

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF071723\
 Data File : BF134332.D
 Acq On : 18 Jul 2023 00:17
 Operator : CG\JU
 Sample : 03613-01 2X
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TR-4-071323

Quant Time: Jul 18 01:19:43 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF062623.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Jul 14 22:51:27 2023
 Response via : Initial Calibration

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

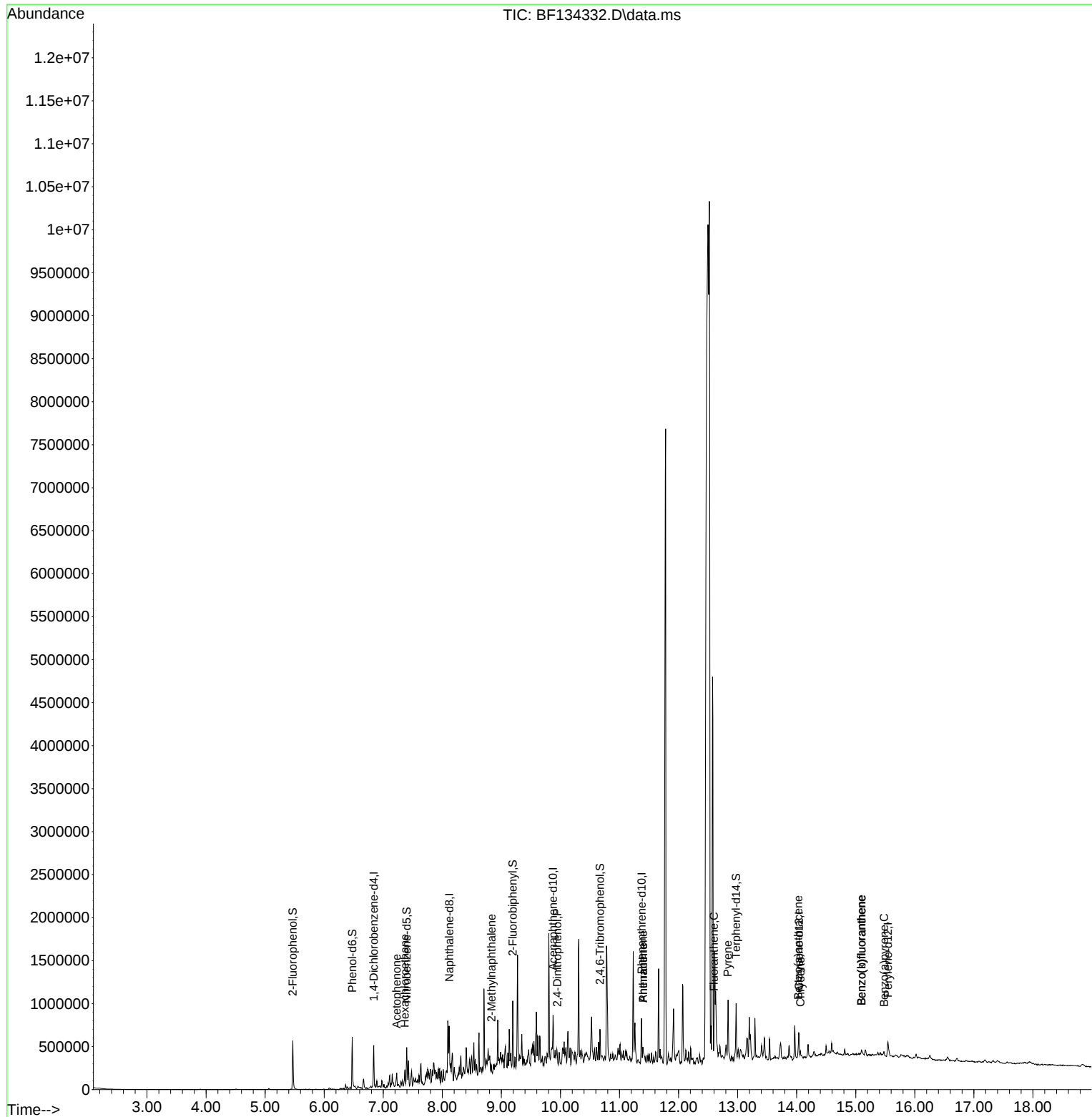
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.840	152	64034	20.000	ng	0.00
21) Naphthalene-d8	8.116	136	217897	20.000	ng	0.00
39) Acenaphthene-d10	9.875	164	93164	20.000	ng	0.00
64) Phenanthrene-d10	11.375	188	177034	20.000	ng	0.00
76) Chrysene-d12	14.039	240	94980	20.000	ng	0.00
86) Perylene-d12	15.545	264	85411	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.469	112	148115	38.692	ng	0.00
7) Phenol-d6	6.475	99	174495	37.066	ng	-0.01
23) Nitrobenzene-d5	7.398	82	108179	26.762	ng	-0.01
42) 2,4,6-Tribromophenol	10.669	330	45509	38.960	ng	-0.01
45) 2-Fluorobiphenyl	9.192	172	193406	30.182	ng	-0.01
79) Terphenyl-d14	12.974	244	194595	32.974	ng	0.00
Target Compounds						Qvalue
9) Benzaldehyde	6.393	77	1173	Below Cal	#	1
18) Hexachloroethane	7.363	117	7795	5.024	ng	# 1
22) Acetophenone	7.228	105	20579	4.153	ng	# 51
37) 2-Methylnaphthalene	8.834	142	15874	2.133	ng	# 96
54) 2,4-Dinitrophenol	9.945	184	56	3.927	ng	# 1
71) Phenanthrene	11.398	178	52224	5.860	ng	# 97
72) Anthracene	11.398	178	52224	5.634	ng	# 97
75) Fluoranthene	12.598	202	89422	9.281	ng	# 97
78) Pyrene	12.833	202	79961	9.046	ng	# 99
81) Benzo(a)anthracene	14.027	228	29773	4.520	ng	# 89
83) Chrysene	14.063	228	27422	4.298	ng	# 88
88) Benzo(b)fluoranthene	15.098	252	43858	8.733	ng	# 75
89) Benzo(k)fluoranthene	15.098	252	43858	8.577	ng	# 75
90) Benzo(a)pyrene	15.480	252	22075	4.546	ng	# 81

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

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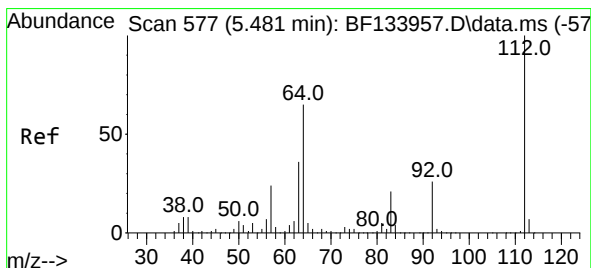
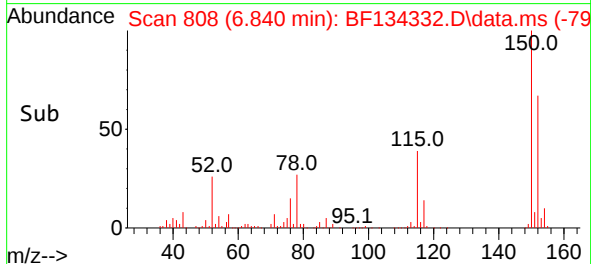
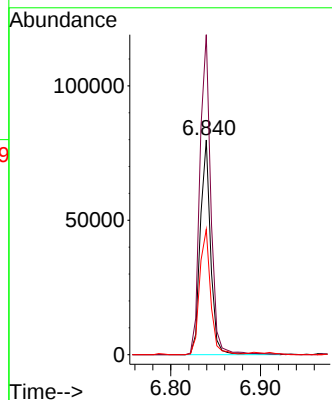
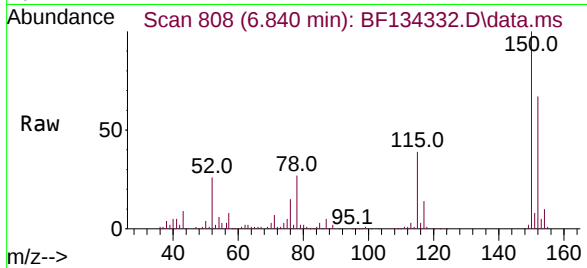




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.840 min Scan# 80
Delta R.T. -0.005 min
Lab File: BF134332.D
Acq: 18 Jul 2023 00:17

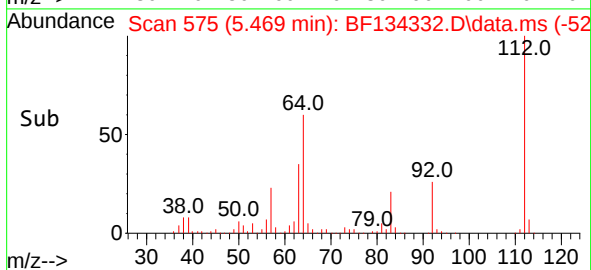
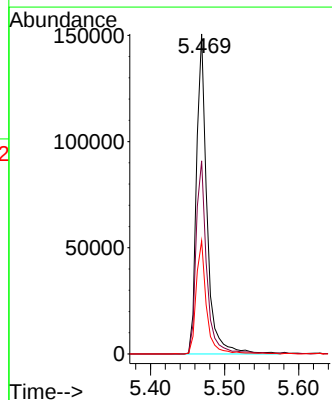
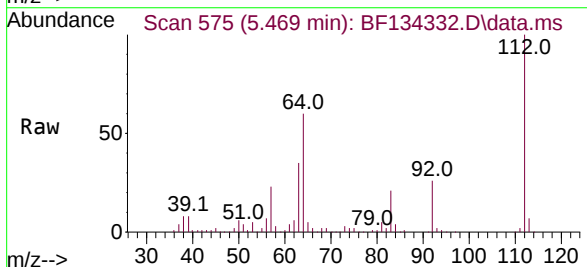
Instrument :
BNA_F
ClientSampleId :
TR-4-071323

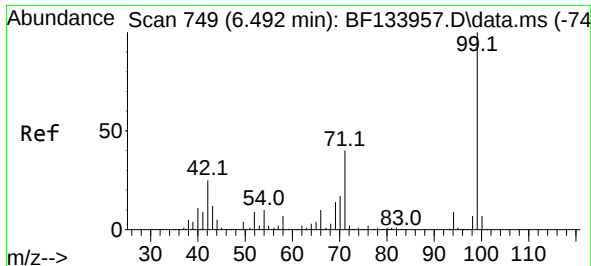
Tgt Ion:152 Resp: 64034
Ion Ratio Lower Upper
152 100
150 149.0 124.5 186.7
115 58.3 50.2 75.2



#5
2-Fluorophenol
Concen: 38.692 ng
RT: 5.469 min Scan# 575
Delta R.T. 0.000 min
Lab File: BF134332.D
Acq: 18 Jul 2023 00:17

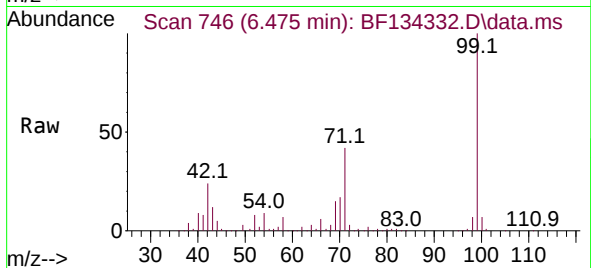
Tgt Ion:112 Resp: 148115
Ion Ratio Lower Upper
112 100
64 60.3 52.1 78.1
63 35.4 28.6 42.8





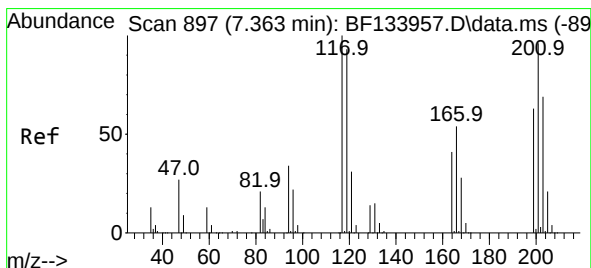
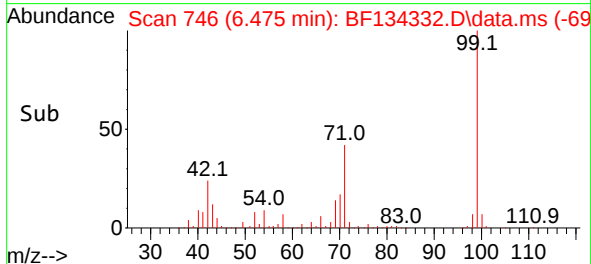
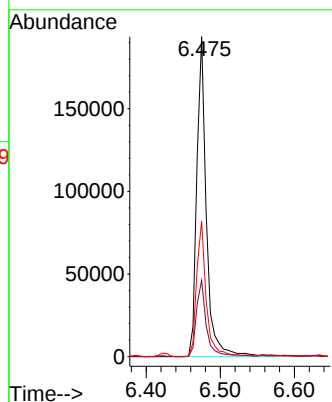
#7
Phenol-d6
Concen: 37.066 ng
RT: 6.475 min Scan# 749
Delta R.T. -0.012 min
Lab File: BF134332.D
Acq: 18 Jul 2023 00:17

Instrument :
BNA_F
ClientSampleId :
TR-4-071323



Tgt Ion: 99 Resp: 174495

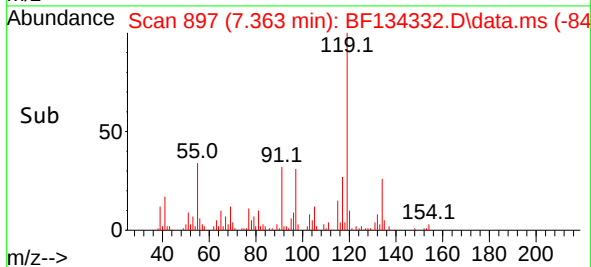
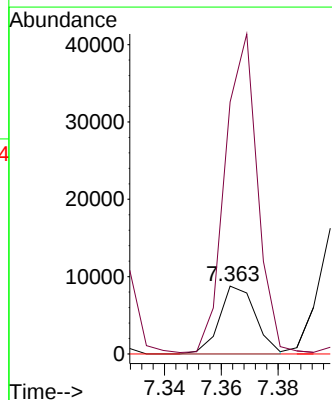
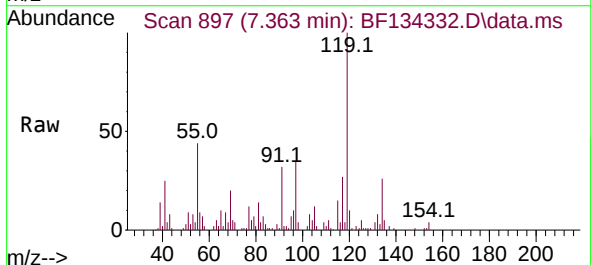
Ion	Ratio	Lower	Upper
99	100		
42	23.8	19.8	29.6
71	42.3	31.9	47.9



#18
Hexachloroethane
Concen: 5.024 ng
RT: 7.363 min Scan# 897
Delta R.T. 0.012 min
Lab File: BF134332.D
Acq: 18 Jul 2023 00:17

Tgt Ion: 117 Resp: 7795

Ion	Ratio	Lower	Upper
117	100		
119	371.3	74.2	111.4#
201	0.0	77.2	115.8#

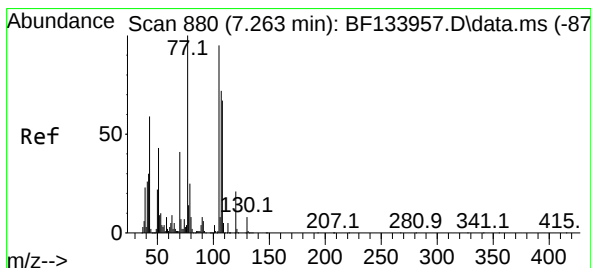
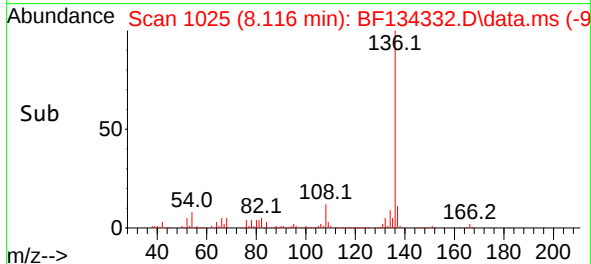
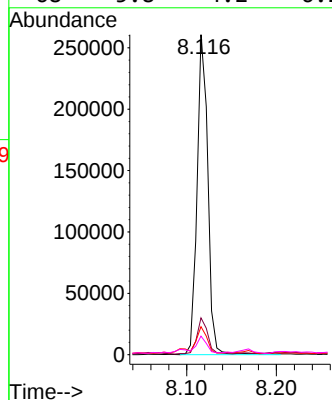
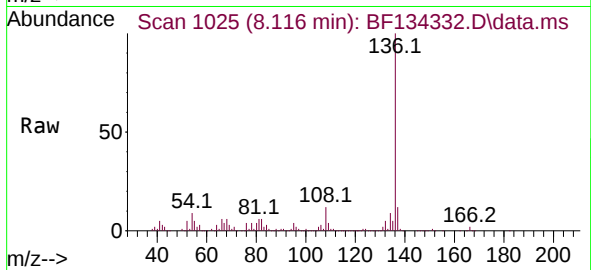




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.116 min Scan# 1025
Delta R.T. -0.006 min
Lab File: BF134332.D
Acq: 18 Jul 2023 00:17

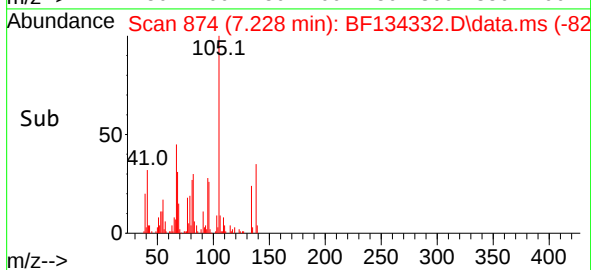
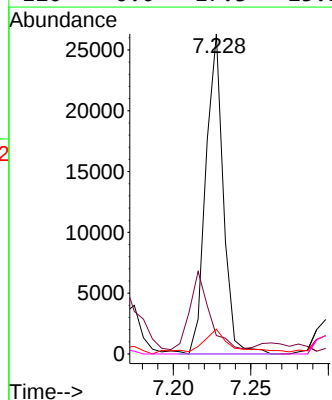
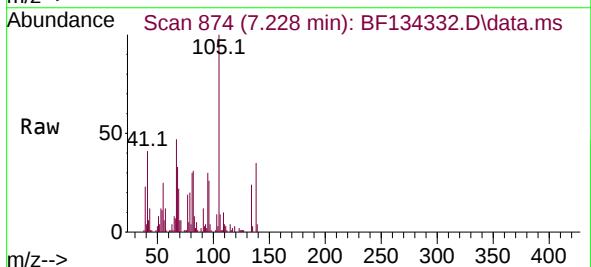
Instrument :
BNA_F
ClientSampleId :
TR-4-071323

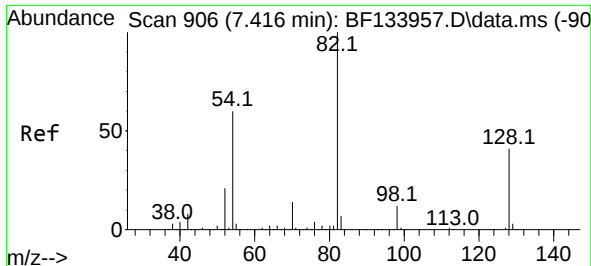
Tgt Ion:136 Resp: 217897
Ion Ratio Lower Upper
136 100
137 11.5 8.6 12.8
54 8.7 6.5 9.7
68 5.8 4.2 6.2



#22
Acetophenone
Concen: 4.153 ng
RT: 7.228 min Scan# 874
Delta R.T. -0.029 min
Lab File: BF134332.D
Acq: 18 Jul 2023 00:17

Tgt Ion:105 Resp: 20579
Ion Ratio Lower Upper
105 100
71 5.7 5.5 8.3
51 7.8 36.5 54.7#
120 0.0 17.3 25.9#

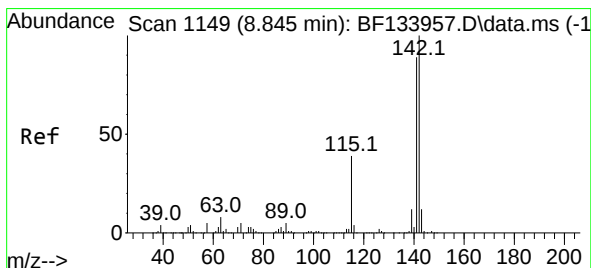
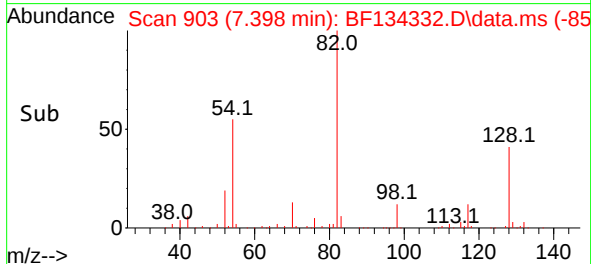
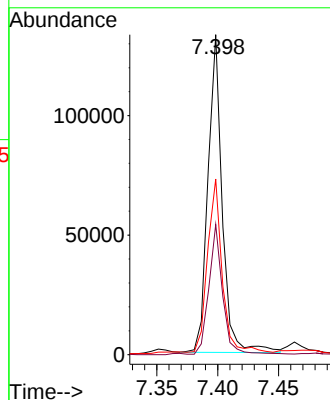
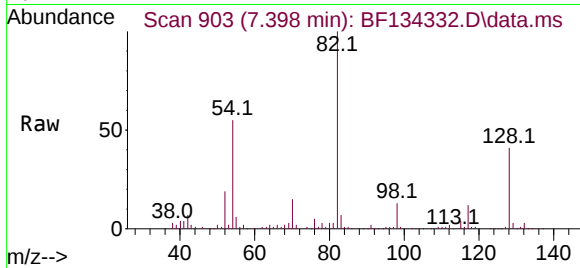




#23
Nitrobenzene-d5
Concen: 26.762 ng
RT: 7.398 min Scan# 906
Delta R.T. -0.012 min
Lab File: BF134332.D
Acq: 18 Jul 2023 00:17

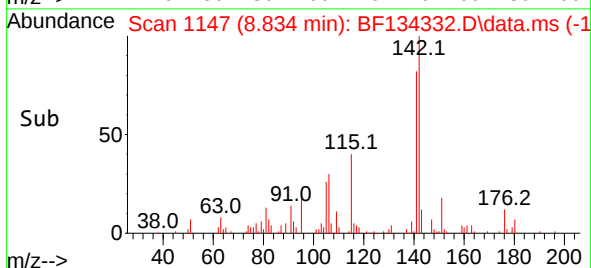
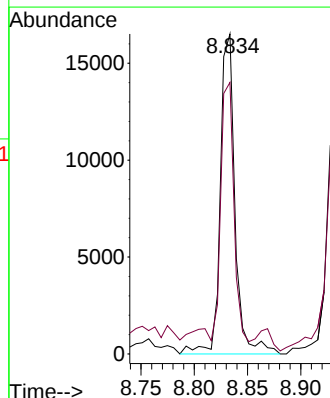
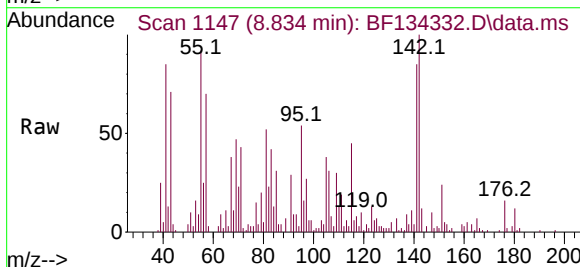
Instrument :
BNA_F
ClientSampleId :
TR-4-071323

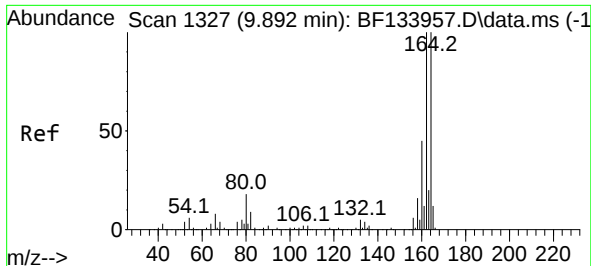
Tgt Ion: 82 Resp: 108179
Ion Ratio Lower Upper
82 100
128 40.7 32.5 48.7
54 54.9 48.2 72.2



#37
2-Methylnaphthalene
Concen: 2.133 ng
RT: 8.834 min Scan# 1147
Delta R.T. -0.006 min
Lab File: BF134332.D
Acq: 18 Jul 2023 00:17

Tgt Ion: 142 Resp: 15874
Ion Ratio Lower Upper
142 100
141 84.8 71.0 106.4





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.875 min Scan# 1

Delta R.T. -0.006 min

Lab File: BF134332.D

Acq: 18 Jul 2023 00:17

Instrument :

BNA_F

ClientSampleId :

TR-4-071323

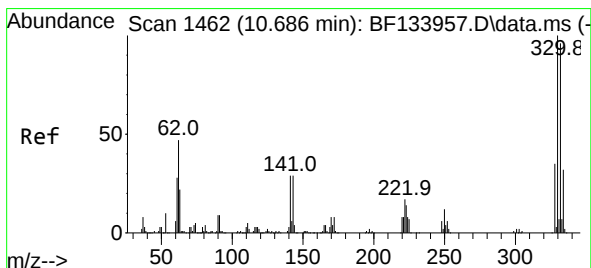
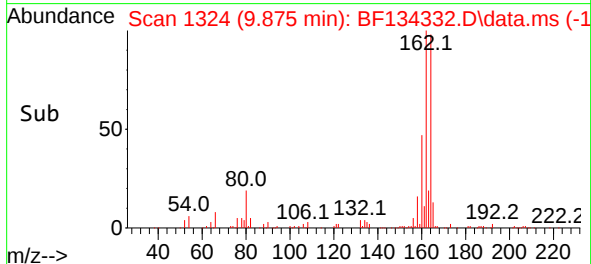
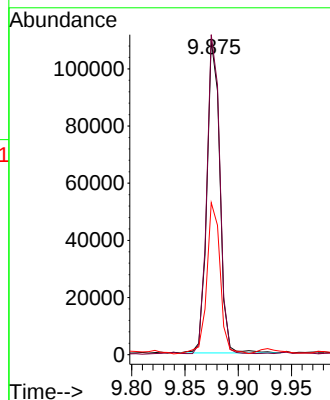
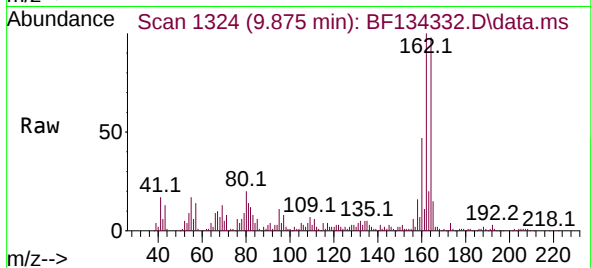
Tgt Ion:164 Resp: 93164

Ion Ratio Lower Upper

164 100

162 101.8 80.0 120.0

160 48.3 35.9 53.9



#42

2,4,6-Tribromophenol

Concen: 38.960 ng

RT: 10.669 min Scan# 1459

Delta R.T. -0.012 min

Lab File: BF134332.D

Acq: 18 Jul 2023 00:17

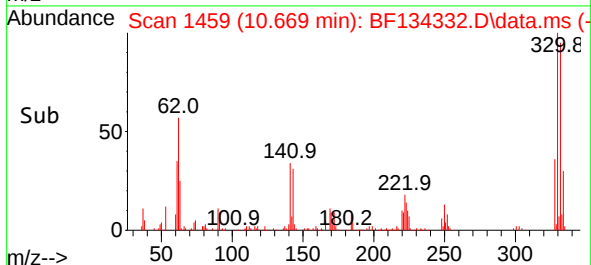
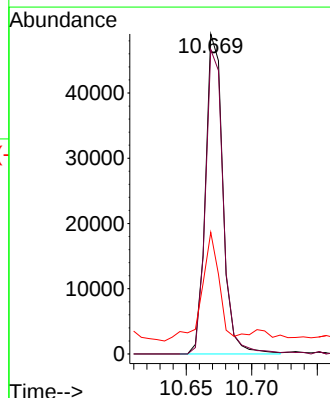
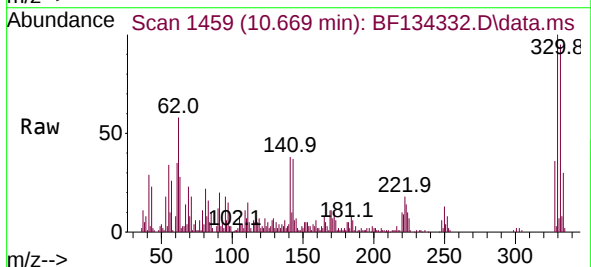
Tgt Ion:330 Resp: 45509

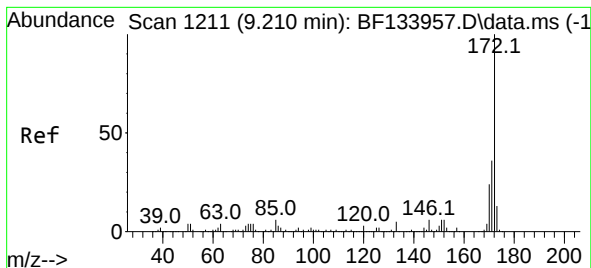
Ion Ratio Lower Upper

330 100

332 97.7 77.0 115.6

141 33.5 26.3 39.5





#45

2-Fluorobiphenyl

Concen: 30.182 ng

RT: 9.192 min Scan# 1

Delta R.T. -0.012 min

Lab File: BF134332.D

Acq: 18 Jul 2023 00:17

Instrument :

BNA_F

ClientSampleId :

TR-4-071323

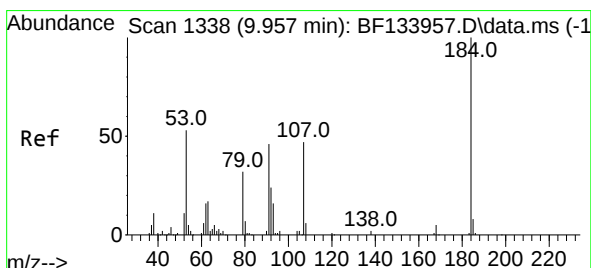
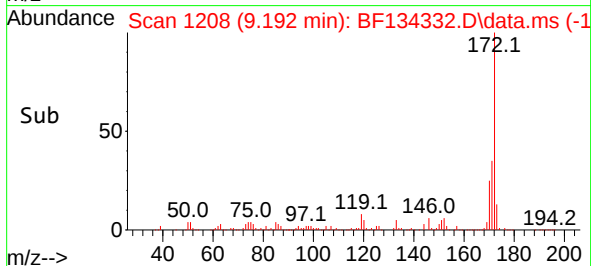
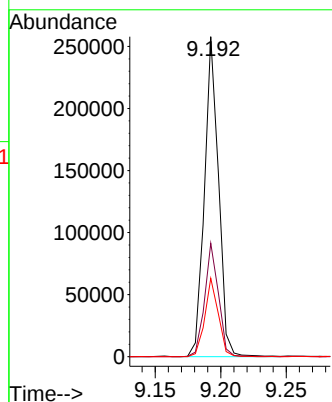
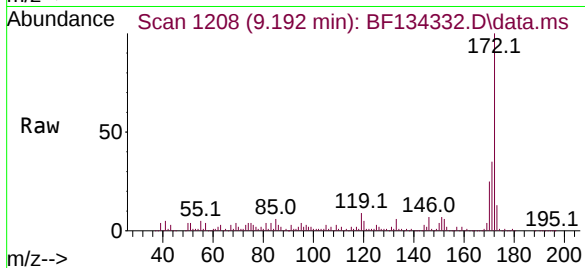
Tgt Ion:172 Resp: 193406

Ion Ratio Lower Upper

172 100

171 35.5 28.6 43.0

170 24.5 19.4 29.0



#54

2,4-Dinitrophenol

Concen: 3.927 ng

RT: 9.945 min Scan# 1336

Delta R.T. -0.012 min

Lab File: BF134332.D

Acq: 18 Jul 2023 00:17

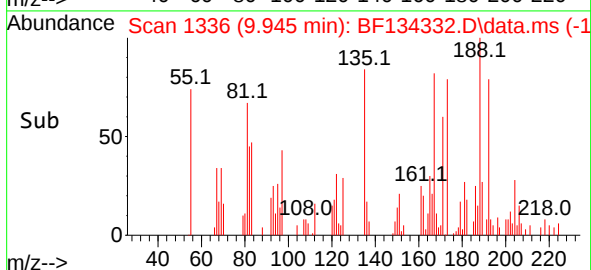
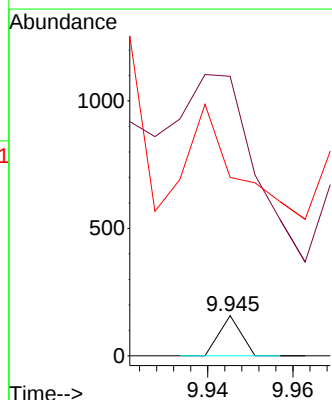
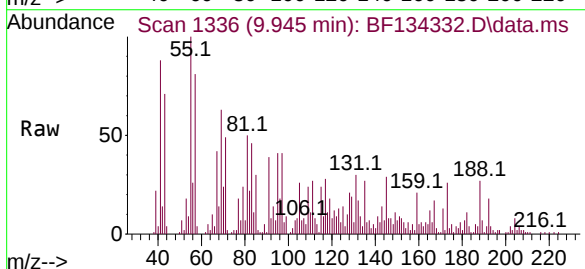
Tgt Ion:184 Resp: 56

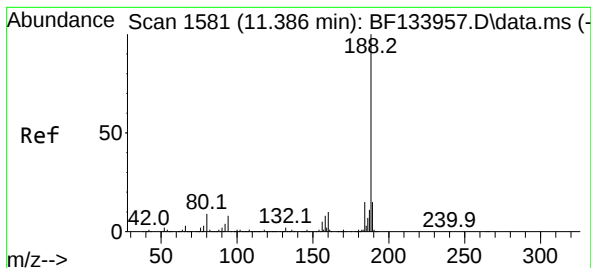
Ion Ratio Lower Upper

184 100

63 694.3 56.9 85.3#

154 443.0 55.4 83.0#





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.375 min Scan# 1

Delta R.T. 0.000 min

Lab File: BF134332.D

Acq: 18 Jul 2023 00:17

Instrument :

BNA_F

ClientSampleId :

TR-4-071323

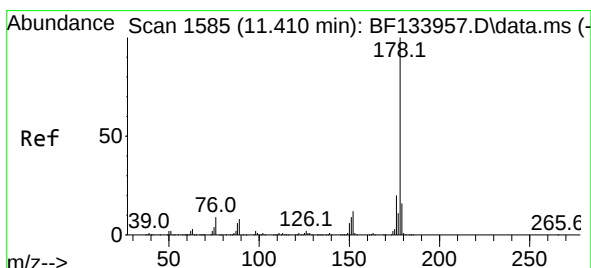
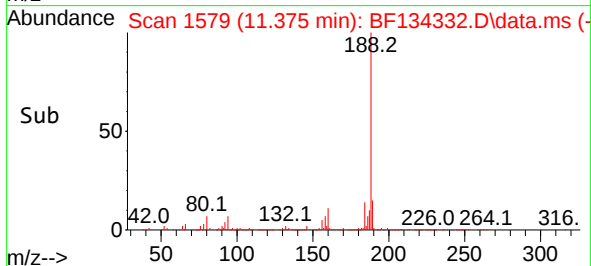
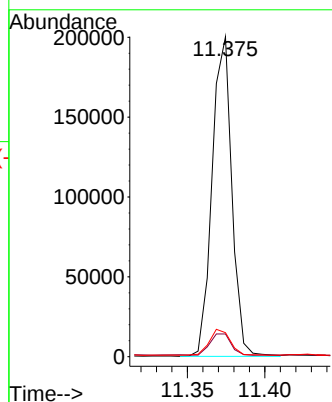
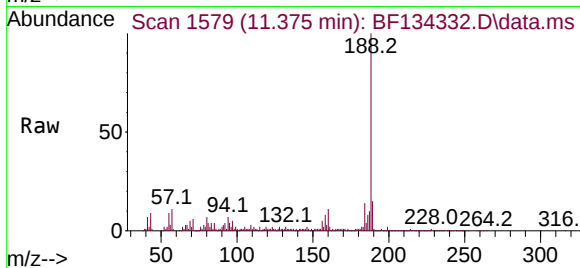
Tgt Ion:188 Resp: 177034

Ion Ratio Lower Upper

188 100

94 7.1 6.4 9.6

80 7.5 7.3 10.9



#71

Phenanthrene

Concen: 5.860 ng

RT: 11.398 min Scan# 1583

Delta R.T. -0.006 min

Lab File: BF134332.D

Acq: 18 Jul 2023 00:17

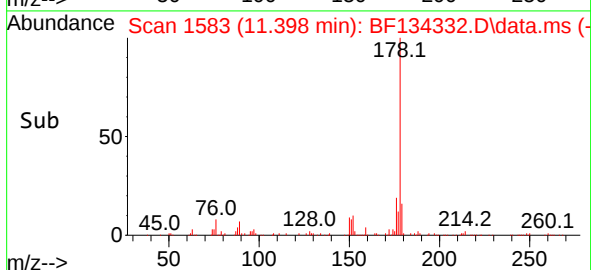
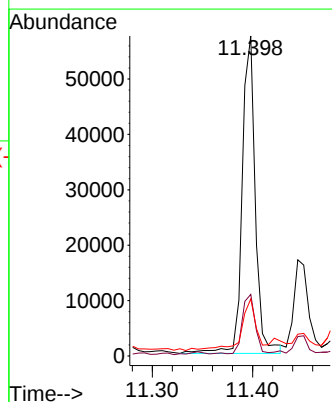
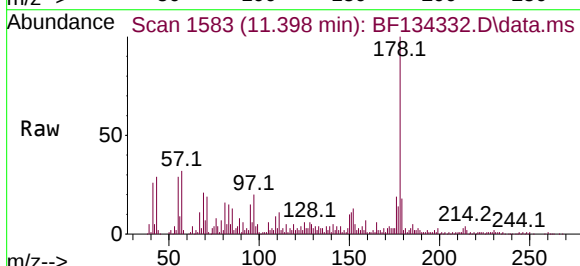
Tgt Ion:178 Resp: 52224

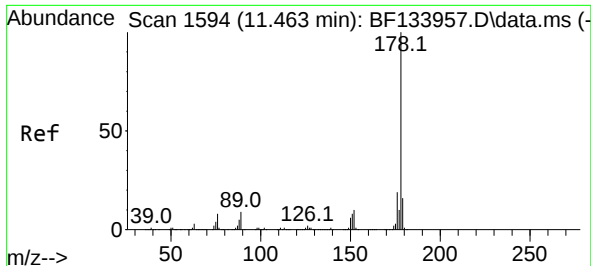
Ion Ratio Lower Upper

178 100

176 19.2 16.0 24.0

179 17.8 12.4 18.6

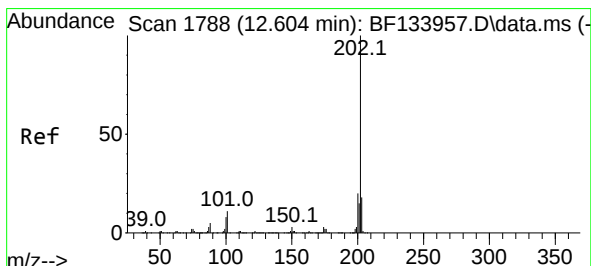
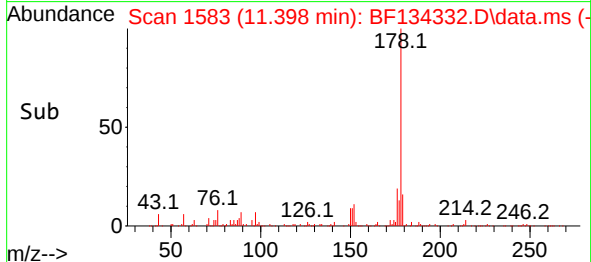
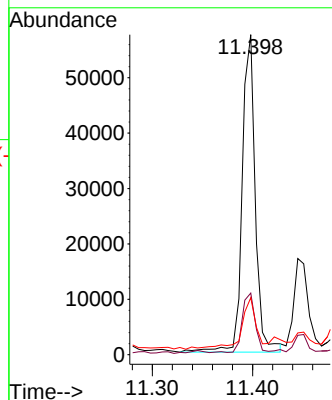
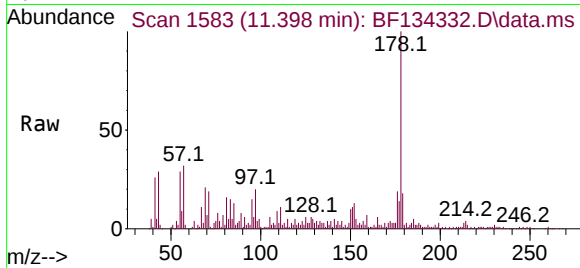




#72
 Anthracene
 Concen: 5.634 ng
 RT: 11.398 min Scan# 11
 Delta R.T. -0.059 min
 Lab File: BF134332.D
 Acq: 18 Jul 2023 00:17

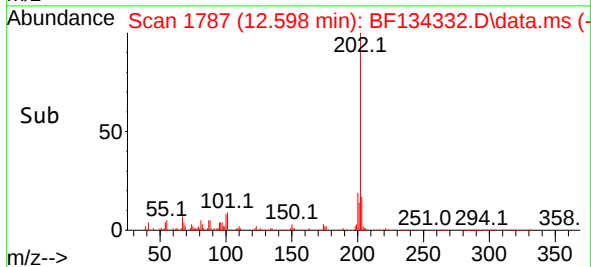
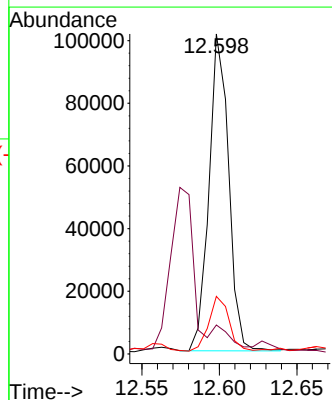
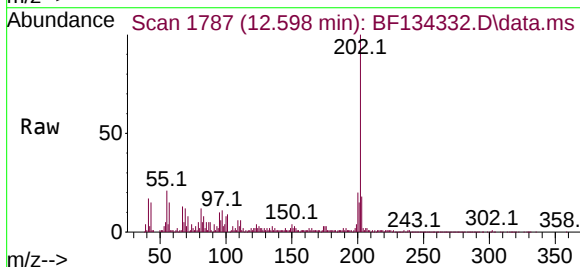
Instrument :
 BNA_F
 ClientSampleId :
 TR-4-071323

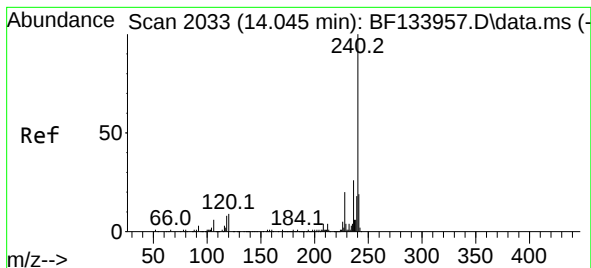
Tgt Ion:178 Resp: 52224
 Ion Ratio Lower Upper
 178 100
 176 19.2 15.3 22.9
 179 17.8 12.4 18.6



#75
 Fluoranthene
 Concen: 9.281 ng
 RT: 12.598 min Scan# 1787
 Delta R.T. 0.000 min
 Lab File: BF134332.D
 Acq: 18 Jul 2023 00:17

Tgt Ion:202 Resp: 89422
 Ion Ratio Lower Upper
 202 100
 101 9.0 0.0 31.0
 203 18.0 0.0 37.6





#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.039 min Scan# 2033

Delta R.T. 0.000 min

Lab File: BF134332.D

Acq: 18 Jul 2023 00:17

Instrument :

BNA_F

ClientSampleId :

TR-4-071323

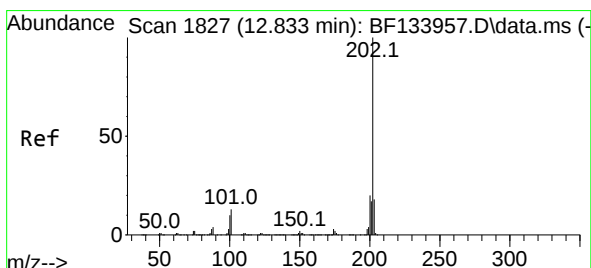
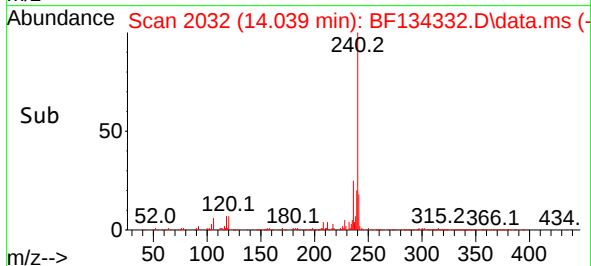
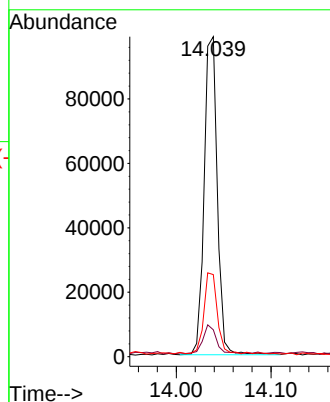
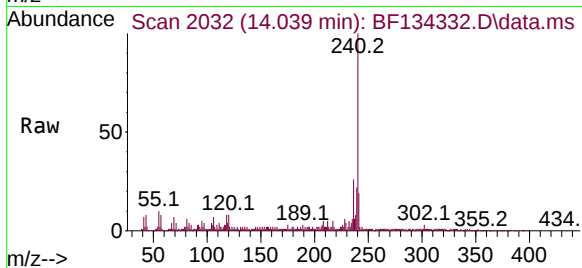
Tgt Ion:240 Resp: 94980

Ion Ratio Lower Upper

240 100

120 8.4 7.4 11.0

236 25.6 21.0 31.6



#78

Pyrene

Concen: 9.046 ng

RT: 12.833 min Scan# 1827

Delta R.T. 0.000 min

Lab File: BF134332.D

Acq: 18 Jul 2023 00:17

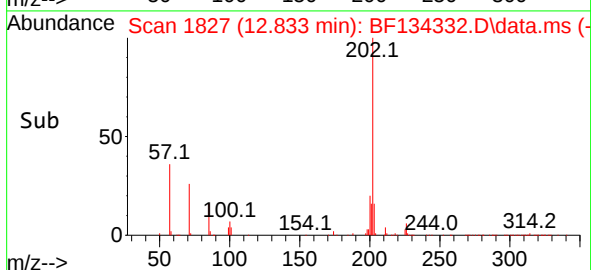
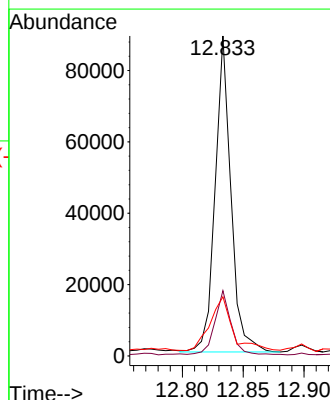
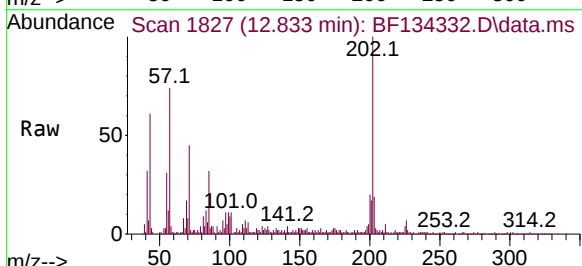
Tgt Ion:202 Resp: 79961

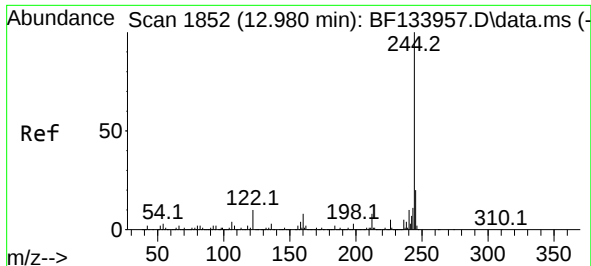
Ion Ratio Lower Upper

202 100

200 20.4 16.1 24.1

203 18.5 14.3 21.5

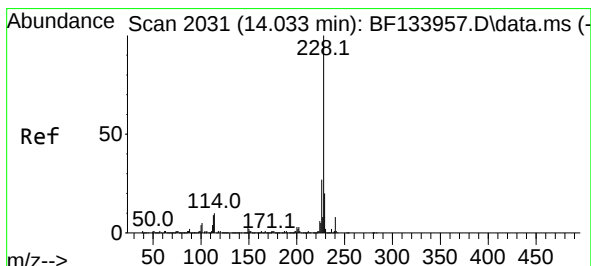
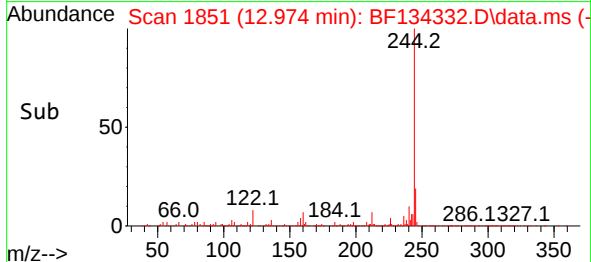
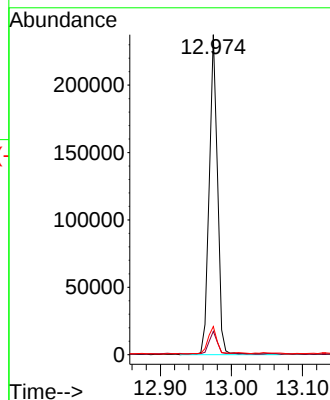
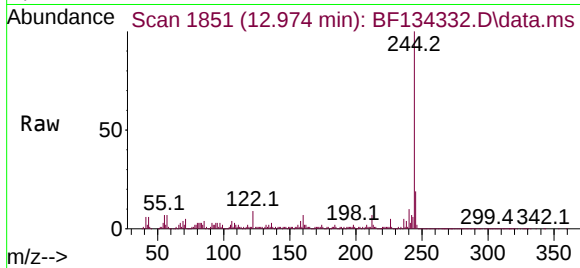




#79
 Terphenyl-d14
 Concen: 32.974 ng
 RT: 12.974 min Scan# 1852
 Delta R.T. 0.000 min
 Lab File: BF134332.D
 Acq: 18 Jul 2023 00:17

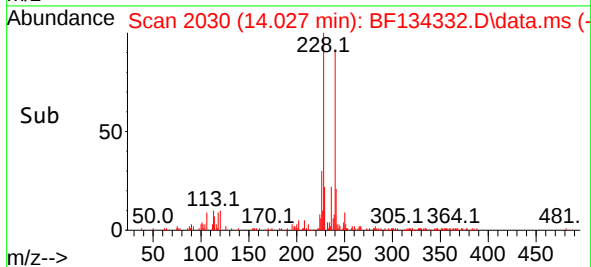
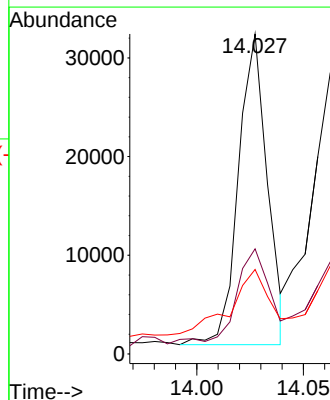
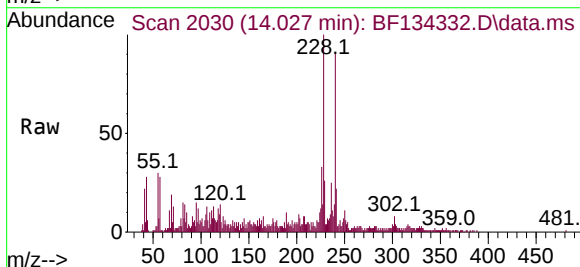
Instrument :
 BNA_F
 ClientSampleId :
 TR-4-071323

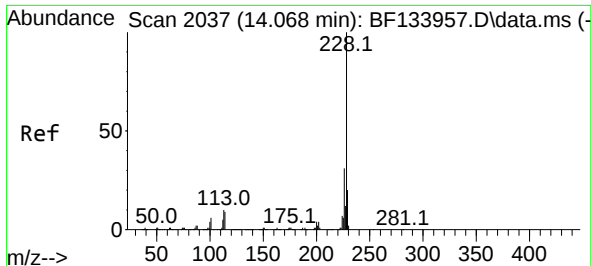
Tgt Ion:244 Resp: 194595
 Ion Ratio Lower Upper
 244 100
 212 7.3 6.0 9.0
 122 8.8 8.3 12.5



#81
 Benzo(a)anthracene
 Concen: 4.520 ng
 RT: 14.027 min Scan# 2030
 Delta R.T. 0.000 min
 Lab File: BF134332.D
 Acq: 18 Jul 2023 00:17

Tgt Ion:228 Resp: 29773
 Ion Ratio Lower Upper
 228 100
 226 32.9 22.0 33.0
 229 26.4 16.3 24.5#

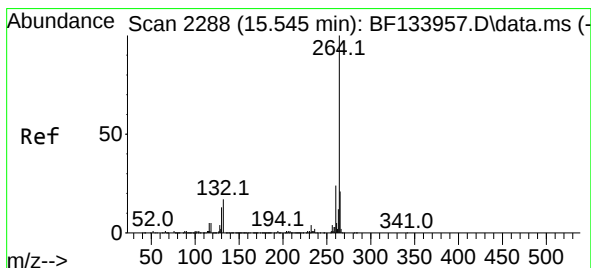
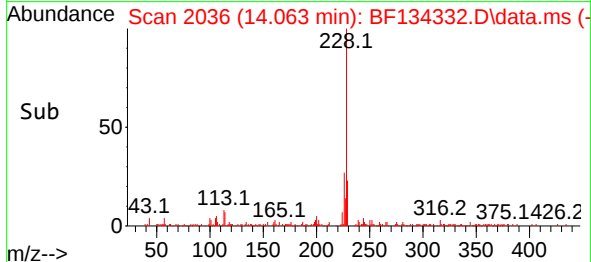
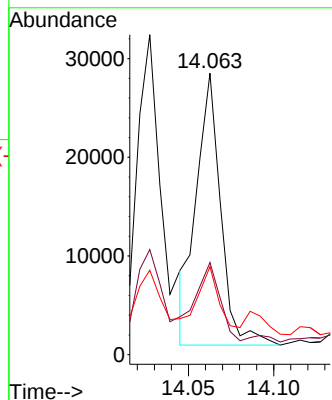
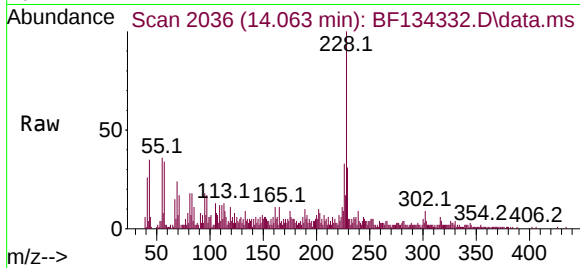




#83
Chrysene
Concen: 4.298 ng
RT: 14.063 min Scan# 2037
Delta R.T. -0.006 min
Lab File: BF134332.D
Acq: 18 Jul 2023 00:17

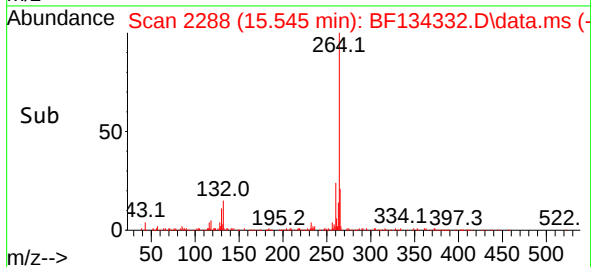
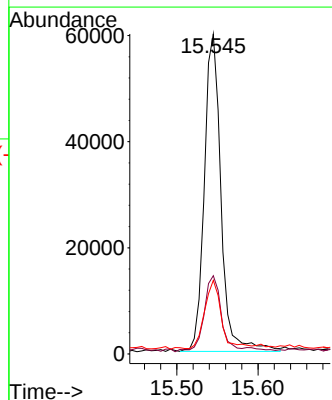
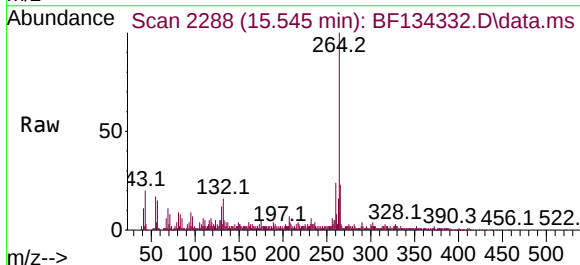
Instrument :
BNA_F
ClientSampleId :
TR-4-071323

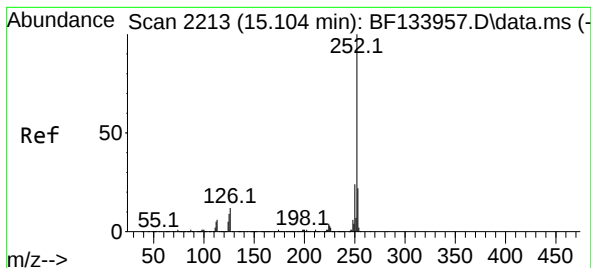
Tgt Ion:228 Resp: 27422
Ion Ratio Lower Upper
228 100
226 32.7 24.4 36.6
229 31.3 16.1 24.1#



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.545 min Scan# 2288
Delta R.T. 0.000 min
Lab File: BF134332.D
Acq: 18 Jul 2023 00:17

Tgt Ion:264 Resp: 85411
Ion Ratio Lower Upper
264 100
260 24.4 19.5 29.3
265 23.0 16.6 25.0





#88

Benzo(b)fluoranthene

Concen: 8.733 ng

RT: 15.098 min Scan# 2212

Delta R.T. -0.006 min

Lab File: BF134332.D

Acq: 18 Jul 2023 00:17

Instrument :

BNA_F

ClientSampleId :

TR-4-071323

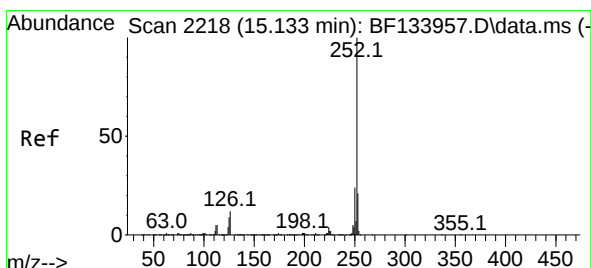
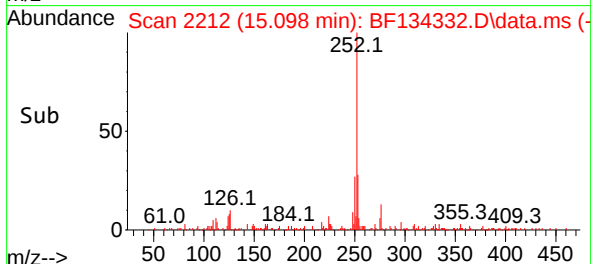
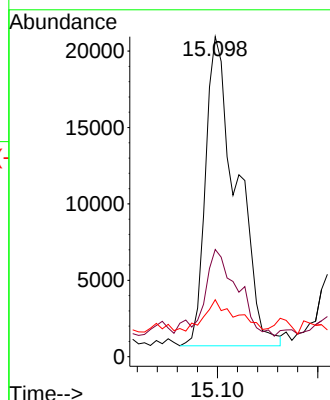
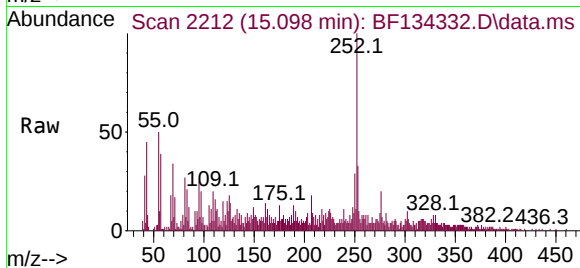
Tgt Ion:252 Resp: 43858

Ion Ratio Lower Upper

252 100

253 33.5 17.4 26.0#

125 17.8 7.1 10.7#



#89

Benzo(k)fluoranthene

Concen: 8.577 ng

RT: 15.098 min Scan# 2212

Delta R.T. -0.035 min

Lab File: BF134332.D

Acq: 18 Jul 2023 00:17

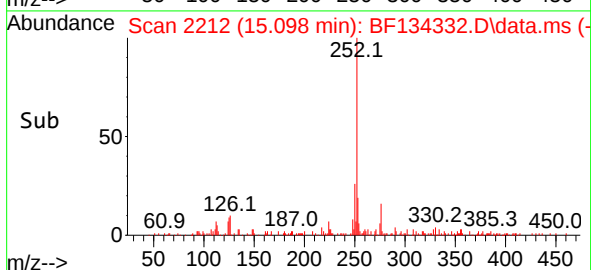
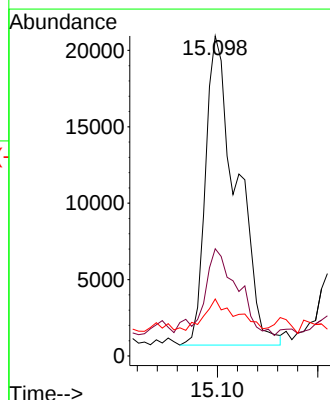
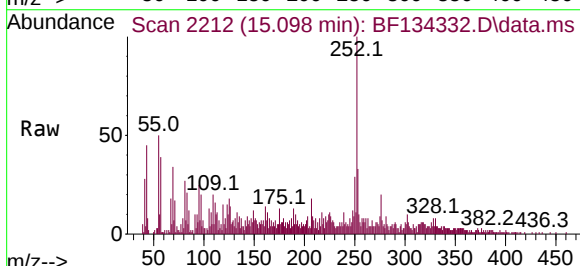
Tgt Ion:252 Resp: 43858

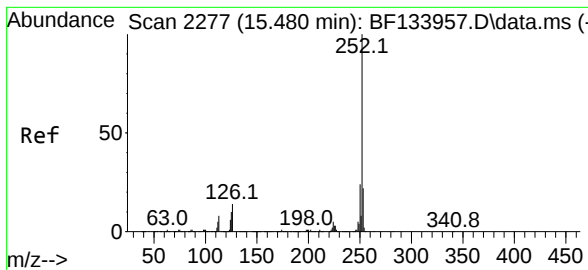
Ion Ratio Lower Upper

252 100

253 33.5 16.9 25.3#

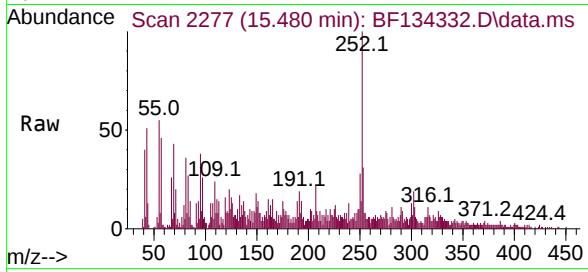
125 17.8 7.4 11.2#





#90
 Benzo(a)pyrene
 Concen: 4.546 ng
 RT: 15.480 min Scan# 21
 Delta R.T. 0.000 min
 Lab File: BF134332.D
 Acq: 18 Jul 2023 00:17

Instrument :
 BNA_F
 ClientSampleId :
 TR-4-071323



Tgt Ion:	252	Resp:	22075
Ion Ratio	Lower	Upper	
252	100		
253	31.4	17.4	26.0#
125	16.3	8.4	12.6#

