

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF080721\
 Data File : BF124992.D
 Acq On : 8 Aug 2021 1:11
 Operator : JU/CG
 Sample : M3280-01 5X
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TR-04-080421

Quant Time: Aug 08 09:12:22 2021
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF080421.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Aug 06 11:27:24 2021
 Response via : Initial Calibration

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

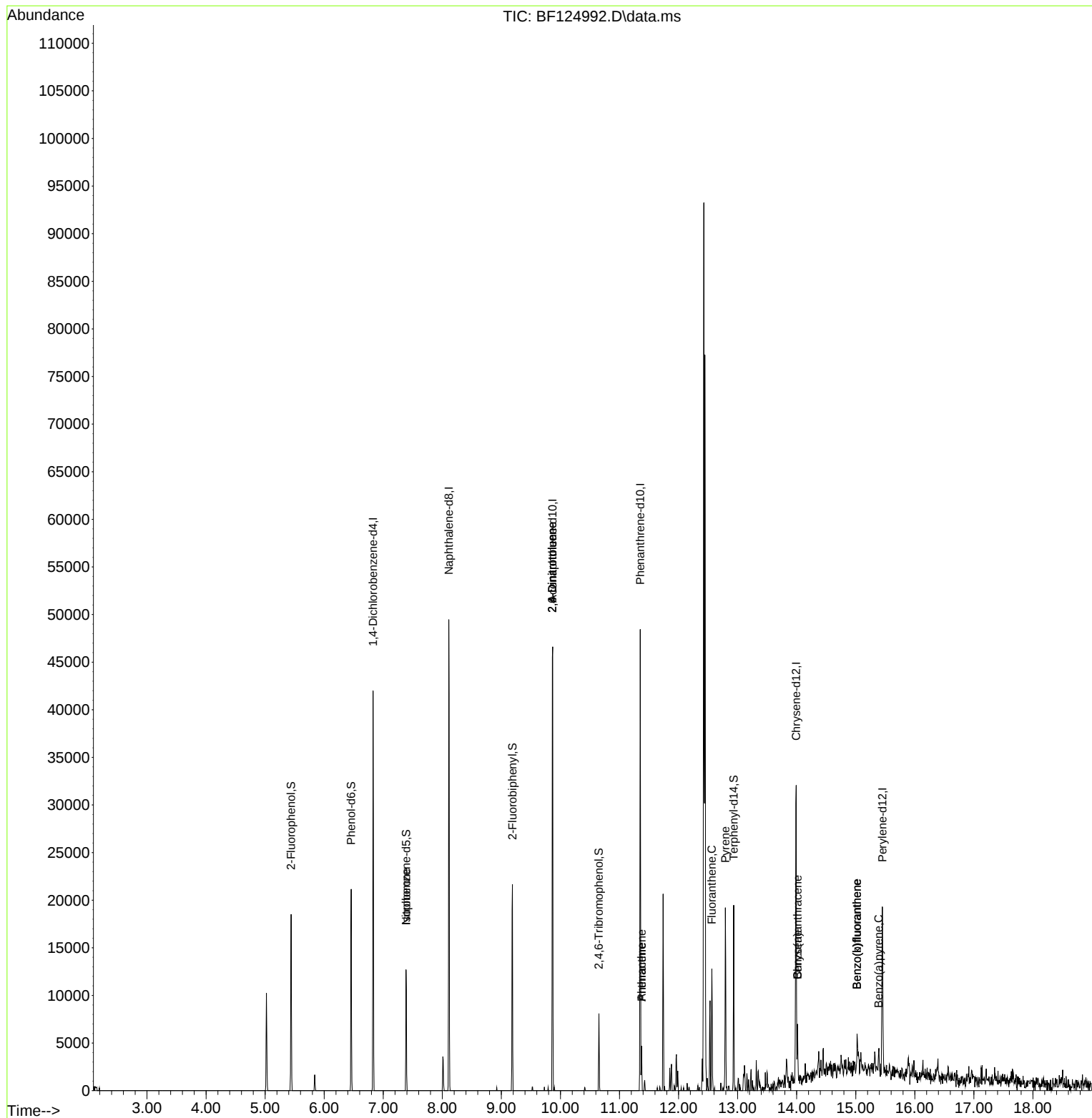
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.828	152	5905	20.00	ng	0.00
21) Naphthalene-d8	8.110	136	21066	20.00	ng	# 0.00
39) Acenaphthene-d10	9.869	164	10109	20.00	ng	0.00
64) Phenanthrene-d10	11.351	188	16330	20.00	ng	0.00
76) Chrysene-d12	13.992	240	11388	20.00	ng	0.00
86) Perylene-d12	15.451	264	8175	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.440	112	5237	14.53	ng	0.00
7) Phenol-d6	6.457	99	6283	13.82	ng	0.00
23) Nitrobenzene-d5	7.387	82	3815	9.47	ng	-0.01
42) 2,4,6-Tribromophenol	10.651	330	1049	11.62	ng	0.00
45) 2-Fluorobiphenyl	9.186	172	7624	11.04	ng	0.00
79) Terphenyl-d14	12.933	244	7278	10.78	ng	0.00
Target Compounds						
						Qvalue
25) Isophorone	7.387	82	3815	5.55	ng	# 59
51) 2,6-Dinitrotoluene	9.863	165	1336	8.76	ng	# 26
57) 2,4-Dinitrotoluene	9.863	165	1336	6.45	ng	# 18
71) Phenanthrene	11.375	178	2302	2.60	ng	95
72) Anthracene	11.375	178	2302	2.59	ng	97
75) Fluoranthene	12.563	202	5789	6.32	ng	95
78) Pyrene	12.792	202	8027	8.95	ng	94
81) Benzo(a)anthracene	14.016	228	2551	3.44	ng	99
83) Chrysene	14.016	228	2551	3.56	ng	98
88) Benzo(b)fluoranthene	15.021	252	2978	5.19	ng	# 75
89) Benzo(k)fluoranthene	15.021	252	2978	5.70	ng	# 73
90) Benzo(a)pyrene	15.386	252	1506	3.08	ng	# 86

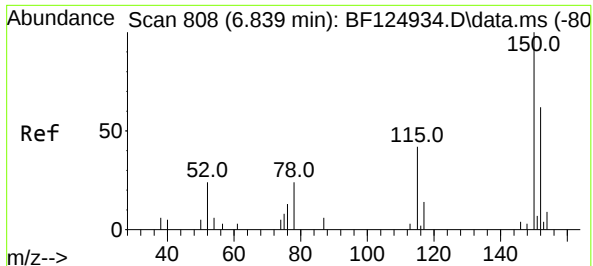
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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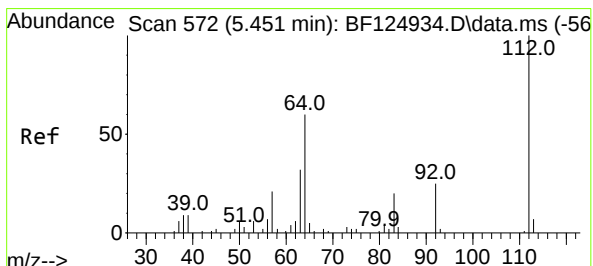
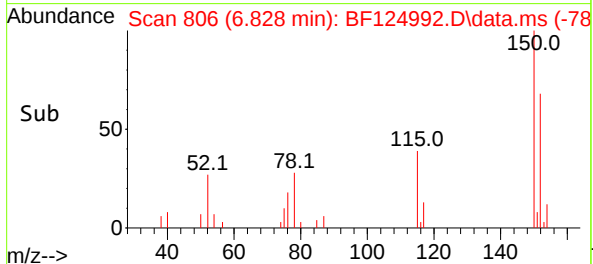
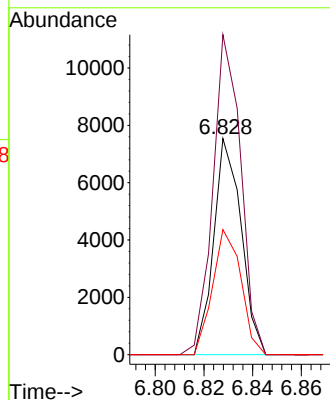
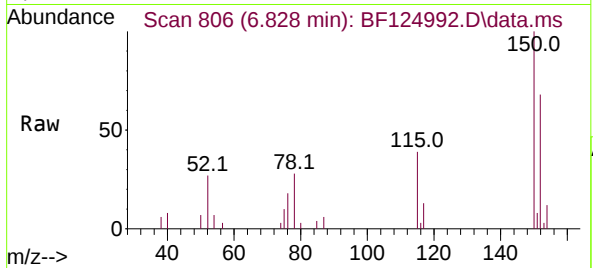




#1
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.828 min Scan# 806
Delta R.T. -0.000 min
Lab File: BF124992.D
Acq: 8 Aug 2021 1:11

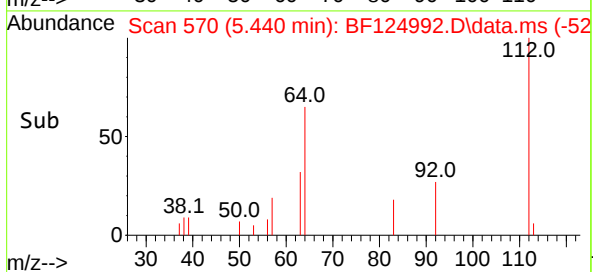
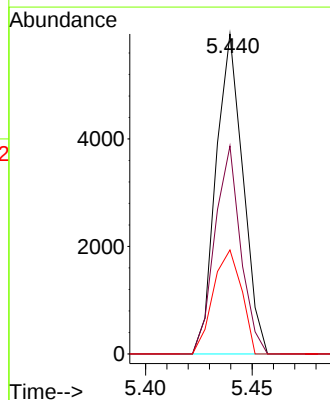
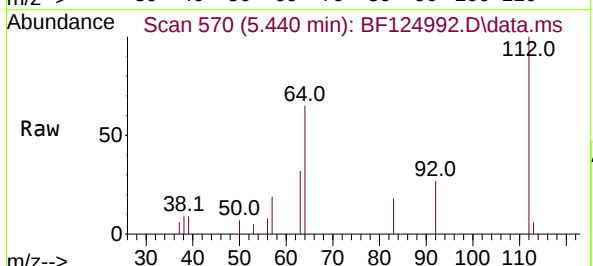
Instrument :
BNA_F
ClientSampleId :
TR-04-080421

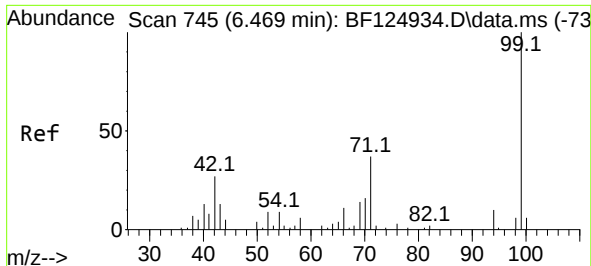
Tgt Ion:152 Resp: 5905
Ion Ratio Lower Upper
152 100
150 148.0 117.6 176.4
115 57.9 47.1 70.7



#5
2-Fluorophenol
Concen: 14.53 ng
RT: 5.440 min Scan# 570
Delta R.T. -0.006 min
Lab File: BF124992.D
Acq: 8 Aug 2021 1:11

Tgt Ion:112 Resp: 5237
Ion Ratio Lower Upper
112 100
64 65.0 44.2 66.2
63 32.5 26.2 39.2



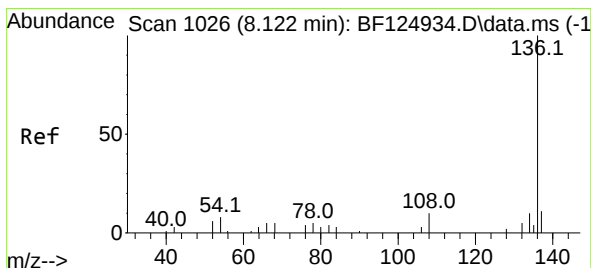
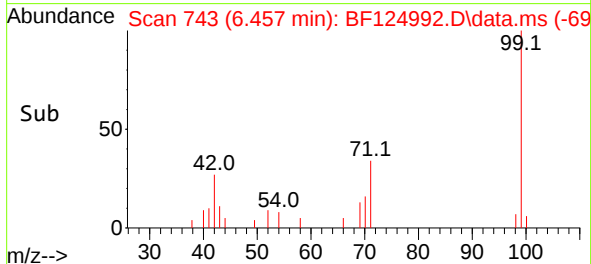
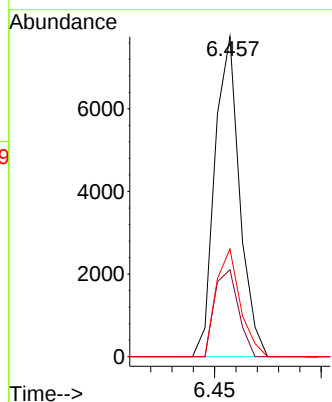
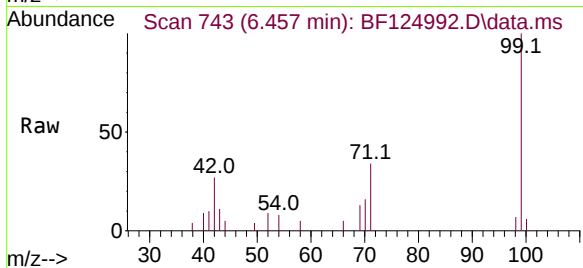


#7
Phenol-d6
Concen: 13.82 ng
RT: 6.457 min Scan# 743
Delta R.T. -0.006 min
Lab File: BF124992.D
Acq: 8 Aug 2021 1:11

Instrument :
BNA_F
ClientSampleId :
TR-04-080421

Tgt Ion: 99 Resp: 6283

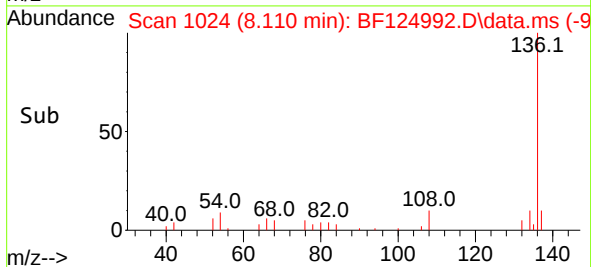
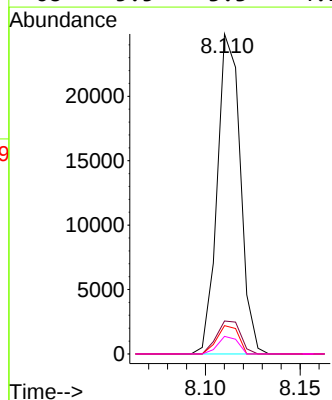
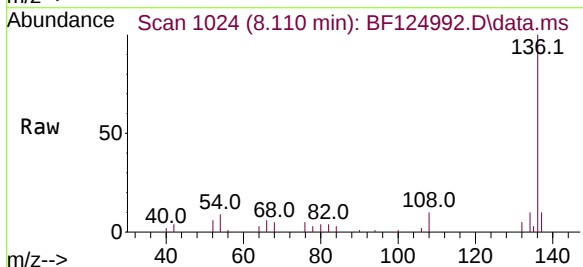
Ion	Ratio	Lower	Upper
99	100		
42	27.1	23.5	35.3
71	33.7	25.6	38.4

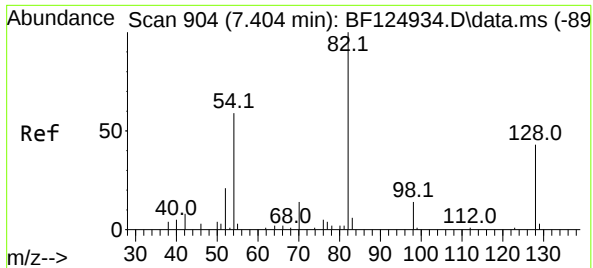


#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.110 min Scan# 1024
Delta R.T. -0.006 min
Lab File: BF124992.D
Acq: 8 Aug 2021 1:11

Tgt Ion: 136 Resp: 21066

Ion	Ratio	Lower	Upper
136	100		
137	10.3	9.8	14.6
54	8.9	6.4	9.6
68	5.5	3.3	4.9





#23

Nitrobenzene-d5

Concen: 9.47 ng

RT: 7.387 min Scan# 901

Delta R.T. -0.012 min

Lab File: BF124992.D

Acq: 8 Aug 2021 1:11

Tgt Ion: 82 Resp: 3815

Ion Ratio Lower Upper

82 100

128 42.4 40.6 60.8

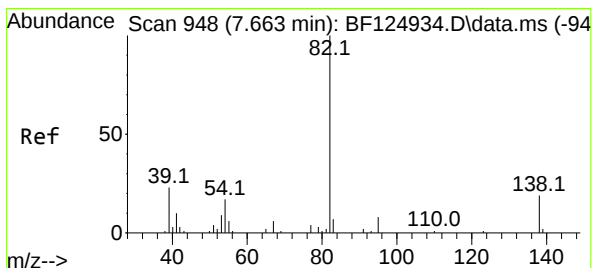
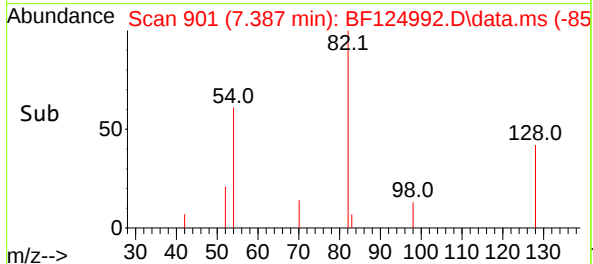
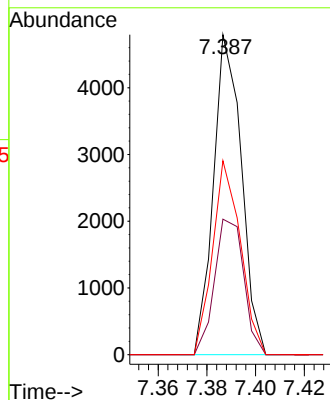
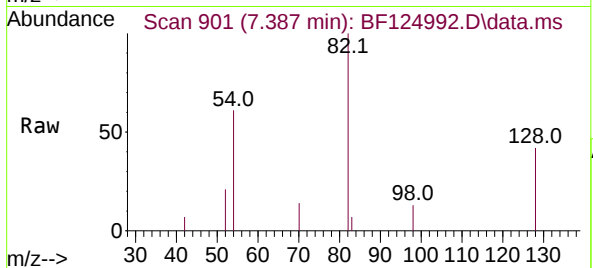
54 60.6 49.6 74.4

Instrument :

BNA_F

ClientSampleId :

TR-04-080421



#25

Isophorone

Concen: 5.55 ng

RT: 7.387 min Scan# 901

Delta R.T. -0.270 min

Lab File: BF124992.D

Acq: 8 Aug 2021 1:11

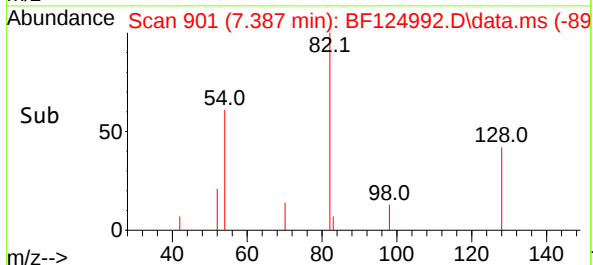
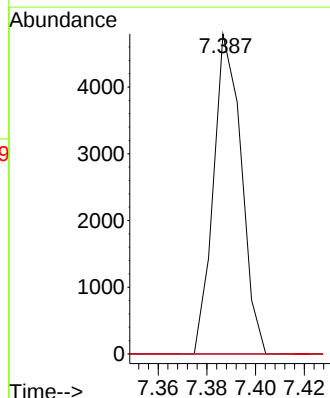
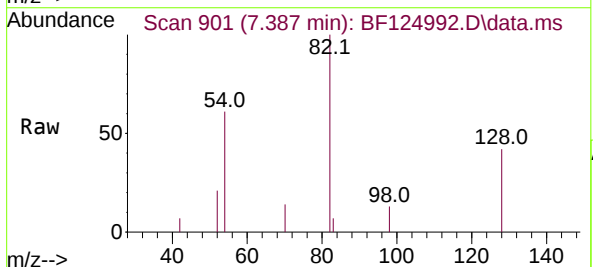
Tgt Ion: 82 Resp: 3815

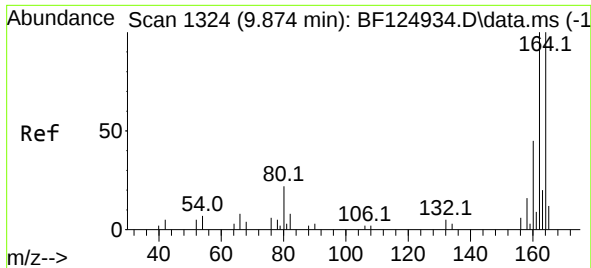
Ion Ratio Lower Upper

82 100

95 0.0 6.5 9.7#

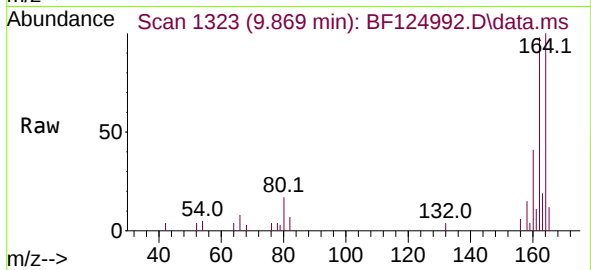
138 0.0 18.4 27.6#



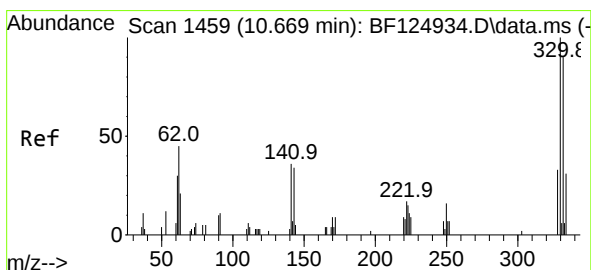
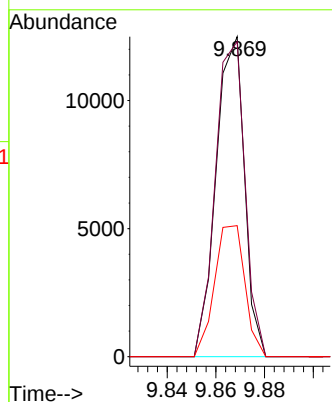
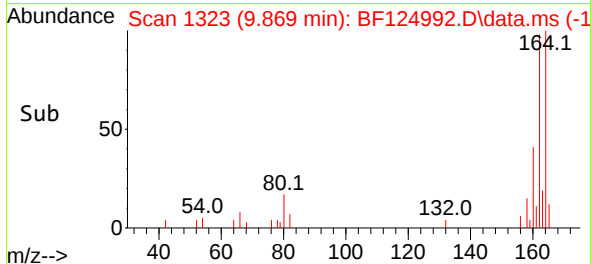


#39
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.869 min Scan# 1323
Delta R.T. 0.000 min
Lab File: BF124992.D
Acq: 8 Aug 2021 1:11

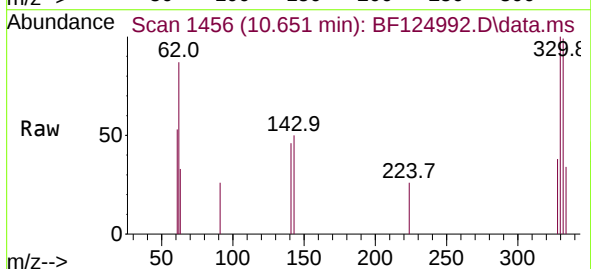
Instrument :
BNA_F
ClientSampleId :
TR-04-080421



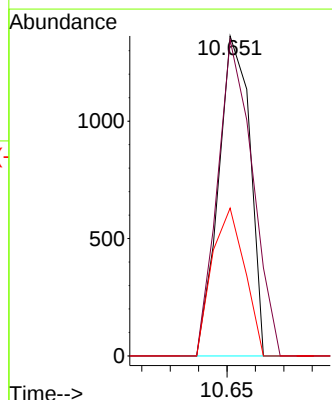
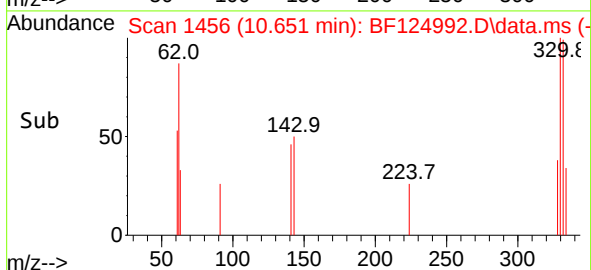
Tgt Ion:164 Resp: 10109
Ion Ratio Lower Upper
164 100
162 98.4 81.3 121.9
160 41.0 38.0 57.0

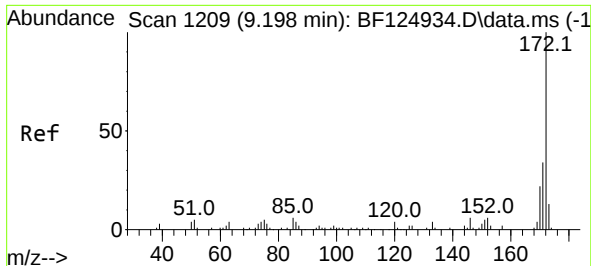


#42
2,4,6-Tribromophenol
Concen: 11.62 ng
RT: 10.651 min Scan# 1456
Delta R.T. -0.006 min
Lab File: BF124992.D
Acq: 8 Aug 2021 1:11



Tgt Ion:330 Resp: 1049
Ion Ratio Lower Upper
330 100
332 110.0 76.2 114.4
141 47.9 44.6 66.8



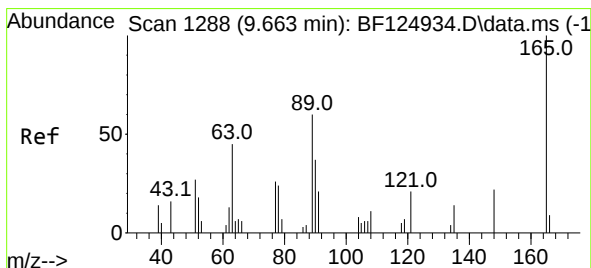
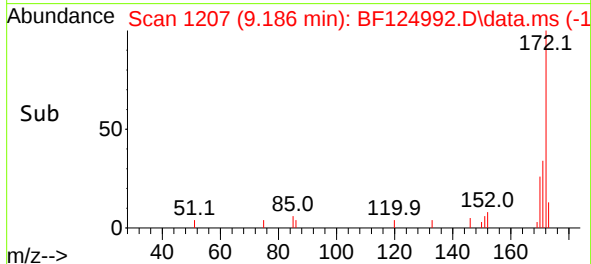
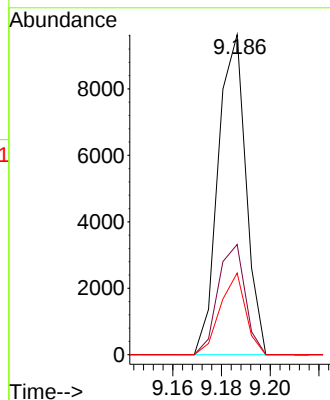
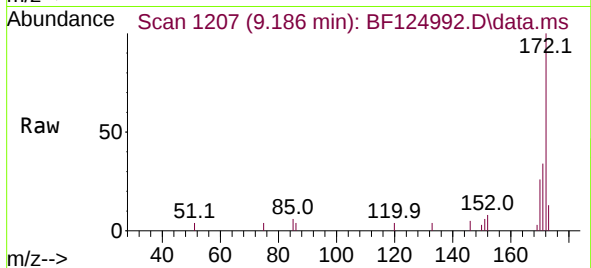


#45
2-Fluorobiphenyl
Concen: 11.04 ng
RT: 9.186 min Scan# 1207
Delta R.T. -0.006 min
Lab File: BF124992.D
Acq: 8 Aug 2021 1:11

Instrument :
BNA_F
ClientSampleId :
TR-04-080421

Tgt Ion:172 Resp: 7624

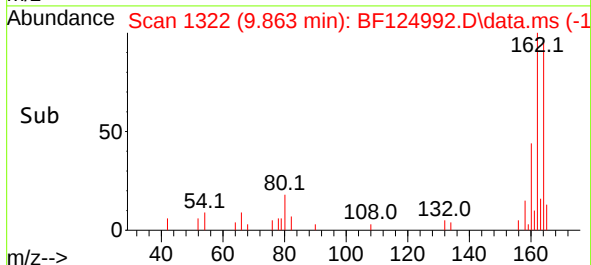
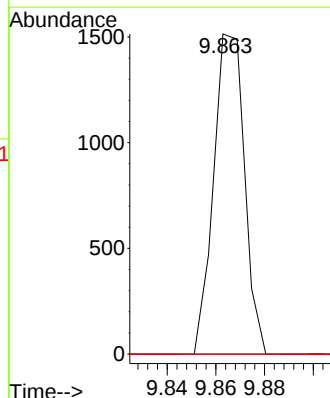
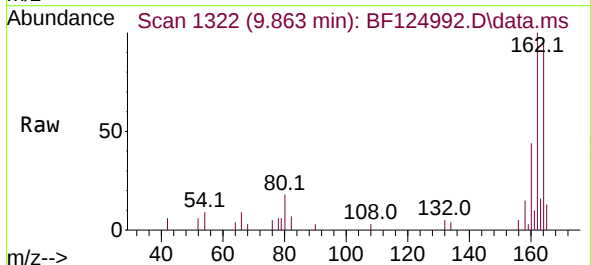
Ion	Ratio	Lower	Upper
172	100		
171	34.5	26.5	39.7
170	25.5	18.8	28.2

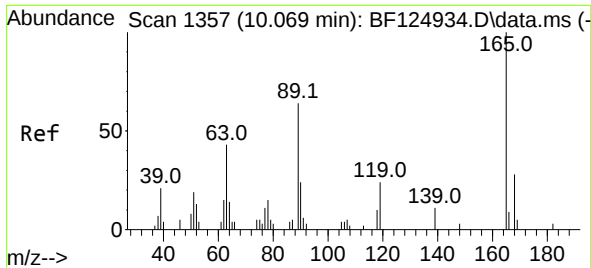


#51
2,6-Dinitrotoluene
Concen: 8.76 ng
RT: 9.863 min Scan# 1322
Delta R.T. 0.206 min
Lab File: BF124992.D
Acq: 8 Aug 2021 1:11

Tgt Ion:165 Resp: 1336

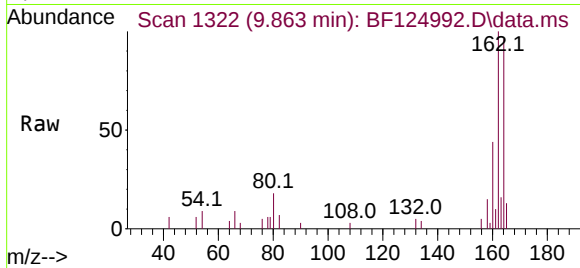
Ion	Ratio	Lower	Upper
165	100		
63	0.0	42.6	63.8#
89	0.0	40.6	60.8#



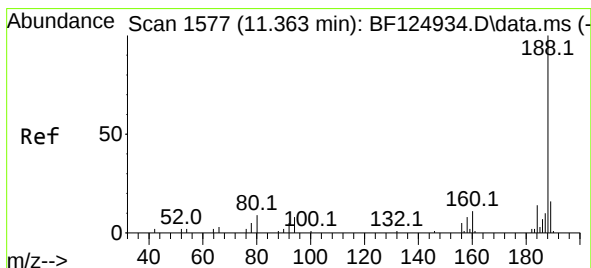
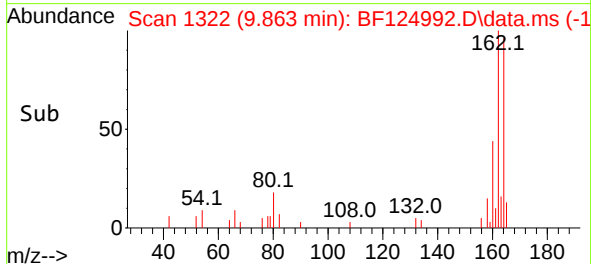
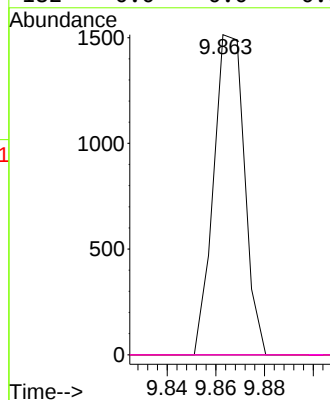


#57
2,4-Dinitrotoluene
Concen: 6.45 ng
RT: 9.863 min Scan# 1322
Delta R.T. -0.194 min
Lab File: BF124992.D
Acq: 8 Aug 2021 1:11

Instrument :
BNA_F
ClientSampleId :
TR-04-080421

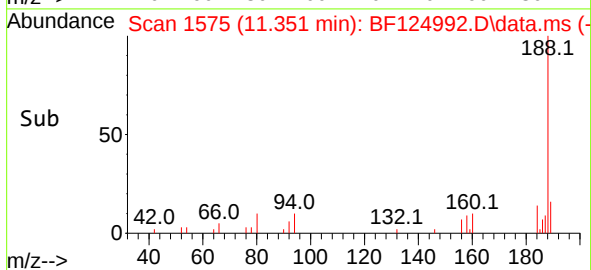
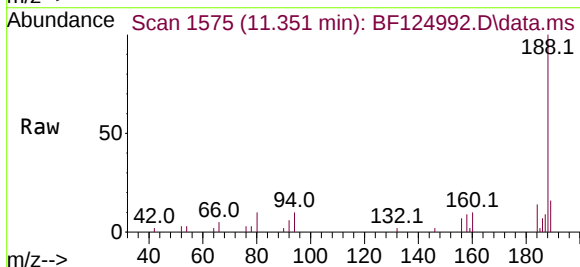
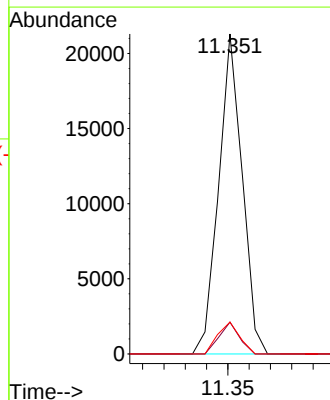


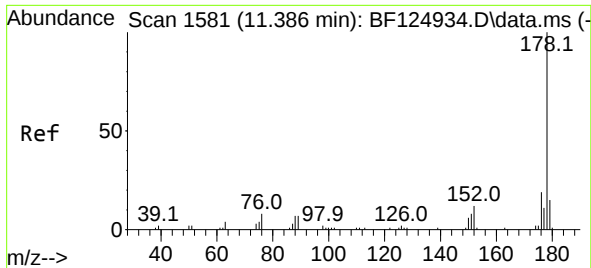
Tgt Ion:165 Resp: 1336
Ion Ratio Lower Upper
165 100
63 0.0 40.9 61.3#
89 0.0 59.7 89.5#
182 0.0 0.0 0.0



#64
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.351 min Scan# 1575
Delta R.T. 0.000 min
Lab File: BF124992.D
Acq: 8 Aug 2021 1:11

Tgt Ion:188 Resp: 16330
Ion Ratio Lower Upper
188 100
94 10.0 6.7 10.1
80 10.0 7.5 11.3

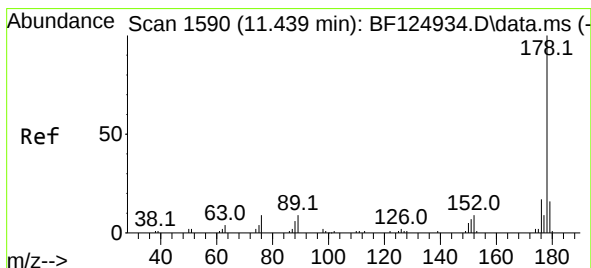
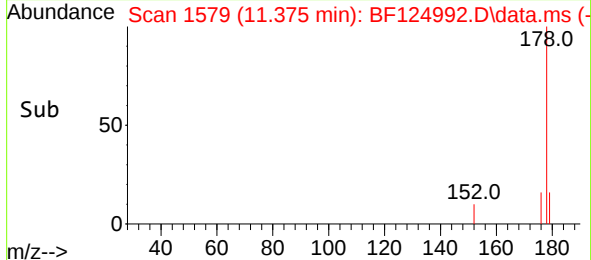
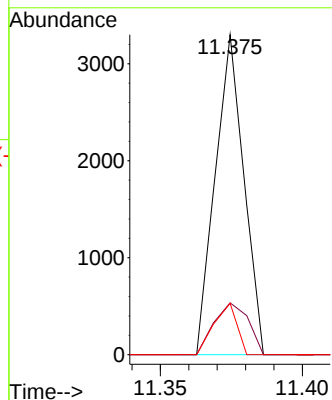
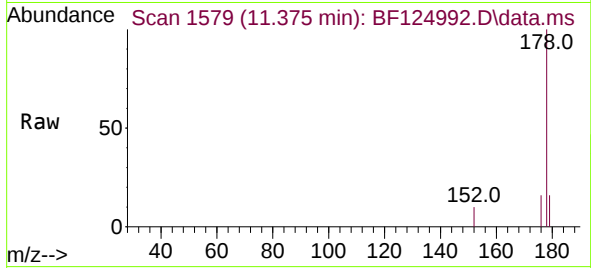




#71
Phenanthrene
Concen: 2.60 ng
RT: 11.375 min Scan# 1579
Delta R.T. -0.006 min
Lab File: BF124992.D
Acq: 8 Aug 2021 1:11

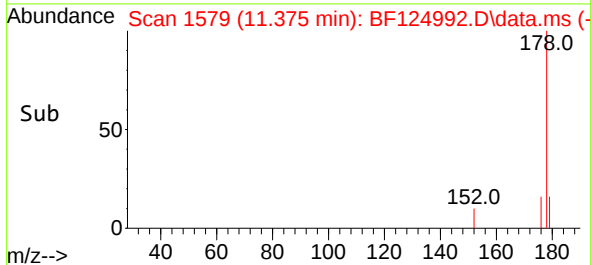
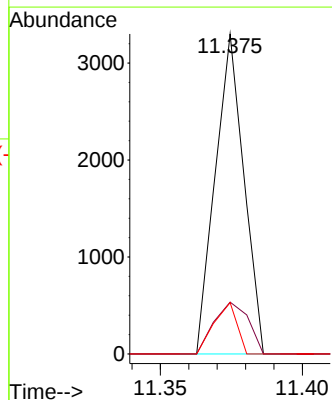
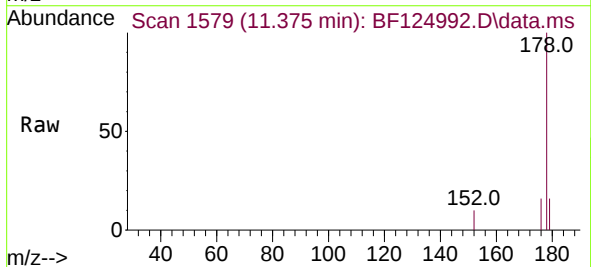
Instrument :
BNA_F
ClientSampleId :
TR-04-080421

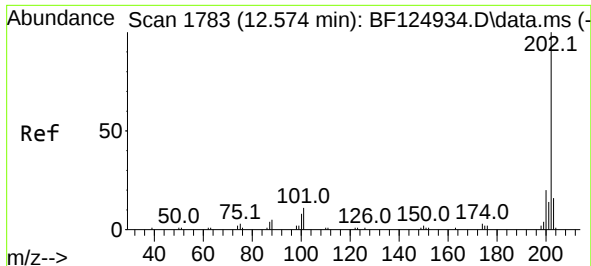
Tgt Ion:178 Resp: 2302
Ion Ratio Lower Upper
178 100
176 16.2 14.7 22.1
179 16.0 11.5 17.3



#72
Anthracene
Concen: 2.59 ng
RT: 11.375 min Scan# 1579
Delta R.T. -0.059 min
Lab File: BF124992.D
Acq: 8 Aug 2021 1:11

Tgt Ion:178 Resp: 2302
Ion Ratio Lower Upper
178 100
176 16.2 14.3 21.5
179 16.0 12.2 18.4

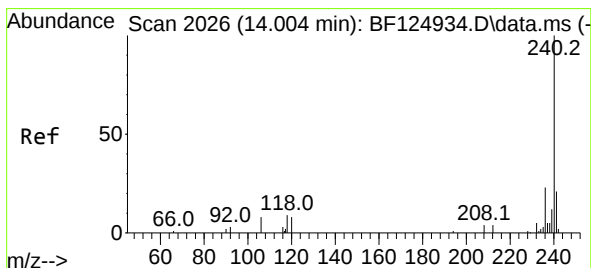
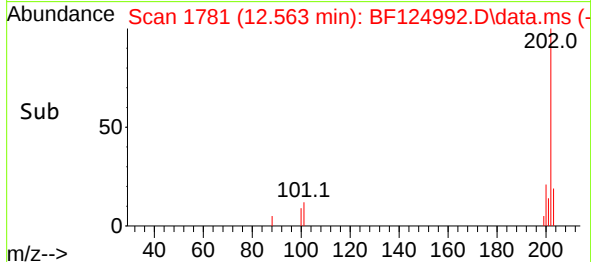
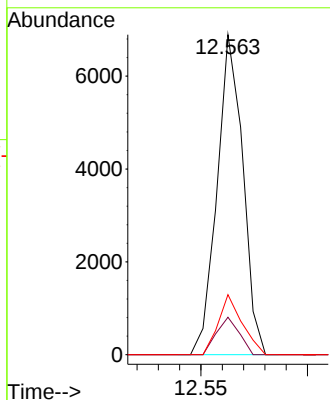
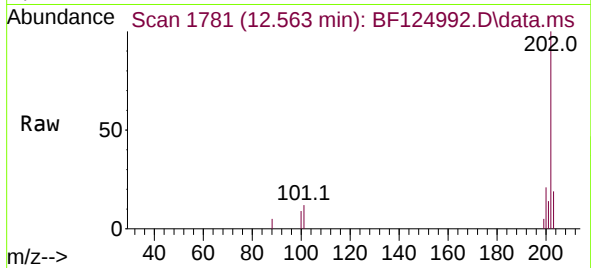




#75
Fluoranthene
Concen: 6.32 ng
RT: 12.563 min Scan# 1781
Delta R.T. 0.000 min
Lab File: BF124992.D
Acq: 8 Aug 2021 1:11

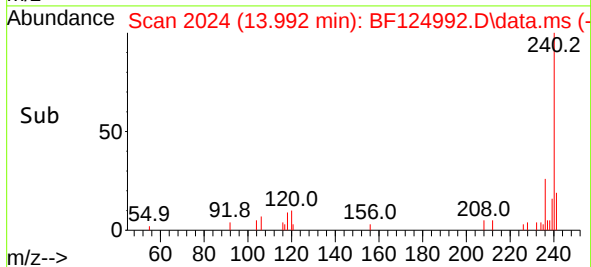
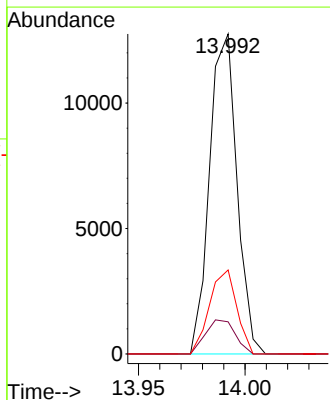
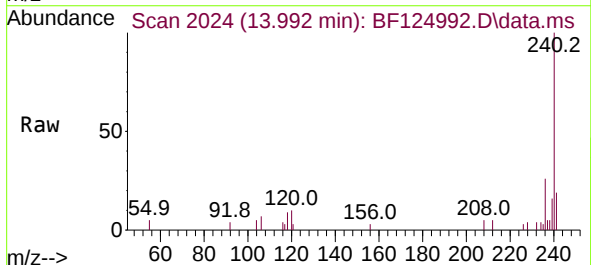
Instrument :
BNA_F
ClientSampleId :
TR-04-080421

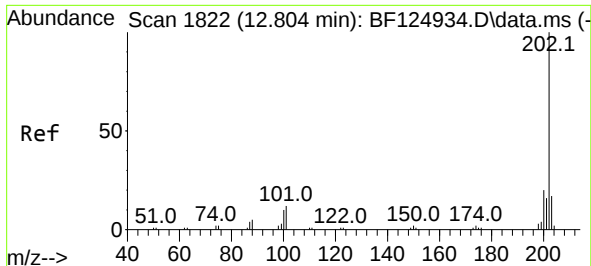
Tgt Ion:202	Resp:	5789
Ion Ratio	Lower	Upper
202	100	
101	11.7	0.0 30.7
203	18.8	0.0 36.3



#76
Chrysene-d12
Concen: 20.00 ng
RT: 13.992 min Scan# 2024
Delta R.T. 0.000 min
Lab File: BF124992.D
Acq: 8 Aug 2021 1:11

Tgt Ion:240	Resp:	11388
Ion Ratio	Lower	Upper
240	100	
120	13.3	10.8 16.2
236	26.2	21.6 32.4

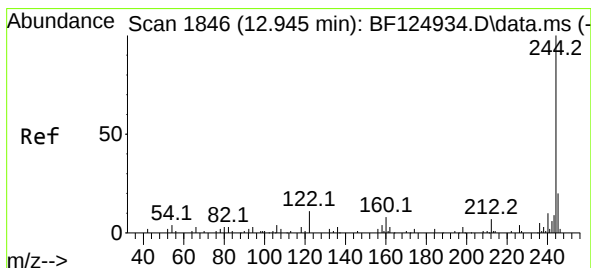
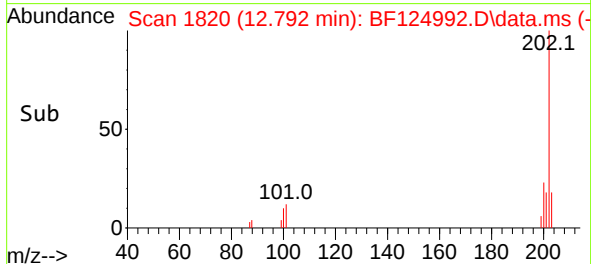
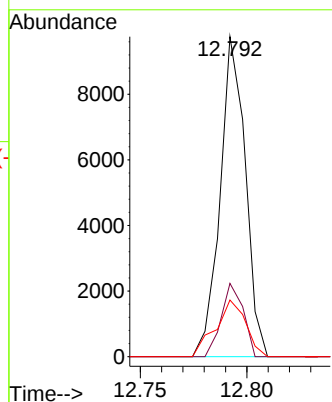
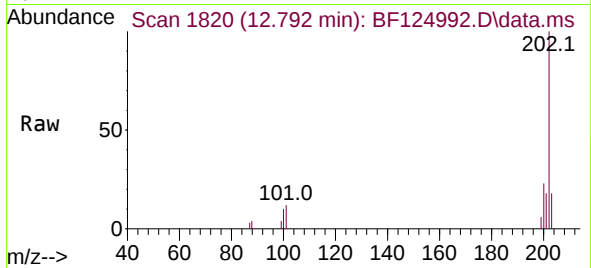




#78
Pyrene
Concen: 8.95 ng
RT: 12.792 min Scan# 1820
Delta R.T. 0.000 min
Lab File: BF124992.D
Acq: 8 Aug 2021 1:11

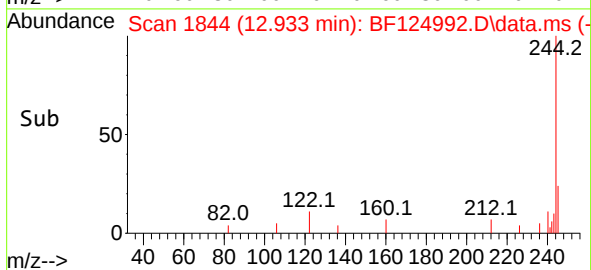
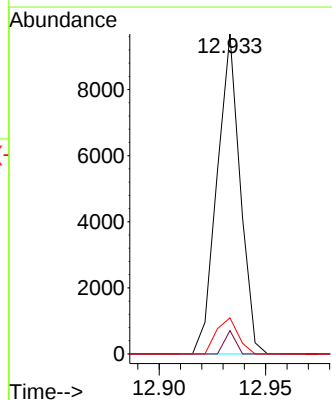
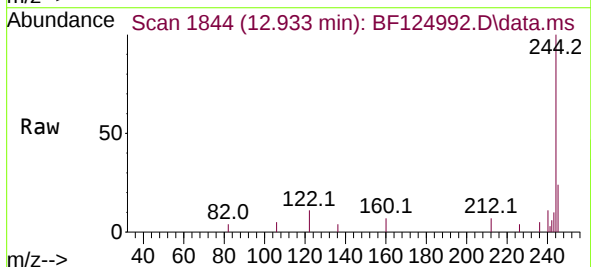
Instrument :
BNA_F
ClientSampled :
TR-04-080421

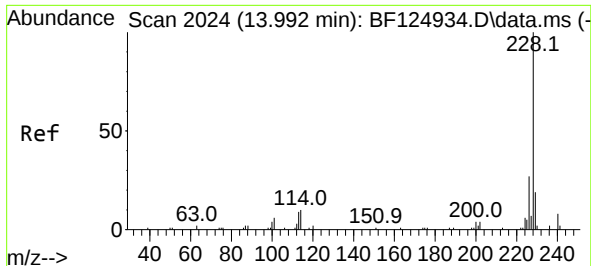
Tgt Ion:202	Resp:	8027
Ion Ratio	Lower	Upper
202	100	
200	22.9	15.3 22.9
203	17.7	13.4 20.0



#79
Terphenyl-d14
Concen: 10.78 ng
RT: 12.933 min Scan# 1844
Delta R.T. -0.006 min
Lab File: BF124992.D
Acq: 8 Aug 2021 1:11

Tgt Ion:244	Resp:	7278
Ion Ratio	Lower	Upper
244	100	
212	7.3	5.9 8.9
122	11.3	9.0 13.4

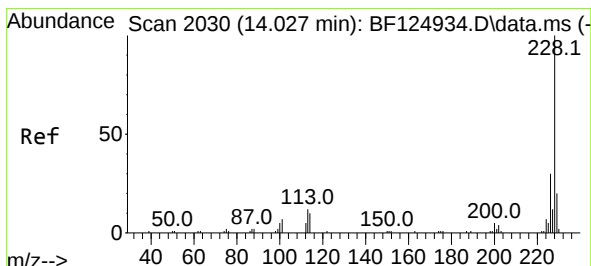
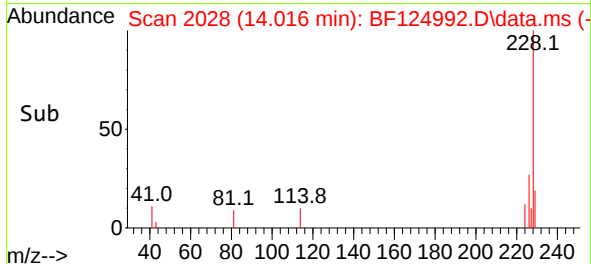
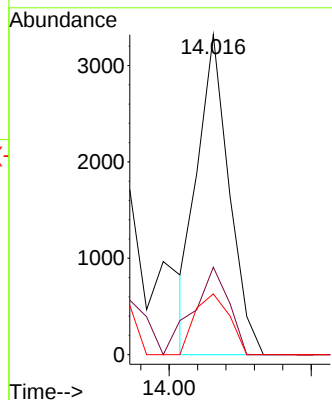
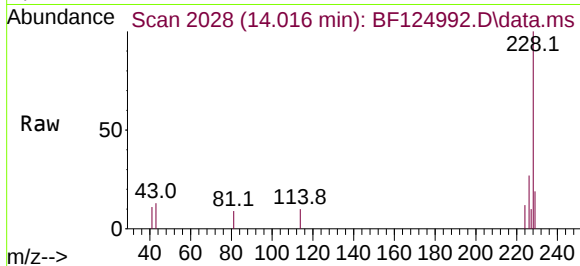




#81
Benzo(a)anthracene
Concen: 3.44 ng
RT: 14.016 min Scan# 2028
Delta R.T. 0.035 min
Lab File: BF124992.D
Acq: 8 Aug 2021 1:11

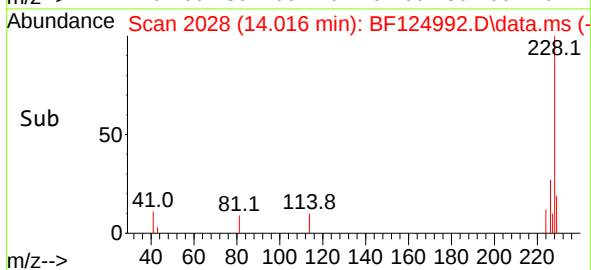
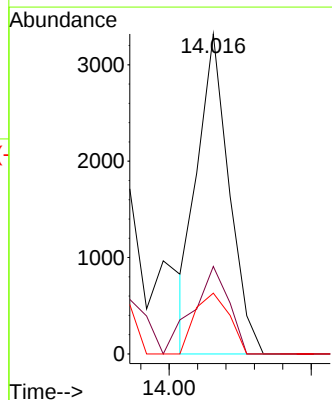
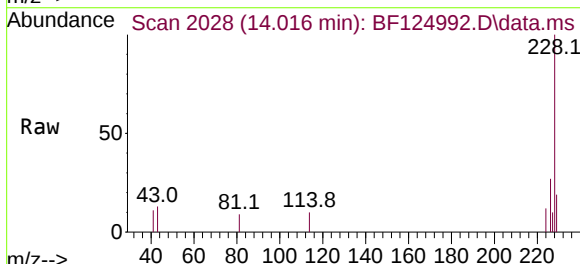
Instrument :
BNA_F
ClientSampleId :
TR-04-080421

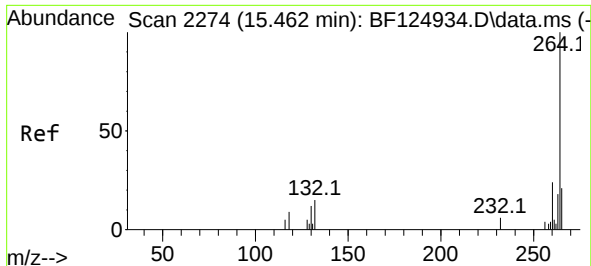
Tgt Ion:228	Resp:	2551
Ion Ratio	Lower	Upper
228	100	
226	27.3	21.6 32.4
229	19.0	15.6 23.4



#83
Chrysene
Concen: 3.56 ng
RT: 14.016 min Scan# 2028
Delta R.T. -0.006 min
Lab File: BF124992.D
Acq: 8 Aug 2021 1:11

Tgt Ion:228	Resp:	2551
Ion Ratio	Lower	Upper
228	100	
226	27.3	22.6 34.0
229	19.0	15.9 23.9

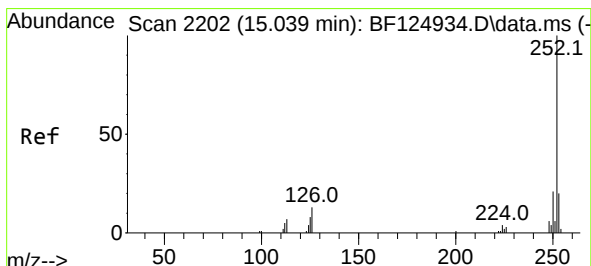
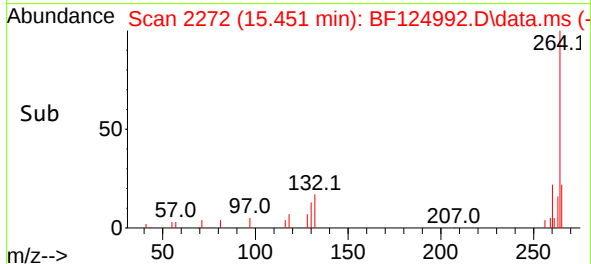
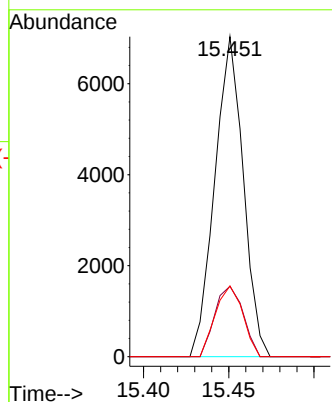
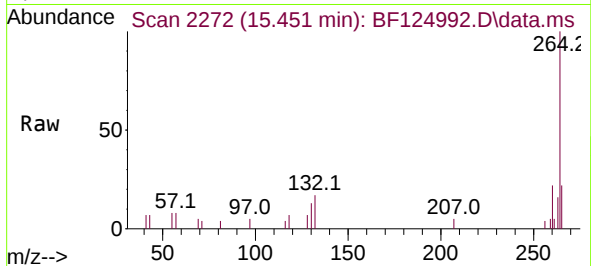




#86
Perylene-d12
Concen: 20.00 ng
RT: 15.451 min Scan# 2272
Delta R.T. 0.006 min
Lab File: BF124992.D
Acq: 8 Aug 2021 1:11

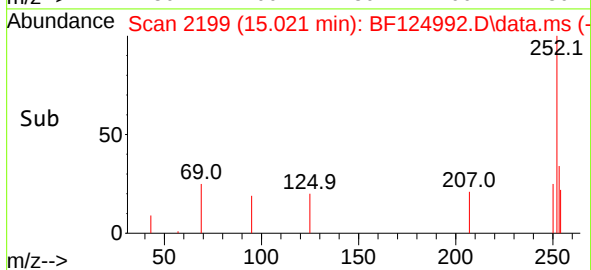
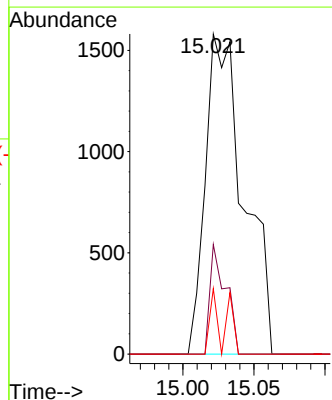
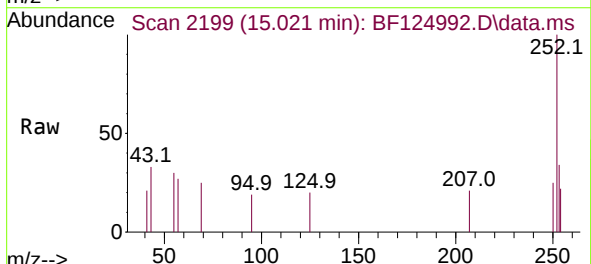
Instrument :
BNA_F
ClientSampled :
TR-04-080421

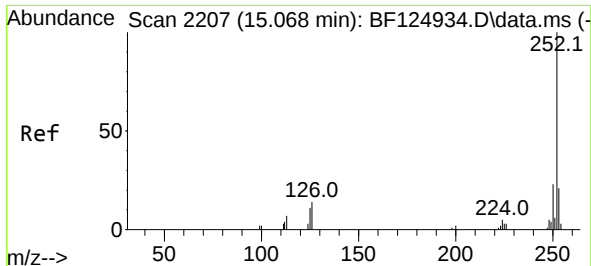
Tgt Ion:264 Resp: 8175
Ion Ratio Lower Upper
264 100
260 22.0 19.6 29.4
265 22.1 17.2 25.8



#88
Benzo(b)fluoranthene
Concen: 5.19 ng
RT: 15.021 min Scan# 2199
Delta R.T. 0.000 min
Lab File: BF124992.D
Acq: 8 Aug 2021 1:11

Tgt Ion:252 Resp: 2978
Ion Ratio Lower Upper
252 100
253 34.2 16.8 25.2#
125 20.4 9.8 14.8#





#89

Benzo(k)fluoranthene

Concen: 5.70 ng

RT: 15.021 min Scan# 2199

Delta R.T. -0.029 min

Lab File: BF124992.D

Acq: 8 Aug 2021 1:11

Tgt Ion:252 Resp: 2978

Ion Ratio Lower Upper

252 100

253 34.2 17.8 26.8#

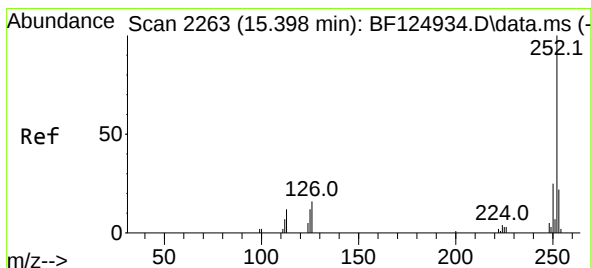
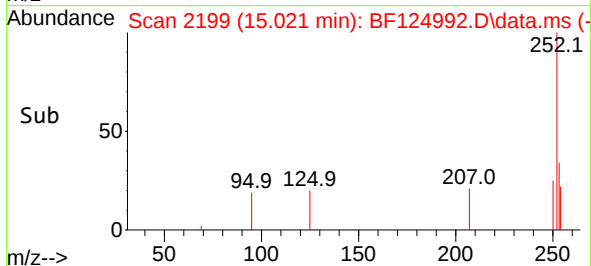
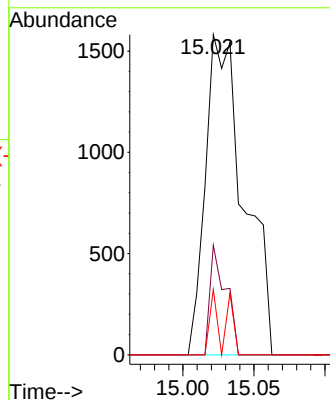
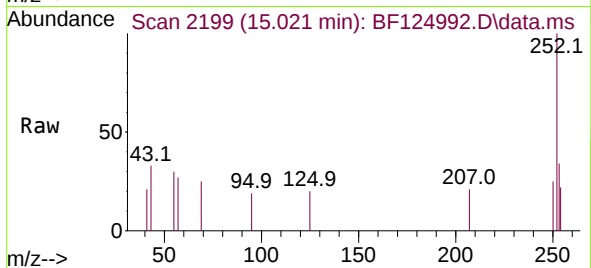
125 20.4 7.2 10.8#

Instrument :

BNA_F

ClientSampleId :

TR-04-080421



#90

Benzo(a)pyrene

Concen: 3.08 ng

RT: 15.386 min Scan# 2261

Delta R.T. 0.000 min

Lab File: BF124992.D

Acq: 8 Aug 2021 1:11

Tgt Ion:252 Resp: 1506

Ion Ratio Lower Upper

252 100

253 25.4 18.4 27.6

125 0.0 9.9 14.9#

