

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF011223\
 Data File : BF132054.D
 Acq On : 12 Jan 2023 21:59
 Operator : CG\JU
 Sample : 01122-01 5X
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 PAT-03-011123

Quant Time: Jan 13 01:39:25 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF010923.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Jan 12 23:59:08 2023
 Response via : Initial Calibration

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

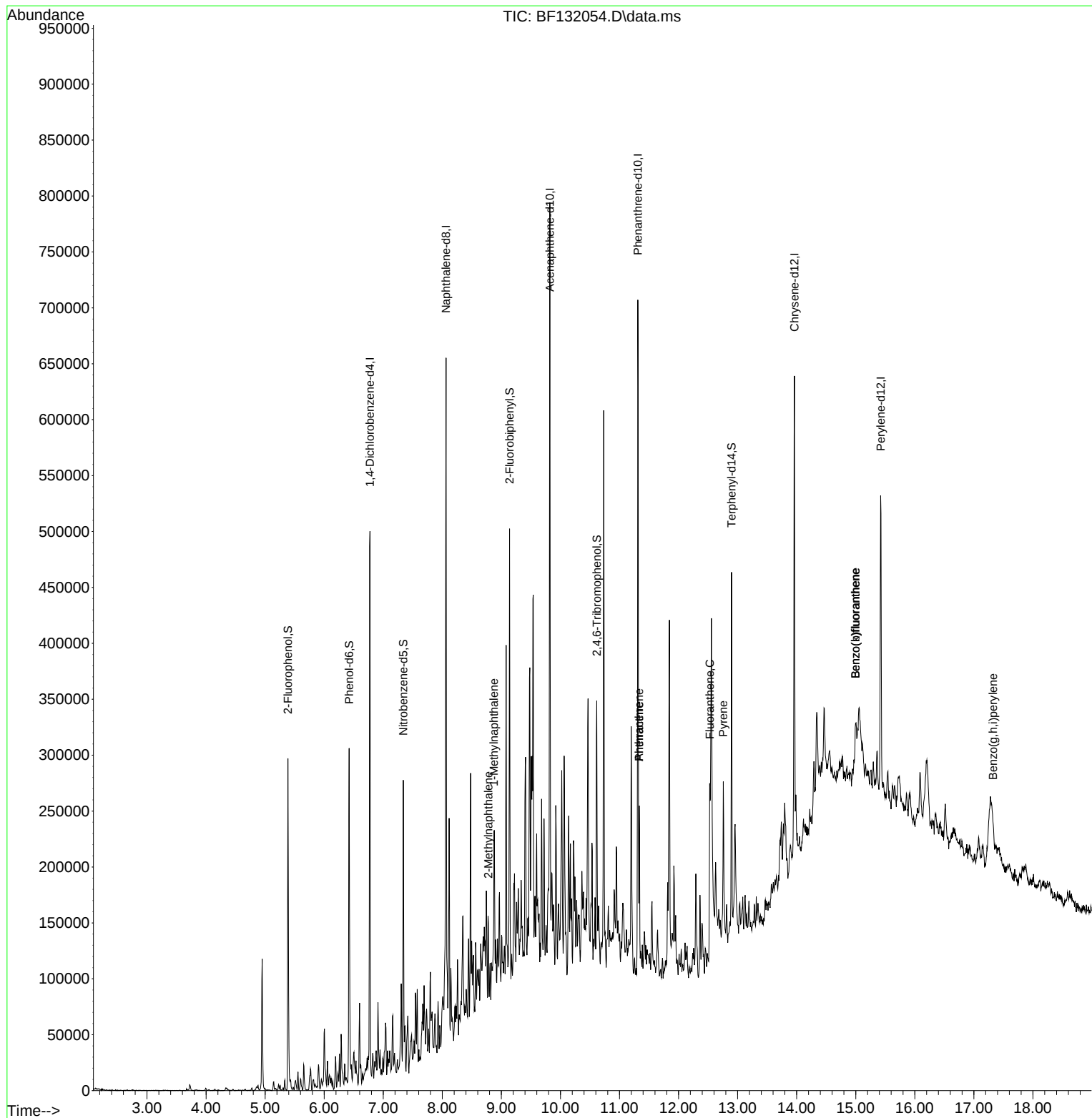
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.775	152	64520	20.000	ng	0.00
21) Naphthalene-d8	8.063	136	214155	20.000	ng	0.00
39) Acenaphthene-d10	9.822	164	114655	20.000	ng	0.00
64) Phenanthrene-d10	11.310	188	206531	20.000	ng	0.00
76) Chrysene-d12	13.963	240	132351	20.000	ng	0.00
86) Perylene-d12	15.421	264	115296	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.387	112	73697	18.822	ng	0.00
7) Phenol-d6	6.422	99	96141	18.519	ng	0.00
23) Nitrobenzene-d5	7.339	82	63495	12.305	ng	-0.01
42) 2,4,6-Tribromophenol	10.616	330	20717	15.715	ng	0.00
45) 2-Fluorobiphenyl	9.139	172	100973	11.889	ng	0.00
79) Terphenyl-d14	12.898	244	95102	10.299	ng	0.00
Target Compounds						
						Qvalue
37) 2-Methylnaphthalene	8.781	142	17685	2.176	ng	96
38) 1-Methylnaphthalene	8.875	142	32846	4.362	ng	98
71) Phenanthrene	11.333	178	48809	4.533	ng	97
72) Anthracene	11.333	178	48809	4.404	ng	97
75) Fluoranthene	12.527	202	44171	3.648	ng	98
78) Pyrene	12.757	202	53585	4.439	ng	99
88) Benzo(b)fluoranthene	14.998	252	21254	2.688	ng	# 66
89) Benzo(k)fluoranthene	14.998	252	21254	2.693	ng	# 65
92) Benzo(g,h,i)perylene	17.327	276	6786	4.516	ng	# 80

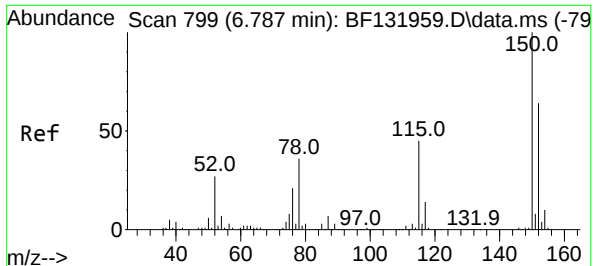
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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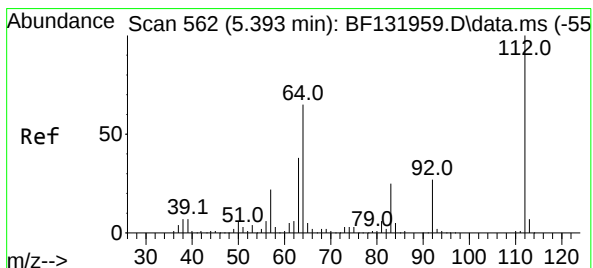
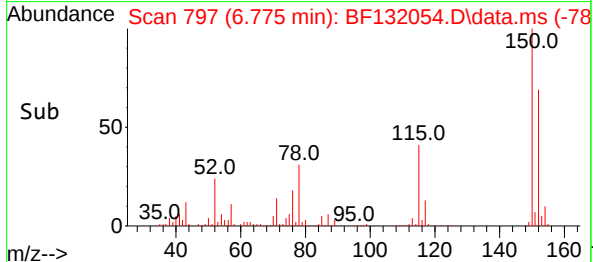
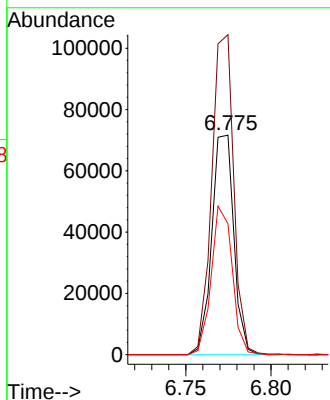
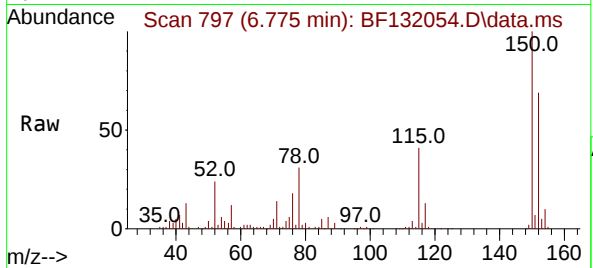




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.775 min Scan# 799
Delta R.T. -0.000 min
Lab File: BF132054.D
Acq: 12 Jan 2023 21:59

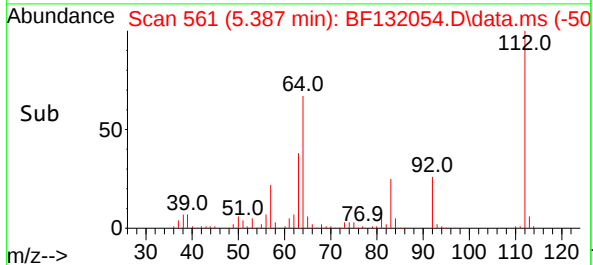
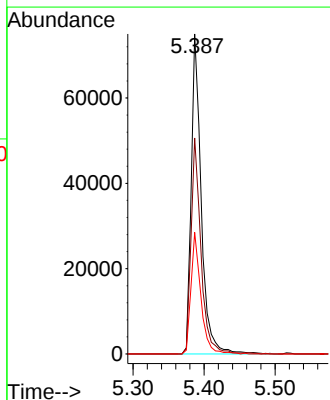
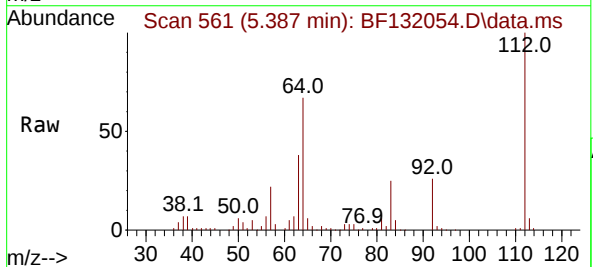
Instrument :
BNA_F
ClientSampleId :
PAT-03-011123

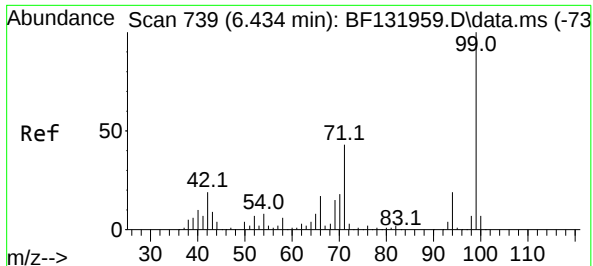
Tgt Ion:152 Resp: 64520
Ion Ratio Lower Upper
152 100
150 145.7 124.6 186.8
115 59.7 55.6 83.4



#5
2-Fluorophenol
Concen: 18.822 ng
RT: 5.387 min Scan# 561
Delta R.T. 0.006 min
Lab File: BF132054.D
Acq: 12 Jan 2023 21:59

Tgt Ion:112 Resp: 73697
Ion Ratio Lower Upper
112 100
64 67.5 51.9 77.9
63 38.0 30.2 45.2

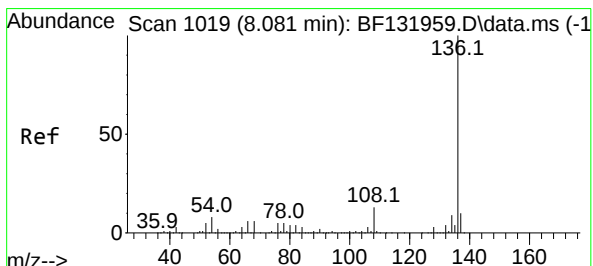
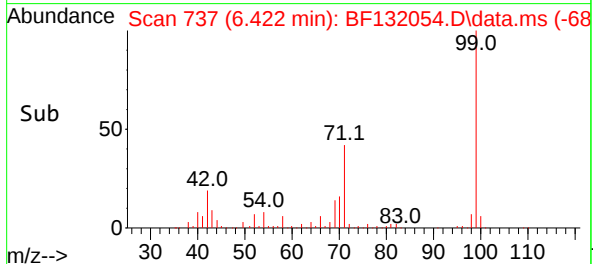
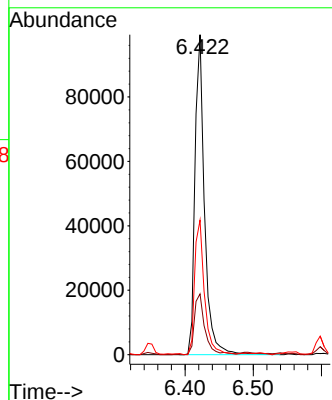
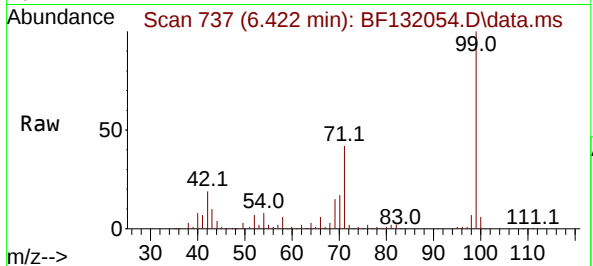




#7
Phenol-d6
Concen: 18.519 ng
RT: 6.422 min Scan# 71
Delta R.T. -0.000 min
Lab File: BF132054.D
Acq: 12 Jan 2023 21:59

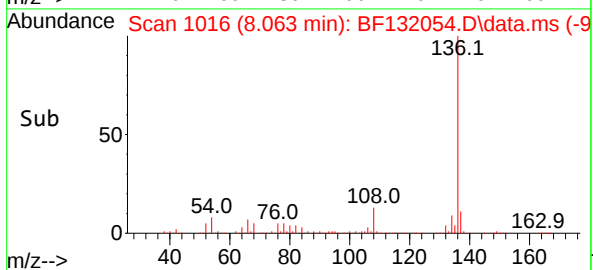
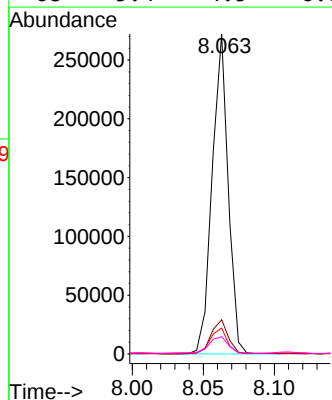
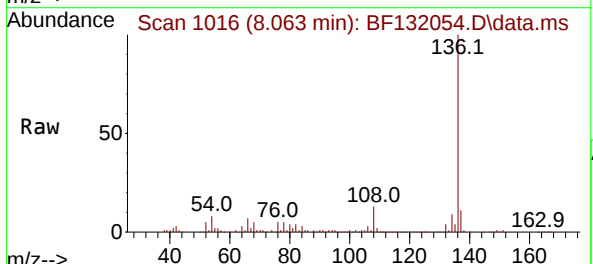
Instrument :
BNA_F
ClientSampleId :
PAT-03-011123

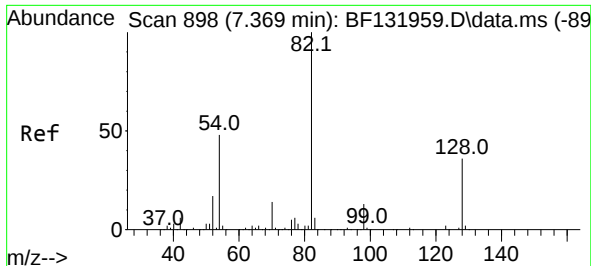
Tgt Ion: 99 Resp: 96141
Ion Ratio Lower Upper
99 100
42 19.0 15.4 23.2
71 42.1 34.6 51.8



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.063 min Scan# 1016
Delta R.T. -0.000 min
Lab File: BF132054.D
Acq: 12 Jan 2023 21:59

Tgt Ion: 136 Resp: 214155
Ion Ratio Lower Upper
136 100
137 10.7 8.2 12.2
54 8.1 6.6 9.8
68 5.4 4.5 6.7





#23

Nitrobenzene-d5

Concen: 12.305 ng

RT: 7.339 min Scan# 84

Delta R.T. -0.012 min

Lab File: BF132054.D

Acq: 12 Jan 2023 21:59

Instrument :

BNA_F

ClientSampleId :

PAT-03-011123

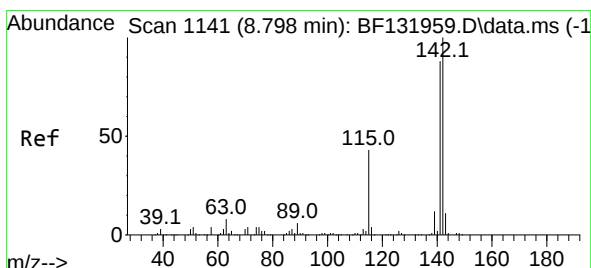
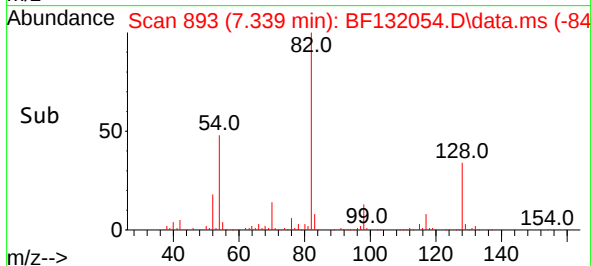
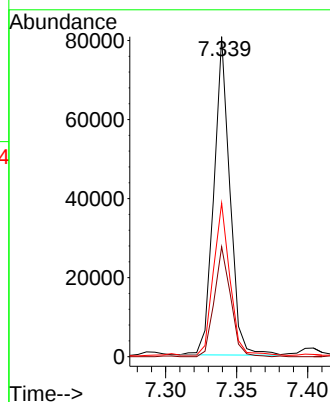
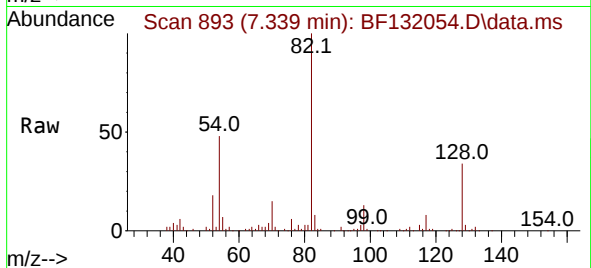
Tgt Ion: 82 Resp: 63495

Ion Ratio Lower Upper

82 100

128 34.4 28.7 43.1

54 48.0 38.1 57.1



#37

2-Methylnaphthalene

Concen: 2.176 ng

RT: 8.781 min Scan# 1138

Delta R.T. -0.000 min

Lab File: BF132054.D

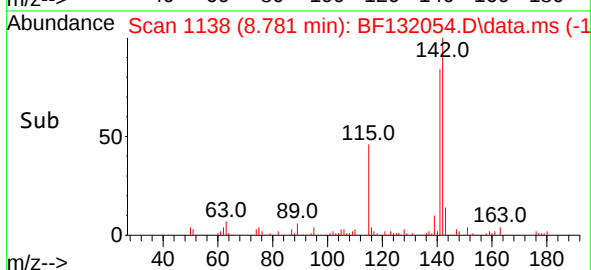
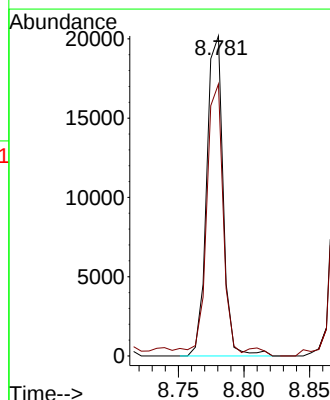
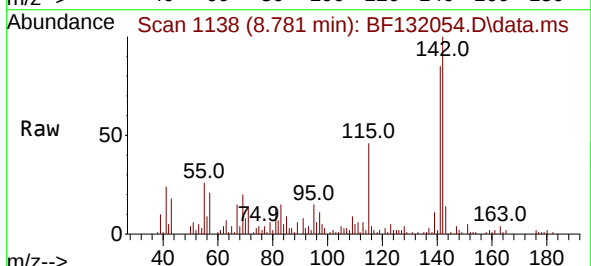
Acq: 12 Jan 2023 21:59

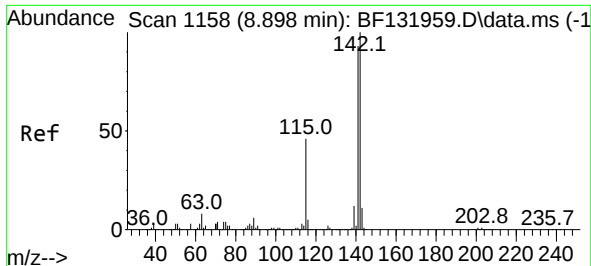
Tgt Ion: 142 Resp: 17685

Ion Ratio Lower Upper

142 100

141 84.9 70.6 106.0

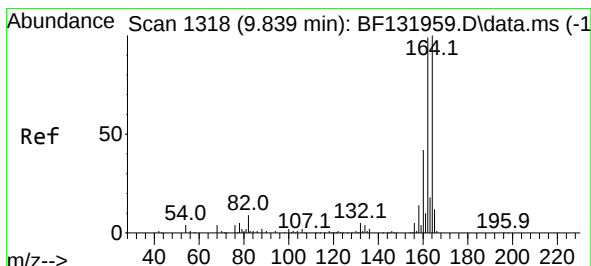
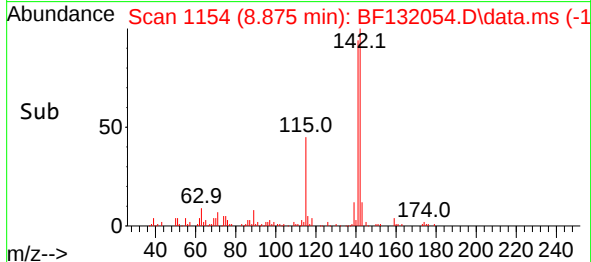
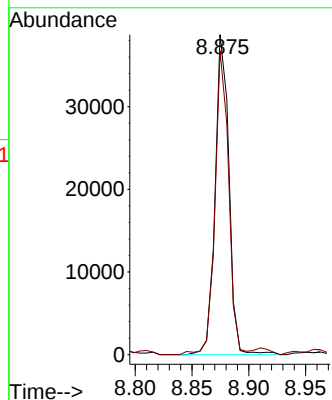
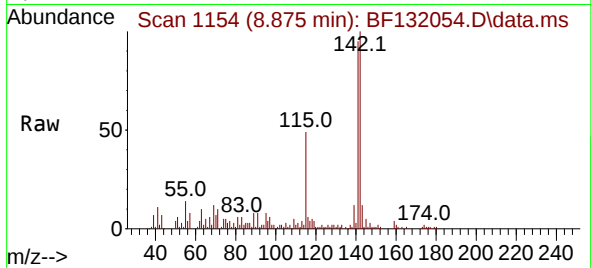




#38
1-Methylnaphthalene
Concen: 4.362 ng
RT: 8.875 min Scan# 1158
Delta R.T. -0.006 min
Lab File: BF132054.D
Acq: 12 Jan 2023 21:59

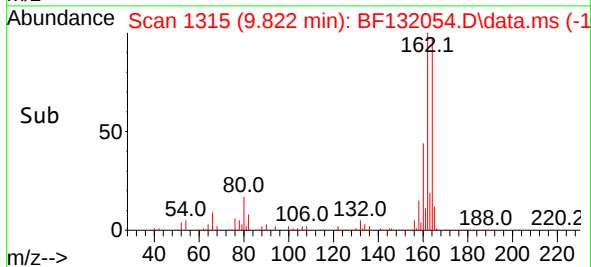
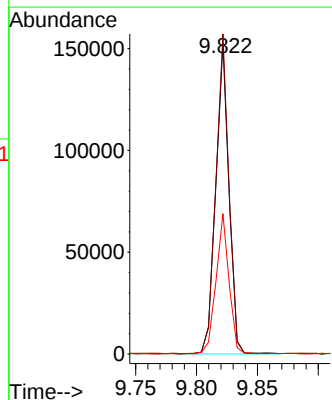
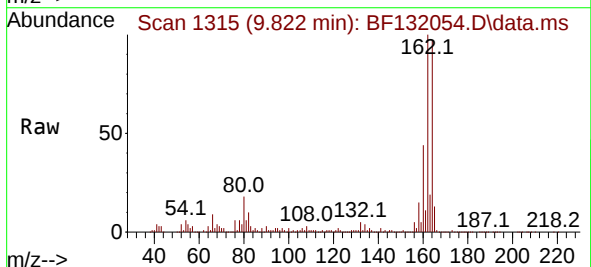
Instrument :
BNA_F
ClientSampleId :
PAT-03-011123

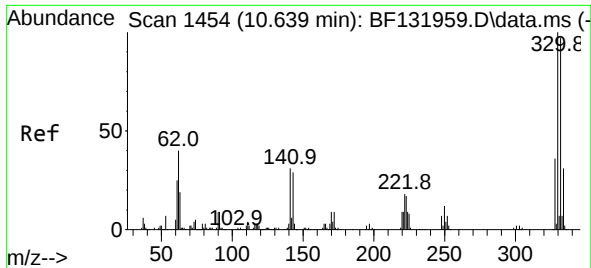
Tgt Ion:142 Resp: 32846
Ion Ratio Lower Upper
142 100
141 95.0 74.3 111.5



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.822 min Scan# 1315
Delta R.T. -0.006 min
Lab File: BF132054.D
Acq: 12 Jan 2023 21:59

Tgt Ion:164 Resp: 114655
Ion Ratio Lower Upper
164 100
162 103.1 79.4 119.0
160 45.2 33.9 50.9





#42

2,4,6-Tribromophenol

Concen: 15.715 ng

RT: 10.616 min Scan# 1454

Delta R.T. -0.006 min

Lab File: BF132054.D

Acq: 12 Jan 2023 21:59

Instrument :

BNA_F

ClientSampleId :

PAT-03-011123

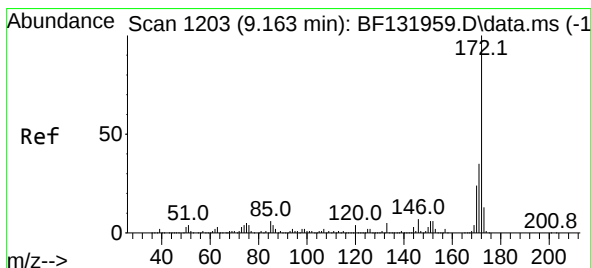
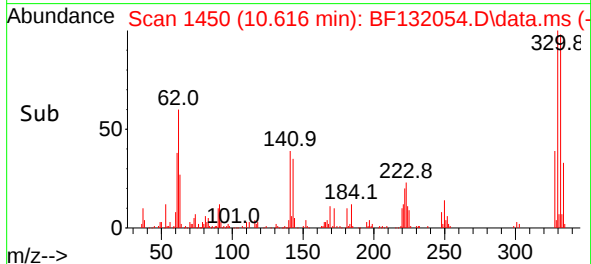
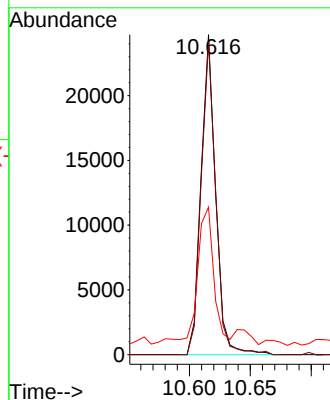
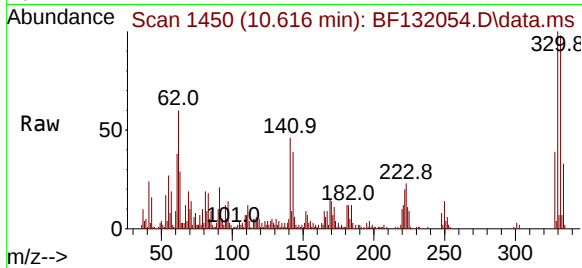
Tgt Ion:330 Resp: 20717

Ion Ratio Lower Upper

330 100

332 97.7 76.9 115.3

141 48.9 31.3 46.9#



#45

2-Fluorobiphenyl

Concen: 11.889 ng

RT: 9.139 min Scan# 1199

Delta R.T. -0.006 min

Lab File: BF132054.D

Acq: 12 Jan 2023 21:59

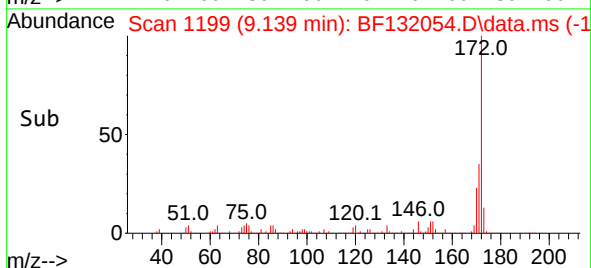
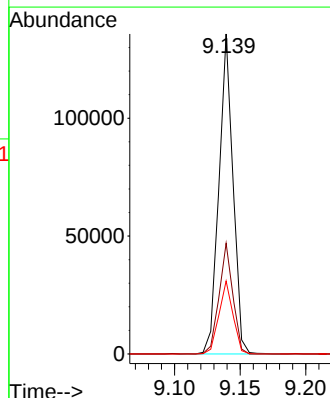
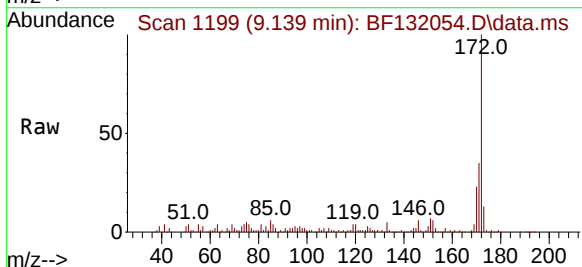
Tgt Ion:172 Resp: 100973

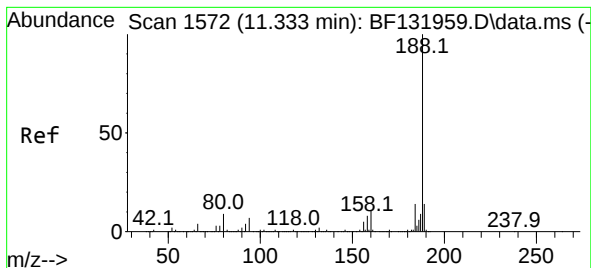
Ion Ratio Lower Upper

172 100

171 34.6 28.0 42.0

170 22.8 18.9 28.3





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.310 min Scan# 1

Delta R.T. -0.006 min

Lab File: BF132054.D

Acq: 12 Jan 2023 21:59

Instrument :

BNA_F

ClientSampleId :

PAT-03-011123

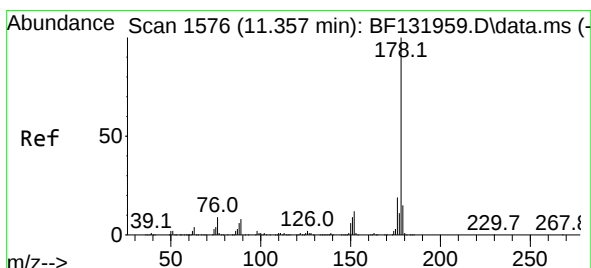
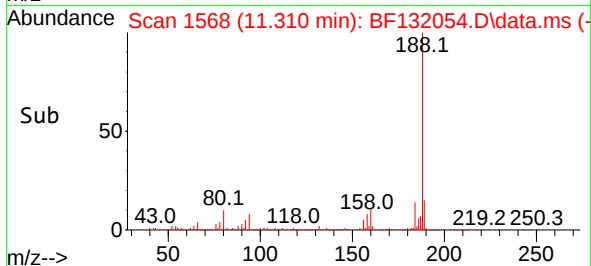
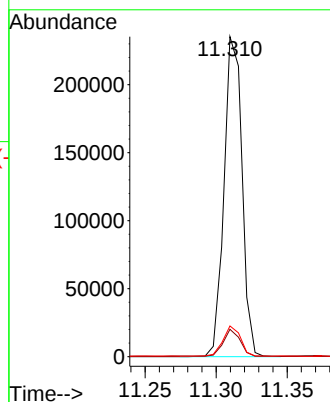
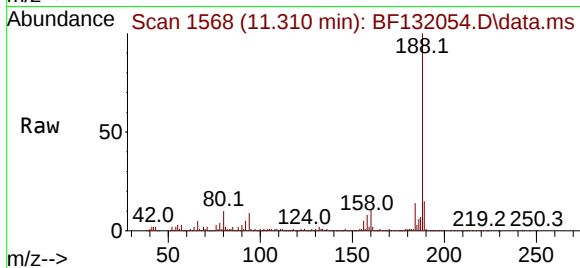
Tgt Ion:188 Resp: 206531

Ion Ratio Lower Upper

188 100

94 8.5 5.8 8.6

80 9.6 7.4 11.0



#71

Phenanthrene

Concen: 4.533 ng

RT: 11.333 min Scan# 1572

Delta R.T. -0.006 min

Lab File: BF132054.D

Acq: 12 Jan 2023 21:59

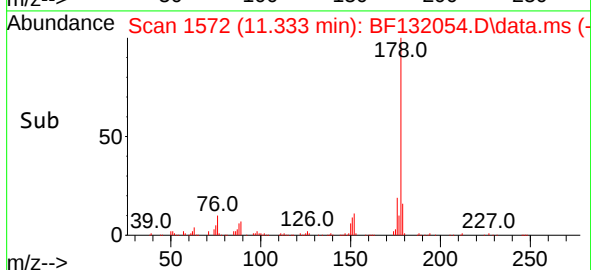
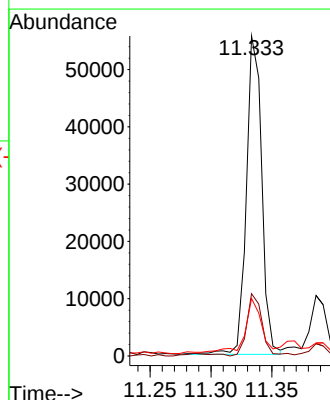
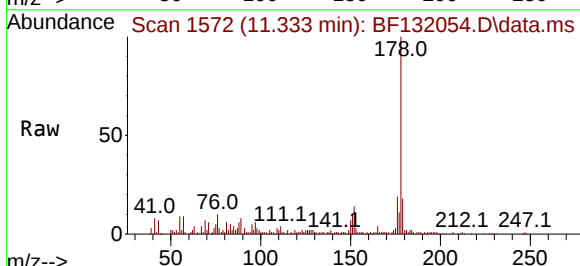
Tgt Ion:178 Resp: 48809

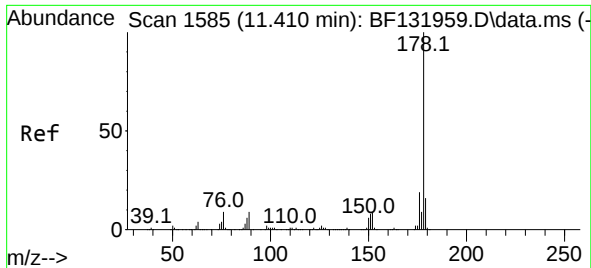
Ion Ratio Lower Upper

178 100

176 19.5 15.5 23.3

179 18.0 12.4 18.6

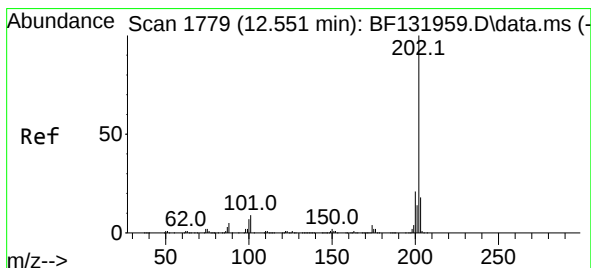
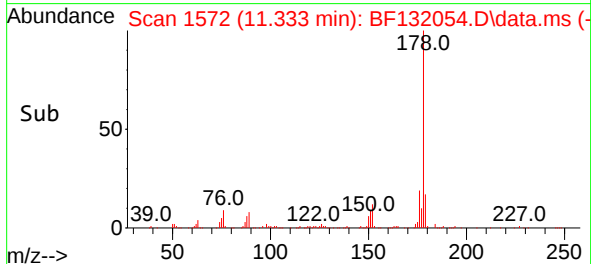
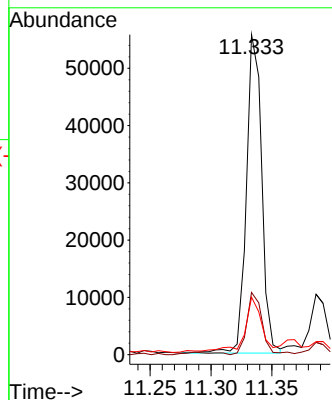
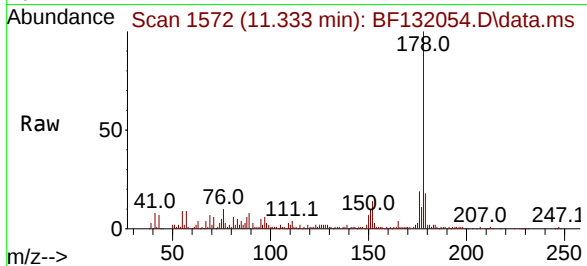




#72
 Anthracene
 Concen: 4.404 ng
 RT: 11.333 min Scan# 11
 Delta R.T. -0.059 min
 Lab File: BF132054.D
 Acq: 12 Jan 2023 21:59

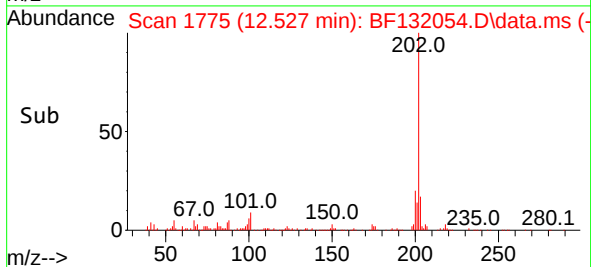
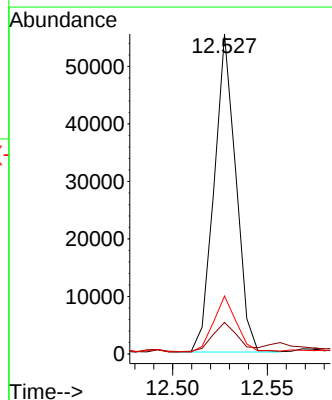
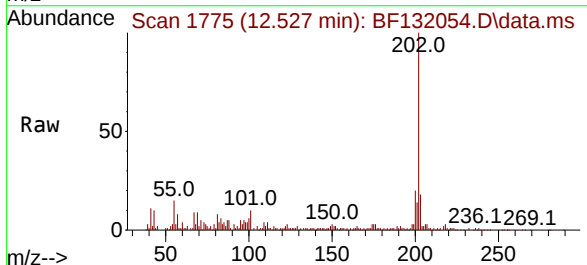
Instrument :
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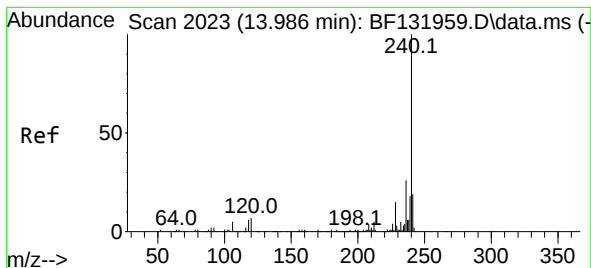
Tgt Ion:178 Resp: 48809
 Ion Ratio Lower Upper
 178 100
 176 19.5 15.3 22.9
 179 18.0 12.6 19.0



#75
 Fluoranthene
 Concen: 3.648 ng
 RT: 12.527 min Scan# 1775
 Delta R.T. -0.006 min
 Lab File: BF132054.D
 Acq: 12 Jan 2023 21:59

Tgt Ion:202 Resp: 44171
 Ion Ratio Lower Upper
 202 100
 101 9.9 0.0 28.8
 203 18.1 0.0 37.6





#76

Chrysene-d12

Concen: 20.000 ng

RT: 13.963 min Scan# 20

Delta R.T. -0.000 min

Lab File: BF132054.D

Acq: 12 Jan 2023 21:59

Instrument :

BNA_F

ClientSampleId :

PAT-03-011123

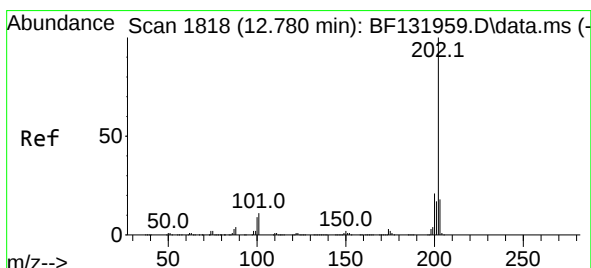
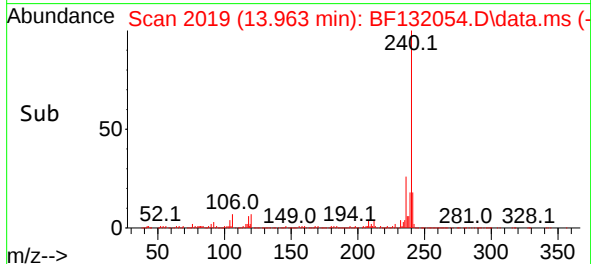
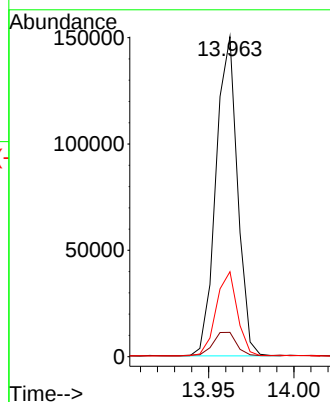
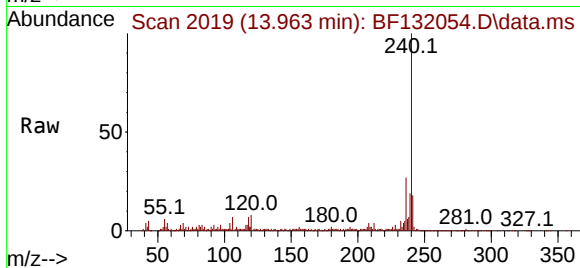
Tgt Ion:240 Resp: 132351

Ion Ratio Lower Upper

240 100

120 7.6 5.4 8.0

236 26.6 21.1 31.7



#78

Pyrene

Concen: 4.439 ng

RT: 12.757 min Scan# 1814

Delta R.T. -0.006 min

Lab File: BF132054.D

Acq: 12 Jan 2023 21:59

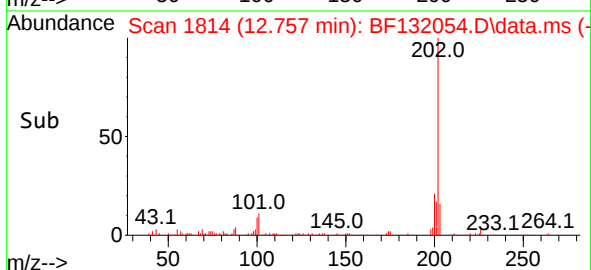
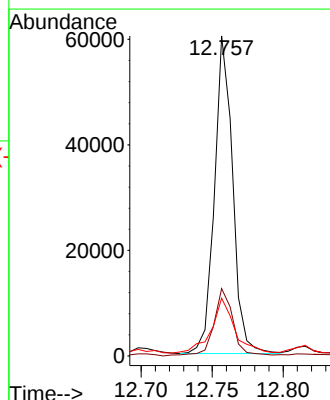
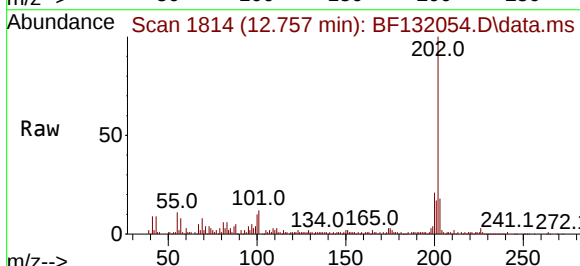
Tgt Ion:202 Resp: 53585

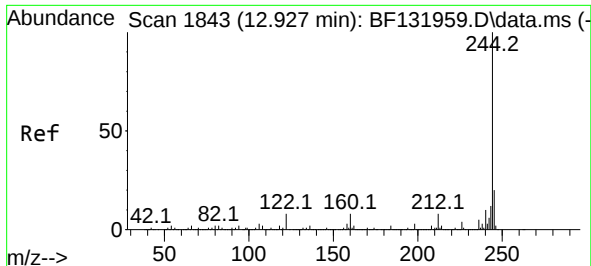
Ion Ratio Lower Upper

202 100

200 21.0 17.0 25.6

203 18.1 14.1 21.1

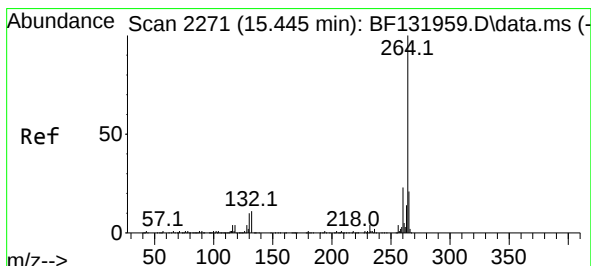
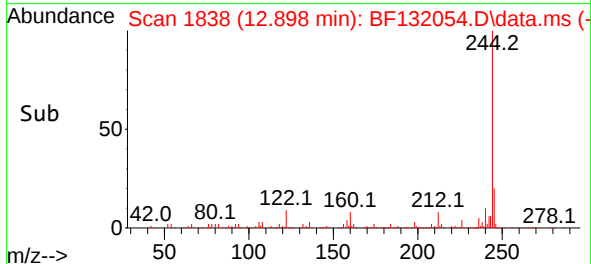
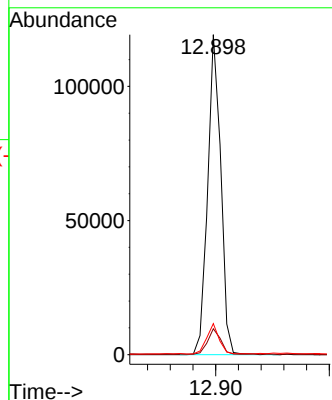
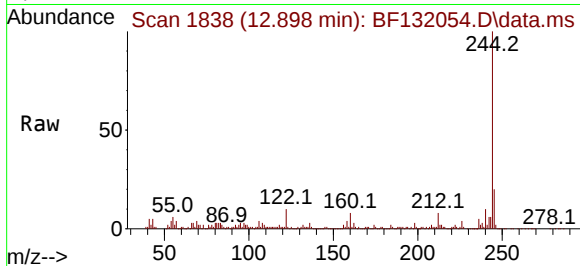




#79
 Terphenyl-d14
 Concen: 10.299 ng
 RT: 12.898 min Scan# 11
 Delta R.T. -0.006 min
 Lab File: BF132054.D
 Acq: 12 Jan 2023 21:59

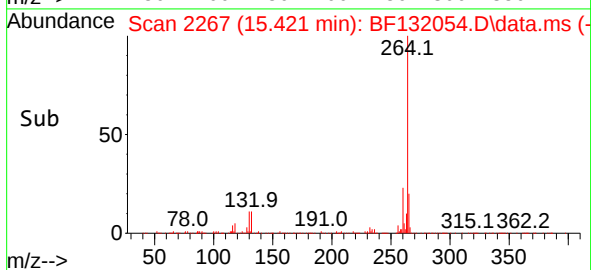
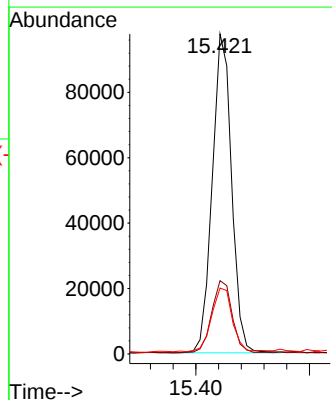
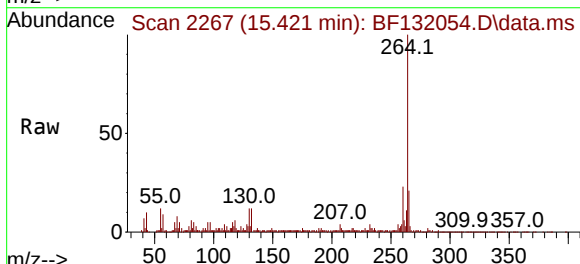
Instrument :
 BNA_F
 ClientSampleId :
 PAT-03-011123

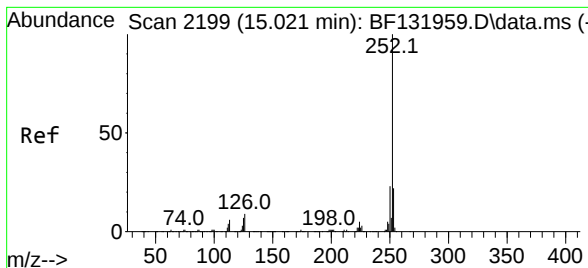
Tgt Ion:244 Resp: 95102
 Ion Ratio Lower Upper
 244 100
 212 8.1 6.3 9.5
 122 9.7 6.8 10.2



#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.421 min Scan# 2267
 Delta R.T. 0.006 min
 Lab File: BF132054.D
 Acq: 12 Jan 2023 21:59

Tgt Ion:264 Resp: 115296
 Ion Ratio Lower Upper
 264 100
 260 22.9 18.3 27.5
 265 20.6 16.9 25.3





#88

Benzo(b)fluoranthene

Concen: 2.688 ng

RT: 14.998 min Scan# 2195

Delta R.T. -0.000 min

Lab File: BF132054.D

Acq: 12 Jan 2023 21:59

Instrument :

BNA_F

ClientSampleId :

PAT-03-011123

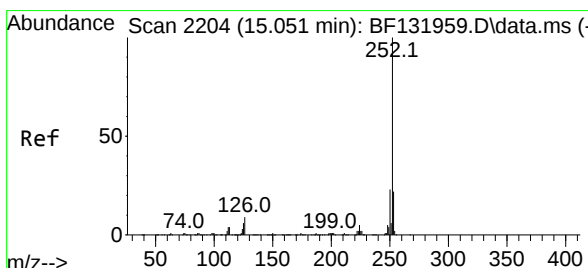
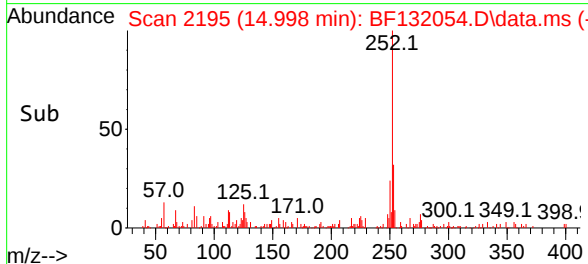
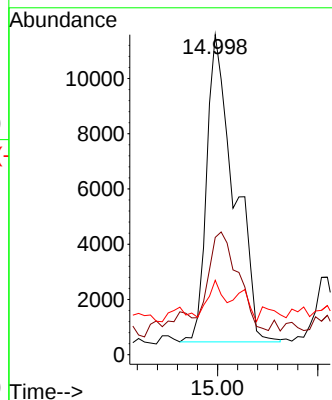
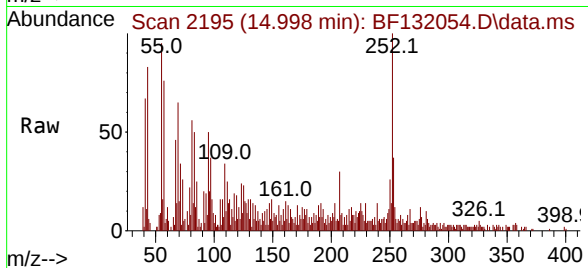
Tgt Ion:252 Resp: 21254

Ion Ratio Lower Upper

252 100

253 36.7 18.0 27.0#

125 23.2 5.8 8.6#



#89

Benzo(k)fluoranthene

Concen: 2.693 ng

RT: 14.998 min Scan# 2195

Delta R.T. -0.029 min

Lab File: BF132054.D

Acq: 12 Jan 2023 21:59

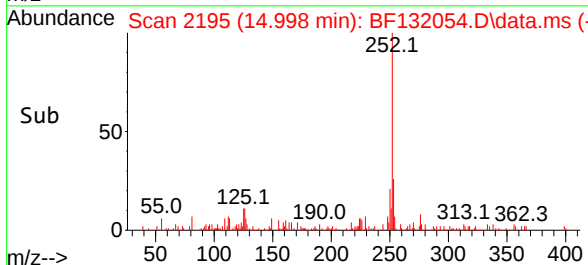
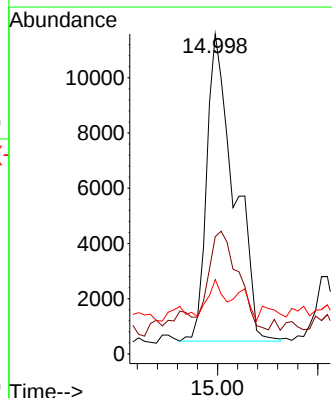
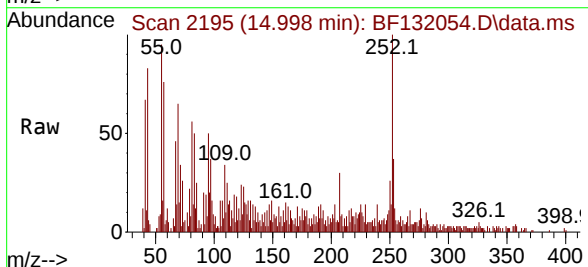
Tgt Ion:252 Resp: 21254

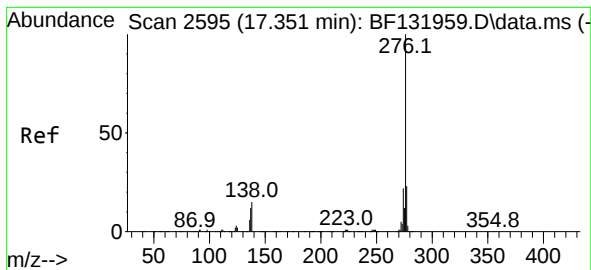
Ion Ratio Lower Upper

252 100

253 36.7 17.8 26.6#

125 23.2 5.2 7.8#





#92

Benzo(g,h,i)perylene

Concen: 4.516 ng

RT: 17.327 min Scan# 21

Delta R.T. 0.012 min

Lab File: BF132054.D

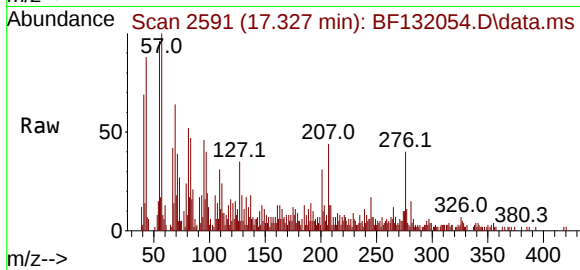
Acq: 12 Jan 2023 21:59

Instrument :

BNA_F

ClientSampleId :

PAT-03-011123



Tgt Ion:276 Resp: 6786

Ion Ratio Lower Upper

276 100

277 27.2 18.2 27.2

138 29.4 11.7 17.5#

