

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF082523\
 Data File : BF134942.D
 Acq On : 25 Aug 2023 15:52
 Operator : CG\JU
 Sample : 04146-01
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 72-12013

Quant Time: Aug 25 19:57:12 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF082223.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Aug 22 19:33:25 2023
 Response via : Initial Calibration

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

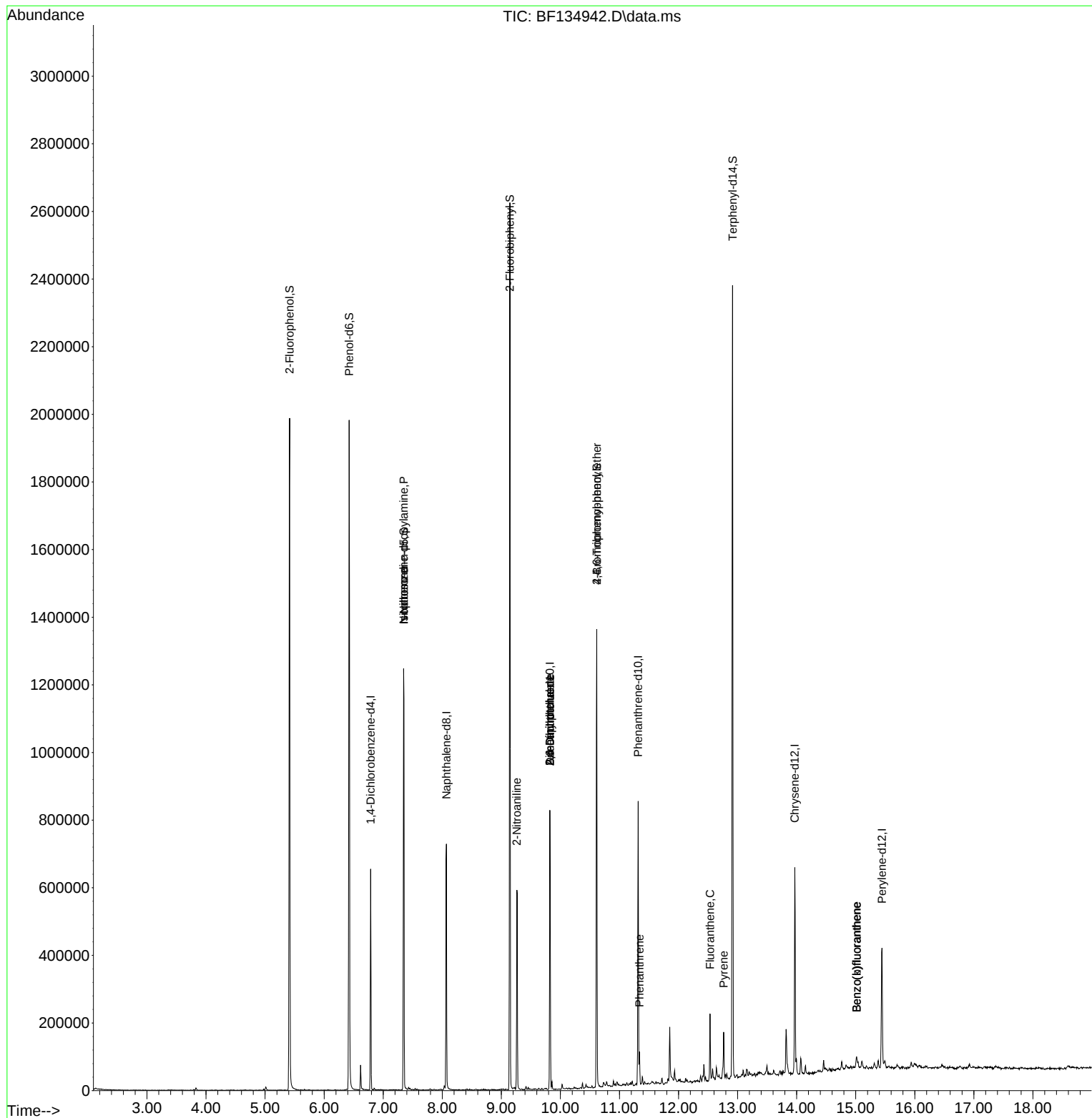
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.787	152	83667	20.000	ng	0.00
21) Naphthalene-d8	8.069	136	319741	20.000	ng	0.00
39) Acenaphthene-d10	9.822	164	153808	20.000	ng	-0.01
64) Phenanthrene-d10	11.316	188	279794	20.000	ng	-0.01
76) Chrysene-d12	13.969	240	191047	20.000	ng	-0.01
86) Perylene-d12	15.445	264	169307	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.416	112	542303	103.360	ng	0.00
7) Phenol-d6	6.422	99	664761	99.154	ng	-0.02
23) Nitrobenzene-d5	7.345	82	389621	67.147	ng	-0.02
42) 2,4,6-Tribromophenol	10.616	330	156138	86.194	ng	-0.01
45) 2-Fluorobiphenyl	9.145	172	710628	71.424	ng	-0.01
79) Terphenyl-d14	12.916	244	811861	58.448	ng	0.00
Target Compounds						Qvalue
19) n-Nitroso-di-n-propyla...	7.345	70	51681	13.199	ng	# 79
20) 3+4-Methylphenols	7.198	107	412	Below Cal		# 29
25) Isophorone	7.345	82	385926	35.618	ng	# 64
48) 2-Nitroaniline	9.263	65	6235	2.092	ng	# 14
50) Dimethylphthalate	9.822	163	27973	2.555	ng	# 1
51) 2,6-Dinitrotoluene	9.822	165	19537	8.091	ng	# 28
57) 2,4-Dinitrotoluene	9.822	165	19537	6.542	ng	# 25
67) 4-Bromophenyl-phenylether	10.616	248	10144	3.143	ng	# 1
71) Phenanthrene	11.339	178	30991	2.114	ng	99
75) Fluoranthene	12.533	202	70295	5.060	ng	98
78) Pyrene	12.763	202	51305	2.533	ng	98
88) Benzo(b)fluoranthene	15.015	252	22718	2.378	ng	# 95
89) Benzo(k)fluoranthene	15.015	252	22718	2.422	ng	# 93

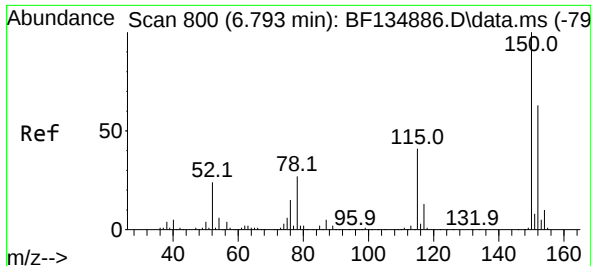
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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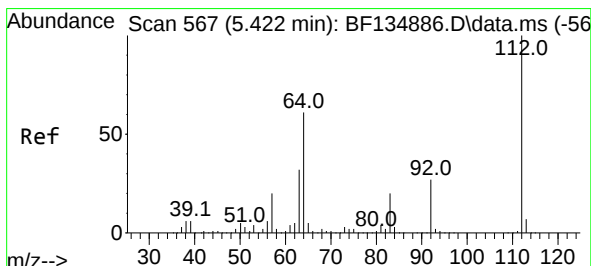
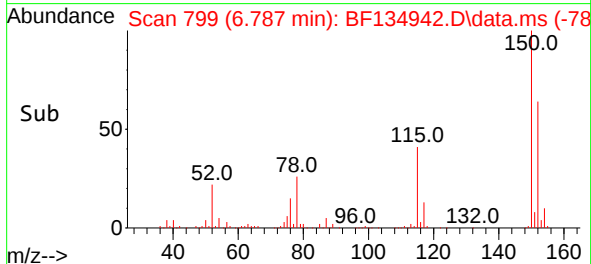
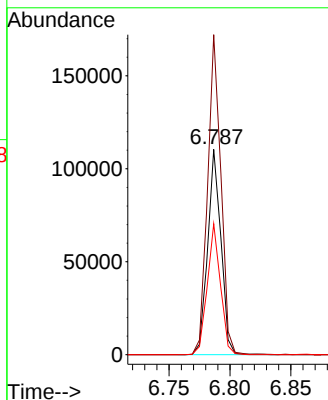
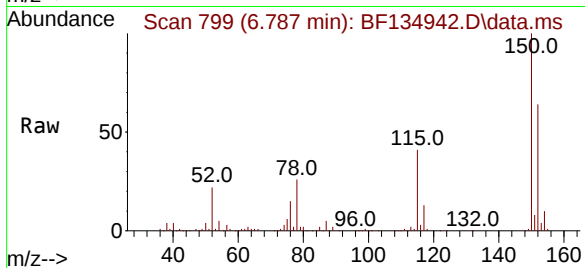




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.787 min Scan# 79
 Delta R.T. -0.006 min
 Lab File: BF134942.D
 Acq: 25 Aug 2023 15:52

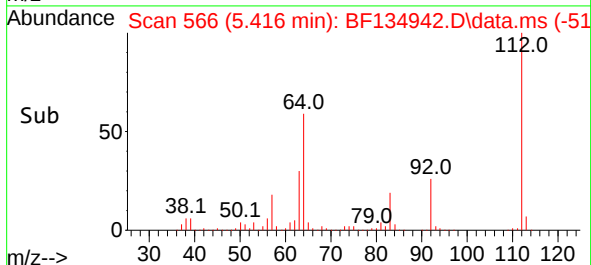
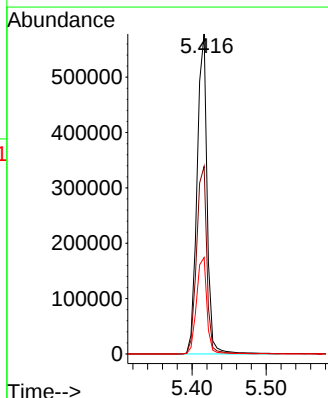
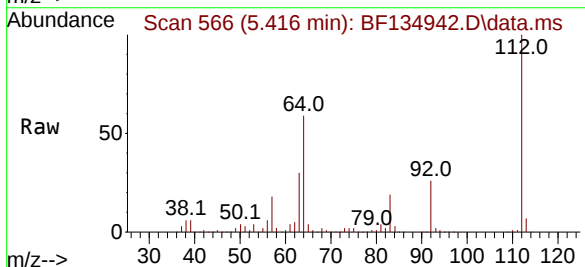
Instrument :
 BNA_F
 ClientSampleId :
 72-12013

Tgt Ion:152 Resp: 83667
 Ion Ratio Lower Upper
 152 100
 150 155.9 126.1 189.1
 115 63.7 51.1 76.7



#5
 2-Fluorophenol
 Concen: 103.360 ng
 RT: 5.416 min Scan# 566
 Delta R.T. -0.006 min
 Lab File: BF134942.D
 Acq: 25 Aug 2023 15:52

Tgt Ion:112 Resp: 542303
 Ion Ratio Lower Upper
 112 100
 64 58.6 48.6 73.0
 63 30.2 25.7 38.5





#7
Phenol-d6
Concen: 99.154 ng
RT: 6.422 min Scan# 71
Delta R.T. -0.018 min
Lab File: BF134942.D
Acq: 25 Aug 2023 15:52

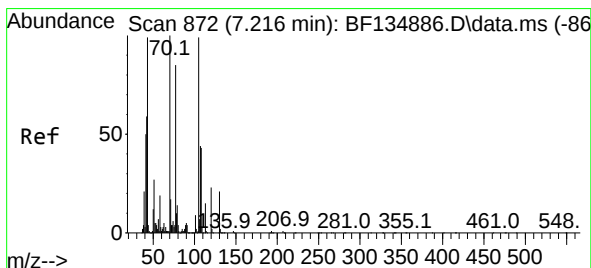
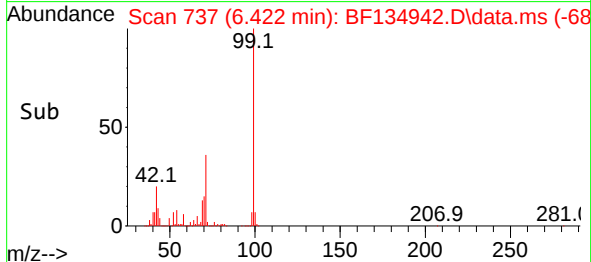
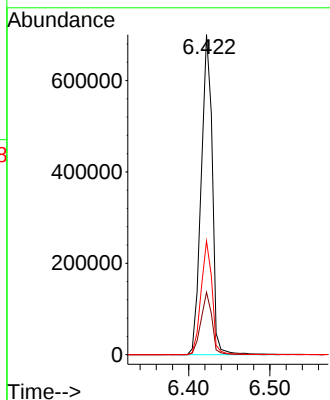
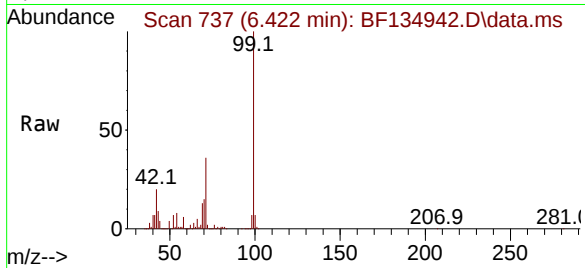
Instrument :

BNA_F

ClientSampleId :

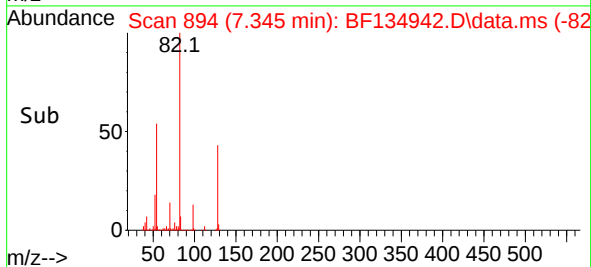
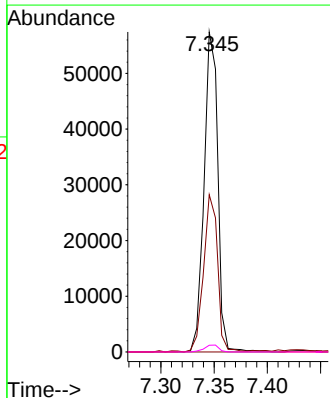
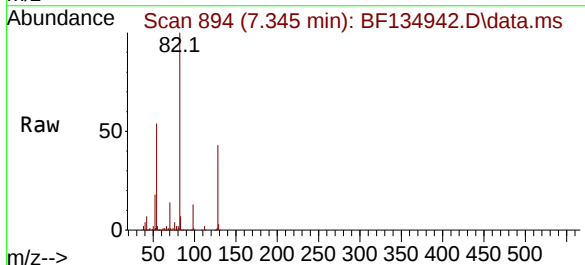
72-12013

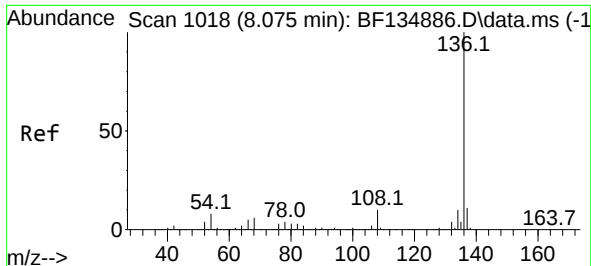
Tgt Ion: 99 Resp: 664761
Ion Ratio Lower Upper
99 100
42 19.5 14.6 22.0
71 35.6 27.6 41.4



#19
n-Nitroso-di-n-propylamine
Concen: 13.199 ng
RT: 7.345 min Scan# 894
Delta R.T. 0.129 min
Lab File: BF134942.D
Acq: 25 Aug 2023 15:52

Tgt Ion: 70 Resp: 51681
Ion Ratio Lower Upper
70 100
42 49.1 46.9 70.3
101 0.0 7.5 11.3#
130 2.1 16.9 25.3#

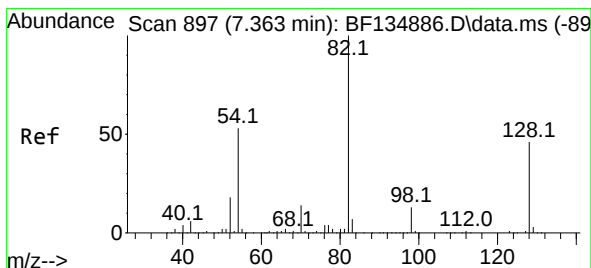
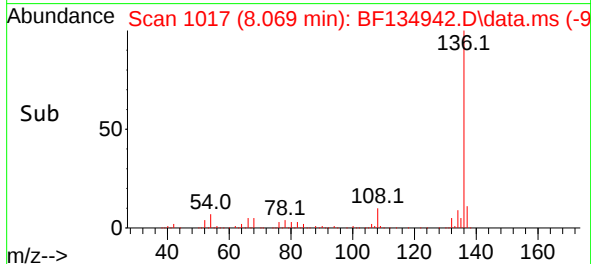
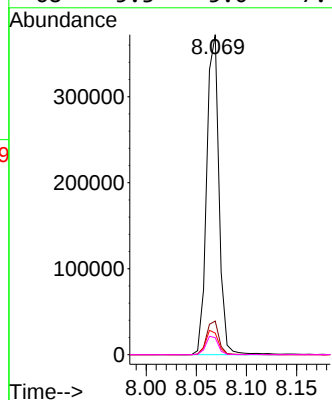
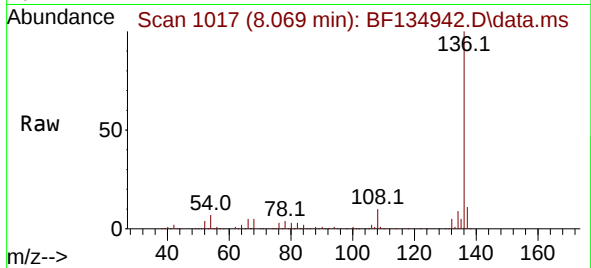




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.069 min Scan# 1018
Delta R.T. -0.006 min
Lab File: BF134942.D
Acq: 25 Aug 2023 15:52

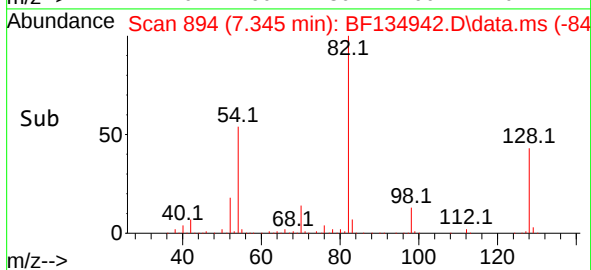
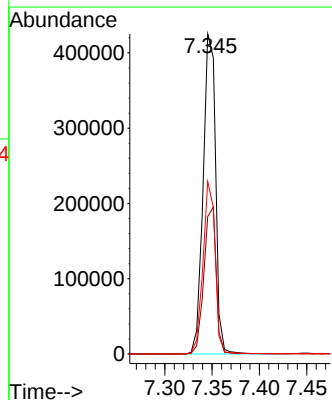
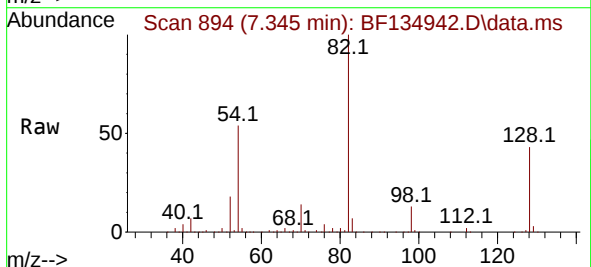
Instrument :
BNA_F
ClientSampleId :
72-12013

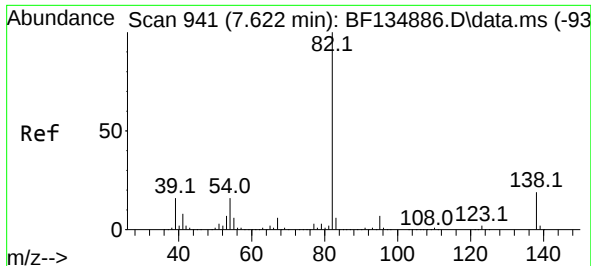
Tgt Ion:	136	Resp:	319741
Ion	Ratio	Lower	Upper
136	100		
137	10.5	8.9	13.3
54	6.7	6.6	9.8
68	5.3	5.0	7.4



#23
Nitrobenzene-d5
Concen: 67.147 ng
RT: 7.345 min Scan# 894
Delta R.T. -0.018 min
Lab File: BF134942.D
Acq: 25 Aug 2023 15:52

Tgt Ion:	82	Resp:	389621
Ion	Ratio	Lower	Upper
82	100		
128	42.9	36.6	54.8
54	53.8	42.6	63.8

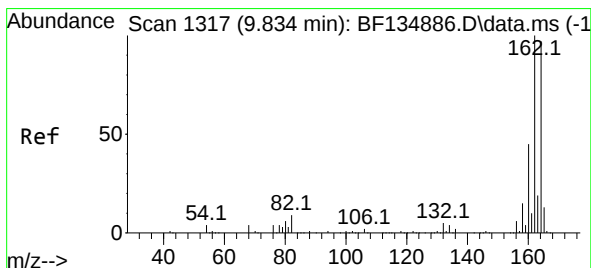
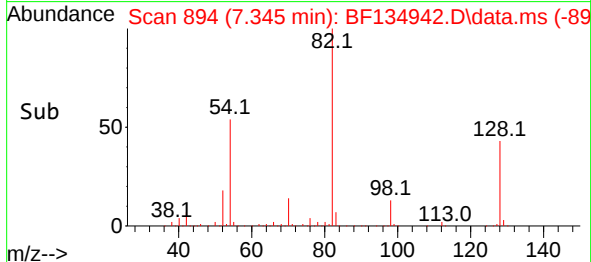
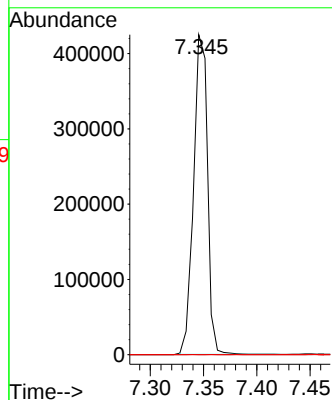
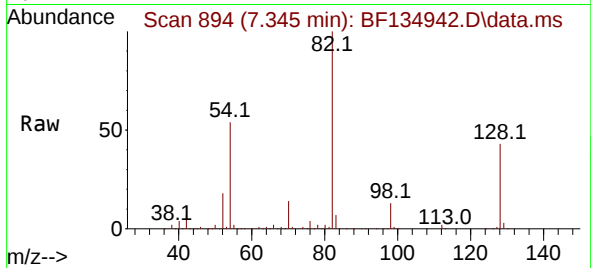




#25
Isophorone
Concen: 35.618 ng
RT: 7.345 min Scan# 89
Delta R.T. -0.276 min
Lab File: BF134942.D
Acq: 25 Aug 2023 15:52

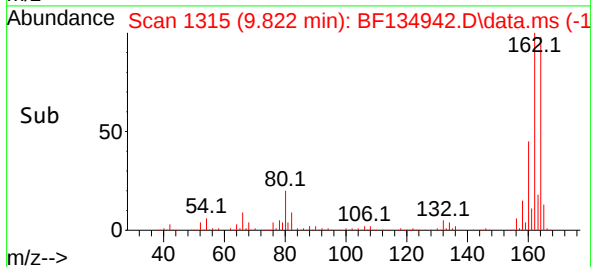
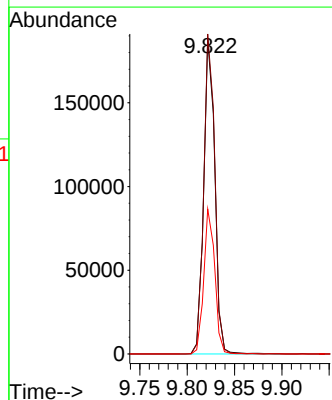
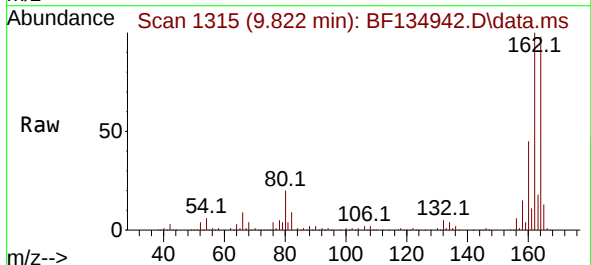
Instrument :
BNA_F
ClientSampleId :
72-12013

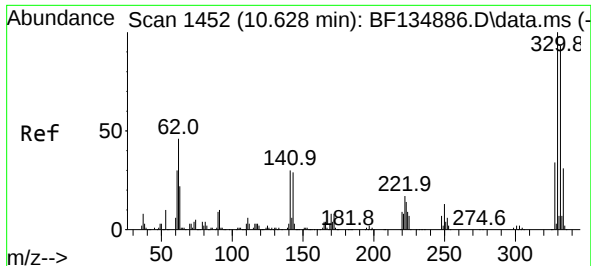
Tgt Ion: 82 Resp: 385926
Ion Ratio Lower Upper
82 100
95 0.0 5.9 8.9#
138 0.0 14.9 22.3#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.822 min Scan# 1315
Delta R.T. -0.012 min
Lab File: BF134942.D
Acq: 25 Aug 2023 15:52

Tgt Ion:164 Resp: 153808
Ion Ratio Lower Upper
164 100
162 101.7 82.6 123.8
160 46.1 37.0 55.4





#42

2,4,6-Tribromophenol

Concen: 86.194 ng

RT: 10.616 min Scan# 1450

Delta R.T. -0.012 min

Lab File: BF134942.D

Acq: 25 Aug 2023 15:52

Instrument :

BNA_F

ClientSampleId :

72-12013

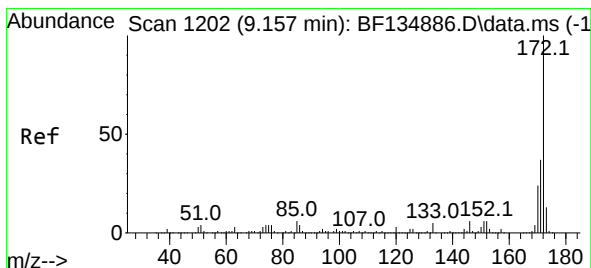
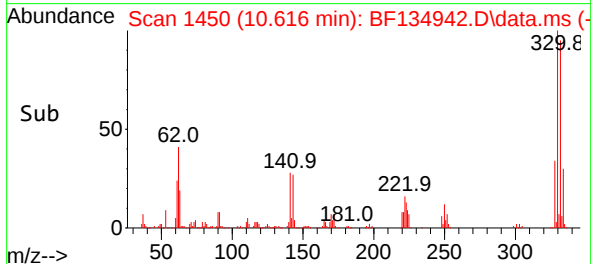
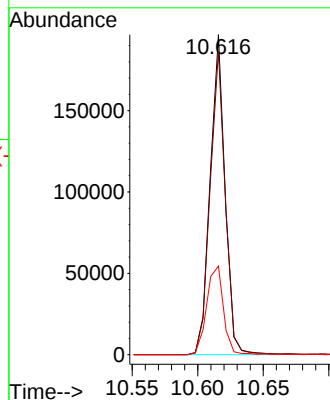
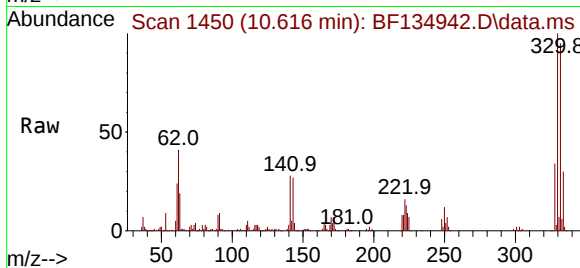
Tgt Ion:330 Resp: 156138

Ion Ratio Lower Upper

330 100

332 96.5 76.3 114.5

141 31.4 23.4 35.2



#45

2-Fluorobiphenyl

Concen: 71.424 ng

RT: 9.145 min Scan# 1200

Delta R.T. -0.012 min

Lab File: BF134942.D

Acq: 25 Aug 2023 15:52

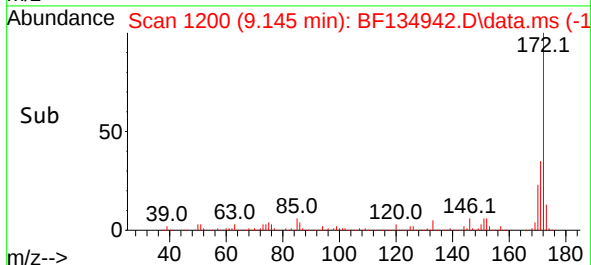
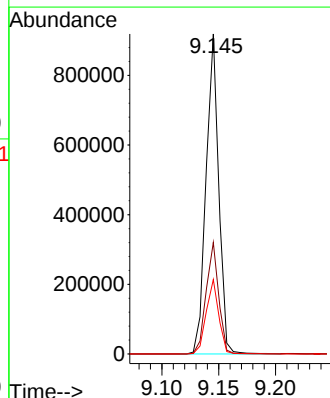
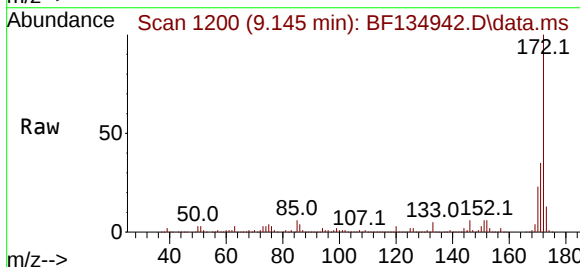
Tgt Ion:172 Resp: 710628

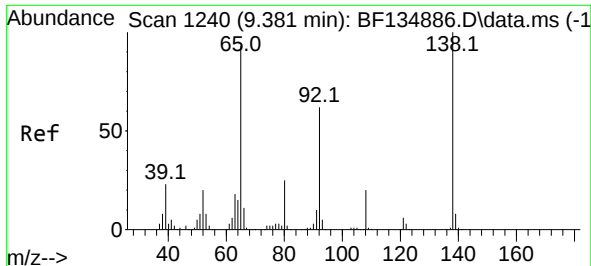
Ion Ratio Lower Upper

172 100

171 34.9 29.4 44.0

170 23.3 19.6 29.4





#48

2-Nitroaniline

Concen: 2.092 ng

RT: 9.263 min Scan# 11

Delta R.T. -0.118 min

Lab File: BF134942.D

Acq: 25 Aug 2023 15:52

Instrument :

BNA_F

ClientSampleId :

72-12013

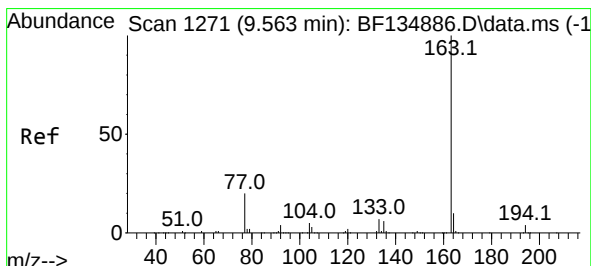
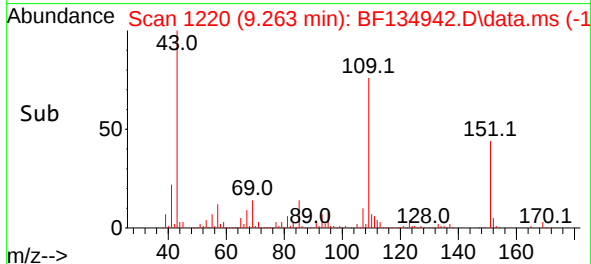
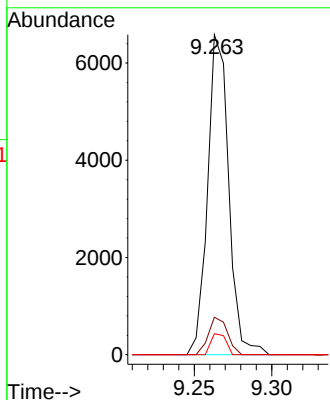
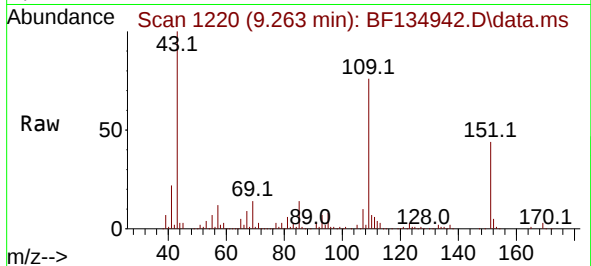
Tgt Ion: 65 Resp: 6235

Ion Ratio Lower Upper

65 100

92 11.7 53.8 80.8#

138 6.6 86.5 129.7#



#50

Dimethylphthalate

Concen: 2.555 ng

RT: 9.822 min Scan# 1315

Delta R.T. 0.259 min

Lab File: BF134942.D

Acq: 25 Aug 2023 15:52

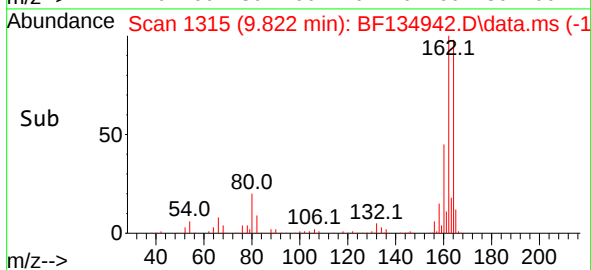
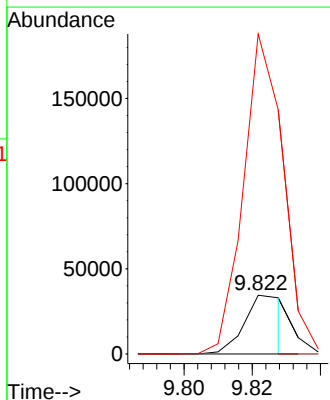
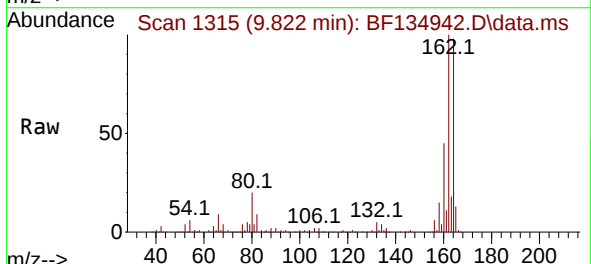
Tgt Ion:163 Resp: 27973

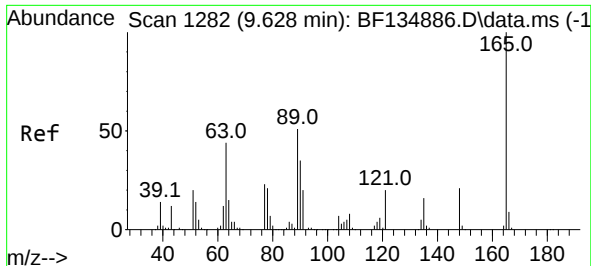
Ion Ratio Lower Upper

163 100

194 0.0 3.2 4.8#

164 544.6 8.2 12.4#





#51

2,6-Dinitrotoluene

Concen: 8.091 ng

RT: 9.822 min Scan# 1315

Delta R.T. 0.194 min

Lab File: BF134942.D

Acq: 25 Aug 2023 15:52

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72-12013

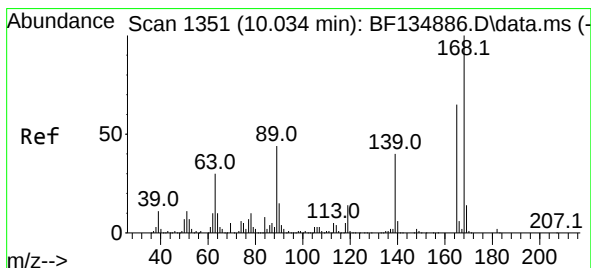
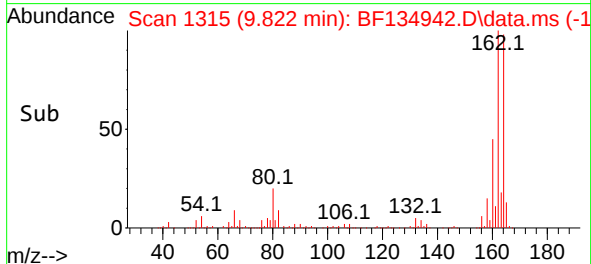
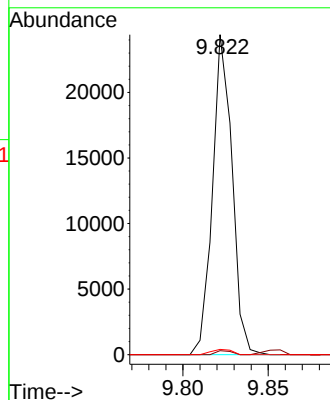
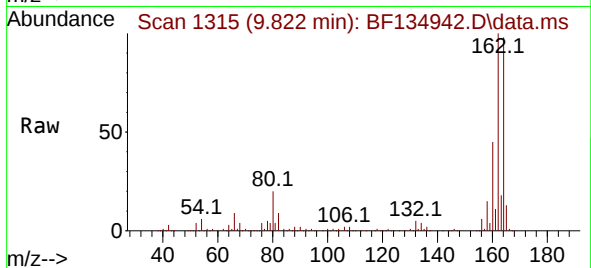
Tgt Ion:165 Resp: 19537

Ion Ratio Lower Upper

165 100

63 1.2 41.4 62.2#

89 1.7 40.9 61.3#



#57

2,4-Dinitrotoluene

Concen: 6.542 ng

RT: 9.822 min Scan# 1315

Delta R.T. -0.212 min

Lab File: BF134942.D

Acq: 25 Aug 2023 15:52

Tgt Ion:165 Resp: 19537

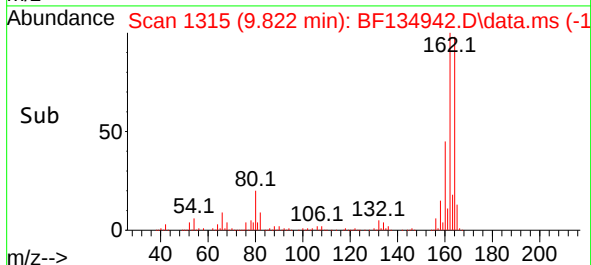
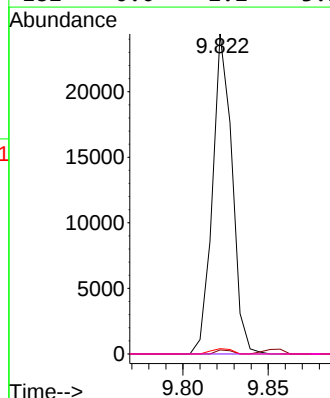
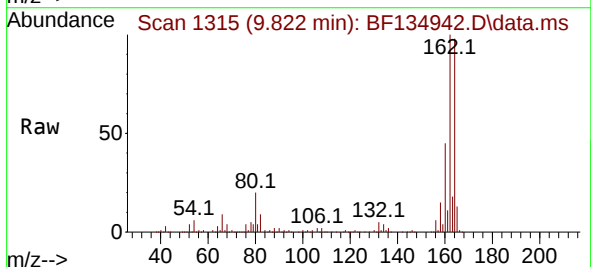
Ion Ratio Lower Upper

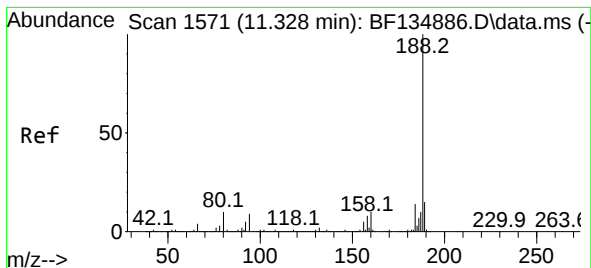
165 100

63 1.2 37.7 56.5#

89 1.7 54.2 81.4#

182 0.0 2.2 3.2#





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.316 min Scan# 1

Delta R.T. -0.012 min

Lab File: BF134942.D

Acq: 25 Aug 2023 15:52

Instrument :

BNA_F

ClientSampleId :

72-12013

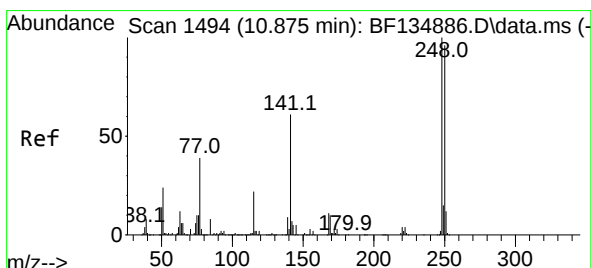
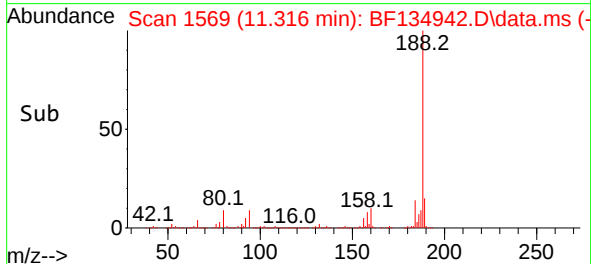
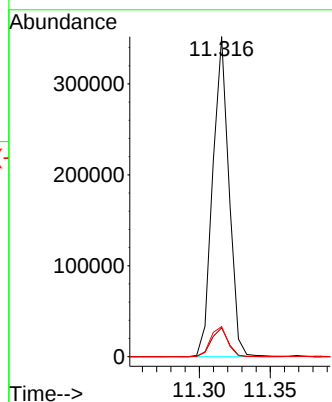
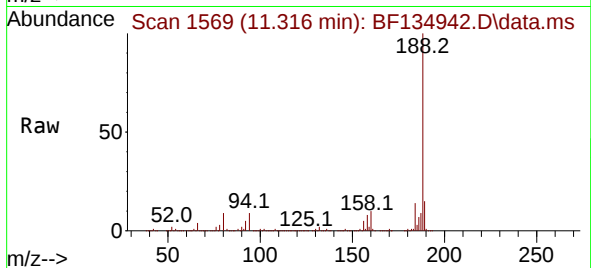
Tgt Ion:188 Resp: 279794

Ion Ratio Lower Upper

188 100

94 9.0 7.5 11.3

80 9.4 7.8 11.6



#67

4-Bromophenyl-phenylether

Concen: 3.143 ng

RT: 10.616 min Scan# 1450

Delta R.T. -0.259 min

Lab File: BF134942.D

Acq: 25 Aug 2023 15:52

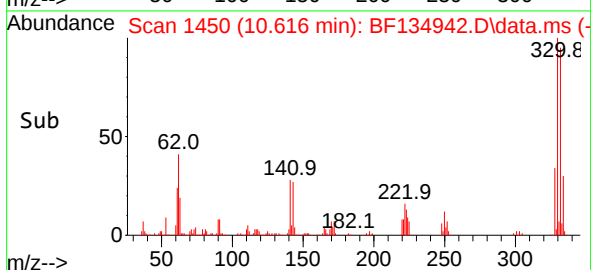
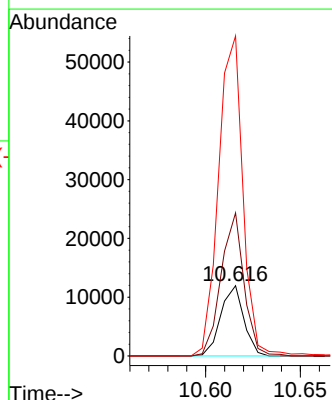
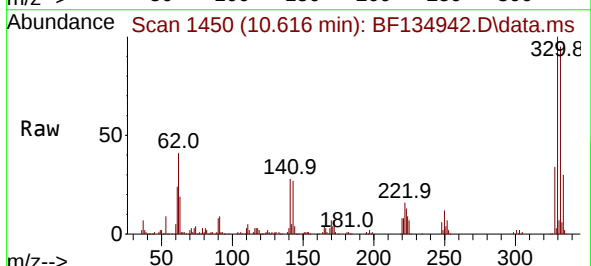
Tgt Ion:248 Resp: 10144

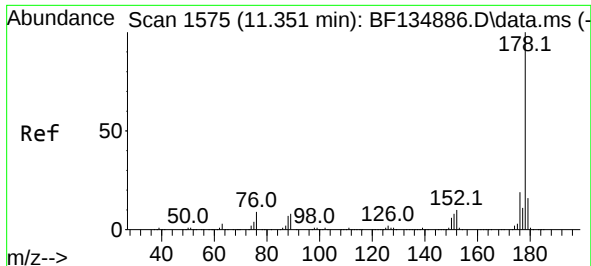
Ion Ratio Lower Upper

248 100

250 203.8 77.1 115.7#

141 455.8 49.0 73.4#

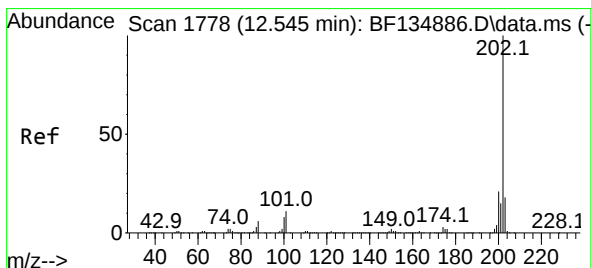
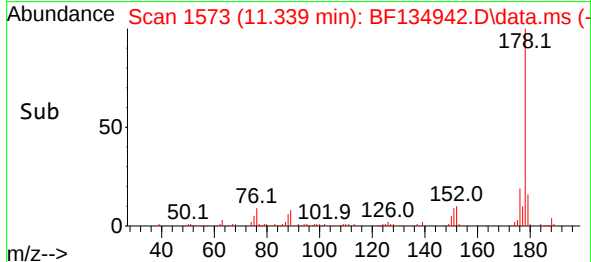
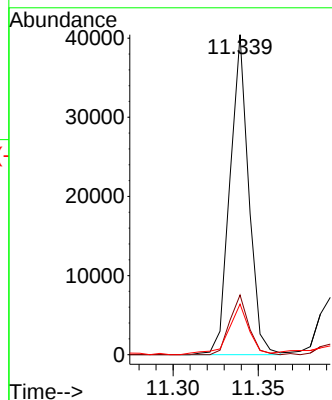
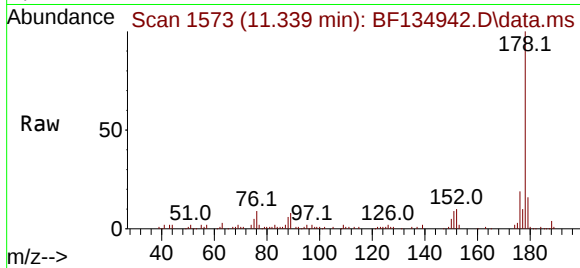




#71
Phenanthrene
Concen: 2.114 ng
RT: 11.339 min Scan# 11
Delta R.T. -0.012 min
Lab File: BF134942.D
Acq: 25 Aug 2023 15:52

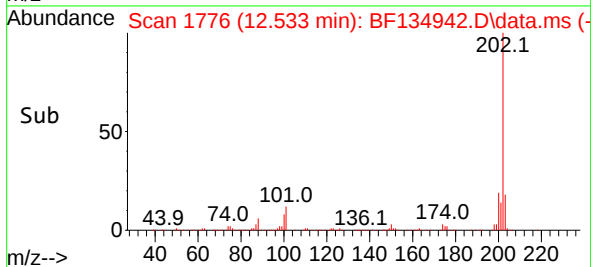
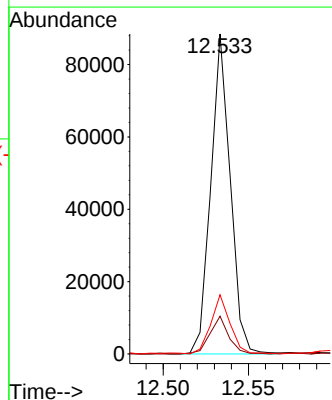
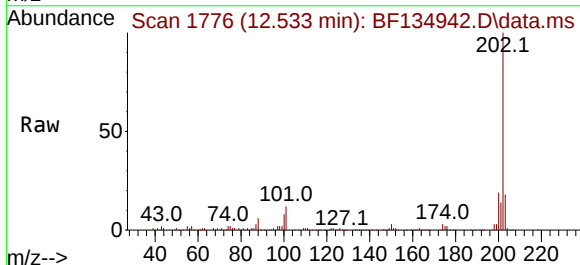
Instrument :
BNA_F
ClientSampleId :
72-12013

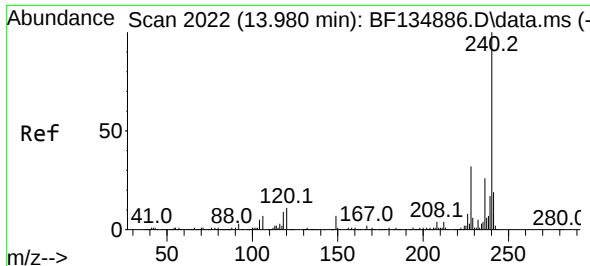
Tgt Ion:178 Resp: 30991
Ion Ratio Lower Upper
178 100
176 18.7 15.5 23.3
179 15.8 12.6 19.0



#75
Fluoranthene
Concen: 5.060 ng
RT: 12.533 min Scan# 1776
Delta R.T. -0.012 min
Lab File: BF134942.D
Acq: 25 Aug 2023 15:52

Tgt Ion:202 Resp: 70295
Ion Ratio Lower Upper
202 100
101 11.8 0.0 30.5
203 18.5 0.0 37.8

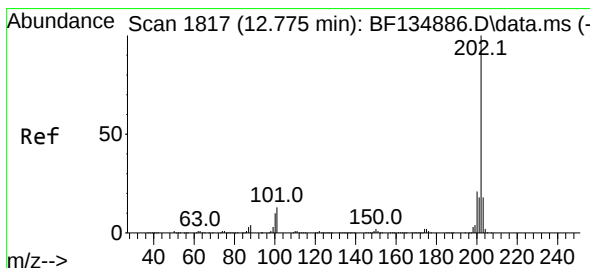
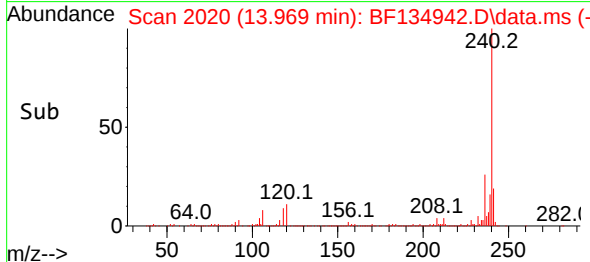
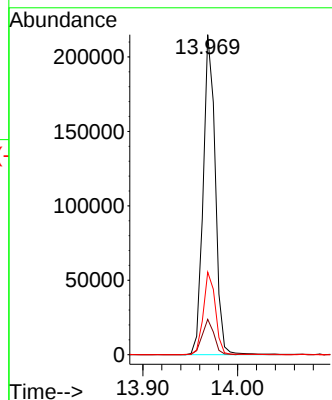
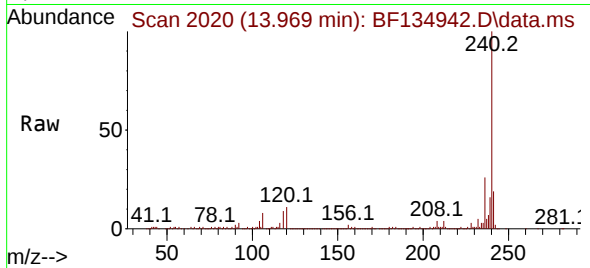




#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.969 min Scan# 20
Delta R.T. -0.012 min
Lab File: BF134942.D
Acq: 25 Aug 2023 15:52

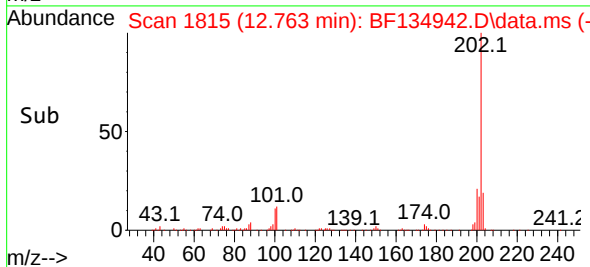
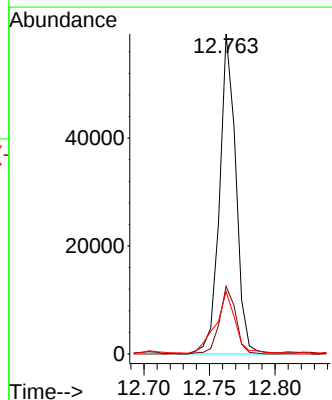
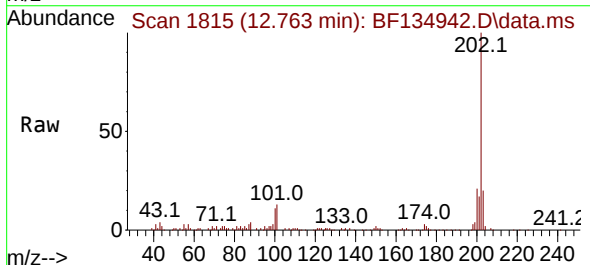
Instrument :
BNA_F
ClientSampleId :
72-12013

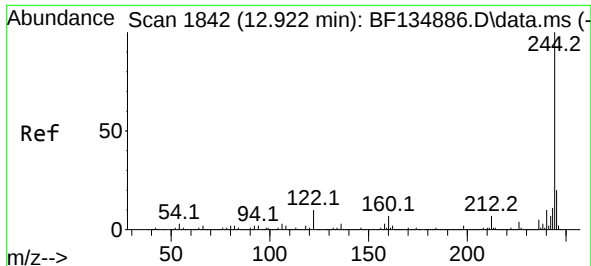
Tgt Ion:240 Resp: 191047
Ion Ratio Lower Upper
240 100
120 11.1 8.6 12.8
236 25.8 20.6 31.0



#78
Pyrene
Concen: 2.533 ng
RT: 12.763 min Scan# 1815
Delta R.T. -0.012 min
Lab File: BF134942.D
Acq: 25 Aug 2023 15:52

Tgt Ion:202 Resp: 51305
Ion Ratio Lower Upper
202 100
200 21.2 17.1 25.7
203 19.5 14.2 21.2

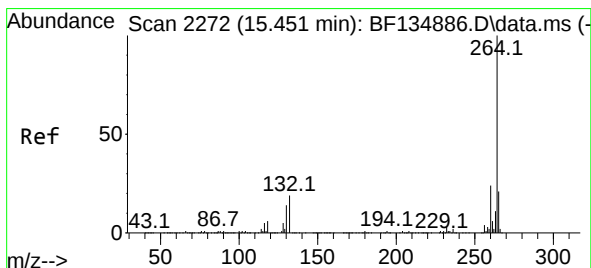
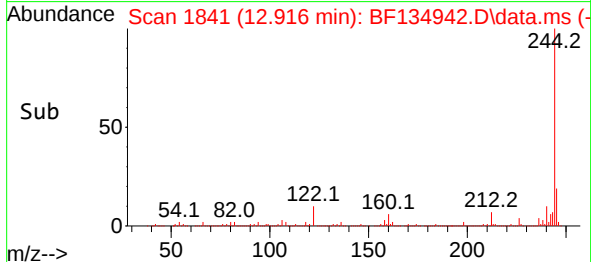
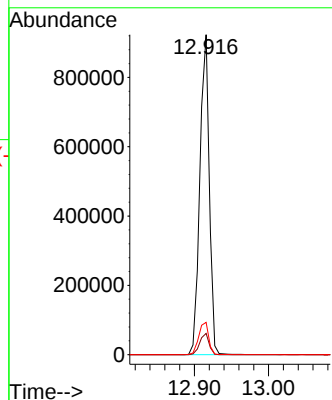
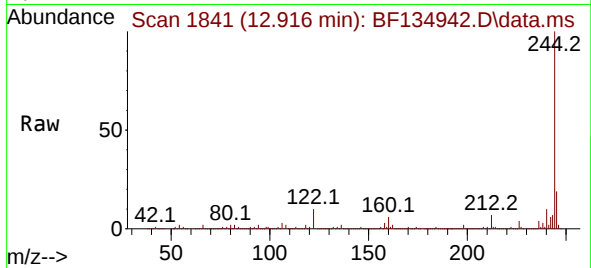




#79
 Terphenyl-d14
 Concen: 58.448 ng
 RT: 12.916 min Scan# 1841
 Delta R.T. -0.006 min
 Lab File: BF134942.D
 Acq: 25 Aug 2023 15:52

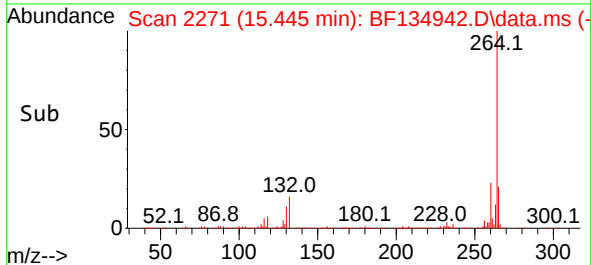
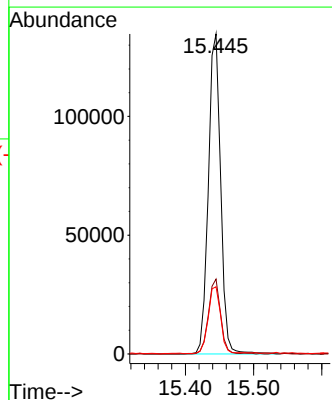
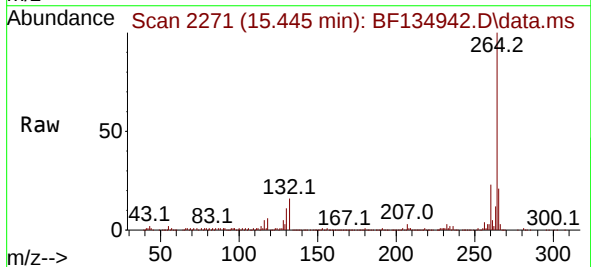
Instrument :
 BNA_F
 ClientSampleId :
 72-12013

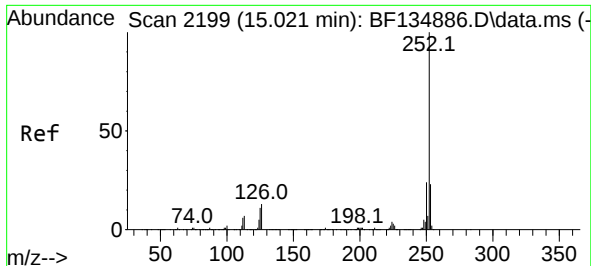
Tgt Ion:244 Resp: 811861
 Ion Ratio Lower Upper
 244 100
 212 6.6 5.4 8.0
 122 10.1 8.2 12.4



#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.445 min Scan# 2271
 Delta R.T. -0.006 min
 Lab File: BF134942.D
 Acq: 25 Aug 2023 15:52

Tgt Ion:264 Resp: 169307
 Ion Ratio Lower Upper
 264 100
 260 23.4 19.0 28.6
 265 21.0 17.1 25.7

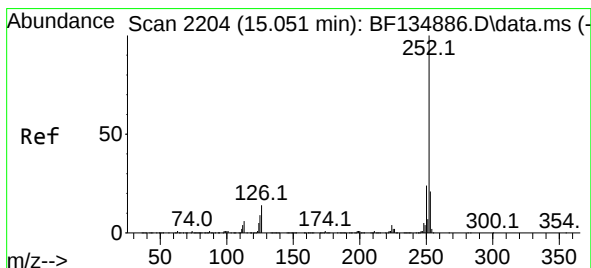
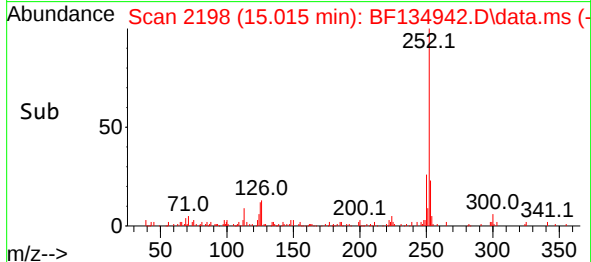
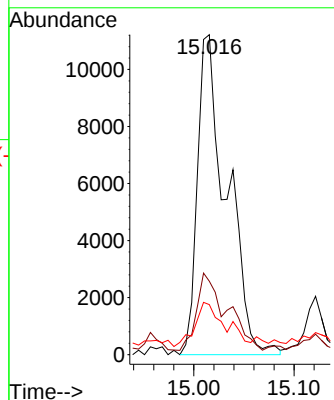
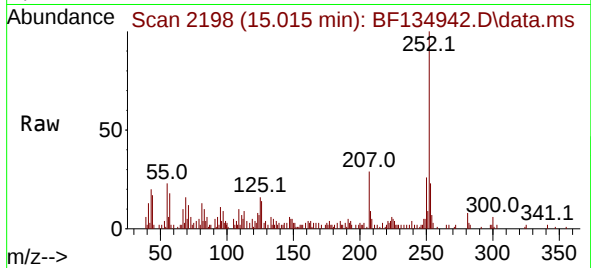




#88
Benzo(b)fluoranthene
Concen: 2.378 ng
RT: 15.015 min Scan# 2199
Delta R.T. -0.006 min
Lab File: BF134942.D
Acq: 25 Aug 2023 15:52

Instrument :
BNA_F
ClientSampleId :
72-12013

Tgt Ion:252 Resp: 22718
Ion Ratio Lower Upper
252 100
253 23.0 18.1 27.1
125 15.7 8.4 12.6#



#89
Benzo(k)fluoranthene
Concen: 2.422 ng
RT: 15.015 min Scan# 2198
Delta R.T. -0.035 min
Lab File: BF134942.D
Acq: 25 Aug 2023 15:52

Tgt Ion:252 Resp: 22718
Ion Ratio Lower Upper
252 100
253 23.0 17.1 25.7
125 15.7 8.0 12.0#

