

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF100423\
 Data File : BF135594.D
 Acq On : 05 Oct 2023 04:07
 Operator : CG\JU
 Sample : 04622-01DL 10X
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 E9066-OB-002

Quant Time: Oct 05 06:52:23 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)

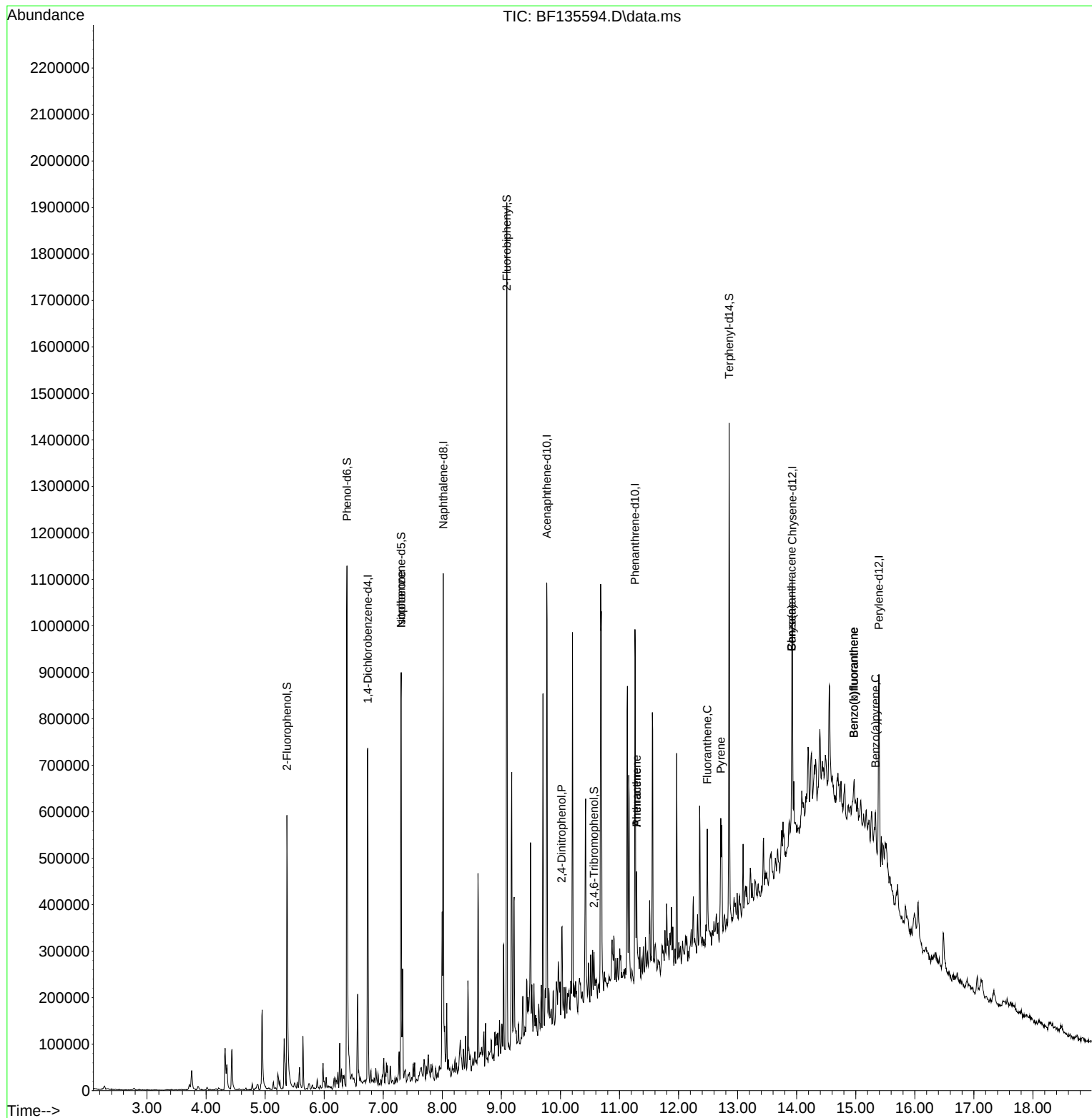
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.739	152	111577	20.000	ng	0.00
21) Naphthalene-d8	8.016	136	408892	20.000	ng	0.00
39) Acenaphthene-d10	9.769	164	189743	20.000	ng	0.00
64) Phenanthrene-d10	11.263	188	280326	20.000	ng	0.00
76) Chrysene-d12	13.927	240	194017	20.000	ng	0.00
86) Perylene-d12	15.392	264	193483	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.369	112	189956	27.690	ng	0.00
7) Phenol-d6	6.387	99	419260	48.063	ng	0.00
23) Nitrobenzene-d5	7.304	82	271399	36.061	ng	0.00
42) 2,4,6-Tribromophenol	10.569	330	10167	5.392	ng	0.00
45) 2-Fluorobiphenyl	9.092	172	503075	40.001	ng	0.00
79) Terphenyl-d14	12.857	244	357117	28.534	ng	0.00
Target Compounds						
						Qvalue
25) Isophorone	7.304	82	271399	19.638	ng	# 65
54) 2,4-Dinitrophenol	10.022	184	215	6.372	ng	# 1
71) Phenanthrene	11.292	178	88509	6.676	ng	98
72) Anthracene	11.292	178	88509	6.495	ng	99
75) Fluoranthene	12.486	202	93795	6.789	ng	99
78) Pyrene	12.716	202	105967	5.737	ng	100
81) Benzo(a)anthracene	13.915	228	43279	3.455	ng	96
83) Chrysene	13.915	228	43279	3.475	ng	95
88) Benzo(b)fluoranthene	14.968	252	63959	6.106	ng	# 77
89) Benzo(k)fluoranthene	14.968	252	63959	6.182	ng	# 77
90) Benzo(a)pyrene	15.333	252	35355	3.540	ng	# 80

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

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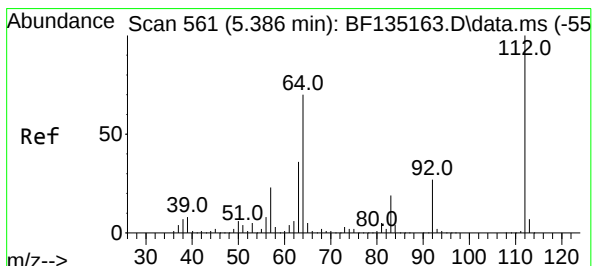
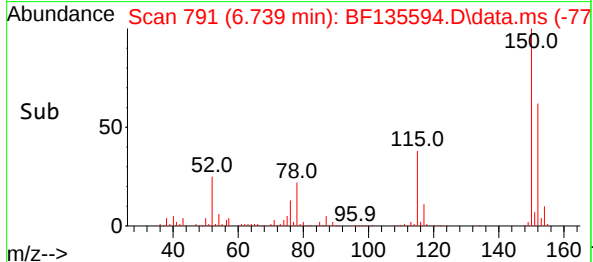
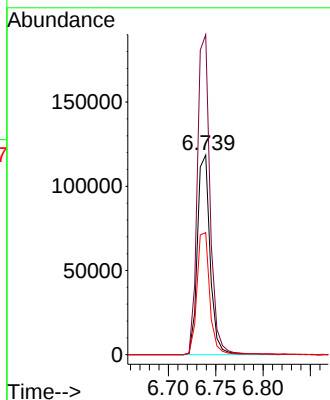
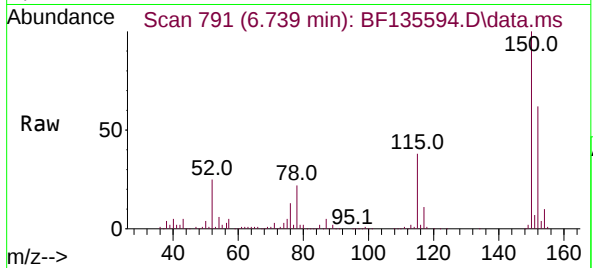




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.739 min Scan# 795
Delta R.T. 0.000 min
Lab File: BF135594.D
Acq: 05 Oct 2023 04:07

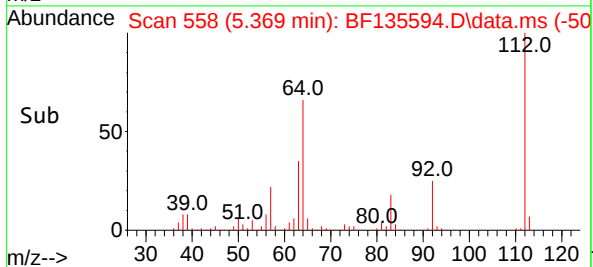
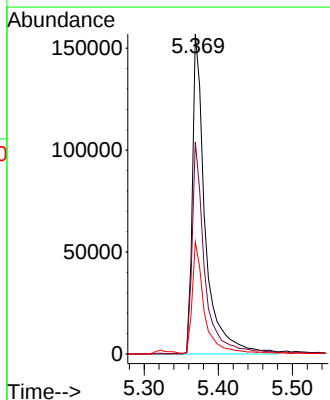
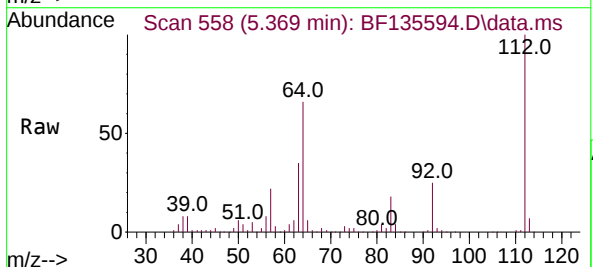
Instrument :
BNA_F
ClientSampleId :
E9066-OB-002

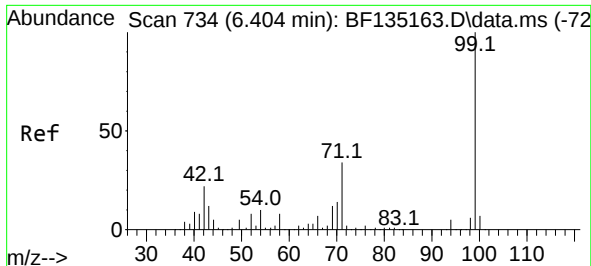
Tgt Ion:152 Resp: 111577
Ion Ratio Lower Upper
152 100
150 160.2 127.8 191.6
115 61.1 49.8 74.8



#5
2-Fluorophenol
Concen: 27.690 ng
RT: 5.369 min Scan# 558
Delta R.T. 0.000 min
Lab File: BF135594.D
Acq: 05 Oct 2023 04:07

Tgt Ion:112 Resp: 189956
Ion Ratio Lower Upper
112 100
64 66.3 55.9 83.9
63 35.0 29.0 43.6

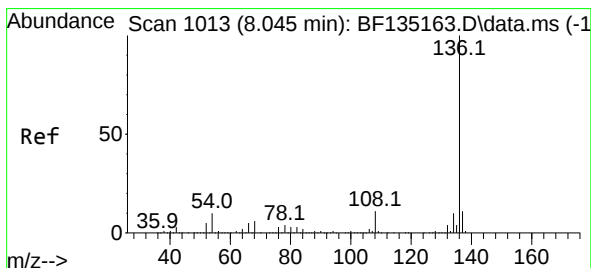
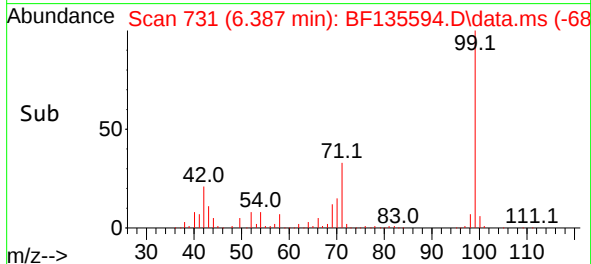
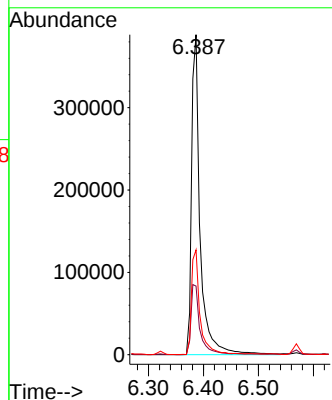
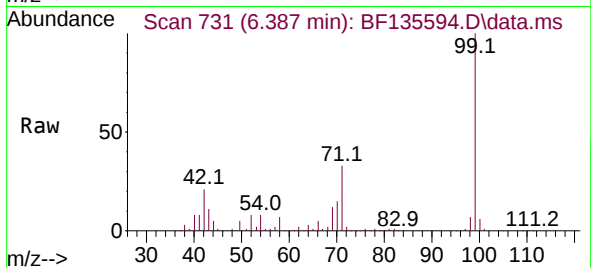




#7
Phenol-d6
Concen: 48.063 ng
RT: 6.387 min Scan# 71
Delta R.T. 0.000 min
Lab File: BF135594.D
Acq: 05 Oct 2023 04:07

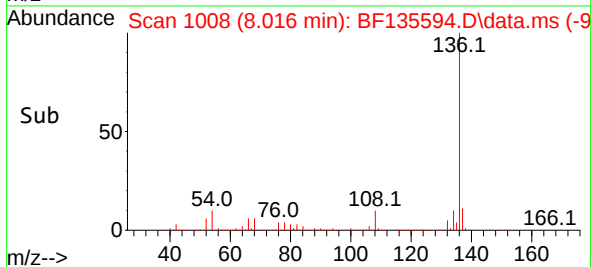
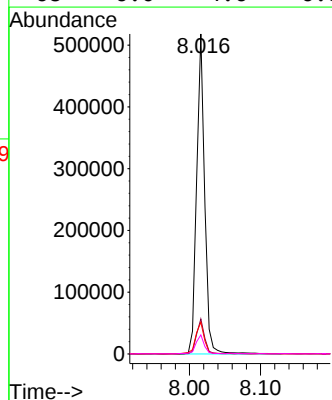
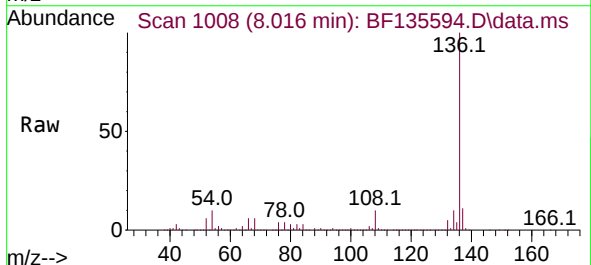
Instrument :
BNA_F
ClientSampleId :
E9066-OB-002

Tgt Ion: 99 Resp: 419260
Ion Ratio Lower Upper
99 100
42 21.4 17.9 26.9
71 32.8 27.0 40.6



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.016 min Scan# 1008
Delta R.T. 0.000 min
Lab File: BF135594.D
Acq: 05 Oct 2023 04:07

Tgt Ion: 136 Resp: 408892
Ion Ratio Lower Upper
136 100
137 11.0 8.8 13.2
54 9.9 7.7 11.5
68 6.0 4.6 6.8

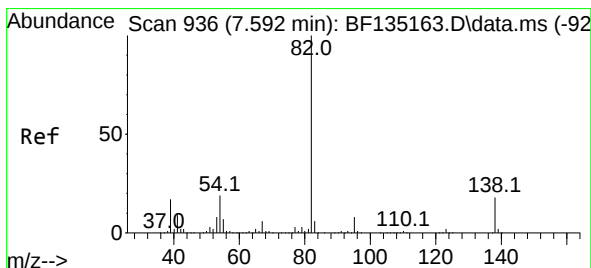
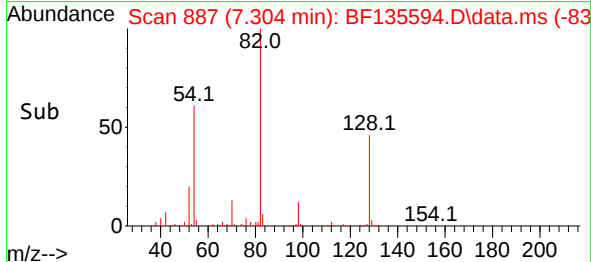
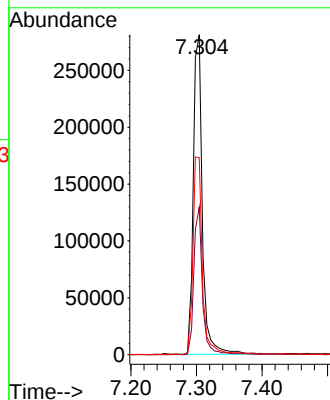
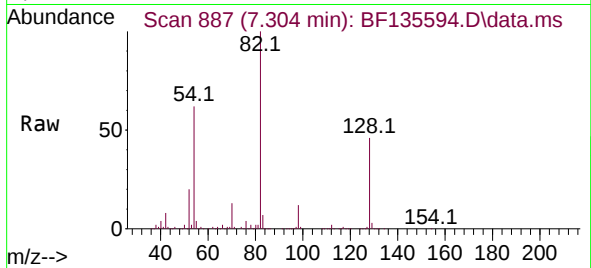




#23
Nitrobenzene-d5
Concen: 36.061 ng
RT: 7.304 min Scan# 887
Delta R.T. -0.006 min
Lab File: BF135594.D
Acq: 05 Oct 2023 04:07

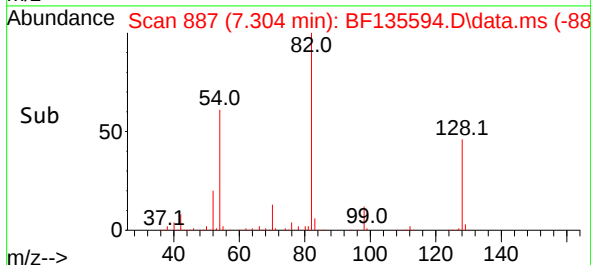
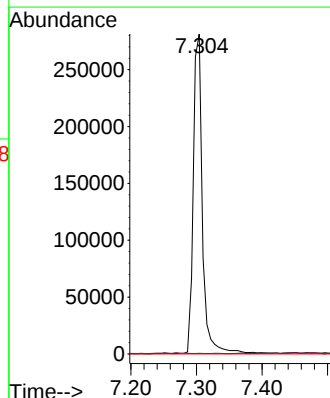
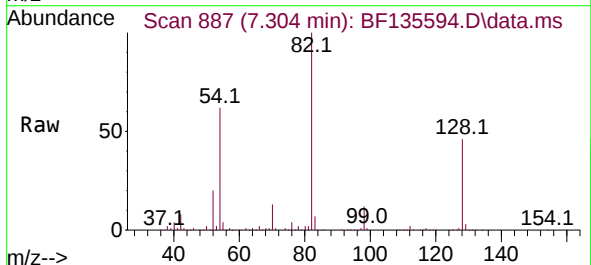
Instrument :
BNA_F
ClientSampleId :
E9066-OB-002

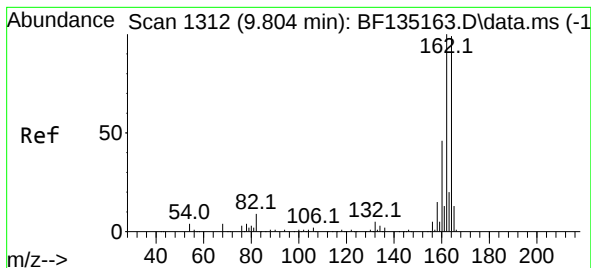
Tgt Ion: 82 Resp: 271399
Ion Ratio Lower Upper
82 100
128 46.1 35.8 53.6
54 61.5 50.6 76.0



#25
Isophorone
Concen: 19.638 ng
RT: 7.304 min Scan# 887
Delta R.T. -0.259 min
Lab File: BF135594.D
Acq: 05 Oct 2023 04:07

Tgt Ion: 82 Resp: 271399
Ion Ratio Lower Upper
82 100
95 0.2 6.0 9.0#
138 0.0 14.5 21.7#





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.769 min Scan# 1

Delta R.T. -0.006 min

Lab File: BF135594.D

Acq: 05 Oct 2023 04:07

Instrument :

BNA_F

ClientSampleId :

E9066-OB-002

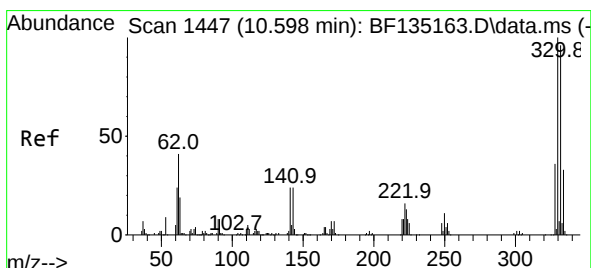
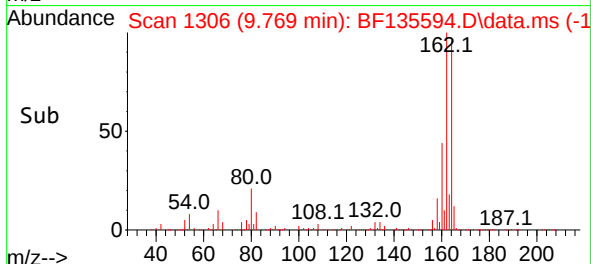
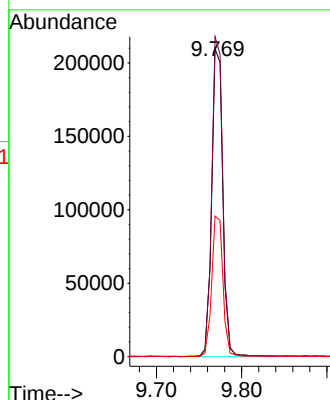
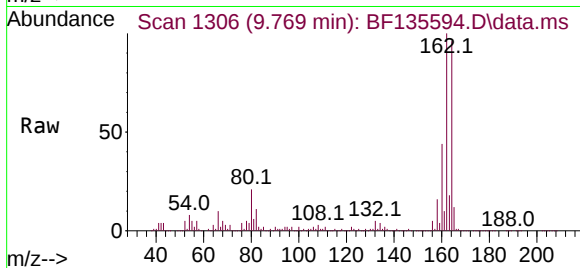
Tgt Ion:164 Resp: 189743

Ion Ratio Lower Upper

164 100

162 103.9 81.0 121.4

160 45.7 37.0 55.4



#42

2,4,6-Tribromophenol

Concen: 5.392 ng

RT: 10.569 min Scan# 1442

Delta R.T. 0.000 min

Lab File: BF135594.D

Acq: 05 Oct 2023 04:07

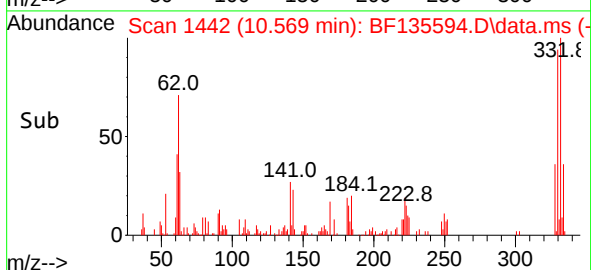
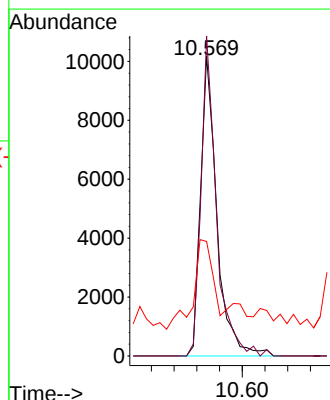
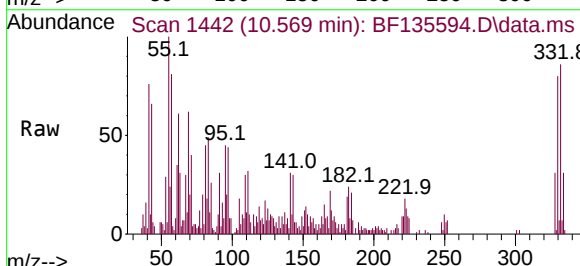
Tgt Ion:330 Resp: 10167

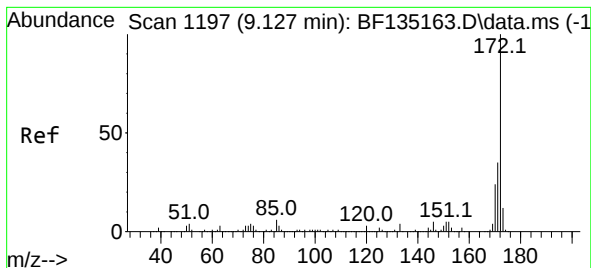
Ion Ratio Lower Upper

330 100

332 100.5 77.3 115.9

141 38.6 25.8 38.8





#45

2-Fluorobiphenyl

Concen: 40.001 ng

RT: 9.092 min Scan# 1197

Delta R.T. -0.006 min

Lab File: BF135594.D

Acq: 05 Oct 2023 04:07

Instrument :

BNA_F

ClientSampleId :

E9066-OB-002

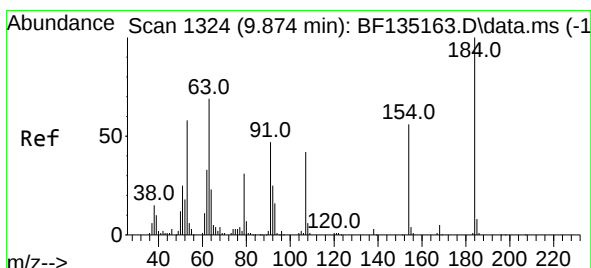
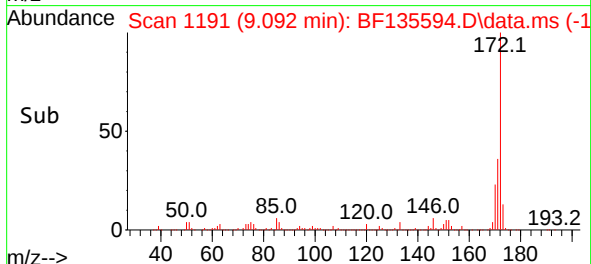
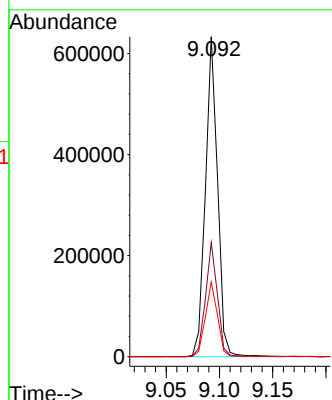
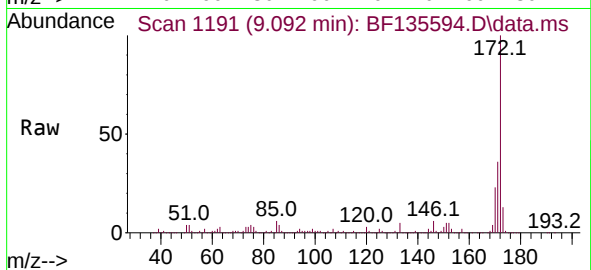
Tgt Ion:172 Resp: 503075

Ion Ratio Lower Upper

172 100

171 35.6 28.4 42.6

170 23.4 19.0 28.4



#54

2,4-Dinitrophenol

Concen: 6.372 ng

RT: 10.022 min Scan# 1349

Delta R.T. 0.159 min

Lab File: BF135594.D

Acq: 05 Oct 2023 04:07

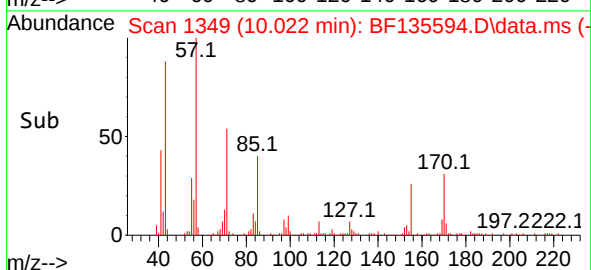
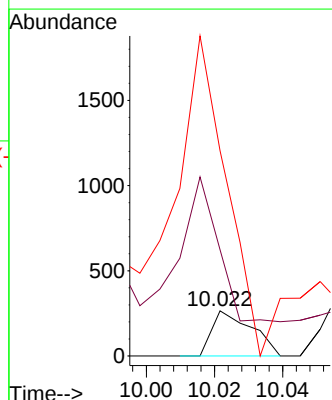
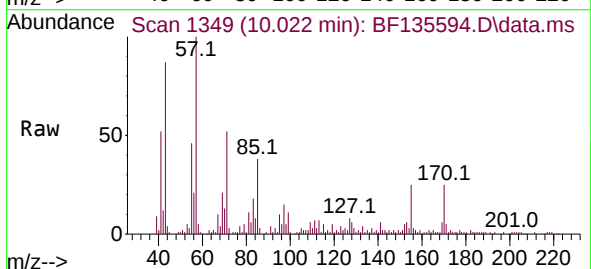
Tgt Ion:184 Resp: 215

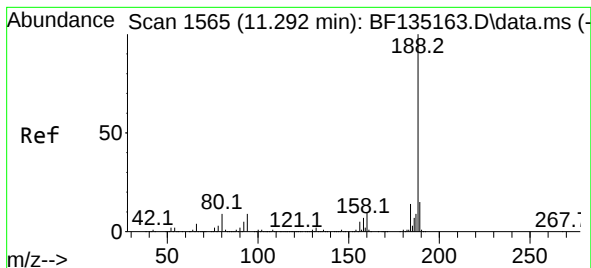
Ion Ratio Lower Upper

184 100

63 235.5 55.1 82.7#

154 454.7 48.4 72.6#





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.263 min Scan# 1

Delta R.T. -0.006 min

Lab File: BF135594.D

Acq: 05 Oct 2023 04:07

Instrument :

BNA_F

ClientSampleId :

E9066-OB-002

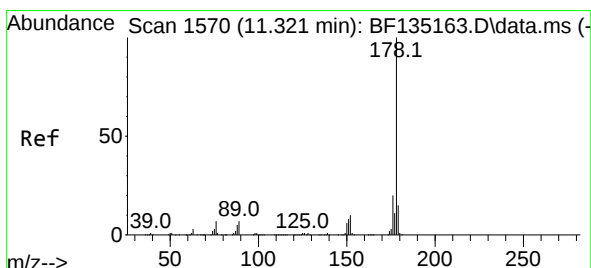
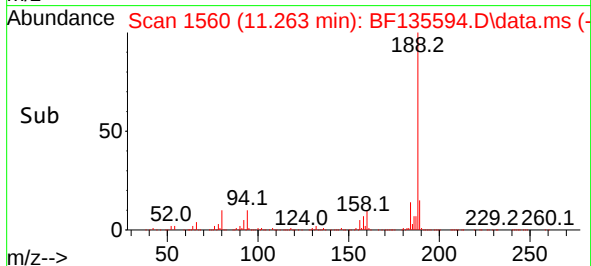
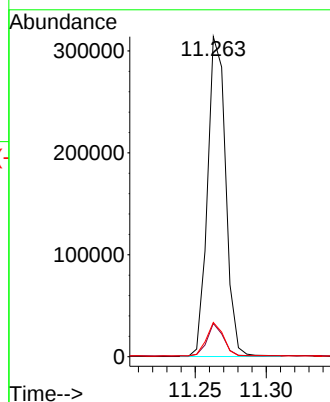
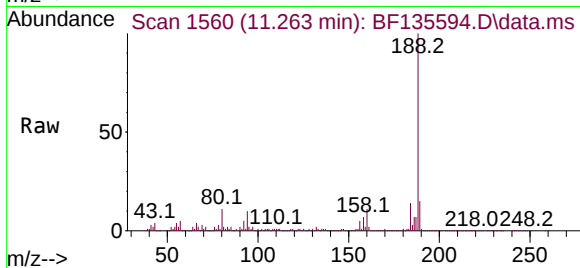
Tgt Ion:188 Resp: 280326

Ion Ratio Lower Upper

188 100

94 10.4 7.0 10.6

80 10.7 7.5 11.3



#71

Phenanthrene

Concen: 6.676 ng

RT: 11.292 min Scan# 1565

Delta R.T. 0.000 min

Lab File: BF135594.D

Acq: 05 Oct 2023 04:07

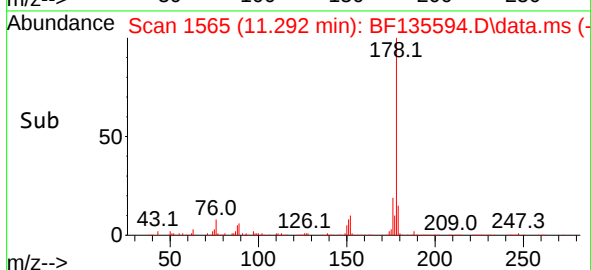
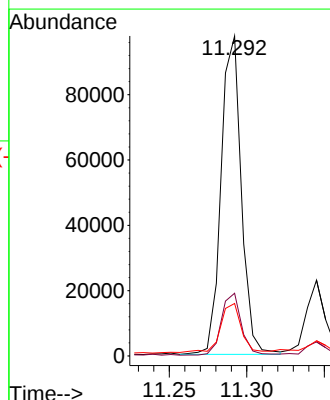
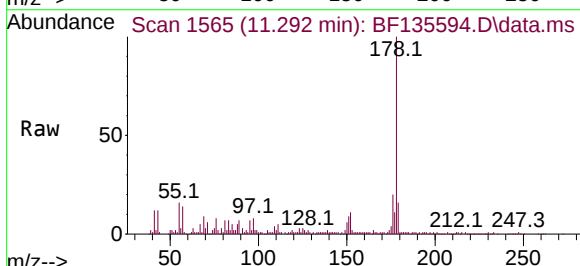
Tgt Ion:178 Resp: 88509

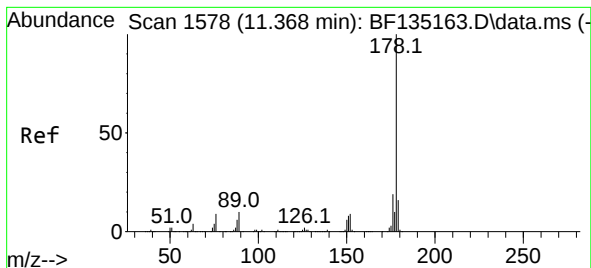
Ion Ratio Lower Upper

178 100

176 19.6 15.6 23.4

179 16.4 12.0 18.0





#72

Anthracene

Concen: 6.495 ng

RT: 11.292 min Scan# 1

Delta R.T. -0.053 min

Lab File: BF135594.D

Acq: 05 Oct 2023 04:07

Instrument :

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ClientSampleId :

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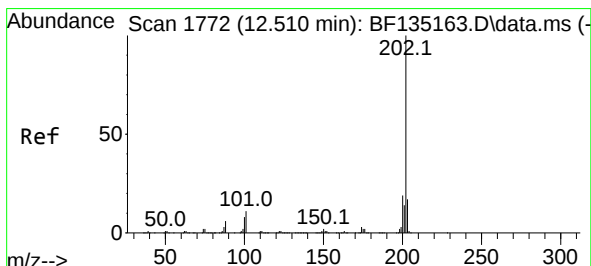
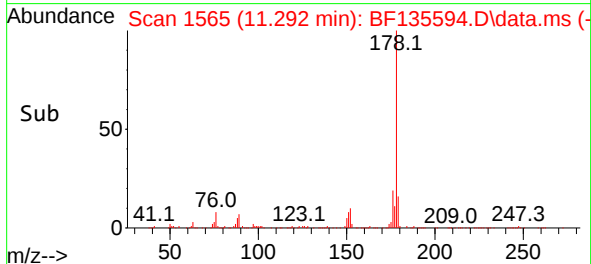
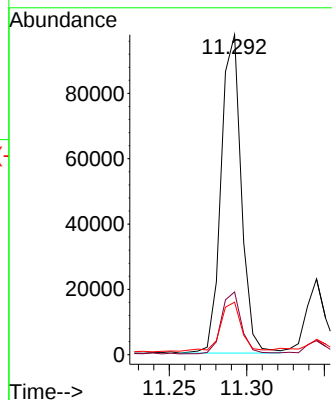
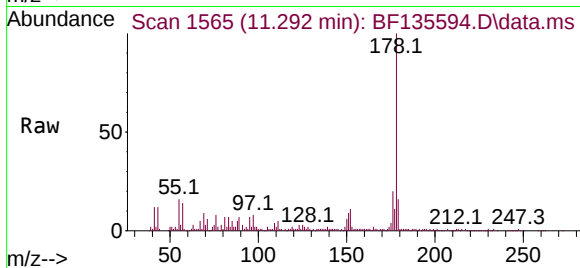
Tgt Ion:178 Resp: 88509

Ion Ratio Lower Upper

178 100

176 19.6 15.4 23.2

179 16.4 12.6 19.0



#75

Fluoranthene

Concen: 6.789 ng

RT: 12.486 min Scan# 1768

Delta R.T. 0.000 min

Lab File: BF135594.D

Acq: 05 Oct 2023 04:07

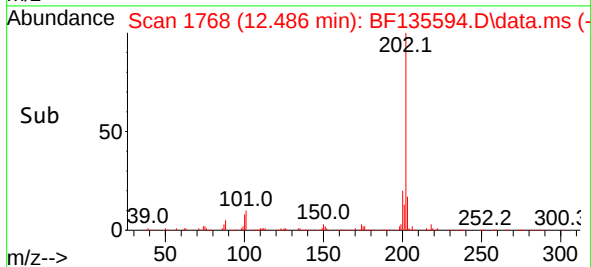
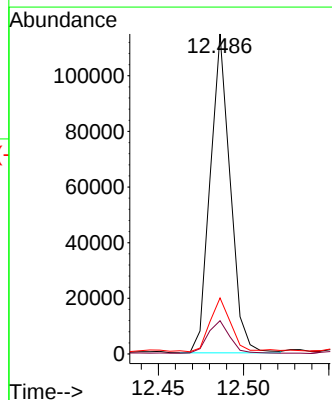
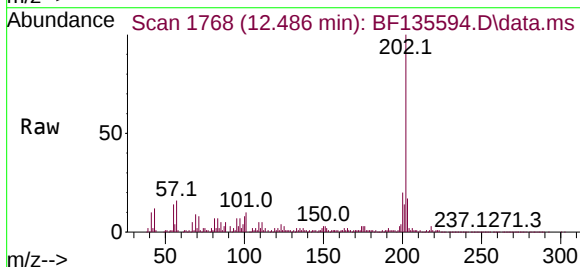
Tgt Ion:202 Resp: 93795

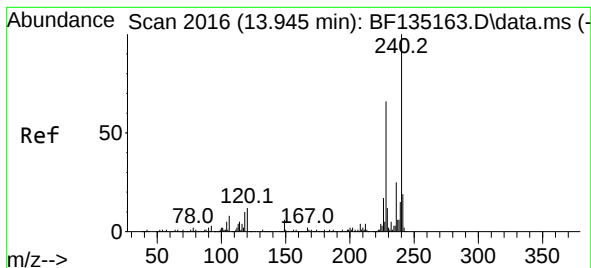
Ion Ratio Lower Upper

202 100

101 10.4 0.0 31.3

203 17.5 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: BF135594.D

Acq: 05 Oct 2023 04:07

Instrument :

BNA_F

ClientSampleId :

E9066-OB-002

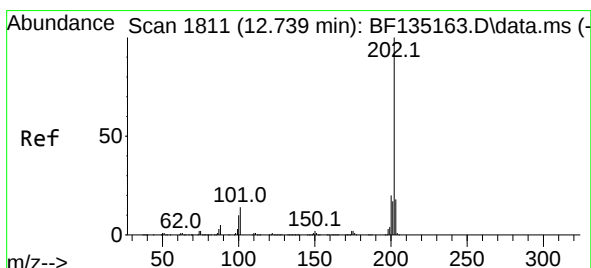
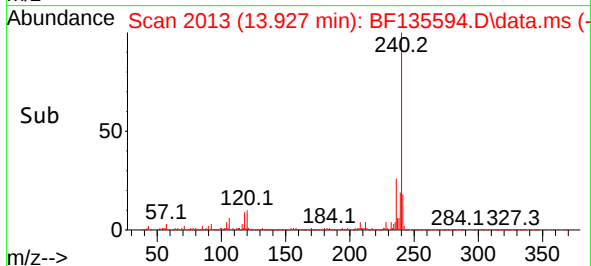
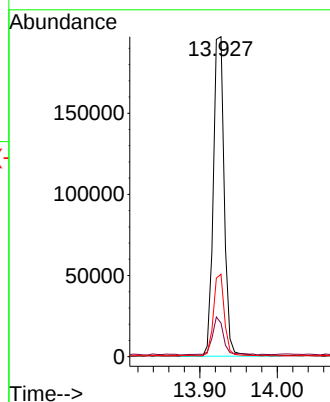
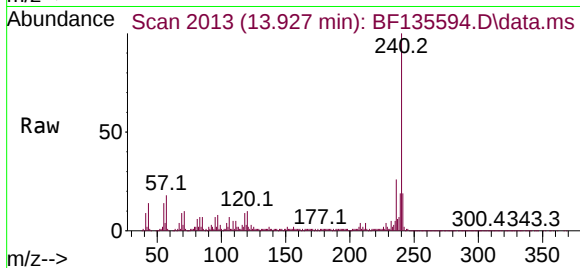
Tgt Ion:240 Resp: 194017

Ion Ratio Lower Upper

240 100

120 10.5 9.4 14.2

236 25.8 19.8 29.8



#78

Pyrene

Concen: 5.737 ng

RT: 12.716 min Scan# 1807

Delta R.T. 0.000 min

Lab File: BF135594.D

Acq: 05 Oct 2023 04:07

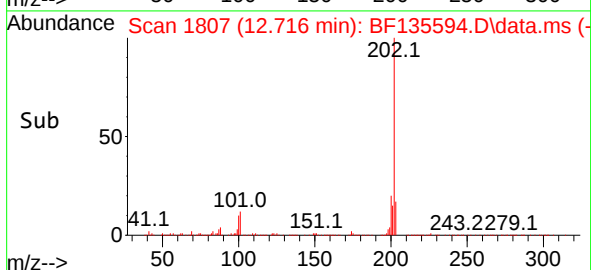
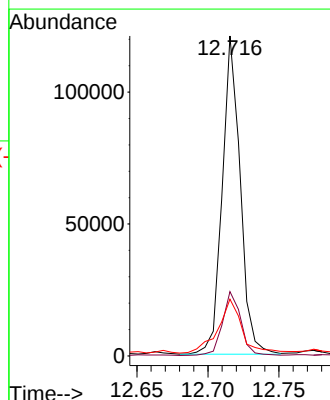
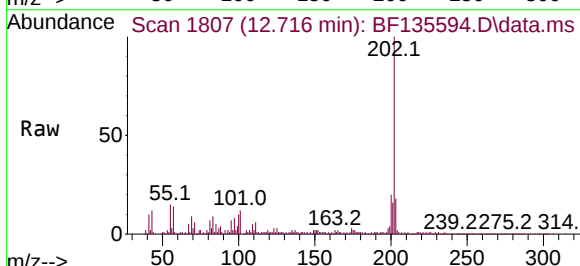
Tgt Ion:202 Resp: 105967

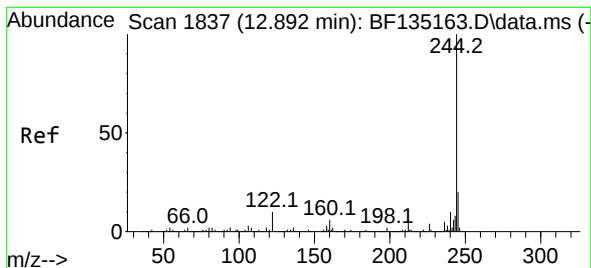
Ion Ratio Lower Upper

202 100

200 20.1 16.2 24.2

203 17.8 14.2 21.4





#79

Terphenyl-d14

Concen: 28.534 ng

RT: 12.857 min Scan# 1

Delta R.T. -0.006 min

Lab File: BF135594.D

Acq: 05 Oct 2023 04:07

Instrument :

BNA_F

ClientSampleId :

E9066-OB-002

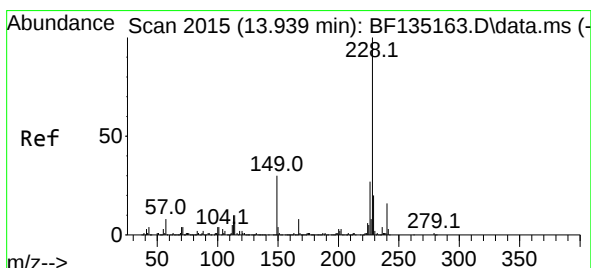
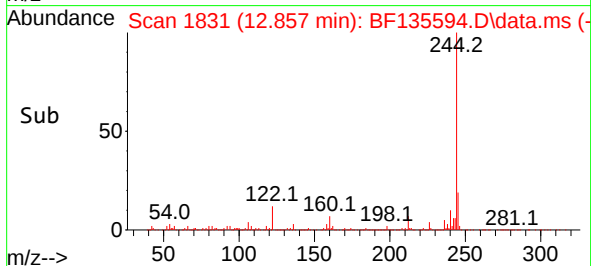
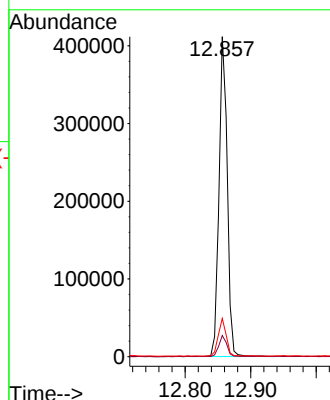
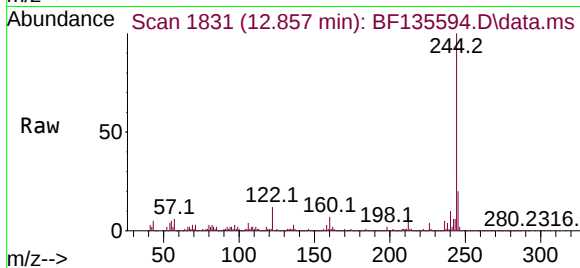
Tgt Ion:244 Resp: 357117

Ion Ratio Lower Upper

244 100

212 6.6 5.1 7.7

122 11.9 7.9 11.9#



#81

Benzo(a)anthracene

Concen: 3.455 ng

RT: 13.915 min Scan# 2011

Delta R.T. 0.000 min

Lab File: BF135594.D

Acq: 05 Oct 2023 04:07

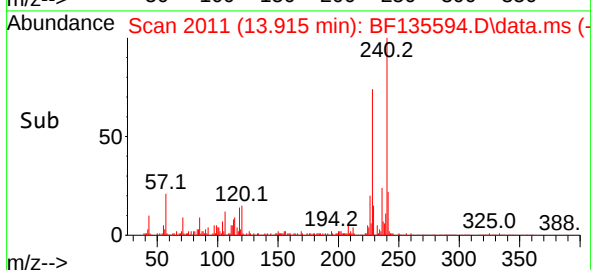
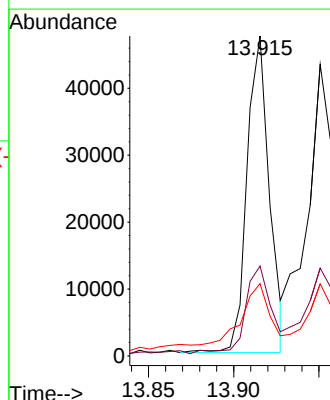
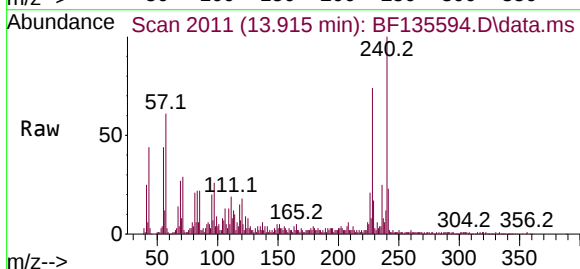
Tgt Ion:228 Resp: 43279

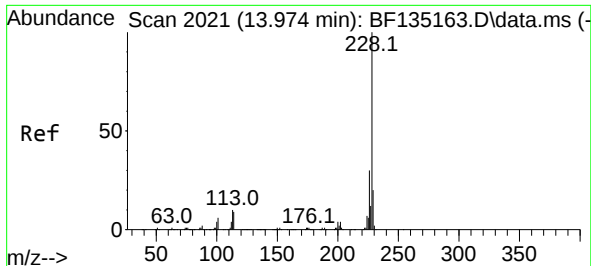
Ion Ratio Lower Upper

228 100

226 28.1 21.7 32.5

229 22.6 15.8 23.8

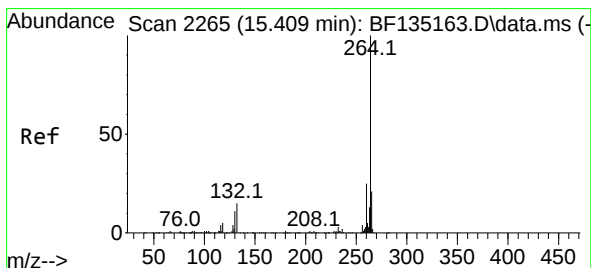
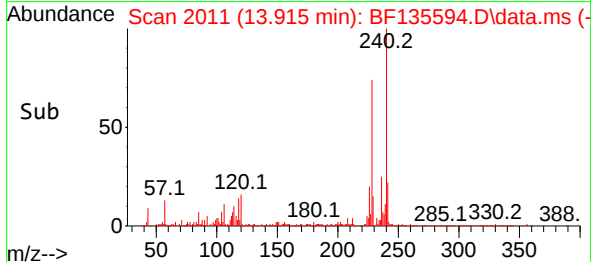
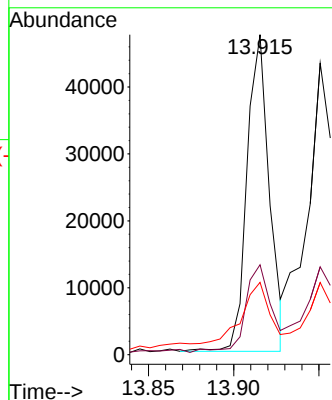
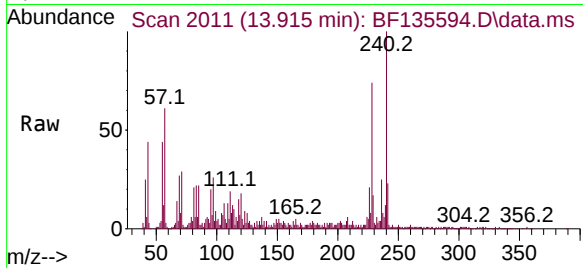




#83
Chrysene
Concen: 3.475 ng
RT: 13.915 min Scan# 20
Delta R.T. -0.035 min
Lab File: BF135594.D
Acq: 05 Oct 2023 04:07

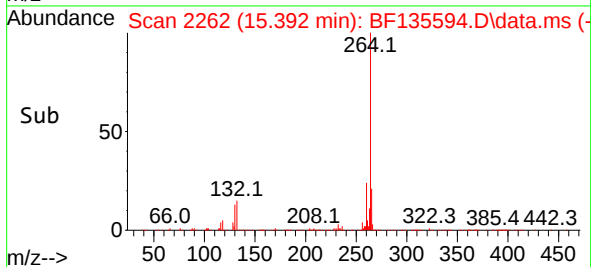
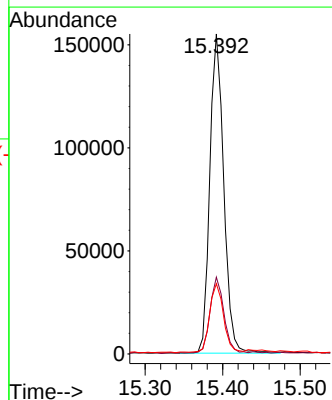
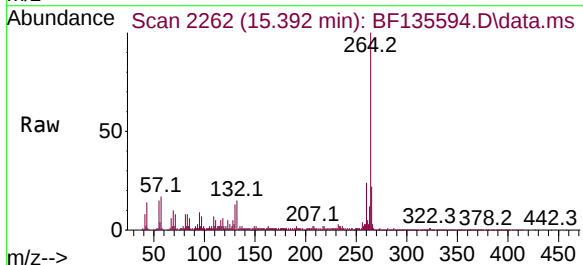
Instrument :
BNA_F
ClientSampleId :
E9066-OB-002

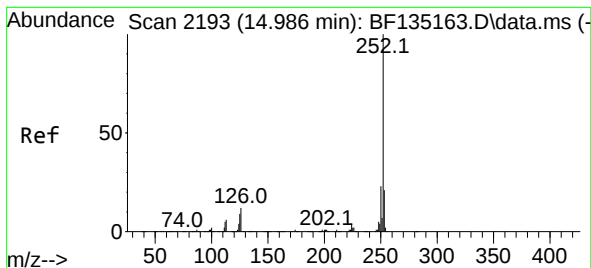
Tgt Ion:228 Resp: 43279
Ion Ratio Lower Upper
228 100
226 28.1 24.3 36.5
229 22.6 16.0 24.0



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.392 min Scan# 2262
Delta R.T. 0.006 min
Lab File: BF135594.D
Acq: 05 Oct 2023 04:07

Tgt Ion:264 Resp: 193483
Ion Ratio Lower Upper
264 100
260 24.0 19.8 29.6
265 21.9 17.0 25.4





#88

Benzo(b)fluoranthene

Concen: 6.106 ng

RT: 14.968 min Scan# 2190

Delta R.T. 0.006 min

Lab File: BF135594.D

Acq: 05 Oct 2023 04:07

Instrument :

BNA_F

ClientSampleId :

E9066-OB-002

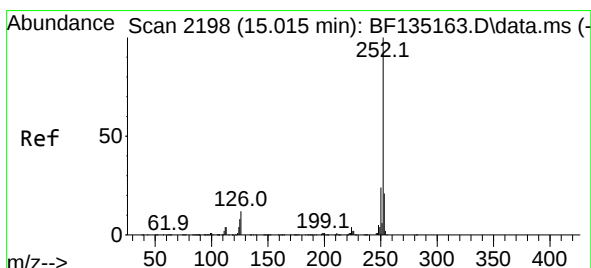
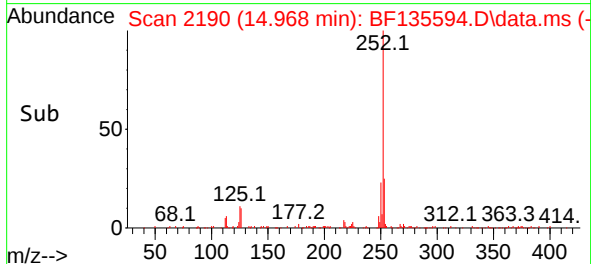
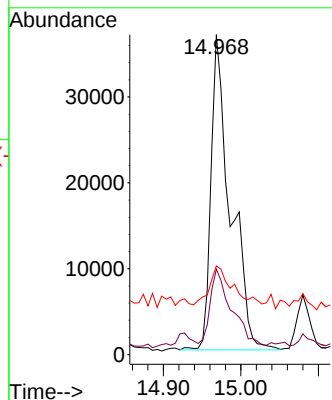
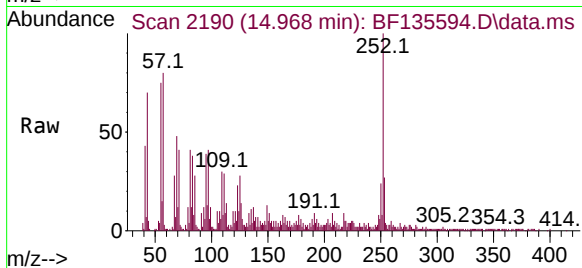
Tgt Ion:252 Resp: 63959

Ion Ratio Lower Upper

252 100

253 26.7 17.2 25.8#

125 27.8 7.1 10.7#



#89

Benzo(k)fluoranthene

Concen: 6.182 ng

RT: 14.968 min Scan# 2190

Delta R.T. -0.023 min

Lab File: BF135594.D

Acq: 05 Oct 2023 04:07

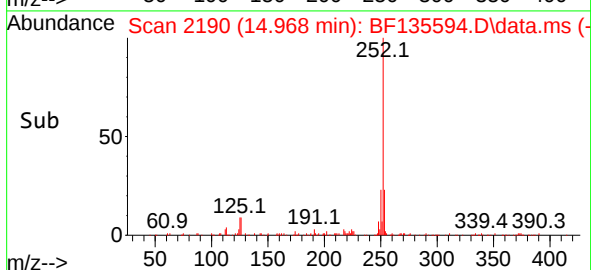
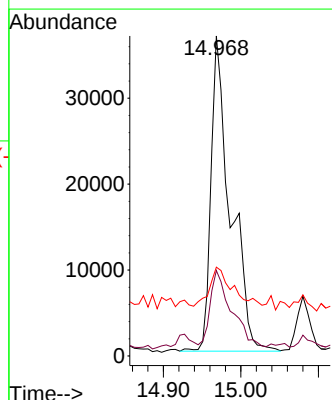
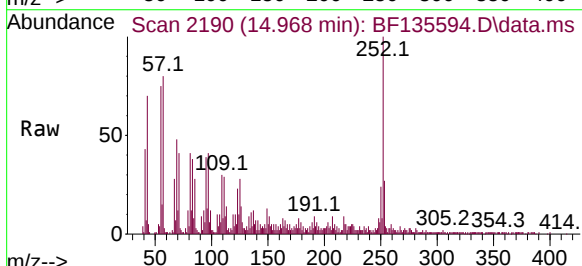
Tgt Ion:252 Resp: 63959

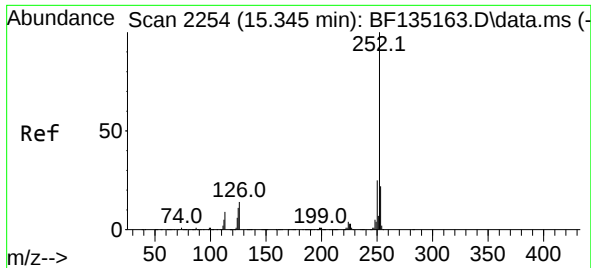
Ion Ratio Lower Upper

252 100

253 26.7 17.4 26.0#

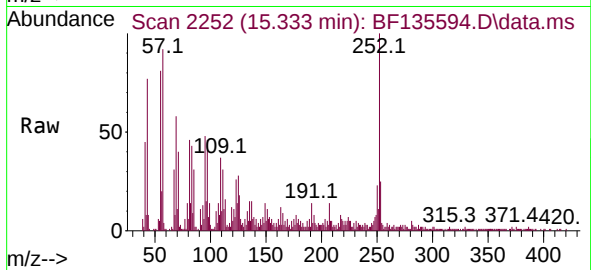
125 27.8 7.2 10.8#





#90
Benzo(a)pyrene
Concen: 3.540 ng
RT: 15.333 min Scan# 21
Delta R.T. 0.006 min
Lab File: BF135594.D
Acq: 05 Oct 2023 04:07

Instrument :
BNA_F
ClientSampleId :
E9066-OB-002



Tgt Ion:252 Resp: 35355
Ion Ratio Lower Upper
252 100
253 25.4 17.5 26.3
125 28.2 9.2 13.8#

