

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF060822\
 Data File : BF128735.D
 Acq On : 08 Jun 2022 15:01
 Operator : CG\JU
 Sample : N3197-03DL 20X
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SU-4-060322DL

Quant Time: Jun 08 15:21:00 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF060222.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Jun 08 14:28:39 2022
 Response via : Initial Calibration

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

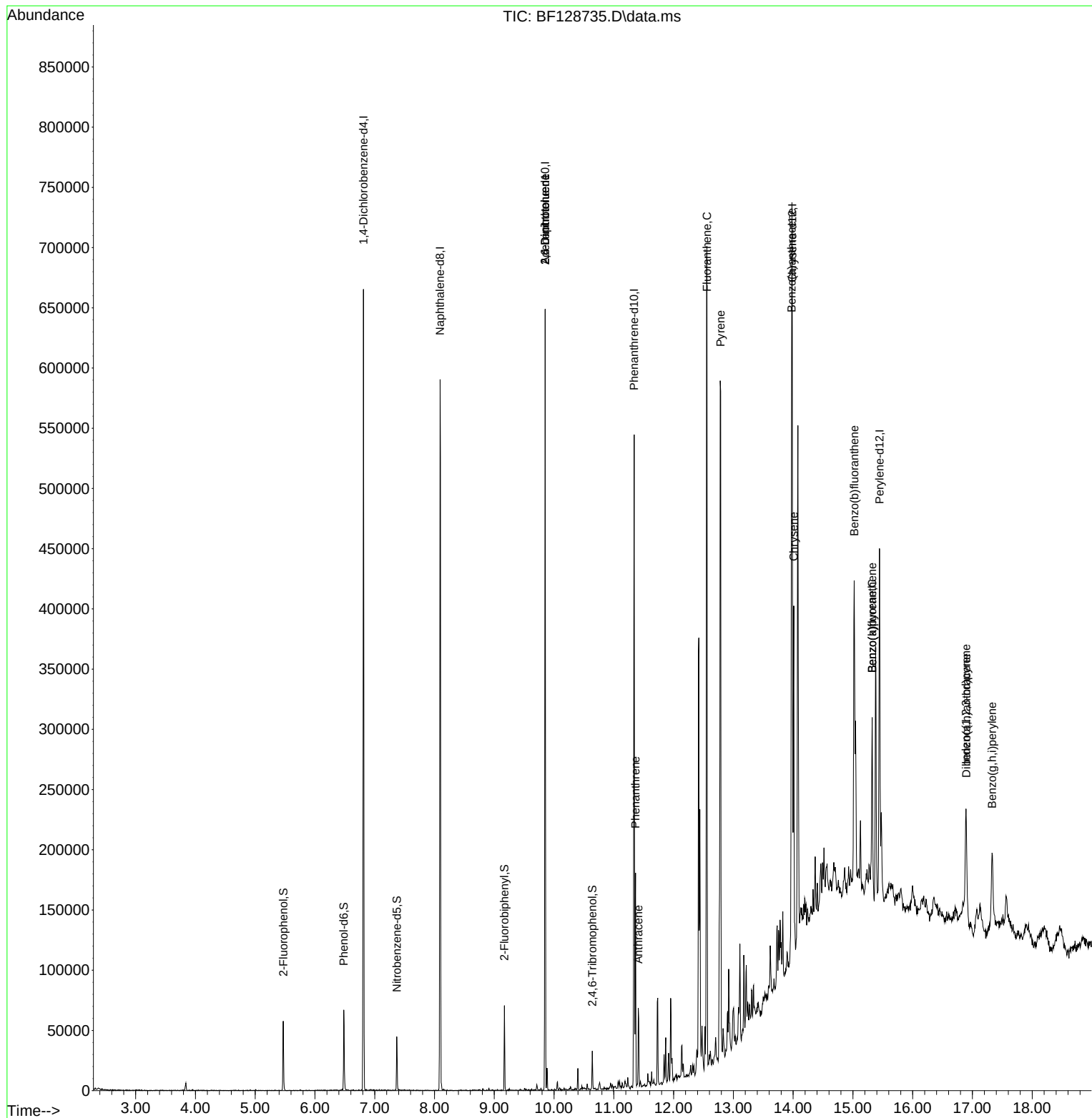
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.810	152	81243	20.000	ng	0.00
21) Naphthalene-d8	8.092	136	237226	20.000	ng	# 0.00
39) Acenaphthene-d10	9.851	164	111966	20.000	ng	0.00
64) Phenanthrene-d10	11.339	188	182155	20.000	ng	# 0.00
76) Chrysene-d12	13.986	240	165167	20.000	ng	# 0.00
86) Perylene-d12	15.445	264	130888	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.469	112	12577	2.466	ng	0.01
7) Phenol-d6	6.481	99	17606	2.828	ng	0.00
23) Nitrobenzene-d5	7.369	82	11049	2.169	ng	-0.01
42) 2,4,6-Tribromophenol	10.639	330	2686	2.030	ng	-0.01
45) 2-Fluorobiphenyl	9.169	172	17981	2.250	ng	0.00
79) Terphenyl-d14	12.922	244	18265	1.922	ng	-0.01
Target Compounds						Qvalue
51) 2,6-Dinitrotoluene	9.851	165	14752	9.753	ng	# 25
57) 2,4-Dinitrotoluene	9.851	165	14752	7.308	ng	# 21
71) Phenanthrene	11.363	178	59058	6.464	ng	98
72) Anthracene	11.410	178	24116	2.667	ng	98
75) Fluoranthene	12.557	202	283254	29.659	ng	96
78) Pyrene	12.786	202	252375	20.538	ng	99
81) Benzo(a)anthracene	13.974	228	137742	13.379	ng	99
83) Chrysene	14.010	228	113384	11.552	ng	100
87) Indeno(1,2,3-cd)pyrene	16.892	276	53844	6.825	ng	# 89
88) Benzo(b)fluoranthene	15.021	252	186764	22.331	ng	# 95
89) Benzo(k)fluoranthene	15.321	252	52813	6.713	ng	99
90) Benzo(a)pyrene	15.321	252	58817	8.948	ng	98
91) Dibenzo(a,h)anthracene	16.898	278	13373	2.044	ng	92
92) Benzo(g,h,i)perylene	17.327	276	50259	7.750	ng	97

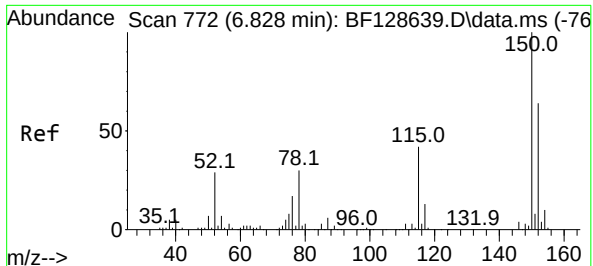
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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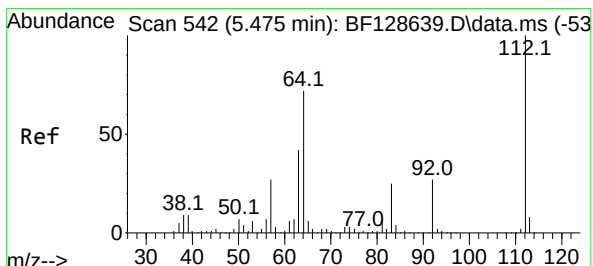
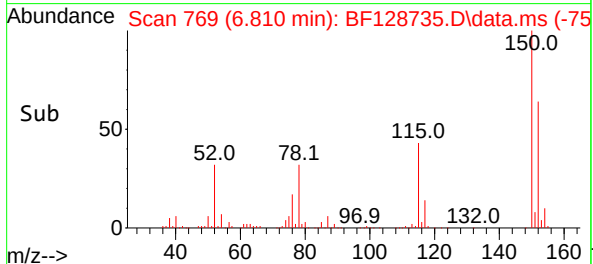
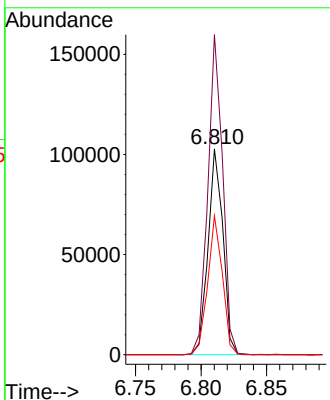
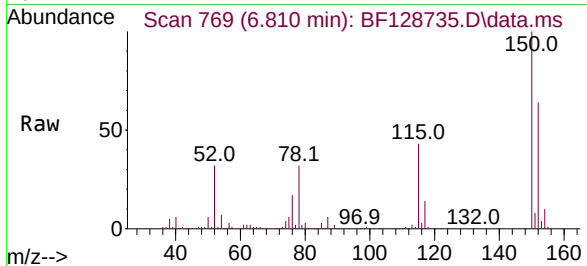




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.810 min Scan# 70
Delta R.T. 0.000 min
Lab File: BF128735.D
Acq: 08 Jun 2022 15:01

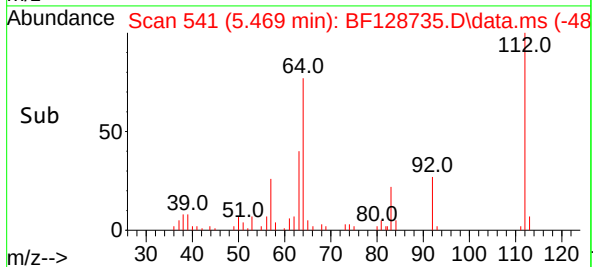
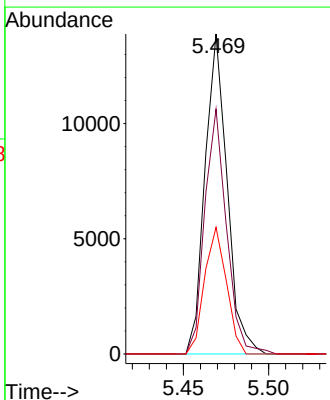
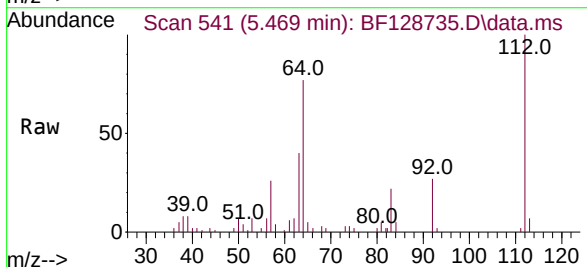
Instrument :
BNA_F
ClientSampleId :
SU-4-060322DL

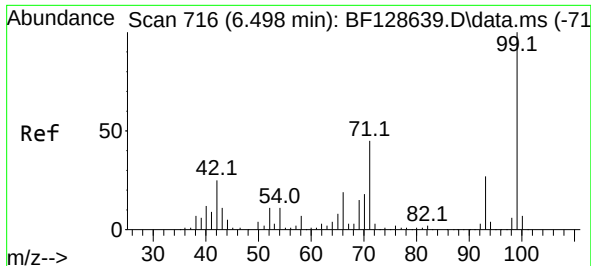
Tgt Ion:152 Resp: 81243
Ion Ratio Lower Upper
152 100
150 155.5 123.7 185.5
115 67.5 49.9 74.9



#5
2-Fluorophenol
Concen: 2.466 ng
RT: 5.469 min Scan# 541
Delta R.T. 0.012 min
Lab File: BF128735.D
Acq: 08 Jun 2022 15:01

Tgt Ion:112 Resp: 12577
Ion Ratio Lower Upper
112 100
64 76.5 53.3 79.9
63 39.6 28.0 42.0

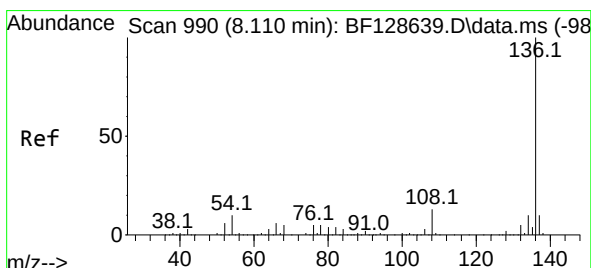
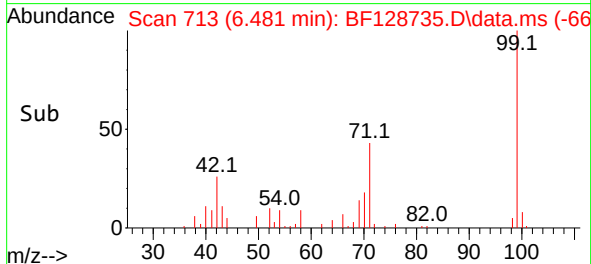
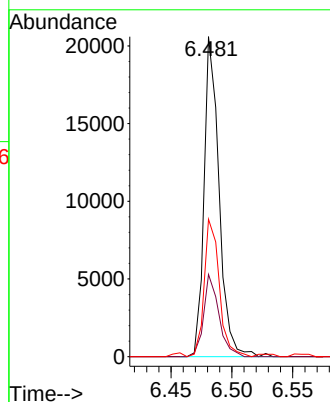
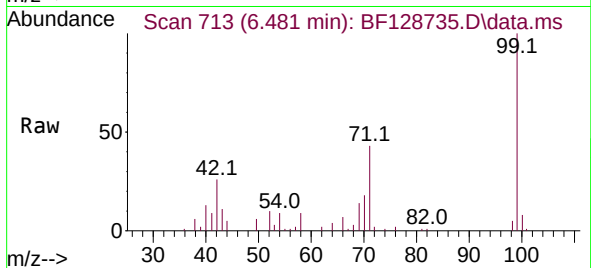




#7
Phenol-d6
Concen: 2.828 ng
RT: 6.481 min Scan# 71
Delta R.T. -0.000 min
Lab File: BF128735.D
Acq: 08 Jun 2022 15:01

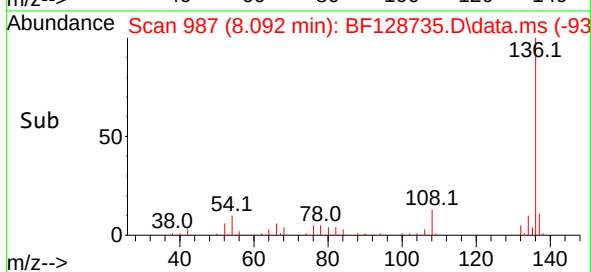
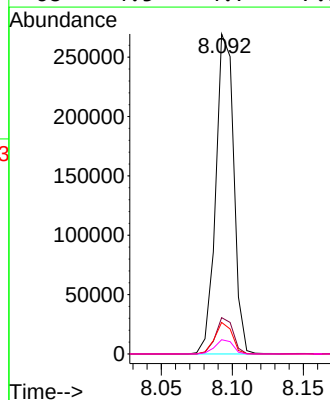
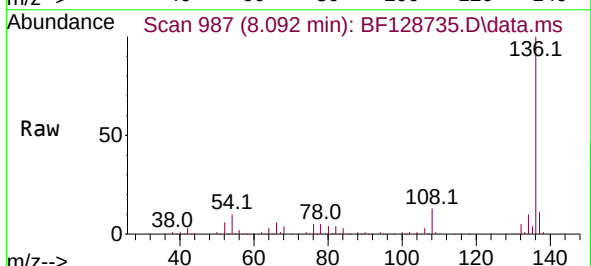
Instrument :
BNA_F
ClientSampleId :
SU-4-060322DL

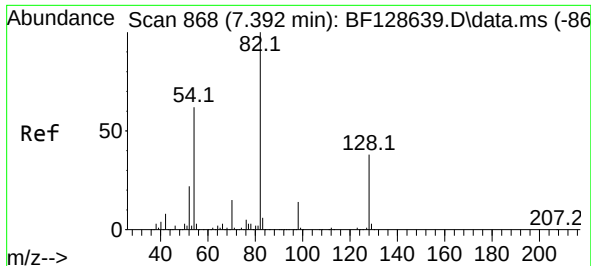
Tgt Ion: 99 Resp: 17606
Ion Ratio Lower Upper
99 100
42 25.7 17.3 25.9
71 43.0 28.9 43.3



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.092 min Scan# 987
Delta R.T. -0.006 min
Lab File: BF128735.D
Acq: 08 Jun 2022 15:01

Tgt Ion: 136 Resp: 237226
Ion Ratio Lower Upper
136 100
137 11.4 8.8 13.2
54 9.8 7.5 11.3
68 4.5 4.7 7.1#





#23

Nitrobenzene-d5

Concen: 2.169 ng

RT: 7.369 min Scan# 81

Delta R.T. -0.012 min

Lab File: BF128735.D

Acq: 08 Jun 2022 15:01

Instrument :

BNA_F

ClientSampleId :

SU-4-060322DL

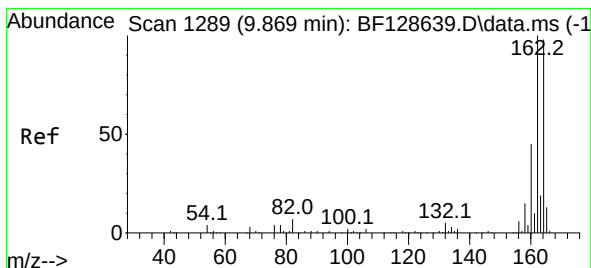
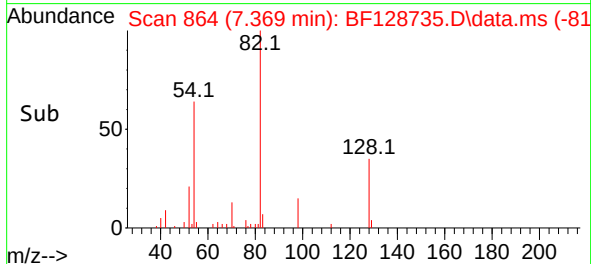
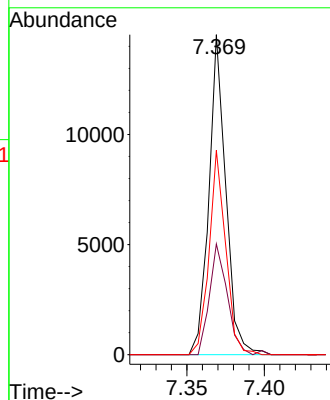
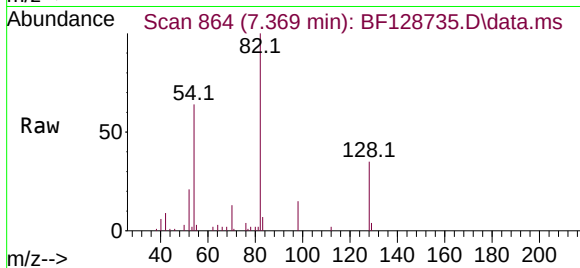
Tgt Ion: 82 Resp: 11049

Ion Ratio Lower Upper

82 100

128 34.6 34.0 51.0

54 63.9 46.9 70.3



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.851 min Scan# 1286

Delta R.T. -0.006 min

Lab File: BF128735.D

Acq: 08 Jun 2022 15:01

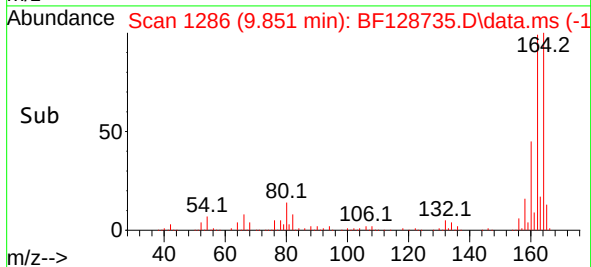
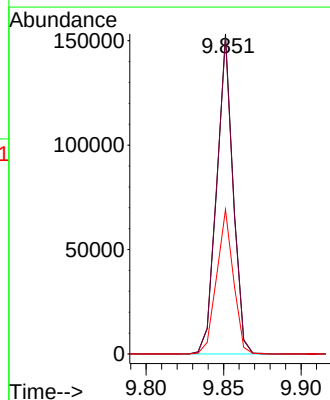
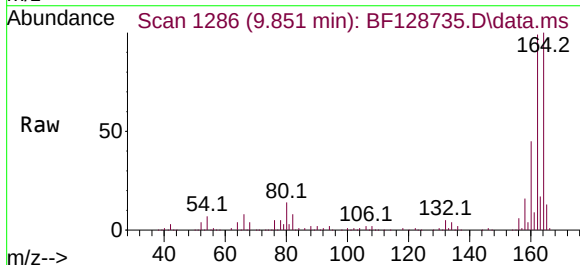
Tgt Ion:164 Resp: 111966

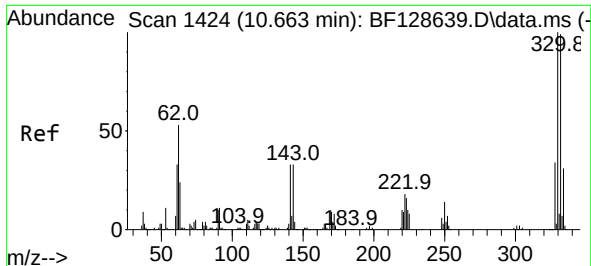
Ion Ratio Lower Upper

164 100

162 98.8 79.5 119.3

160 45.1 34.2 51.4





#42

2,4,6-Tribromophenol

Concen: 2.030 ng

RT: 10.639 min Scan# 1424

Delta R.T. -0.012 min

Lab File: BF128735.D

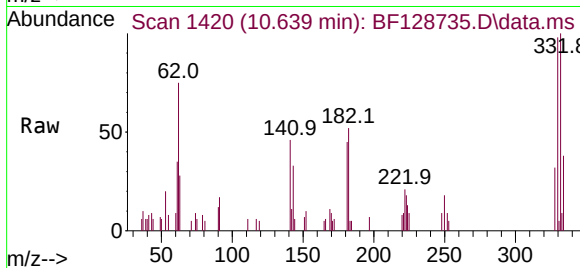
Acq: 08 Jun 2022 15:01

Instrument :

BNA_F

ClientSampleId :

SU-4-060322DL



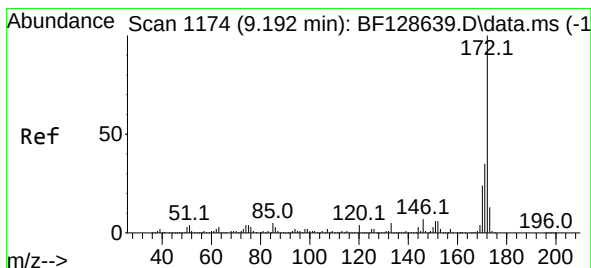
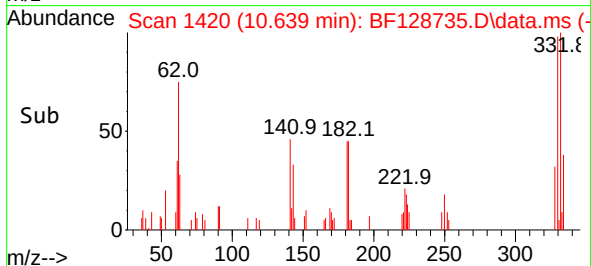
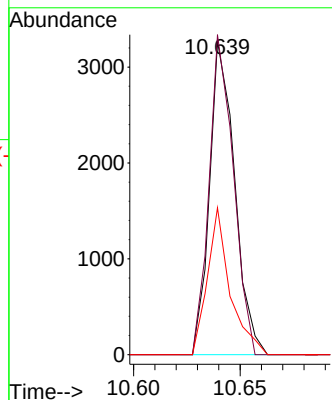
Tgt Ion:330 Resp: 2686

Ion Ratio Lower Upper

330 100

332 98.3 76.8 115.2

141 42.4 28.0 42.0#



#45

2-Fluorobiphenyl

Concen: 2.250 ng

RT: 9.169 min Scan# 1170

Delta R.T. -0.006 min

Lab File: BF128735.D

Acq: 08 Jun 2022 15:01

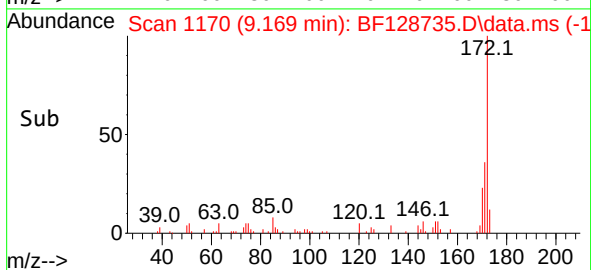
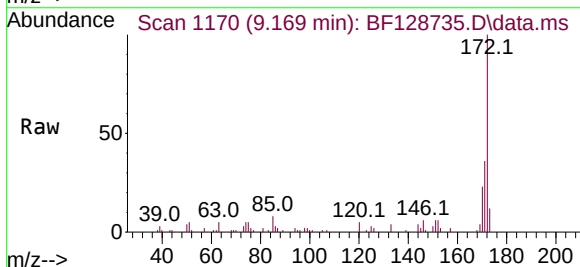
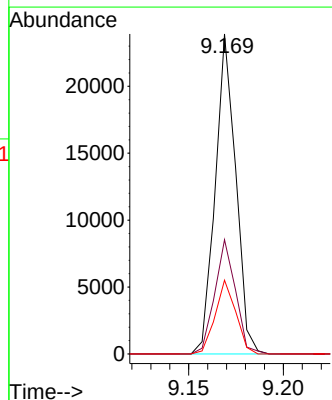
Tgt Ion:172 Resp: 17981

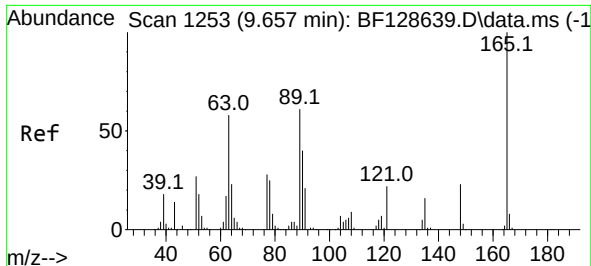
Ion Ratio Lower Upper

172 100

171 35.7 28.8 43.2

170 23.1 19.8 29.8

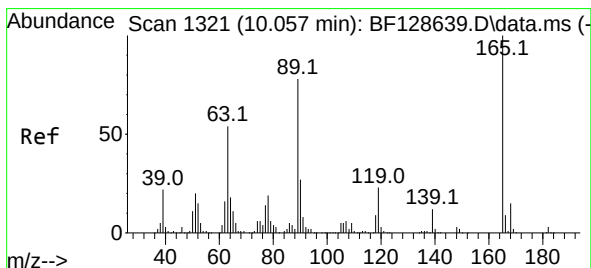
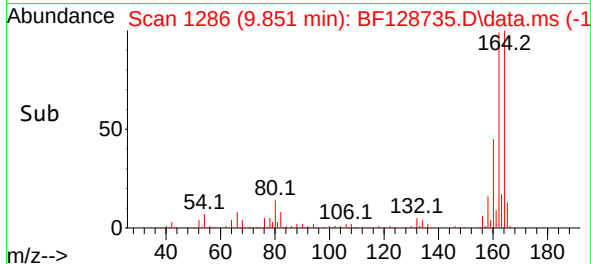
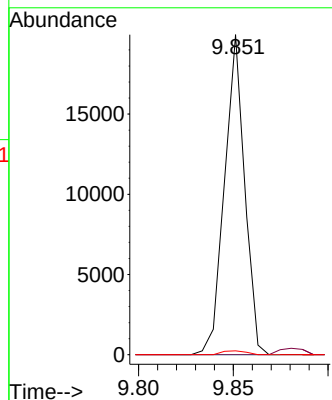
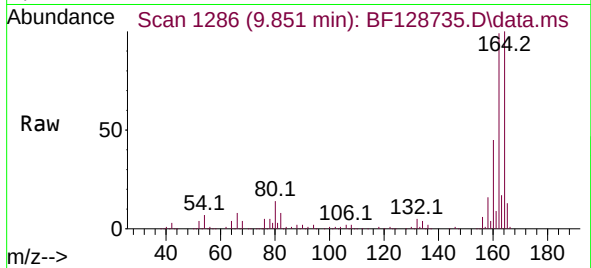




#51
2,6-Dinitrotoluene
Concen: 9.753 ng
RT: 9.851 min Scan# 1286
Delta R.T. 0.206 min
Lab File: BF128735.D
Acq: 08 Jun 2022 15:01

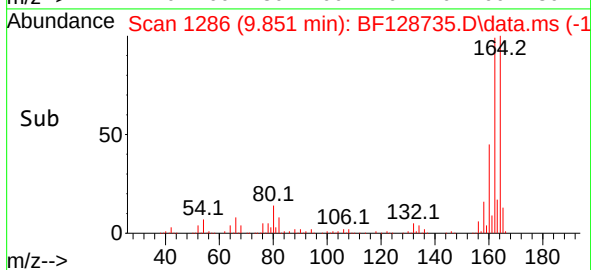
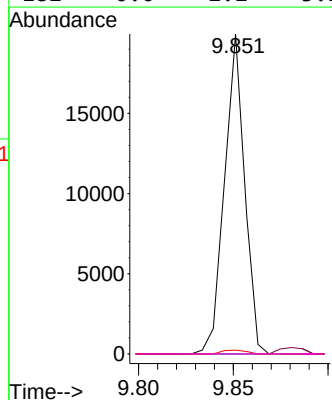
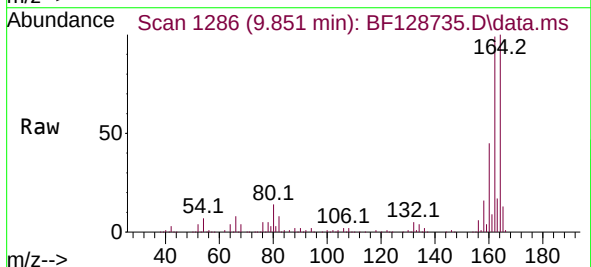
Instrument :
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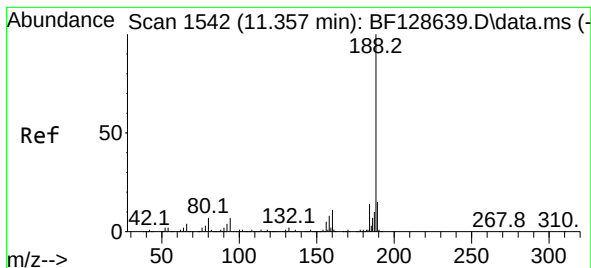
Tgt Ion:165 Resp: 14752
Ion Ratio Lower Upper
165 100
63 0.0 44.9 67.3#
89 1.2 43.6 65.4#



#57
2,4-Dinitrotoluene
Concen: 7.308 ng
RT: 9.851 min Scan# 1286
Delta R.T. -0.194 min
Lab File: BF128735.D
Acq: 08 Jun 2022 15:01

Tgt Ion:165 Resp: 14752
Ion Ratio Lower Upper
165 100
63 0.0 39.8 59.6#
89 1.2 60.2 90.2#
182 0.0 2.2 3.2#





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.339 min Scan# 1

Delta R.T. -0.000 min

Lab File: BF128735.D

Acq: 08 Jun 2022 15:01

Instrument :

BNA_F

ClientSampleId :

SU-4-060322DL

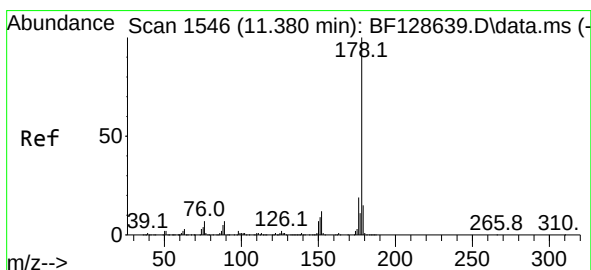
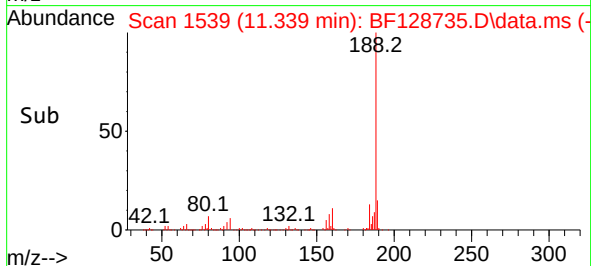
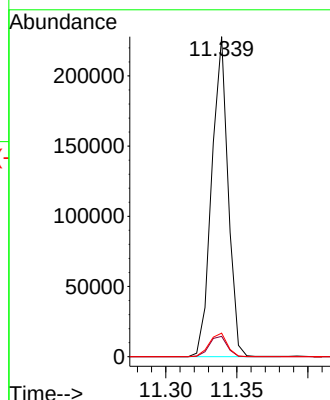
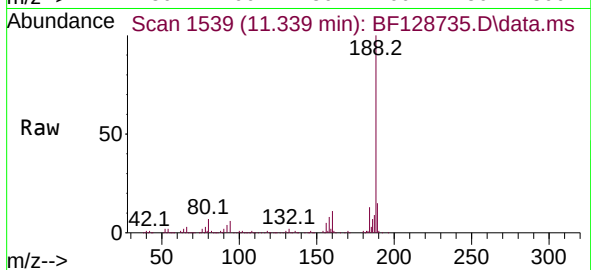
Tgt Ion:188 Resp: 182155

Ion Ratio Lower Upper

188 100

94 6.3 7.0 10.6#

80 7.4 7.6 11.4#



#71

Phenanthrene

Concen: 6.464 ng

RT: 11.363 min Scan# 1543

Delta R.T. -0.006 min

Lab File: BF128735.D

Acq: 08 Jun 2022 15:01

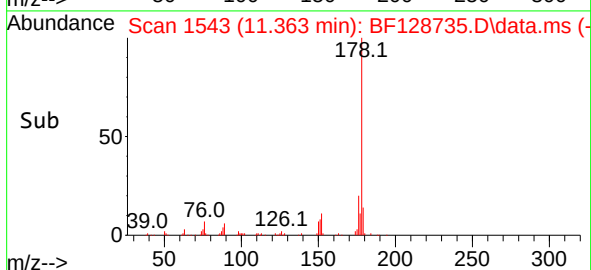
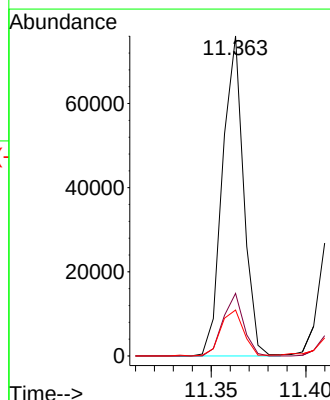
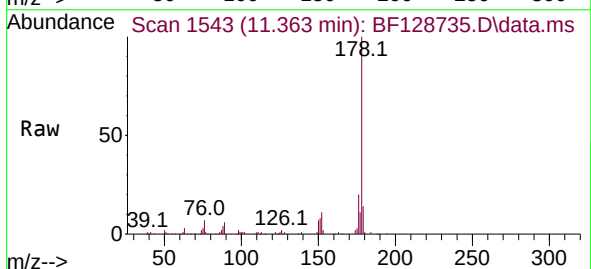
Tgt Ion:178 Resp: 59058

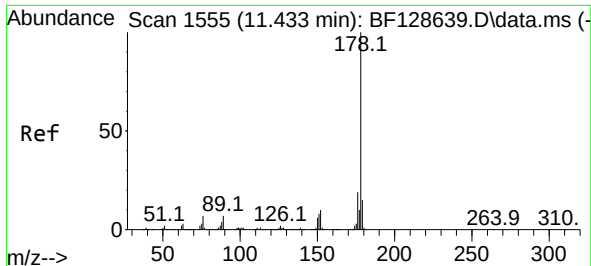
Ion Ratio Lower Upper

178 100

176 19.6 16.0 24.0

179 14.4 12.6 19.0

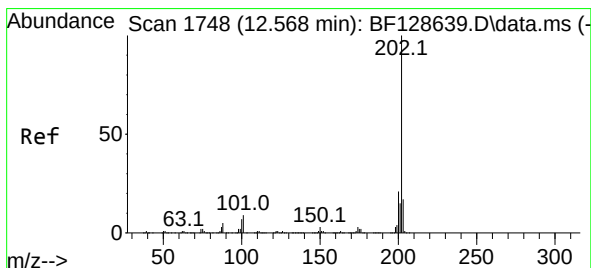
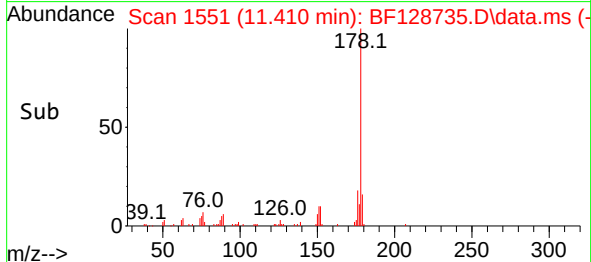
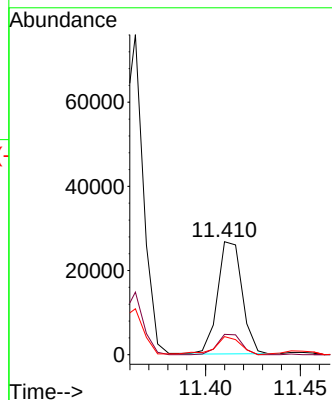
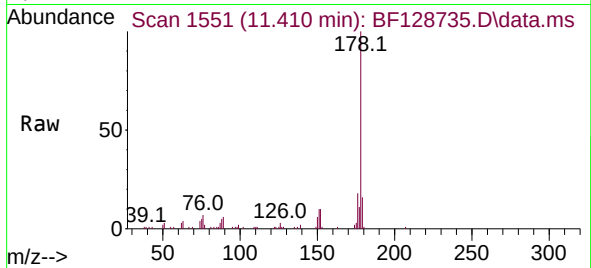




#72
 Anthracene
 Concen: 2.667 ng
 RT: 11.410 min Scan# 11
 Delta R.T. -0.012 min
 Lab File: BF128735.D
 Acq: 08 Jun 2022 15:01

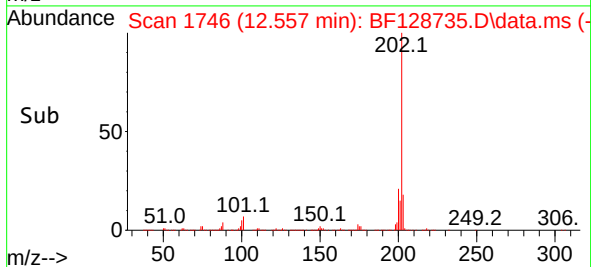
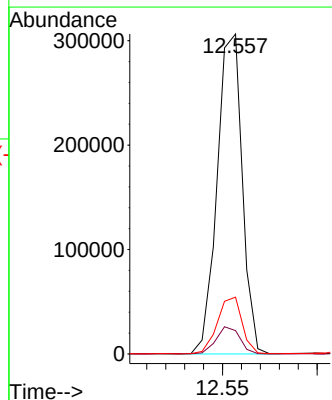
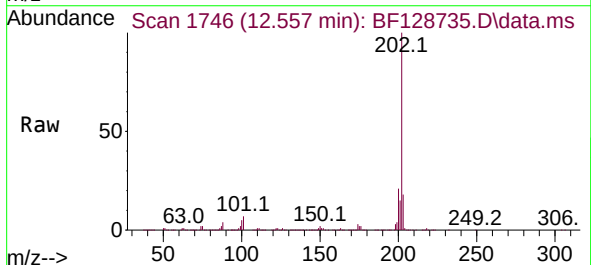
Instrument :
 BNA_F
 ClientSampleId :
 SU-4-060322DL

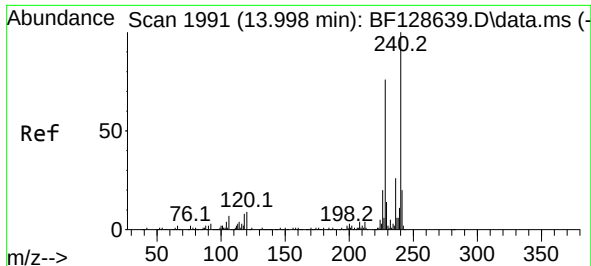
Tgt Ion:178 Resp: 24116
 Ion Ratio Lower Upper
 178 100
 176 18.0 15.4 23.2
 179 16.0 12.6 19.0



#75
 Fluoranthene
 Concen: 29.659 ng
 RT: 12.557 min Scan# 1746
 Delta R.T. -0.000 min
 Lab File: BF128735.D
 Acq: 08 Jun 2022 15:01

Tgt Ion:202 Resp: 283254
 Ion Ratio Lower Upper
 202 100
 101 7.3 0.0 31.4
 203 17.8 0.0 38.0

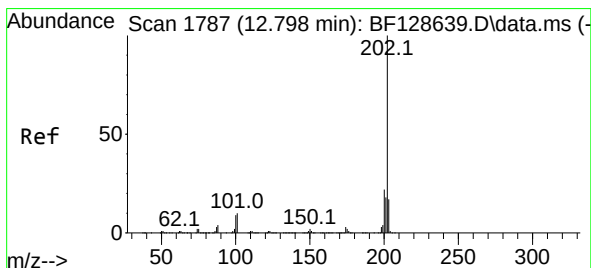
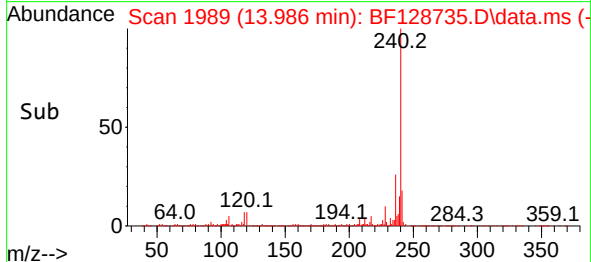
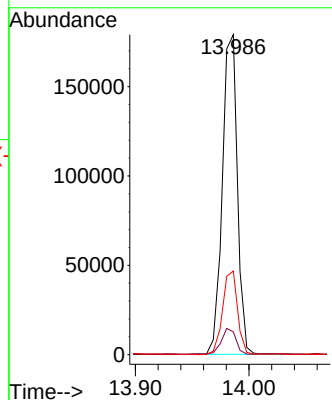
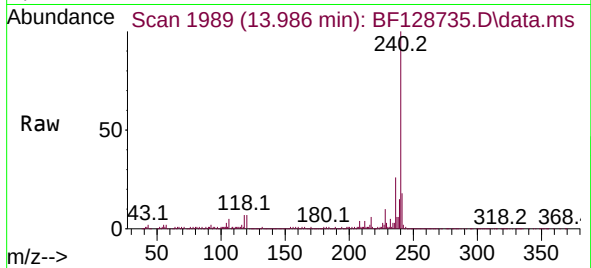




#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.986 min Scan# 1991
Delta R.T. -0.000 min
Lab File: BF128735.D
Acq: 08 Jun 2022 15:01

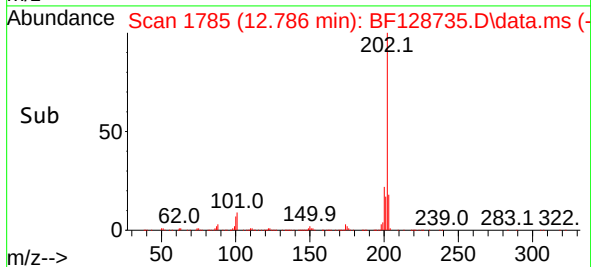
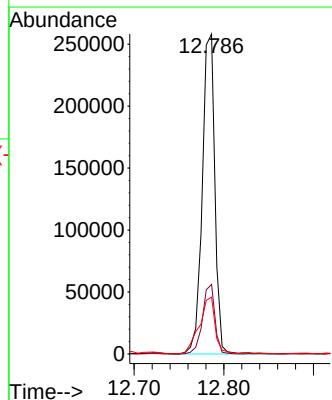
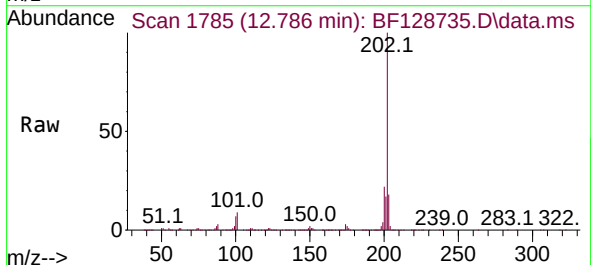
Instrument :
BNA_F
ClientSampleId :
SU-4-060322DL

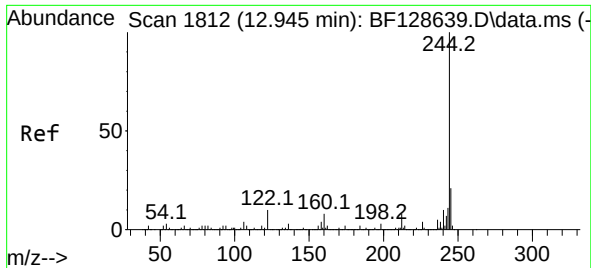
Tgt Ion:240 Resp: 165167
Ion Ratio Lower Upper
240 100
120 7.2 8.9 13.3#
236 26.2 20.8 31.2



#78
Pyrene
Concen: 20.538 ng
RT: 12.786 min Scan# 1785
Delta R.T. -0.000 min
Lab File: BF128735.D
Acq: 08 Jun 2022 15:01

Tgt Ion:202 Resp: 252375
Ion Ratio Lower Upper
202 100
200 21.7 17.7 26.5
203 17.7 14.6 21.8

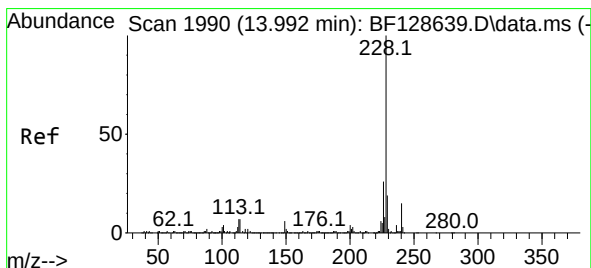
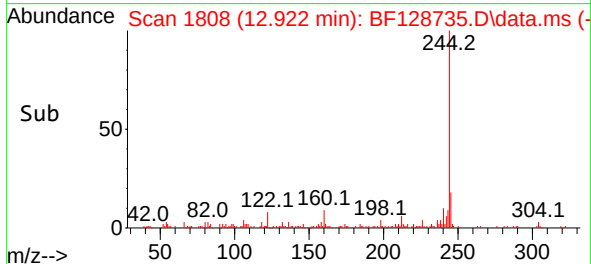
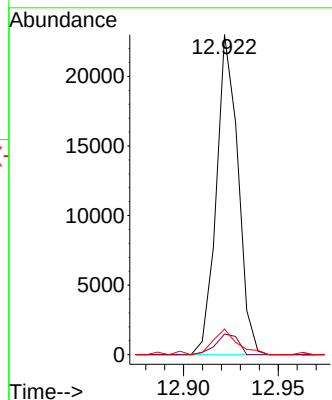
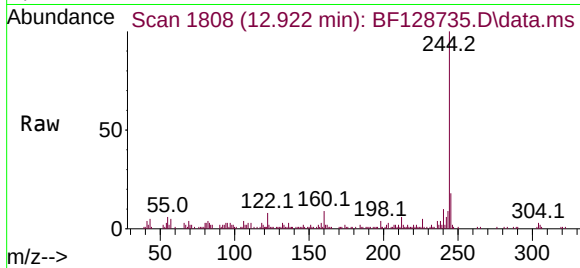




#79
 Terphenyl-d14
 Concen: 1.922 ng
 RT: 12.922 min Scan# 1808
 Delta R.T. -0.012 min
 Lab File: BF128735.D
 Acq: 08 Jun 2022 15:01

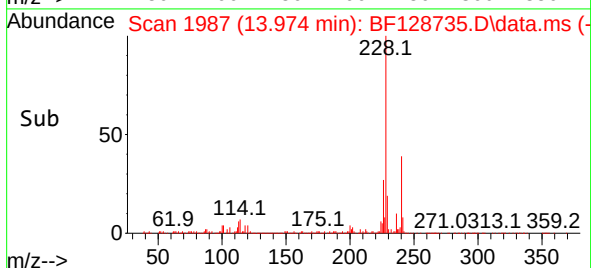
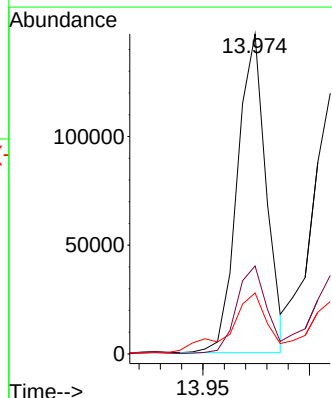
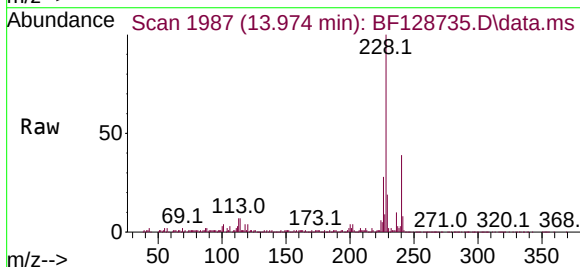
Instrument :
 BNA_F
 ClientSampleId :
 SU-4-060322DL

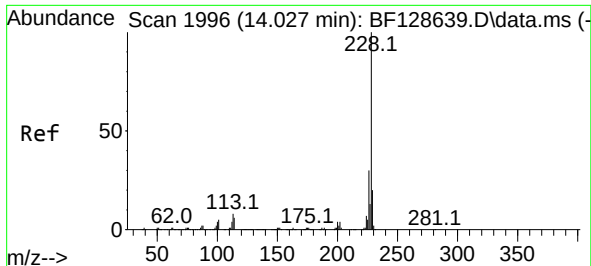
Tgt Ion:244 Resp: 18265
 Ion Ratio Lower Upper
 244 100
 212 6.4 6.1 9.1
 122 8.0 8.8 13.2#



#81
 Benzo(a)anthracene
 Concen: 13.379 ng
 RT: 13.974 min Scan# 1987
 Delta R.T. -0.000 min
 Lab File: BF128735.D
 Acq: 08 Jun 2022 15:01

Tgt Ion:228 Resp: 137742
 Ion Ratio Lower Upper
 228 100
 226 27.5 22.1 33.1
 229 19.0 15.8 23.8

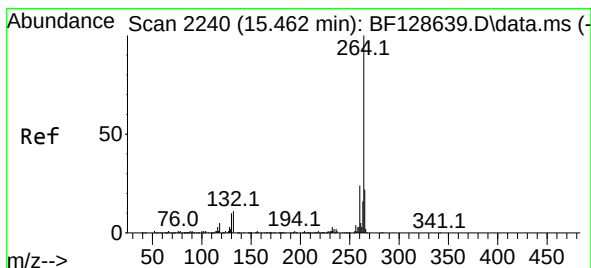
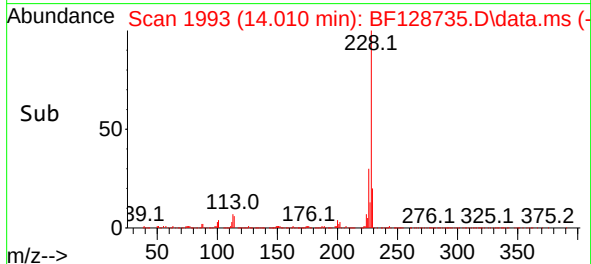
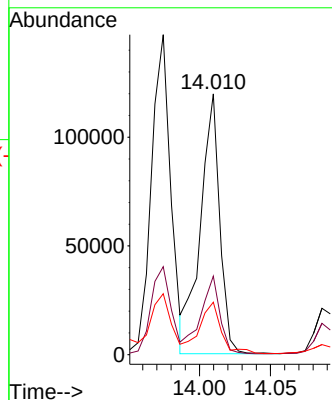
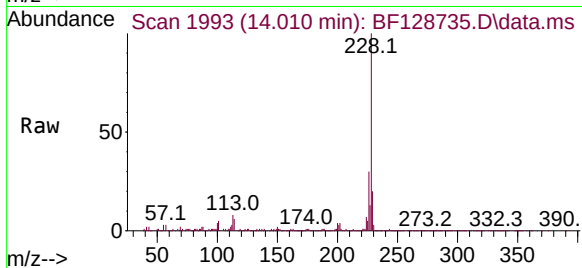




#83
Chrysene
Concen: 11.552 ng
RT: 14.010 min Scan# 1996
Delta R.T. -0.006 min
Lab File: BF128735.D
Acq: 08 Jun 2022 15:01

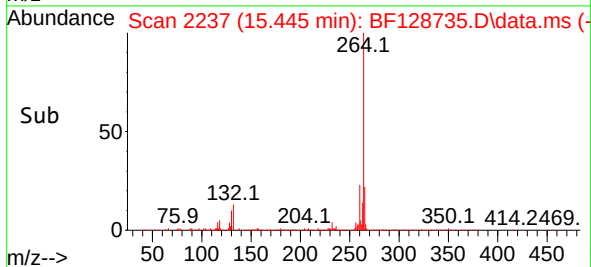
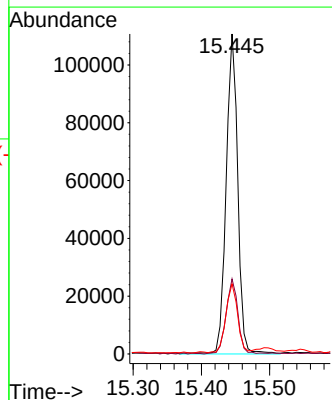
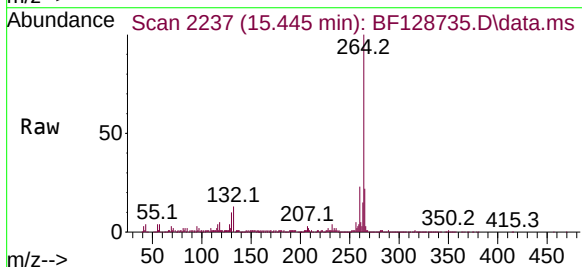
Instrument :
BNA_F
ClientSampleId :
SU-4-060322DL

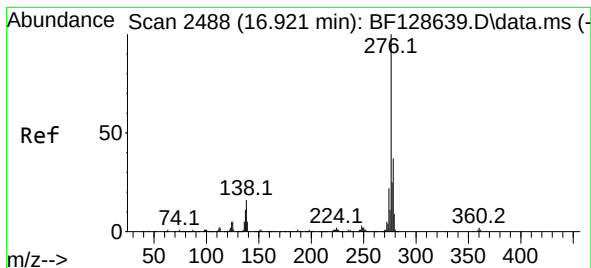
Tgt Ion:228 Resp: 113384
Ion Ratio Lower Upper
228 100
226 30.1 24.3 36.5
229 20.1 15.9 23.9



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.445 min Scan# 2237
Delta R.T. -0.000 min
Lab File: BF128735.D
Acq: 08 Jun 2022 15:01

Tgt Ion:264 Resp: 130888
Ion Ratio Lower Upper
264 100
260 23.4 18.4 27.6
265 21.9 17.2 25.8





#87

Indeno(1,2,3-cd)pyrene

Concen: 6.825 ng

RT: 16.892 min Scan# 2488

Delta R.T. -0.006 min

Lab File: BF128735.D

Acq: 08 Jun 2022 15:01

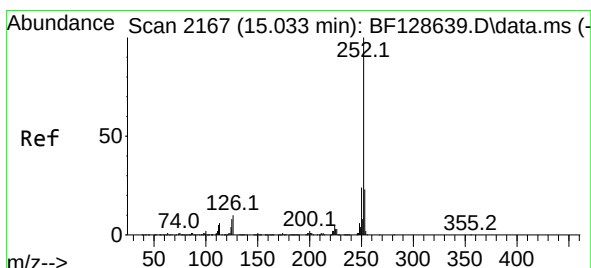
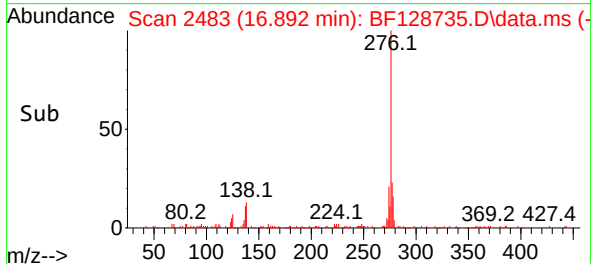
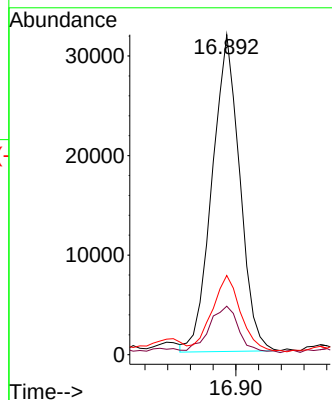
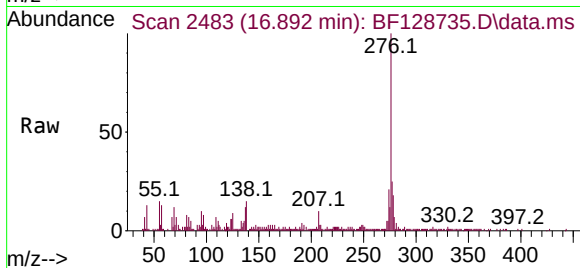
Instrument :

BNA_F

ClientSampleId :

SU-4-060322DL

Tgt Ion:	276	Resp:	53844
Ion Ratio	Lower	Upper	
276	100		
138	15.7	21.1	31.7#
277	25.3	20.3	30.5



#88

Benzo(b)fluoranthene

Concen: 22.331 ng

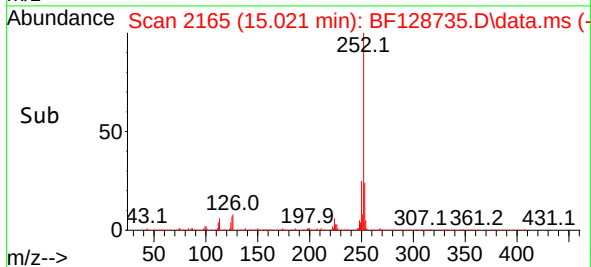
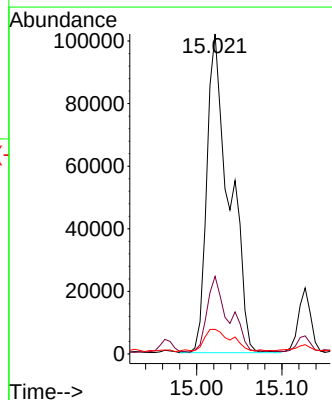
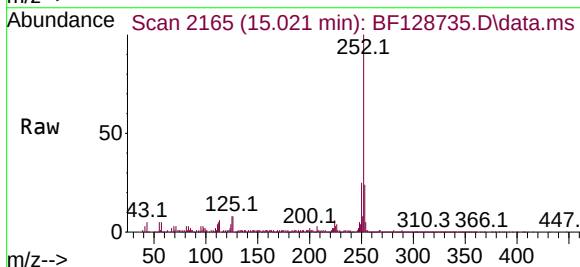
RT: 15.021 min Scan# 2165

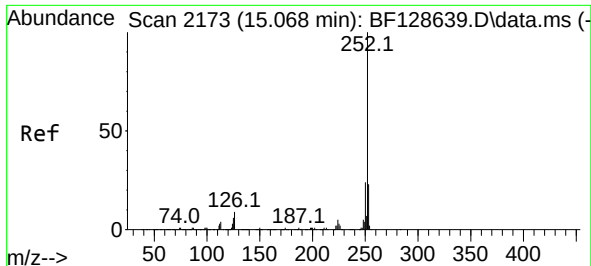
Delta R.T. -0.000 min

Lab File: BF128735.D

Acq: 08 Jun 2022 15:01

Tgt Ion:	252	Resp:	186764
Ion Ratio	Lower	Upper	
252	100		
253	24.3	17.7	26.5
125	7.7	8.0	12.0#

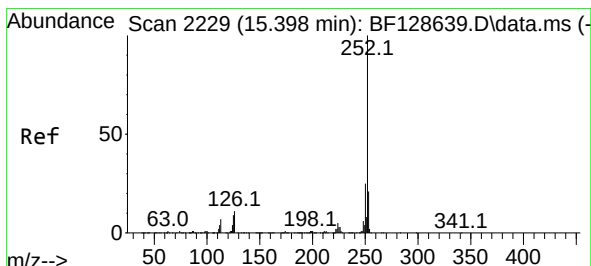
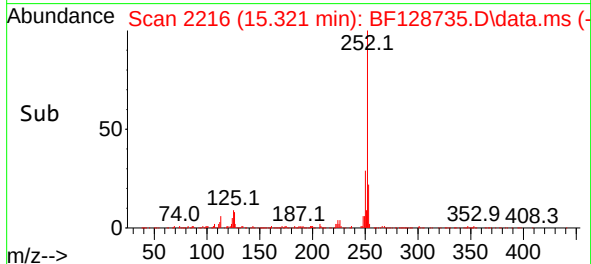
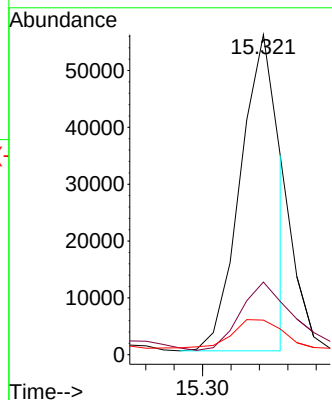
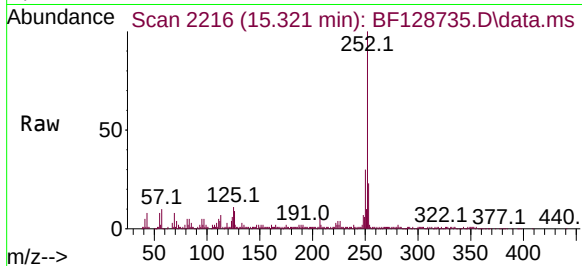




#89
Benzo(k)fluoranthene
Concen: 6.713 ng
RT: 15.321 min Scan# 2173
Delta R.T. 0.270 min
Lab File: BF128735.D
Acq: 08 Jun 2022 15:01

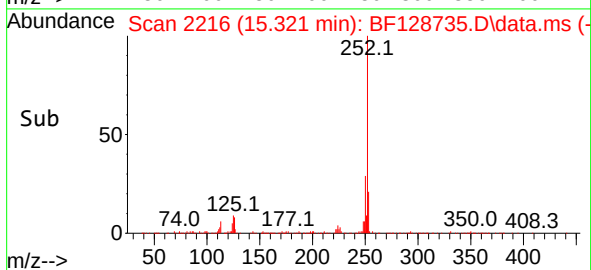
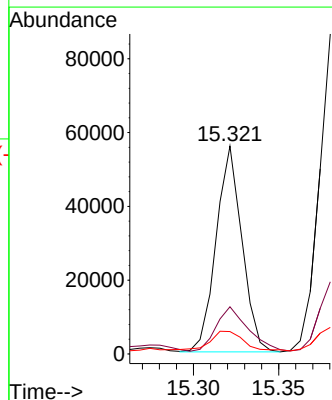
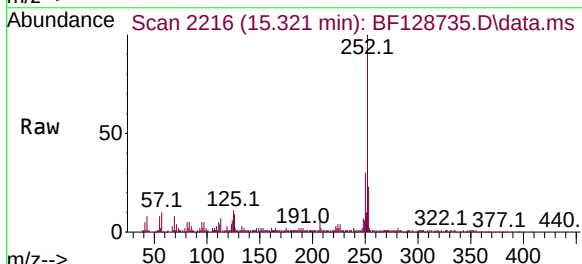
Instrument :
BNA_F
ClientSampleId :
SU-4-060322DL

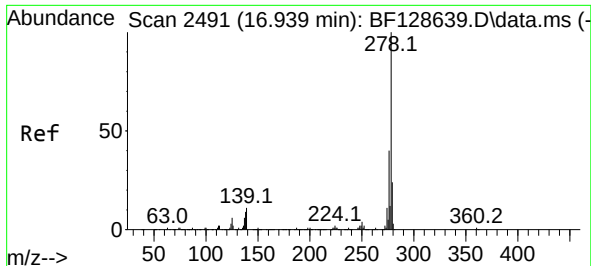
Tgt Ion:252 Resp: 52813
Ion Ratio Lower Upper
252 100
253 22.7 17.8 26.6
125 10.8 8.3 12.5



#90
Benzo(a)pyrene
Concen: 8.948 ng
RT: 15.321 min Scan# 2216
Delta R.T. -0.065 min
Lab File: BF128735.D
Acq: 08 Jun 2022 15:01

Tgt Ion:252 Resp: 58817
Ion Ratio Lower Upper
252 100
253 22.7 17.0 25.6
125 10.8 8.8 13.2

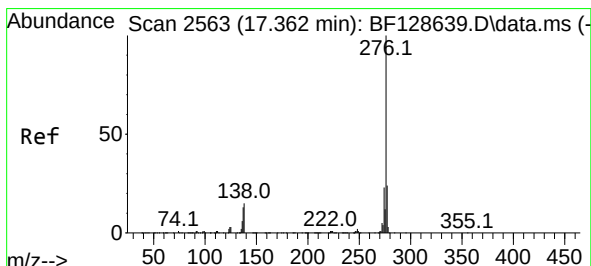
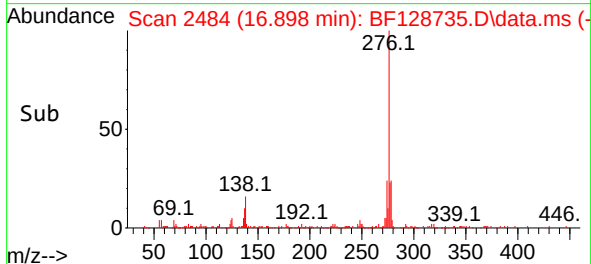
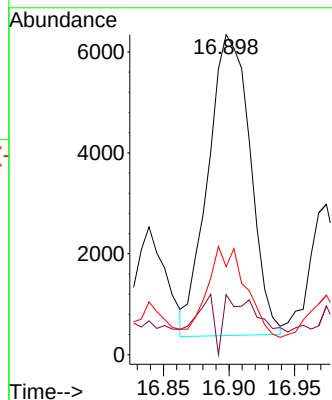
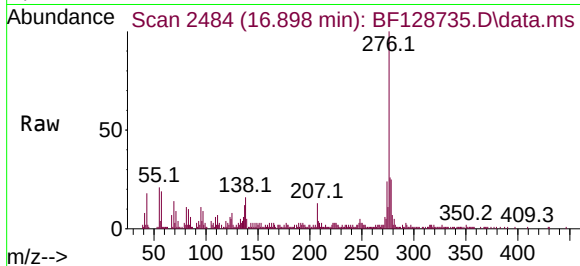




#91
Dibenzo(a,h)anthracene
Concen: 2.044 ng
RT: 16.898 min Scan# 2491
Delta R.T. -0.018 min
Lab File: BF128735.D
Acq: 08 Jun 2022 15:01

Instrument :
BNA_F
ClientSampleId :
SU-4-060322DL

Tgt Ion:278 Resp: 13373
Ion Ratio Lower Upper
278 100
139 18.7 12.8 19.2
279 27.5 18.6 28.0



#92
Benzo(g,h,i)perylene
Concen: 7.750 ng
RT: 17.327 min Scan# 2557
Delta R.T. -0.012 min
Lab File: BF128735.D
Acq: 08 Jun 2022 15:01

Tgt Ion:276 Resp: 50259
Ion Ratio Lower Upper
276 100
277 24.3 19.1 28.7
138 19.4 18.0 27.0

