

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF030923\
 Data File : BF132729.D
 Acq On : 09 Mar 2023 21:11
 Operator : CG\JU
 Sample : 01847-01 5X
 Misc :
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Mar 10 03:40:26 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF022223.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Mar 09 16:26:19 2023
 Response via : Initial Calibration

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

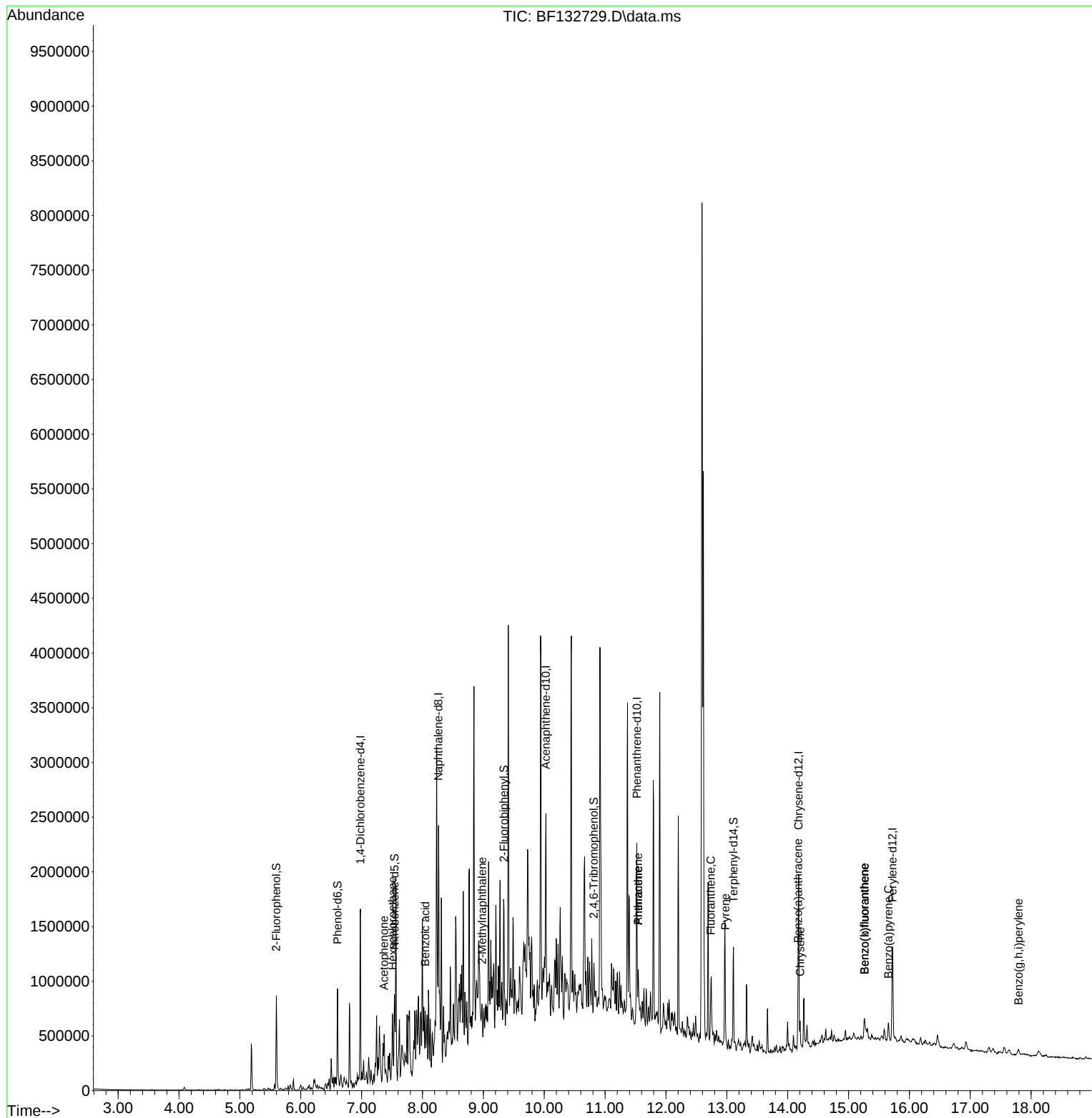
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.981	152	224812	20.000	ng	0.00
21) Naphthalene-d8	8.263	136	764275	20.000	ng	0.00
39) Acenaphthene-d10	10.027	164	353574	20.000	ng	0.00
64) Phenanthrene-d10	11.522	188	561863	20.000	ng	0.00
76) Chrysene-d12	14.180	240	508844	20.000	ng	0.00
86) Perylene-d12	15.721	264	388359	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.598	112	246037	17.762	ng	-0.01
7) Phenol-d6	6.604	99	312063	17.262	ng	-0.02
23) Nitrobenzene-d5	7.539	82	183105	11.367	ng	-0.02
42) 2,4,6-Tribromophenol	10.816	330	51811	13.569	ng	-0.01
45) 2-Fluorobiphenyl	9.339	172	319925	13.778	ng	0.00
79) Terphenyl-d14	13.110	244	316171	10.505	ng	0.00
Target Compounds						
					Qvalue	
18) Hexachloroethane	7.510	117	26813	4.455	ng	# 1
22) Acetophenone	7.369	105	69897	3.627	ng	# 53
32) Benzoic acid	8.045	122	1077	3.941	ng	# 8
37) 2-Methylnaphthalene	8.980	142	67669	2.538	ng	98
71) Phenanthrene	11.545	178	73967	2.541	ng	99
72) Anthracene	11.545	178	73967	2.468	ng	99
75) Fluoranthene	12.739	202	130861	4.113	ng	98
78) Pyrene	12.974	202	164885	3.564	ng	99
81) Benzo(a)anthracene	14.168	228	105036	2.759	ng	95
83) Chrysene	14.204	228	93496	2.626	ng	97
88) Benzo(b)fluoranthene	15.262	252	151319	5.814	ng	# 93
89) Benzo(k)fluoranthene	15.262	252	151319	5.941	ng	# 94
90) Benzo(a)pyrene	15.657	252	72959	2.995	ng	# 92
92) Benzo(g,h,i)perylene	17.792	276	37102	3.144	ng	# 90

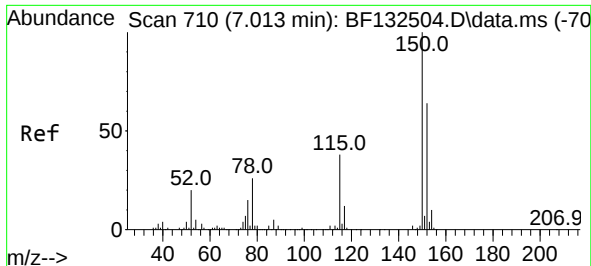
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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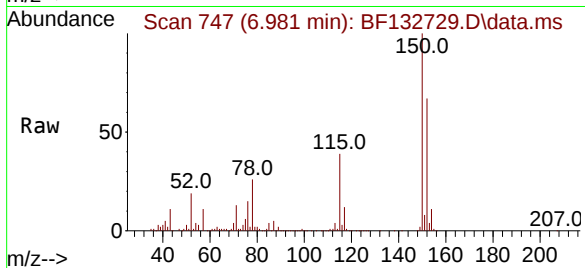
Quant Time: Mar 10 03:40:26 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF022223.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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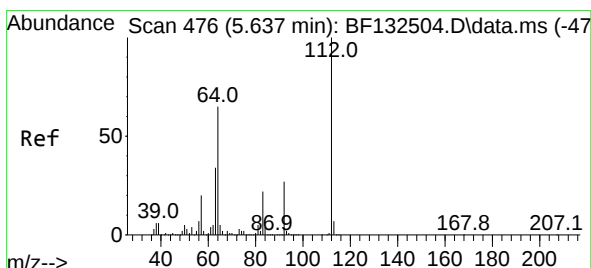
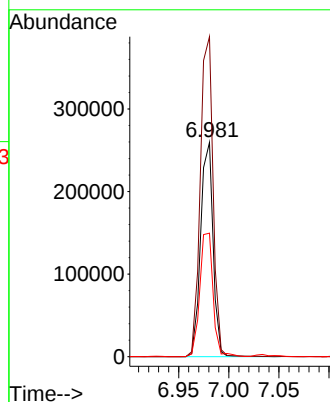
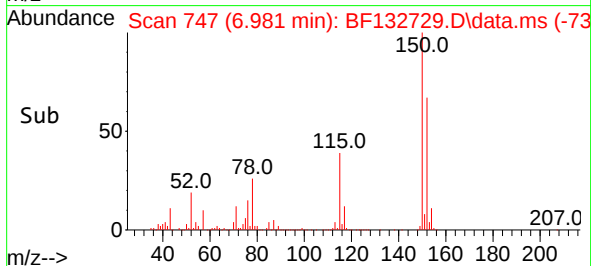


#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.981 min Scan# 710
Delta R.T. -0.000 min
Lab File: BF132729.D
Acq: 09 Mar 2023 21:11

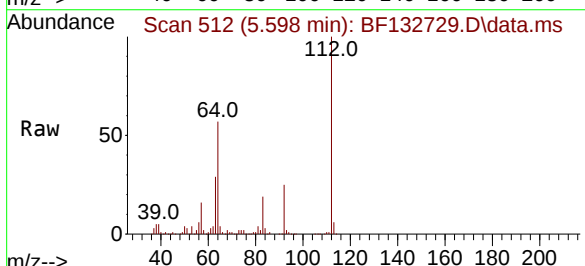
Instrument :
BNA_F
ClientSampleId :



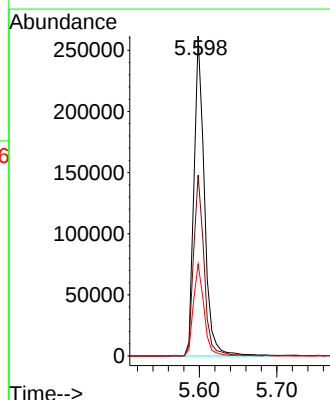
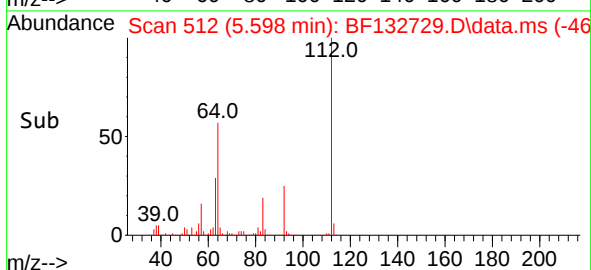
Tgt Ion:152 Resp: 224812
Ion Ratio Lower Upper
152 100
150 149.3 125.4 188.2
115 57.7 47.8 71.6

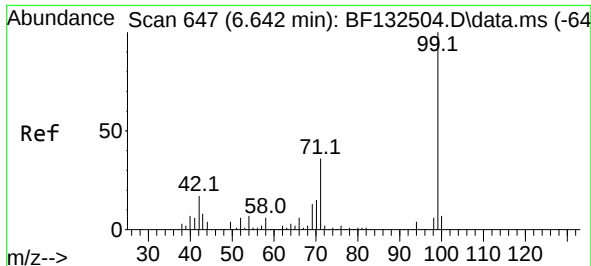


#5
2-Fluorophenol
Concen: 17.762 ng
RT: 5.598 min Scan# 512
Delta R.T. -0.012 min
Lab File: BF132729.D
Acq: 09 Mar 2023 21:11



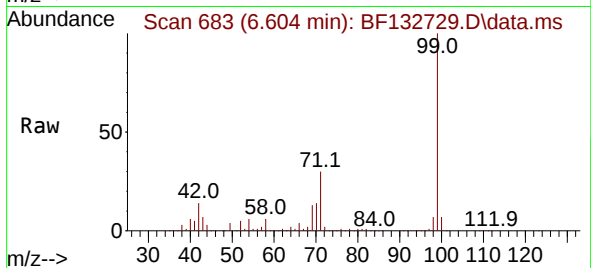
Tgt Ion:112 Resp: 246037
Ion Ratio Lower Upper
112 100
64 56.5 51.6 77.4
63 28.7 27.4 41.2





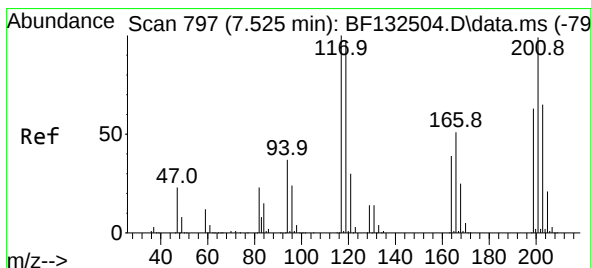
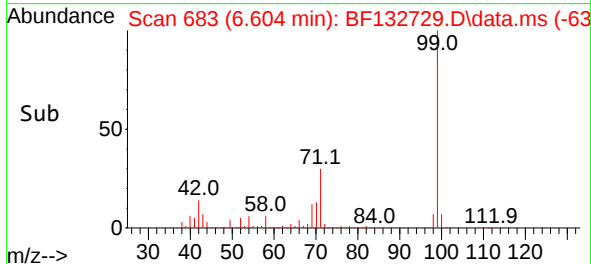
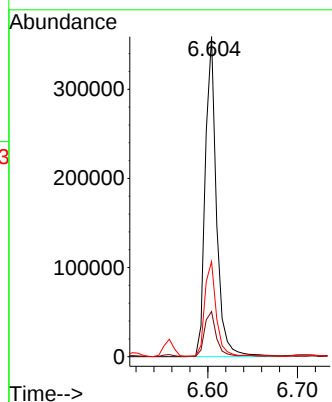
#7
Phenol-d6
Concen: 17.262 ng
RT: 6.604 min Scan# 61
Delta R.T. -0.018 min
Lab File: BF132729.D
Acq: 09 Mar 2023 21:11

Instrument :
BNA_F
ClientSampleId :



Tgt Ion: 99 Resp: 312063

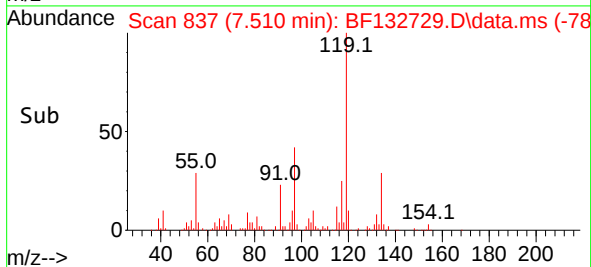
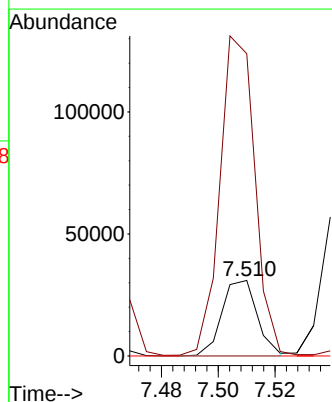
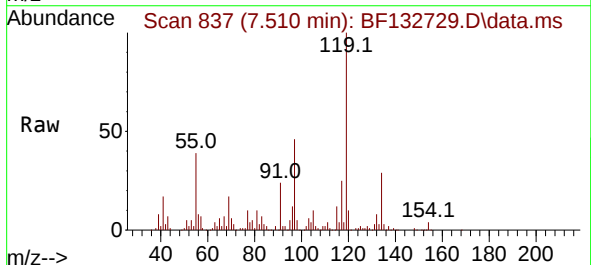
Ion	Ratio	Lower	Upper
99	100		
42	14.1	13.9	20.9
71	29.7	28.5	42.7

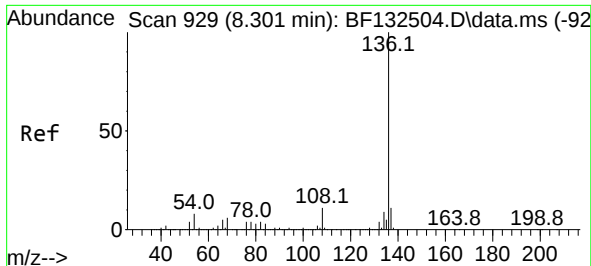


#18
Hexachloroethane
Concen: 4.455 ng
RT: 7.510 min Scan# 837
Delta R.T. 0.018 min
Lab File: BF132729.D
Acq: 09 Mar 2023 21:11

Tgt Ion: 117 Resp: 26813

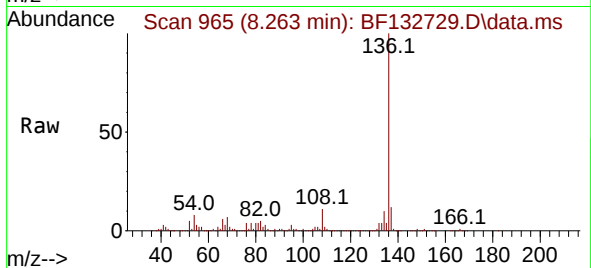
Ion	Ratio	Lower	Upper
117	100		
119	400.4	78.0	117.0#
201	0.0	79.0	118.4#



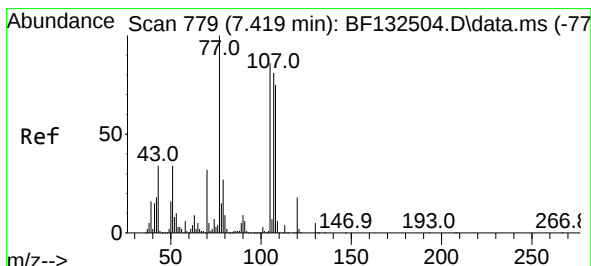
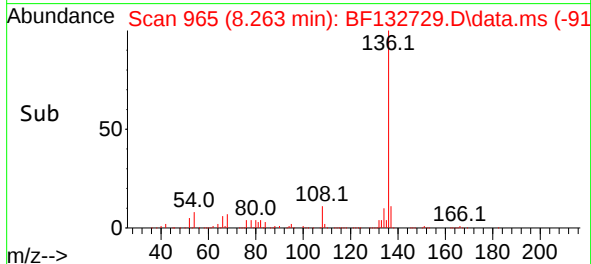
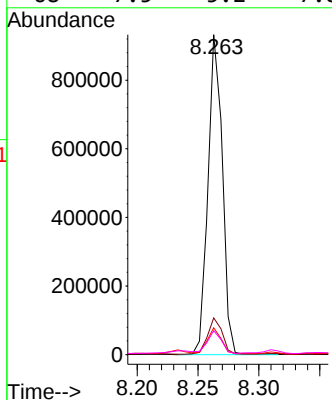


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.263 min Scan# 910
Delta R.T. -0.006 min
Lab File: BF132729.D
Acq: 09 Mar 2023 21:11

Instrument :
BNA_F
ClientSampleId :

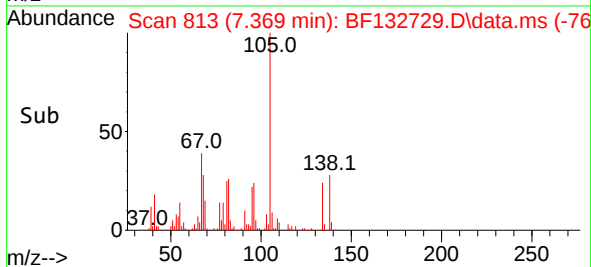
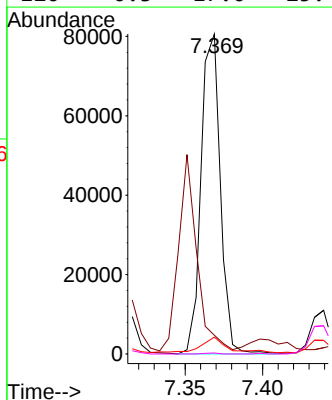
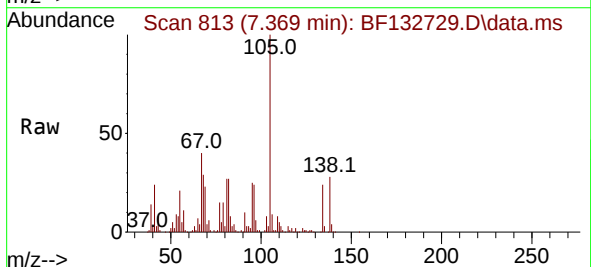


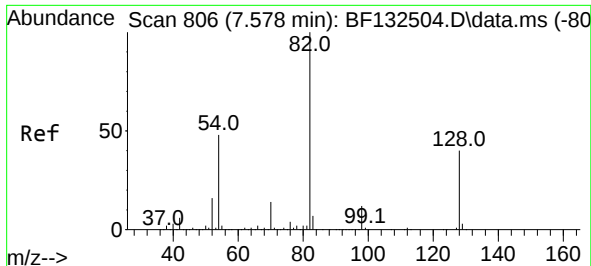
Tgt Ion:136 Resp: 764275
Ion Ratio Lower Upper
136 100
137 11.5 8.9 13.3
54 8.4 6.2 9.4
68 7.5 5.2 7.8



#22
Acetophenone
Concen: 3.627 ng
RT: 7.369 min Scan# 813
Delta R.T. -0.029 min
Lab File: BF132729.D
Acq: 09 Mar 2023 21:11

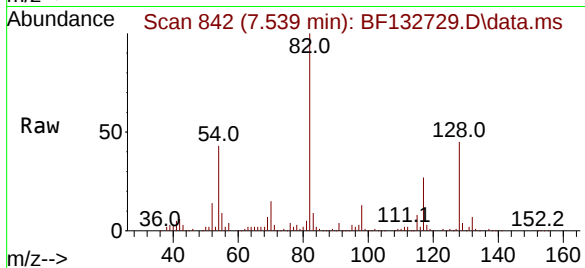
Tgt Ion:105 Resp: 69897
Ion Ratio Lower Upper
105 100
71 5.8 5.0 7.4
51 5.3 31.5 47.3#
120 0.3 17.0 25.4#



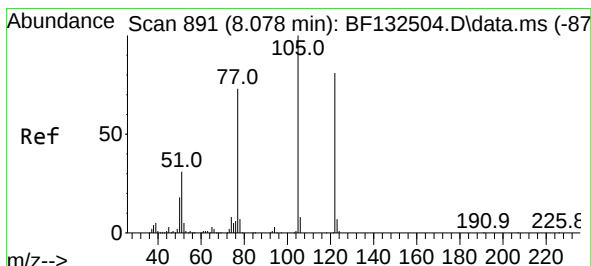
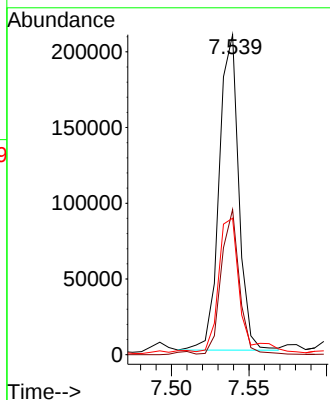
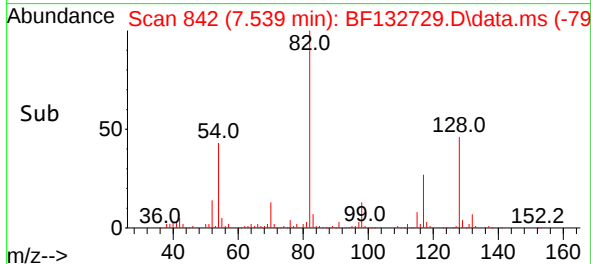


#23
Nitrobenzene-d5
Concen: 11.367 ng
RT: 7.539 min Scan# 84
Delta R.T. -0.018 min
Lab File: BF132729.D
Acq: 09 Mar 2023 21:11

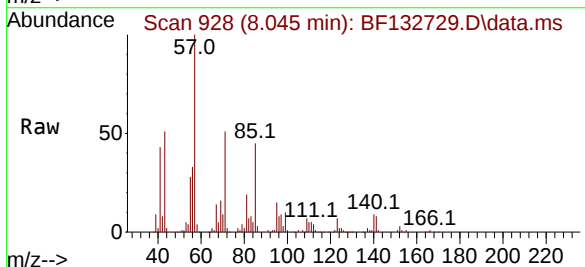
Instrument :
BNA_F
ClientSampleId :



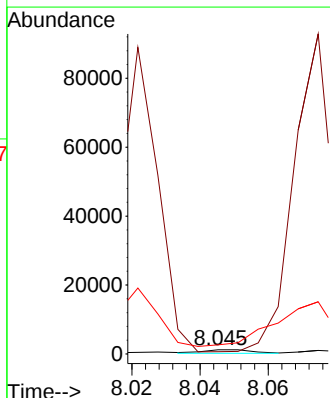
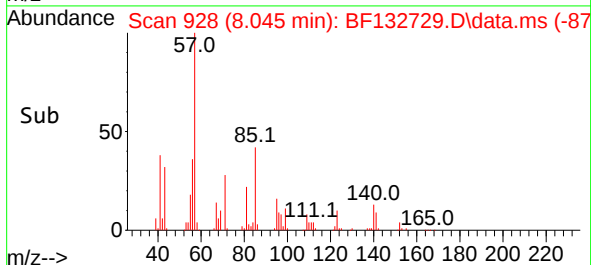
Tgt Ion: 82 Resp: 183105
Ion Ratio Lower Upper
82 100
128 45.4 32.2 48.2
54 42.6 38.4 57.6

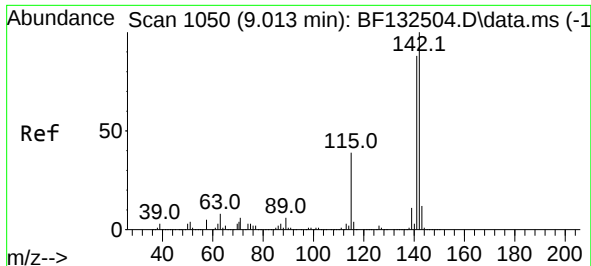


#32
Benzoic acid
Concen: 3.941 ng
RT: 8.045 min Scan# 928
Delta R.T. -0.006 min
Lab File: BF132729.D
Acq: 09 Mar 2023 21:11



Tgt Ion: 122 Resp: 1077
Ion Ratio Lower Upper
122 100
105 53.6 102.6 142.6#
77 215.4 70.2 110.2#

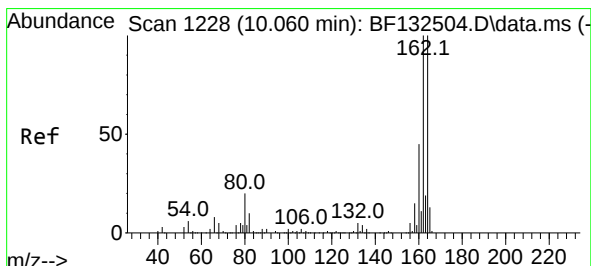
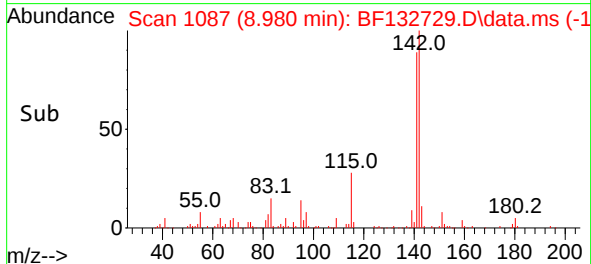
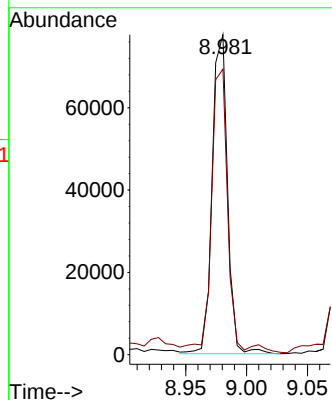
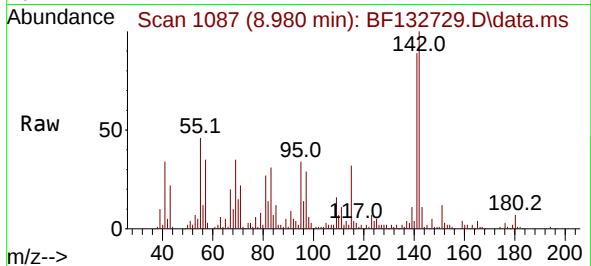




#37
2-Methylnaphthalene
Concen: 2.538 ng
RT: 8.980 min Scan# 1050
Delta R.T. -0.006 min
Lab File: BF132729.D
Acq: 09 Mar 2023 21:11

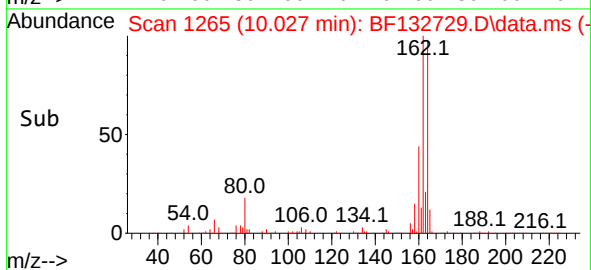
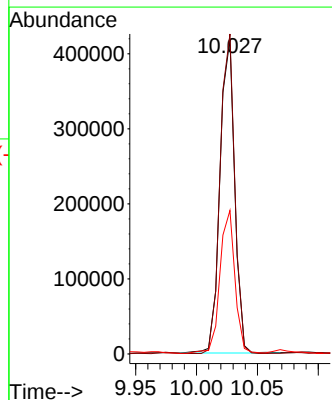
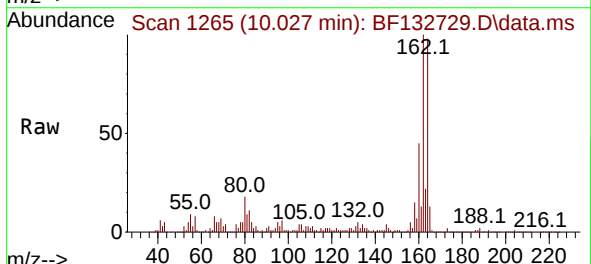
Instrument :
BNA_F
ClientSampleId :

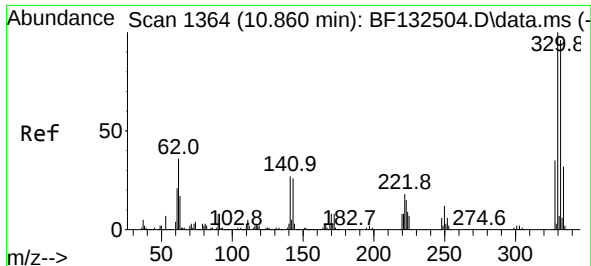
Tgt Ion:142 Resp: 67669
Ion Ratio Lower Upper
142 100
141 89.2 70.2 105.2



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 10.027 min Scan# 1265
Delta R.T. -0.006 min
Lab File: BF132729.D
Acq: 09 Mar 2023 21:11

Tgt Ion:164 Resp: 353574
Ion Ratio Lower Upper
164 100
162 101.6 79.8 119.8
160 45.6 35.8 53.6





#42

2,4,6-Tribromophenol

Concen: 13.569 ng

RT: 10.816 min Scan# 1148

Delta R.T. -0.012 min

Lab File: BF132729.D

Acq: 09 Mar 2023 21:11

Instrument :

BNA_F

ClientSampleId :

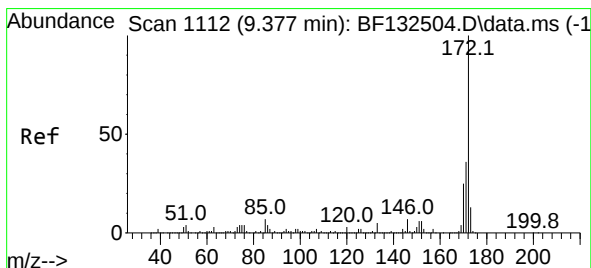
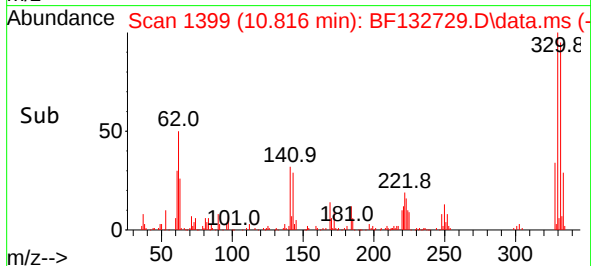
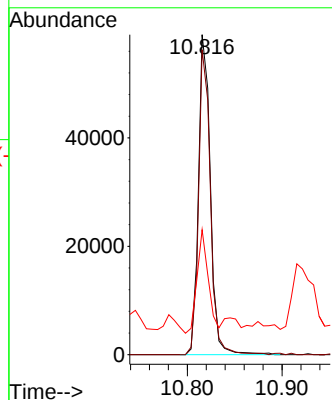
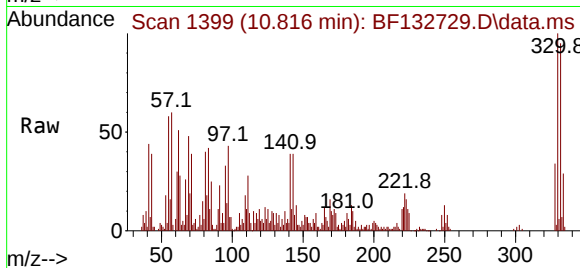
Tgt Ion:330 Resp: 51811

Ion Ratio Lower Upper

330 100

332 94.7 76.2 114.4

141 30.5 28.4 42.6



#45

2-Fluorobiphenyl

Concen: 13.778 ng

RT: 9.339 min Scan# 1148

Delta R.T. -0.006 min

Lab File: BF132729.D

Acq: 09 Mar 2023 21:11

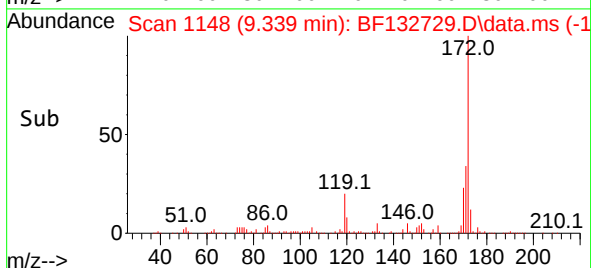
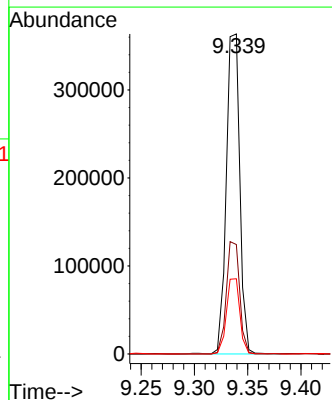
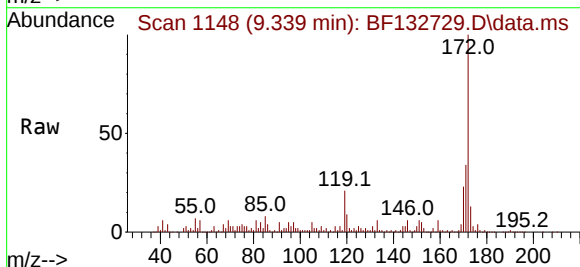
Tgt Ion:172 Resp: 319925

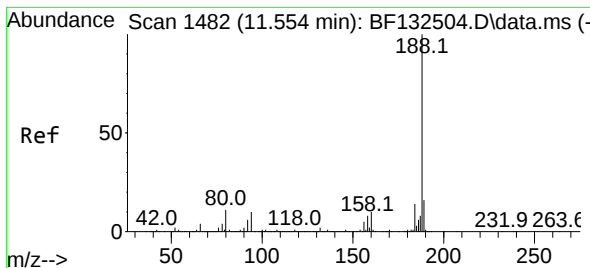
Ion Ratio Lower Upper

172 100

171 34.2 28.8 43.2

170 23.5 19.7 29.5





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.522 min Scan# 1

Delta R.T. -0.006 min

Lab File: BF132729.D

Acq: 09 Mar 2023 21:11

Instrument :

BNA_F

ClientSampleId :

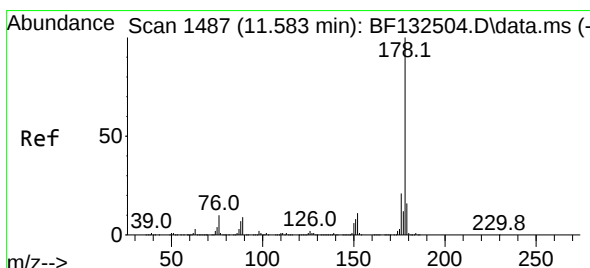
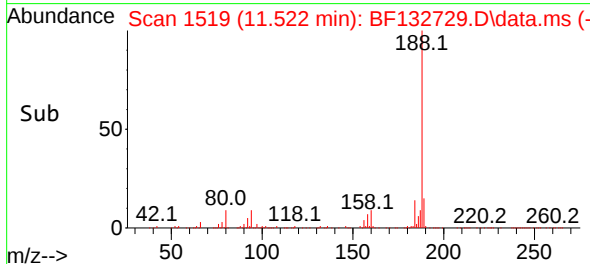
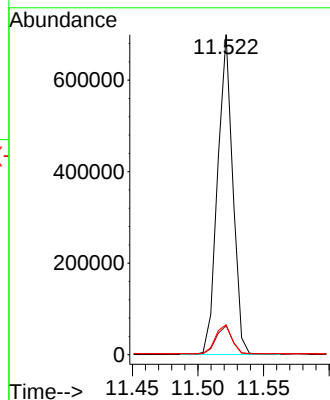
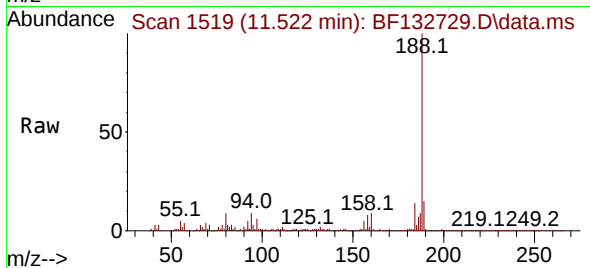
Tgt Ion:188 Resp: 561863

Ion Ratio Lower Upper

188 100

94 9.1 8.3 12.5

80 9.4 8.7 13.1



#71

Phenanthrene

Concen: 2.541 ng

RT: 11.545 min Scan# 1523

Delta R.T. -0.012 min

Lab File: BF132729.D

Acq: 09 Mar 2023 21:11

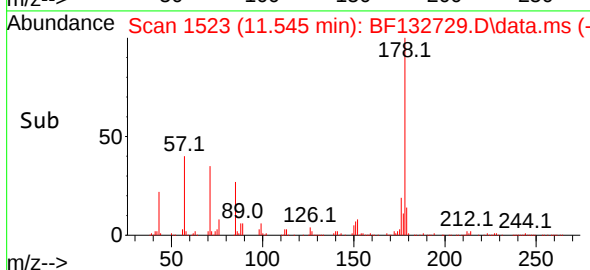
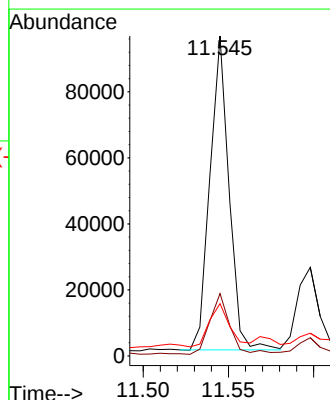
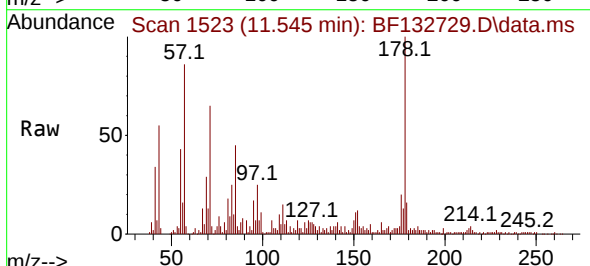
Tgt Ion:178 Resp: 73967

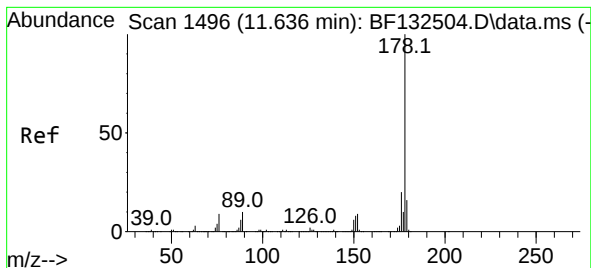
Ion Ratio Lower Upper

178 100

176 19.5 16.5 24.7

179 16.4 13.0 19.6





#72

Anthracene

Concen: 2.468 ng

RT: 11.545 min Scan# 1

Delta R.T. -0.059 min

Lab File: BF132729.D

Acq: 09 Mar 2023 21:11

Instrument :

BNA_F

ClientSampleId :

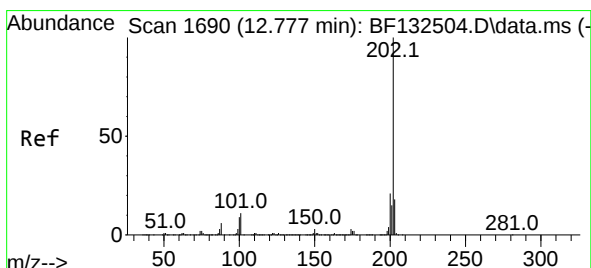
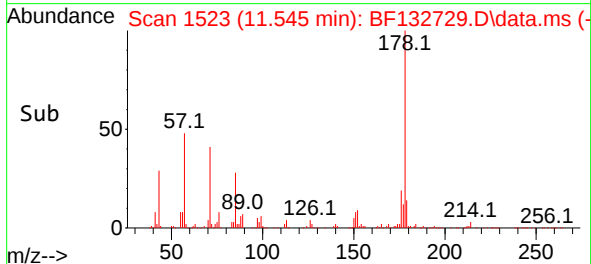
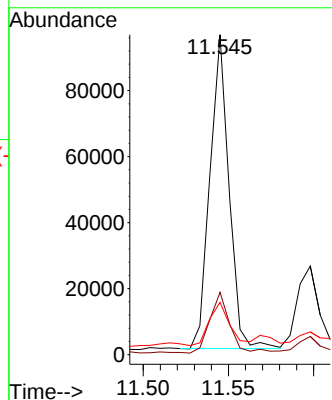
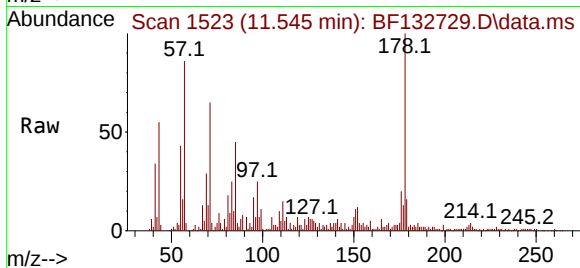
Tgt Ion:178 Resp: 73967

Ion Ratio Lower Upper

178 100

176 19.5 15.6 23.4

179 16.4 12.5 18.7



#75

Fluoranthene

Concen: 4.113 ng

RT: 12.739 min Scan# 1726

Delta R.T. -0.012 min

Lab File: BF132729.D

Acq: 09 Mar 2023 21:11

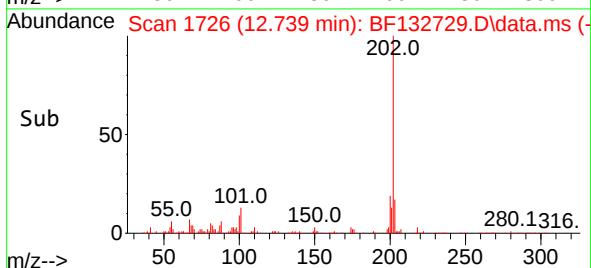
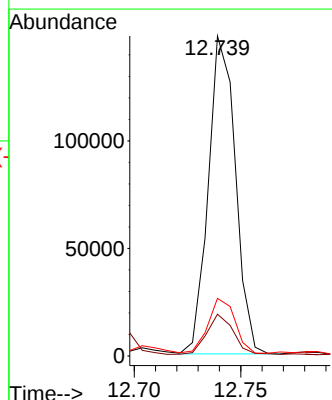
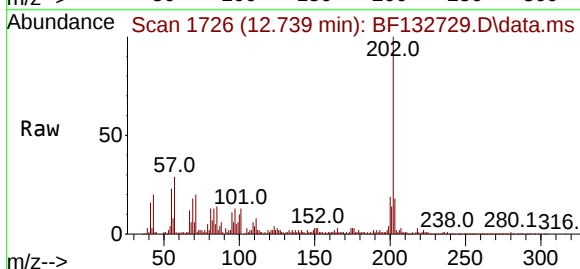
Tgt Ion:202 Resp: 130861

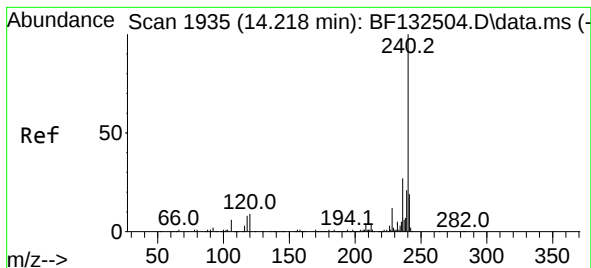
Ion Ratio Lower Upper

202 100

101 13.1 0.0 31.4

203 18.0 0.0 38.0





#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.180 min Scan# 1935

Delta R.T. -0.006 min

Lab File: BF132729.D

Acq: 09 Mar 2023 21:11

Instrument :

BNA_F

ClientSampleId :

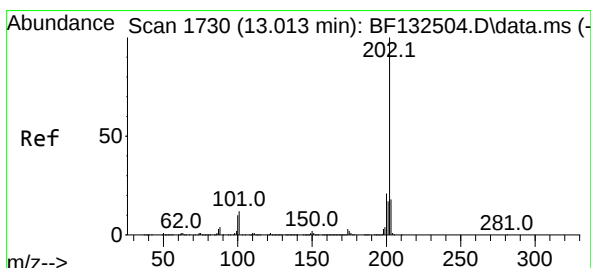
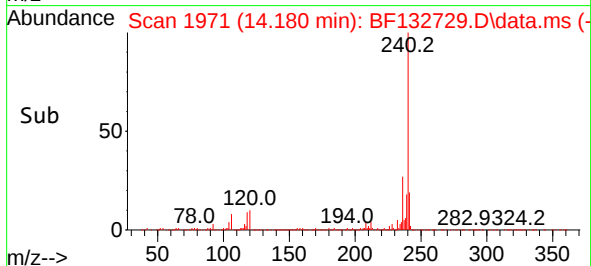
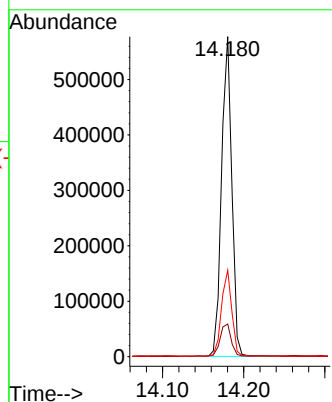
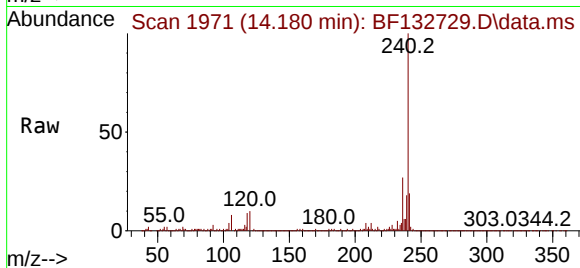
Tgt Ion:240 Resp: 508844

Ion Ratio Lower Upper

240 100

120 10.2 7.2 10.8

236 27.0 21.8 32.6



#78

Pyrene

Concen: 3.564 ng

RT: 12.974 min Scan# 1766

Delta R.T. -0.006 min

Lab File: BF132729.D

Acq: 09 Mar 2023 21:11

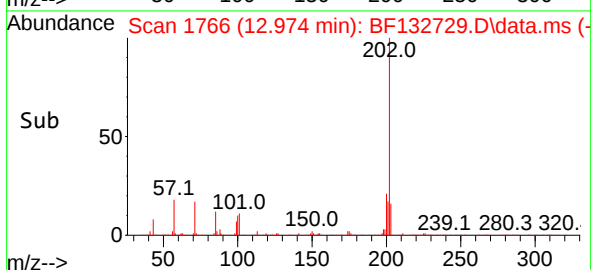
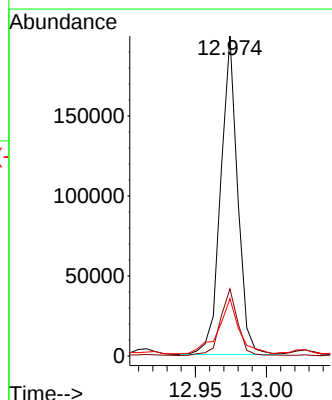
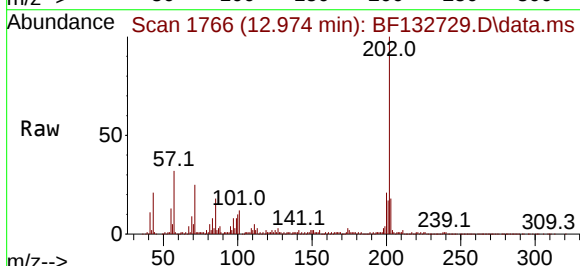
Tgt Ion:202 Resp: 164885

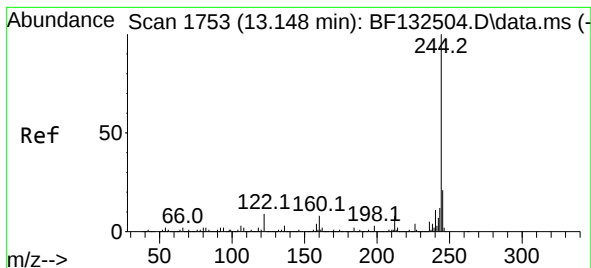
Ion Ratio Lower Upper

202 100

200 20.9 17.1 25.7

203 17.9 14.6 21.8





#79

Terphenyl-d14

Concen: 10.505 ng

RT: 13.110 min Scan# 1

Delta R.T. -0.006 min

Lab File: BF132729.D

Acq: 09 Mar 2023 21:11

Instrument :

BNA_F

ClientSampleId :

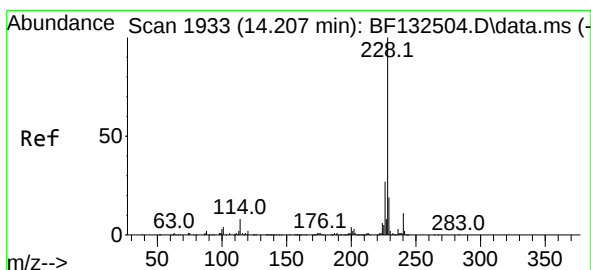
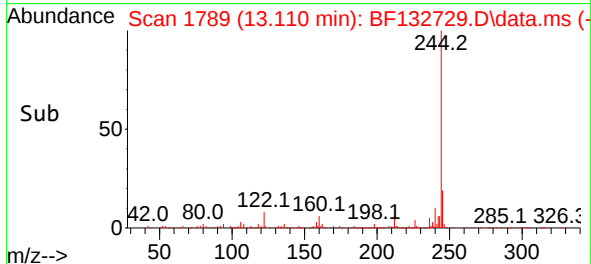
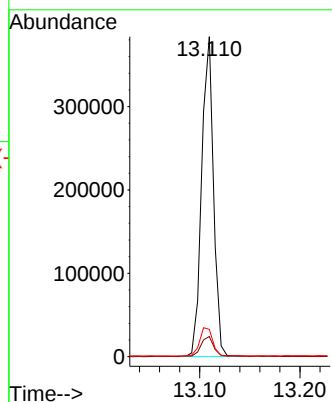
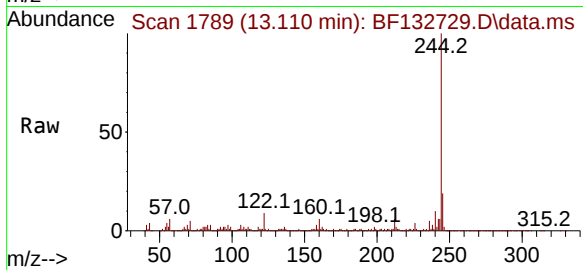
Tgt Ion:244 Resp: 316171

Ion Ratio Lower Upper

244 100

212 6.3 6.5 9.7#

122 8.5 7.5 11.3



#81

Benzo(a)anthracene

Concen: 2.759 ng

RT: 14.168 min Scan# 1969

Delta R.T. -0.006 min

Lab File: BF132729.D

Acq: 09 Mar 2023 21:11

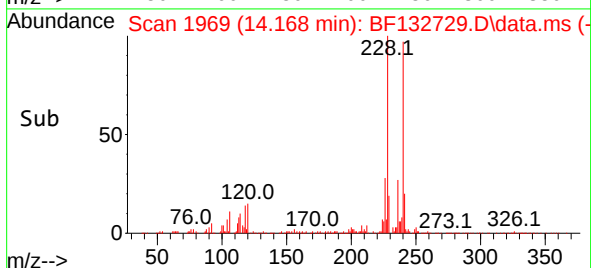
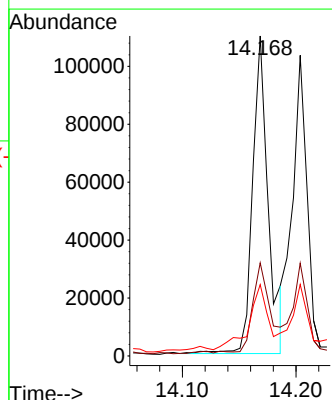
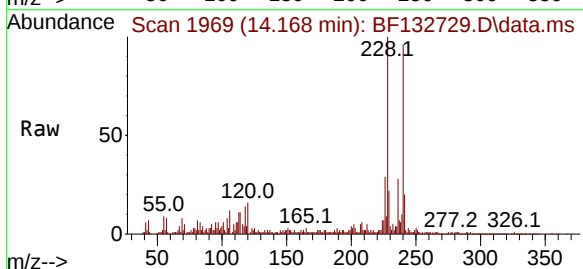
Tgt Ion:228 Resp: 105036

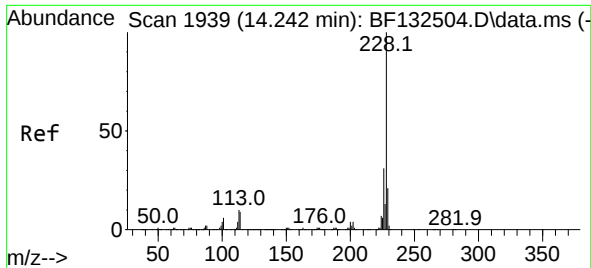
Ion Ratio Lower Upper

228 100

226 29.1 21.7 32.5

229 22.3 15.4 23.2

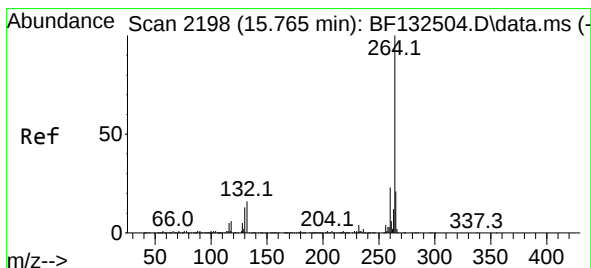
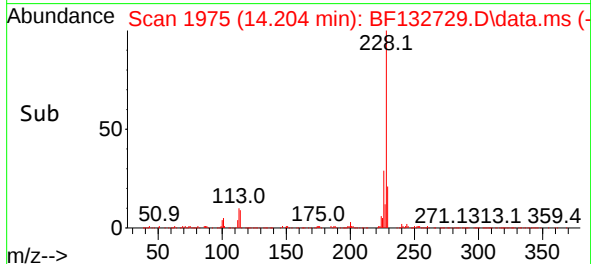
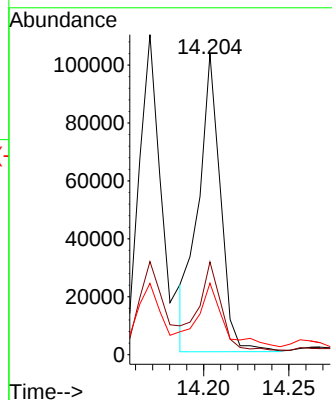
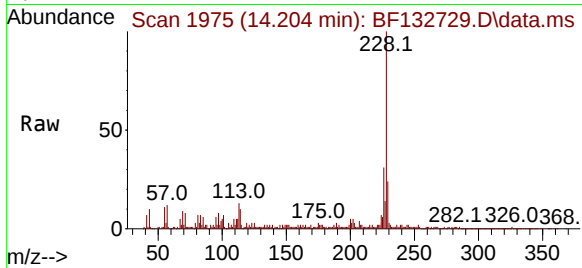




#83
Chrysene
Concen: 2.626 ng
RT: 14.204 min Scan# 1939
Delta R.T. -0.012 min
Lab File: BF132729.D
Acq: 09 Mar 2023 21:11

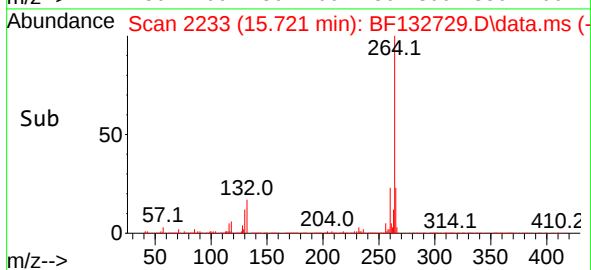
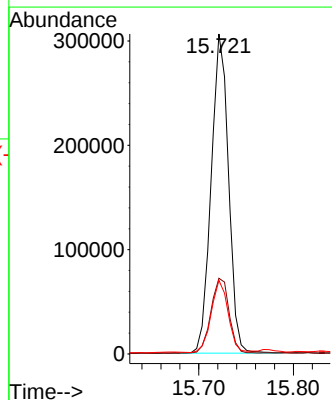
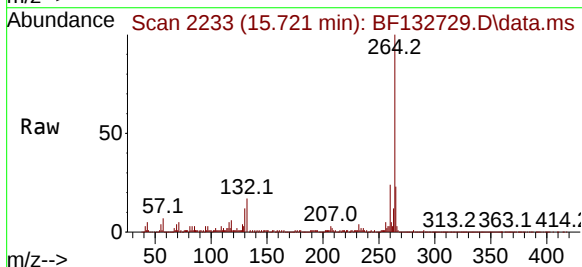
Instrument :
BNA_F
ClientSampleId :

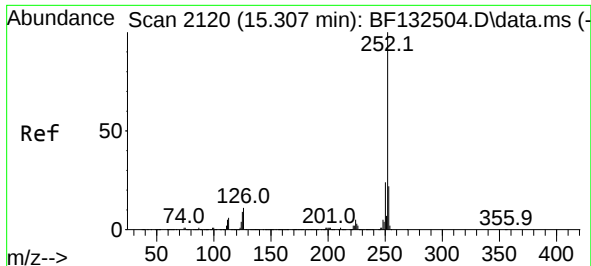
Tgt Ion:228 Resp: 93496
Ion Ratio Lower Upper
228 100
226 30.9 25.0 37.6
229 23.8 16.4 24.6



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.721 min Scan# 2233
Delta R.T. -0.006 min
Lab File: BF132729.D
Acq: 09 Mar 2023 21:11

Tgt Ion:264 Resp: 388359
Ion Ratio Lower Upper
264 100
260 23.7 18.8 28.2
265 23.0 17.1 25.7

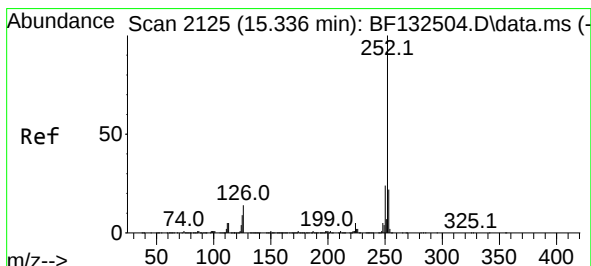
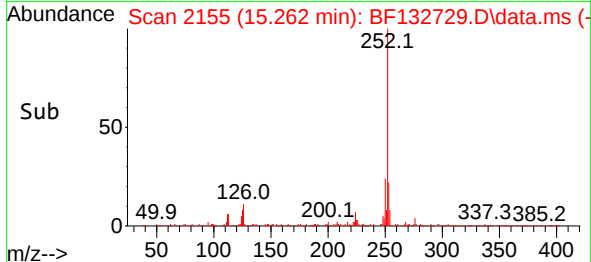
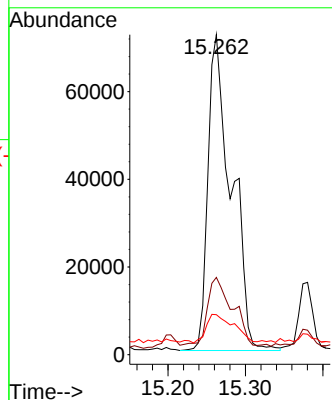
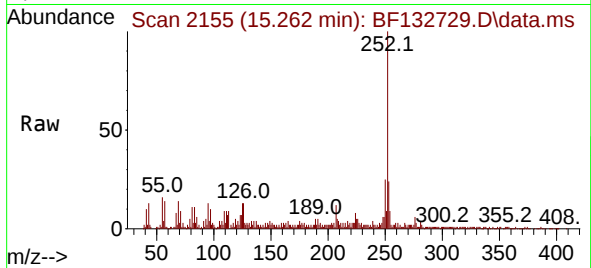




#88
Benzo(b)fluoranthene
Concen: 5.814 ng
RT: 15.262 min Scan# 2115
Delta R.T. -0.006 min
Lab File: BF132729.D
Acq: 09 Mar 2023 21:11

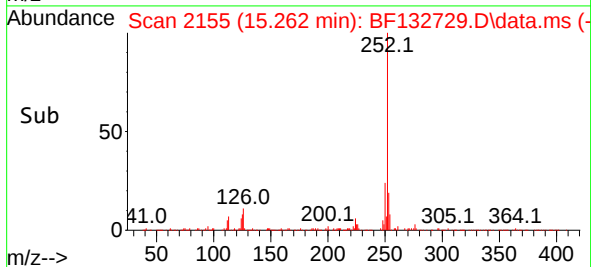
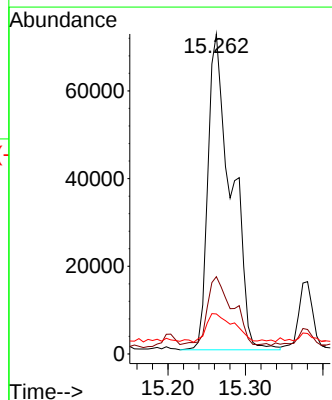
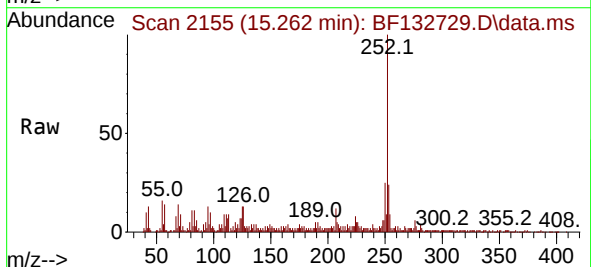
Instrument :
BNA_F
ClientSampleId :

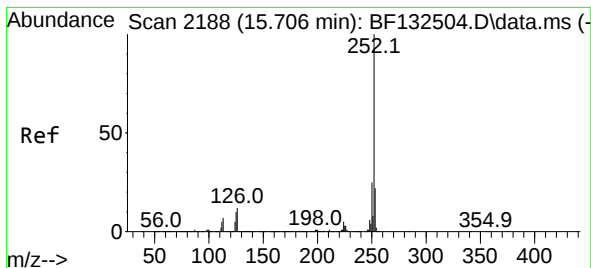
Tgt Ion:252 Resp: 151319
Ion Ratio Lower Upper
252 100
253 24.1 17.4 26.0
125 12.5 7.0 10.6#



#89
Benzo(k)fluoranthene
Concen: 5.941 ng
RT: 15.262 min Scan# 2155
Delta R.T. -0.041 min
Lab File: BF132729.D
Acq: 09 Mar 2023 21:11

Tgt Ion:252 Resp: 151319
Ion Ratio Lower Upper
252 100
253 24.1 17.5 26.3
125 12.5 7.2 10.8#





#90

Benzo(a)pyrene

Concen: 2.995 ng

RT: 15.657 min Scan# 21

Delta R.T. -0.006 min

Lab File: BF132729.D

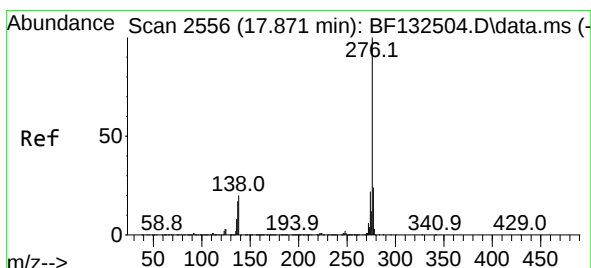
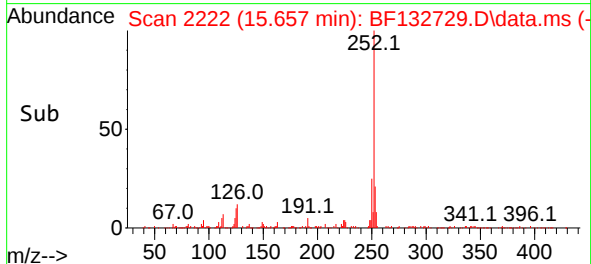
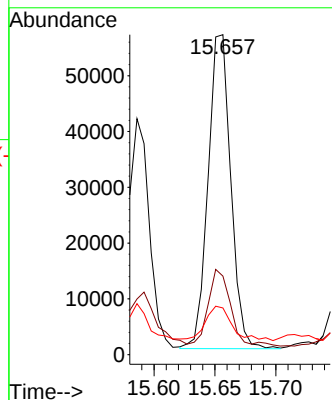
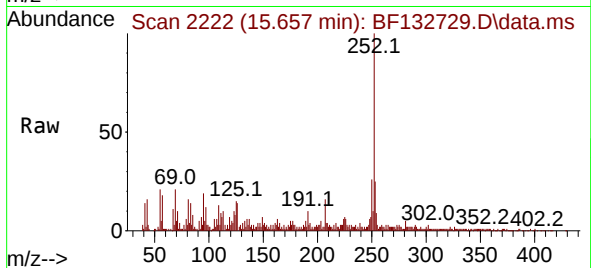
Acq: 09 Mar 2023 21:11

Instrument :

BNA_F

ClientSampleId :

Tgt Ion:252	Resp:	72959
Ion Ratio	Lower	Upper
252	100	
253	24.6	17.2 25.8
125	14.6	8.0 12.0#



#92

Benzo(g,h,i)perylene

Concen: 3.144 ng

RT: 17.792 min Scan# 2585

Delta R.T. -0.023 min

Lab File: BF132729.D

Acq: 09 Mar 2023 21:11

Tgt Ion:276	Resp:	37102
Ion Ratio	Lower	Upper
276	100	
277	27.3	18.9 28.3
138	25.7	16.2 24.4#

