

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF050522\
 Data File : BF128109.D
 Acq On : 05 May 2022 22:17
 Operator : CG\JU
 Sample : N2692-01
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 72-12002

Quant Time: May 06 05:03:01 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF042222.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu May 05 17:56:23 2022
 Response via : Initial Calibration

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

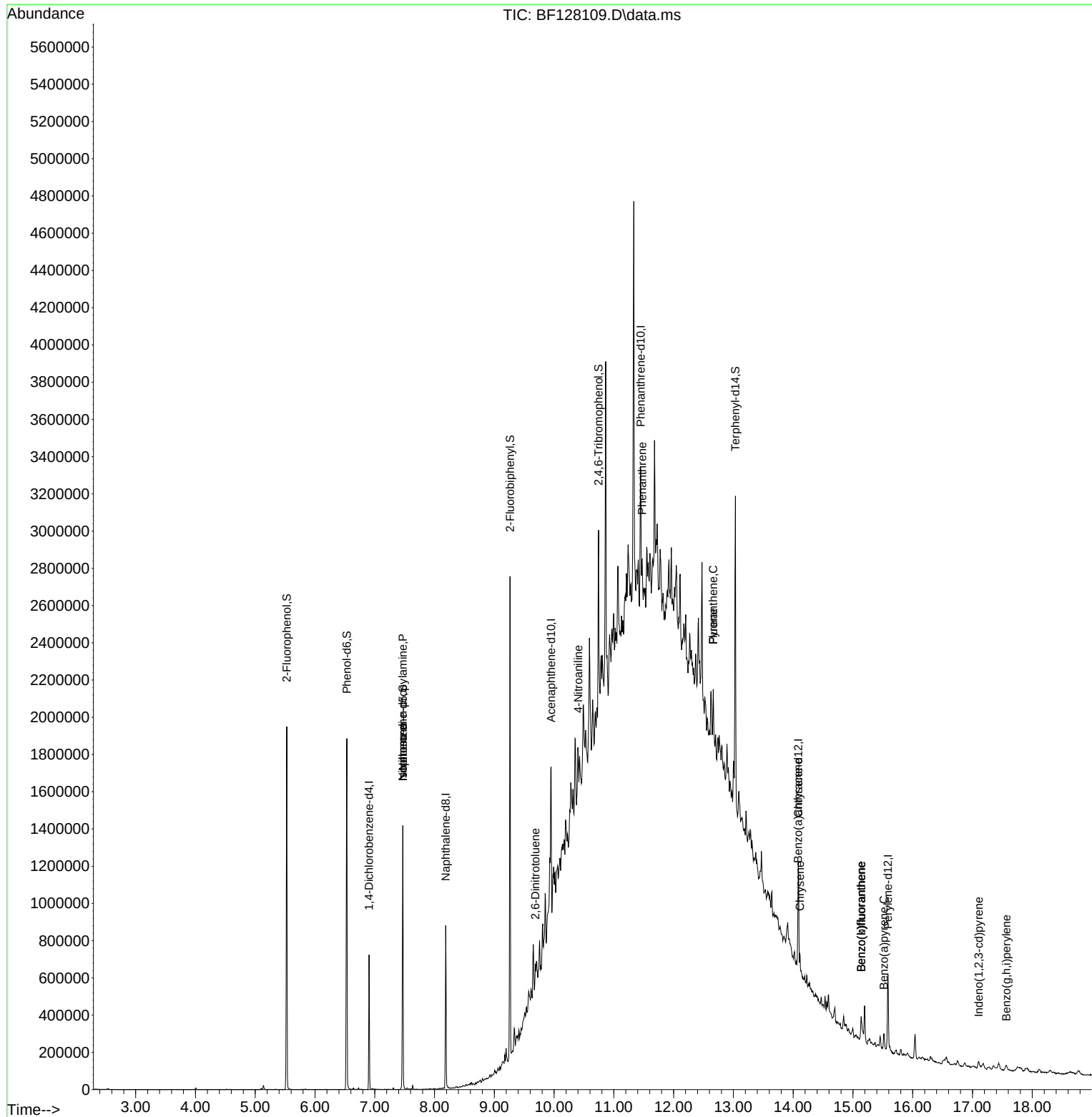
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.904	152	89537	20.000	ng	0.00
21) Naphthalene-d8	8.186	136	343717	20.000	ng	-0.01
39) Acenaphthene-d10	9.951	164	162108	20.000	ng	0.00
64) Phenanthrene-d10	11.451	188	203020	20.000	ng	# 0.00
76) Chrysene-d12	14.086	240	189179	20.000	ng	# 0.00
86) Perylene-d12	15.586	264	165850	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.528	112	450655	80.168	ng	0.00
7) Phenol-d6	6.534	99	609251	83.526	ng	-0.01
23) Nitrobenzene-d5	7.469	82	435378	59.564	ng	-0.01
42) 2,4,6-Tribromophenol	10.745	330	125273	76.766	ng	0.00
45) 2-Fluorobiphenyl	9.263	172	714680	74.583	ng	0.00
79) Terphenyl-d14	13.033	244	542054	52.394	ng	0.00
Target Compounds						Qvalue
19) n-Nitroso-di-n-propyla...	7.469	70	60076	13.455	ng	# 77
25) Isophorone	7.469	82	435374	35.390	ng	# 68
51) 2,6-Dinitrotoluene	9.686	165	13974	5.937	ng	# 28
62) 4-Nitroaniline	10.404	138	8583	3.359	ng	91
71) Phenanthrene	11.475	178	50556	4.757	ng	# 79
75) Fluoranthene	12.663	202	87061	7.784	ng	97
78) Pyrene	12.663	202	87061	5.701	ng	97
81) Benzo(a)anthracene	14.080	228	48497	3.846	ng	95
83) Chrysene	14.116	228	44059	3.659	ng	97
87) Indeno(1,2,3-cd)pyrene	17.104	276	22216	2.007	ng	98
88) Benzo(b)fluoranthene	15.139	252	80996	7.775	ng	# 91
89) Benzo(k)fluoranthene	15.139	252	80996	7.718	ng	# 90
90) Benzo(a)pyrene	15.515	252	38535	4.460	ng	98
92) Benzo(g,h,i)perylene	17.568	276	24114	2.577	ng	97

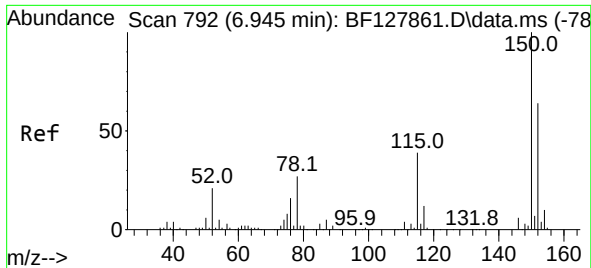
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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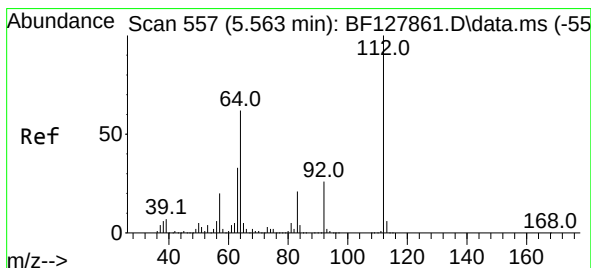
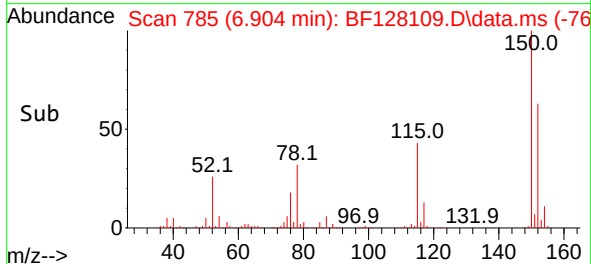
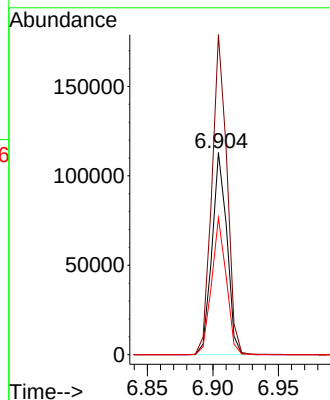
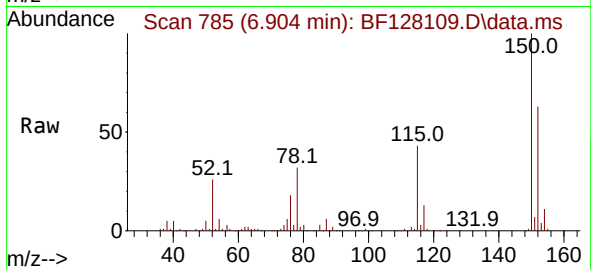




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.904 min Scan# 71
Delta R.T. -0.006 min
Lab File: BF128109.D
Acq: 05 May 2022 22:17

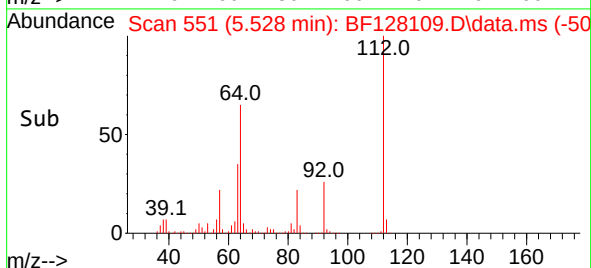
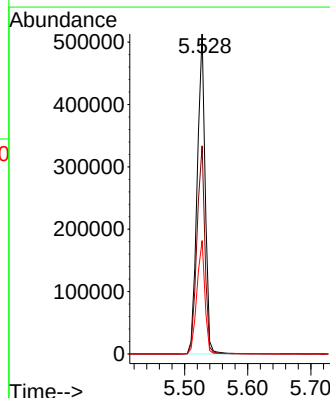
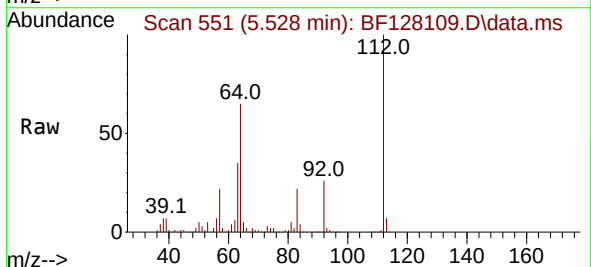
Instrument :
BNA_F
ClientSampleId :
72-12002

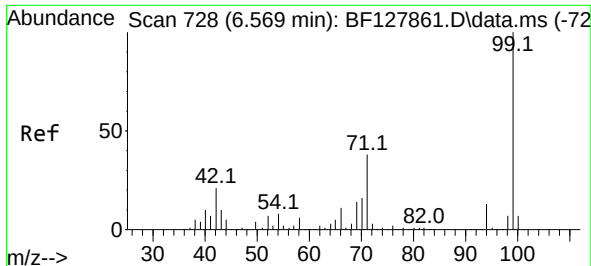
Tgt Ion:152 Resp: 89537
Ion Ratio Lower Upper
152 100
150 158.3 125.3 187.9
115 67.7 48.8 73.2



#5
2-Fluorophenol
Concen: 80.168 ng
RT: 5.528 min Scan# 551
Delta R.T. -0.006 min
Lab File: BF128109.D
Acq: 05 May 2022 22:17

Tgt Ion:112 Resp: 450655
Ion Ratio Lower Upper
112 100
64 65.0 49.5 74.3
63 35.4 26.3 39.5

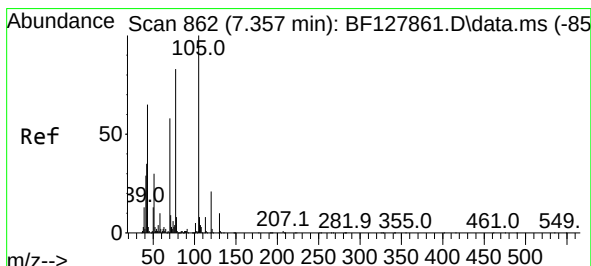
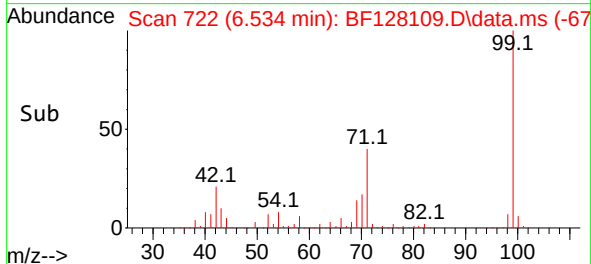
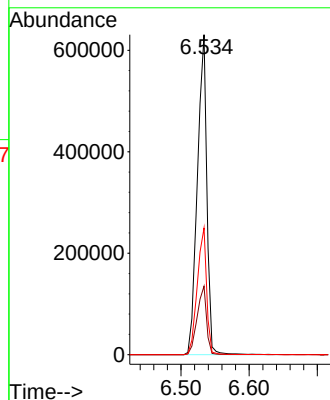
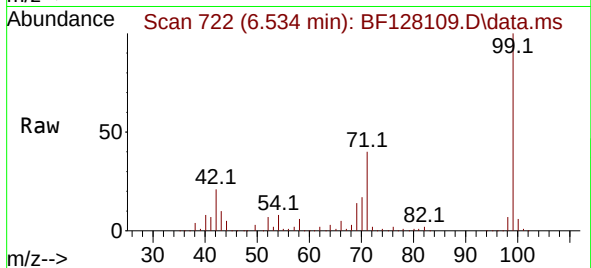




#7
Phenol-d6
Concen: 83.526 ng
RT: 6.534 min Scan# 71
Delta R.T. -0.012 min
Lab File: BF128109.D
Acq: 05 May 2022 22:17

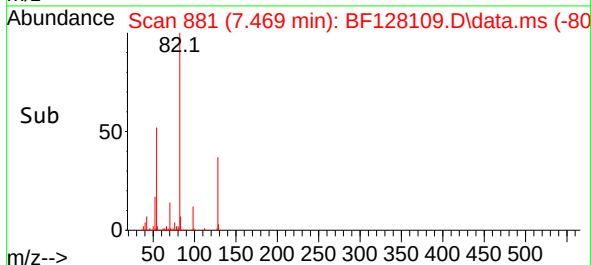
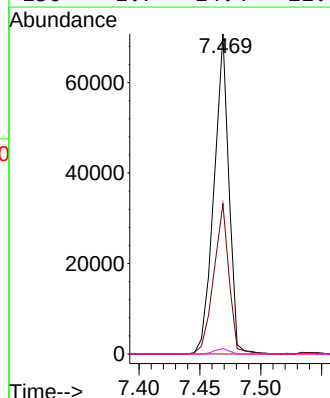
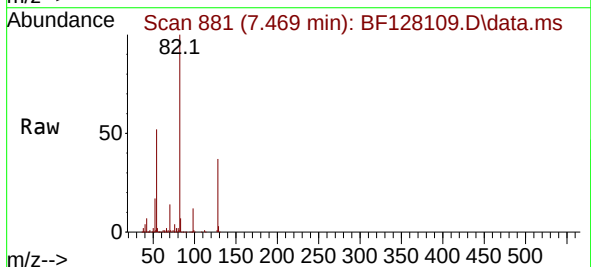
Instrument :
BNA_F
ClientSampleId :
72-12002

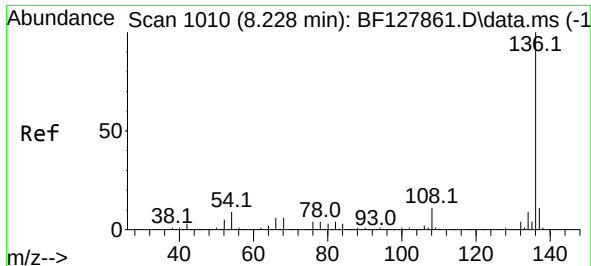
Tgt Ion: 99 Resp: 609251
Ion Ratio Lower Upper
99 100
42 21.4 16.6 24.8
71 39.6 30.0 45.0



#19
n-Nitroso-di-n-propylamine
Concen: 13.455 ng
RT: 7.469 min Scan# 881
Delta R.T. 0.141 min
Lab File: BF128109.D
Acq: 05 May 2022 22:17

Tgt Ion: 70 Resp: 60076
Ion Ratio Lower Upper
70 100
42 46.9 48.7 73.1#
101 0.0 7.2 10.8#
130 1.7 14.4 21.6#

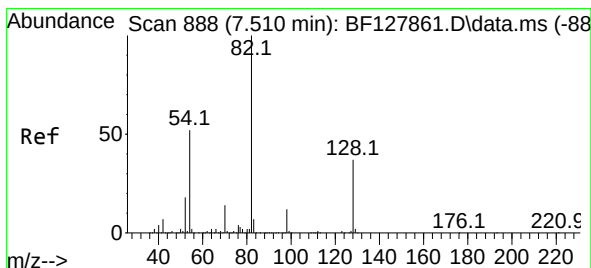
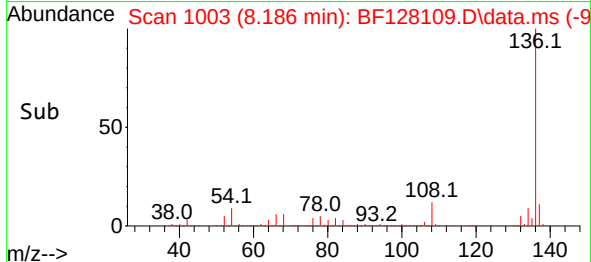
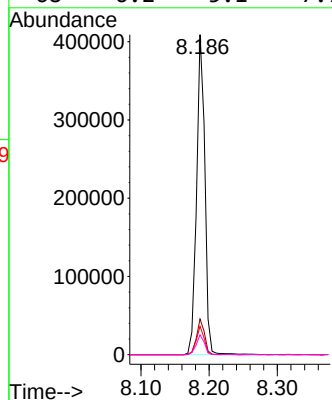
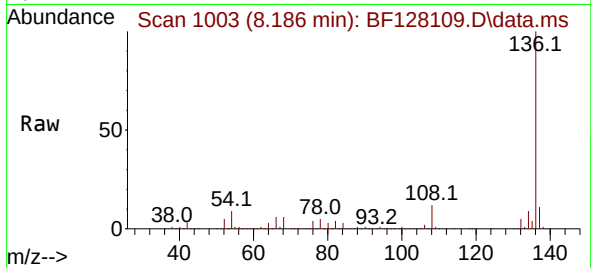




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.186 min Scan# 1010
Delta R.T. -0.012 min
Lab File: BF128109.D
Acq: 05 May 2022 22:17

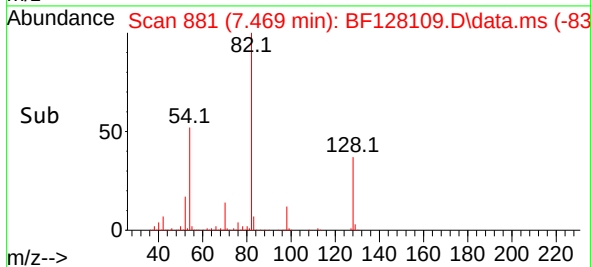
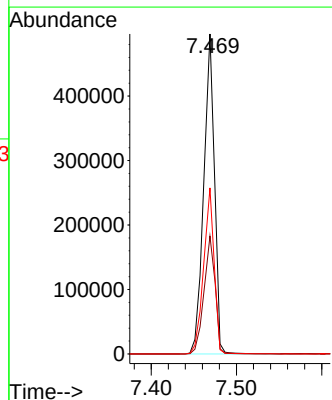
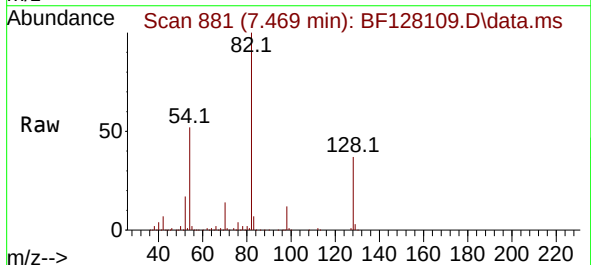
Instrument :
BNA_F
ClientSampleId :
72-12002

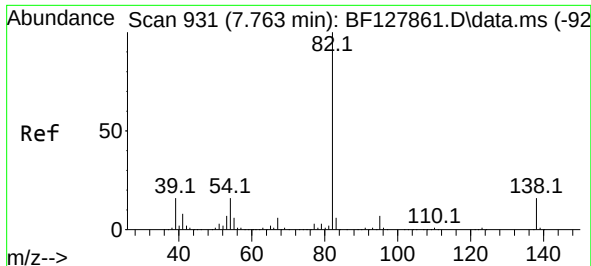
Tgt Ion:136	Resp: 343717		
Ion	Ratio	Lower	Upper
136	100		
137	11.1	8.6	13.0
54	8.9	6.8	10.2
68	6.2	5.1	7.7



#23
Nitrobenzene-d5
Concen: 59.564 ng
RT: 7.469 min Scan# 881
Delta R.T. -0.012 min
Lab File: BF128109.D
Acq: 05 May 2022 22:17

Tgt Ion: 82	Resp: 435378
Ion Ratio	Lower Upper
82 100	
128 36.9	30.0 45.0
54 51.9	41.3 61.9

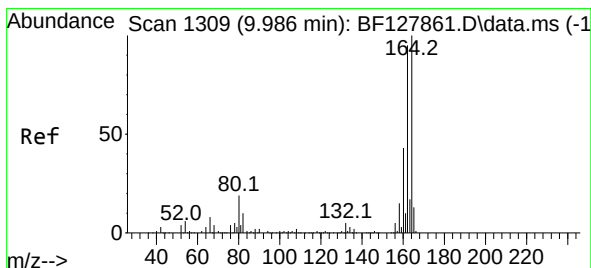
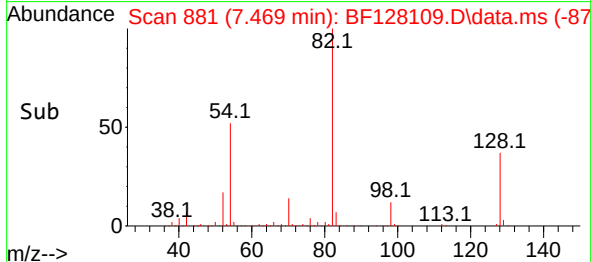
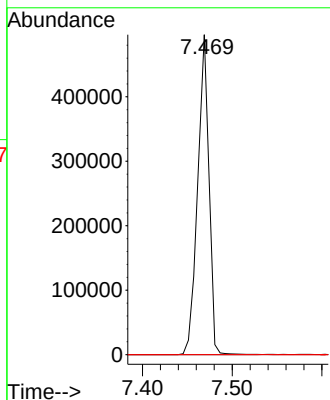
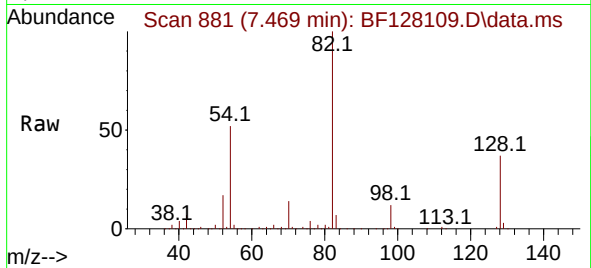




#25
Isophorone
Concen: 35.390 ng
RT: 7.469 min Scan# 81
Delta R.T. -0.271 min
Lab File: BF128109.D
Acq: 05 May 2022 22:17

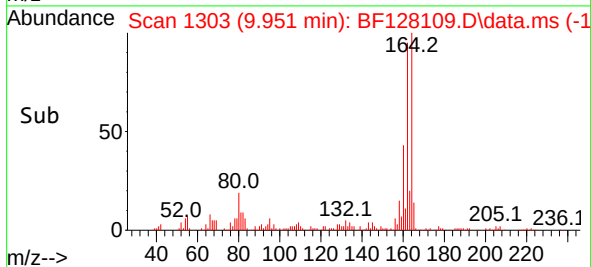
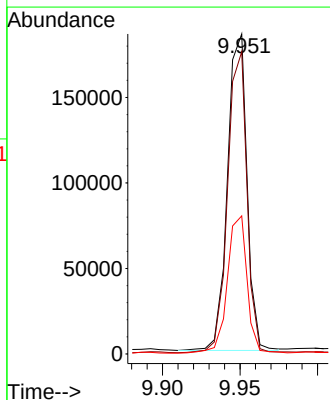
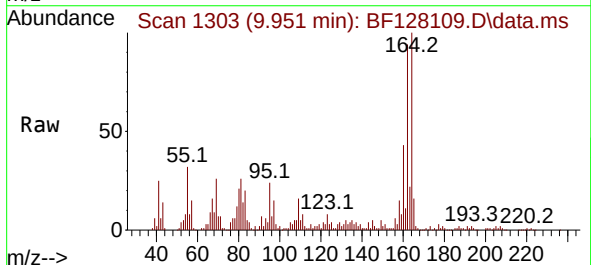
Instrument :
BNA_F
ClientSampleId :
72-12002

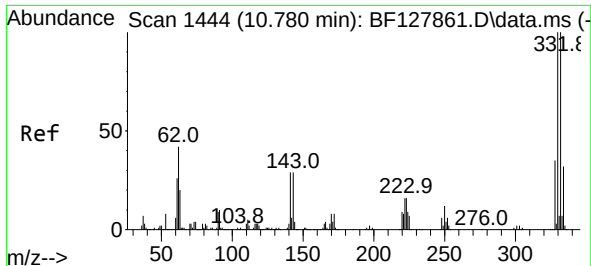
Tgt Ion: 82 Resp: 435374
Ion Ratio Lower Upper
82 100
95 0.0 5.6 8.4#
138 0.0 12.5 18.7#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.951 min Scan# 1303
Delta R.T. 0.000 min
Lab File: BF128109.D
Acq: 05 May 2022 22:17

Tgt Ion:164 Resp: 162108
Ion Ratio Lower Upper
164 100
162 94.5 76.0 114.0
160 43.1 34.8 52.2





#42

2,4,6-Tribromophenol

Concen: 76.766 ng

RT: 10.745 min Scan# 1444

Delta R.T. 0.000 min

Lab File: BF128109.D

Acq: 05 May 2022 22:17

Instrument :

BNA_F

ClientSampleId :

72-12002

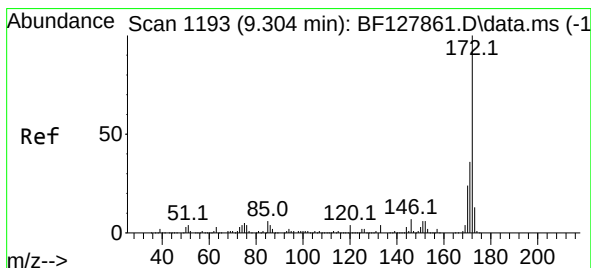
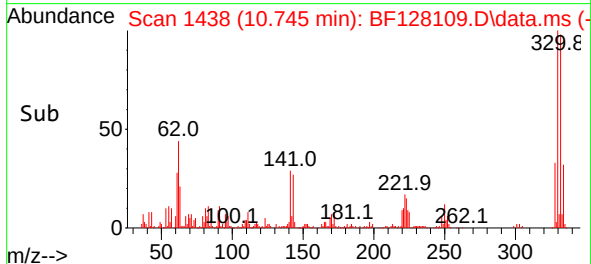
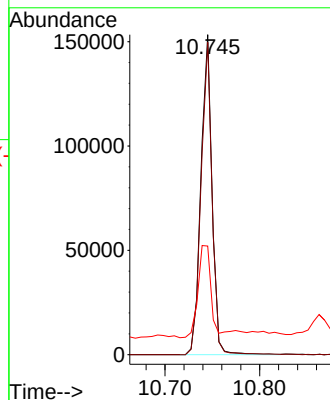
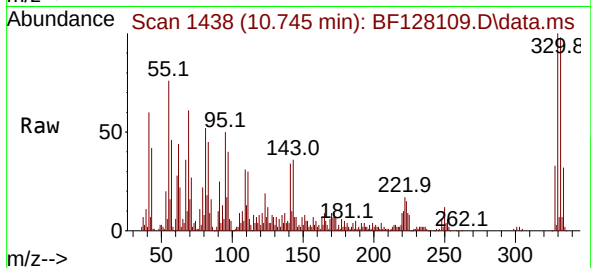
Tgt Ion:330 Resp: 125273

Ion Ratio Lower Upper

330 100

332 96.9 79.0 118.4

141 33.8 28.9 43.3



#45

2-Fluorobiphenyl

Concen: 74.583 ng

RT: 9.263 min Scan# 1186

Delta R.T. -0.006 min

Lab File: BF128109.D

Acq: 05 May 2022 22:17

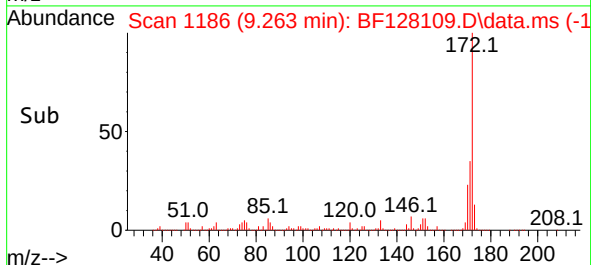
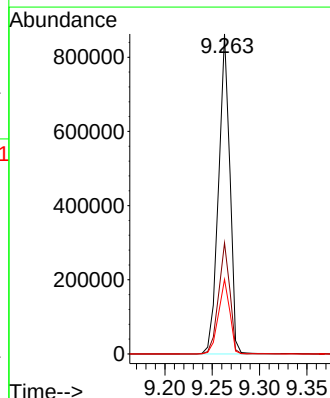
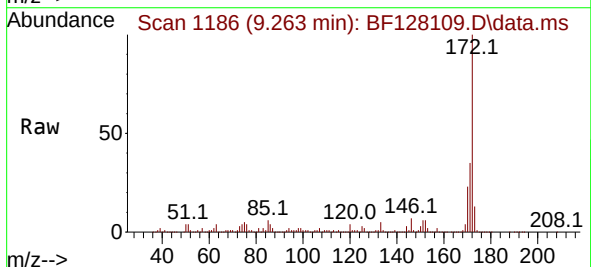
Tgt Ion:172 Resp: 714680

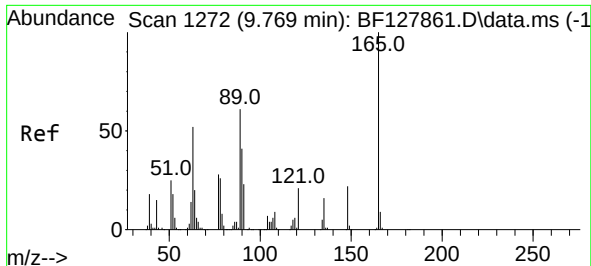
Ion Ratio Lower Upper

172 100

171 34.7 28.6 42.8

170 23.3 19.1 28.7

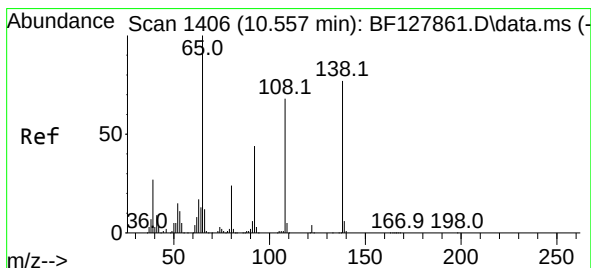
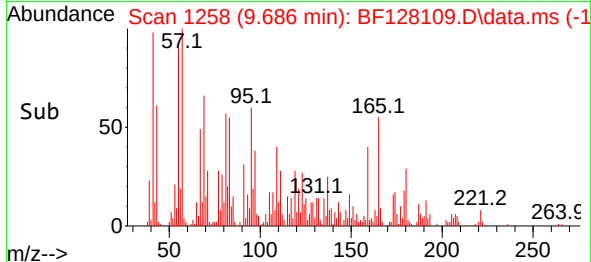
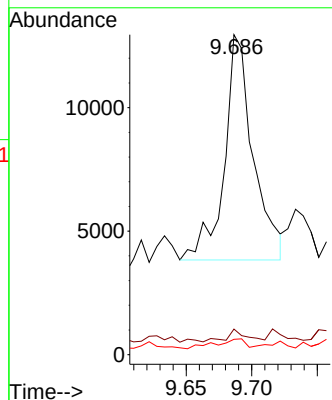
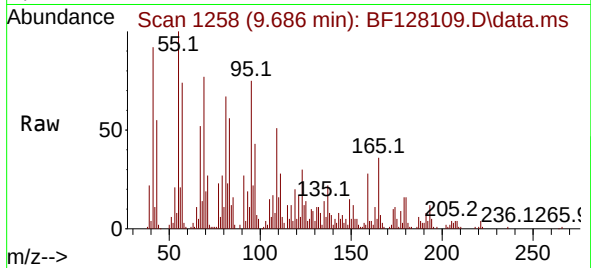




#51
2,6-Dinitrotoluene
Concen: 5.937 ng
RT: 9.686 min Scan# 11
Delta R.T. -0.053 min
Lab File: BF128109.D
Acq: 05 May 2022 22:17

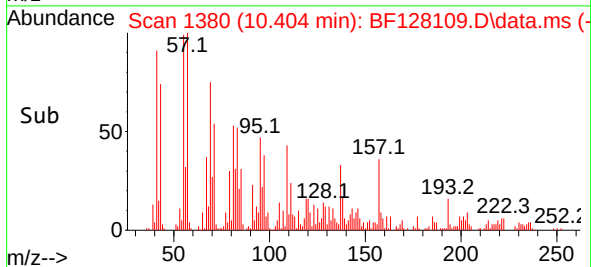
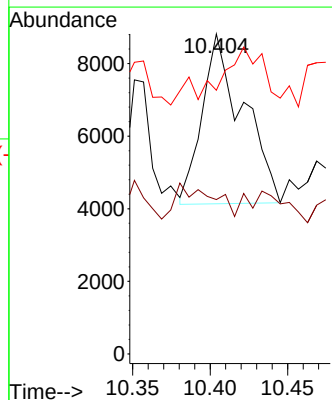
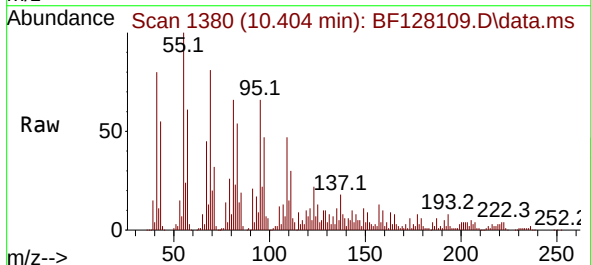
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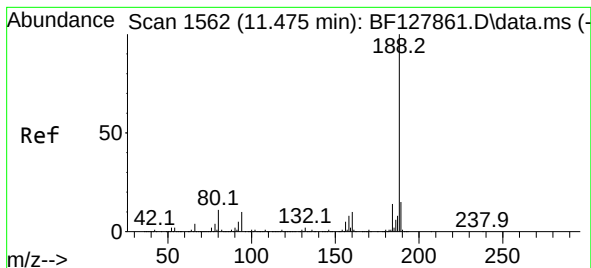
Tgt Ion:165 Resp: 13974
Ion Ratio Lower Upper
165 100
63 8.0 49.5 74.3#
89 4.8 49.0 73.4#



#62
4-Nitroaniline
Concen: 3.359 ng
RT: 10.404 min Scan# 1380
Delta R.T. -0.129 min
Lab File: BF128109.D
Acq: 05 May 2022 22:17

Tgt Ion:138 Resp: 8583
Ion Ratio Lower Upper
138 100
92 48.3 37.4 77.4
108 82.4 68.4 108.4





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.451 min Scan# 1

Delta R.T. 0.006 min

Lab File: BF128109.D

Acq: 05 May 2022 22:17

Instrument :

BNA_F

ClientSampleId :

72-12002

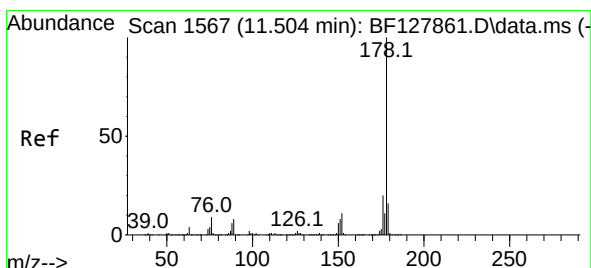
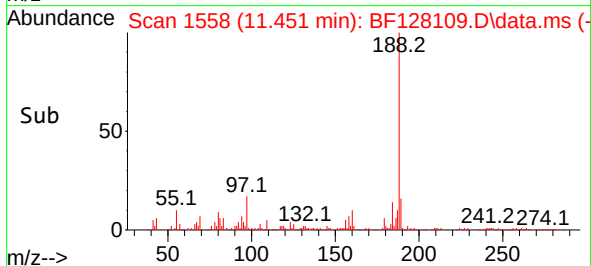
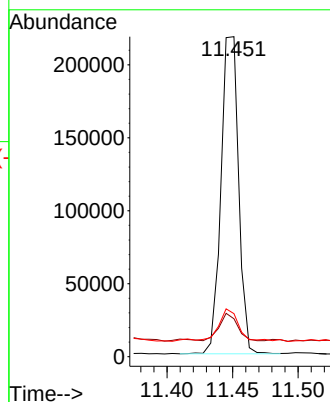
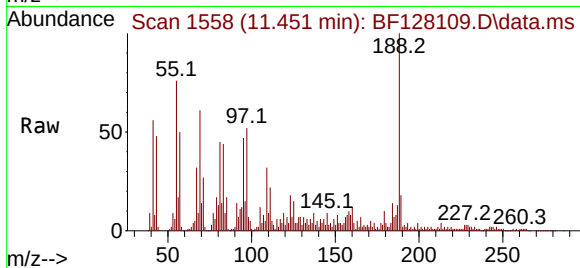
Tgt Ion:188 Resp: 203020

Ion Ratio Lower Upper

188 100

94 11.8 8.0 12.0

80 13.5 8.9 13.3#



#71

Phenanthrene

Concen: 4.757 ng

RT: 11.475 min Scan# 1562

Delta R.T. 0.000 min

Lab File: BF128109.D

Acq: 05 May 2022 22:17

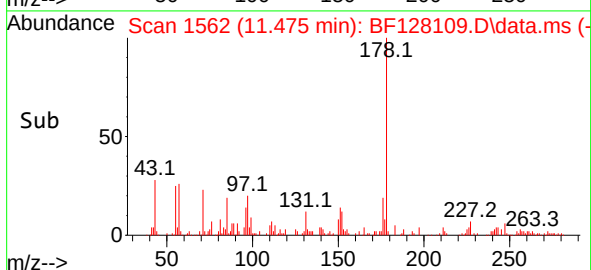
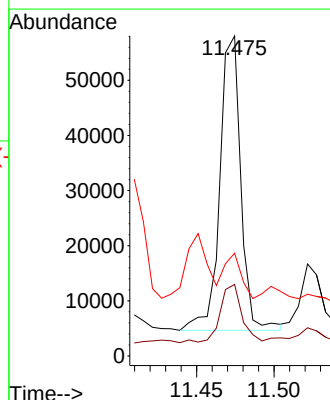
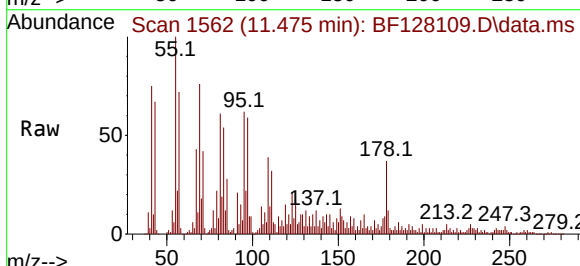
Tgt Ion:178 Resp: 50556

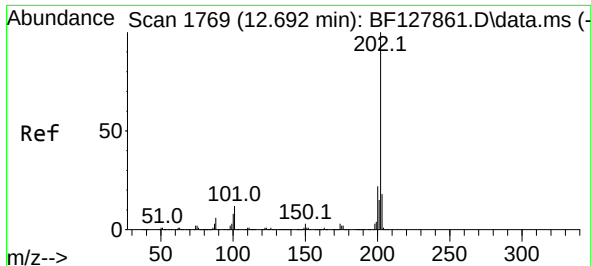
Ion Ratio Lower Upper

178 100

176 22.4 15.7 23.5

179 32.1 12.6 19.0#

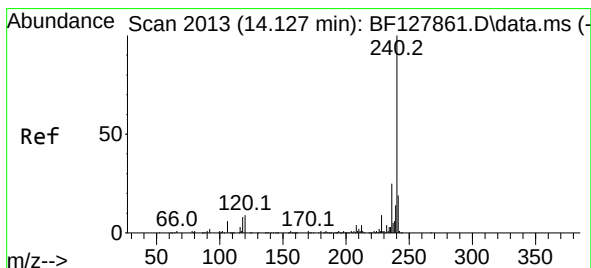
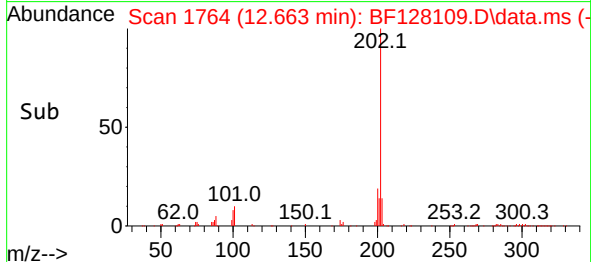
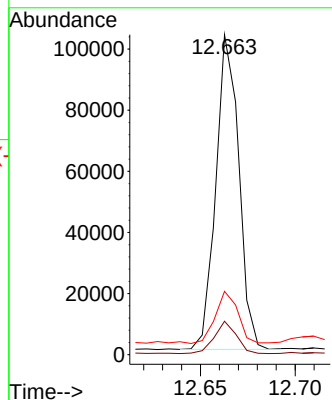
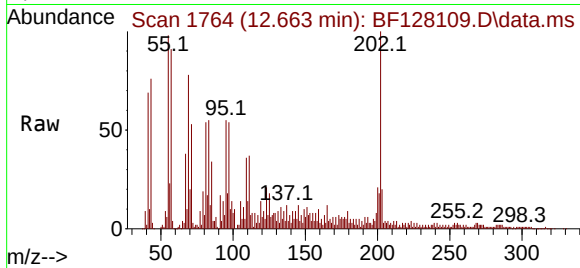




#75
Fluoranthene
Concen: 7.784 ng
RT: 12.663 min Scan# 11
Delta R.T. 0.000 min
Lab File: BF128109.D
Acq: 05 May 2022 22:17

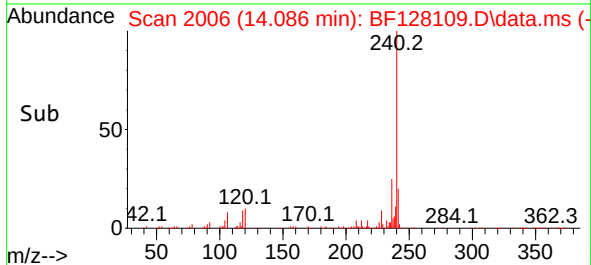
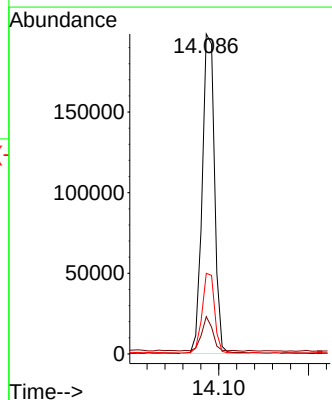
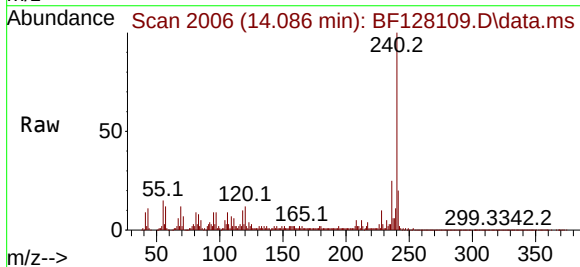
Instrument :
BNA_F
ClientSampleId :
72-12002

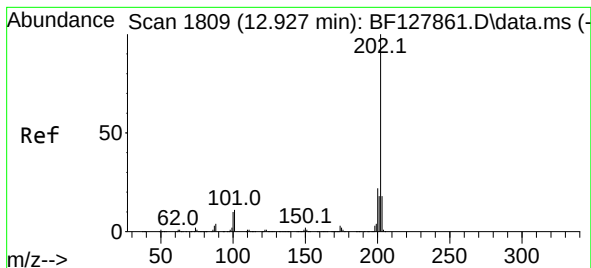
Tgt Ion:202 Resp: 87061
Ion Ratio Lower Upper
202 100
101 10.5 0.0 31.6
203 19.8 0.0 38.1



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.086 min Scan# 2006
Delta R.T. -0.006 min
Lab File: BF128109.D
Acq: 05 May 2022 22:17

Tgt Ion:240 Resp: 189179
Ion Ratio Lower Upper
240 100
120 11.6 7.0 10.6#
236 25.2 20.3 30.5





#78

Pyrene

Concen: 5.701 ng

RT: 12.663 min Scan# 11

Delta R.T. -0.229 min

Lab File: BF128109.D

Acq: 05 May 2022 22:17

Instrument :

BNA_F

ClientSampleId :

72-12002

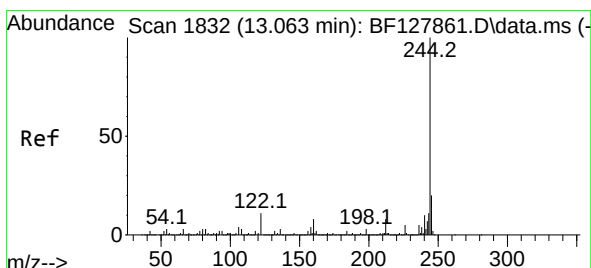
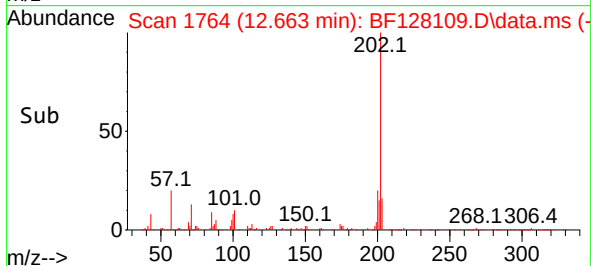
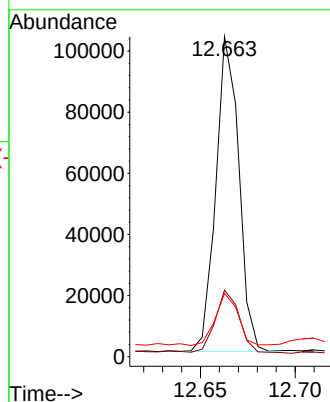
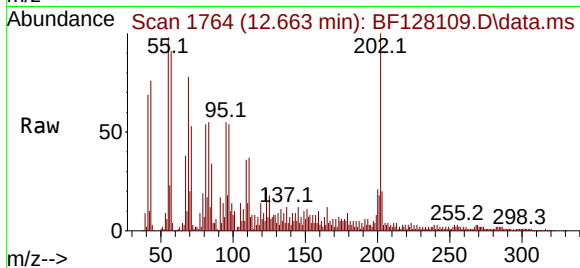
Tgt Ion:202 Resp: 87061

Ion Ratio Lower Upper

202 100

200 20.8 17.4 26.2

203 19.8 14.0 21.0



#79

Terphenyl-d14

Concen: 52.394 ng

RT: 13.033 min Scan# 1827

Delta R.T. 0.000 min

Lab File: BF128109.D

Acq: 05 May 2022 22:17

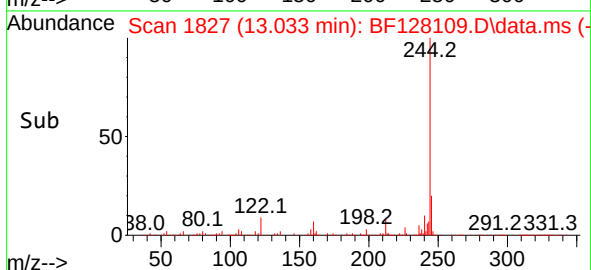
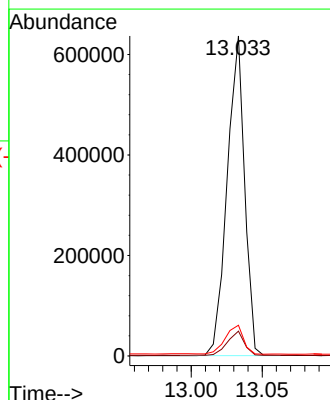
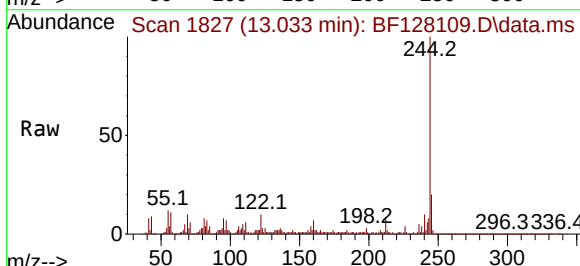
Tgt Ion:244 Resp: 542054

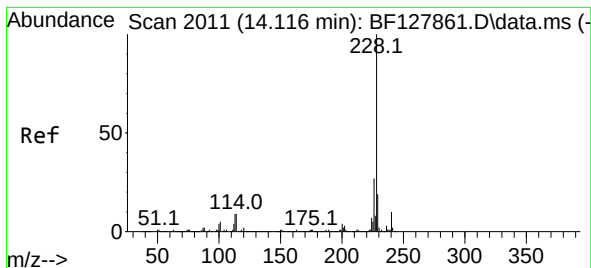
Ion Ratio Lower Upper

244 100

212 7.8 6.2 9.4

122 9.6 8.6 12.8





#81

Benzo(a)anthracene

Concen: 3.846 ng

RT: 14.080 min Scan# 2011

Delta R.T. 0.000 min

Lab File: BF128109.D

Acq: 05 May 2022 22:17

Instrument :

BNA_F

ClientSampleId :

72-12002

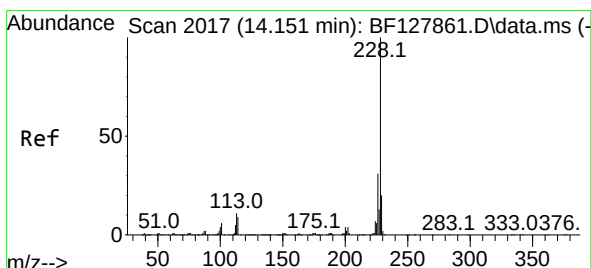
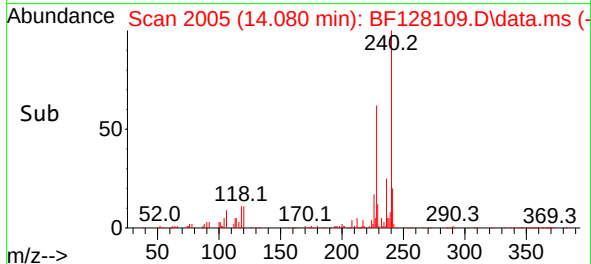
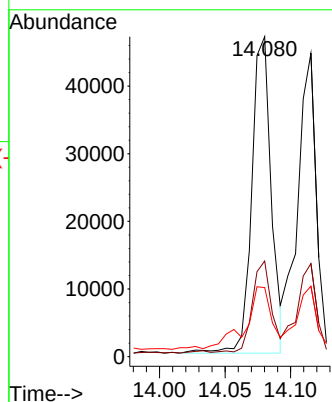
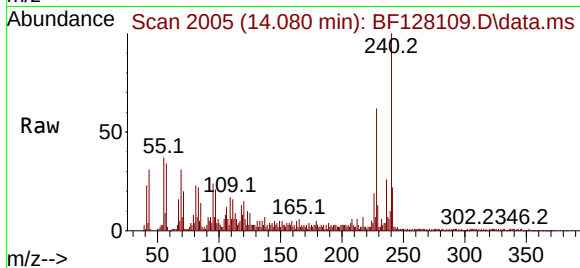
Tgt Ion:228 Resp: 48497

Ion Ratio Lower Upper

228 100

226 29.9 21.7 32.5

229 21.6 15.4 23.2



#83

Chrysene

Concen: 3.659 ng

RT: 14.116 min Scan# 2011

Delta R.T. -0.006 min

Lab File: BF128109.D

Acq: 05 May 2022 22:17

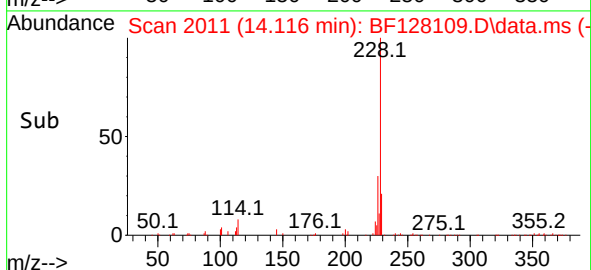
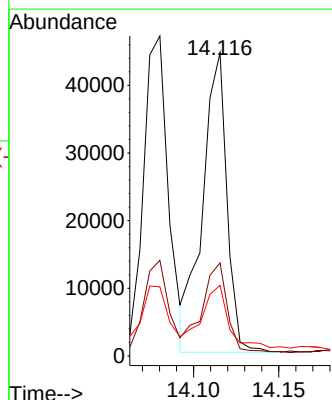
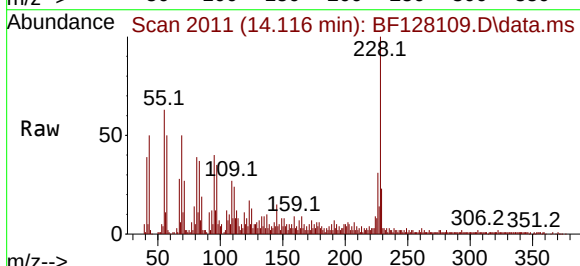
Tgt Ion:228 Resp: 44059

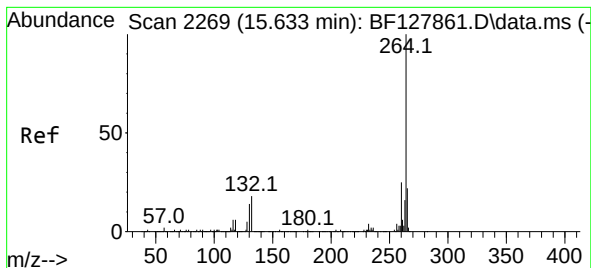
Ion Ratio Lower Upper

228 100

226 30.7 24.4 36.6

229 23.3 15.8 23.8





#86

Perylene-d12

Concen: 20.000 ng

RT: 15.586 min Scan# 21

Delta R.T. -0.006 min

Lab File: BF128109.D

Acq: 05 May 2022 22:17

Instrument :

BNA_F

ClientSampleId :

72-12002

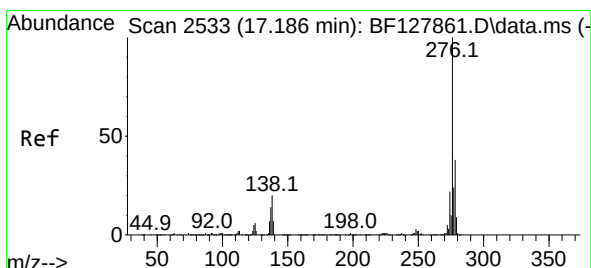
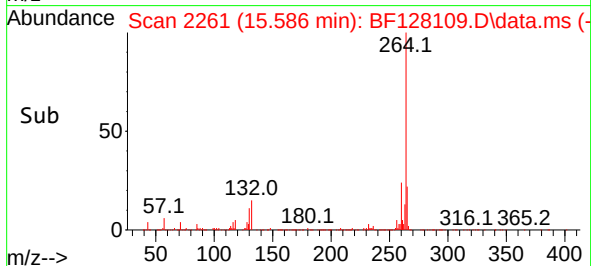
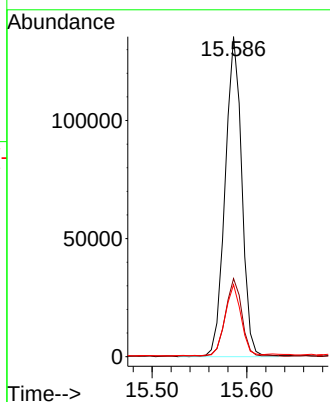
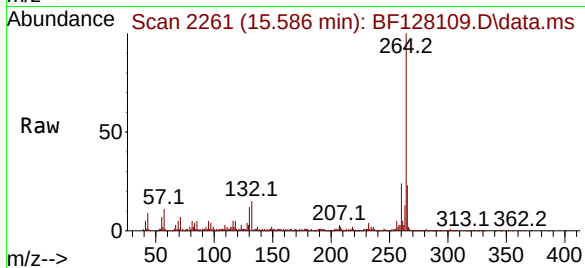
Tgt Ion:264 Resp: 165850

Ion Ratio Lower Upper

264 100

260 24.4 20.1 30.1

265 22.5 17.5 26.3



#87

Indeno(1,2,3-cd)pyrene

Concen: 2.007 ng

RT: 17.104 min Scan# 2519

Delta R.T. -0.023 min

Lab File: BF128109.D

Acq: 05 May 2022 22:17

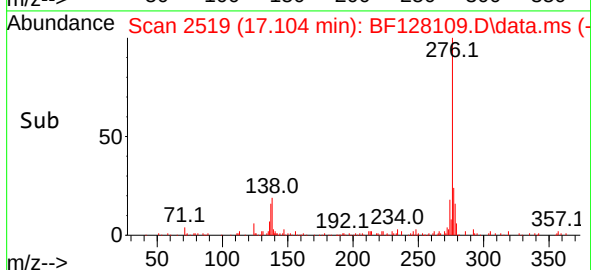
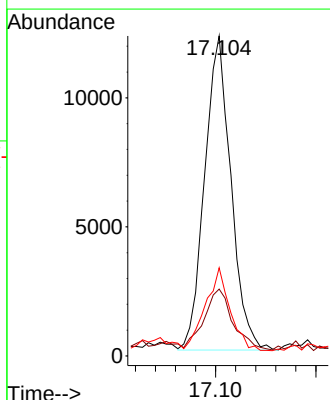
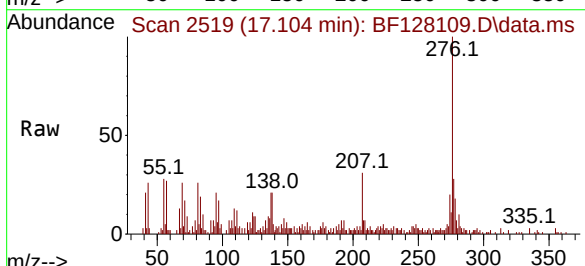
Tgt Ion:276 Resp: 22216

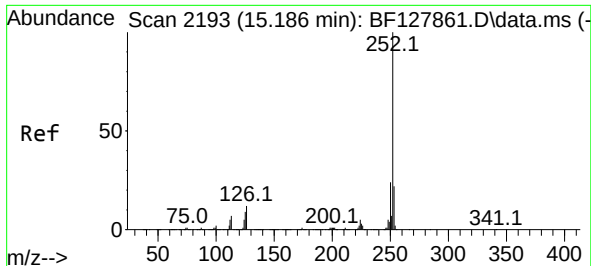
Ion Ratio Lower Upper

276 100

138 21.7 19.0 28.4

277 24.7 20.1 30.1

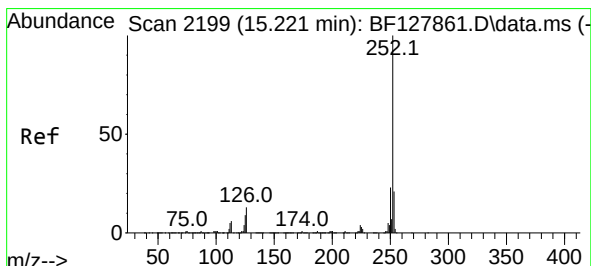
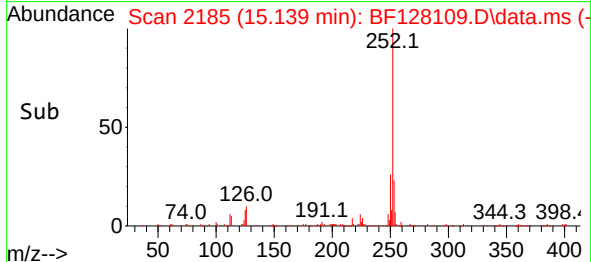
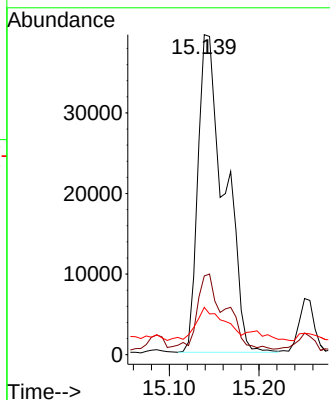
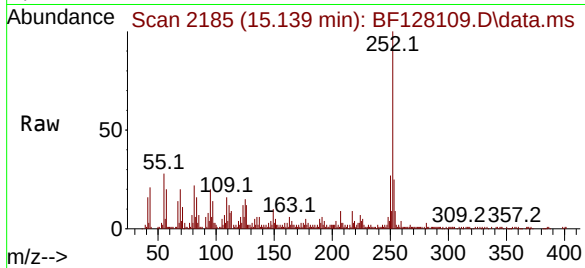




#88
Benzo(b)fluoranthene
Concen: 7.775 ng
RT: 15.139 min Scan# 2185
Delta R.T. -0.012 min
Lab File: BF128109.D
Acq: 05 May 2022 22:17

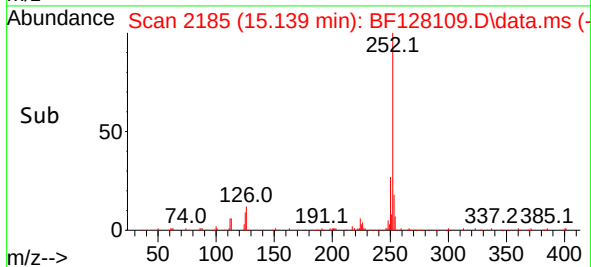
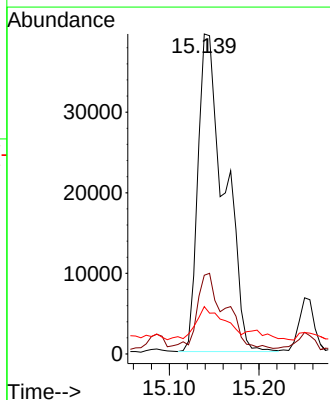
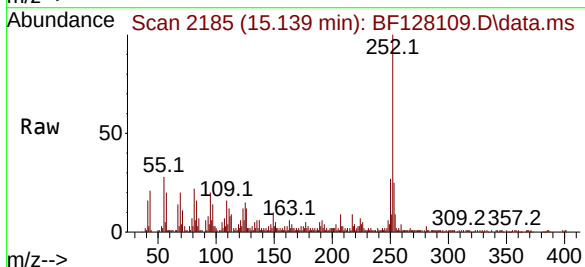
Instrument :
BNA_F
ClientSampleId :
72-12002

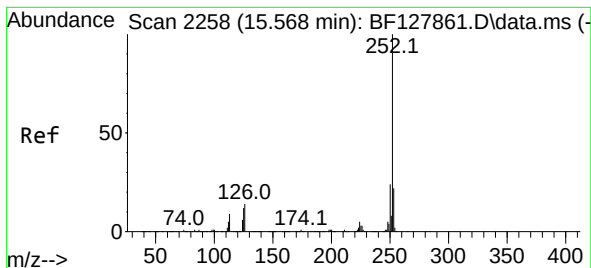
Tgt Ion:252 Resp: 80996
Ion Ratio Lower Upper
252 100
253 24.6 17.4 26.2
125 14.8 7.4 11.2#



#89
Benzo(k)fluoranthene
Concen: 7.718 ng
RT: 15.139 min Scan# 2185
Delta R.T. -0.041 min
Lab File: BF128109.D
Acq: 05 May 2022 22:17

Tgt Ion:252 Resp: 80996
Ion Ratio Lower Upper
252 100
253 24.6 17.0 25.4
125 14.8 6.8 10.2#





#90

Benzo(a)pyrene

Concen: 4.460 ng

RT: 15.515 min Scan# 21

Delta R.T. -0.018 min

Lab File: BF128109.D

Acq: 05 May 2022 22:17

Instrument :

BNA_F

ClientSampleId :

72-12002

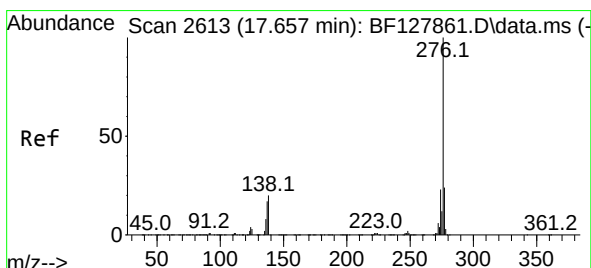
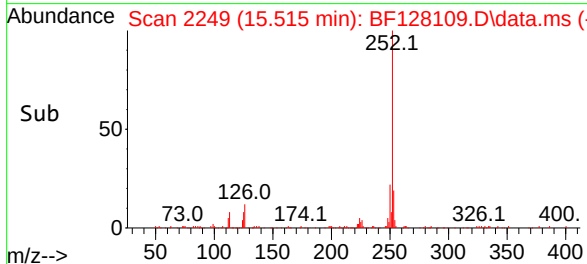
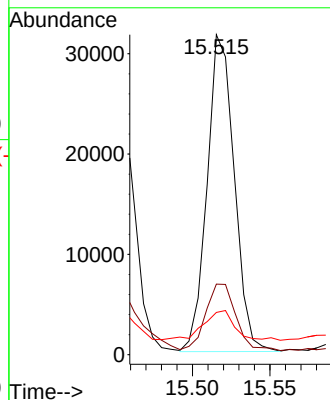
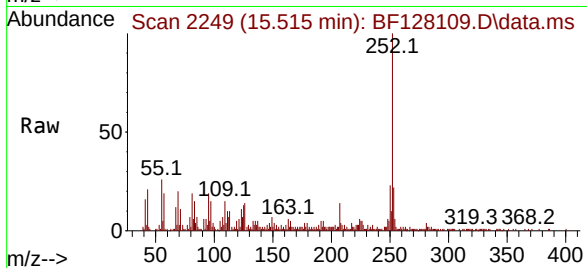
Tgt Ion:252 Resp: 38535

Ion Ratio Lower Upper

252 100

253 22.1 17.8 26.6

125 13.2 9.2 13.8



#92

Benzo(g,h,i)perylene

Concen: 2.577 ng

RT: 17.568 min Scan# 2598

Delta R.T. -0.029 min

Lab File: BF128109.D

Acq: 05 May 2022 22:17

Tgt Ion:276 Resp: 24114

Ion Ratio Lower Upper

276 100

277 21.5 18.8 28.2

138 20.9 16.2 24.2

