

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF060722\
 Data File : BF128724.D
 Acq On : 07 Jun 2022 19:16
 Operator : CG\JU
 Sample : N3197-01DL 20X
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SU-3-060322DL

Quant Time: Jun 08 00:27:28 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF060222.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Jun 02 17:07:23 2022
 Response via : Initial Calibration

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

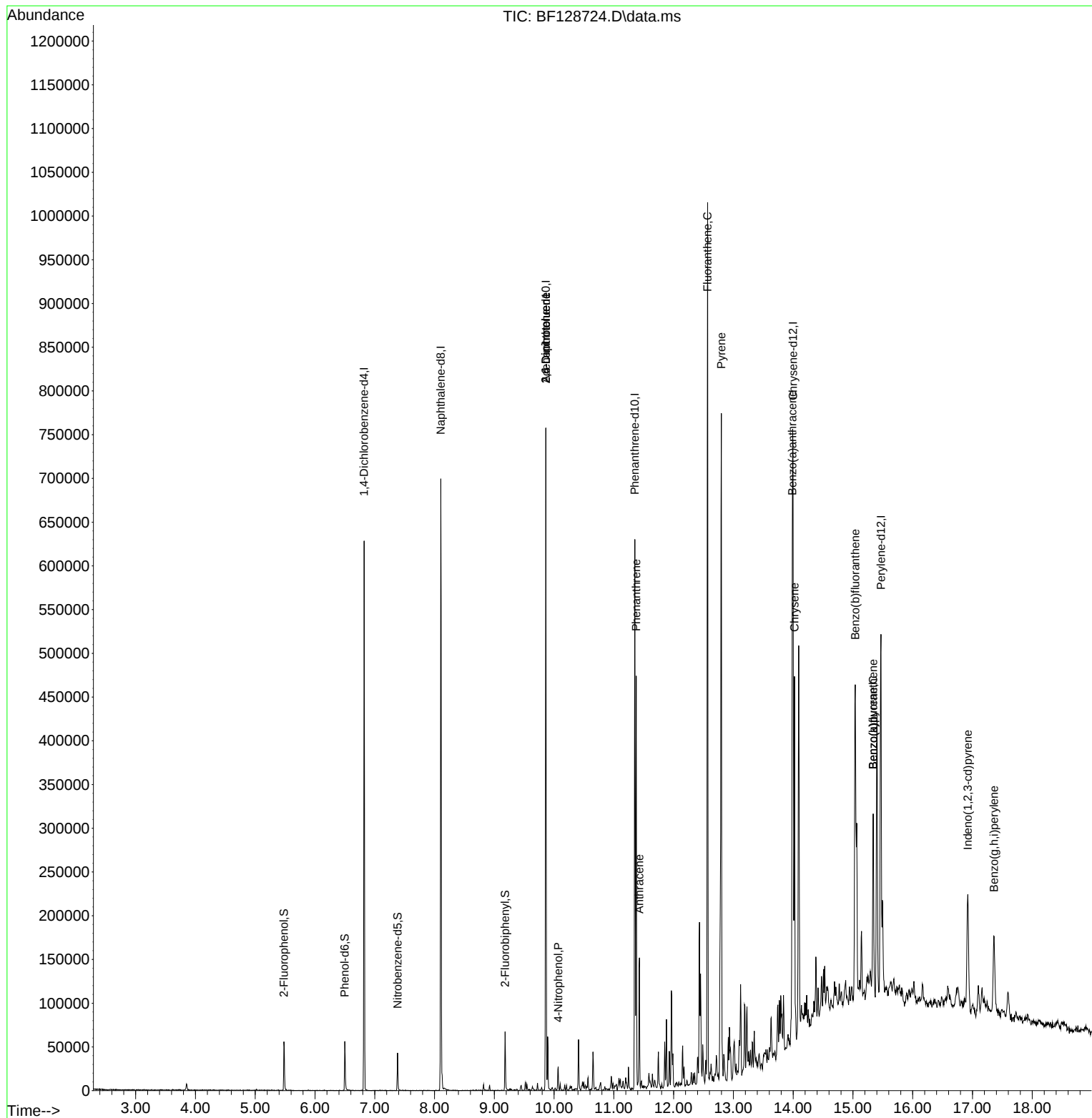
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.822	152	77948	20.000	ng	0.00
21) Naphthalene-d8	8.104	136	268763	20.000	ng	0.00
39) Acenaphthene-d10	9.863	164	133887	20.000	ng	0.00
64) Phenanthrene-d10	11.351	188	207232	20.000	ng	0.00
76) Chrysene-d12	13.998	240	184969	20.000	ng	# 0.00
86) Perylene-d12	15.468	264	193830	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.481	112	13858	2.832	ng	0.00
7) Phenol-d6	6.498	99	16718	2.799	ng	0.00
23) Nitrobenzene-d5	7.381	82	11703	2.027	ng	-0.01
42) 2,4,6-Tribromophenol	10.657	330	3025	1.912	ng	0.00
45) 2-Fluorobiphenyl	9.180	172	21858	2.287	ng	-0.01
79) Terphenyl-d14	12.933	244	17060	1.603	ng	-0.01
Target Compounds						Qvalue
51) 2,6-Dinitrotoluene	9.863	165	17586	9.723	ng	# 26
56) 4-Nitrophenol	10.069	139	3748	2.634	ng	# 8
57) 2,4-Dinitrotoluene	9.863	165	17586	7.285	ng	# 22
71) Phenanthrene	11.374	178	150617	14.490	ng	99
72) Anthracene	11.427	178	55686	5.413	ng	98
75) Fluoranthene	12.569	202	366236	33.707	ng	95
78) Pyrene	12.798	202	316407	22.992	ng	96
81) Benzo(a)anthracene	13.986	228	183413	15.908	ng	99
83) Chrysene	14.021	228	139578	12.698	ng	98
87) Indeno(1,2,3-cd)pyrene	16.921	276	88804	7.601	ng	# 88
88) Benzo(b)fluoranthene	15.039	252	279460	22.564	ng	# 98
89) Benzo(k)fluoranthene	15.339	252	92562	7.945	ng	98
90) Benzo(a)pyrene	15.339	252	95213	9.781	ng	99
92) Benzo(g,h,i)perylene	17.362	276	79253	8.252	ng	# 91

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

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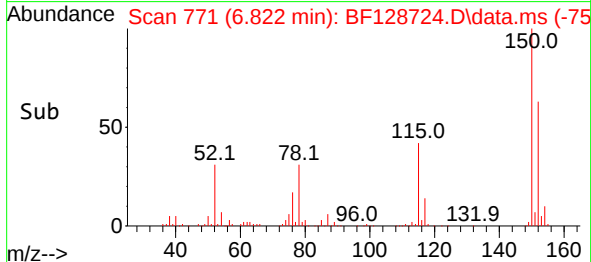
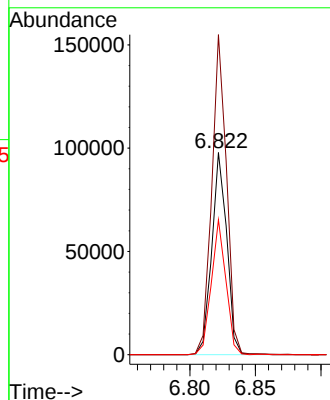
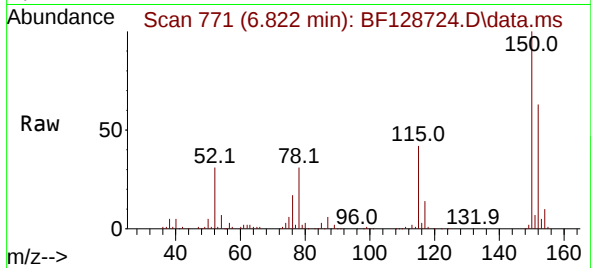




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.822 min Scan# 71
Delta R.T. -0.006 min
Lab File: BF128724.D
Acq: 07 Jun 2022 19:16

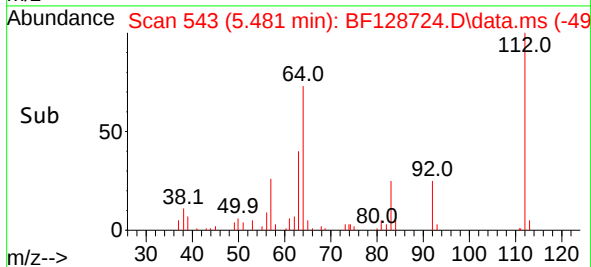
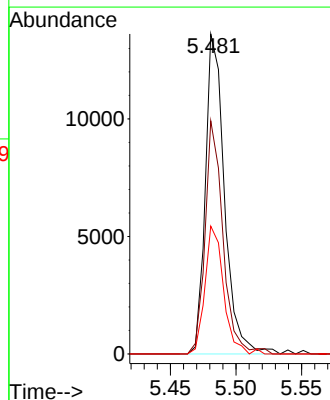
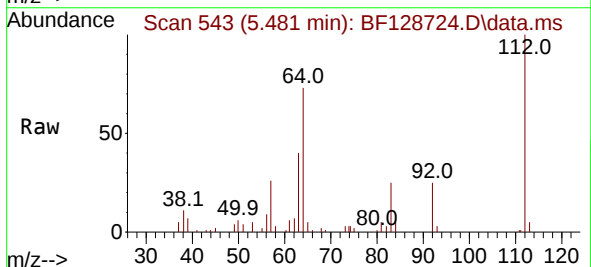
Instrument :
BNA_F
ClientSampleId :
SU-3-060322DL

Tgt Ion:152 Resp: 77948
Ion Ratio Lower Upper
152 100
150 158.4 123.7 185.5
115 66.7 49.9 74.9



#5
2-Fluorophenol
Concen: 2.832 ng
RT: 5.481 min Scan# 543
Delta R.T. 0.006 min
Lab File: BF128724.D
Acq: 07 Jun 2022 19:16

Tgt Ion:112 Resp: 13858
Ion Ratio Lower Upper
112 100
64 72.9 53.3 79.9
63 39.9 28.0 42.0

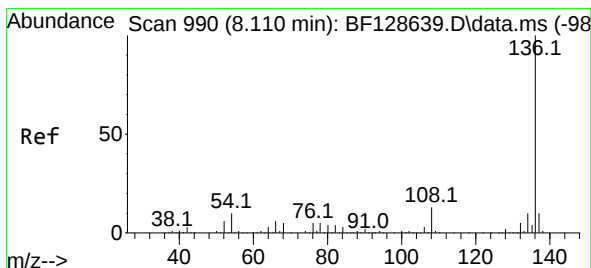
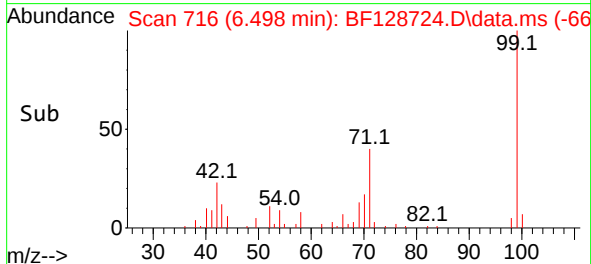
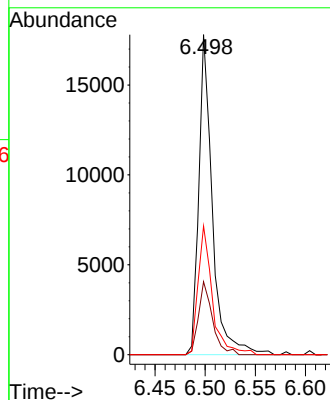
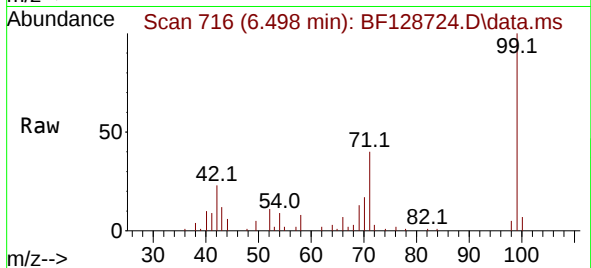




#7
Phenol-d6
Concen: 2.799 ng
RT: 6.498 min Scan# 716
Delta R.T. 0.000 min
Lab File: BF128724.D
Acq: 07 Jun 2022 19:16

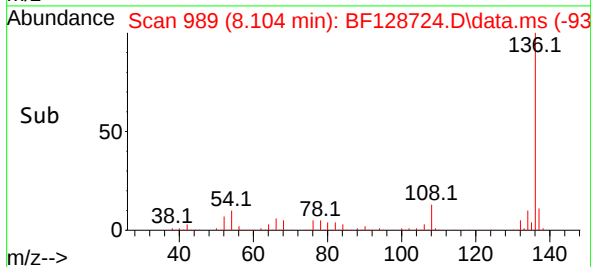
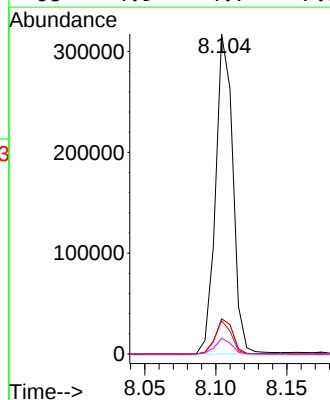
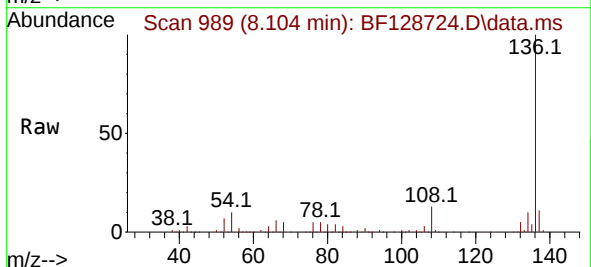
Instrument :
BNA_F
ClientSampleId :
SU-3-060322DL

Tgt Ion: 99 Resp: 16718
Ion Ratio Lower Upper
99 100
42 22.8 17.3 25.9
71 40.2 28.9 43.3



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.104 min Scan# 989
Delta R.T. -0.006 min
Lab File: BF128724.D
Acq: 07 Jun 2022 19:16

Tgt Ion: 136 Resp: 268763
Ion Ratio Lower Upper
136 100
137 11.0 8.8 13.2
54 10.4 7.5 11.3
68 4.9 4.7 7.1

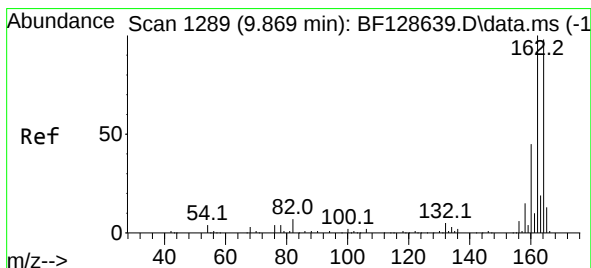
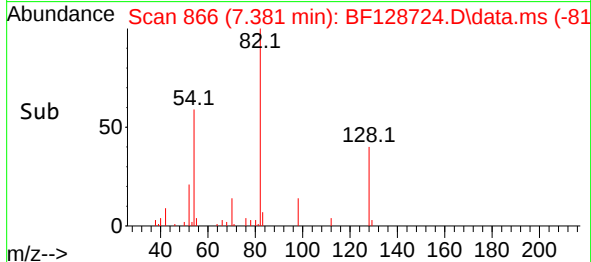
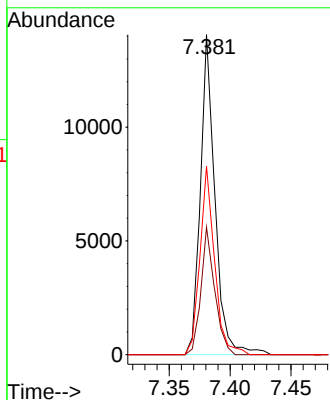
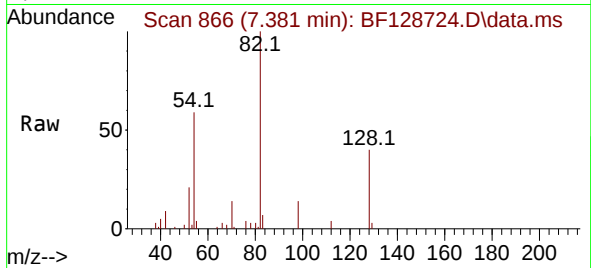




#23
Nitrobenzene-d5
Concen: 2.027 ng
RT: 7.381 min Scan# 866
Delta R.T. -0.011 min
Lab File: BF128724.D
Acq: 07 Jun 2022 19:16

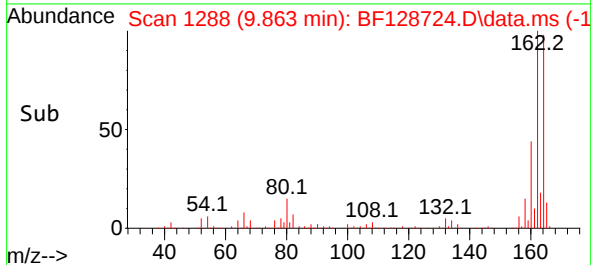
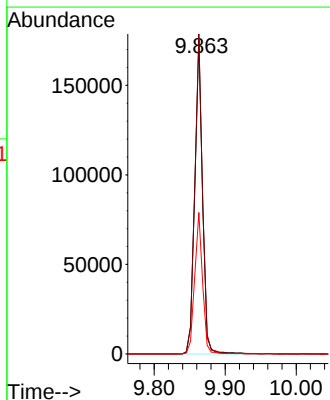
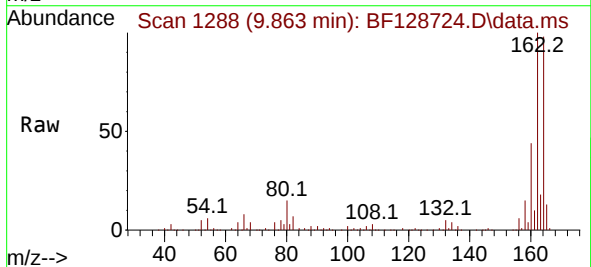
Instrument :
BNA_F
ClientSampleId :
SU-3-060322DL

Tgt Ion: 82 Resp: 11703
Ion Ratio Lower Upper
82 100
128 39.9 34.0 51.0
54 58.9 46.9 70.3



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.863 min Scan# 1288
Delta R.T. -0.006 min
Lab File: BF128724.D
Acq: 07 Jun 2022 19:16

Tgt Ion: 164 Resp: 133887
Ion Ratio Lower Upper
164 100
162 101.8 79.5 119.3
160 45.0 34.2 51.4





#42

2,4,6-Tribromophenol

Concen: 1.912 ng

RT: 10.657 min Scan# 1424

Delta R.T. -0.006 min

Lab File: BF128724.D

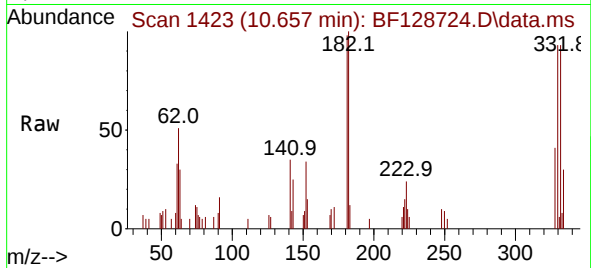
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Instrument :

BNA_F

ClientSampleId :

SU-3-060322DL



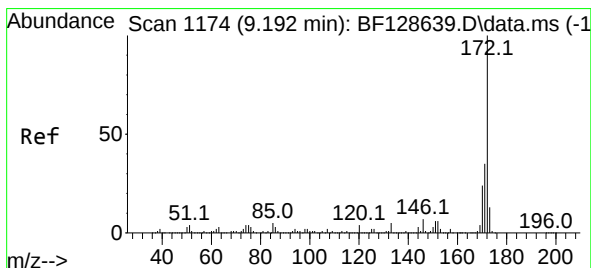
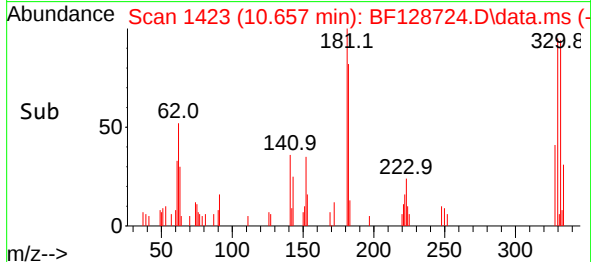
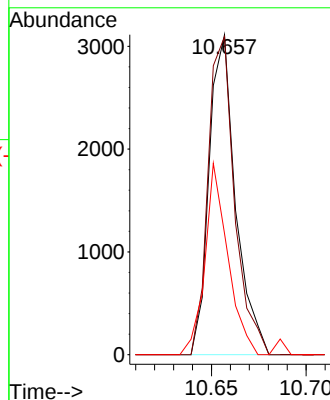
Tgt Ion:330 Resp: 3025

Ion Ratio Lower Upper

330 100

332 99.7 76.8 115.2

141 51.9 28.0 42.0#



#45

2-Fluorobiphenyl

Concen: 2.287 ng

RT: 9.180 min Scan# 1172

Delta R.T. -0.012 min

Lab File: BF128724.D

Acq: 07 Jun 2022 19:16

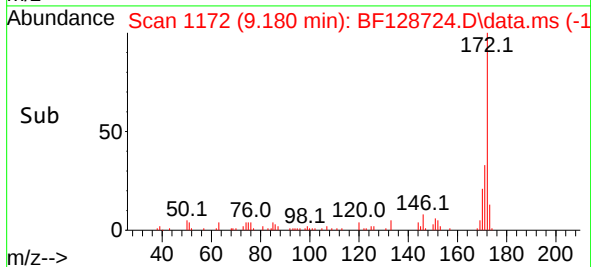
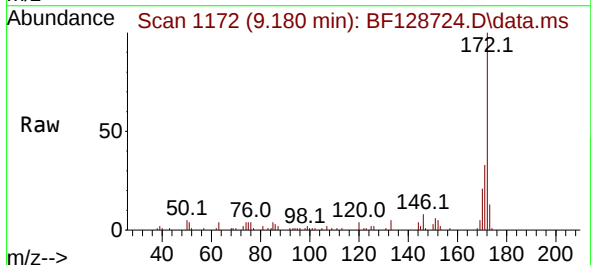
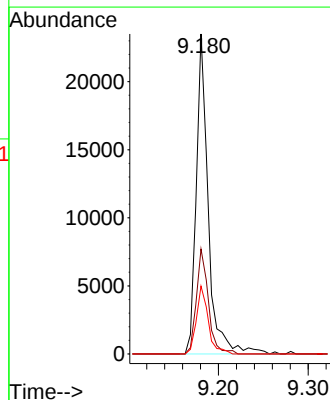
Tgt Ion:172 Resp: 21858

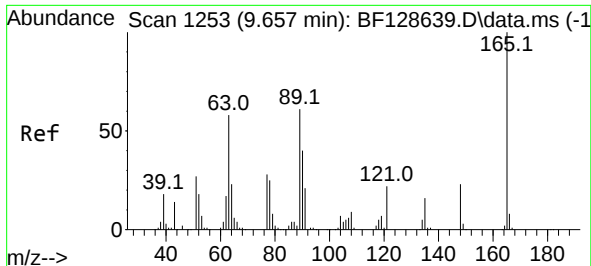
Ion Ratio Lower Upper

172 100

171 32.8 28.8 43.2

170 21.2 19.8 29.8

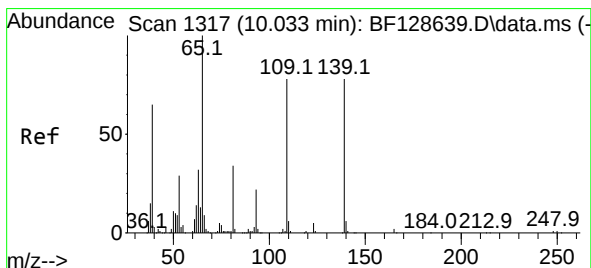
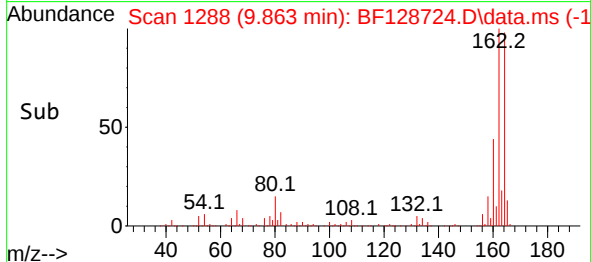
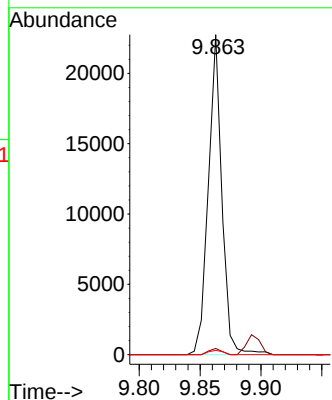
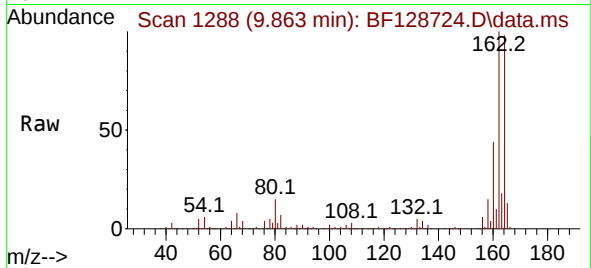




#51
2,6-Dinitrotoluene
Concen: 9.723 ng
RT: 9.863 min Scan# 11
Delta R.T. 0.206 min
Lab File: BF128724.D
Acq: 07 Jun 2022 19:16

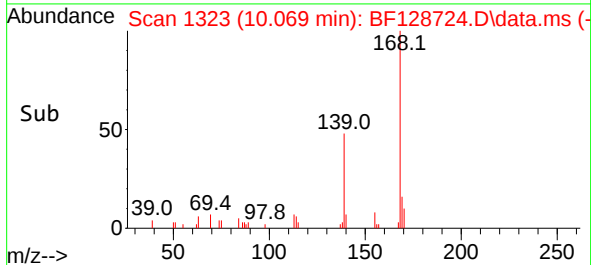
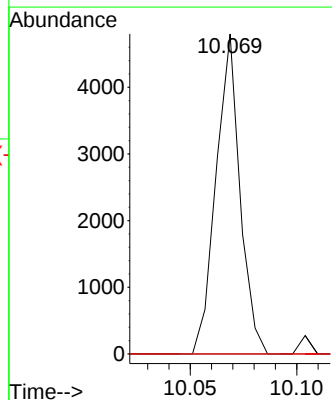
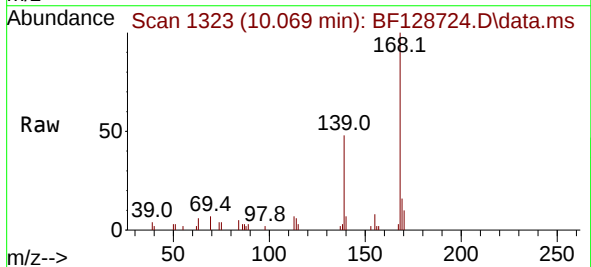
Instrument :
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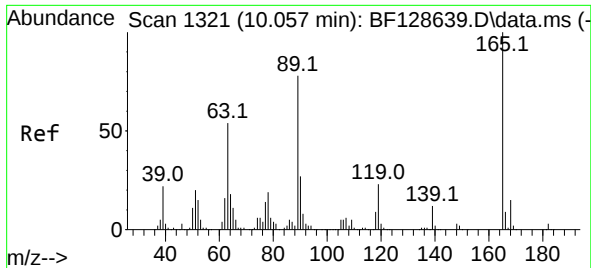
Tgt Ion:165 Resp: 17586
Ion Ratio Lower Upper
165 100
63 1.9 44.9 67.3#
89 1.4 43.6 65.4#



#56
4-Nitrophenol
Concen: 2.634 ng
RT: 10.069 min Scan# 1323
Delta R.T. 0.035 min
Lab File: BF128724.D
Acq: 07 Jun 2022 19:16

Tgt Ion:139 Resp: 3748
Ion Ratio Lower Upper
139 100
109 0.0 50.7 90.7#
65 0.0 74.5 114.5#

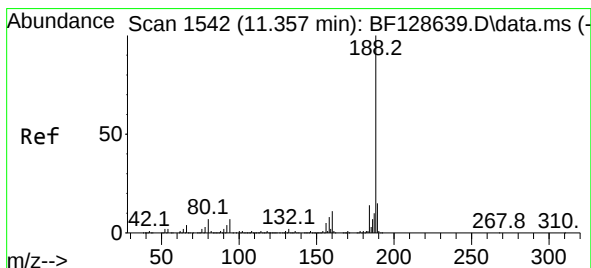
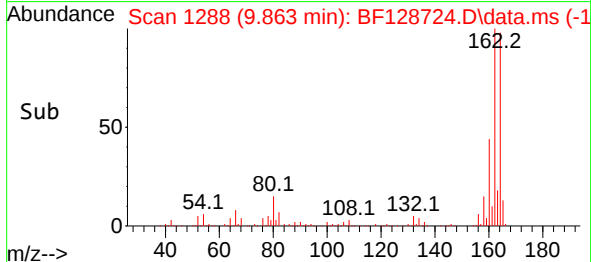
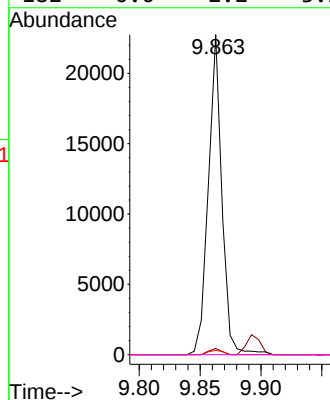
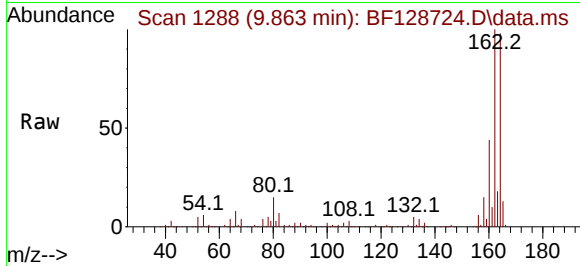




#57
2,4-Dinitrotoluene
Concen: 7.285 ng
RT: 9.863 min Scan# 11
Delta R.T. -0.194 min
Lab File: BF128724.D
Acq: 07 Jun 2022 19:16

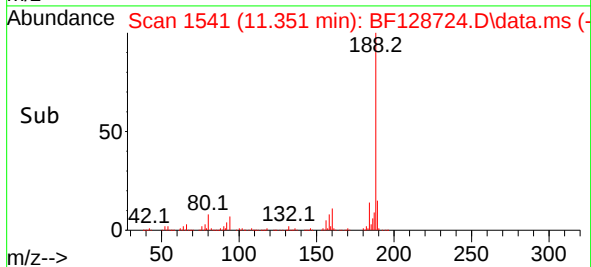
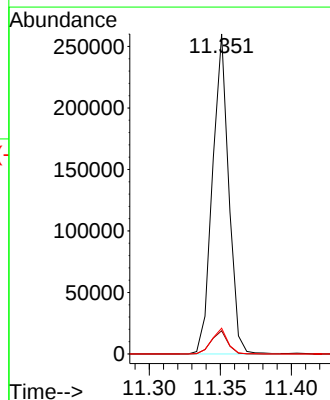
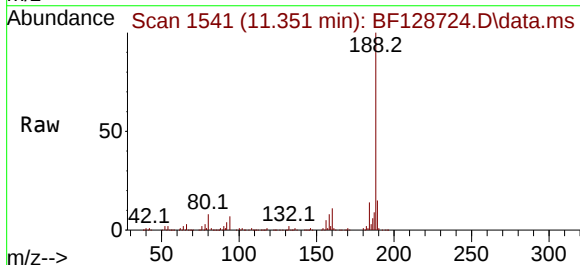
Instrument :
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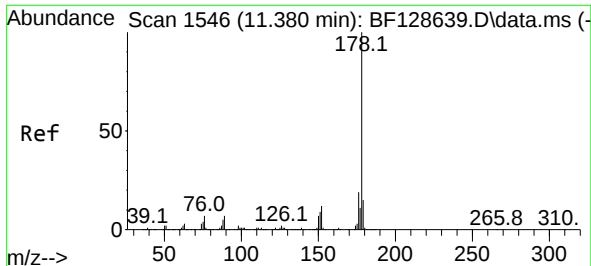
Tgt Ion:165 Resp: 17586
Ion Ratio Lower Upper
165 100
63 1.9 39.8 59.6#
89 1.4 60.2 90.2#
182 0.0 2.2 3.2#



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.351 min Scan# 1541
Delta R.T. -0.006 min
Lab File: BF128724.D
Acq: 07 Jun 2022 19:16

Tgt Ion:188 Resp: 207232
Ion Ratio Lower Upper
188 100
94 7.3 7.0 10.6
80 8.0 7.6 11.4

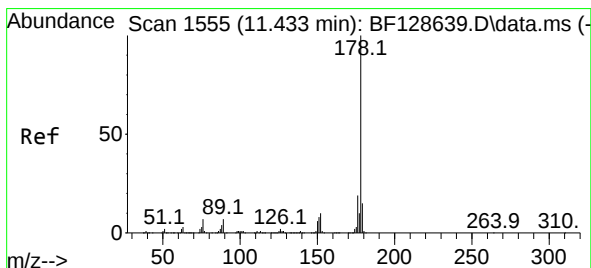
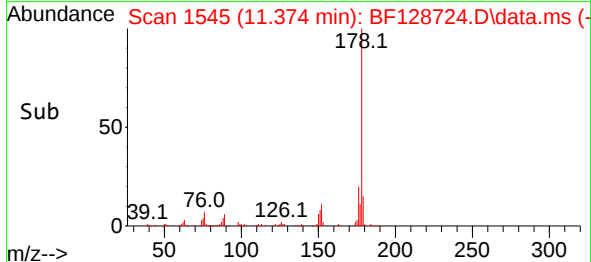
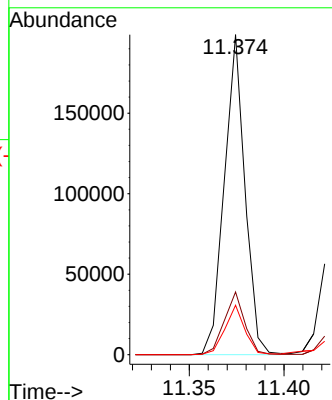
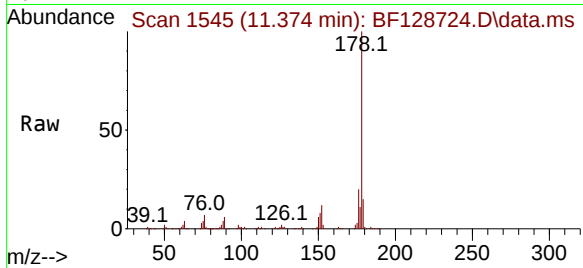




#71
Phenanthrene
Concen: 14.490 ng
RT: 11.374 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF128724.D
Acq: 07 Jun 2022 19:16

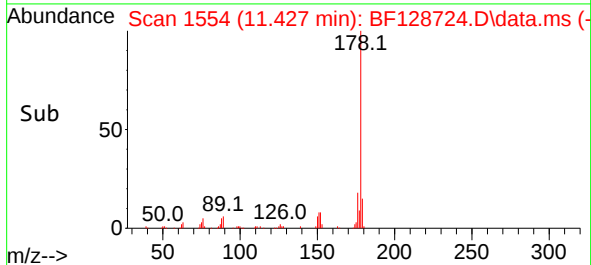
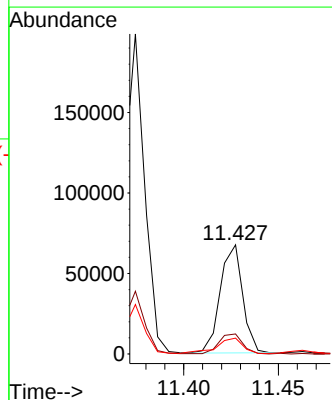
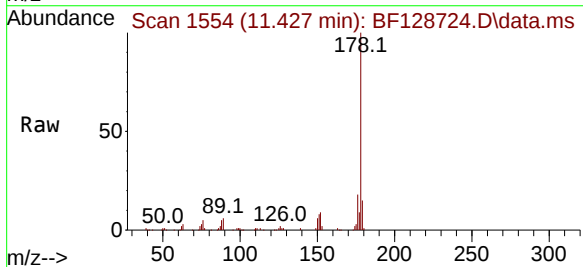
Instrument :
BNA_F
ClientSampleId :
SU-3-060322DL

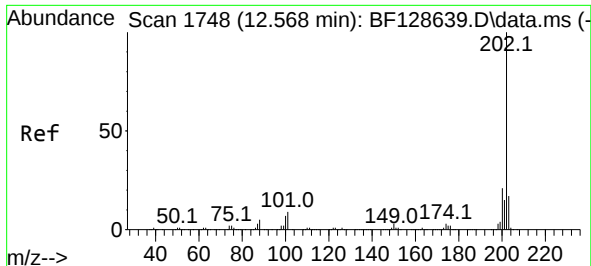
Tgt Ion:178 Resp: 150617
Ion Ratio Lower Upper
178 100
176 19.6 16.0 24.0
179 15.5 12.6 19.0



#72
Anthracene
Concen: 5.413 ng
RT: 11.427 min Scan# 1554
Delta R.T. -0.006 min
Lab File: BF128724.D
Acq: 07 Jun 2022 19:16

Tgt Ion:178 Resp: 55686
Ion Ratio Lower Upper
178 100
176 18.4 15.4 23.2
179 14.6 12.6 19.0

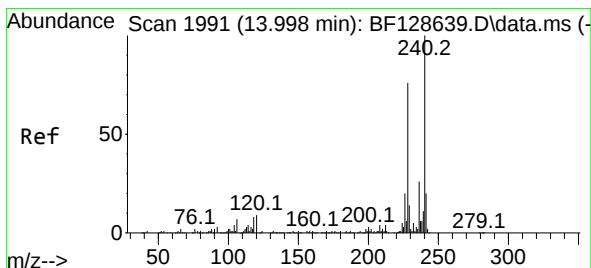
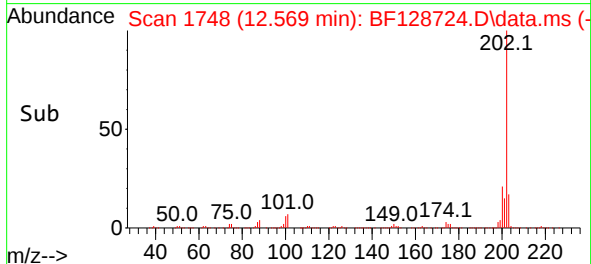
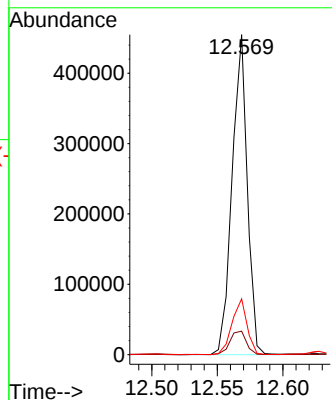
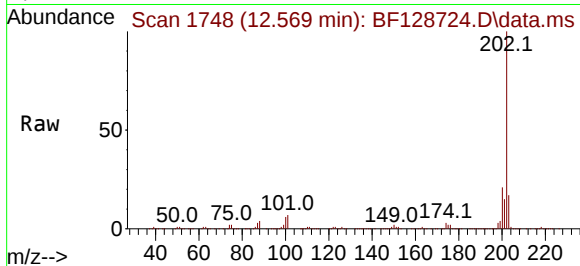




#75
Fluoranthene
Concen: 33.707 ng
RT: 12.569 min Scan# 11
Delta R.T. 0.000 min
Lab File: BF128724.D
Acq: 07 Jun 2022 19:16

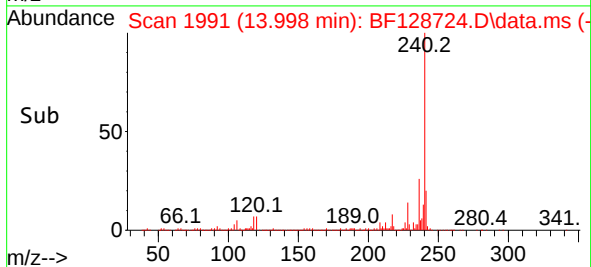
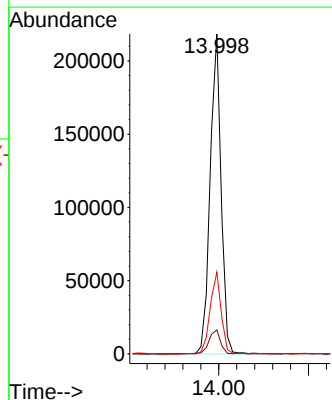
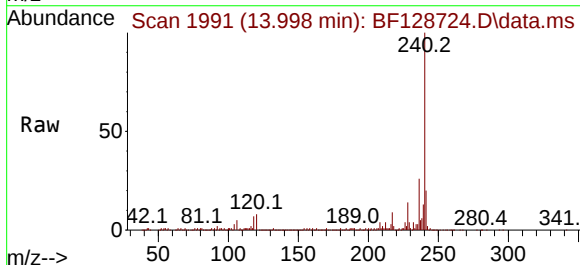
Instrument :
BNA_F
ClientSampleId :
SU-3-060322DL

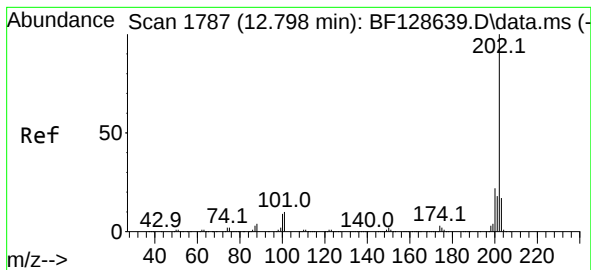
Tgt Ion:202 Resp: 366236
Ion Ratio Lower Upper
202 100
101 7.3 0.0 31.4
203 17.4 0.0 38.0



#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.998 min Scan# 1991
Delta R.T. -0.000 min
Lab File: BF128724.D
Acq: 07 Jun 2022 19:16

Tgt Ion:240 Resp: 184969
Ion Ratio Lower Upper
240 100
120 7.5 8.9 13.3#
236 25.6 20.8 31.2





#78

Pyrene

Concen: 22.992 ng

RT: 12.798 min Scan# 11

Delta R.T. 0.000 min

Lab File: BF128724.D

Acq: 07 Jun 2022 19:16

Instrument :

BNA_F

ClientSampleId :

SU-3-060322DL

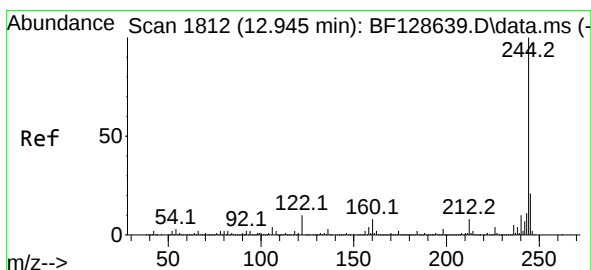
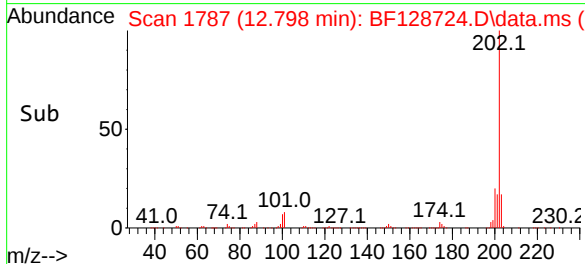
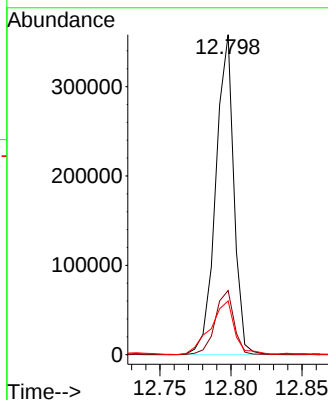
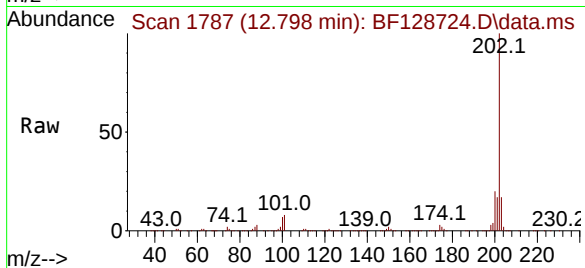
Tgt Ion:202 Resp: 316407

Ion Ratio Lower Upper

202 100

200 20.1 17.7 26.5

203 16.8 14.6 21.8



#79

Terphenyl-d14

Concen: 1.603 ng

RT: 12.933 min Scan# 1810

Delta R.T. -0.012 min

Lab File: BF128724.D

Acq: 07 Jun 2022 19:16

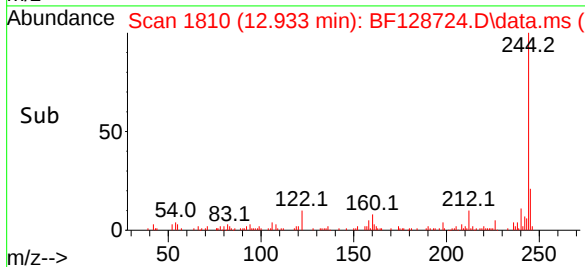
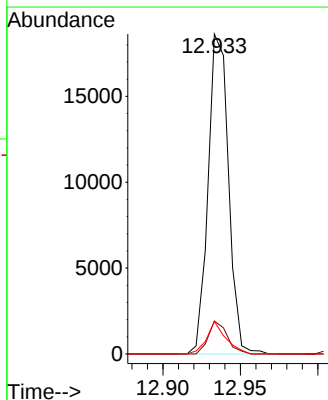
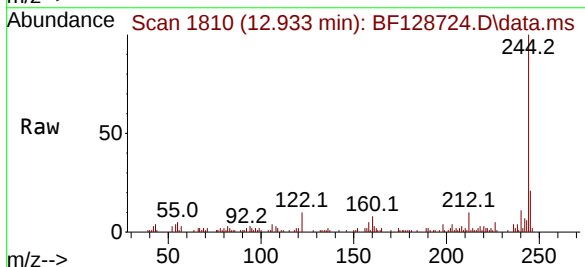
Tgt Ion:244 Resp: 17060

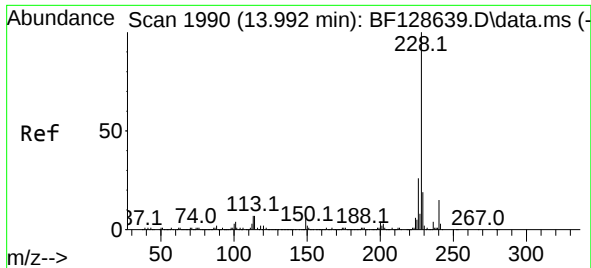
Ion Ratio Lower Upper

244 100

212 10.3 6.1 9.1#

122 10.2 8.8 13.2

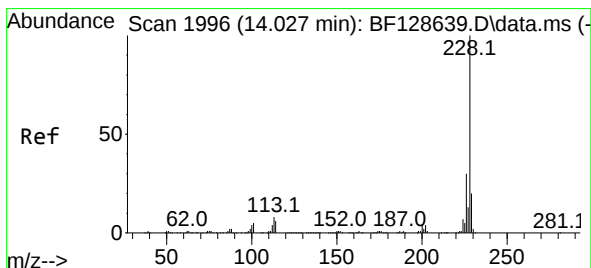
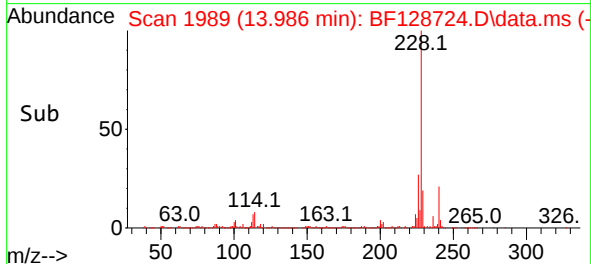
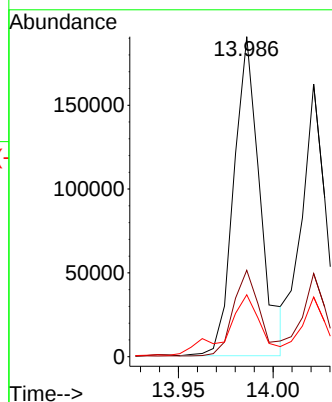
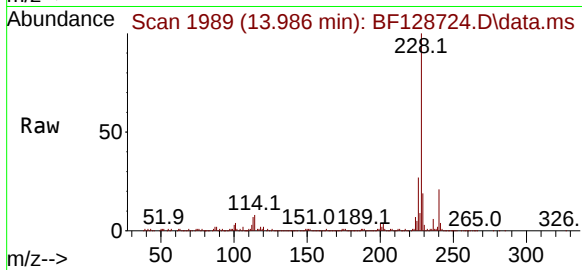




#81
Benzo(a)anthracene
Concen: 15.908 ng
RT: 13.986 min Scan# 1989
Delta R.T. -0.006 min
Lab File: BF128724.D
Acq: 07 Jun 2022 19:16

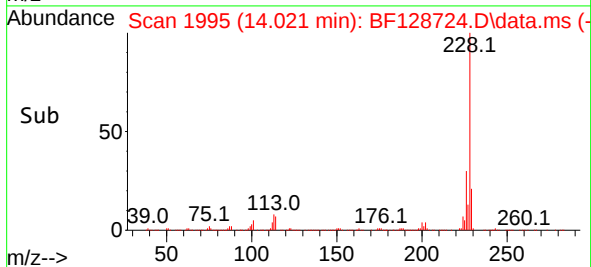
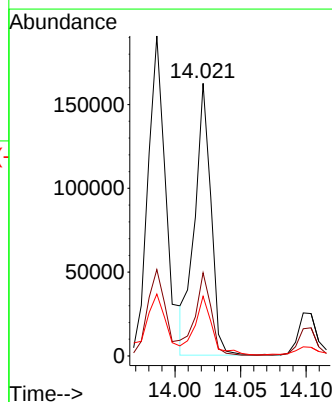
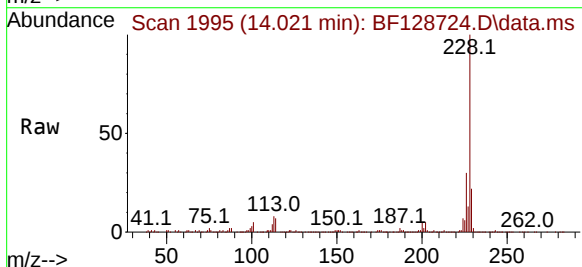
Instrument :
BNA_F
ClientSampleId :
SU-3-060322DL

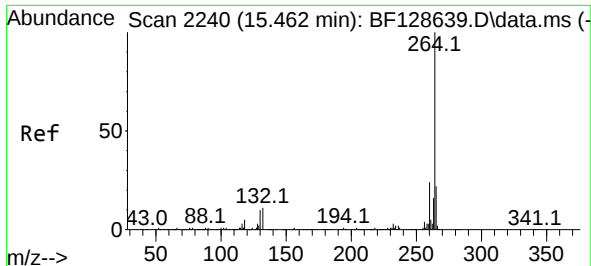
Tgt Ion:228 Resp: 183413
Ion Ratio Lower Upper
228 100
226 27.0 22.1 33.1
229 19.4 15.8 23.8



#83
Chrysene
Concen: 12.698 ng
RT: 14.021 min Scan# 1995
Delta R.T. -0.006 min
Lab File: BF128724.D
Acq: 07 Jun 2022 19:16

Tgt Ion:228 Resp: 139578
Ion Ratio Lower Upper
228 100
226 30.5 24.3 36.5
229 21.9 15.9 23.9

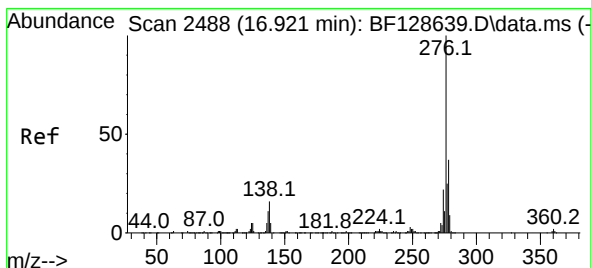
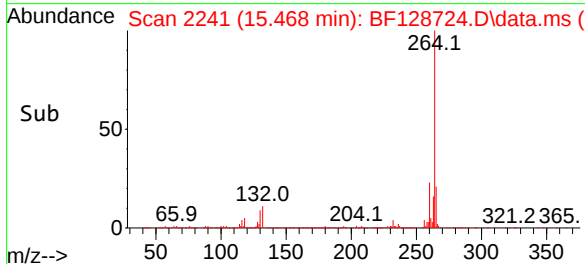
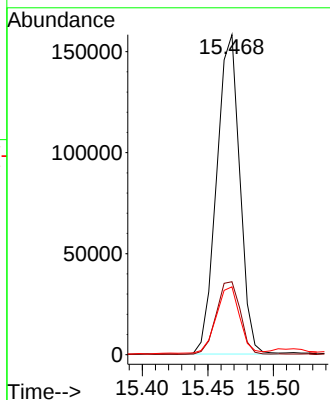
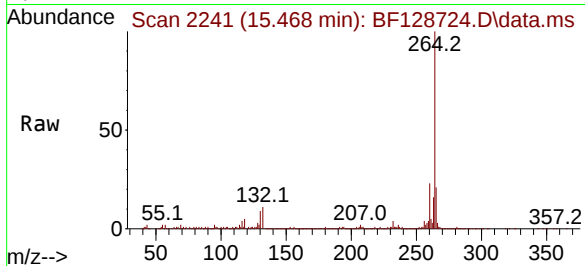




#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.468 min Scan# 21
 Delta R.T. 0.006 min
 Lab File: BF128724.D
 Acq: 07 Jun 2022 19:16

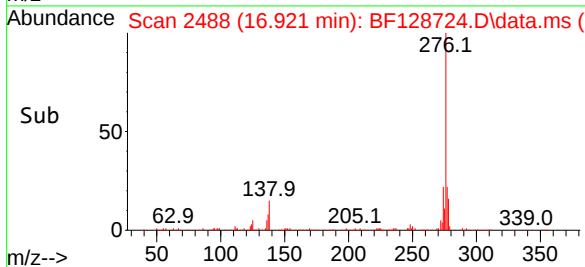
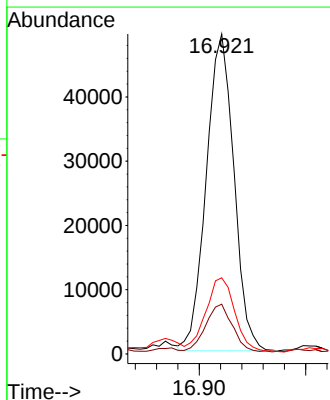
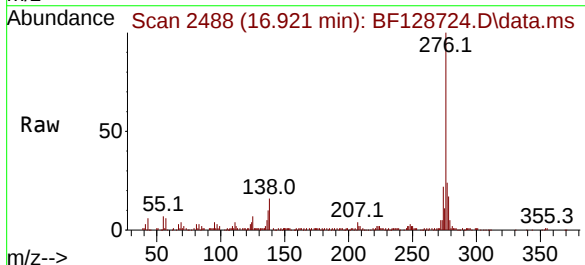
Instrument :
 BNA_F
 ClientSampleId :
 SU-3-060322DL

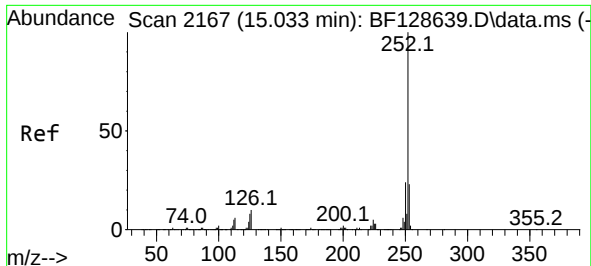
Tgt Ion:264 Resp: 193830
 Ion Ratio Lower Upper
 264 100
 260 22.8 18.4 27.6
 265 21.2 17.2 25.8



#87
 Indeno(1,2,3-cd)pyrene
 Concen: 7.601 ng
 RT: 16.921 min Scan# 2488
 Delta R.T. 0.000 min
 Lab File: BF128724.D
 Acq: 07 Jun 2022 19:16

Tgt Ion:276 Resp: 88804
 Ion Ratio Lower Upper
 276 100
 138 14.6 21.1 31.7#
 277 24.9 20.3 30.5

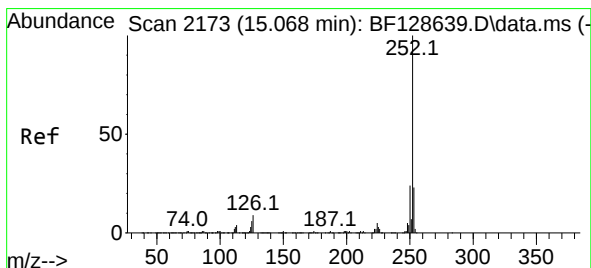
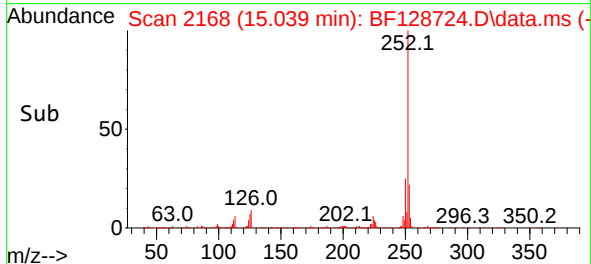
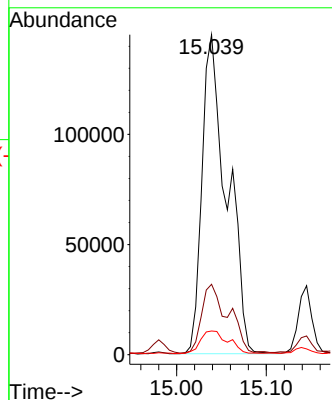
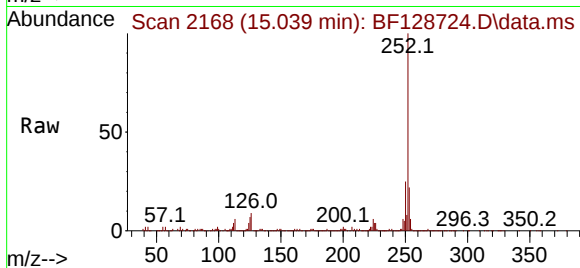




#88
Benzo(b)fluoranthene
Concen: 22.564 ng
RT: 15.039 min Scan# 2167
Delta R.T. 0.006 min
Lab File: BF128724.D
Acq: 07 Jun 2022 19:16

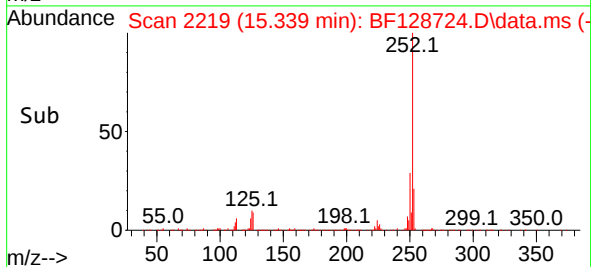
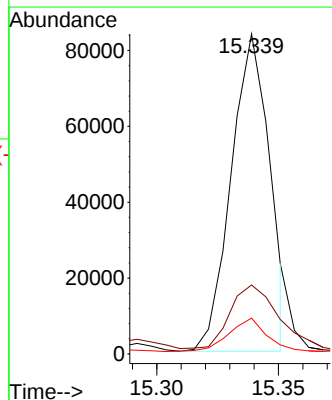
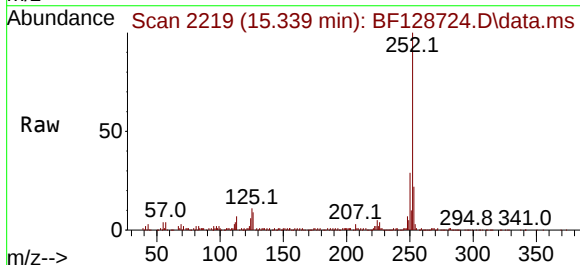
Instrument :
BNA_F
ClientSampleId :
SU-3-060322DL

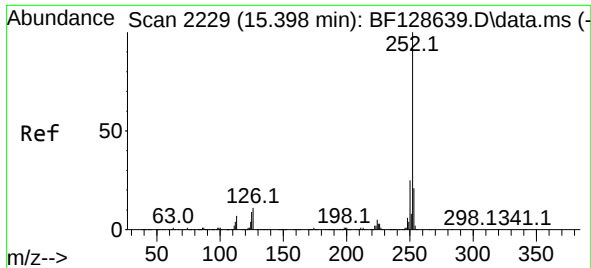
Tgt Ion:252 Resp: 279460
Ion Ratio Lower Upper
252 100
253 22.0 17.7 26.5
125 7.4 8.0 12.0#



#89
Benzo(k)fluoranthene
Concen: 7.945 ng
RT: 15.339 min Scan# 2219
Delta R.T. 0.271 min
Lab File: BF128724.D
Acq: 07 Jun 2022 19:16

Tgt Ion:252 Resp: 92562
Ion Ratio Lower Upper
252 100
253 21.6 17.8 26.6
125 11.2 8.3 12.5

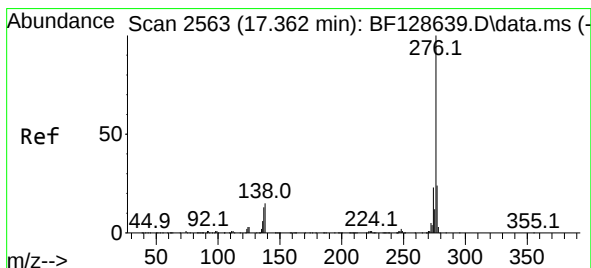
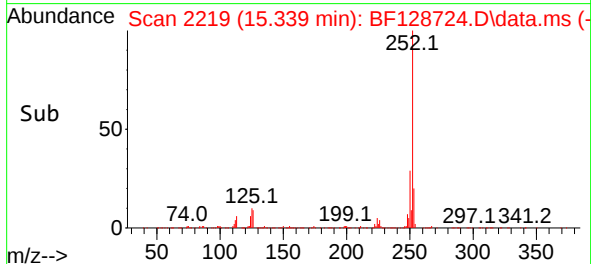
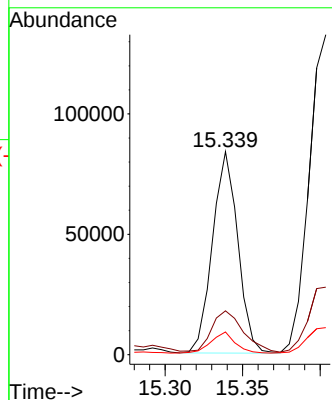
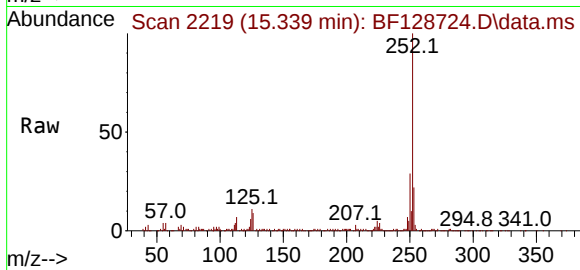




#90
Benzo(a)pyrene
Concen: 9.781 ng
RT: 15.339 min Scan# 211
Delta R.T. -0.059 min
Lab File: BF128724.D
Acq: 07 Jun 2022 19:16

Instrument :
BNA_F
ClientSampleId :
SU-3-060322DL

Tgt Ion:252 Resp: 95213
Ion Ratio Lower Upper
252 100
253 21.6 17.0 25.6
125 11.2 8.8 13.2



#92
Benzo(g,h,i)perylene
Concen: 8.252 ng
RT: 17.362 min Scan# 2563
Delta R.T. 0.000 min
Lab File: BF128724.D
Acq: 07 Jun 2022 19:16

Tgt Ion:276 Resp: 79253
Ion Ratio Lower Upper
276 100
277 25.7 19.1 28.7
138 15.1 18.0 27.0#

