

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF031423\
 Data File : BF132795.D
 Acq On : 15 Mar 2023 00:09
 Operator : CG\JU
 Sample : 01901-01
 Misc :
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TR-04-031323

Quant Time: Mar 15 02:31:52 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF022223.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Mar 14 15:35:42 2023
 Response via : Initial Calibration

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

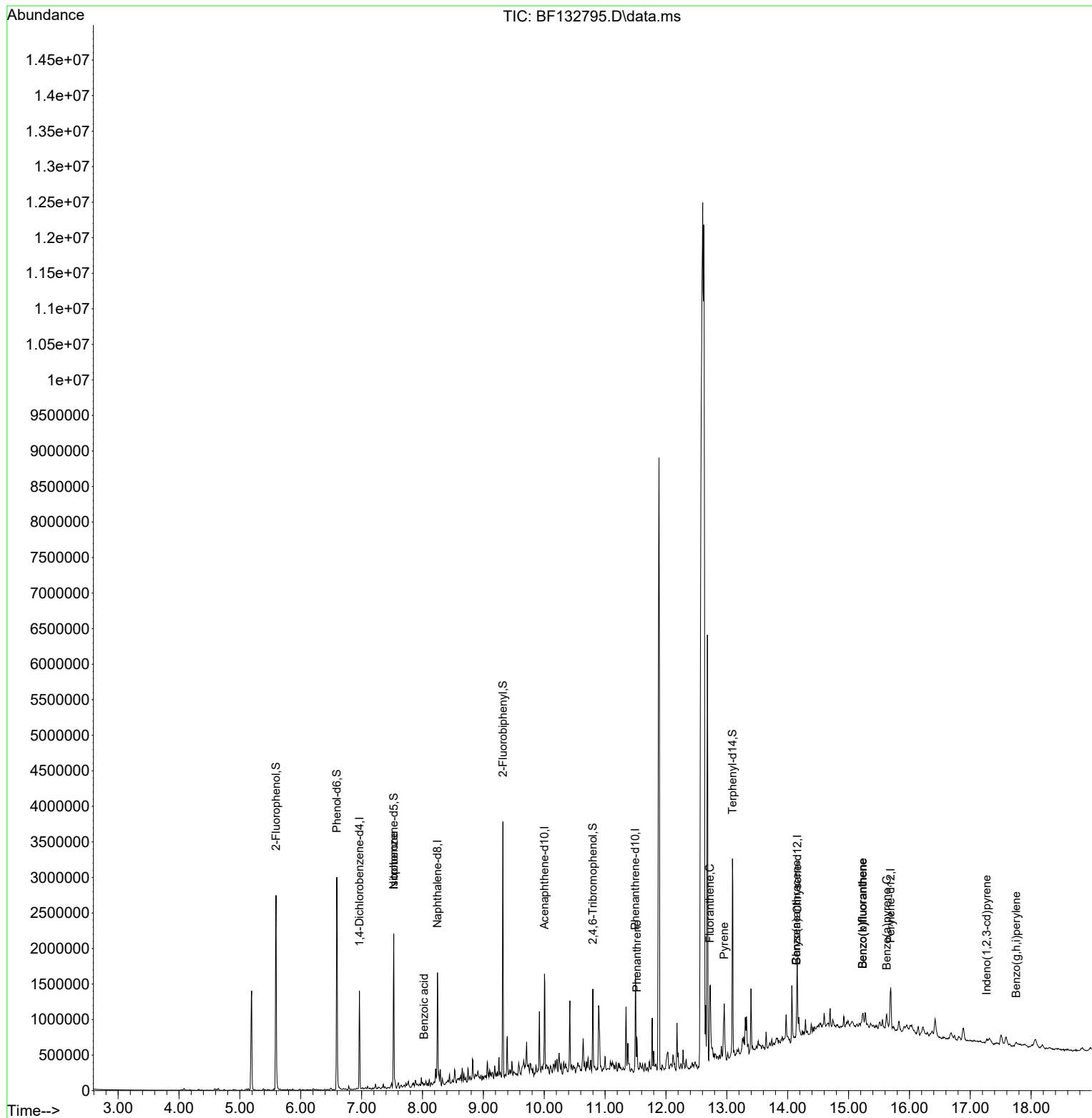
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.963	152	188424	20.000	ng	0.00
21) Naphthalene-d8	8.245	136	640418	20.000	ng	0.00
39) Acenaphthene-d10	10.004	164	287232	20.000	ng	0.00
64) Phenanthrene-d10	11.498	188	503087	20.000	ng	0.00
76) Chrysene-d12	14.157	240	329451	20.000	ng	# 0.00
86) Perylene-d12	15.692	264	259173	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.593	112	810771	69.835	ng	0.00
7) Phenol-d6	6.593	99	1081542	71.380	ng	-0.01
23) Nitrobenzene-d5	7.528	82	652536	48.342	ng	-0.01
42) 2,4,6-Tribromophenol	10.798	330	130558	42.089	ng	-0.01
45) 2-Fluorobiphenyl	9.322	172	996179	52.809	ng	0.00
79) Terphenyl-d14	13.092	244	1017944	52.241	ng	0.00
Target Compounds						
						Qvalue
25) Isophorone	7.528	82	651928	25.191	ng	# 67
32) Benzoic acid	8.028	122	678	3.915	ng	# 54
71) Phenanthrene	11.522	178	162799	6.247	ng	98
75) Fluoranthene	12.722	202	275747	9.678	ng	98
78) Pyrene	12.957	202	284511	9.499	ng	98
81) Benzo(a)anthracene	14.145	228	108777	4.413	ng	# 94
83) Chrysene	14.145	228	108777	4.719	ng	95
87) Indeno(1,2,3-cd)pyrene	17.268	276	34855	2.052	ng	97
88) Benzo(b)fluoranthene	15.233	252	125029	7.199	ng	# 76
89) Benzo(k)fluoranthene	15.233	252	125029	7.355	ng	# 77
90) Benzo(a)pyrene	15.627	252	68050	4.186	ng	# 82
92) Benzo(g,h,i)perylene	17.757	276	38580	3.998	ng	# 87

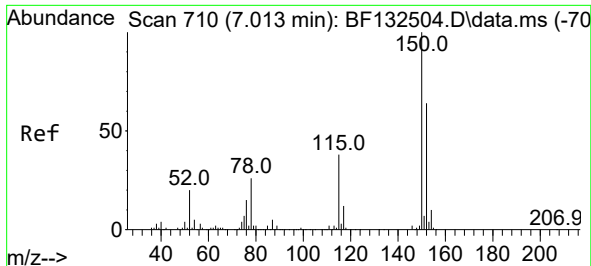
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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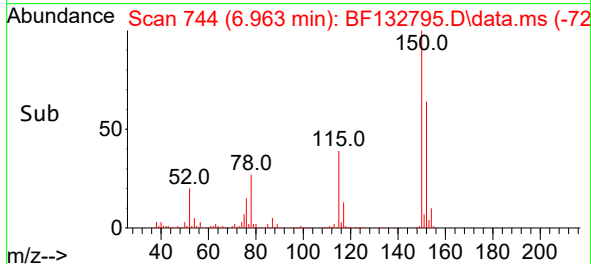
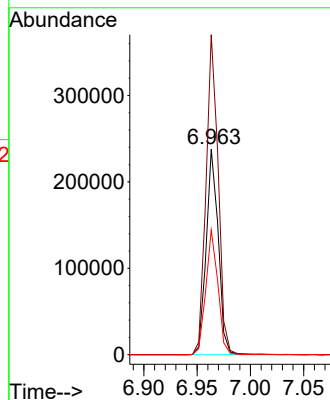
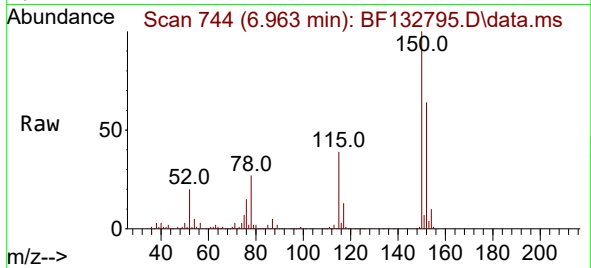




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.963 min Scan# 710
Delta R.T. -0.006 min
Lab File: BF132795.D
Acq: 15 Mar 2023 00:09

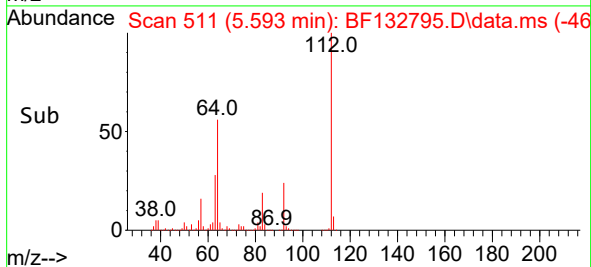
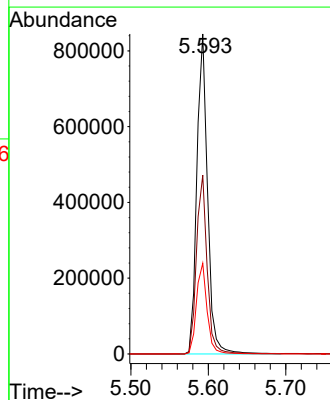
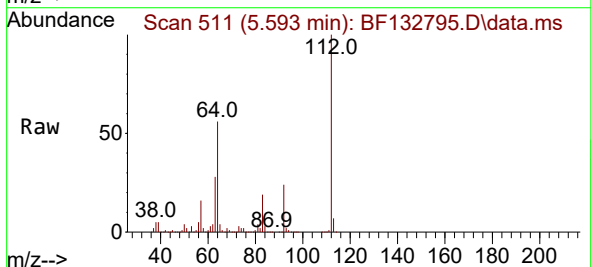
Instrument :
BNA_F
ClientSampleId :
TR-04-031323

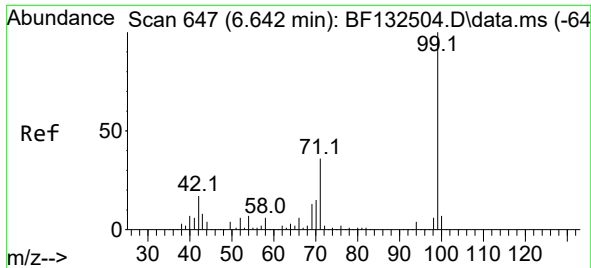
Tgt Ion:152 Resp: 188424
Ion Ratio Lower Upper
152 100
150 155.8 125.4 188.2
115 60.8 47.8 71.6



#5
2-Fluorophenol
Concen: 69.835 ng
RT: 5.593 min Scan# 511
Delta R.T. 0.000 min
Lab File: BF132795.D
Acq: 15 Mar 2023 00:09

Tgt Ion:112 Resp: 810771
Ion Ratio Lower Upper
112 100
64 55.9 51.6 77.4
63 28.4 27.4 41.2

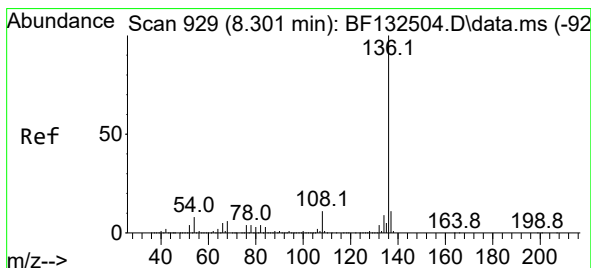
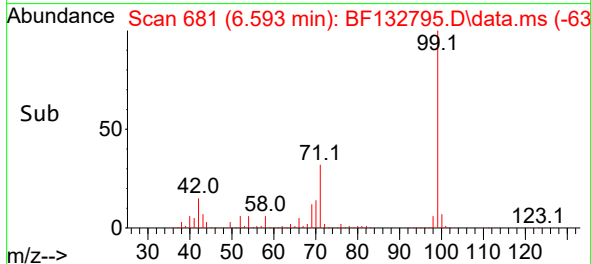
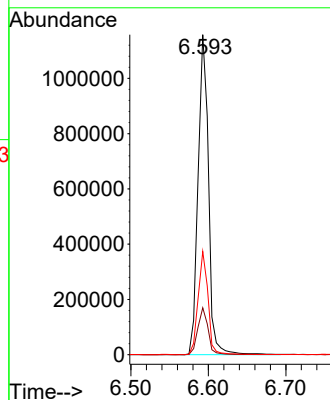
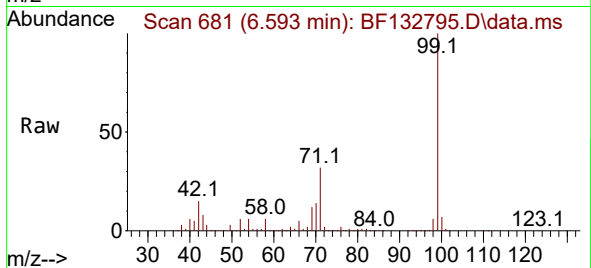




#7
Phenol-d6
Concen: 71.380 ng
RT: 6.593 min Scan# 61
Delta R.T. -0.012 min
Lab File: BF132795.D
Acq: 15 Mar 2023 00:09

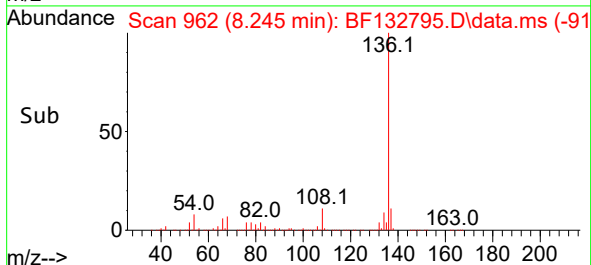
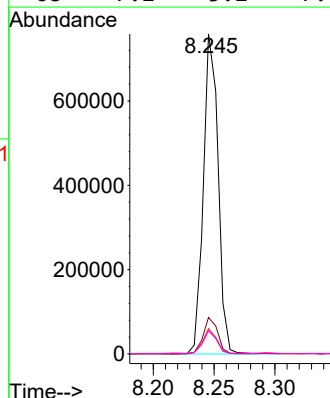
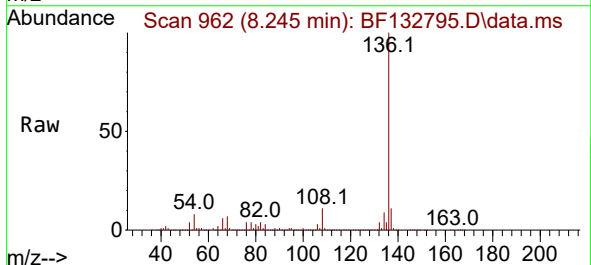
Instrument :
BNA_F
ClientSampleId :
TR-04-031323

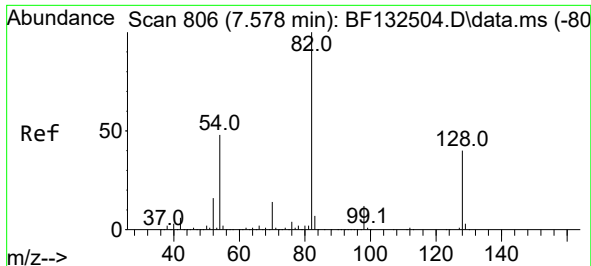
Tgt Ion: 99 Resp: 1081542
Ion Ratio Lower Upper
99 100
42 14.7 13.9 20.9
71 32.2 28.5 42.7



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.245 min Scan# 962
Delta R.T. -0.006 min
Lab File: BF132795.D
Acq: 15 Mar 2023 00:09

Tgt Ion:136 Resp: 640418
Ion Ratio Lower Upper
136 100
137 11.4 8.9 13.3
54 7.9 6.2 9.4
68 7.2 5.2 7.8

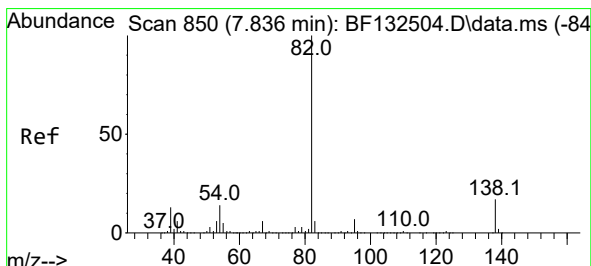
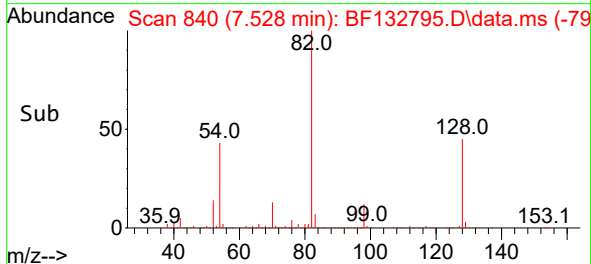
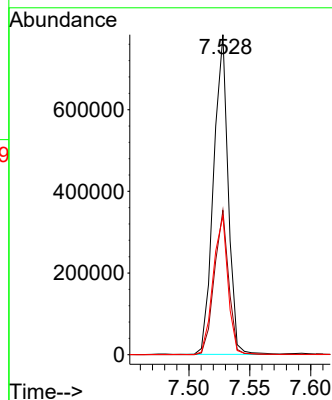
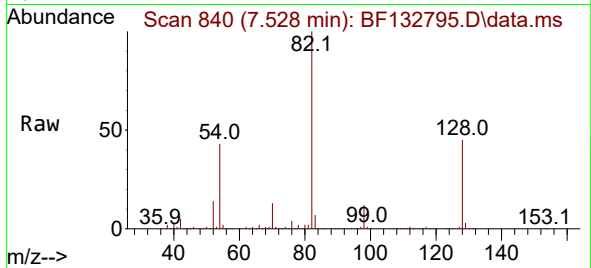




#23
Nitrobenzene-d5
Concen: 48.342 ng
RT: 7.528 min Scan# 840
Delta R.T. -0.012 min
Lab File: BF132795.D
Acq: 15 Mar 2023 00:09

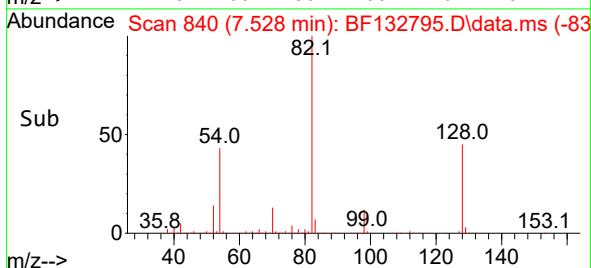
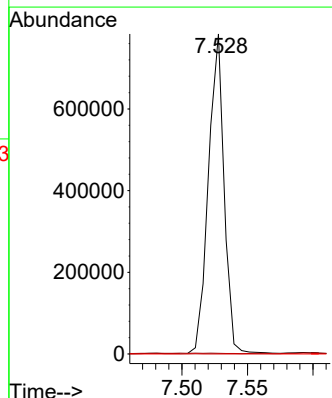
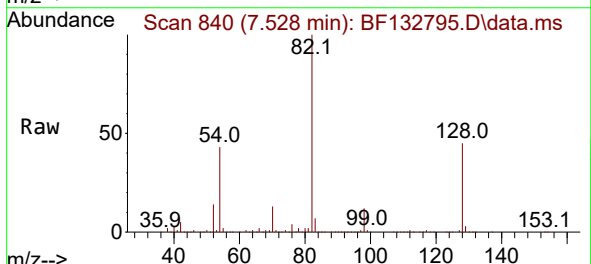
Instrument :
BNA_F
ClientSampleId :
TR-04-031323

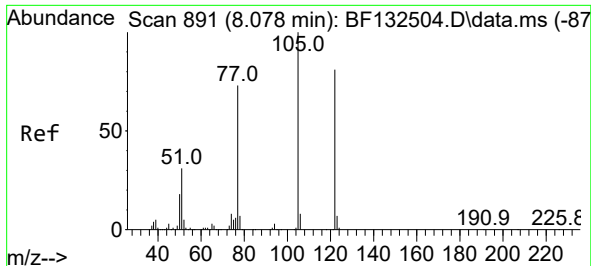
Tgt Ion: 82 Resp: 652536
Ion Ratio Lower Upper
82 100
128 45.1 32.2 48.2
54 43.4 38.4 57.6



#25
Isophorone
Concen: 25.191 ng
RT: 7.528 min Scan# 840
Delta R.T. -0.265 min
Lab File: BF132795.D
Acq: 15 Mar 2023 00:09

Tgt Ion: 82 Resp: 651928
Ion Ratio Lower Upper
82 100
95 0.2 5.7 8.5#
138 0.0 13.3 19.9#

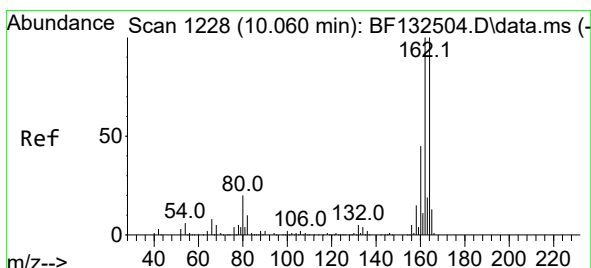
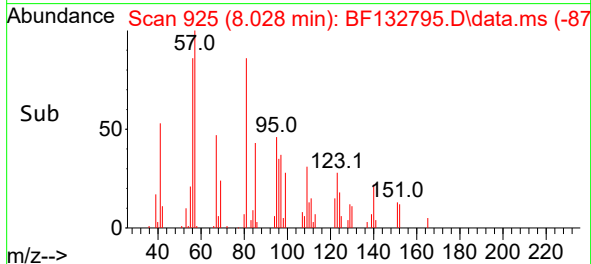
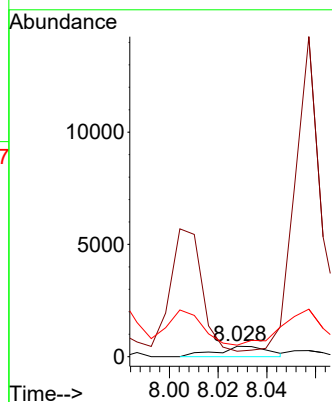
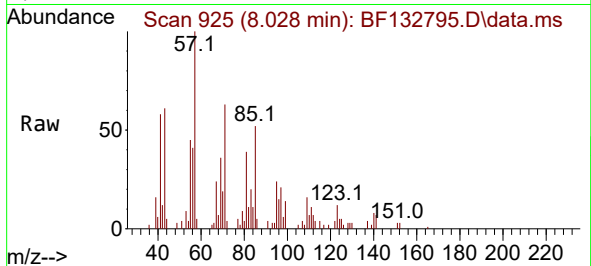




#32
Benzoic acid
Concen: 3.915 ng
RT: 8.028 min Scan# 91
Delta R.T. -0.006 min
Lab File: BF132795.D
Acq: 15 Mar 2023 00:09

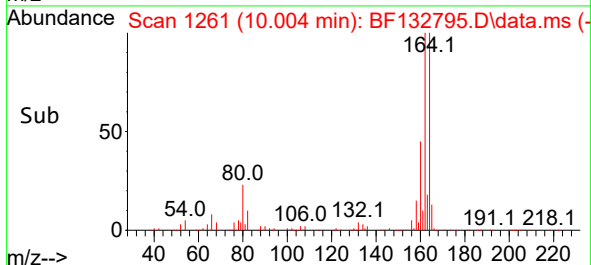
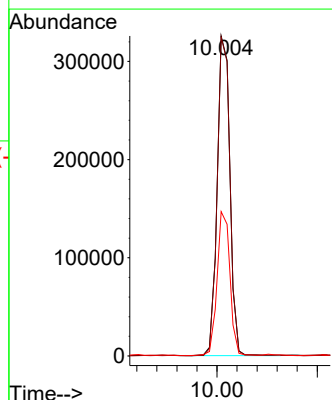
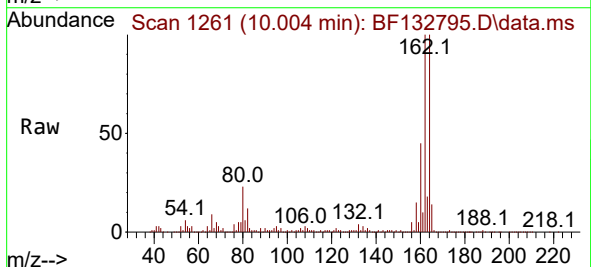
Instrument :
BNA_F
ClientSampleId :
TR-04-031323

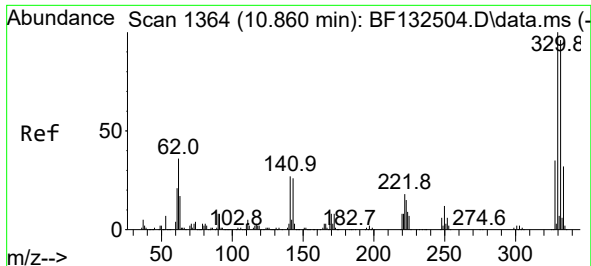
Tgt Ion:122 Resp: 678
Ion Ratio Lower Upper
122 100
105 51.3 102.6 142.6#
77 110.7 70.2 110.2#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 10.004 min Scan# 1261
Delta R.T. -0.006 min
Lab File: BF132795.D
Acq: 15 Mar 2023 00:09

Tgt Ion:164 Resp: 287232
Ion Ratio Lower Upper
164 100
162 99.6 79.8 119.8
160 45.1 35.8 53.6





#42

2,4,6-Tribromophenol

Concen: 42.089 ng

RT: 10.798 min Scan# 1145

Delta R.T. -0.012 min

Lab File: BF132795.D

Acq: 15 Mar 2023 00:09

Instrument :

BNA_F

ClientSampleId :

TR-04-031323

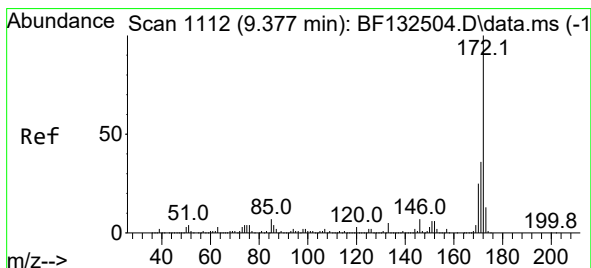
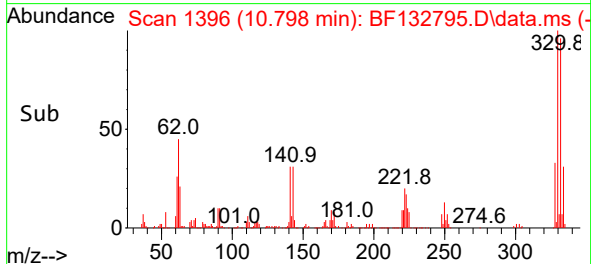
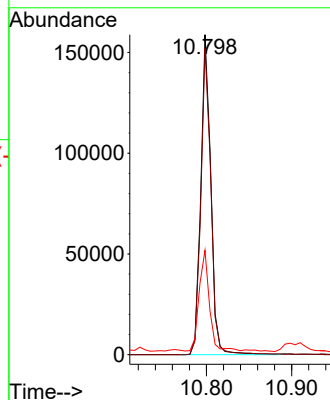
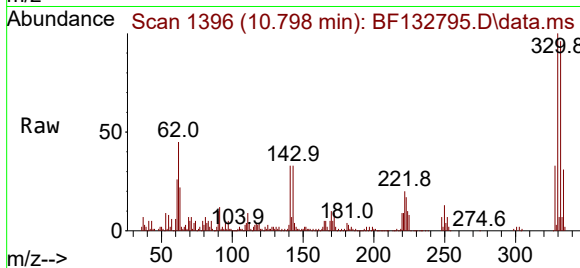
Tgt Ion:330 Resp: 130558

Ion Ratio Lower Upper

330 100

332 95.5 76.2 114.4

141 32.5 28.4 42.6



#45

2-Fluorobiphenyl

Concen: 52.809 ng

RT: 9.322 min Scan# 1145

Delta R.T. -0.006 min

Lab File: BF132795.D

Acq: 15 Mar 2023 00:09

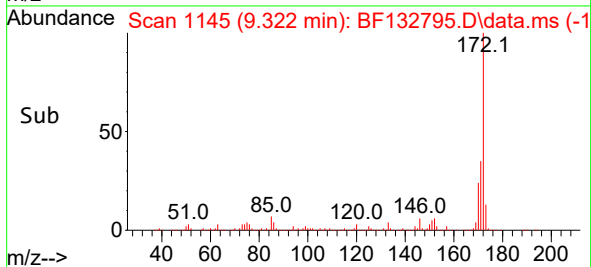
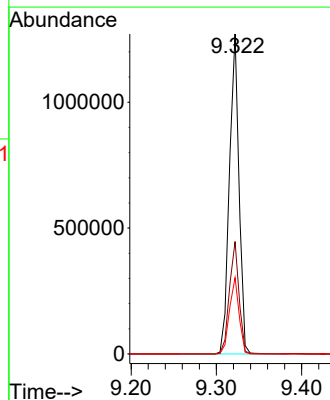
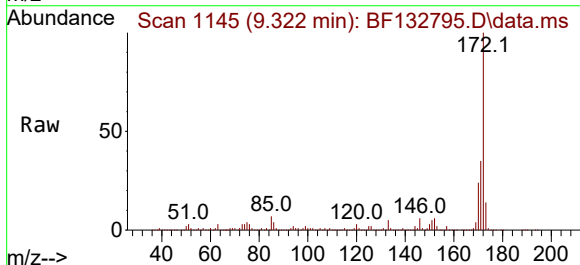
Tgt Ion:172 Resp: 996179

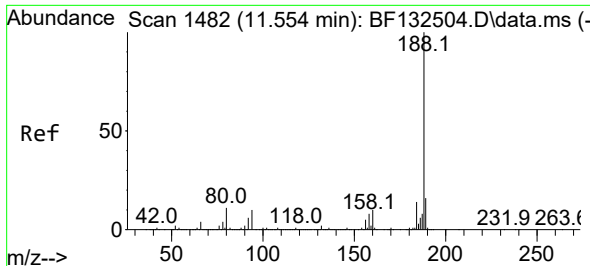
Ion Ratio Lower Upper

172 100

171 35.1 28.8 43.2

170 23.8 19.7 29.5

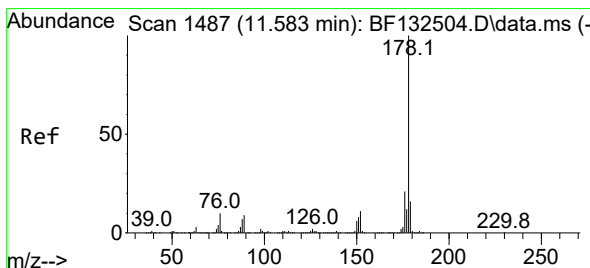
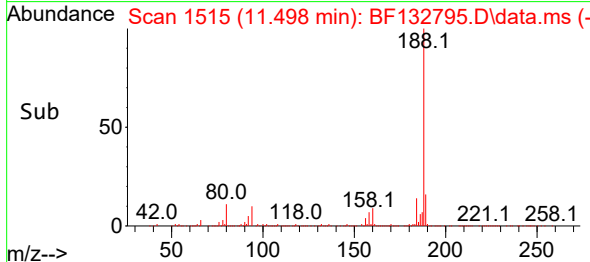
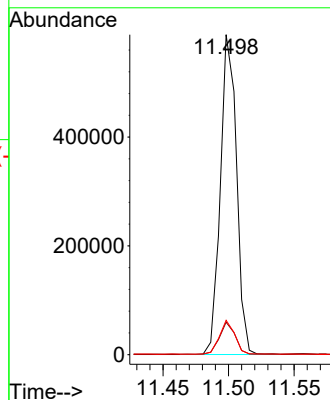
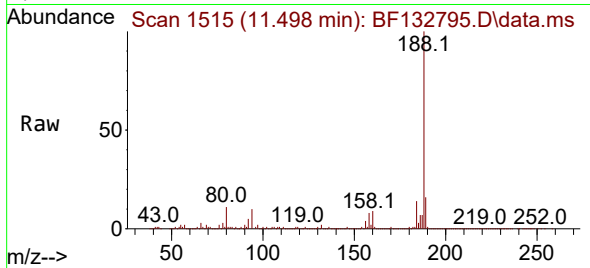




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.498 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF132795.D
Acq: 15 Mar 2023 00:09

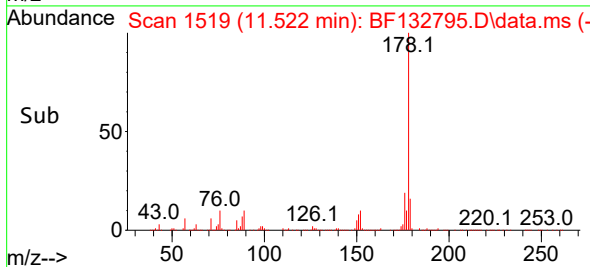
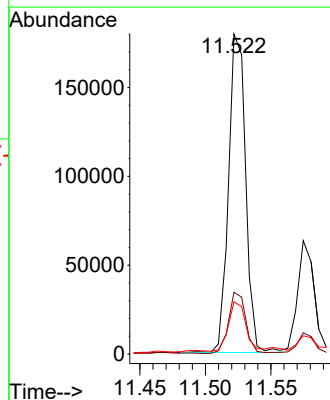
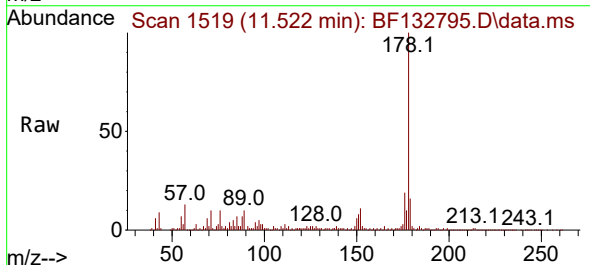
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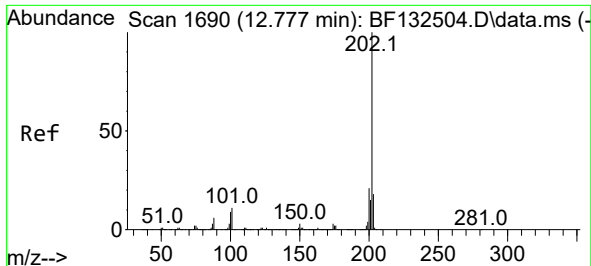
Tgt Ion:188 Resp: 503087
Ion Ratio Lower Upper
188 100
94 10.1 8.3 12.5
80 10.8 8.7 13.1



#71
Phenanthrene
Concen: 6.247 ng
RT: 11.522 min Scan# 1519
Delta R.T. -0.012 min
Lab File: BF132795.D
Acq: 15 Mar 2023 00:09

Tgt Ion:178 Resp: 162799
Ion Ratio Lower Upper
178 100
176 19.3 16.5 24.7
179 16.3 13.0 19.6

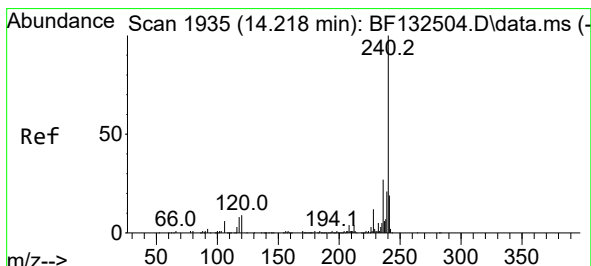
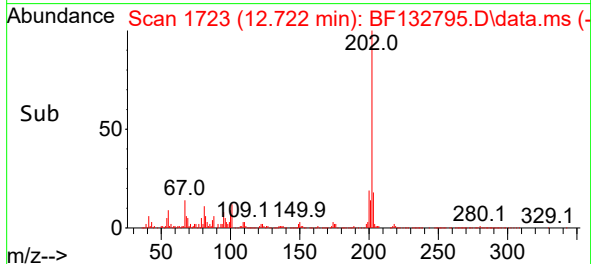
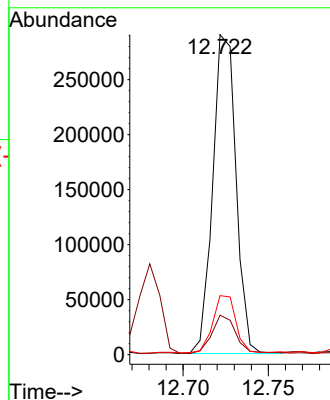
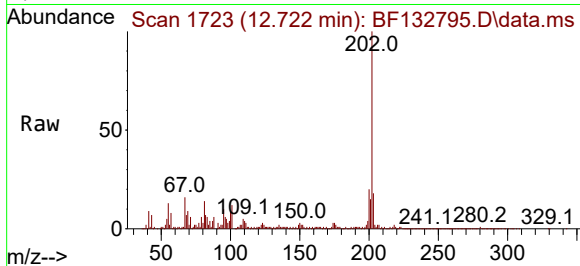




#75
Fluoranthene
Concen: 9.678 ng
RT: 12.722 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF132795.D
Acq: 15 Mar 2023 00:09

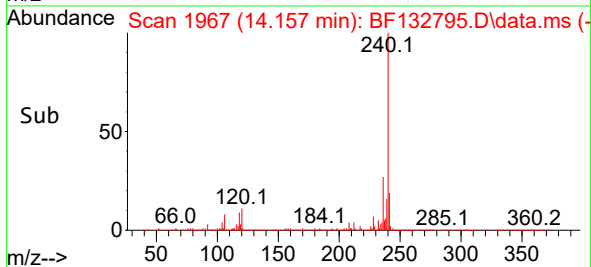
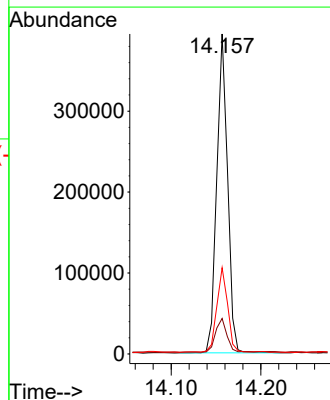
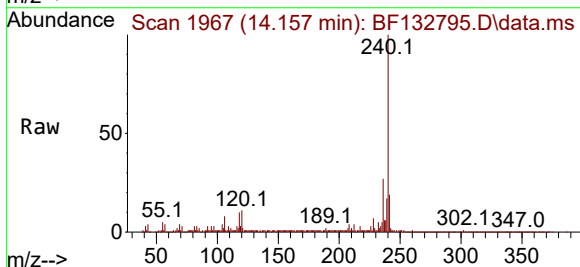
Instrument :
BNA_F
ClientSampleId :
TR-04-031323

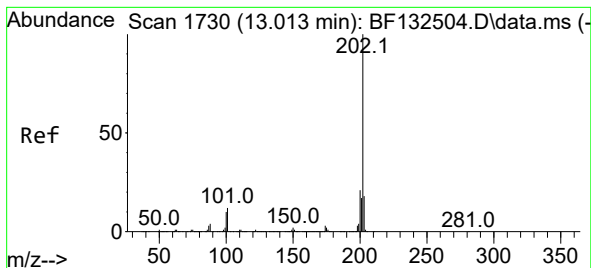
Tgt Ion:202 Resp: 275747
Ion Ratio Lower Upper
202 100
101 12.3 0.0 31.4
203 18.4 0.0 38.0



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.157 min Scan# 1967
Delta R.T. -0.006 min
Lab File: BF132795.D
Acq: 15 Mar 2023 00:09

Tgt Ion:240 Resp: 329451
Ion Ratio Lower Upper
240 100
120 11.1 7.2 10.8#
236 27.0 21.8 32.6





#78

Pyrene

Concen: 9.499 ng

RT: 12.957 min Scan# 1

Delta R.T. 0.000 min

Lab File: BF132795.D

Acq: 15 Mar 2023 00:09

Instrument :

BNA_F

ClientSampleId :

TR-04-031323

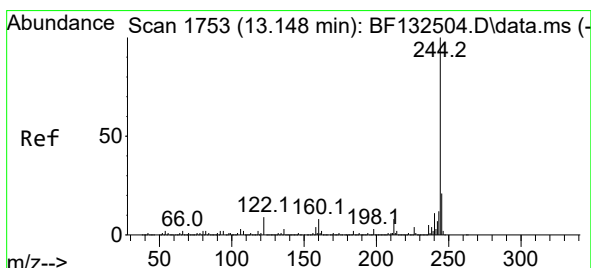
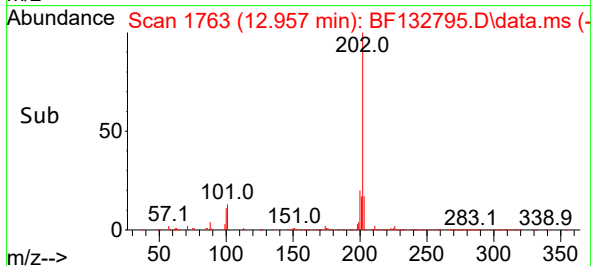
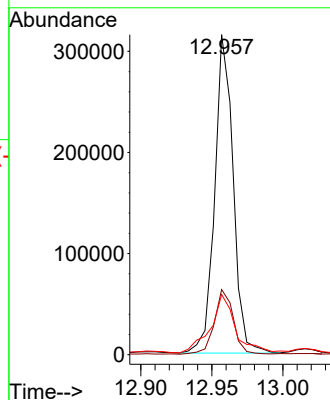
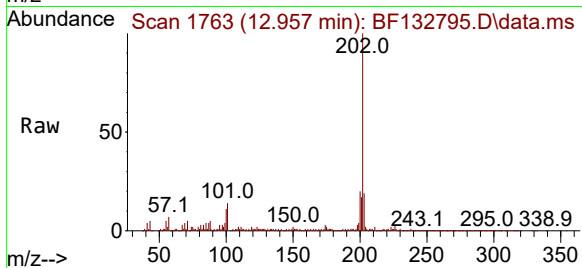
Tgt Ion:202 Resp: 284511

Ion Ratio Lower Upper

202 100

200 20.3 17.1 25.7

203 18.8 14.6 21.8



#79

Terphenyl-d14

Concen: 52.241 ng

RT: 13.092 min Scan# 1786

Delta R.T. 0.000 min

Lab File: BF132795.D

Acq: 15 Mar 2023 00:09

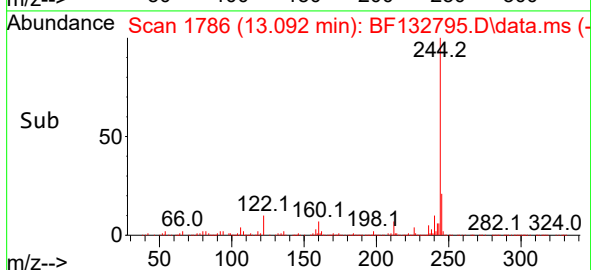
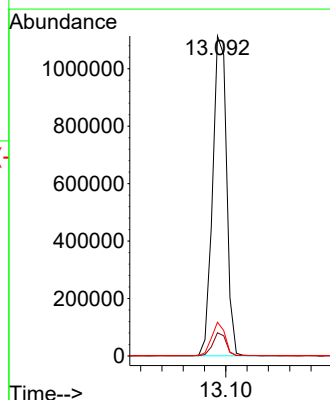
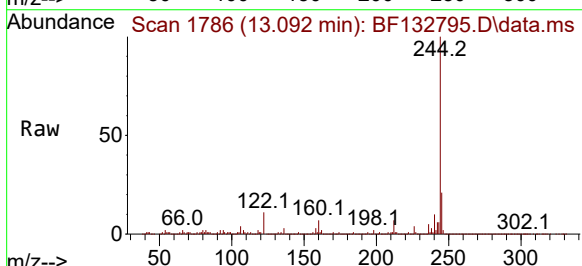
Tgt Ion:244 Resp: 1017944

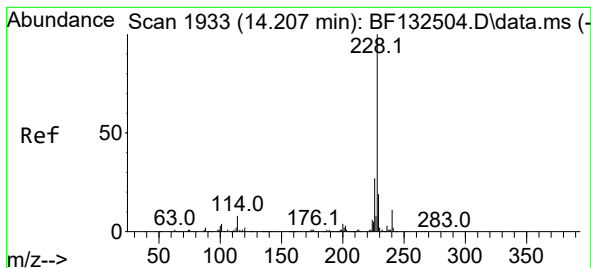
Ion Ratio Lower Upper

244 100

212 7.3 6.5 9.7

122 10.6 7.5 11.3





#81

Benzo(a)anthracene

Concen: 4.413 ng

RT: 14.145 min Scan# 1933

Delta R.T. -0.006 min

Lab File: BF132795.D

Acq: 15 Mar 2023 00:09

Instrument :

BNA_F

ClientSampleId :

TR-04-031323

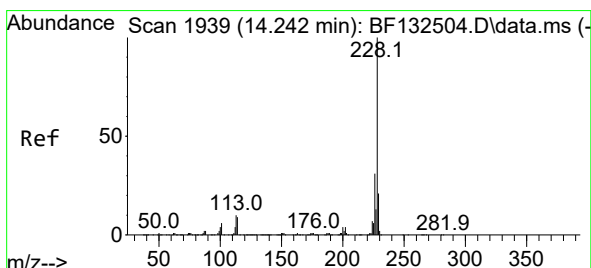
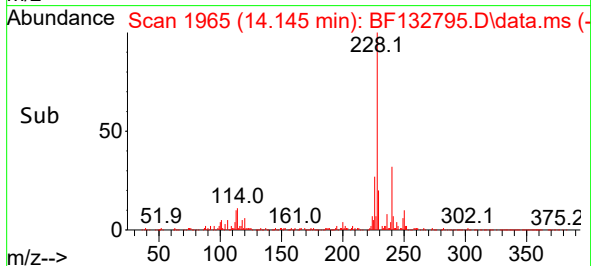
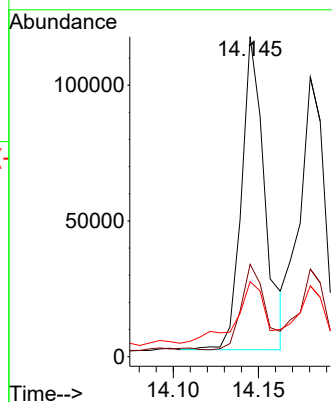
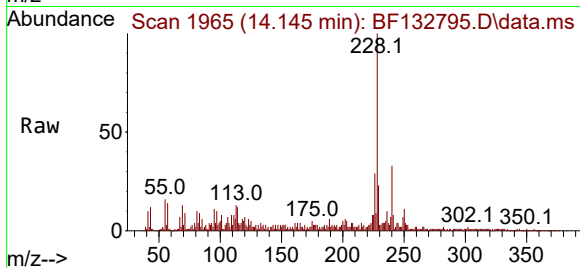
Tgt Ion:228 Resp: 108777

Ion Ratio Lower Upper

228 100

226 28.9 21.7 32.5

229 23.5 15.4 23.2#



#83

Chrysene

Concen: 4.719 ng

RT: 14.145 min Scan# 1965

Delta R.T. -0.047 min

Lab File: BF132795.D

Acq: 15 Mar 2023 00:09

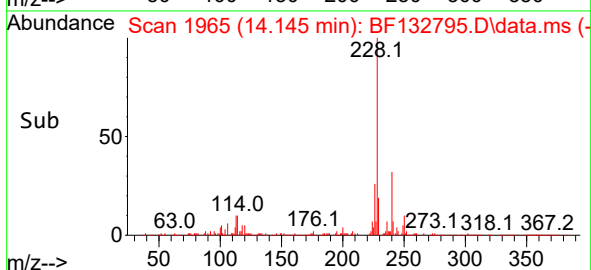
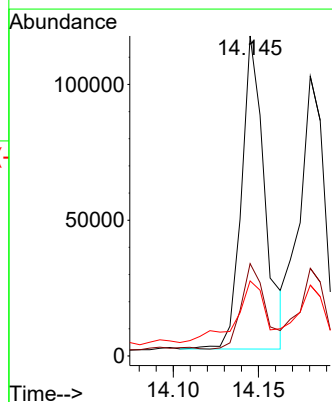
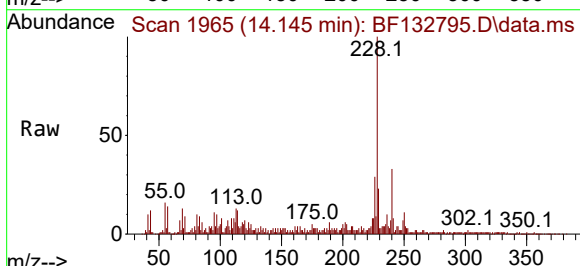
Tgt Ion:228 Resp: 108777

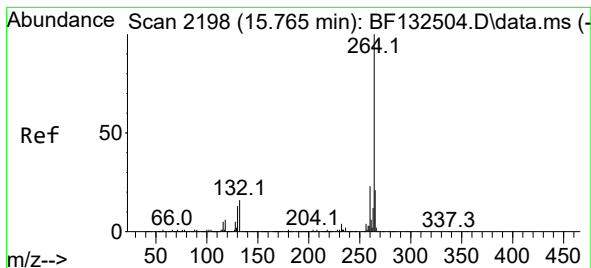
Ion Ratio Lower Upper

228 100

226 28.9 25.0 37.6

229 23.5 16.4 24.6





#86

Perylene-d12

Concen: 20.000 ng

RT: 15.692 min Scan# 2198

Delta R.T. 0.000 min

Lab File: BF132795.D

Acq: 15 Mar 2023 00:09

Instrument :

BNA_F

ClientSampleId :

TR-04-031323

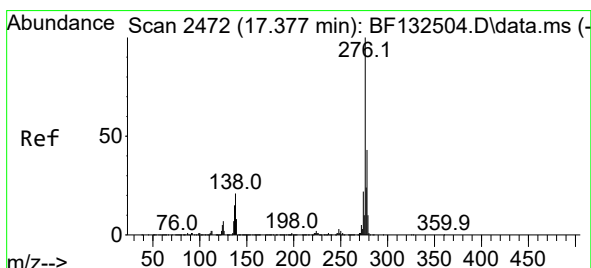
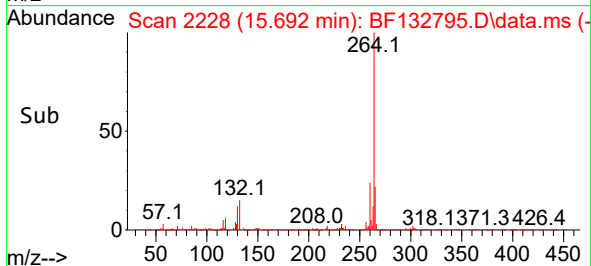
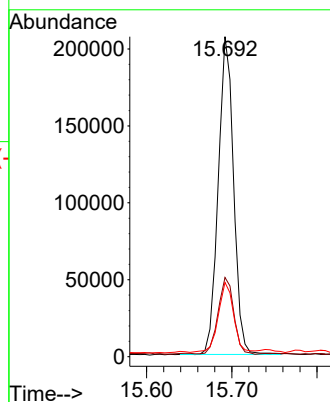
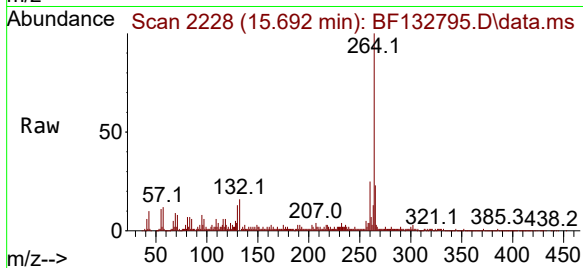
Tgt Ion:264 Resp: 259173

Ion Ratio Lower Upper

264 100

260 24.8 18.8 28.2

265 23.2 17.1 25.7



#87

Indeno(1,2,3-cd)pyrene

Concen: 2.052 ng

RT: 17.268 min Scan# 2496

Delta R.T. -0.006 min

Lab File: BF132795.D

Acq: 15 Mar 2023 00:09

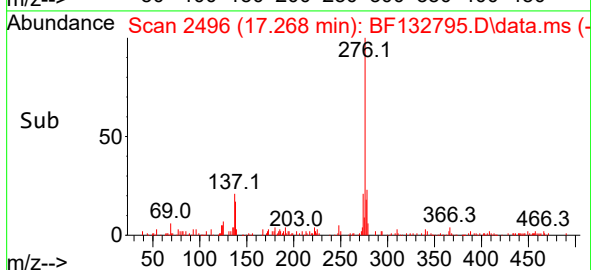
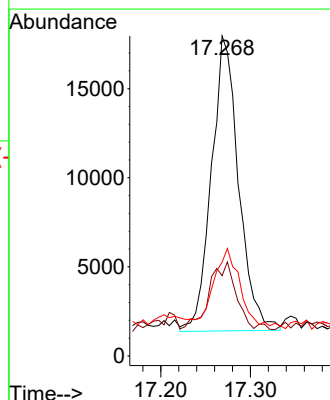
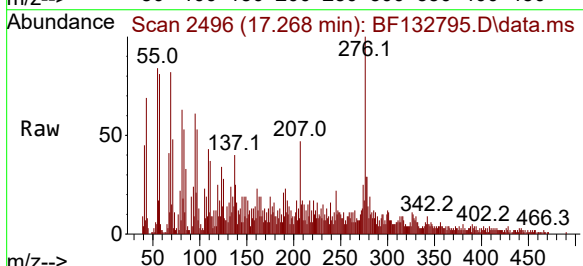
Tgt Ion:276 Resp: 34855

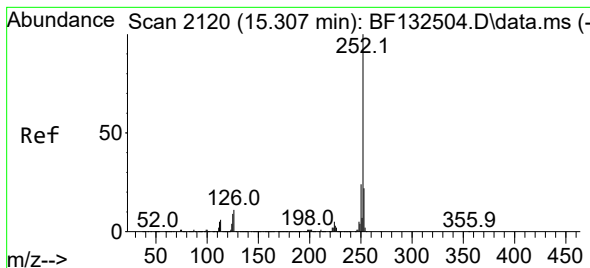
Ion Ratio Lower Upper

276 100

138 22.0 19.0 28.4

277 26.8 20.0 30.0





#88

Benzo(b)fluoranthene

Concen: 7.199 ng

RT: 15.233 min Scan# 21

Delta R.T. 0.000 min

Lab File: BF132795.D

Acq: 15 Mar 2023 00:09

Instrument :

BNA_F

ClientSampleId :

TR-04-031323

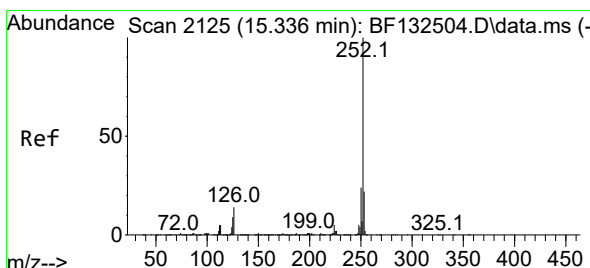
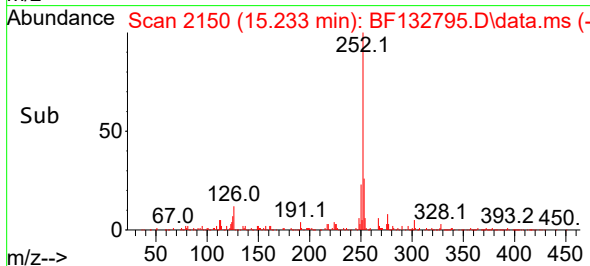
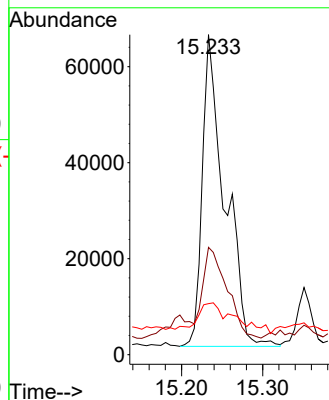
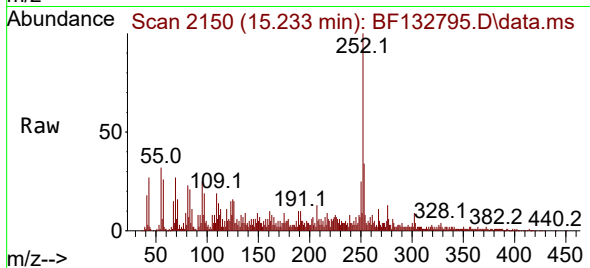
Tgt Ion:252 Resp: 125029

Ion Ratio Lower Upper

252 100

253 33.5 17.4 26.0#

125 15.9 7.0 10.6#



#89

Benzo(k)fluoranthene

Concen: 7.355 ng

RT: 15.233 min Scan# 2150

Delta R.T. -0.035 min

Lab File: BF132795.D

Acq: 15 Mar 2023 00:09

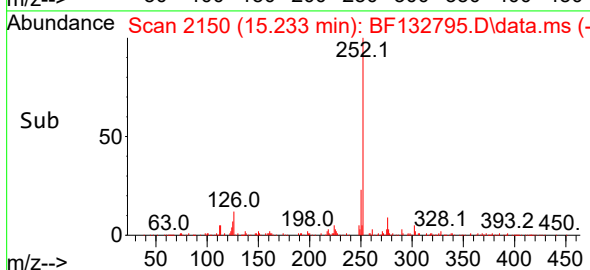
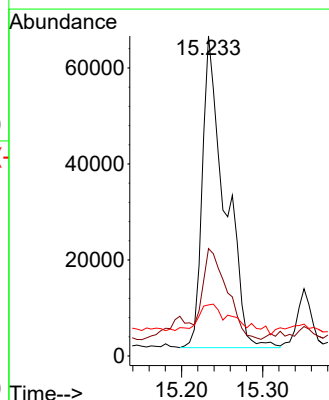
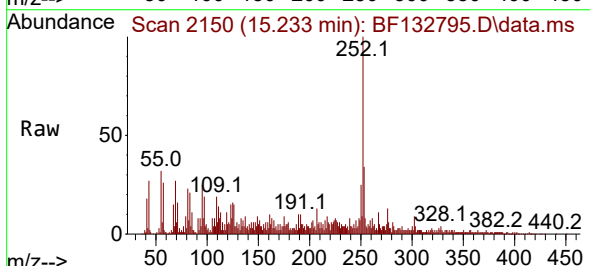
Tgt Ion:252 Resp: 125029

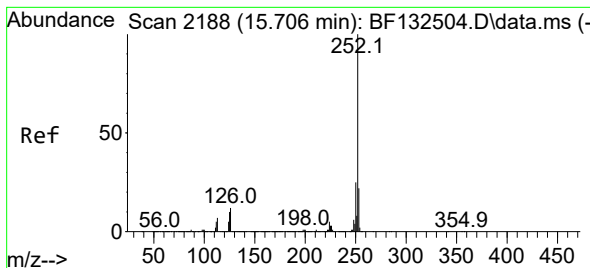
Ion Ratio Lower Upper

252 100

253 33.5 17.5 26.3#

125 15.9 7.2 10.8#





#90

Benzo(a)pyrene

Concen: 4.186 ng

RT: 15.627 min Scan# 2188

Delta R.T. 0.000 min

Lab File: BF132795.D

Acq: 15 Mar 2023 00:09

Instrument :

BNA_F

ClientSampleId :

TR-04-031323

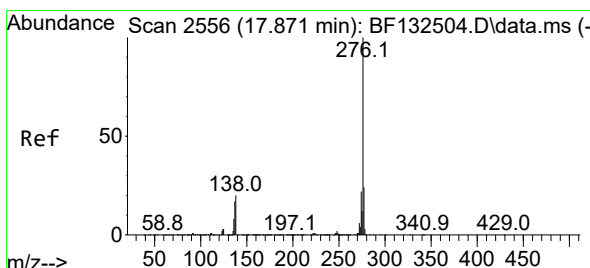
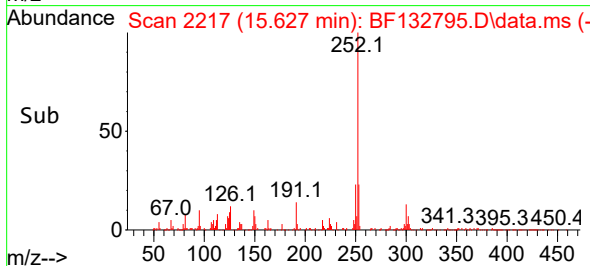
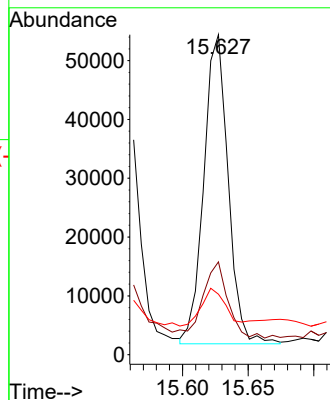
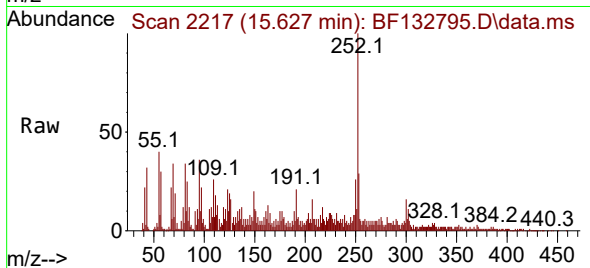
Tgt Ion:252 Resp: 68050

Ion Ratio Lower Upper

252 100

253 29.0 17.2 25.8#

125 18.9 8.0 12.0#



#92

Benzo(g,h,i)perylene

Concen: 3.998 ng

RT: 17.757 min Scan# 2579

Delta R.T. 0.000 min

Lab File: BF132795.D

Acq: 15 Mar 2023 00:09

Tgt Ion:276 Resp: 38580

Ion Ratio Lower Upper

276 100

277 31.8 18.9 28.3#

138 24.5 16.2 24.4#

