

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF030923\
 Data File : BF132728.D
 Acq On : 09 Mar 2023 20:39
 Operator : CG\JU
 Sample : 01828-01
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Mar 10 03:40:03 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)

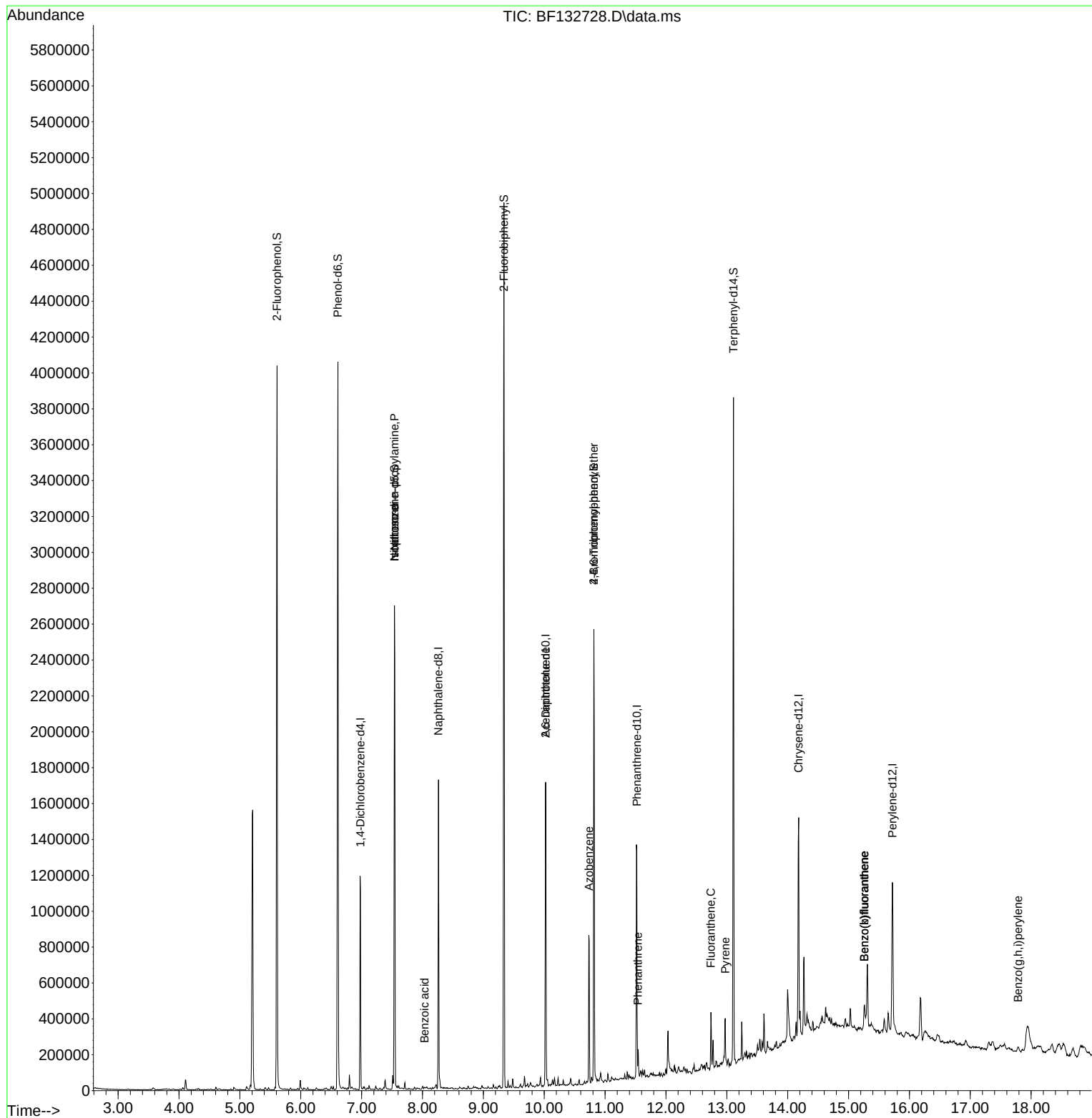
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.981	152	178066	20.000	ng	0.00
21) Naphthalene-d8	8.263	136	649545	20.000	ng	0.00
39) Acenaphthene-d10	10.022	164	316320	20.000	ng	-0.01
64) Phenanthrene-d10	11.522	188	514146	20.000	ng	# 0.00
76) Chrysene-d12	14.180	240	398719	20.000	ng	0.00
86) Perylene-d12	15.721	264	385654	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.610	112	1133183	103.283	ng	0.00
7) Phenol-d6	6.610	99	1407303	98.283	ng	-0.01
23) Nitrobenzene-d5	7.540	82	898616	65.637	ng	-0.02
42) 2,4,6-Tribromophenol	10.816	330	297087	86.966	ng	-0.01
45) 2-Fluorobiphenyl	9.339	172	1374471	66.163	ng	0.00
79) Terphenyl-d14	13.110	244	1254882	53.213	ng	0.00
Target Compounds						Qvalue
19) n-Nitroso-di-n-propyla...	7.540	70	119525	13.563	ng	# 76
25) Isophorone	7.540	82	894384	34.074	ng	# 67
32) Benzoic acid	8.034	122	2911	4.169	ng	# 33
51) 2,6-Dinitrotoluene	10.022	165	42935	8.185	ng	# 23
63) Azobenzene	10.733	77	148837	6.248	ng	# 1
67) 4-Bromophenyl-phenylether	10.816	248	19170	3.296	ng	# 1
71) Phenanthrene	11.539	178	55734	2.092	ng	98
75) Fluoranthene	12.739	202	114948	3.948	ng	99
78) Pyrene	12.974	202	107360	2.962	ng	100
88) Benzo(b)fluoranthene	15.257	252	79420	3.073	ng	# 89
89) Benzo(k)fluoranthene	15.257	252	79420	3.140	ng	# 89
92) Benzo(g,h,i)perylene	17.786	276	23718	2.599	ng	# 91

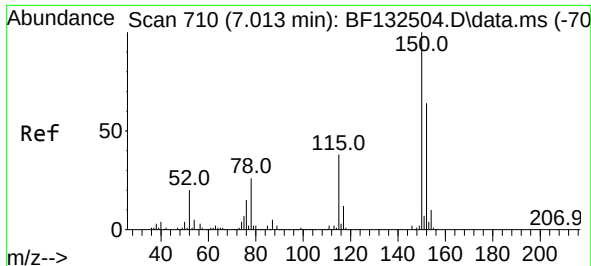
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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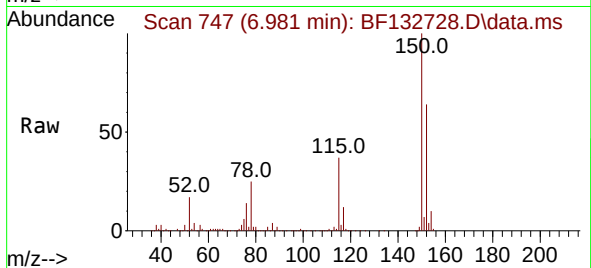
Quant Time: Mar 10 03:40:03 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF022223.M
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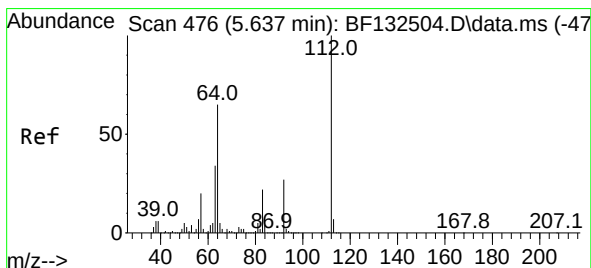
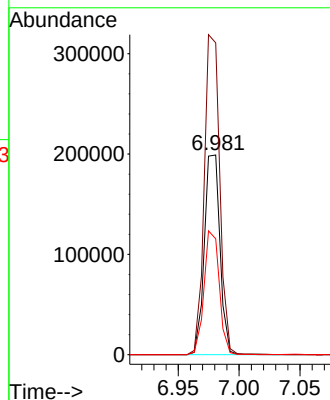
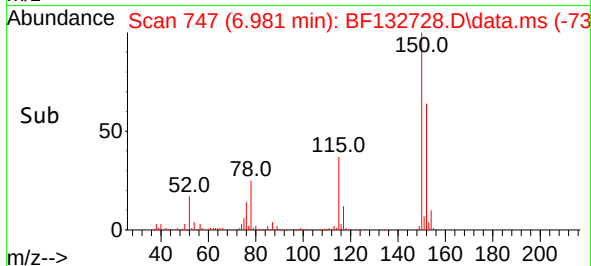


#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.981 min Scan# 710
Delta R.T. -0.000 min
Lab File: BF132728.D
Acq: 09 Mar 2023 20:39

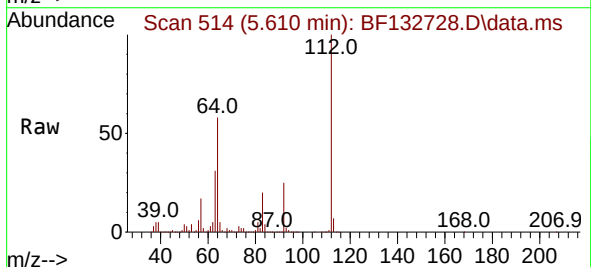
Instrument :
BNA_F
ClientSampleId :



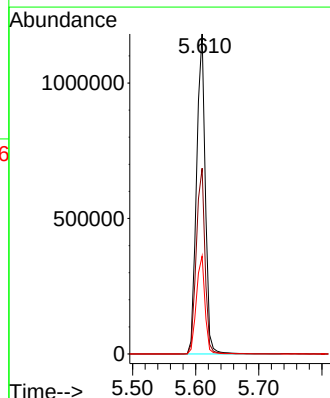
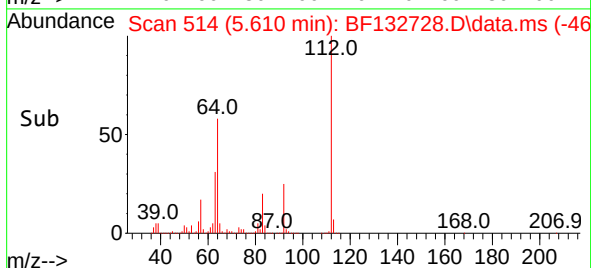
Tgt Ion:152 Resp: 178066
Ion Ratio Lower Upper
152 100
150 156.2 125.4 188.2
115 58.0 47.8 71.6

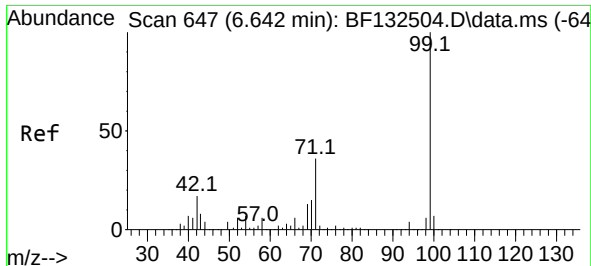


#5
2-Fluorophenol
Concen: 103.283 ng
RT: 5.610 min Scan# 514
Delta R.T. 0.000 min
Lab File: BF132728.D
Acq: 09 Mar 2023 20:39



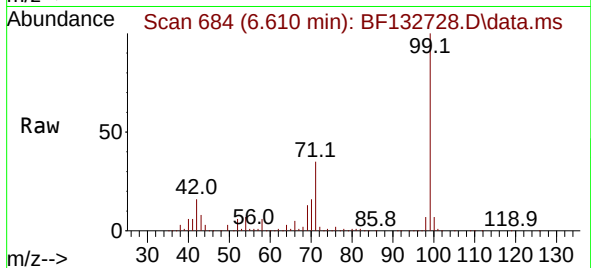
Tgt Ion:112 Resp: 1133183
Ion Ratio Lower Upper
112 100
64 58.0 51.6 77.4
63 30.6 27.4 41.2





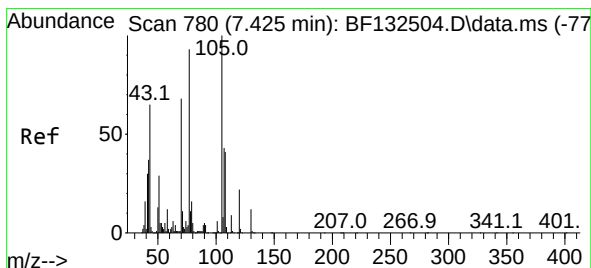
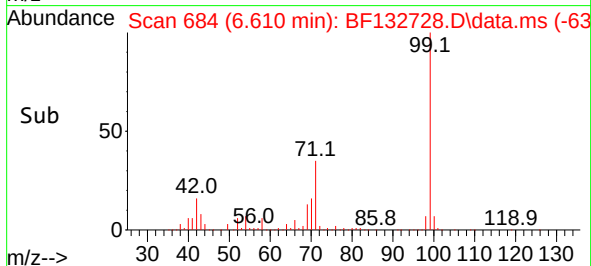
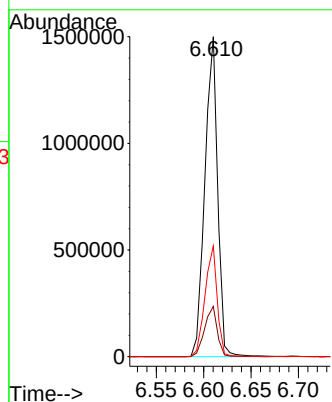
#7
Phenol-d6
Concen: 98.283 ng
RT: 6.610 min Scan# 61
Delta R.T. -0.012 min
Lab File: BF132728.D
Acq: 09 Mar 2023 20:39

Instrument :
BNA_F
ClientSampleId :



Tgt Ion: 99 Resp: 1407303

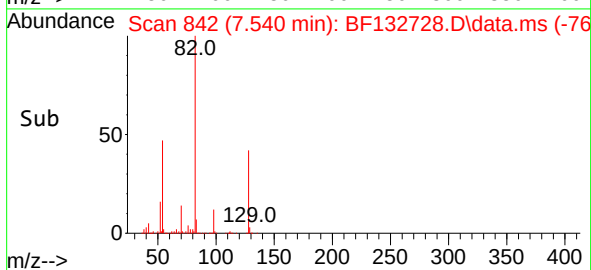
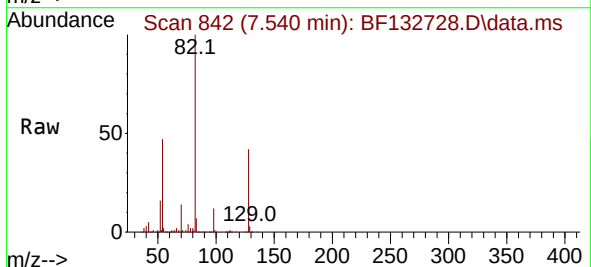
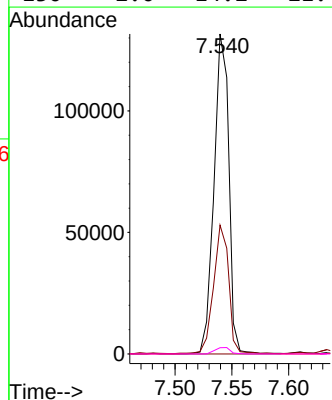
Ion	Ratio	Lower	Upper
99	100		
42	15.7	13.9	20.9
71	34.6	28.5	42.7

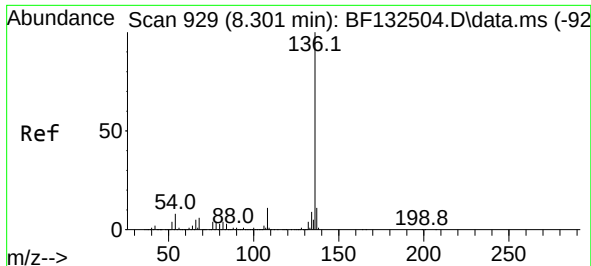


#19
n-Nitroso-di-n-propylamine
Concen: 13.563 ng
RT: 7.540 min Scan# 842
Delta R.T. 0.141 min
Lab File: BF132728.D
Acq: 09 Mar 2023 20:39

Tgt Ion: 70 Resp: 119525

Ion	Ratio	Lower	Upper
70	100		
42	40.3	44.1	66.1#
101	0.0	7.4	11.2#
130	2.0	14.2	21.4#

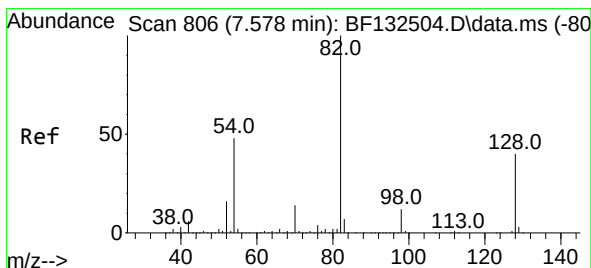
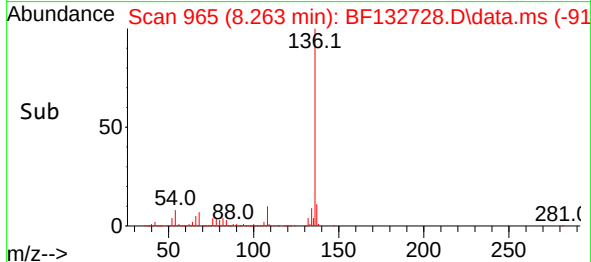
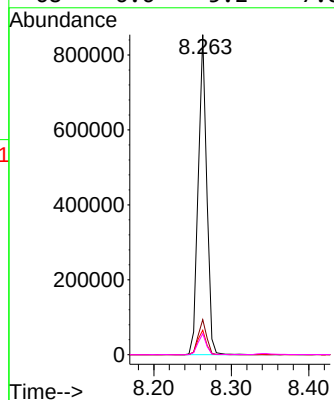
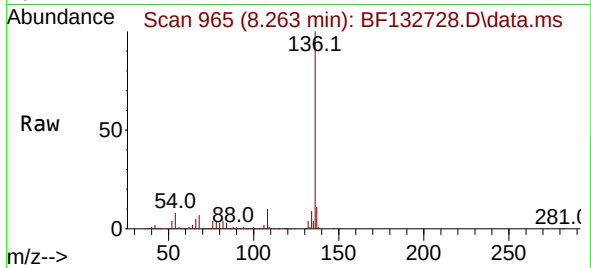




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.263 min Scan# 91
Delta R.T. -0.006 min
Lab File: BF132728.D
Acq: 09 Mar 2023 20:39

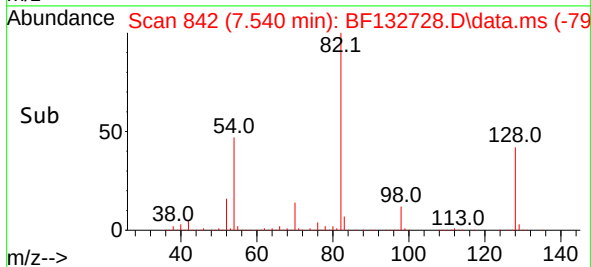
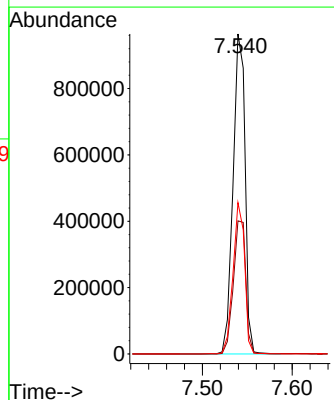
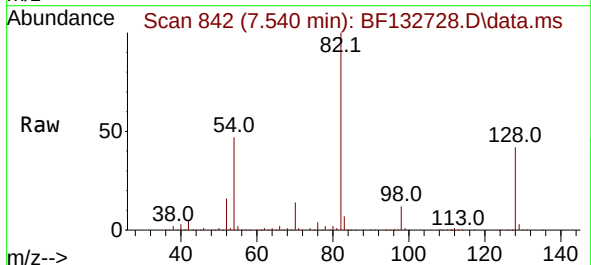
Instrument :
BNA_F
ClientSampleId :

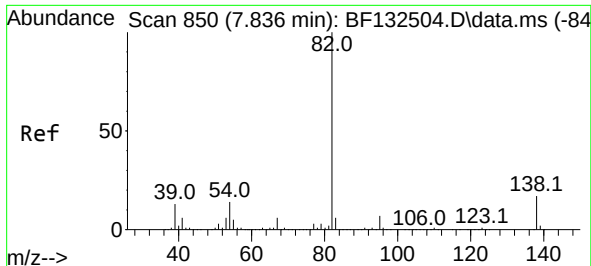
Tgt Ion:136 Resp: 649545
Ion Ratio Lower Upper
136 100
137 10.9 8.9 13.3
54 7.6 6.2 9.4
68 6.6 5.2 7.8



#23
Nitrobenzene-d5
Concen: 65.637 ng
RT: 7.540 min Scan# 842
Delta R.T. -0.017 min
Lab File: BF132728.D
Acq: 09 Mar 2023 20:39

Tgt Ion: 82 Resp: 898616
Ion Ratio Lower Upper
82 100
128 41.6 32.2 48.2
54 47.3 38.4 57.6

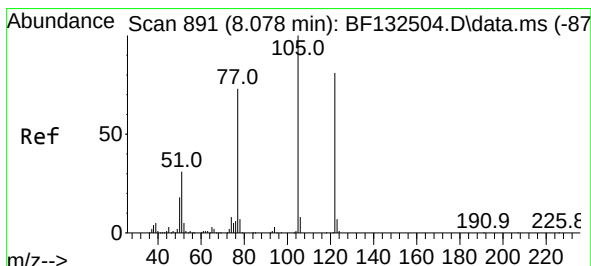
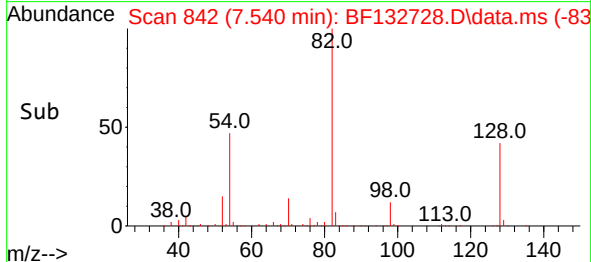
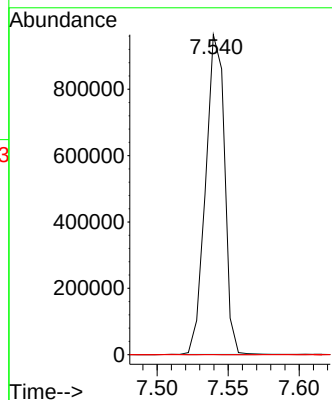
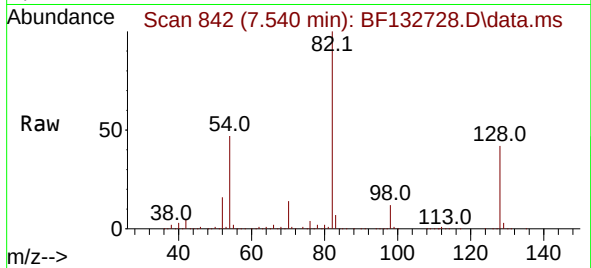




#25
Isophorone
Concen: 34.074 ng
RT: 7.540 min Scan# 84
Delta R.T. -0.270 min
Lab File: BF132728.D
Acq: 09 Mar 2023 20:39

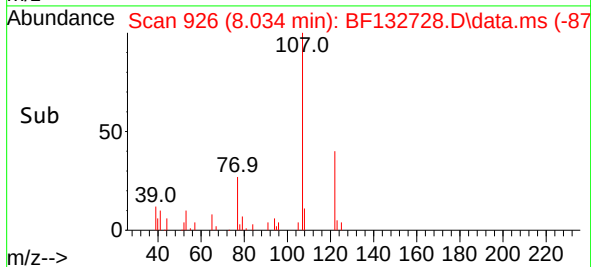
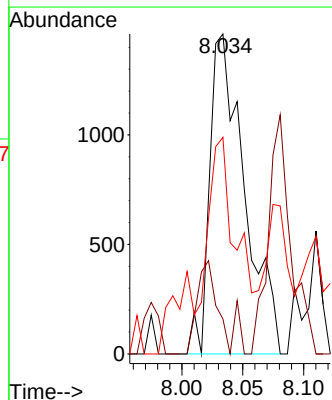
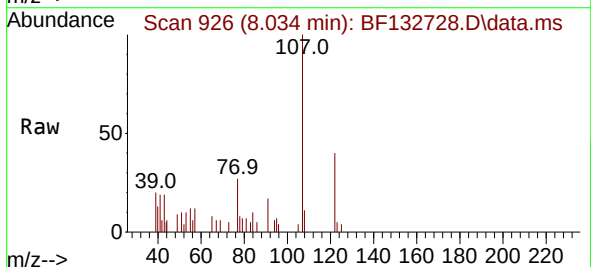
Instrument :
BNA_F
ClientSampleId :

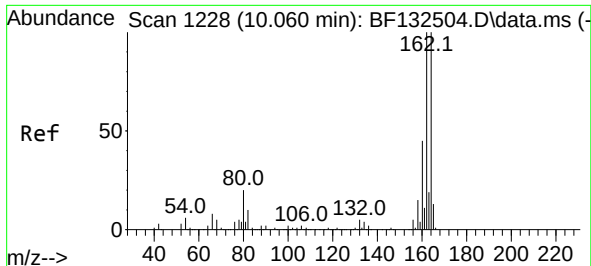
Tgt Ion: 82 Resp: 894384
Ion Ratio Lower Upper
82 100
95 0.0 5.7 8.5#
138 0.0 13.3 19.9#



#32
Benzoic acid
Concen: 4.169 ng
RT: 8.034 min Scan# 926
Delta R.T. -0.017 min
Lab File: BF132728.D
Acq: 09 Mar 2023 20:39

Tgt Ion: 122 Resp: 2911
Ion Ratio Lower Upper
122 100
105 11.0 102.6 142.6#
77 67.7 70.2 110.2#





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 10.022 min Scan# 1

Delta R.T. -0.012 min

Lab File: BF132728.D

Acq: 09 Mar 2023 20:39

Instrument :

BNA_F

ClientSampleId :

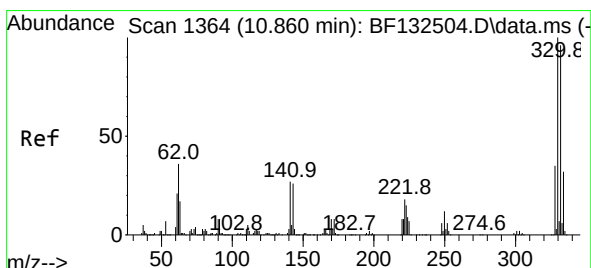
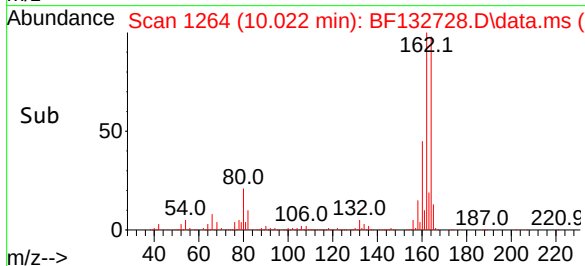
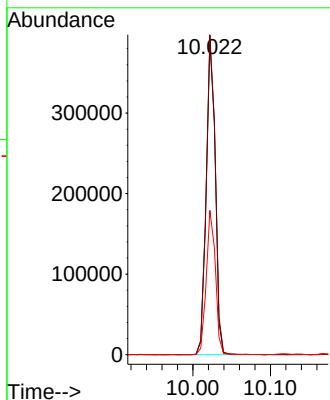
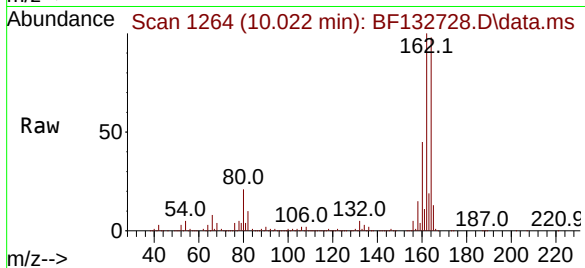
Tgt Ion:164 Resp: 316320

Ion Ratio Lower Upper

164 100

162 101.9 79.8 119.8

160 46.0 35.8 53.6



#42

2,4,6-Tribromophenol

Concen: 86.966 ng

RT: 10.816 min Scan# 1399

Delta R.T. -0.012 min

Lab File: BF132728.D

Acq: 09 Mar 2023 20:39

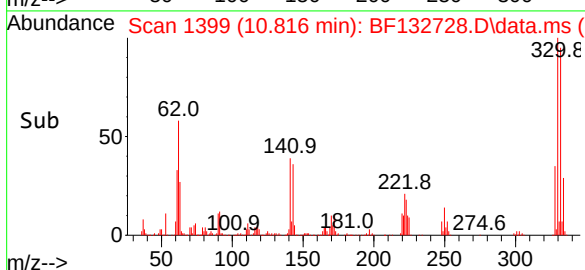
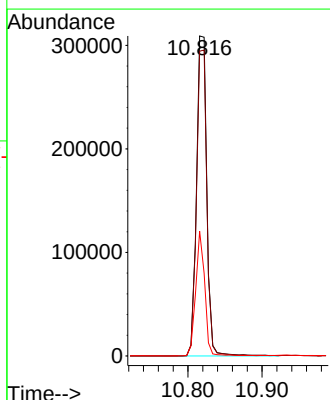
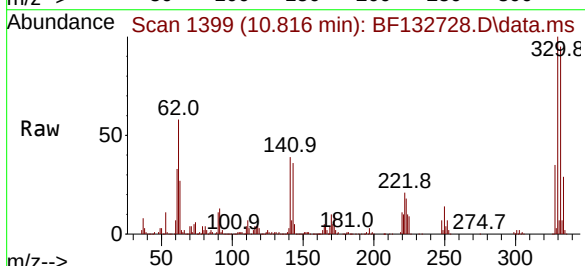
Tgt Ion:330 Resp: 297087

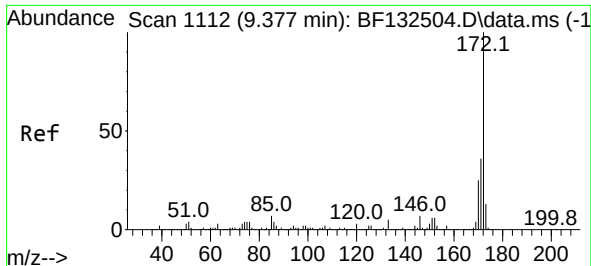
Ion Ratio Lower Upper

330 100

332 95.9 76.2 114.4

141 34.7 28.4 42.6





#45

2-Fluorobiphenyl

Concen: 66.163 ng

RT: 9.339 min Scan# 1112

Delta R.T. -0.006 min

Lab File: BF132728.D

Acq: 09 Mar 2023 20:39

Instrument :

BNA_F

ClientSampleId :

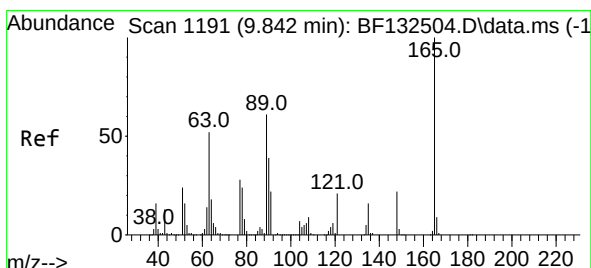
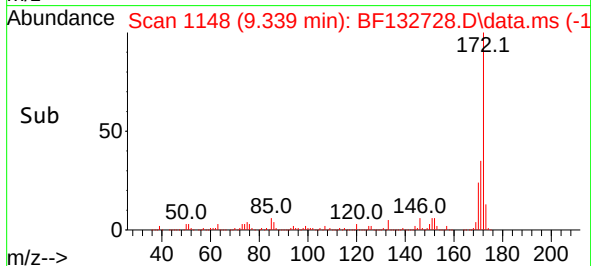
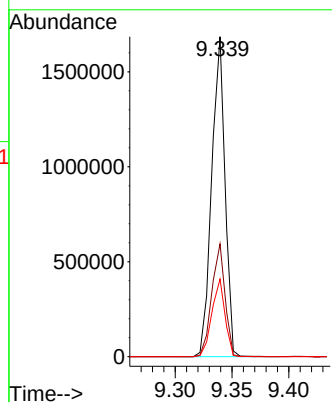
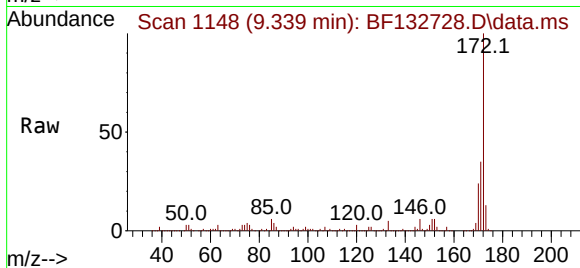
Tgt Ion:172 Resp: 1374471

Ion Ratio Lower Upper

172 100

171 35.3 28.8 43.2

170 24.3 19.7 29.5



#51

2,6-Dinitrotoluene

Concen: 8.185 ng

RT: 10.022 min Scan# 1264

Delta R.T. 0.206 min

Lab File: BF132728.D

Acq: 09 Mar 2023 20:39

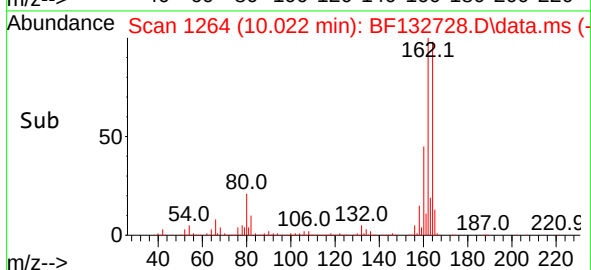
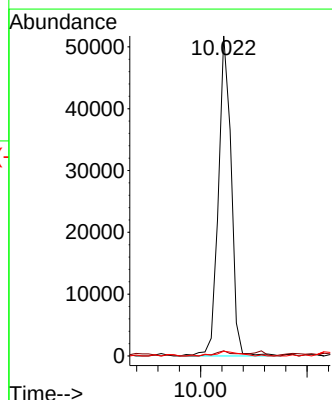
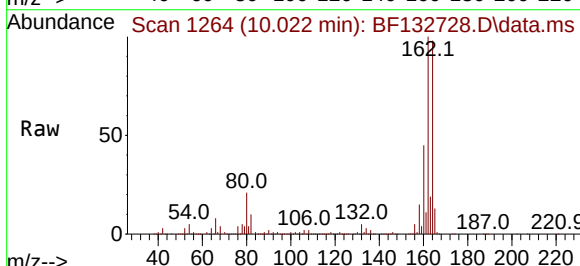
Tgt Ion:165 Resp: 42935

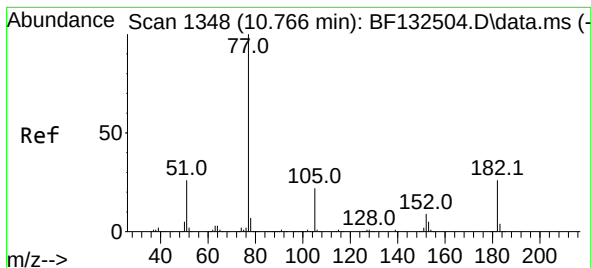
Ion Ratio Lower Upper

165 100

63 1.6 47.3 70.9#

89 1.5 48.9 73.3#





#63

Azobenzene

Concen: 6.248 ng

RT: 10.733 min Scan# 11

Delta R.T. 0.000 min

Lab File: BF132728.D

Acq: 09 Mar 2023 20:39

Instrument :

BNA_F

ClientSampleId :

Tgt Ion: 77 Resp: 148837

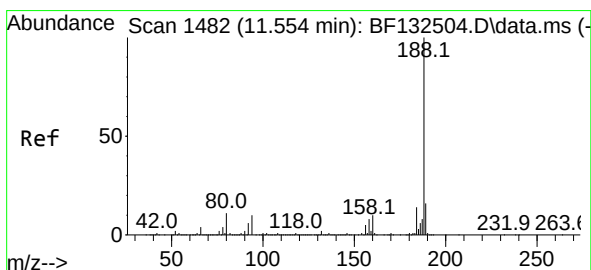
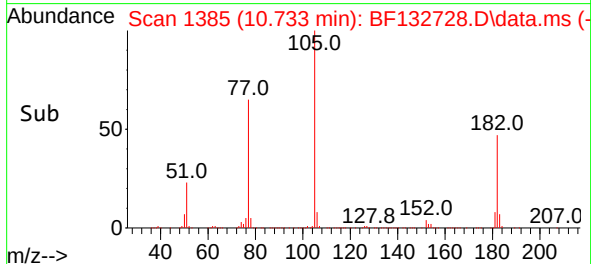
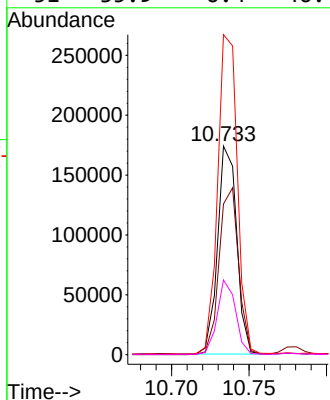
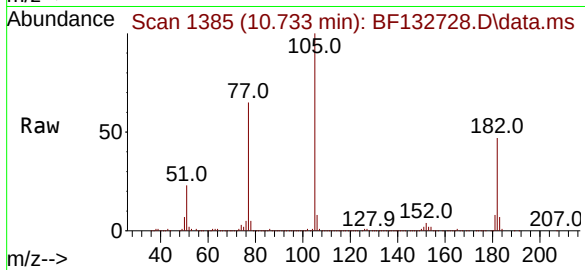
Ion Ratio Lower Upper

77 100

182 72.2 5.5 45.5#

105 153.4 1.8 41.8#

51 35.9 6.4 46.4



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.522 min Scan# 1519

Delta R.T. -0.006 min

Lab File: BF132728.D

Acq: 09 Mar 2023 20:39

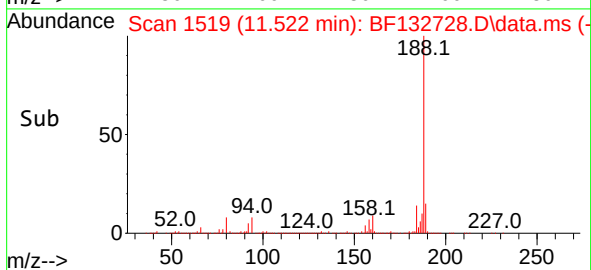
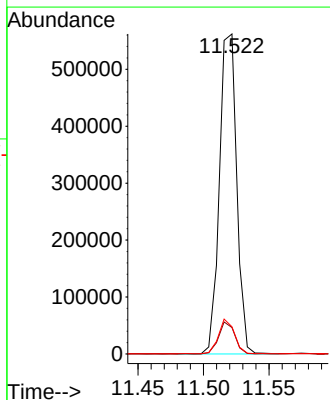
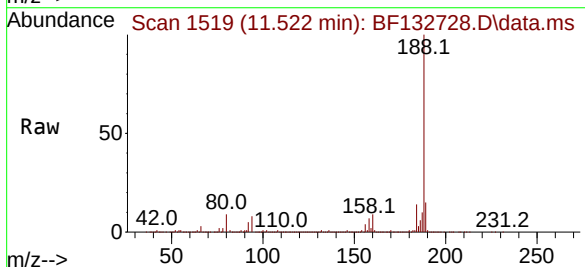
Tgt Ion: 188 Resp: 514146

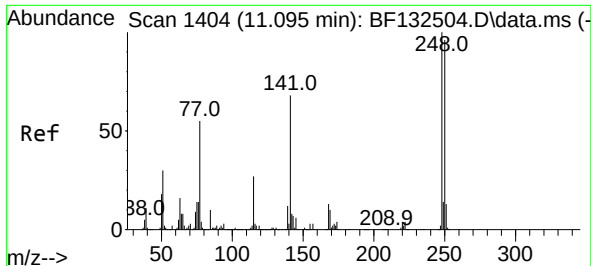
Ion Ratio Lower Upper

188 100

94 8.3 8.3 12.5#

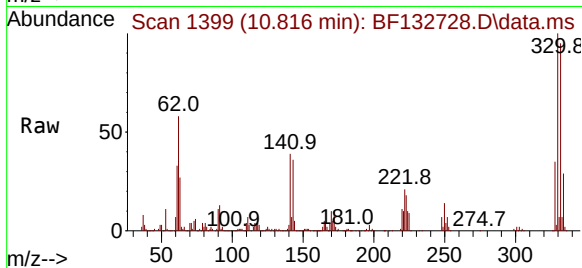
80 8.5 8.7 13.1#



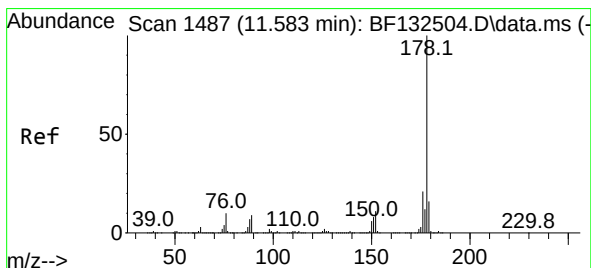
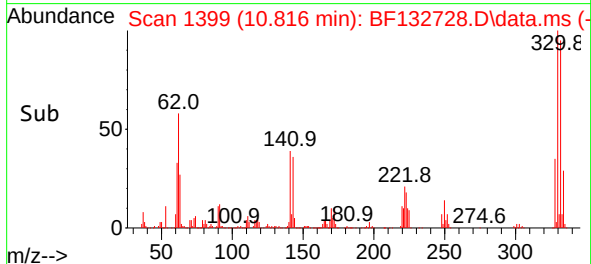
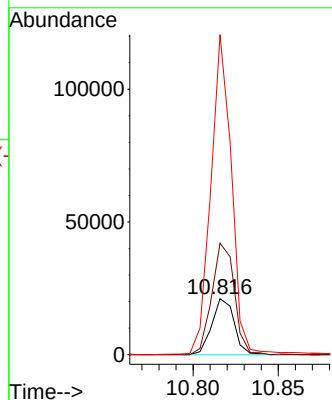


#67
4-Bromophenyl-phenylether
Concen: 3.296 ng
RT: 10.816 min Scan# 11
Delta R.T. -0.247 min
Lab File: BF132728.D
Acq: 09 Mar 2023 20:39

Instrument :
BNA_F
ClientSampleId :

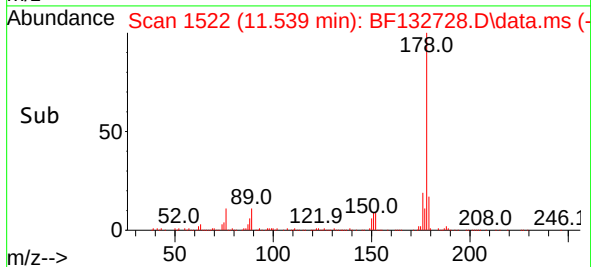
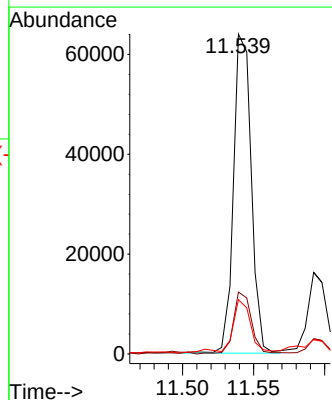
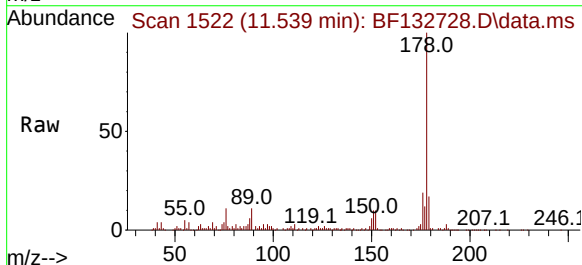


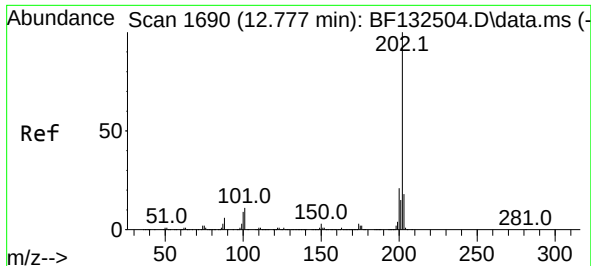
Tgt Ion:248 Resp: 19170
Ion Ratio Lower Upper
248 100
250 199.3 77.0 115.4#
141 571.6 54.2 81.2#



#71
Phenanthrene
Concen: 2.092 ng
RT: 11.539 min Scan# 1522
Delta R.T. -0.017 min
Lab File: BF132728.D
Acq: 09 Mar 2023 20:39

Tgt Ion:178 Resp: 55734
Ion Ratio Lower Upper
178 100
176 19.4 16.5 24.7
179 17.0 13.0 19.6

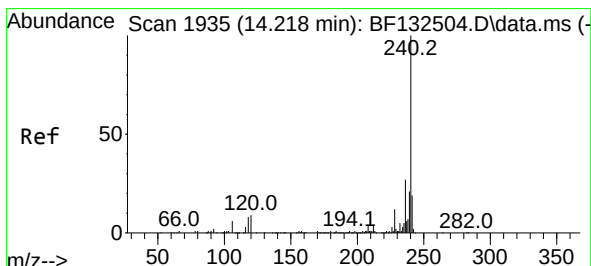
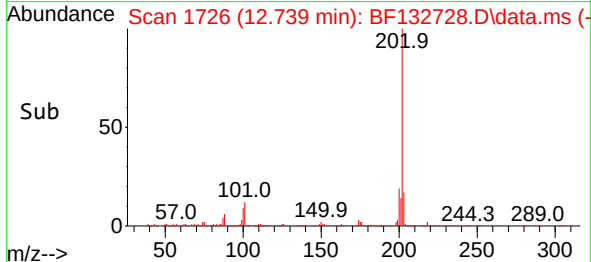
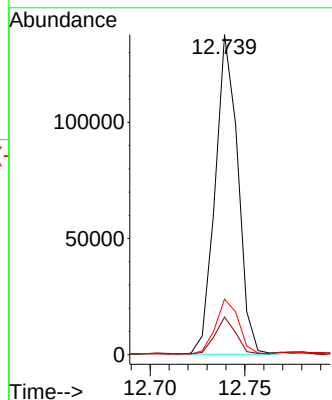
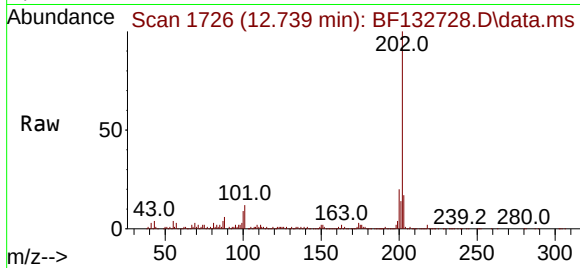




#75
Fluoranthene
Concen: 3.948 ng
RT: 12.739 min Scan# 11
Delta R.T. -0.012 min
Lab File: BF132728.D
Acq: 09 Mar 2023 20:39

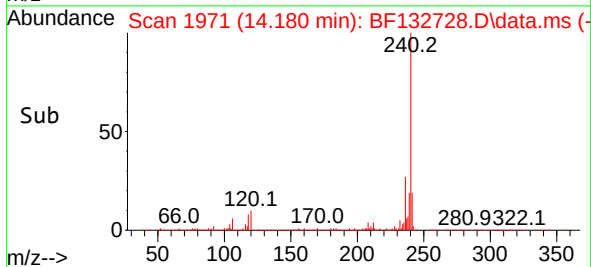
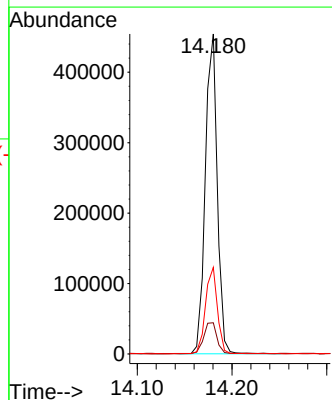
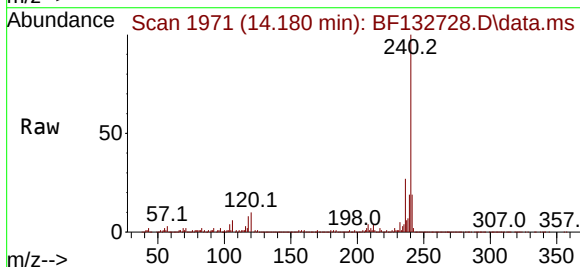
Instrument :
BNA_F
ClientSampleId :

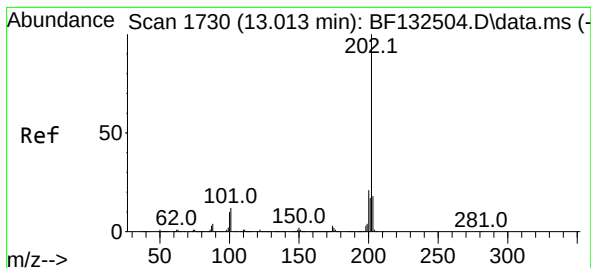
Tgt Ion:202 Resp: 114948
Ion Ratio Lower Upper
202 100
101 11.7 0.0 31.4
203 17.4 0.0 38.0



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.180 min Scan# 1971
Delta R.T. -0.006 min
Lab File: BF132728.D
Acq: 09 Mar 2023 20:39

Tgt Ion:240 Resp: 398719
Ion Ratio Lower Upper
240 100
120 9.7 7.2 10.8
236 27.1 21.8 32.6





#78

Pyrene

Concen: 2.962 ng

RT: 12.974 min Scan# 1

Delta R.T. -0.006 min

Lab File: BF132728.D

Acq: 09 Mar 2023 20:39

Instrument :

BNA_F

ClientSampleId :

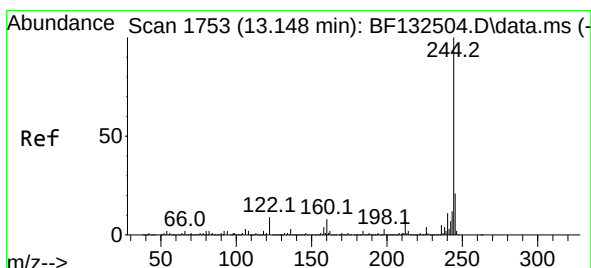
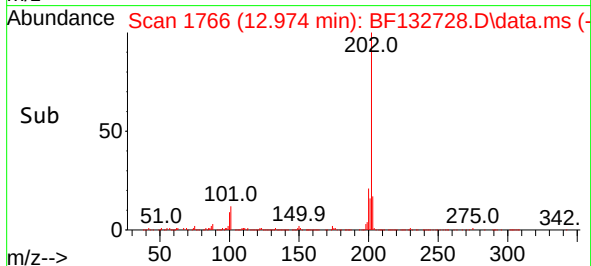
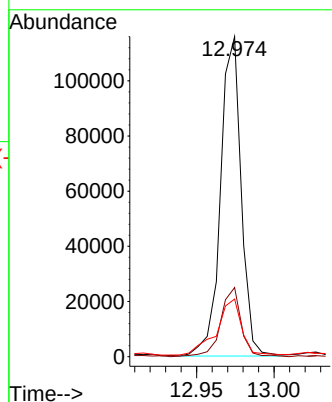
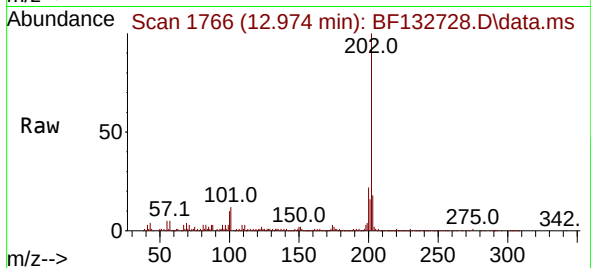
Tgt Ion:202 Resp: 107360

Ion Ratio Lower Upper

202 100

200 21.6 17.1 25.7

203 18.0 14.6 21.8



#79

Terphenyl-d14

Concen: 53.213 ng

RT: 13.110 min Scan# 1789

Delta R.T. -0.006 min

Lab File: BF132728.D

Acq: 09 Mar 2023 20:39

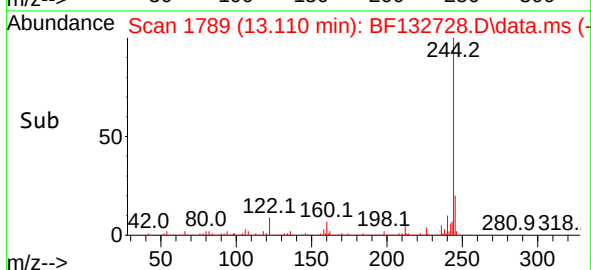
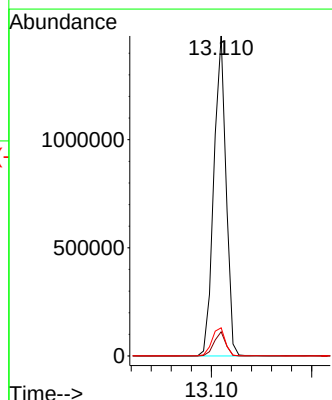
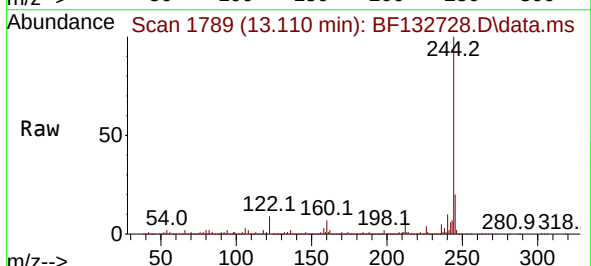
Tgt Ion:244 Resp: 1254882

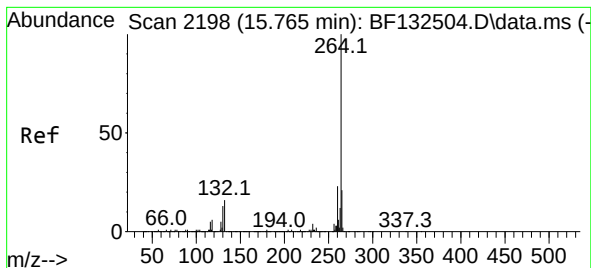
Ion Ratio Lower Upper

244 100

212 7.5 6.5 9.7

122 8.8 7.5 11.3





#86

Perylene-d12

Concen: 20.000 ng

RT: 15.721 min Scan# 21

Delta R.T. -0.006 min

Lab File: BF132728.D

Acq: 09 Mar 2023 20:39

Instrument :

BNA_F

ClientSampleId :

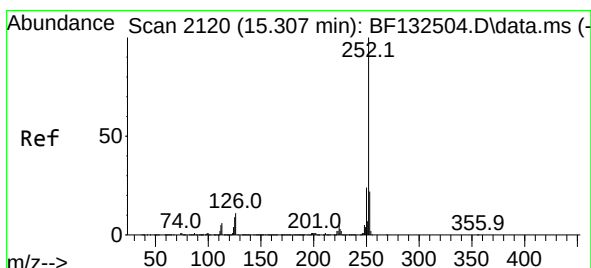
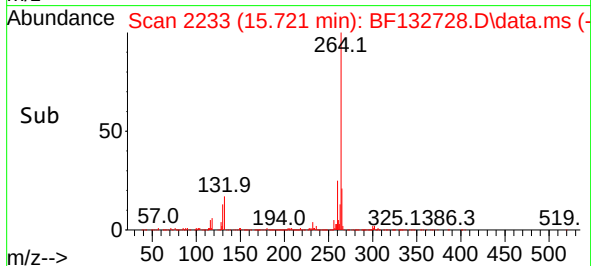
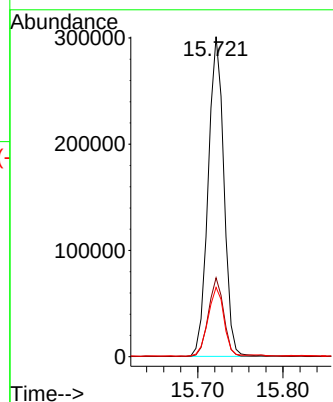
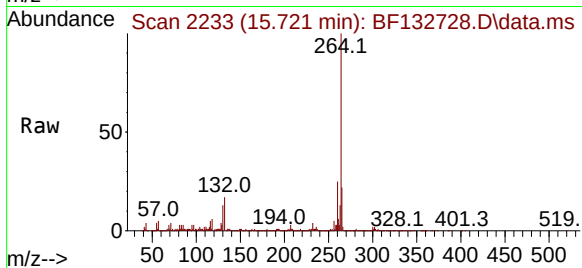
Tgt Ion:264 Resp: 385654

Ion Ratio Lower Upper

264 100

260 24.7 18.8 28.2

265 21.7 17.1 25.7



#88

Benzo(b)fluoranthene

Concen: 3.073 ng

RT: 15.257 min Scan# 2154

Delta R.T. -0.012 min

Lab File: BF132728.D

Acq: 09 Mar 2023 20:39

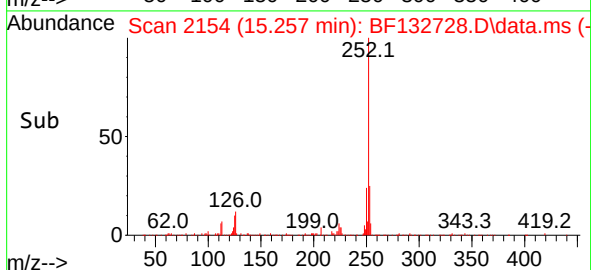
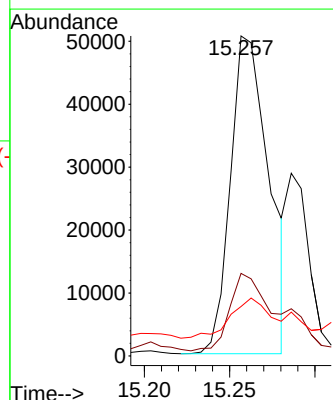
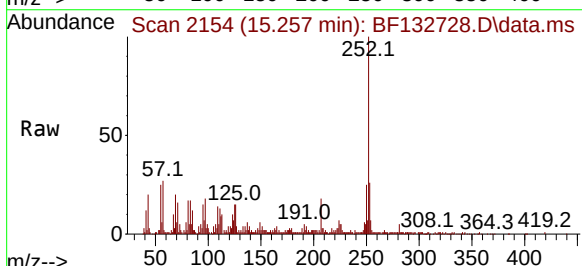
Tgt Ion:252 Resp: 79420

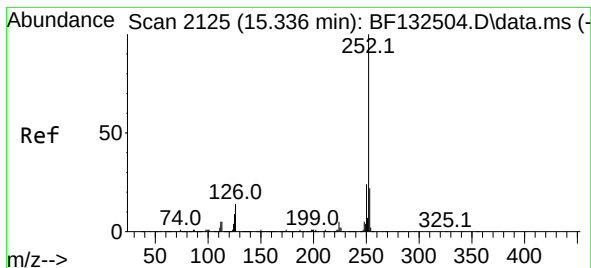
Ion Ratio Lower Upper

252 100

253 25.8 17.4 26.0

125 15.4 7.0 10.6#





#89

Benzo(k)fluoranthene

Concen: 3.140 ng

RT: 15.257 min Scan# 2125

Delta R.T. -0.047 min

Lab File: BF132728.D

Acq: 09 Mar 2023 20:39

Instrument :

BNA_F

ClientSampleId :

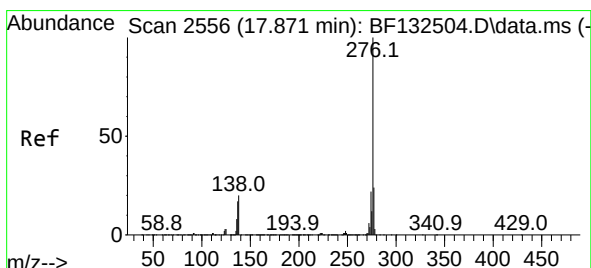
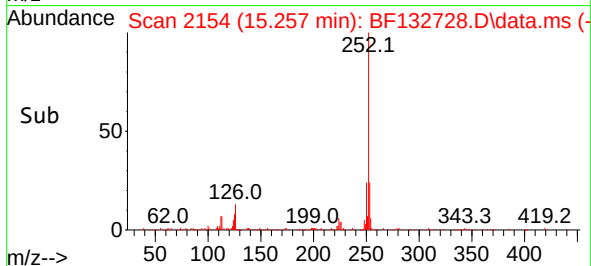
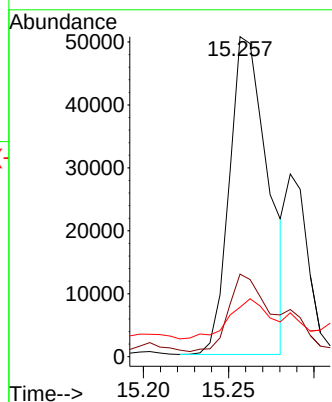
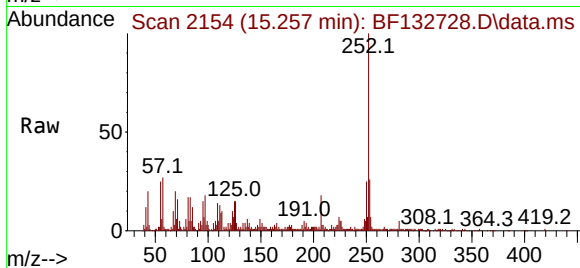
Tgt Ion:252 Resp: 79420

Ion Ratio Lower Upper

252 100

253 25.8 17.5 26.3

125 15.4 7.2 10.8#



#92

Benzo(g,h,i)perylene

Concen: 2.599 ng

RT: 17.786 min Scan# 2584

Delta R.T. -0.029 min

Lab File: BF132728.D

Acq: 09 Mar 2023 20:39

Tgt Ion:276 Resp: 23718

Ion Ratio Lower Upper

276 100

277 26.1 18.9 28.3

138 26.6 16.2 24.4#

