244 100

212 6.7 6.1 9.1

122 10.6 8.8 13.2



#81

Benzo(a)anthracene

Concen: 3.544 ng

RT: 14.004 min Scan# 1992

Delta R.T. -0.012 min

Lab File: BF129673.D

Acq: 09 Aug 2022 18:53

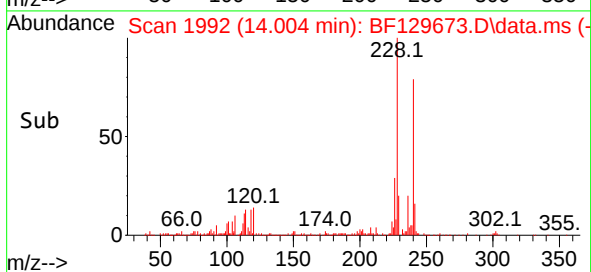
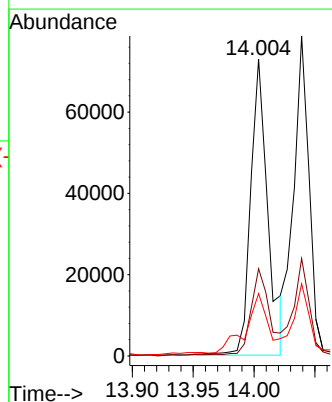
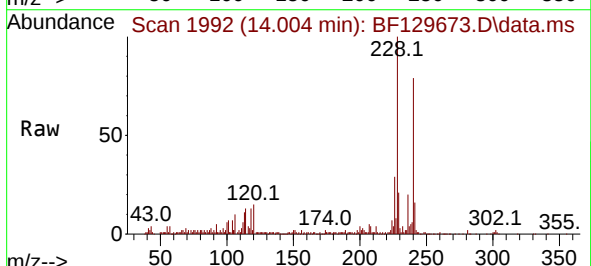
Tgt Ion:228 Resp: 71461

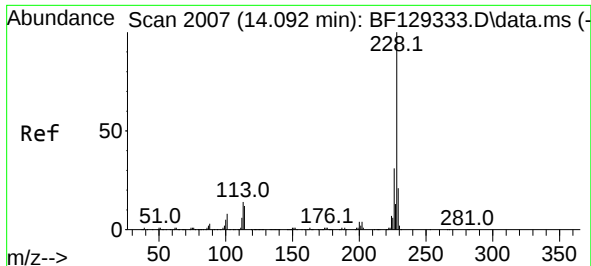
Ion Ratio Lower Upper

228 100

226 29.4 22.1 33.1

229 21.0 15.8 23.8

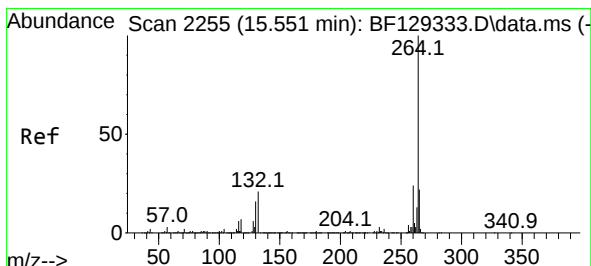
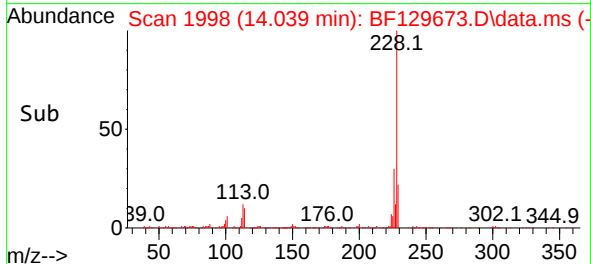
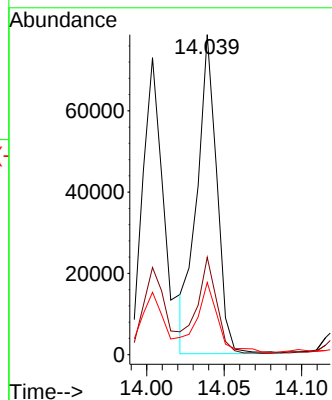
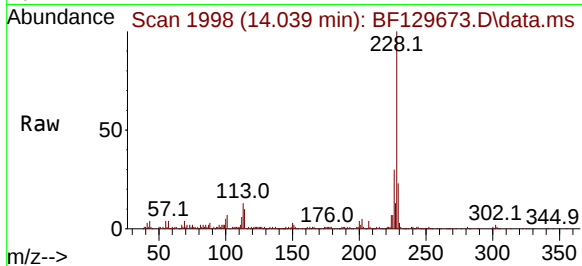




#83
Chrysene
Concen: 3.688 ng
RT: 14.039 min Scan# 1998
Delta R.T. -0.018 min
Lab File: BF129673.D
Acq: 09 Aug 2022 18:53

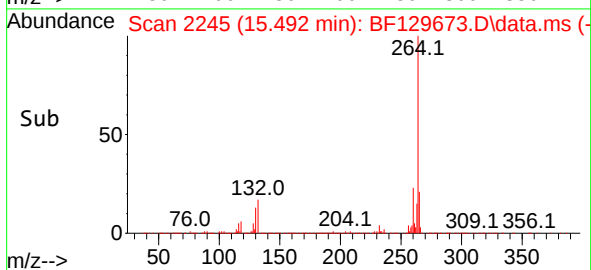
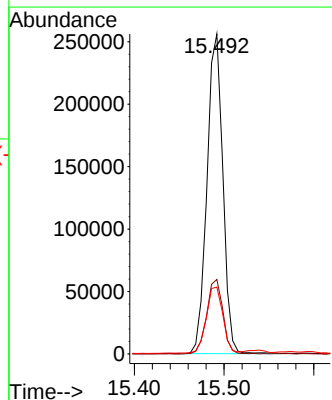
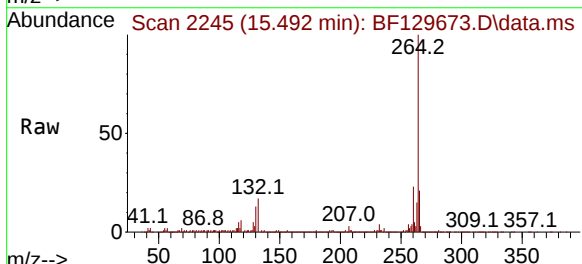
Instrument :
BNA_F
ClientSampleId :
RVE-218

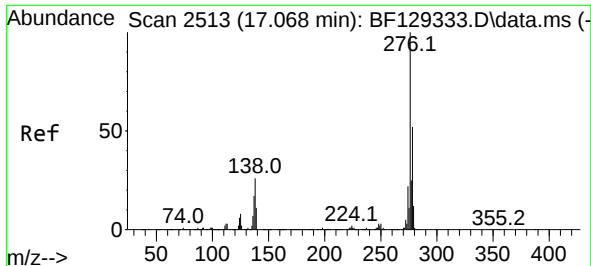
Tgt Ion:228 Resp: 70093
Ion Ratio Lower Upper
228 100
226 30.5 24.3 36.5
229 22.6 15.9 23.9



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.492 min Scan# 2245
Delta R.T. -0.012 min
Lab File: BF129673.D
Acq: 09 Aug 2022 18:53

Tgt Ion:264 Resp: 314224
Ion Ratio Lower Upper
264 100
260 23.3 18.4 27.6
265 20.9 17.2 25.8

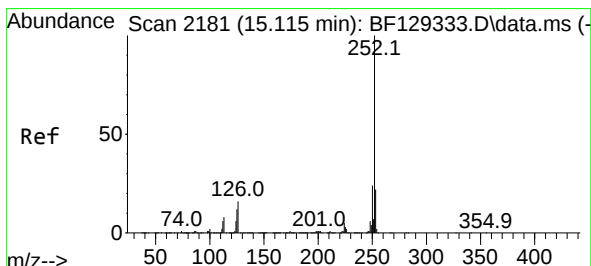
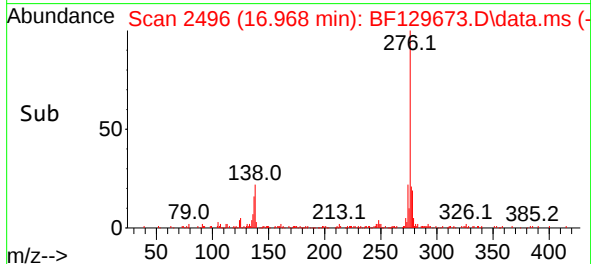
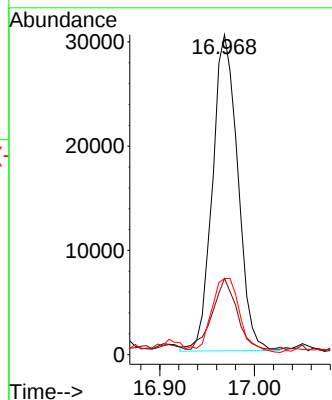
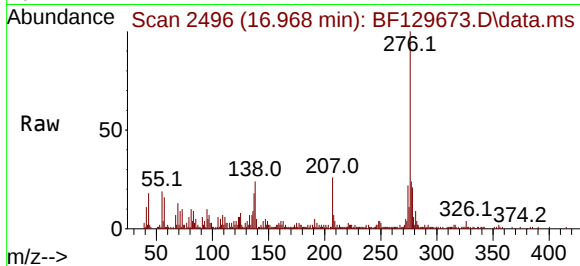




#87
 Indeno(1,2,3-cd)pyrene
 Concen: 2.659 ng
 RT: 16.968 min Scan# 2496
 Delta R.T. -0.029 min
 Lab File: BF129673.D
 Acq: 09 Aug 2022 18:53

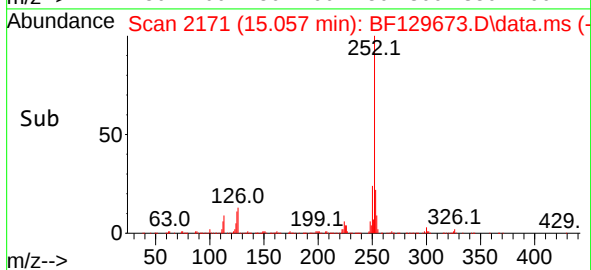
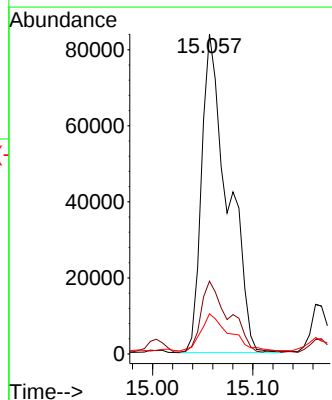
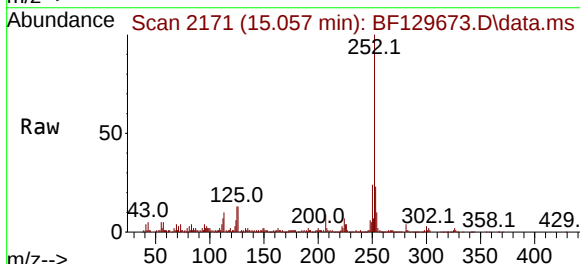
Instrument :
 BNA_F
 ClientSampleId :
 RVE-218

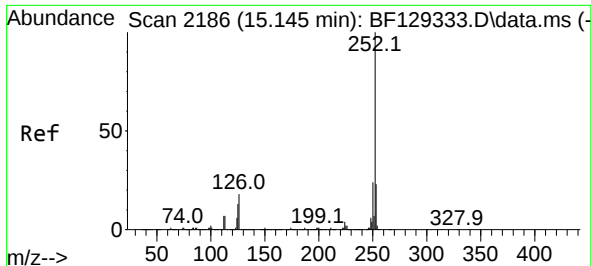
Tgt Ion:276 Resp: 56265
 Ion Ratio Lower Upper
 276 100
 138 22.7 21.1 31.7
 277 25.8 20.3 30.5



#88
 Benzo(b)fluoranthene
 Concen: 7.332 ng
 RT: 15.057 min Scan# 2171
 Delta R.T. -0.012 min
 Lab File: BF129673.D
 Acq: 09 Aug 2022 18:53

Tgt Ion:252 Resp: 152833
 Ion Ratio Lower Upper
 252 100
 253 22.8 17.7 26.5
 125 12.6 8.0 12.0#

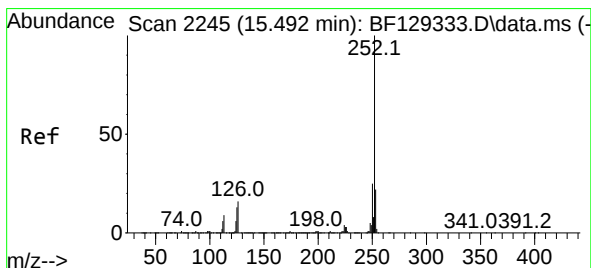
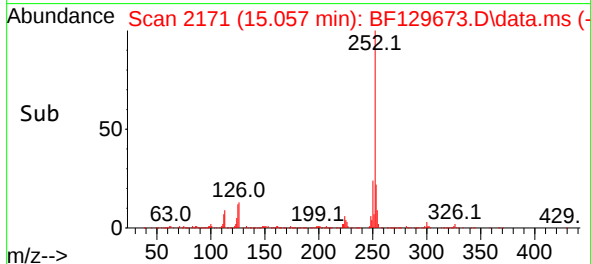
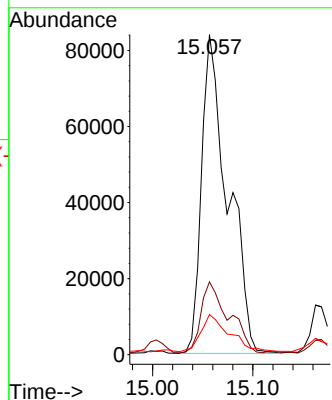
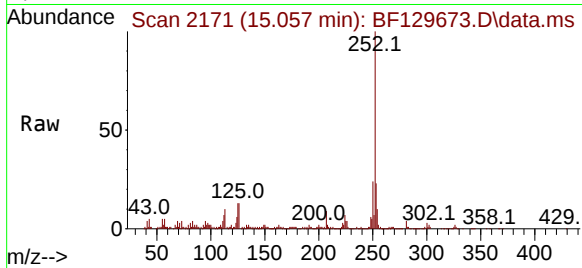




#89
Benzo(k)fluoranthene
Concen: 7.482 ng
RT: 15.057 min Scan# 2186
Delta R.T. -0.047 min
Lab File: BF129673.D
Acq: 09 Aug 2022 18:53

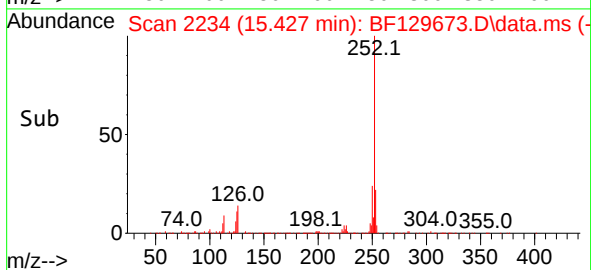
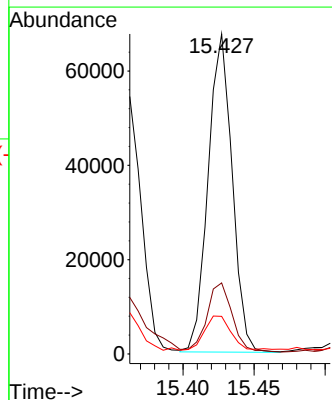
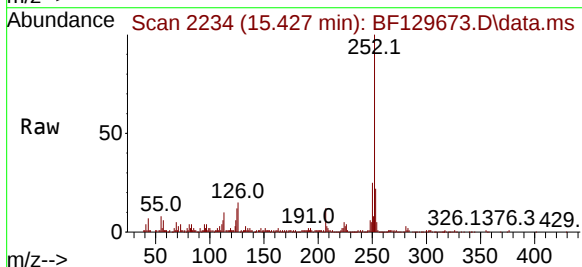
Instrument :
BNA_F
ClientSampleId :
RVE-218

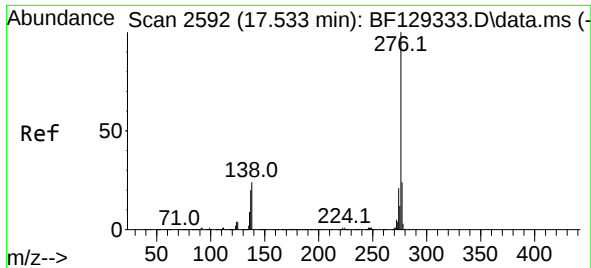
Tgt Ion:252 Resp: 152833
Ion Ratio Lower Upper
252 100
253 22.8 17.8 26.6
125 12.6 8.3 12.5#



#90
Benzo(a)pyrene
Concen: 4.687 ng
RT: 15.427 min Scan# 2234
Delta R.T. -0.012 min
Lab File: BF129673.D
Acq: 09 Aug 2022 18:53

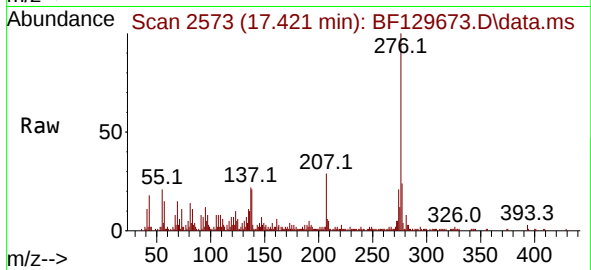
Tgt Ion:252 Resp: 79300
Ion Ratio Lower Upper
252 100
253 22.2 17.0 25.6
125 11.8 8.8 13.2





#92
 Benzo(g,h,i)perylene
 Concen: 3.042 ng
 RT: 17.421 min Scan# 21
 Delta R.T. -0.029 min
 Lab File: BF129673.D
 Acq: 09 Aug 2022 18:53

Instrument :
 BNA_F
 ClientSampleId :
 RVE-218



Tgt Ion:	276	Resp:	53536
Ion Ratio	Lower	Upper	
276	100		
277	24.1	19.1	28.7
138	21.3	18.0	27.0

