

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF100423\
 Data File : BF135596.D
 Acq On : 05 Oct 2023 05:09
 Operator : CG\JU
 Sample : 04645-02 5X
 Misc :
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 E9066-OB-001

Quant Time: Oct 05 06:53:13 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF091123.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Oct 04 17:06:20 2023
 Response via : Initial Calibration

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

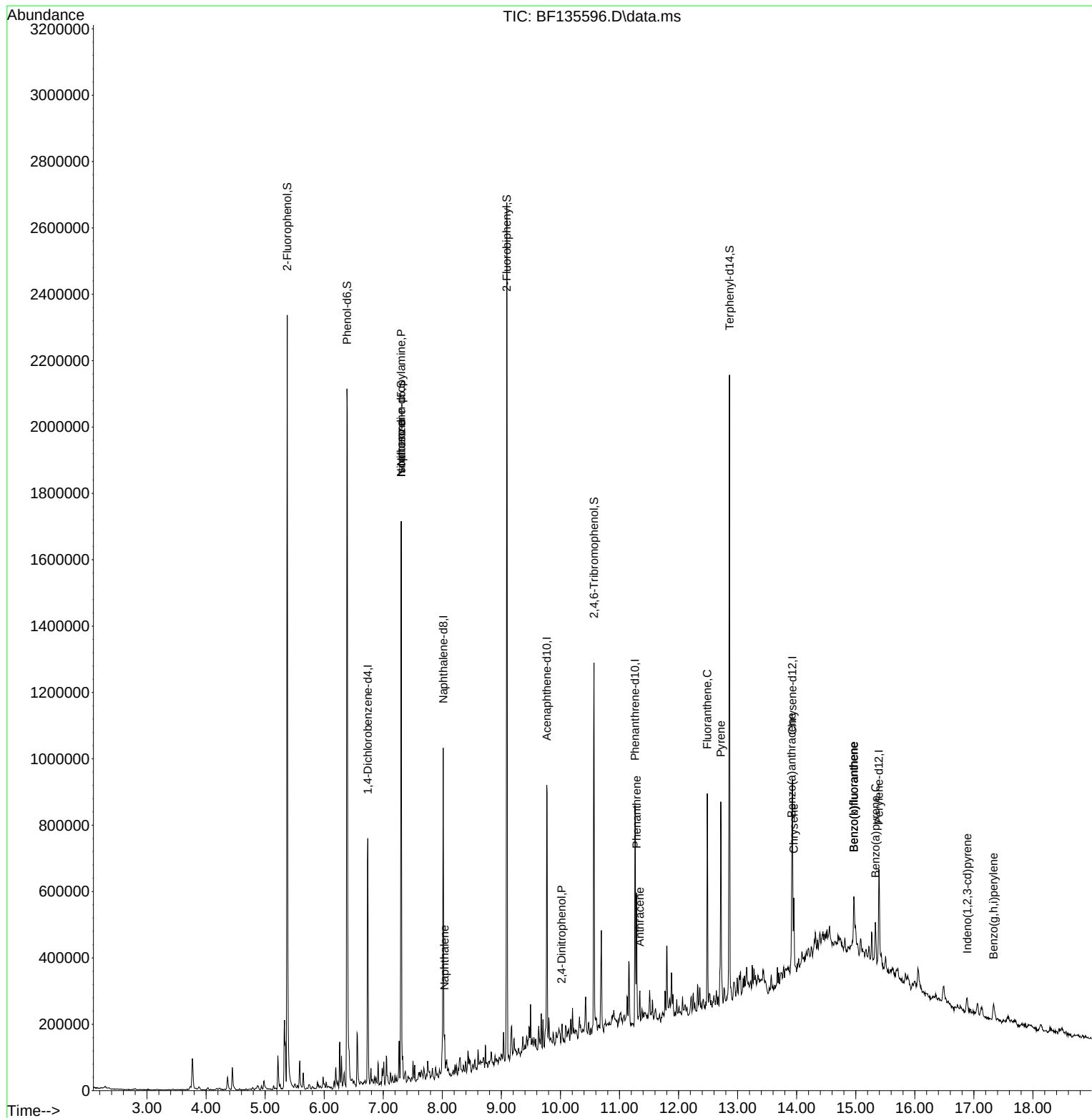
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.740	152	110690	20.000	ng	0.00
21) Naphthalene-d8	8.016	136	389508	20.000	ng	0.00
39) Acenaphthene-d10	9.769	164	163149	20.000	ng	0.00
64) Phenanthrene-d10	11.263	188	254271	20.000	ng	0.00
76) Chrysene-d12	13.927	240	168614	20.000	ng	0.00
86) Perylene-d12	15.392	264	139964	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.375	112	615625	90.458	ng	0.00
7) Phenol-d6	6.387	99	763501	88.228	ng	0.00
23) Nitrobenzene-d5	7.304	82	465956	64.993	ng	0.00
42) 2,4,6-Tribromophenol	10.569	330	126959	78.307	ng	0.00
45) 2-Fluorobiphenyl	9.092	172	771246	71.321	ng	0.00
79) Terphenyl-d14	12.863	244	636845	58.550	ng	0.00
Target Compounds						Qvalue
19) n-Nitroso-di-n-propyla...	7.304	70	61459	11.466	ng	# 80
25) Isophorone	7.304	82	465809	35.383	ng	# 65
31) Naphthalene	8.039	128	41128	2.173	ng	98
54) 2,4-Dinitrophenol	10.022	184	67	6.293	ng	# 1
71) Phenanthrene	11.292	178	153846	12.793	ng	98
72) Anthracene	11.345	178	37479	3.032	ng	97
75) Fluoranthene	12.486	202	245265	19.573	ng	99
78) Pyrene	12.716	202	258092	16.077	ng	98
81) Benzo(a)anthracene	13.916	228	99285	9.119	ng	98
83) Chrysene	13.951	228	88526	8.178	ng	96
87) Indeno(1,2,3-cd)pyrene	16.886	276	31500	3.433	ng	97
88) Benzo(b)fluoranthene	14.968	252	108944	14.379	ng	# 89
89) Benzo(k)fluoranthene	14.968	252	108944	14.556	ng	# 89
90) Benzo(a)pyrene	15.333	252	57925	8.017	ng	# 92
92) Benzo(g,h,i)perylene	17.333	276	32729	4.174	ng	96

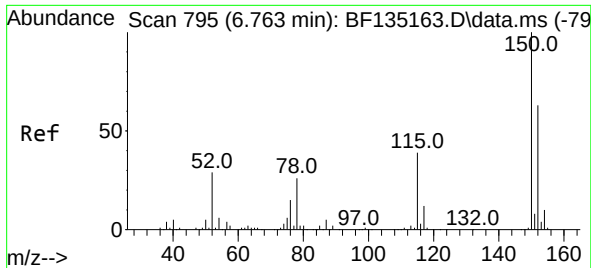
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF100423\
Data File : BF135596.D
Acq On : 05 Oct 2023 05:09
Operator : CG\JU
Sample : 04645-02 5X
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
E9066-OB-001

Quant Time: Oct 05 06:53:13 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF091123.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Oct 04 17:06:20 2023
Response via : Initial Calibration

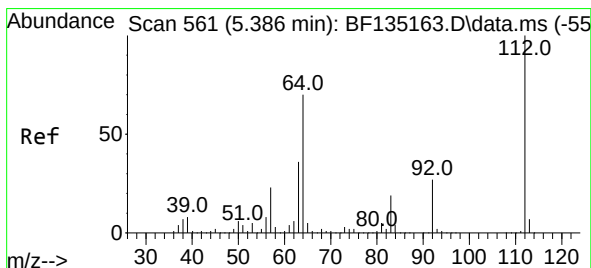
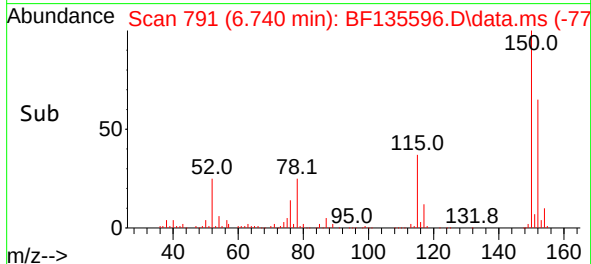
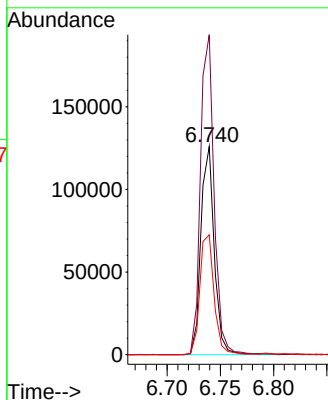
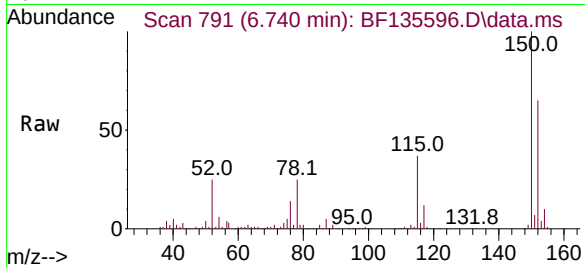




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.740 min Scan# 795
 Delta R.T. 0.001 min
 Lab File: BF135596.D
 Acq: 05 Oct 2023 05:09

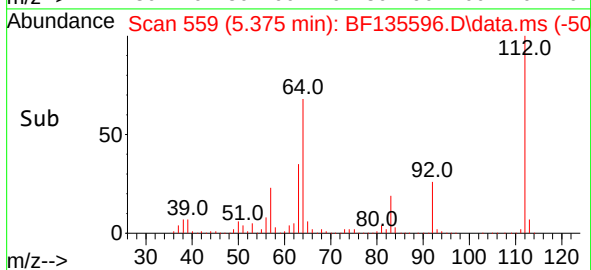
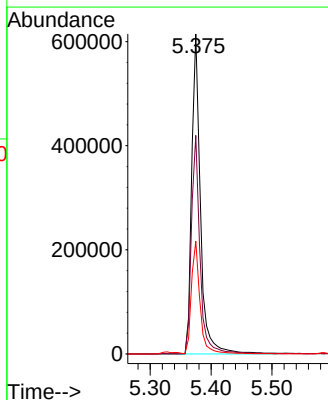
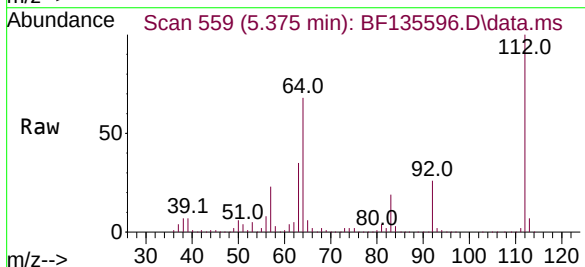
Instrument :
 BNA_F
 ClientSampleId :
 E9066-OB-001

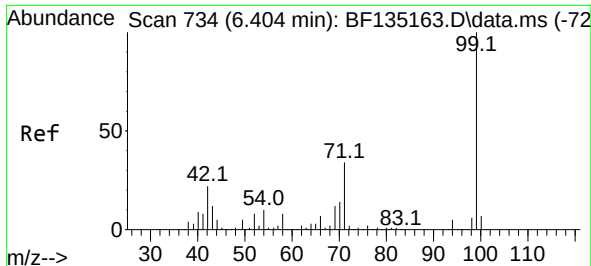
Tgt Ion:152 Resp: 110690
 Ion Ratio Lower Upper
 152 100
 150 153.7 127.8 191.6
 115 57.6 49.8 74.8



#5
 2-Fluorophenol
 Concen: 90.458 ng
 RT: 5.375 min Scan# 559
 Delta R.T. 0.006 min
 Lab File: BF135596.D
 Acq: 05 Oct 2023 05:09

Tgt Ion:112 Resp: 615625
 Ion Ratio Lower Upper
 112 100
 64 68.3 55.9 83.9
 63 35.2 29.0 43.6

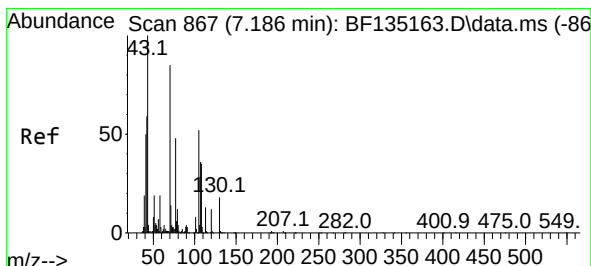
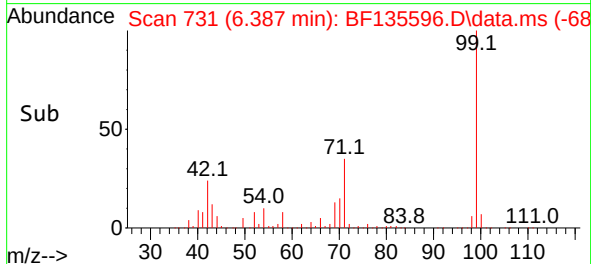
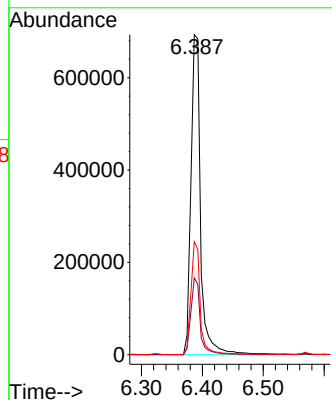
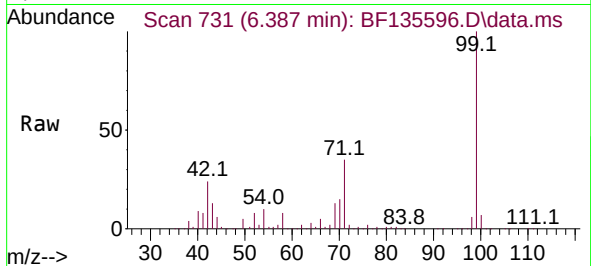




#7
Phenol-d6
Concen: 88.228 ng
RT: 6.387 min Scan# 71
Delta R.T. 0.000 min
Lab File: BF135596.D
Acq: 05 Oct 2023 05:09

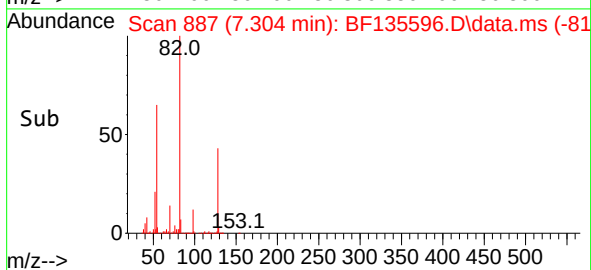
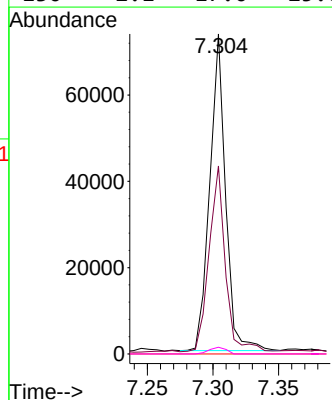
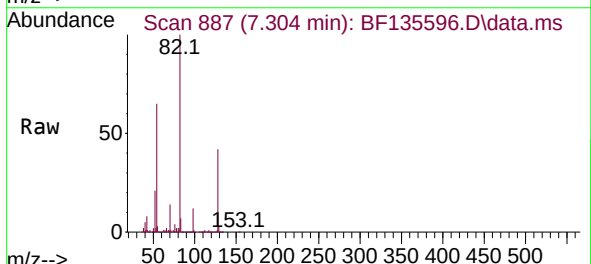
Instrument :
BNA_F
ClientSampleId :
E9066-OB-001

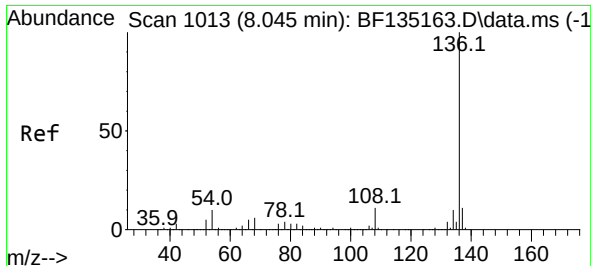
Tgt Ion: 99 Resp: 763501
Ion Ratio Lower Upper
99 100
42 24.0 17.9 26.9
71 35.3 27.0 40.6



#19
n-Nitroso-di-n-propylamine
Concen: 11.466 ng
RT: 7.304 min Scan# 887
Delta R.T. 0.147 min
Lab File: BF135596.D
Acq: 05 Oct 2023 05:09

Tgt Ion: 70 Resp: 61459
Ion Ratio Lower Upper
70 100
42 58.8 55.4 83.0
101 0.0 7.7 11.5#
130 2.1 17.0 25.6#

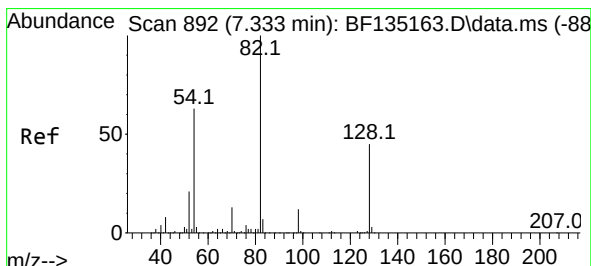
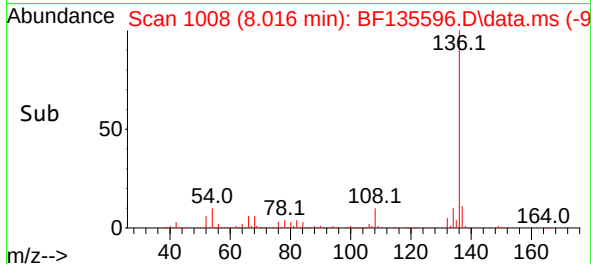
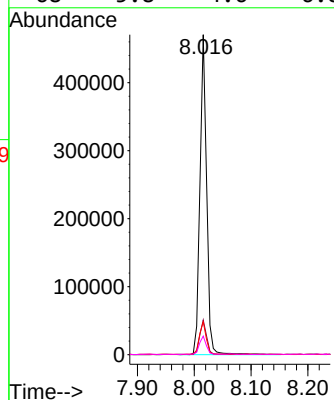
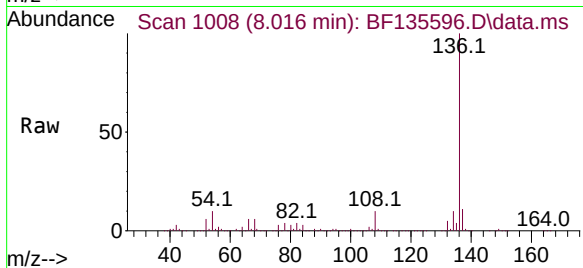




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.016 min Scan# 1013
Delta R.T. 0.000 min
Lab File: BF135596.D
Acq: 05 Oct 2023 05:09

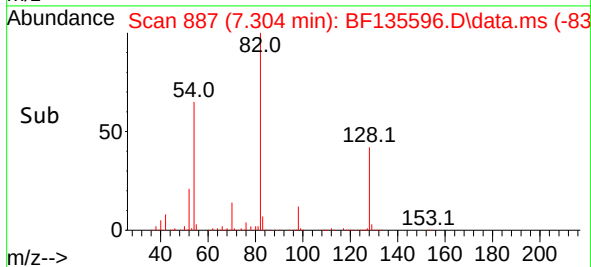
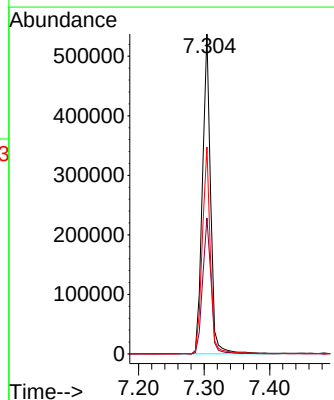
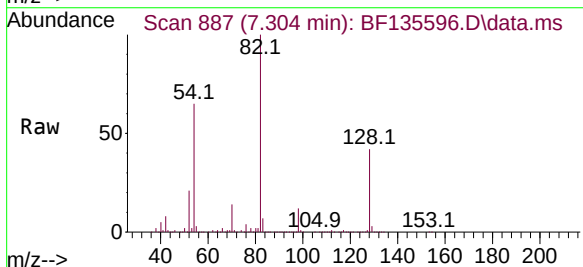
Instrument :
BNA_F
ClientSampleId :
E9066-OB-001

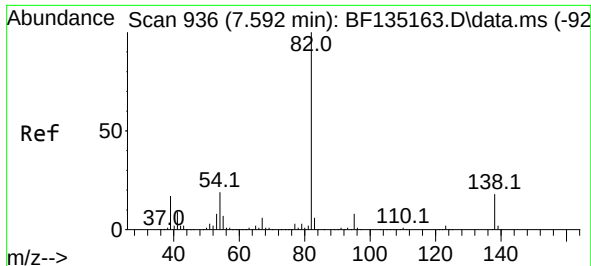
Tgt Ion:136 Resp: 389508
Ion Ratio Lower Upper
136 100
137 10.9 8.8 13.2
54 10.2 7.7 11.5
68 5.8 4.6 6.8



#23
Nitrobenzene-d5
Concen: 64.993 ng
RT: 7.304 min Scan# 887
Delta R.T. -0.006 min
Lab File: BF135596.D
Acq: 05 Oct 2023 05:09

Tgt Ion: 82 Resp: 465956
Ion Ratio Lower Upper
82 100
128 42.5 35.8 53.6
54 64.7 50.6 76.0





#25

Isophorone

Concen: 35.383 ng

RT: 7.304 min Scan# 81

Delta R.T. -0.259 min

Lab File: BF135596.D

Acq: 05 Oct 2023 05:09

Instrument :

BNA_F

ClientSampleId :

E9066-OB-001

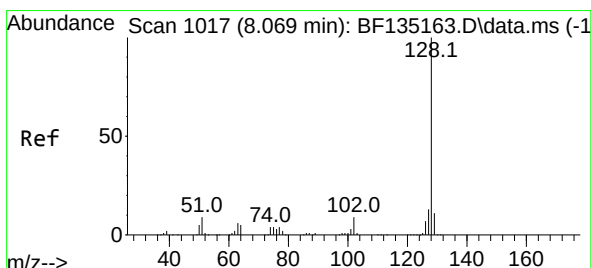
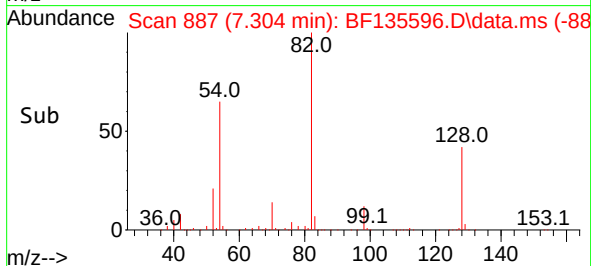
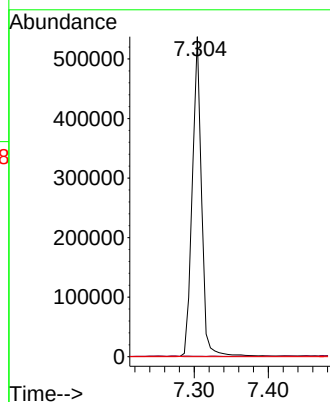
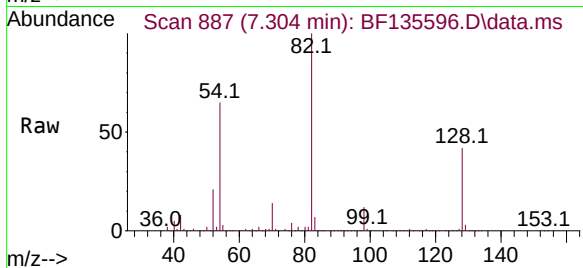
Tgt Ion: 82 Resp: 465809

Ion Ratio Lower Upper

82 100

95 0.1 6.0 9.0#

138 0.0 14.5 21.7#



#31

Naphthalene

Concen: 2.173 ng

RT: 8.039 min Scan# 1012

Delta R.T. 0.000 min

Lab File: BF135596.D

Acq: 05 Oct 2023 05:09

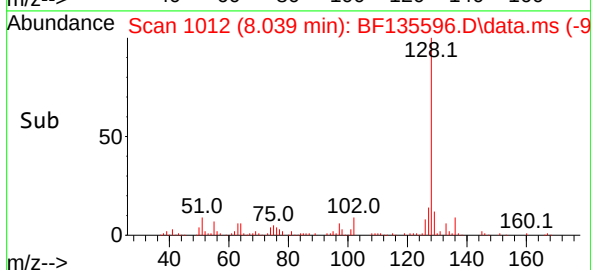
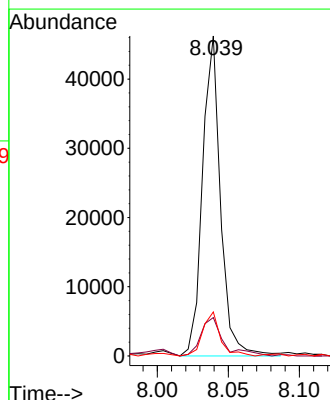
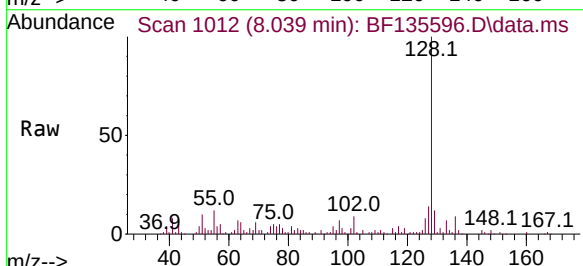
Tgt Ion: 128 Resp: 41128

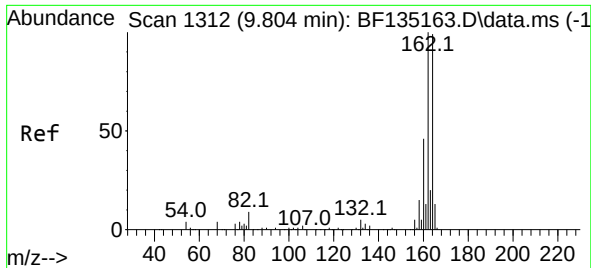
Ion Ratio Lower Upper

128 100

129 12.0 8.7 13.1

127 13.7 10.7 16.1





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.769 min Scan# 1

Delta R.T. -0.006 min

Lab File: BF135596.D

Acq: 05 Oct 2023 05:09

Instrument :

BNA_F

ClientSampleId :

E9066-OB-001

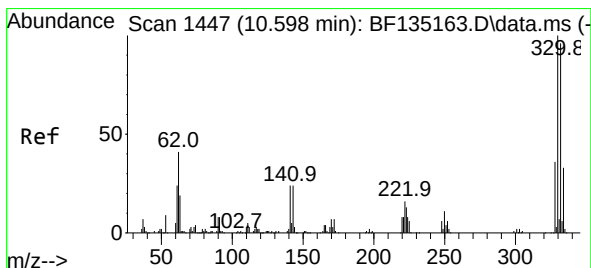
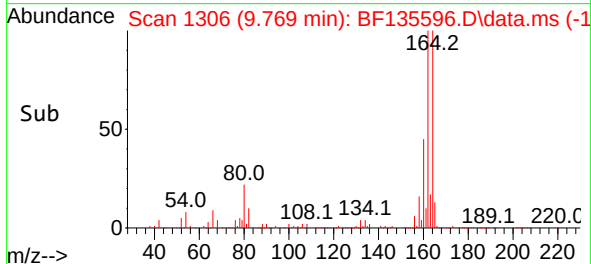
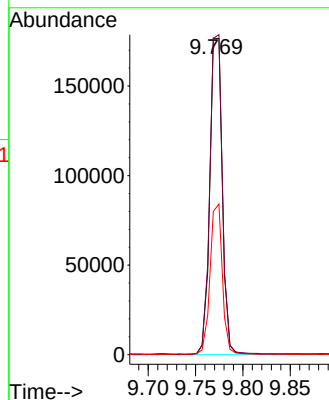
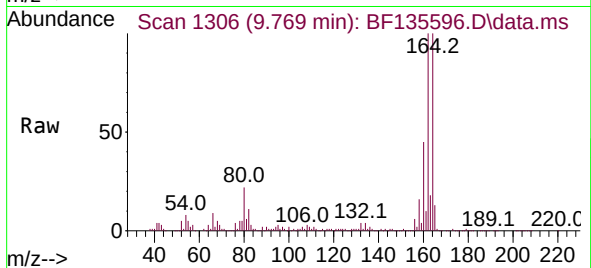
Tgt Ion:164 Resp: 163149

Ion Ratio Lower Upper

164 100

162 100.0 81.0 121.4

160 45.3 37.0 55.4



#42

2,4,6-Tribromophenol

Concen: 78.307 ng

RT: 10.569 min Scan# 1442

Delta R.T. 0.000 min

Lab File: BF135596.D

Acq: 05 Oct 2023 05:09

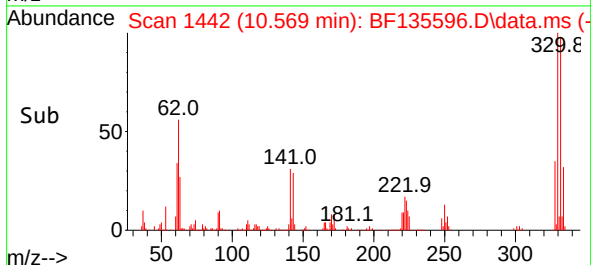
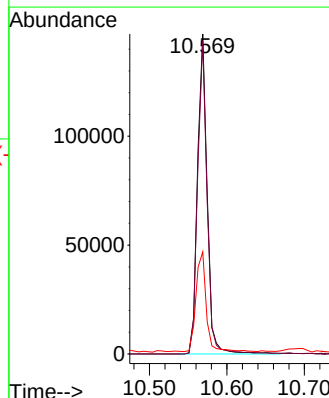
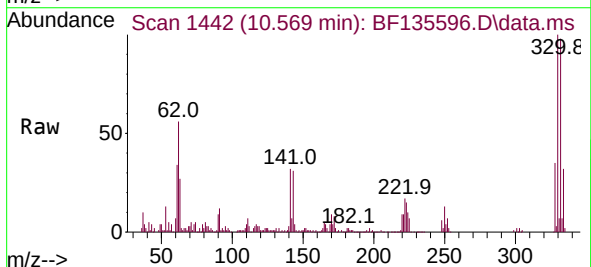
Tgt Ion:330 Resp: 126959

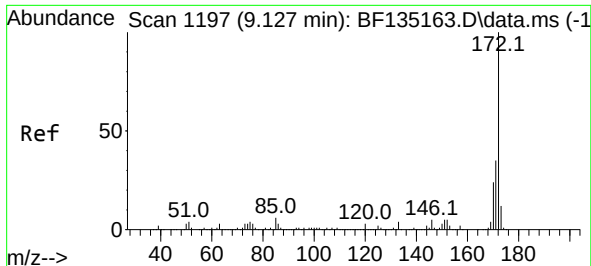
Ion Ratio Lower Upper

330 100

332 96.5 77.3 115.9

141 33.2 25.8 38.8

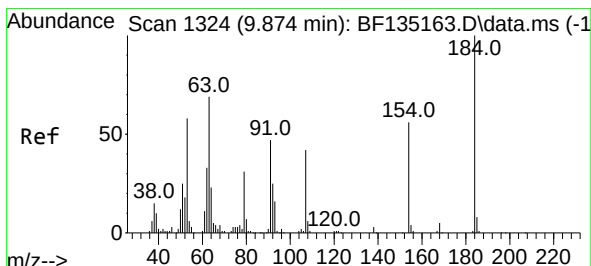
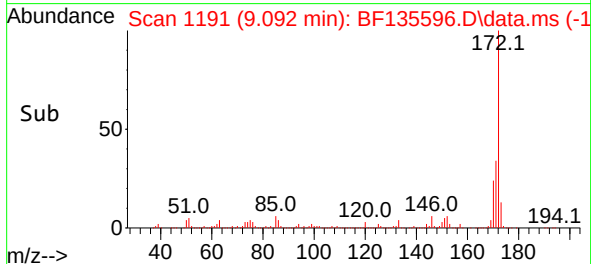
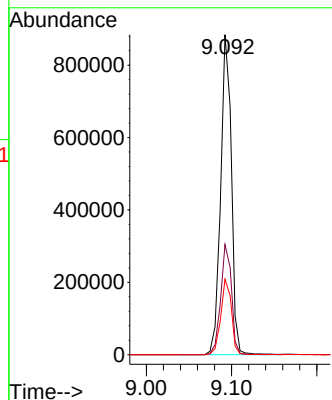
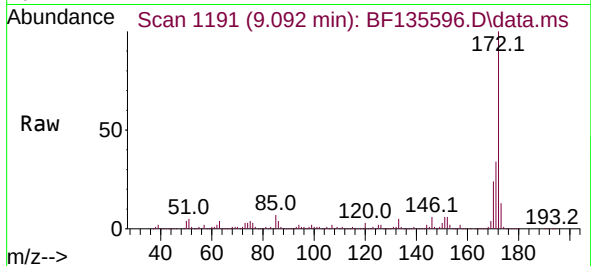




#45
2-Fluorobiphenyl
Concen: 71.321 ng
RT: 9.092 min Scan# 1197
Delta R.T. -0.006 min
Lab File: BF135596.D
Acq: 05 Oct 2023 05:09

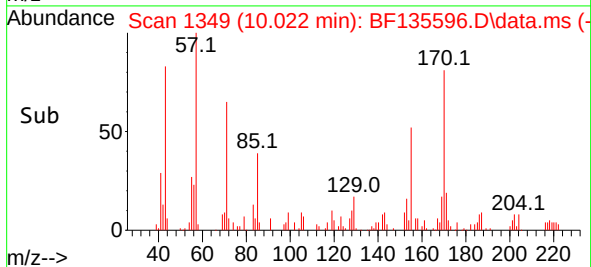
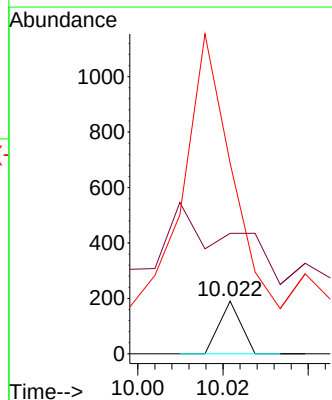
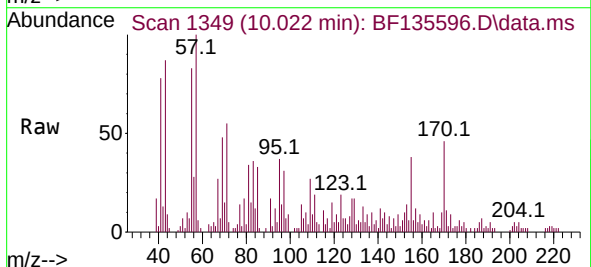
Instrument :
BNA_F
ClientSampleId :
E9066-OB-001

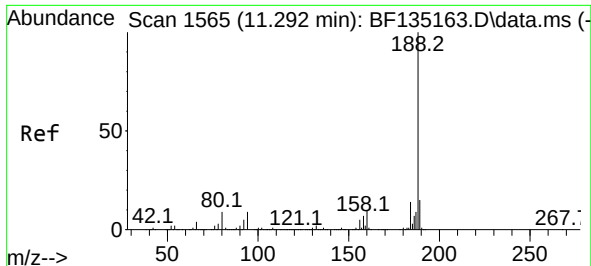
Tgt Ion:172 Resp: 771246
Ion Ratio Lower Upper
172 100
171 34.4 28.4 42.6
170 23.6 19.0 28.4



#54
2,4-Dinitrophenol
Concen: 6.293 ng
RT: 10.022 min Scan# 1349
Delta R.T. 0.159 min
Lab File: BF135596.D
Acq: 05 Oct 2023 05:09

Tgt Ion:184 Resp: 67
Ion Ratio Lower Upper
184 100
63 228.9 55.1 82.7#
154 362.1 48.4 72.6#

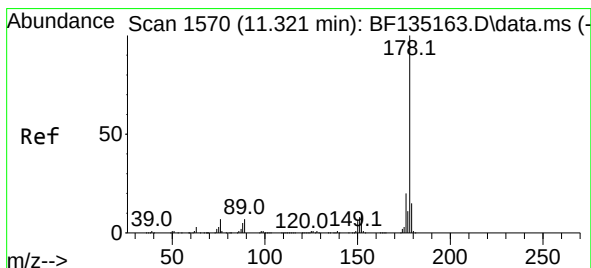
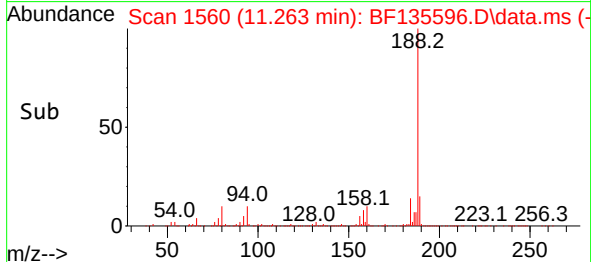
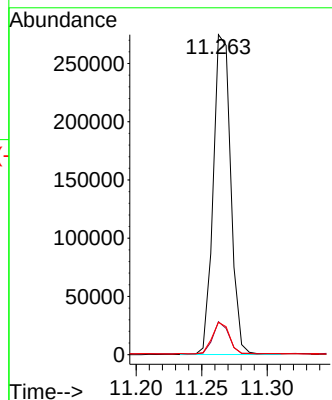
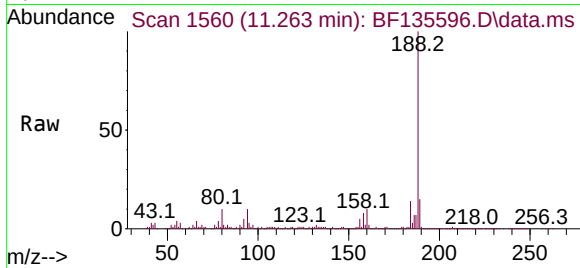




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.263 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF135596.D
Acq: 05 Oct 2023 05:09

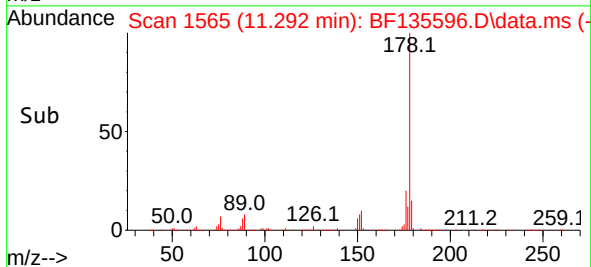
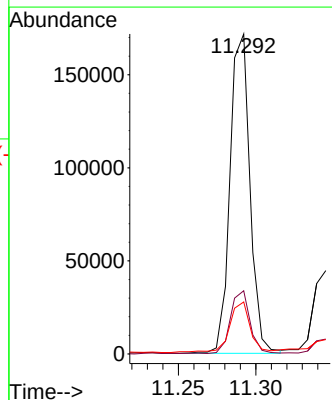
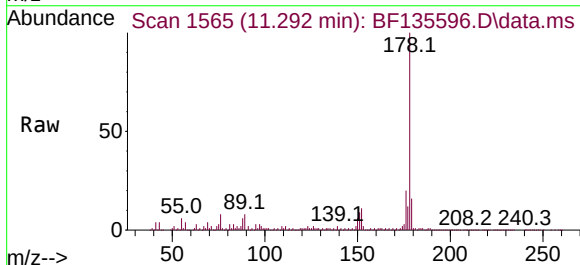
Instrument :
BNA_F
ClientSampleId :
E9066-OB-001

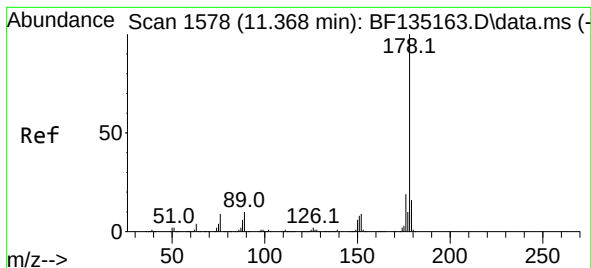
Tgt Ion:188 Resp: 254271
Ion Ratio Lower Upper
188 100
94 10.3 7.0 10.6
80 10.1 7.5 11.3



#71
Phenanthrene
Concen: 12.793 ng
RT: 11.292 min Scan# 1565
Delta R.T. 0.000 min
Lab File: BF135596.D
Acq: 05 Oct 2023 05:09

Tgt Ion:178 Resp: 153846
Ion Ratio Lower Upper
178 100
176 19.7 15.6 23.4
179 16.3 12.0 18.0





#72

Anthracene

Concen: 3.032 ng

RT: 11.345 min Scan# 11

Delta R.T. 0.000 min

Lab File: BF135596.D

Acq: 05 Oct 2023 05:09

Instrument :

BNA_F

ClientSampleId :

E9066-OB-001

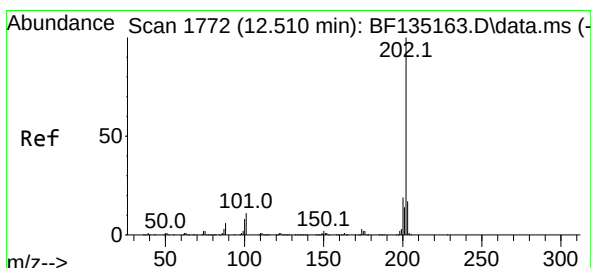
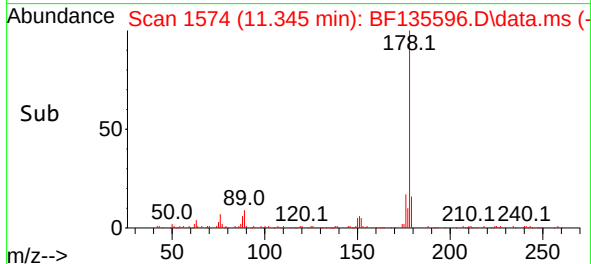
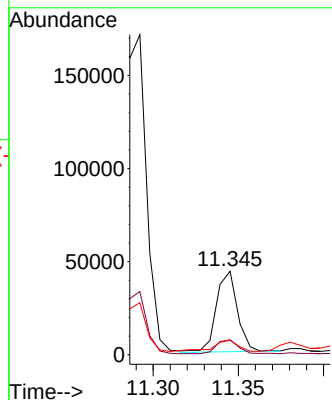
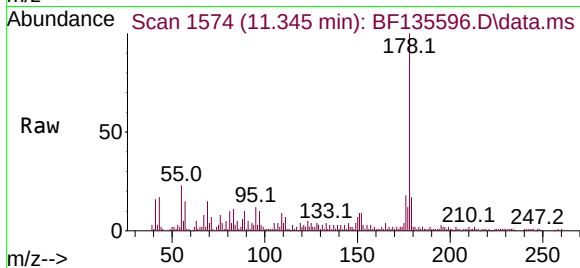
Tgt Ion:178 Resp: 37479

Ion Ratio Lower Upper

178 100

176 17.8 15.4 23.2

179 17.2 12.6 19.0



#75

Fluoranthene

Concen: 19.573 ng

RT: 12.486 min Scan# 1768

Delta R.T. 0.000 min

Lab File: BF135596.D

Acq: 05 Oct 2023 05:09

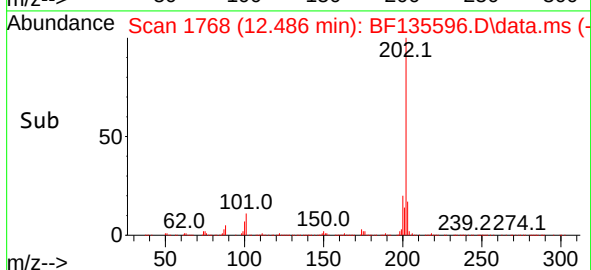
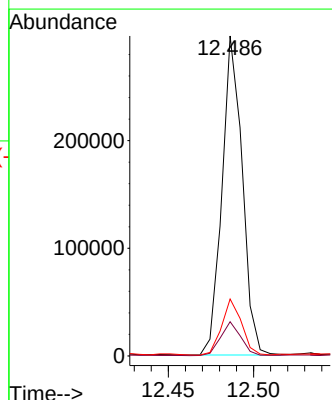
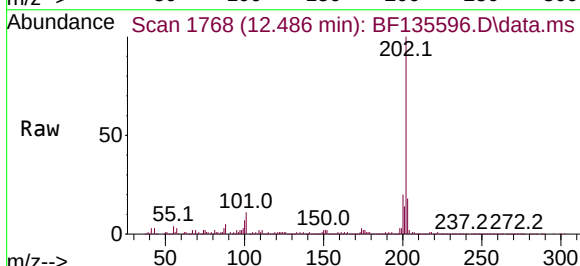
Tgt Ion:202 Resp: 245265

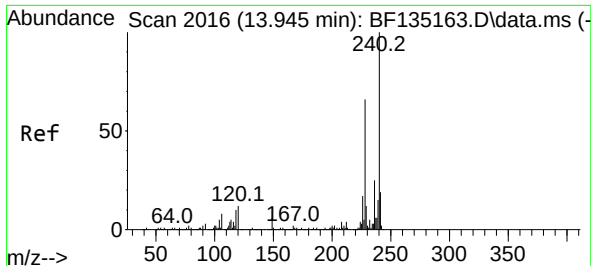
Ion Ratio Lower Upper

202 100

101 10.7 0.0 31.3

203 17.8 0.0 37.4

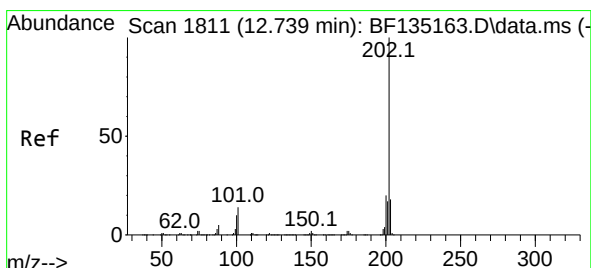
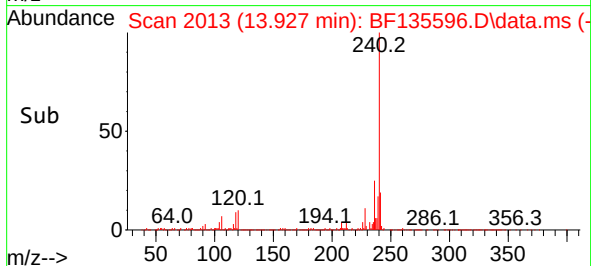
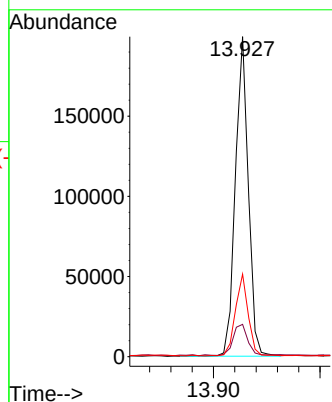
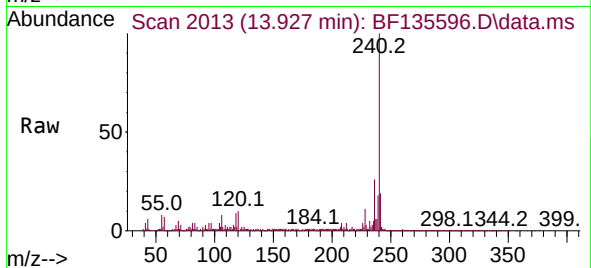




#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.927 min Scan# 20
Delta R.T. 0.000 min
Lab File: BF135596.D
Acq: 05 Oct 2023 05:09

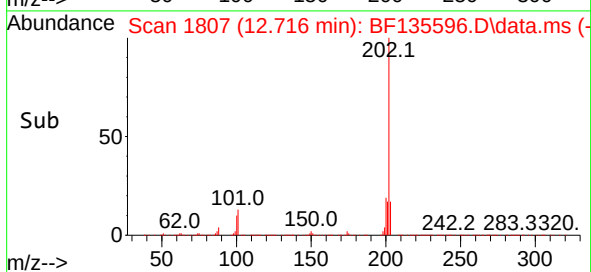
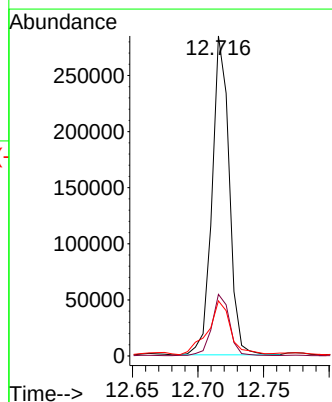
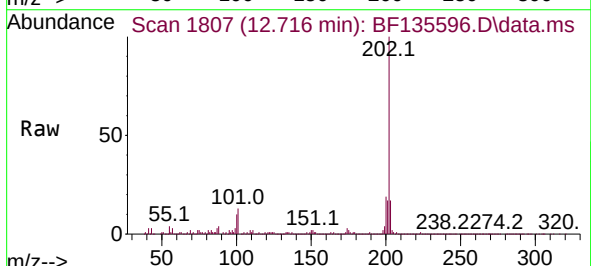
Instrument :
BNA_F
ClientSampleId :
E9066-OB-001

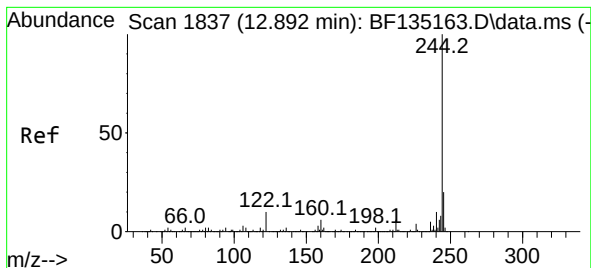
Tgt Ion:240 Resp: 168614
Ion Ratio Lower Upper
240 100
120 10.1 9.4 14.2
236 25.8 19.8 29.8



#78
Pyrene
Concen: 16.077 ng
RT: 12.716 min Scan# 1807
Delta R.T. 0.000 min
Lab File: BF135596.D
Acq: 05 Oct 2023 05:09

Tgt Ion:202 Resp: 258092
Ion Ratio Lower Upper
202 100
200 19.3 16.2 24.2
203 17.2 14.2 21.4





#79

Terphenyl-d14

Concen: 58.550 ng

RT: 12.863 min Scan# 1

Delta R.T. 0.000 min

Lab File: BF135596.D

Acq: 05 Oct 2023 05:09

Instrument :

BNA_F

ClientSampleId :

E9066-OB-001

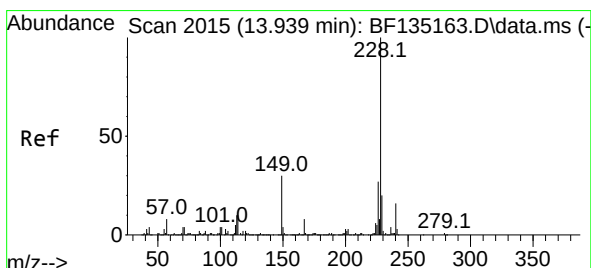
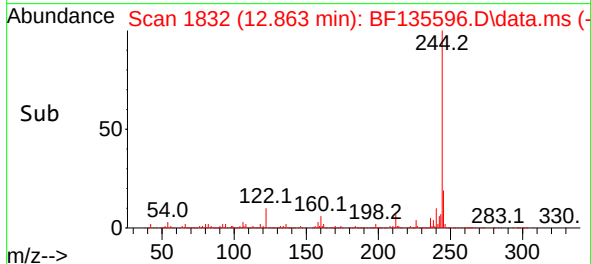
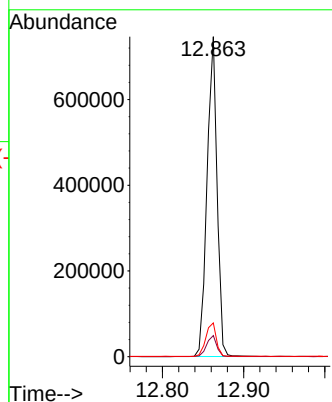
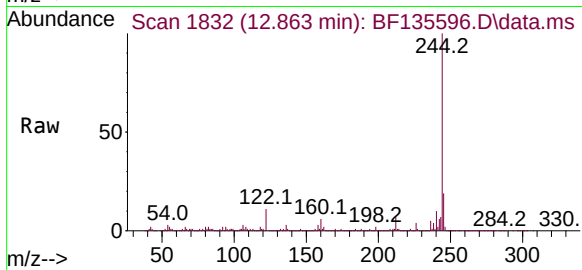
Tgt Ion:244 Resp: 636845

Ion Ratio Lower Upper

244 100

212 6.6 5.1 7.7

122 10.6 7.9 11.9



#81

Benzo(a)anthracene

Concen: 9.119 ng

RT: 13.916 min Scan# 2011

Delta R.T. 0.000 min

Lab File: BF135596.D

Acq: 05 Oct 2023 05:09

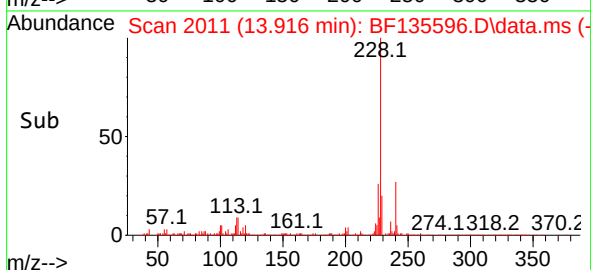
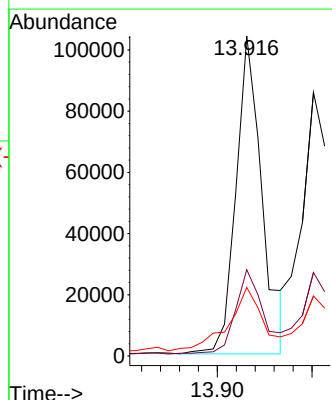
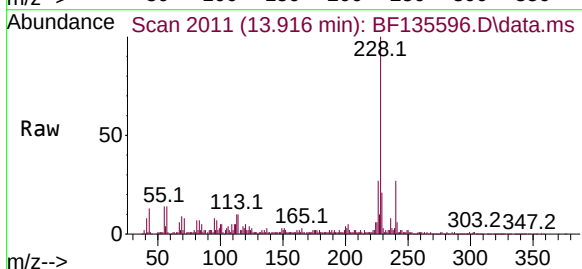
Tgt Ion:228 Resp: 99285

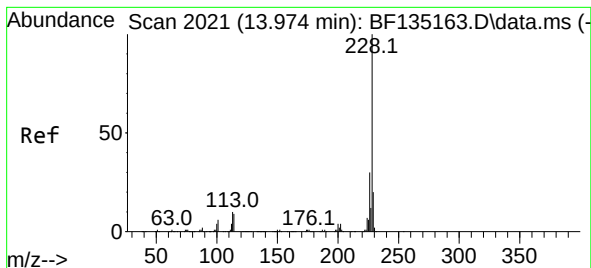
Ion Ratio Lower Upper

228 100

226 27.0 21.7 32.5

229 21.4 15.8 23.8





#83

Chrysene

Concen: 8.178 ng

RT: 13.951 min Scan# 20

Delta R.T. 0.000 min

Lab File: BF135596.D

Acq: 05 Oct 2023 05:09

Instrument :

BNA_F

ClientSampleId :

E9066-OB-001

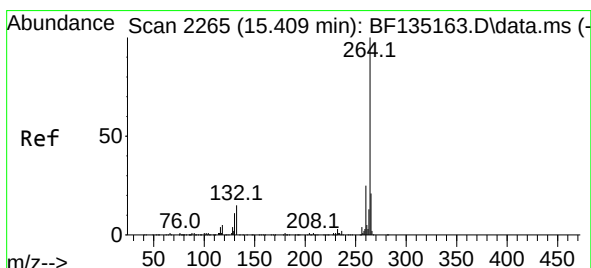
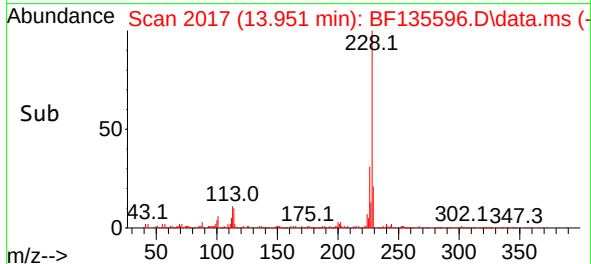
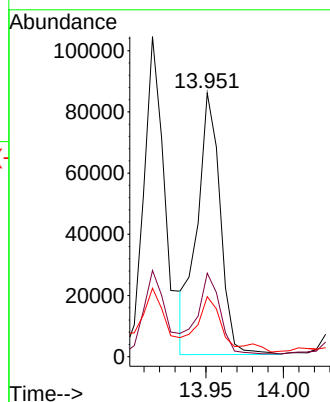
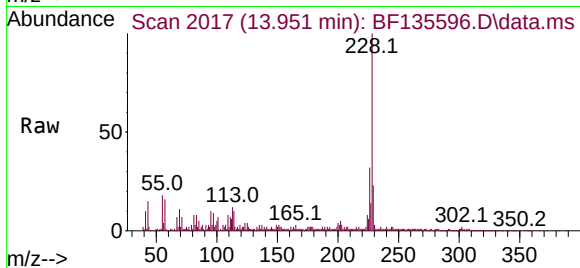
Tgt Ion:228 Resp: 88526

Ion Ratio Lower Upper

228 100

226 31.7 24.3 36.5

229 22.8 16.0 24.0



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.392 min Scan# 2262

Delta R.T. 0.006 min

Lab File: BF135596.D

Acq: 05 Oct 2023 05:09

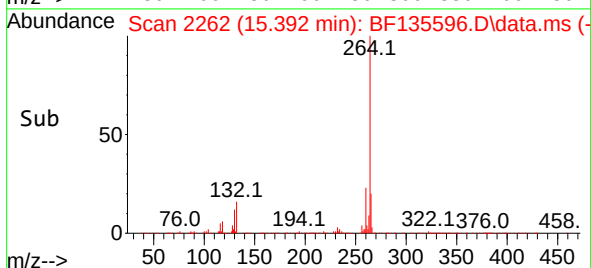
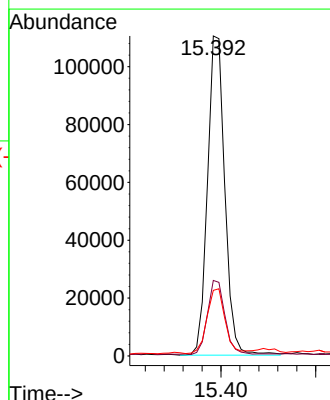
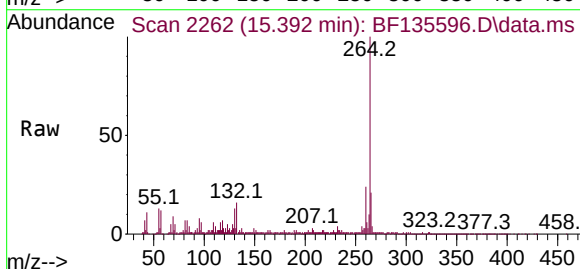
Tgt Ion:264 Resp: 139964

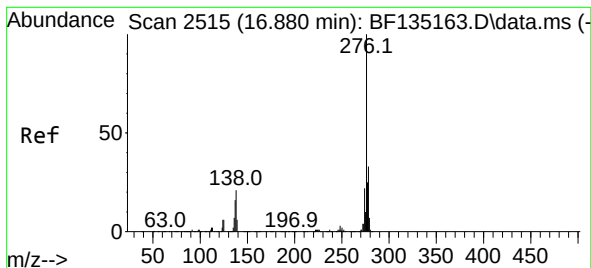
Ion Ratio Lower Upper

264 100

260 23.6 19.8 29.6

265 20.5 17.0 25.4





#87

Indeno(1,2,3-cd)pyrene

Concen: 3.433 ng

RT: 16.886 min Scan# 2190

Delta R.T. 0.018 min

Lab File: BF135596.D

Acq: 05 Oct 2023 05:09

Instrument :

BNA_F

ClientSampleId :

E9066-OB-001

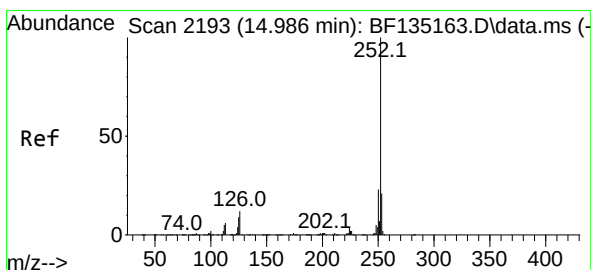
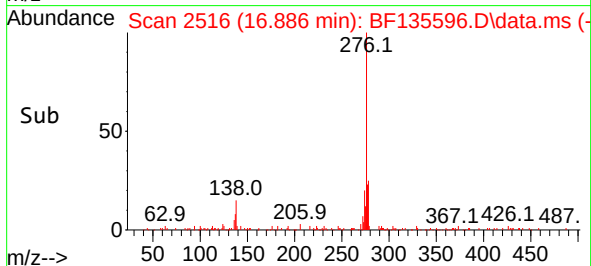
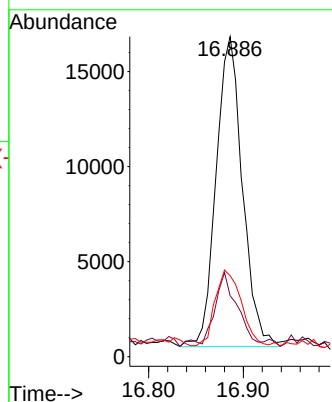
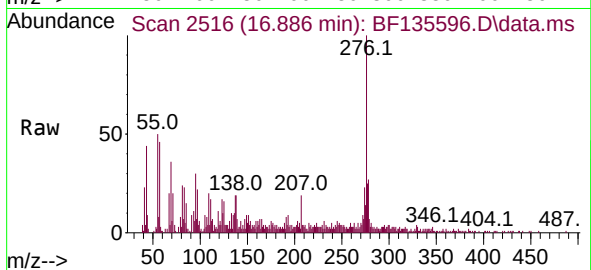
Tgt Ion:276 Resp: 31500

Ion Ratio Lower Upper

276 100

138 20.9 19.2 28.8

277 24.4 19.7 29.5



#88

Benzo(b)fluoranthene

Concen: 14.379 ng

RT: 14.968 min Scan# 2190

Delta R.T. 0.006 min

Lab File: BF135596.D

Acq: 05 Oct 2023 05:09

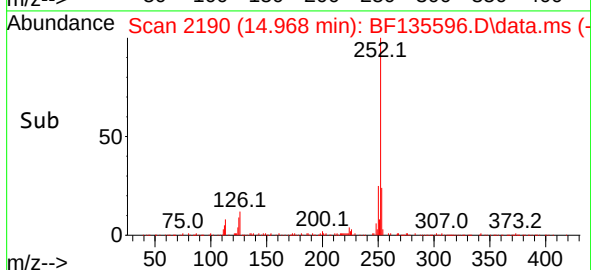
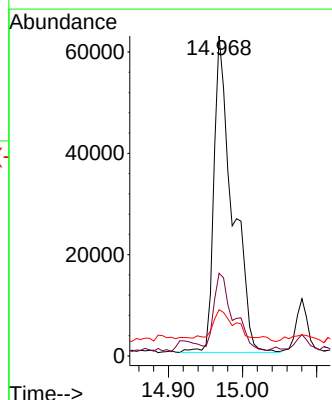
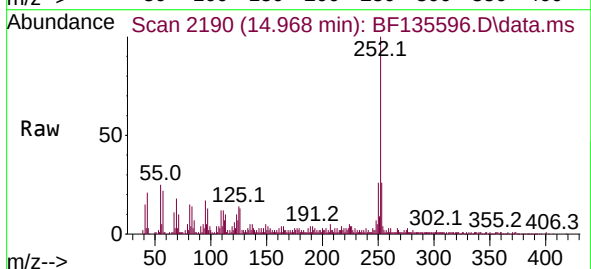
Tgt Ion:252 Resp: 108944

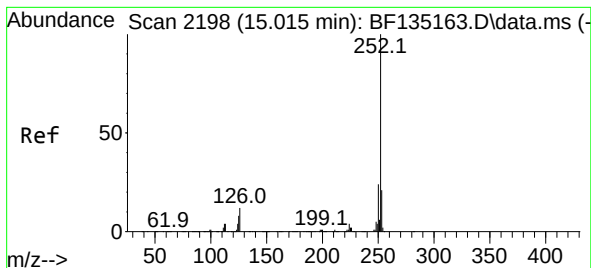
Ion Ratio Lower Upper

252 100

253 25.9 17.2 25.8#

125 14.5 7.1 10.7#





#89

Benzo(k)fluoranthene

Concen: 14.556 ng

RT: 14.968 min Scan# 2198

Delta R.T. -0.023 min

Lab File: BF135596.D

Acq: 05 Oct 2023 05:09

Instrument :

BNA_F

ClientSampleId :

E9066-OB-001

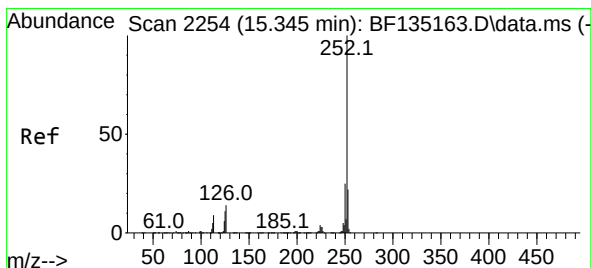
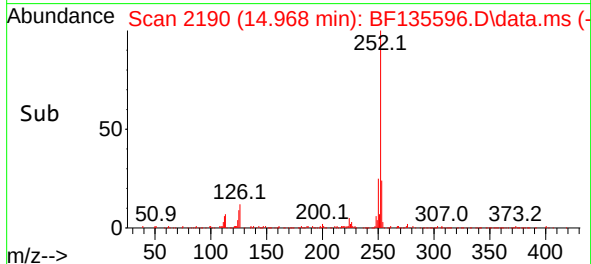
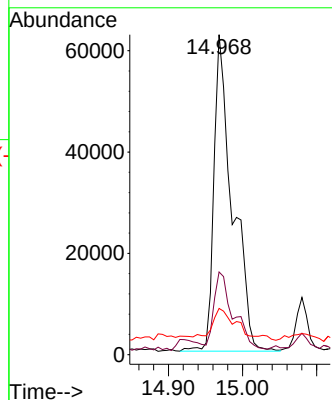
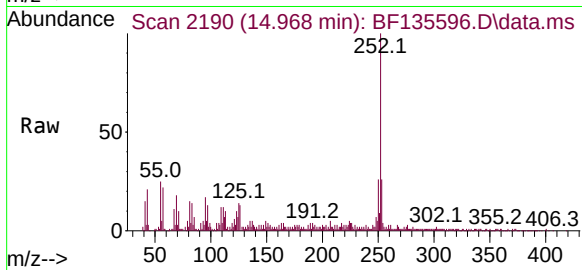
Tgt Ion:252 Resp: 108944

Ion Ratio Lower Upper

252 100

253 25.9 17.4 26.0

125 14.5 7.2 10.8#



#90

Benzo(a)pyrene

Concen: 8.017 ng

RT: 15.333 min Scan# 2252

Delta R.T. 0.006 min

Lab File: BF135596.D

Acq: 05 Oct 2023 05:09

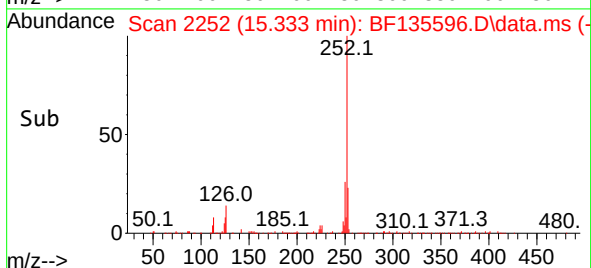
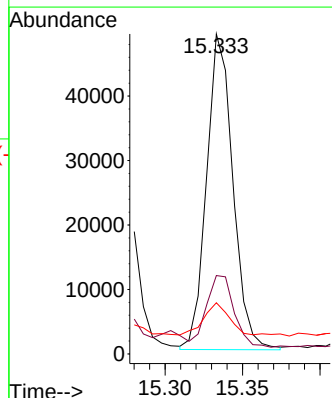
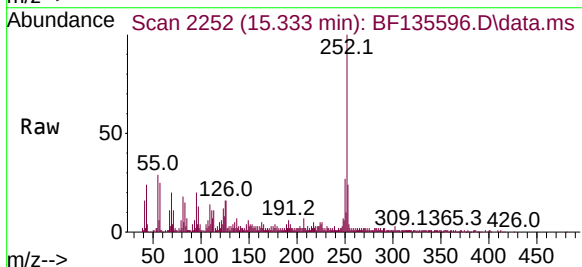
Tgt Ion:252 Resp: 57925

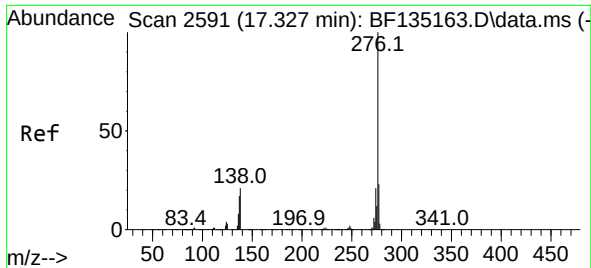
Ion Ratio Lower Upper

252 100

253 24.5 17.5 26.3

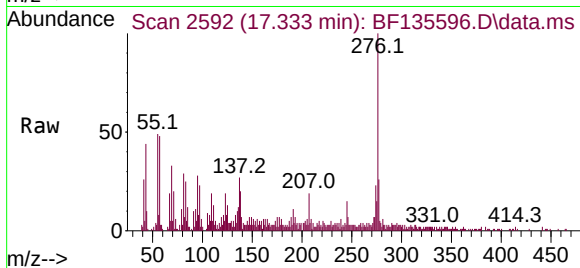
125 16.0 9.2 13.8#





#92
 Benzo(g,h,i)perylene
 Concen: 4.174 ng
 RT: 17.333 min Scan# 21
 Delta R.T. 0.018 min
 Lab File: BF135596.D
 Acq: 05 Oct 2023 05:09

Instrument :
 BNA_F
 ClientSampleId :
 E9066-OB-001



Tgt Ion:	276	Resp:	32729
Ion	Ratio	Lower	Upper
276	100		
277	26.0	18.8	28.2
138	20.3	16.9	25.3

