

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF122222\
 Data File : BF131796.D
 Acq On : 23 Dec 2022 01:40
 Operator : CG\JU
 Sample : N6088-02 5X
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 B-27-5B02

Quant Time: Dec 23 03:38:55 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF122022.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Dec 23 03:03:57 2022
 Response via : Initial Calibration

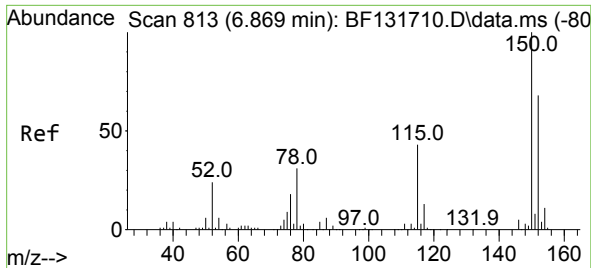
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.857	152	79869	20.000	ng	0.00
21) Naphthalene-d8	8.145	136	277435	20.000	ng	0.00
39) Acenaphthene-d10	9.910	164	140347	20.000	ng	0.00
64) Phenanthrene-d10	11.404	188	229237	20.000	ng	0.00
76) Chrysene-d12	14.057	240	158331	20.000	ng	# 0.00
86) Perylene-d12	15.551	264	126579	20.000	ng	0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.463	112	105239	22.188	ng	0.00
7) Phenol-d6	6.481	99	137062	21.469	ng	0.00
23) Nitrobenzene-d5	7.422	82	90492	13.241	ng	0.00
42) 2,4,6-Tribromophenol	10.698	330	25690	16.724	ng	0.00
45) 2-Fluorobiphenyl	9.227	172	151395	15.111	ng	0.00
79) Terphenyl-d14	12.992	244	131551	12.949	ng	0.00
Target Compounds						
						Qvalue
9) Benzaldehyde	6.404	77	146	Below Cal	#	13
19) n-Nitroso-di-n-propyla...	7.422	70	13681	2.971 ng	#	76
25) Isophorone	7.422	82	90491	7.797 ng	#	70
51) 2,6-Dinitrotoluene	9.910	165	17974	7.915 ng	#	19
75) Fluoranthene	12.621	202	34655	2.489 ng		96
78) Pyrene	12.851	202	42613	2.960 ng		97
81) Benzo(a)anthracene	14.045	228	30363	2.663 ng	#	69
83) Chrysene	14.080	228	34343	3.191 ng	#	92
88) Benzo(b)fluoranthene	15.109	252	39679	4.431 ng	#	81
89) Benzo(k)fluoranthene	15.109	252	39679	4.541 ng	#	83
90) Benzo(a)pyrene	15.486	252	24351	3.433 ng	#	91
92) Benzo(g,h,i)perylene	17.509	276	14421	2.077 ng	#	88

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

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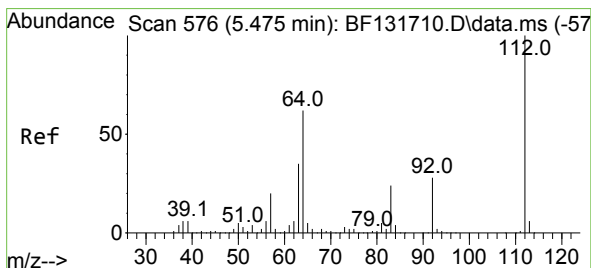
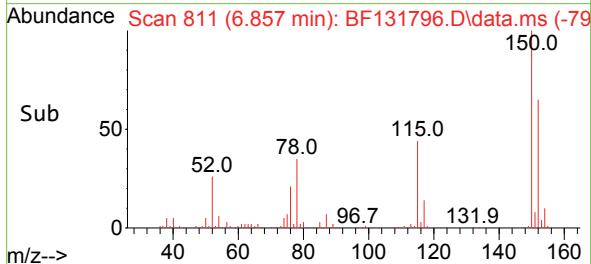
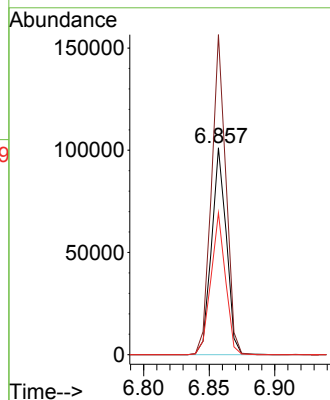
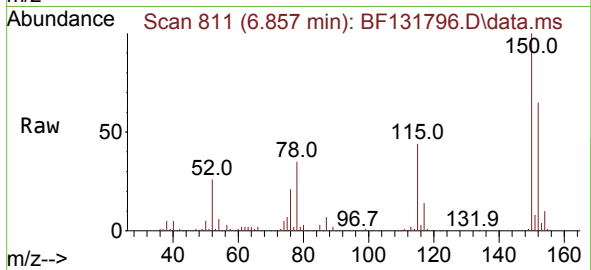




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.857 min Scan# 813
Delta R.T. 0.000 min
Lab File: BF131796.D
Acq: 23 Dec 2022 01:40

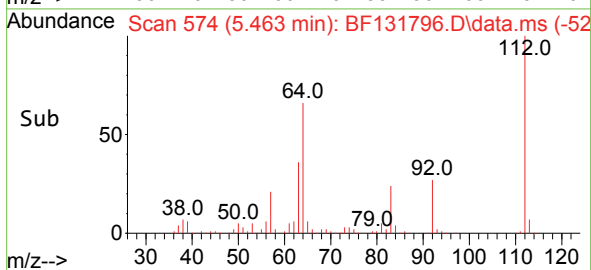
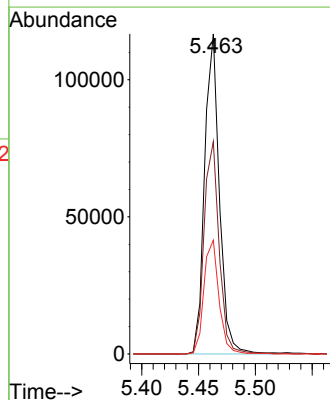
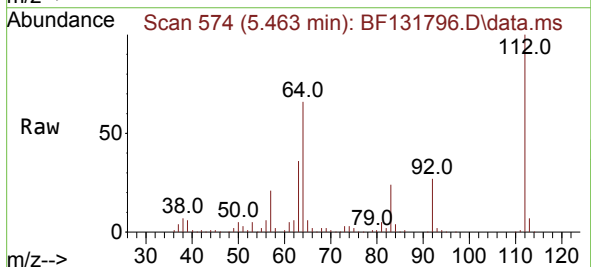
Instrument :
BNA_F
ClientSampleId :
B-27-5B02

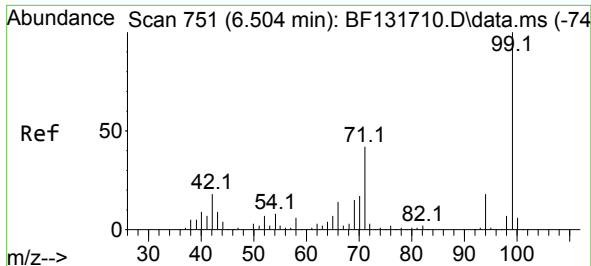
Tgt Ion:152 Resp: 79869
Ion Ratio Lower Upper
152 100
150 154.7 117.4 176.0
115 68.5 50.2 75.4



#5
2-Fluorophenol
Concen: 22.188 ng
RT: 5.463 min Scan# 574
Delta R.T. 0.006 min
Lab File: BF131796.D
Acq: 23 Dec 2022 01:40

Tgt Ion:112 Resp: 105239
Ion Ratio Lower Upper
112 100
64 66.4 49.5 74.3
63 35.6 28.2 42.2

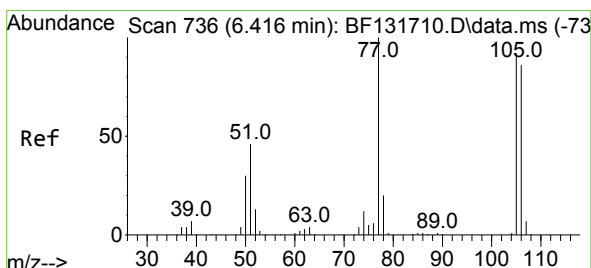
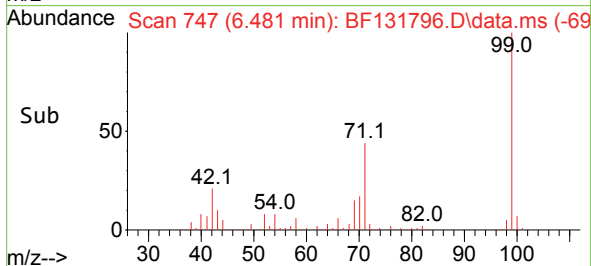
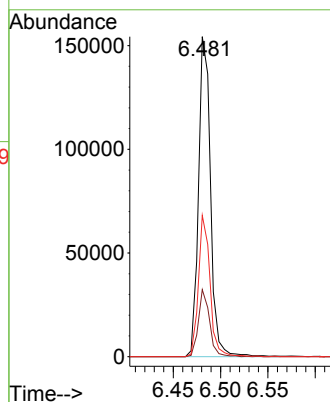
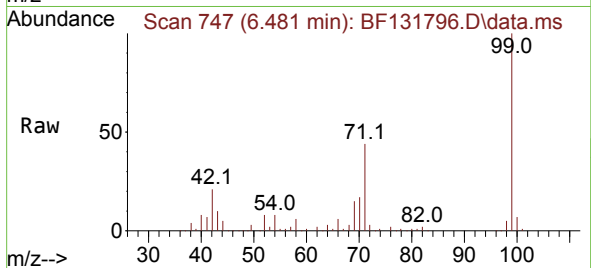




#7
Phenol-d6
Concen: 21.469 ng
RT: 6.481 min Scan# 74
Delta R.T. -0.006 min
Lab File: BF131796.D
Acq: 23 Dec 2022 01:40

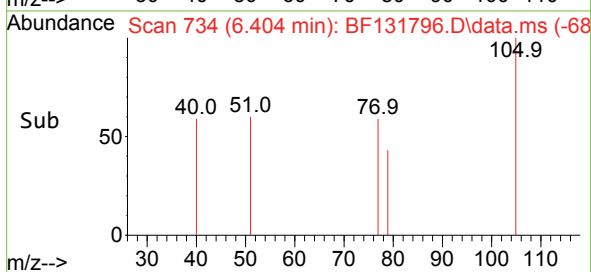
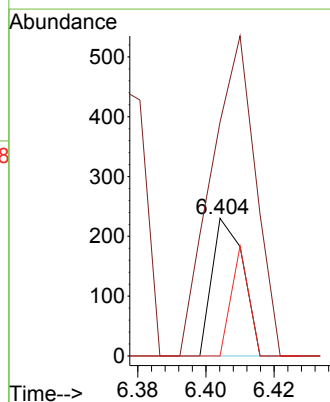
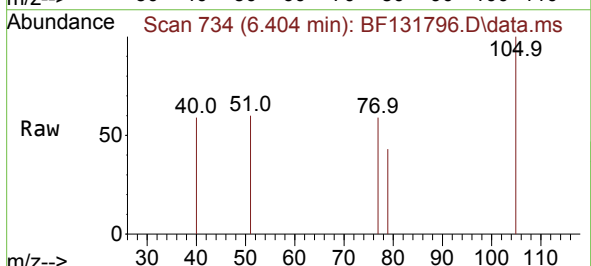
Instrument :
BNA_F
ClientSampleId :
B-27-5B02

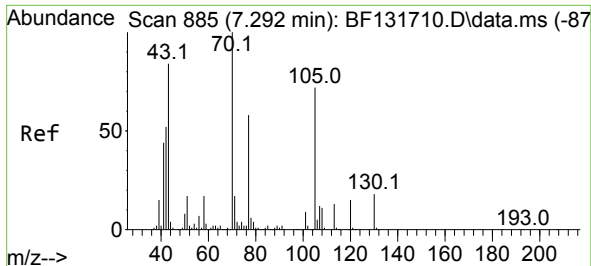
Tgt Ion: 99 Resp: 137062
Ion Ratio Lower Upper
99 100
42 20.9 14.8 22.2
71 44.2 33.8 50.6



#9
Benzaldehyde
Concen: Below Cal
RT: 6.404 min Scan# 734
Delta R.T. -0.000 min
Lab File: BF131796.D
Acq: 23 Dec 2022 01:40

Tgt Ion: 77 Resp: 146
Ion Ratio Lower Upper
77 100
105 170.0 72.4 112.4#
106 0.0 66.5 106.5#

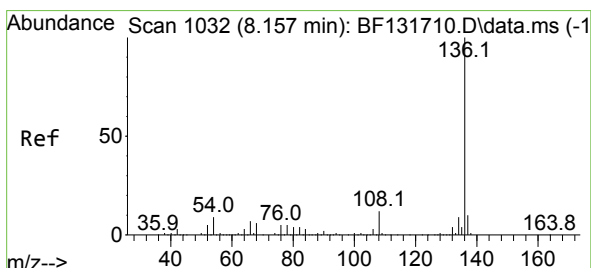
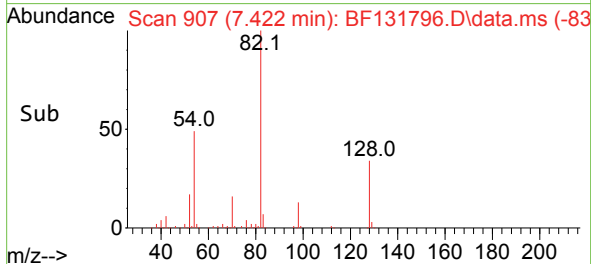
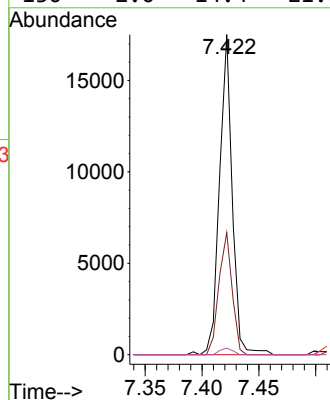
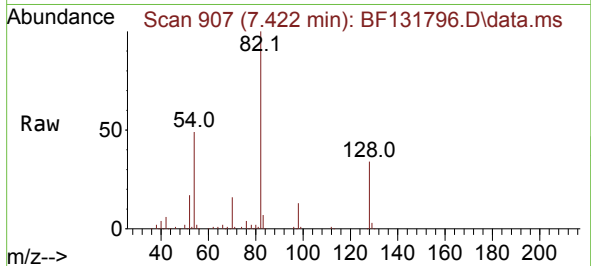




#19
n-Nitroso-di-n-propylamine
Concen: 2.971 ng
RT: 7.422 min Scan# 90
Delta R.T. 0.147 min
Lab File: BF131796.D
Acq: 23 Dec 2022 01:40

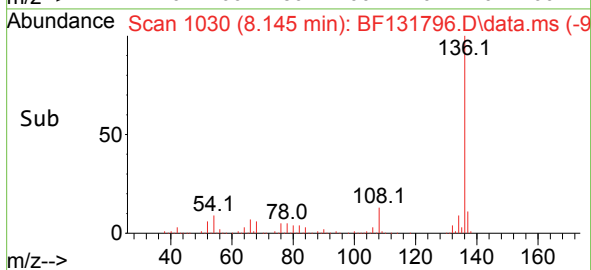
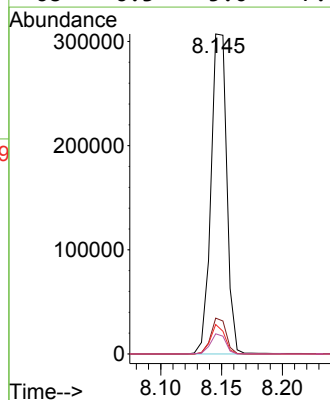
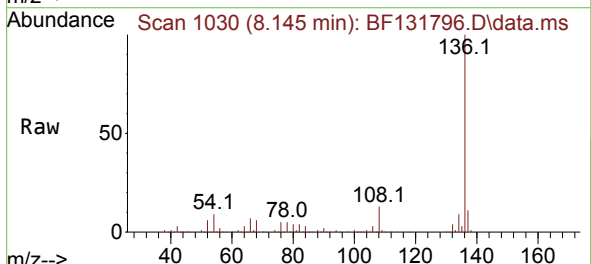
Instrument :
BNA_F
ClientSampleId :
B-27-5B02

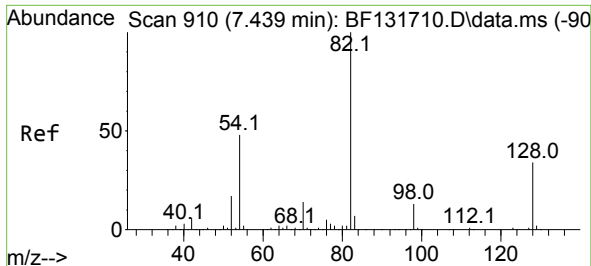
Tgt Ion: 70 Resp: 13681
Ion Ratio Lower Upper
70 100
42 38.2 41.5 62.3#
101 0.0 7.3 10.9#
130 2.0 14.4 21.6#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.145 min Scan# 1030
Delta R.T. -0.000 min
Lab File: BF131796.D
Acq: 23 Dec 2022 01:40

Tgt Ion: 136 Resp: 277435
Ion Ratio Lower Upper
136 100
137 11.2 8.4 12.6
54 9.2 7.2 10.8
68 6.3 5.0 7.6

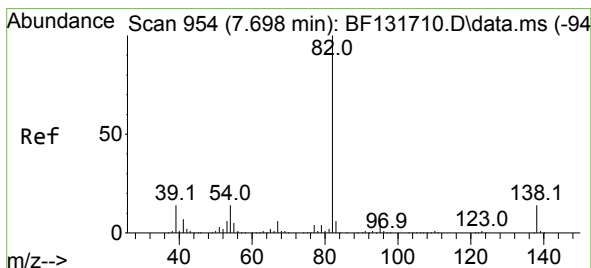
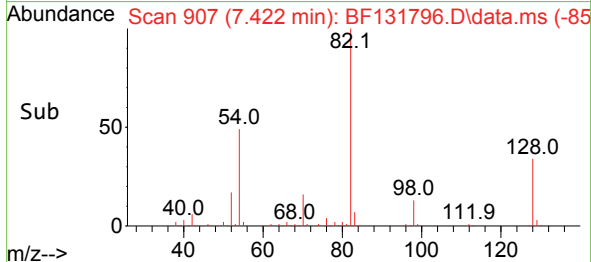
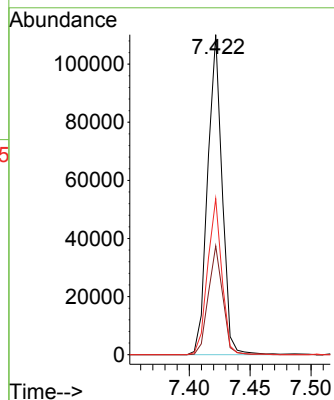
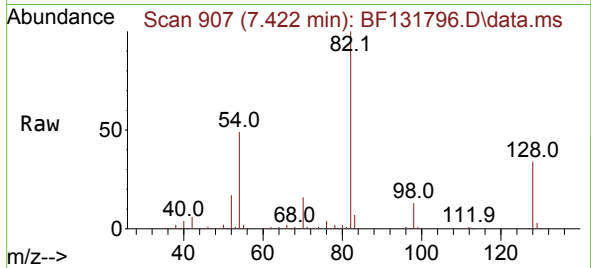




#23
Nitrobenzene-d5
Concen: 13.241 ng
RT: 7.422 min Scan# 907
Delta R.T. -0.006 min
Lab File: BF131796.D
Acq: 23 Dec 2022 01:40

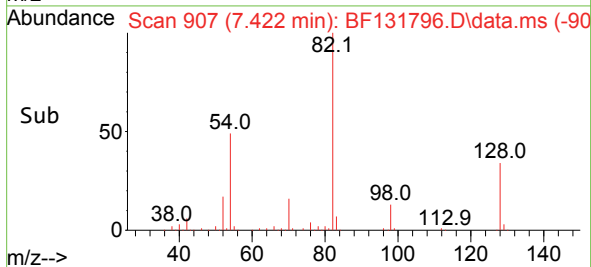
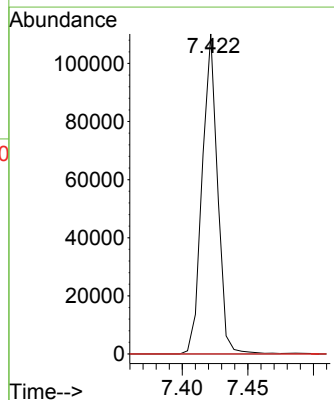
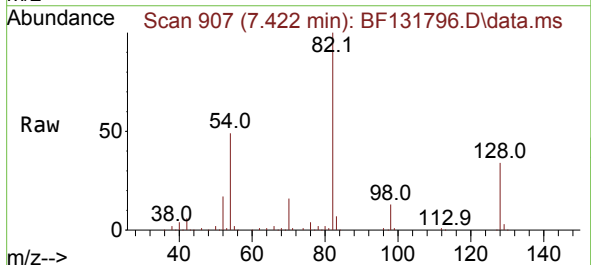
Instrument :
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ClientSampleId :
B-27-5B02

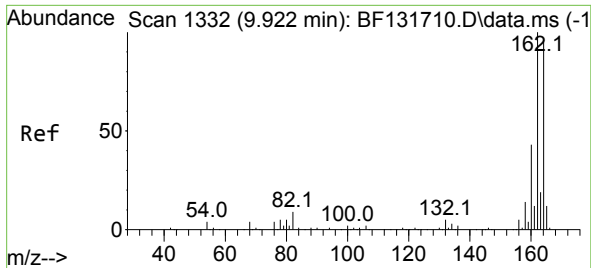
Tgt Ion: 82 Resp: 90492
Ion Ratio Lower Upper
82 100
128 34.0 27.3 40.9
54 48.8 38.2 57.2



#25
Isophorone
Concen: 7.797 ng
RT: 7.422 min Scan# 907
Delta R.T. -0.265 min
Lab File: BF131796.D
Acq: 23 Dec 2022 01:40

Tgt Ion: 82 Resp: 90491
Ion Ratio Lower Upper
82 100
95 0.0 5.8 8.6#
138 0.0 11.6 17.4#

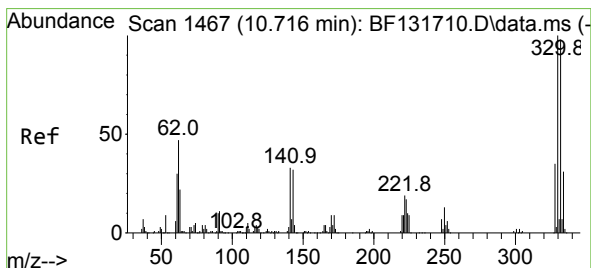
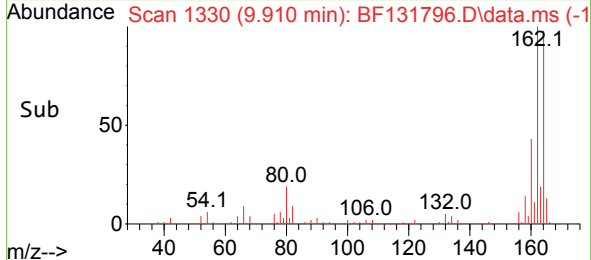
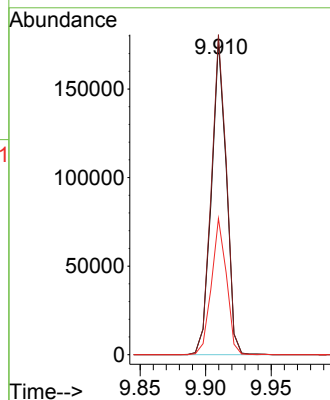
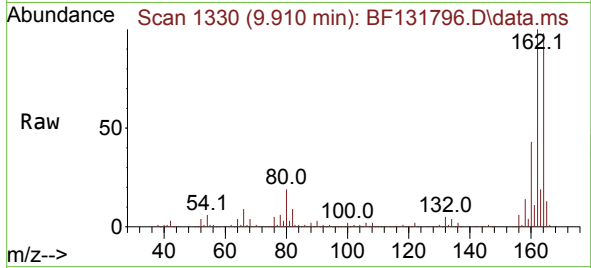




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.910 min Scan# 11
Delta R.T. -0.000 min
Lab File: BF131796.D
Acq: 23 Dec 2022 01:40

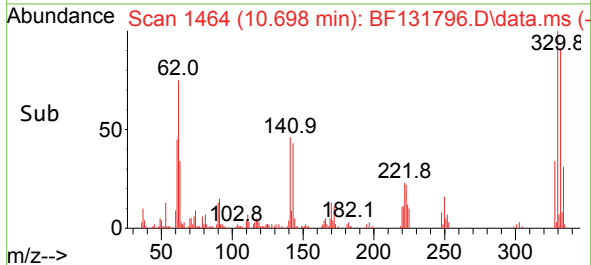
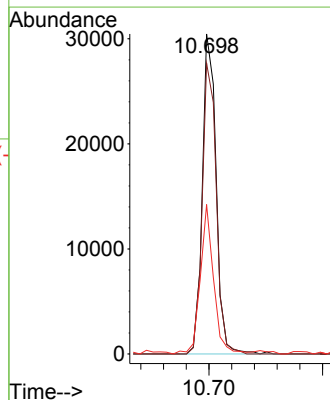
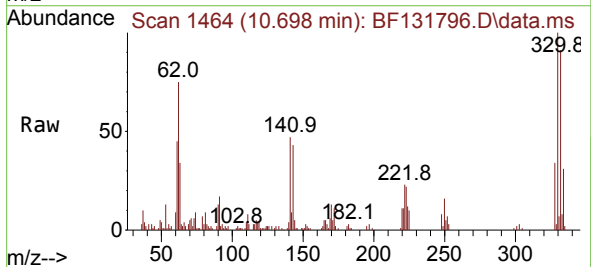
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BNA_F
ClientSampleId :
B-27-5B02

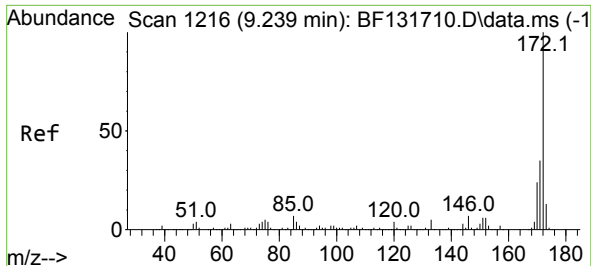
Tgt Ion:164 Resp: 140347
Ion Ratio Lower Upper
164 100
162 101.7 83.7 125.5
160 43.3 36.2 54.4



#42
2,4,6-Tribromophenol
Concen: 16.724 ng
RT: 10.698 min Scan# 1464
Delta R.T. -0.006 min
Lab File: BF131796.D
Acq: 23 Dec 2022 01:40

Tgt Ion:330 Resp: 25690
Ion Ratio Lower Upper
330 100
332 92.7 77.1 115.7
141 45.2 30.4 45.6





#45

2-Fluorobiphenyl

Concen: 15.111 ng

RT: 9.227 min Scan# 1330

Delta R.T. -0.000 min

Lab File: BF131796.D

Acq: 23 Dec 2022 01:40

Instrument :

BNA_F

ClientSampleId :

B-27-5B02

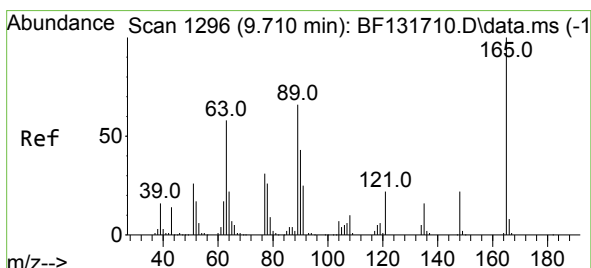
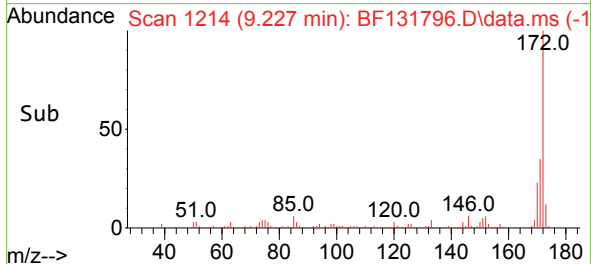
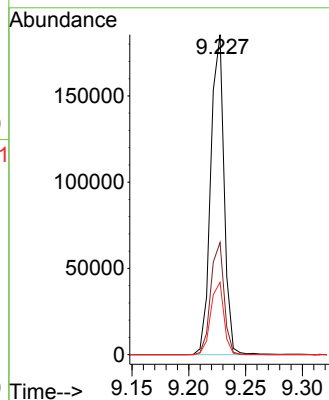
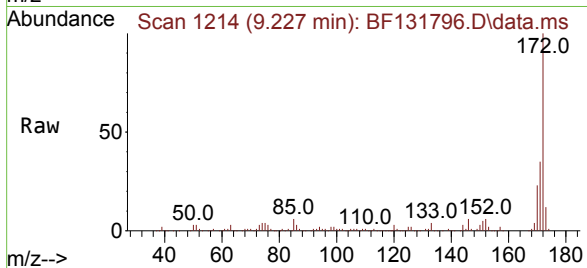
Tgt Ion:172 Resp: 151395

Ion Ratio Lower Upper

172 100

171 35.0 27.9 41.9

170 22.6 19.0 28.4



#51

2,6-Dinitrotoluene

Concen: 7.915 ng

RT: 9.910 min Scan# 1330

Delta R.T. 0.211 min

Lab File: BF131796.D

Acq: 23 Dec 2022 01:40

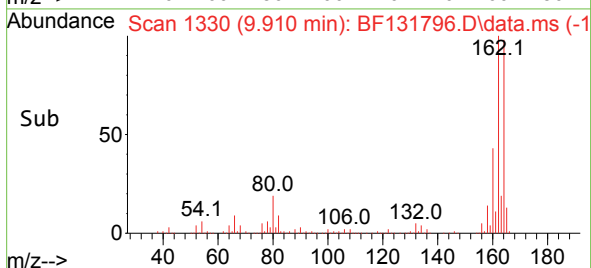
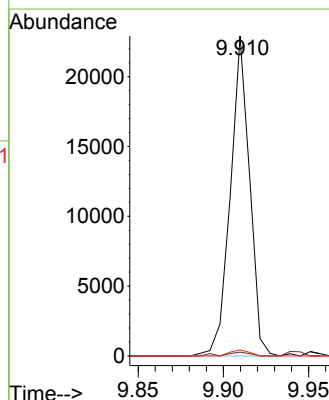
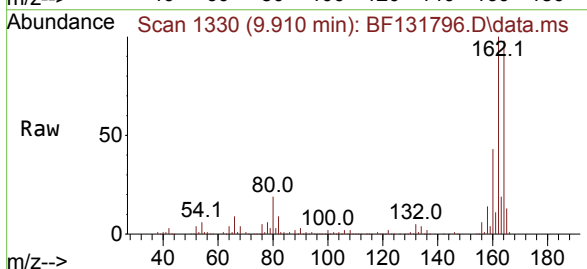
Tgt Ion:165 Resp: 17974

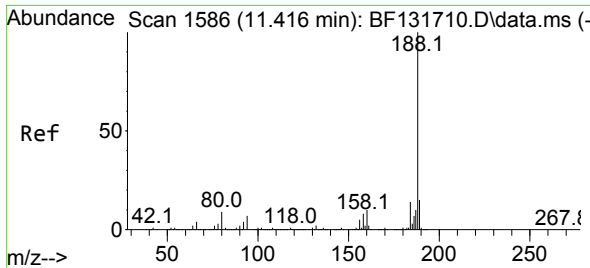
Ion Ratio Lower Upper

165 100

63 1.2 51.8 77.8#

89 1.9 53.2 79.8#

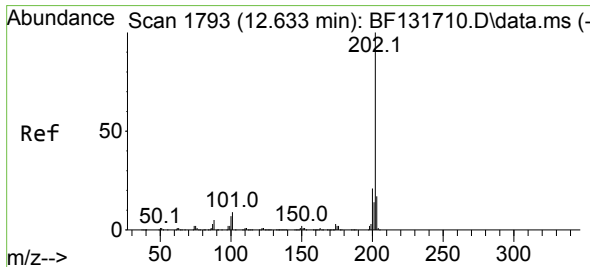
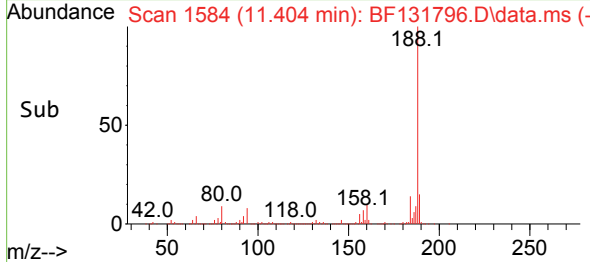
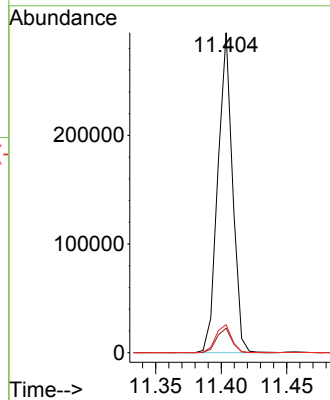
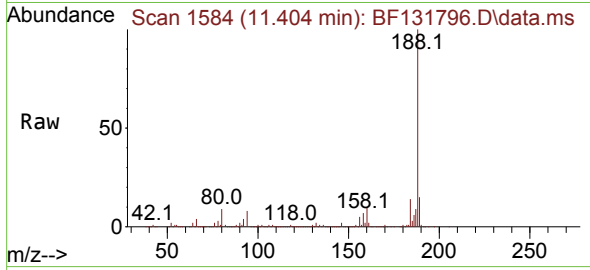




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.404 min Scan# 1584
Delta R.T. 0.006 min
Lab File: BF131796.D
Acq: 23 Dec 2022 01:40

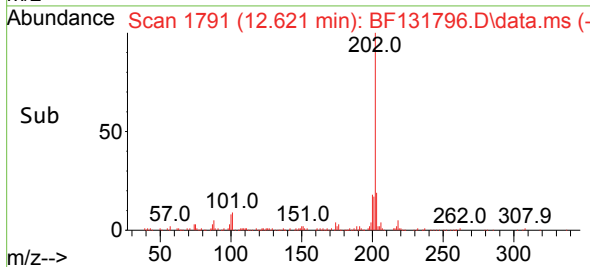
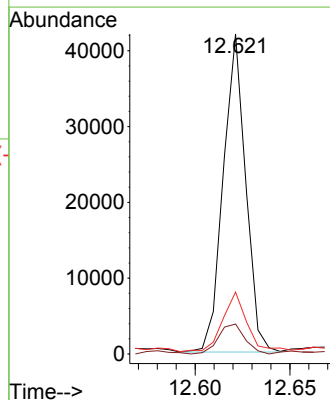
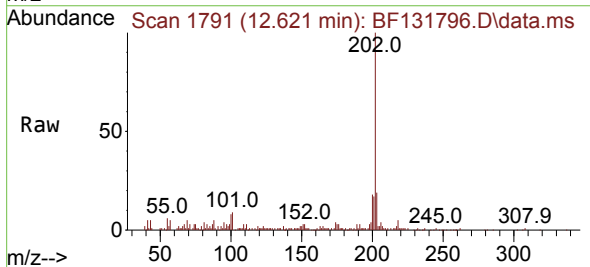
Instrument :
BNA_F
ClientSampleId :
B-27-5B02

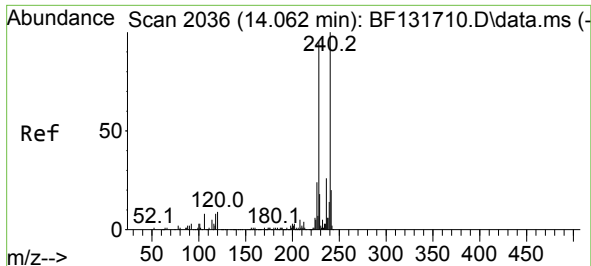
Tgt Ion:188 Resp: 229237
Ion Ratio Lower Upper
188 100
94 7.7 5.9 8.9
80 8.7 7.0 10.6



#75
Fluoranthene
Concen: 2.489 ng
RT: 12.621 min Scan# 1791
Delta R.T. 0.006 min
Lab File: BF131796.D
Acq: 23 Dec 2022 01:40

Tgt Ion:202 Resp: 34655
Ion Ratio Lower Upper
202 100
101 9.4 0.0 28.8
203 19.4 0.0 37.1

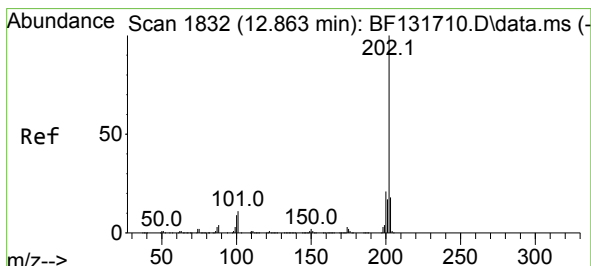
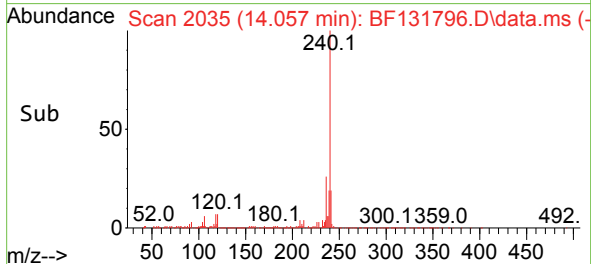
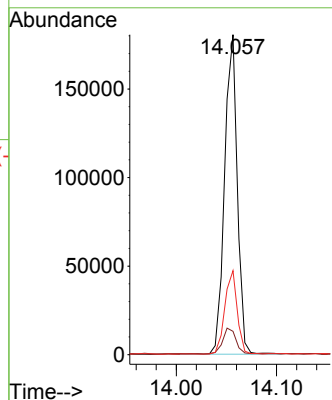
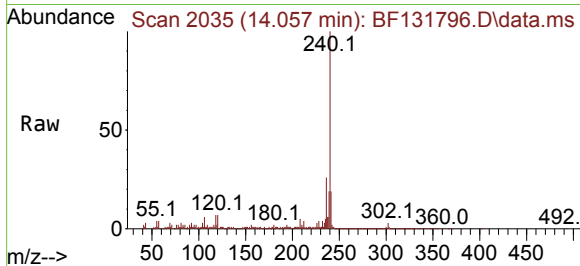




#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.057 min Scan# 2036
Delta R.T. 0.006 min
Lab File: BF131796.D
Acq: 23 Dec 2022 01:40

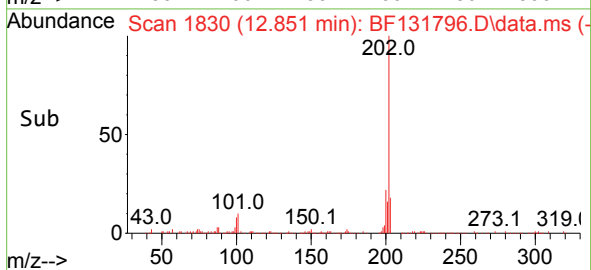
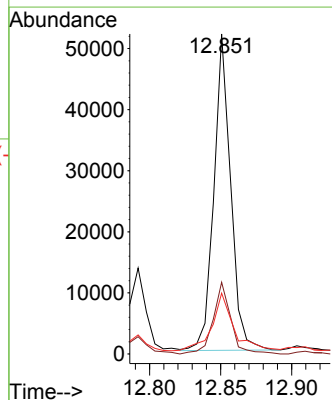
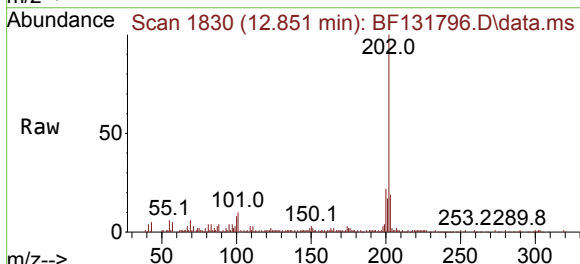
Instrument :
BNA_F
ClientSampleId :
B-27-5B02

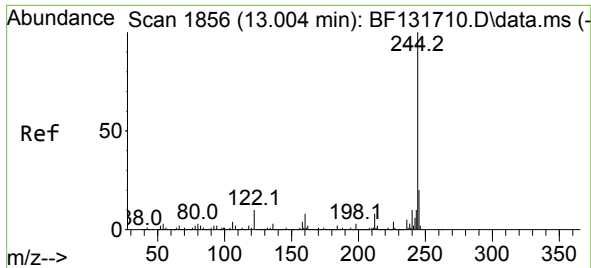
Tgt Ion:240 Resp: 158331
Ion Ratio Lower Upper
240 100
120 7.3 7.6 11.4#
236 26.2 21.2 31.8



#78
Pyrene
Concen: 2.960 ng
RT: 12.851 min Scan# 1830
Delta R.T. -0.000 min
Lab File: BF131796.D
Acq: 23 Dec 2022 01:40

Tgt Ion:202 Resp: 42613
Ion Ratio Lower Upper
202 100
200 22.4 17.1 25.7
203 19.0 14.1 21.1

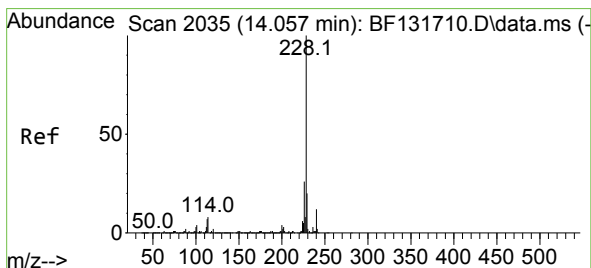
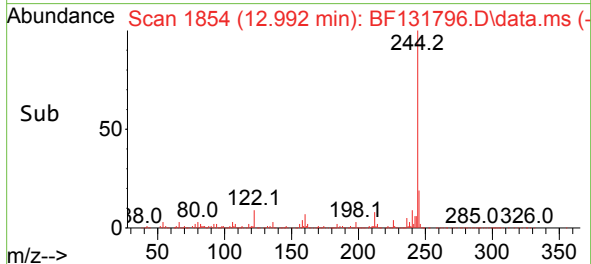
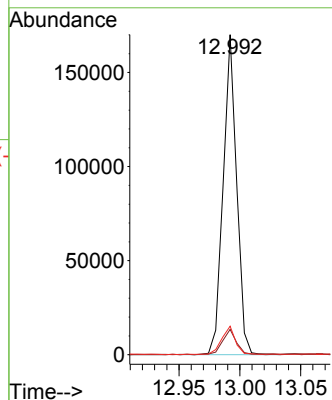
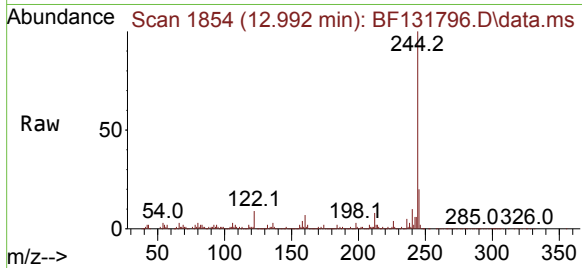




#79
 Terphenyl-d14
 Concen: 12.949 ng
 RT: 12.992 min Scan# 11
 Delta R.T. -0.000 min
 Lab File: BF131796.D
 Acq: 23 Dec 2022 01:40

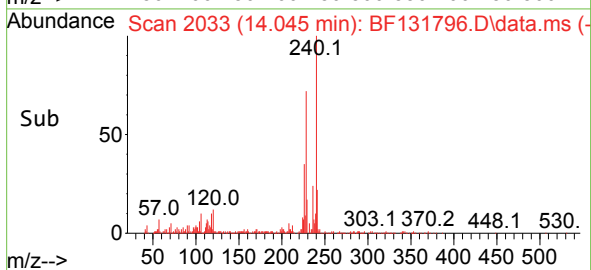
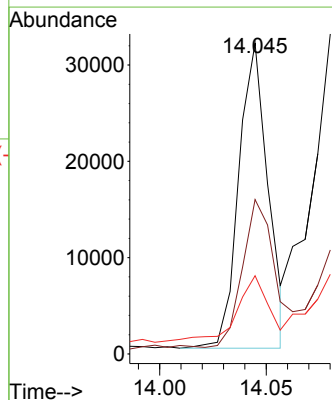
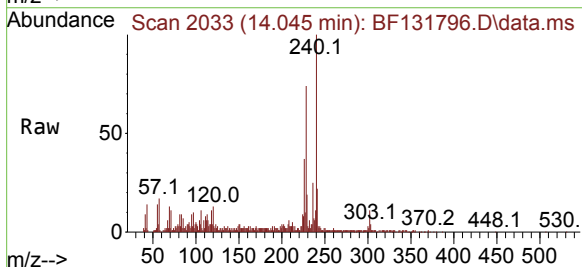
Instrument :
 BNA_F
 ClientSampleId :
 B-27-5B02

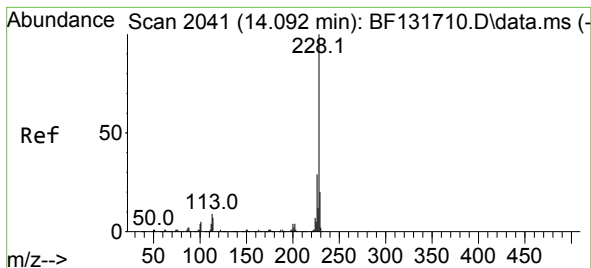
Tgt Ion:244 Resp: 131551
 Ion Ratio Lower Upper
 244 100
 212 7.9 6.5 9.7
 122 8.9 7.7 11.5



#81
 Benzo(a)anthracene
 Concen: 2.663 ng
 RT: 14.045 min Scan# 2033
 Delta R.T. 0.006 min
 Lab File: BF131796.D
 Acq: 23 Dec 2022 01:40

Tgt Ion:228 Resp: 30363
 Ion Ratio Lower Upper
 228 100
 226 49.7 21.0 31.4#
 229 25.2 15.8 23.8#





#83

Chrysene

Concen: 3.191 ng

RT: 14.080 min Scan# 2041

Delta R.T. 0.006 min

Lab File: BF131796.D

Acq: 23 Dec 2022 01:40

Instrument :

BNA_F

ClientSampleId :

B-27-5B02

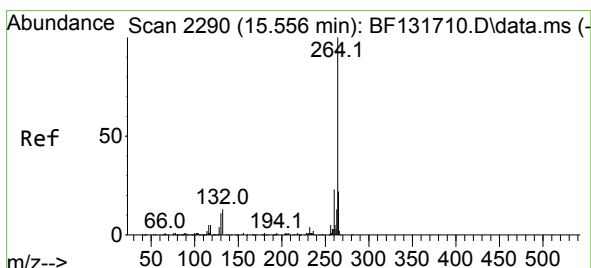
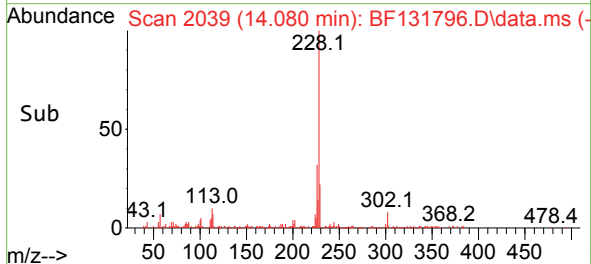
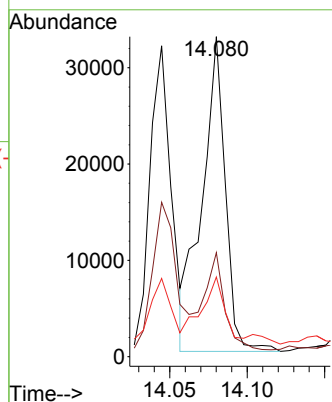
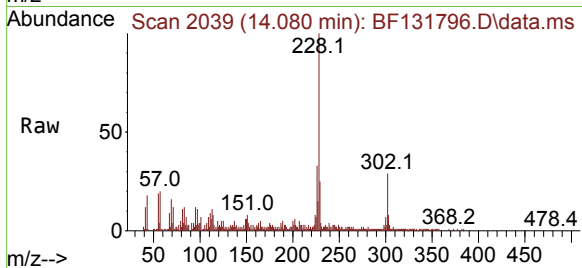
Tgt Ion:228 Resp: 34343

Ion Ratio Lower Upper

228 100

226 32.5 23.5 35.3

229 24.9 15.6 23.4#



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.551 min Scan# 2289

Delta R.T. 0.017 min

Lab File: BF131796.D

Acq: 23 Dec 2022 01:40

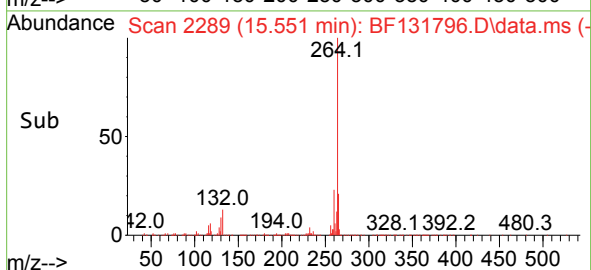
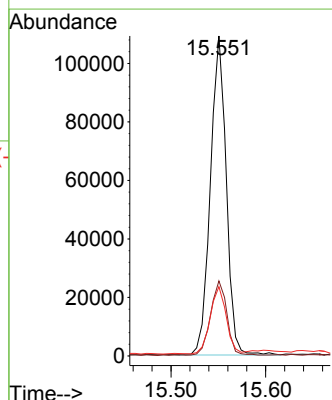
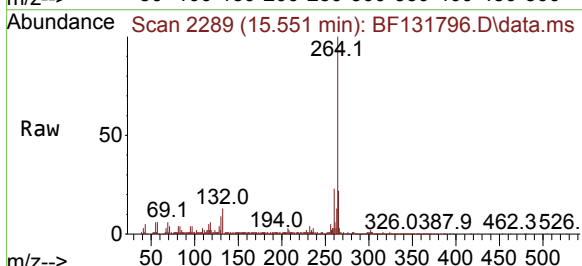
Tgt Ion:264 Resp: 126579

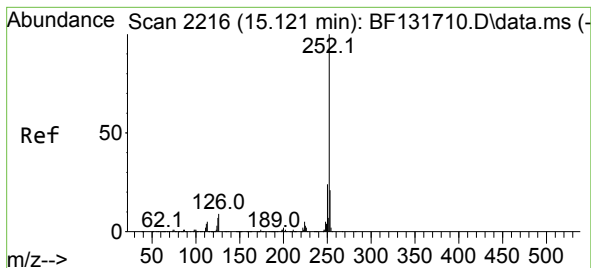
Ion Ratio Lower Upper

264 100

260 23.4 18.6 28.0

265 21.7 17.4 26.2





#88

Benzo(b)fluoranthene

Concen: 4.431 ng

RT: 15.109 min Scan# 2214

Delta R.T. 0.011 min

Lab File: BF131796.D

Acq: 23 Dec 2022 01:40

Instrument :

BNA_F

ClientSampleId :

B-27-5B02

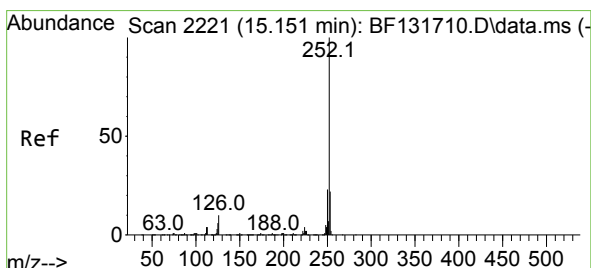
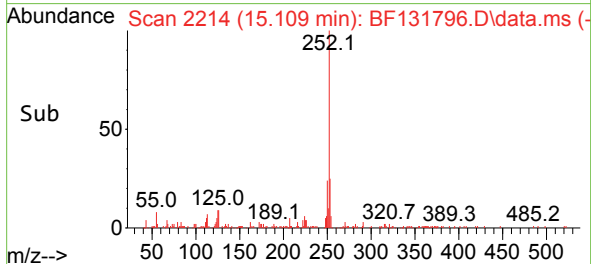
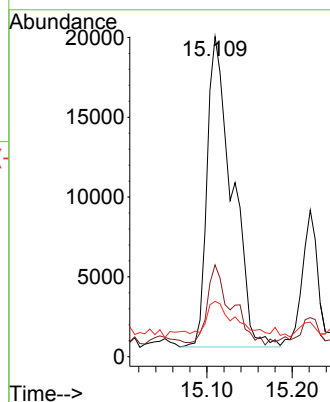
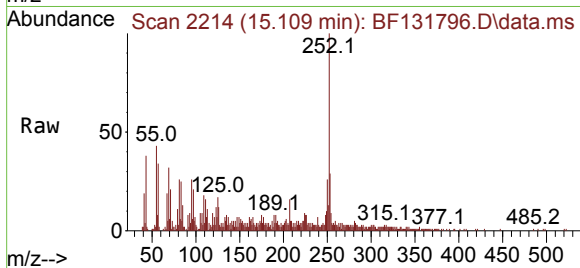
Tgt Ion:252 Resp: 39679

Ion Ratio Lower Upper

252 100

253 28.7 17.2 25.8#

125 17.3 5.5 8.3#



#89

Benzo(k)fluoranthene

Concen: 4.541 ng

RT: 15.109 min Scan# 2214

Delta R.T. -0.018 min

Lab File: BF131796.D

Acq: 23 Dec 2022 01:40

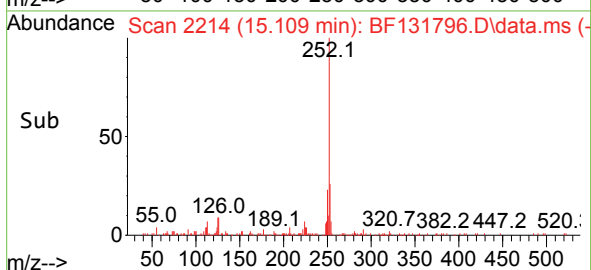
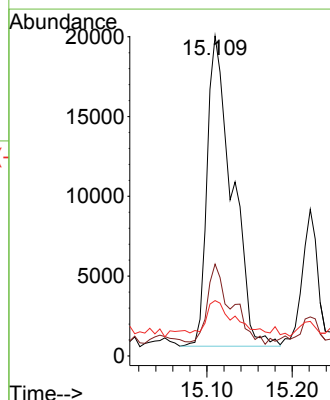
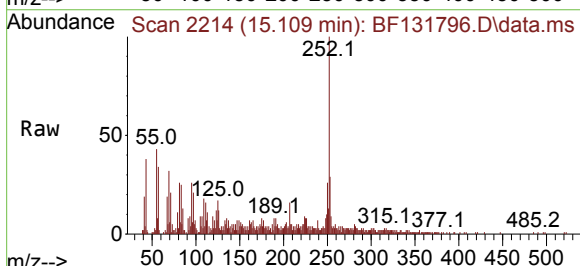
Tgt Ion:252 Resp: 39679

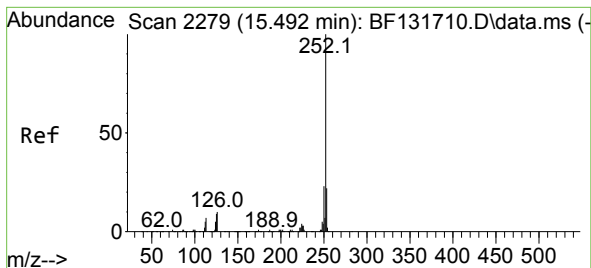
Ion Ratio Lower Upper

252 100

253 28.7 17.8 26.8#

125 17.3 5.2 7.8#





#90

Benzo(a)pyrene

Concen: 3.433 ng

RT: 15.486 min Scan# 21

Delta R.T. 0.011 min

Lab File: BF131796.D

Acq: 23 Dec 2022 01:40

Instrument :

BNA_F

ClientSampleId :

B-27-5B02

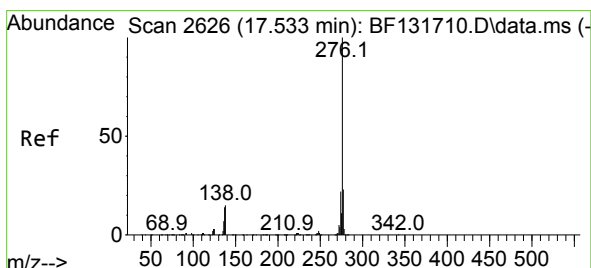
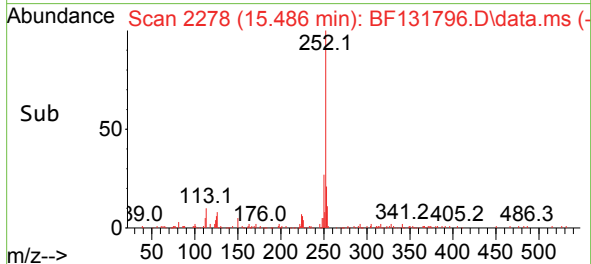
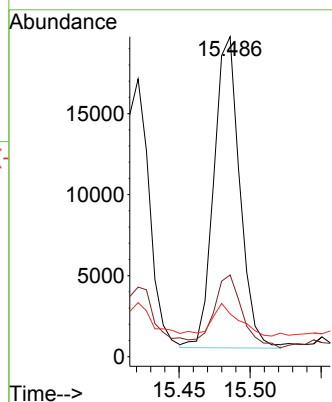
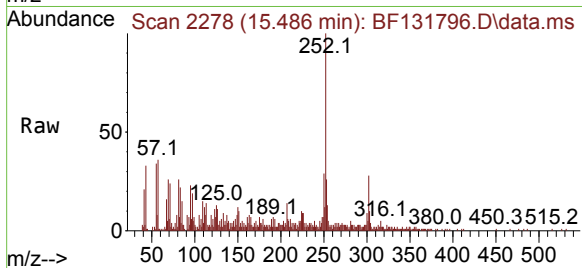
Tgt Ion:252 Resp: 24351

Ion Ratio Lower Upper

252 100

253 25.5 17.5 26.3

125 13.4 7.0 10.4#



#92

Benzo(g,h,i)perylene

Concen: 2.077 ng

RT: 17.509 min Scan# 2622

Delta R.T. 0.011 min

Lab File: BF131796.D

Acq: 23 Dec 2022 01:40

Tgt Ion:276 Resp: 14421

Ion Ratio Lower Upper

276 100

277 24.3 18.3 27.5

138 26.2 12.3 18.5#

