

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF082923\
 Data File : BF134993.D
 Acq On : 29 Aug 2023 20:15
 Operator : CG\JU
 Sample : 04188-04
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 WC-6

Quant Time: Aug 29 22:29:27 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF082223.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Aug 28 02:45:19 2023
 Response via : Initial Calibration

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

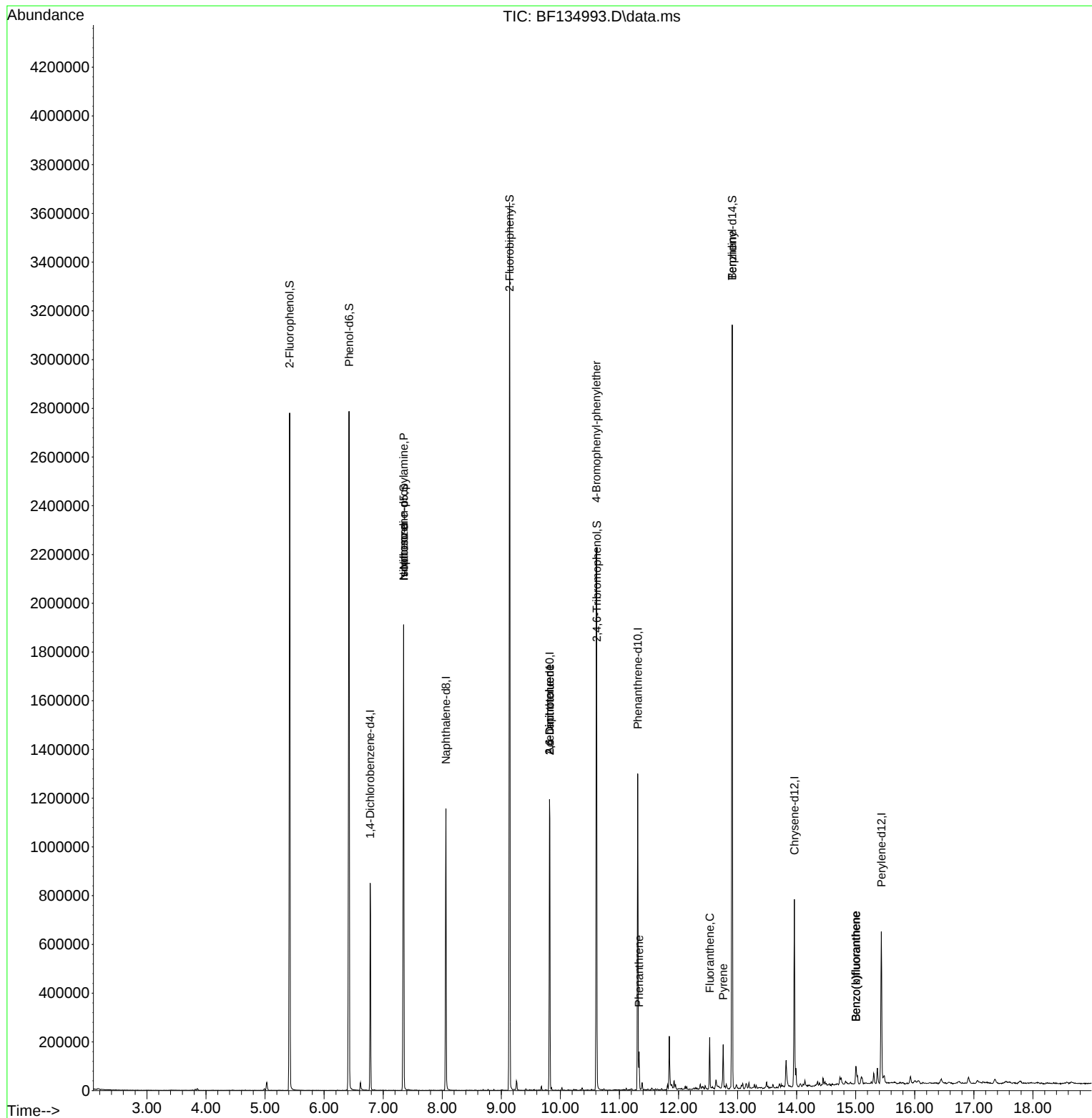
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.781	152	120620	20.000	ng	-0.01
21) Naphthalene-d8	8.063	136	488589	20.000	ng	-0.01
39) Acenaphthene-d10	9.816	164	250364	20.000	ng	-0.02
64) Phenanthrene-d10	11.310	188	440680	20.000	ng	-0.02
76) Chrysene-d12	13.962	240	227043	20.000	ng	-0.02
86) Perylene-d12	15.433	264	268004	20.000	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.416	112	775009	102.460	ng	0.00
7) Phenol-d6	6.422	99	976937	101.076	ng	-0.02
23) Nitrobenzene-d5	7.345	82	611023	68.912	ng	-0.02
42) 2,4,6-Tribromophenol	10.616	330	269183	91.290	ng	-0.01
45) 2-Fluorobiphenyl	9.139	172	1134405	70.045	ng	-0.02
79) Terphenyl-d14	12.910	244	1073069	65.005	ng	-0.01
Target Compounds						
						Qvalue
19) n-Nitroso-di-n-propyla...	7.345	70	83163	14.732	ng	# 78
25) Isophorone	7.345	82	606179	36.612	ng	# 64
51) 2,6-Dinitrotoluene	9.816	165	32166	8.183	ng	# 28
57) 2,4-Dinitrotoluene	9.816	165	32166	6.617	ng	# 25
67) 4-Bromophenyl-phenylether	10.610	248	18040	3.548	ng	# 1
71) Phenanthrene	11.333	178	48518	2.101	ng	99
75) Fluoranthene	12.527	202	77081	3.523	ng	98
77) Benzidine	12.910	184	13546	3.677	ng	# 93
78) Pyrene	12.757	202	67490	2.804	ng	100
88) Benzo(b)fluoranthene	15.004	252	50012	3.308	ng	97
89) Benzo(k)fluoranthene	15.004	252	50012	3.368	ng	95

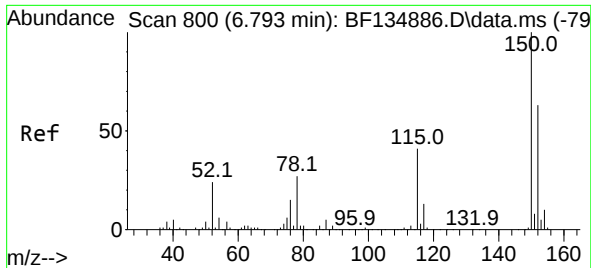
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF082923\
Data File : BF134993.D
Acq On : 29 Aug 2023 20:15
Operator : CG\JU
Sample : 04188-04
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
WC-6

Quant Time: Aug 29 22:29:27 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF082223.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Aug 28 02:45:19 2023
Response via : Initial Calibration

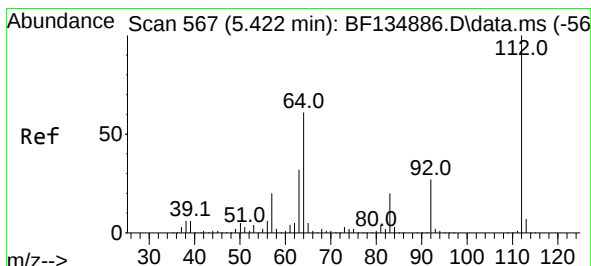
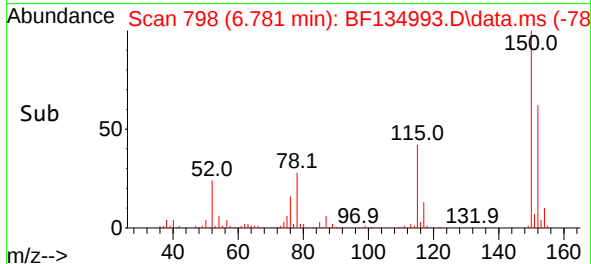
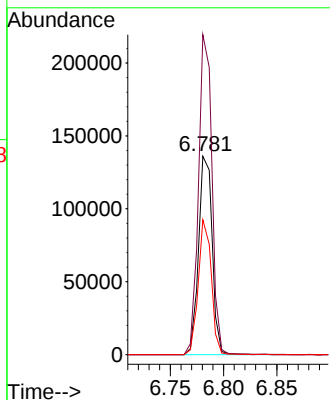
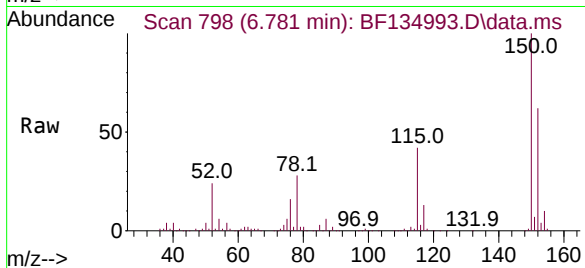




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.781 min Scan# 79
Delta R.T. -0.012 min
Lab File: BF134993.D
Acq: 29 Aug 2023 20:15

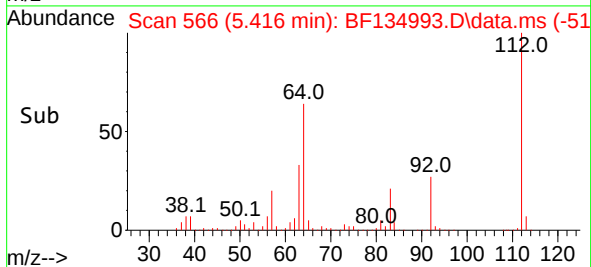
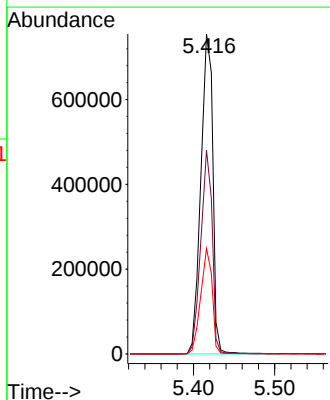
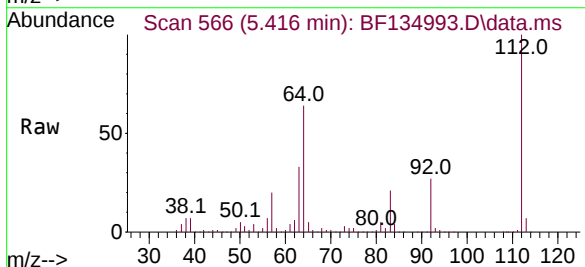
Instrument :
BNA_F
ClientSampleId :
WC-6

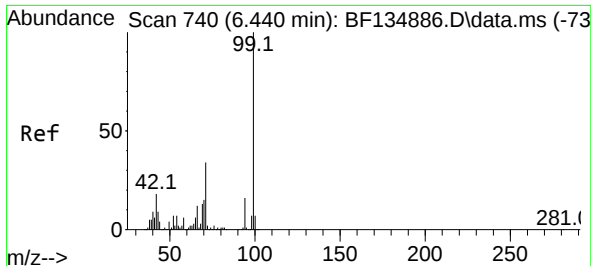
Tgt Ion:152 Resp: 120620
Ion Ratio Lower Upper
152 100
150 161.3 126.1 189.1
115 68.0 51.1 76.7



#5
2-Fluorophenol
Concen: 102.460 ng
RT: 5.416 min Scan# 566
Delta R.T. -0.006 min
Lab File: BF134993.D
Acq: 29 Aug 2023 20:15

Tgt Ion:112 Resp: 775009
Ion Ratio Lower Upper
112 100
64 63.7 48.6 73.0
63 32.9 25.7 38.5

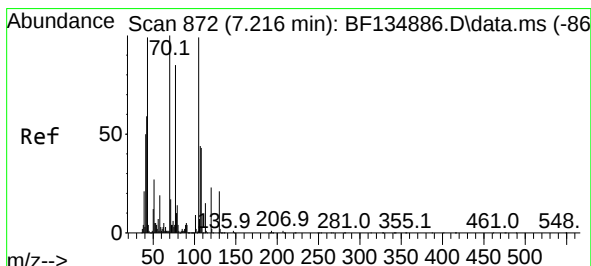
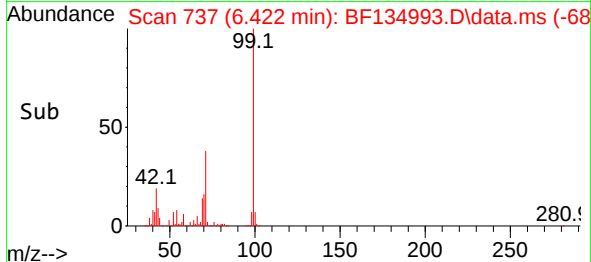
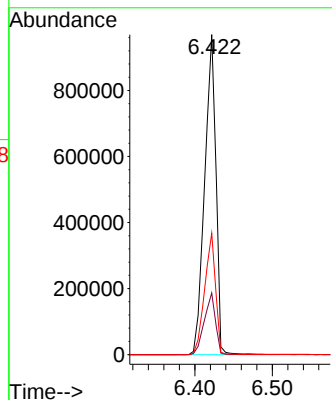
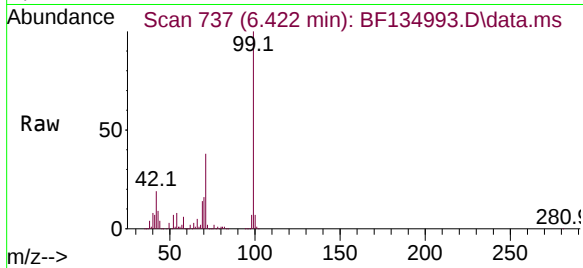




#7
Phenol-d6
Concen: 101.076 ng
RT: 6.422 min Scan# 740
Delta R.T. -0.018 min
Lab File: BF134993.D
Acq: 29 Aug 2023 20:15

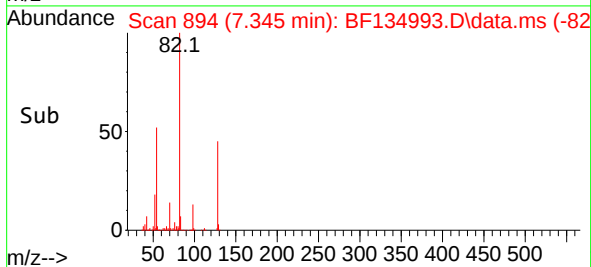
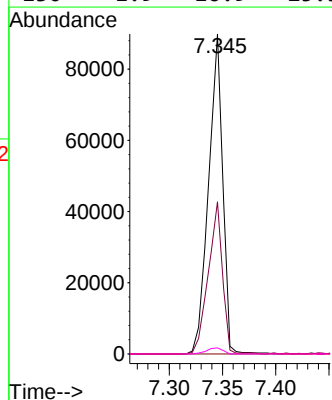
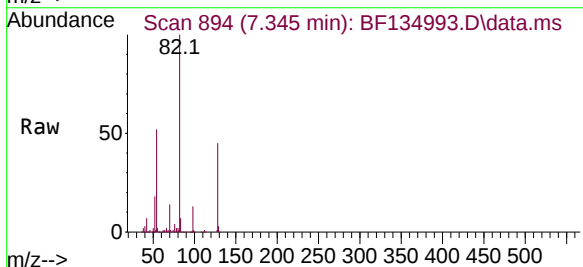
Instrument :
BNA_F
ClientSampleId :
WC-6

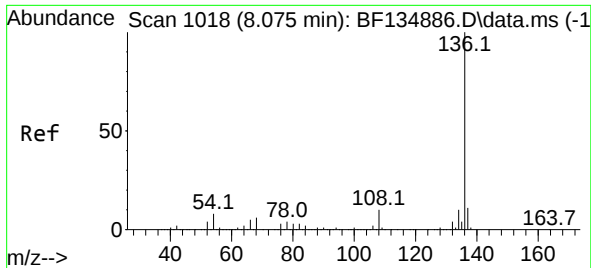
Tgt Ion: 99 Resp: 976937
Ion Ratio Lower Upper
99 100
42 19.3 14.6 22.0
71 38.0 27.6 41.4



#19
n-Nitroso-di-n-propylamine
Concen: 14.732 ng
RT: 7.345 min Scan# 894
Delta R.T. 0.129 min
Lab File: BF134993.D
Acq: 29 Aug 2023 20:15

Tgt Ion: 70 Resp: 83163
Ion Ratio Lower Upper
70 100
42 47.5 46.9 70.3
101 0.0 7.5 11.3#
130 1.9 16.9 25.3#

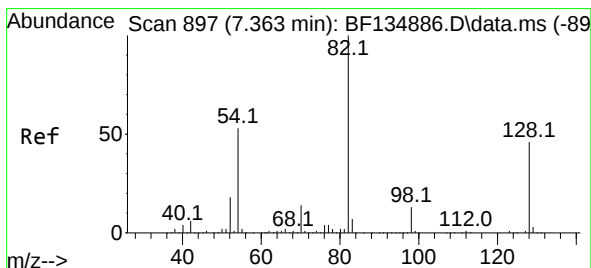
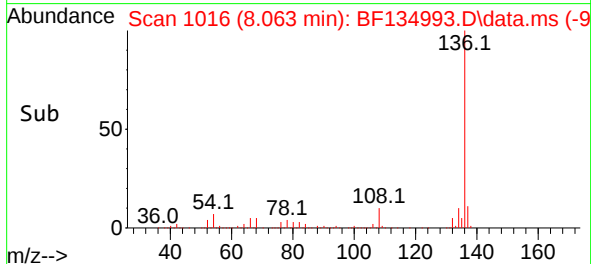
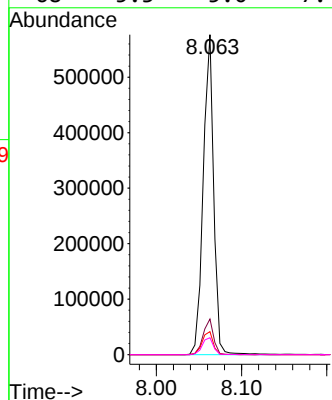
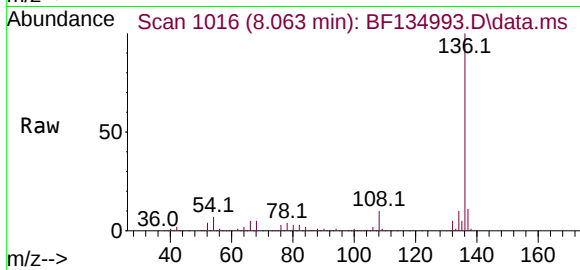




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.063 min Scan# 1016
Delta R.T. -0.012 min
Lab File: BF134993.D
Acq: 29 Aug 2023 20:15

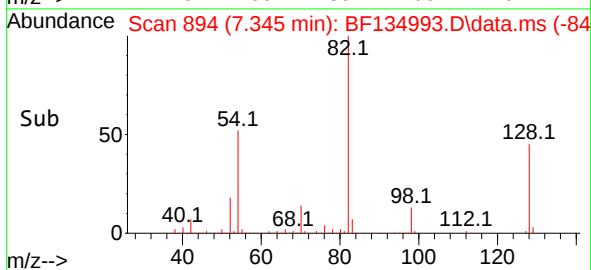
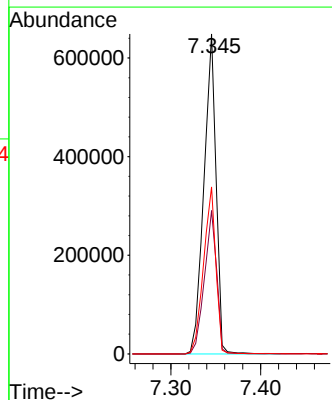
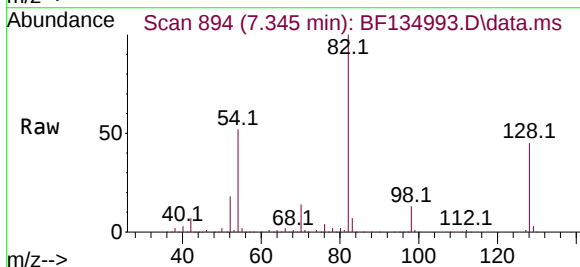
Instrument :
BNA_F
ClientSampleId :
WC-6

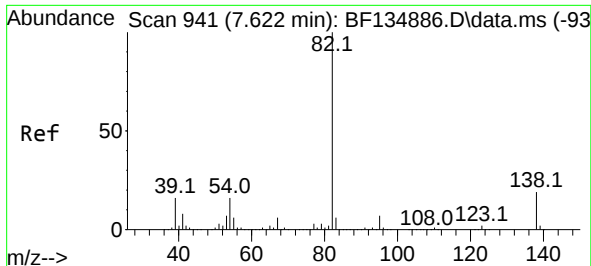
Tgt Ion:136	Resp: 488589
Ion Ratio	Lower Upper
136	100
137	11.1 8.9 13.3
54	7.2 6.6 9.8
68	5.3 5.0 7.4



#23
Nitrobenzene-d5
Concen: 68.912 ng
RT: 7.345 min Scan# 894
Delta R.T. -0.018 min
Lab File: BF134993.D
Acq: 29 Aug 2023 20:15

Tgt Ion: 82	Resp: 611023
Ion Ratio	Lower Upper
82	100
128	44.8 36.6 54.8
54	52.2 42.6 63.8

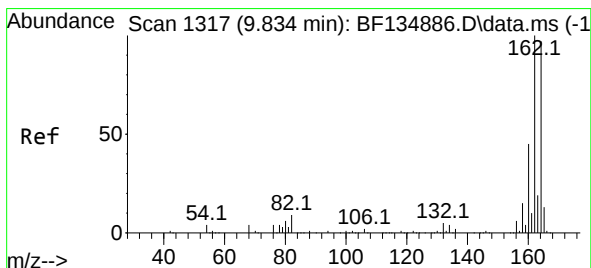
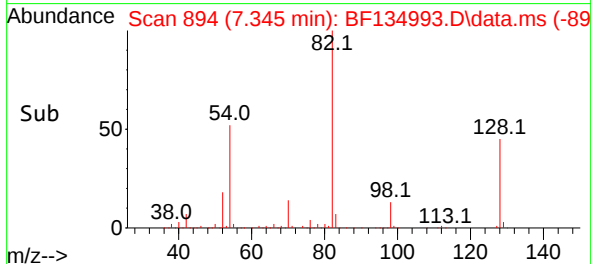
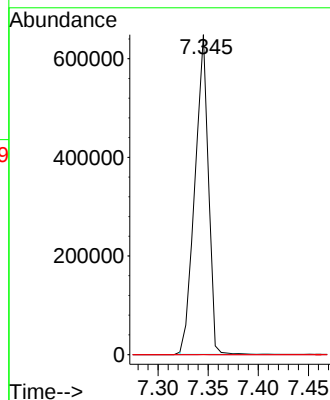
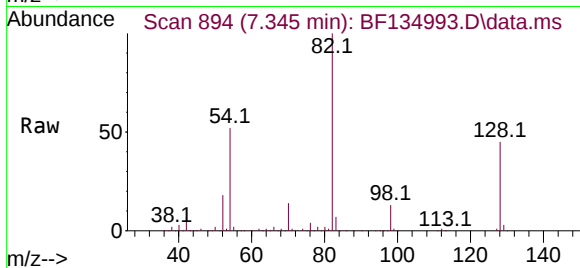




#25
Isophorone
Concen: 36.612 ng
RT: 7.345 min Scan# 89
Delta R.T. -0.277 min
Lab File: BF134993.D
Acq: 29 Aug 2023 20:15

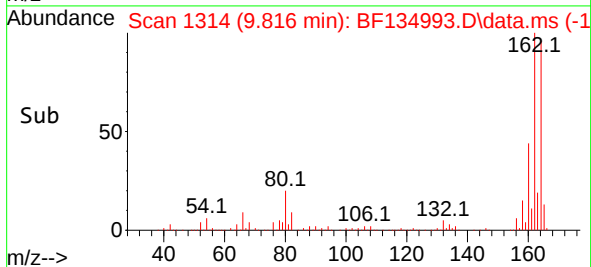
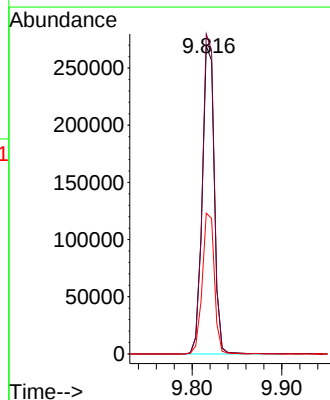
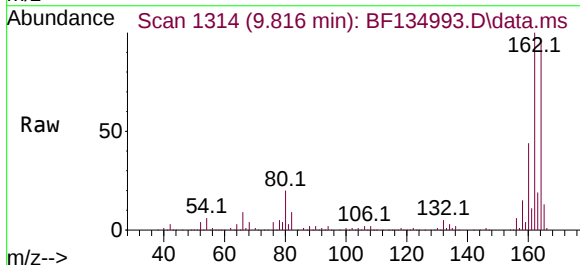
Instrument :
BNA_F
ClientSampleId :
WC-6

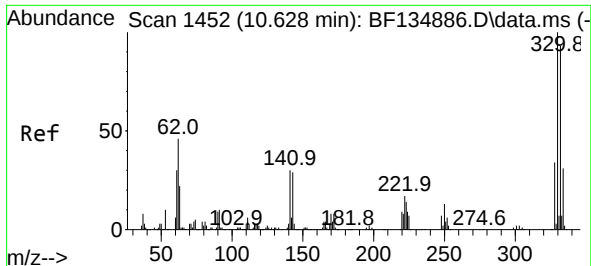
Tgt Ion: 82 Resp: 606179
Ion Ratio Lower Upper
82 100
95 0.0 5.9 8.9#
138 0.0 14.9 22.3#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.816 min Scan# 1314
Delta R.T. -0.018 min
Lab File: BF134993.D
Acq: 29 Aug 2023 20:15

Tgt Ion: 164 Resp: 250364
Ion Ratio Lower Upper
164 100
162 104.0 82.6 123.8
160 45.7 37.0 55.4





#42

2,4,6-Tribromophenol

Concen: 91.290 ng

RT: 10.616 min Scan# 1452

Delta R.T. -0.012 min

Lab File: BF134993.D

Acq: 29 Aug 2023 20:15

Instrument :

BNA_F

ClientSampleId :

WC-6

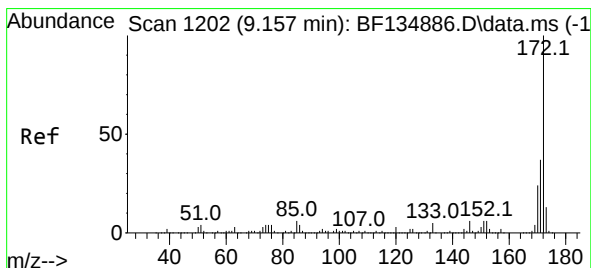
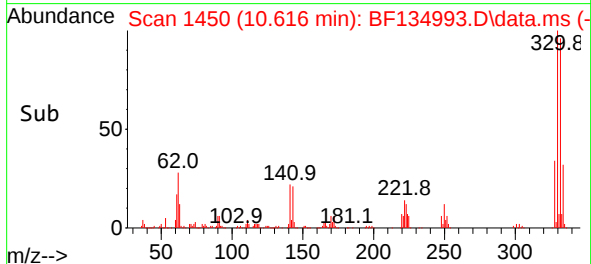
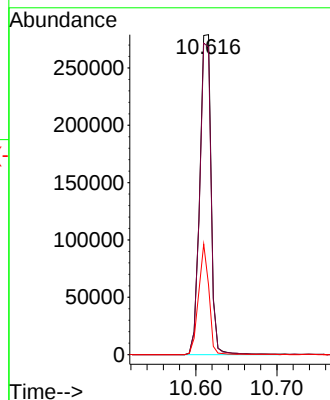
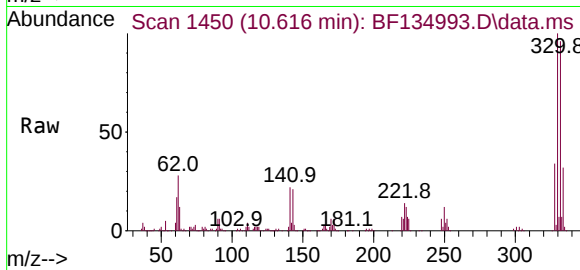
Tgt Ion:330 Resp: 269183

Ion Ratio Lower Upper

330 100

332 97.2 76.3 114.5

141 31.4 23.4 35.2



#45

2-Fluorobiphenyl

Concen: 70.045 ng

RT: 9.139 min Scan# 1199

Delta R.T. -0.018 min

Lab File: BF134993.D

Acq: 29 Aug 2023 20:15

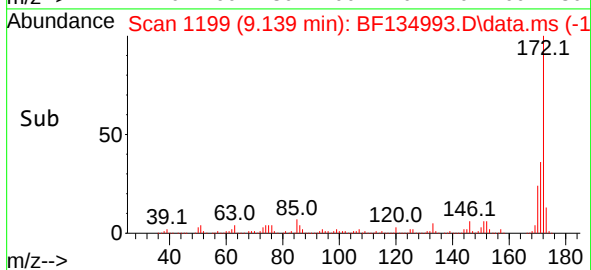
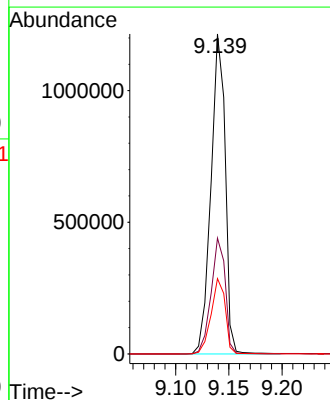
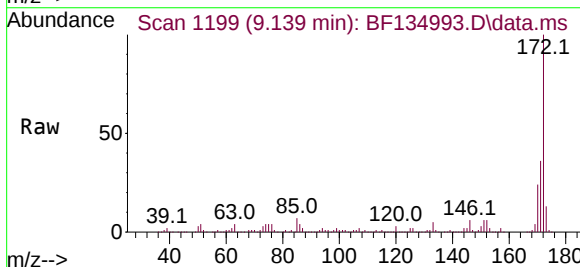
Tgt Ion:172 Resp: 1134405

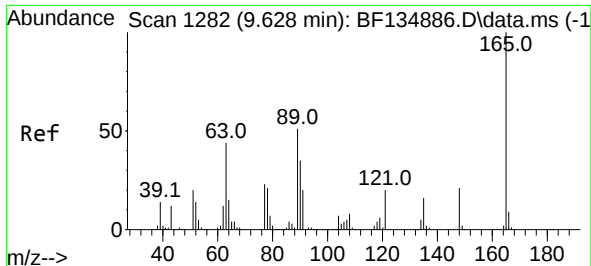
Ion Ratio Lower Upper

172 100

171 36.2 29.4 44.0

170 23.5 19.6 29.4





#51

2,6-Dinitrotoluene

Concen: 8.183 ng

RT: 9.816 min Scan# 1314

Delta R.T. 0.188 min

Lab File: BF134993.D

Acq: 29 Aug 2023 20:15

Instrument :

BNA_F

ClientSampleId :

WC-6

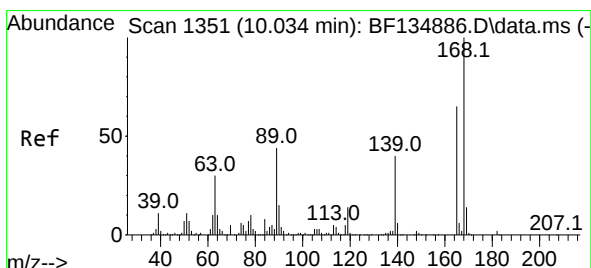
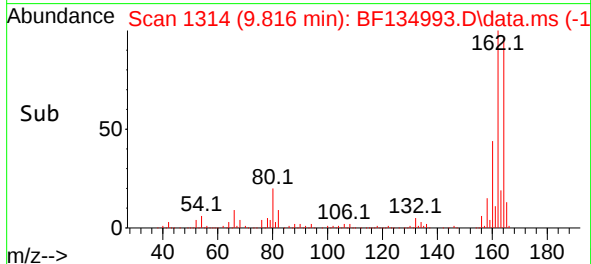
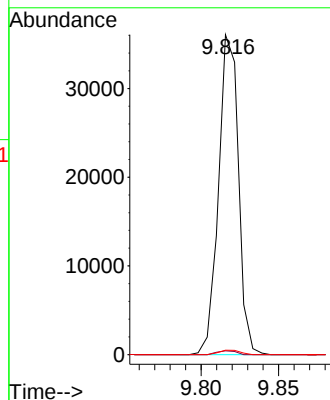
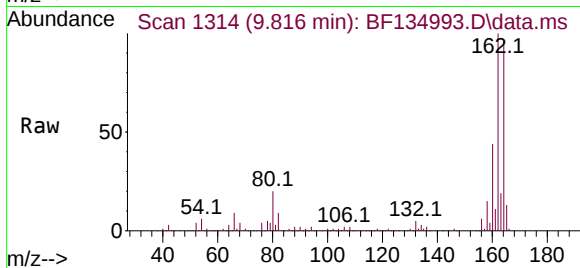
Tgt Ion:165 Resp: 32166

Ion Ratio Lower Upper

165 100

63 1.2 41.4 62.2#

89 1.4 40.9 61.3#



#57

2,4-Dinitrotoluene

Concen: 6.617 ng

RT: 9.816 min Scan# 1314

Delta R.T. -0.218 min

Lab File: BF134993.D

Acq: 29 Aug 2023 20:15

Tgt Ion:165 Resp: 32166

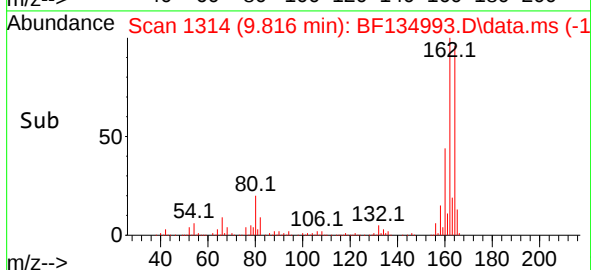
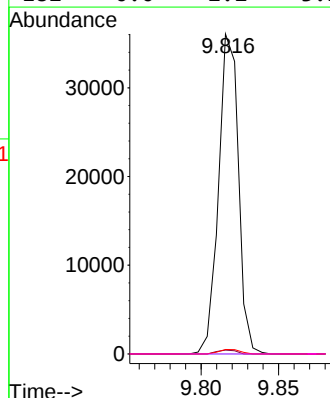
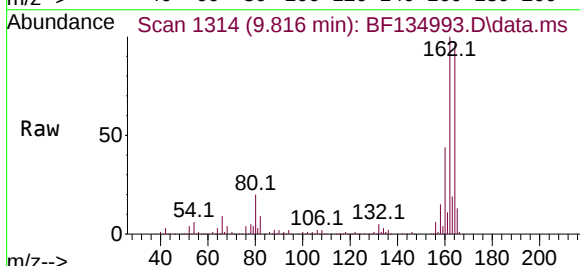
Ion Ratio Lower Upper

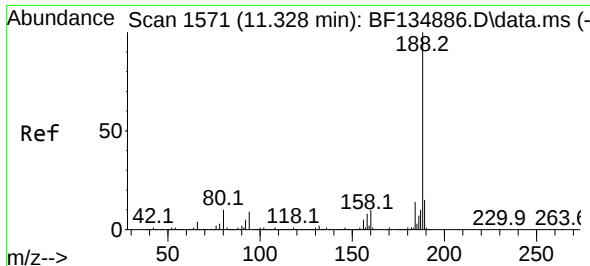
165 100

63 1.2 37.7 56.5#

89 1.4 54.2 81.4#

182 0.0 2.2 3.2#

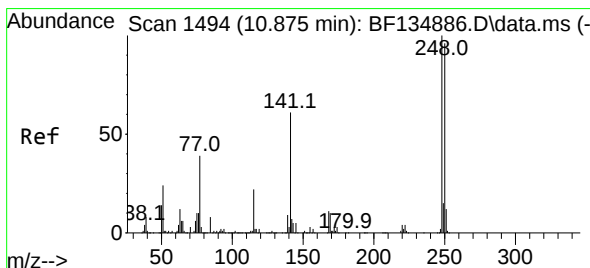
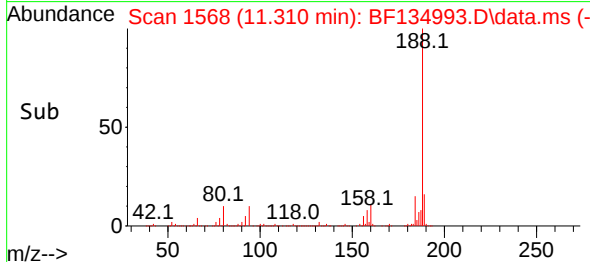
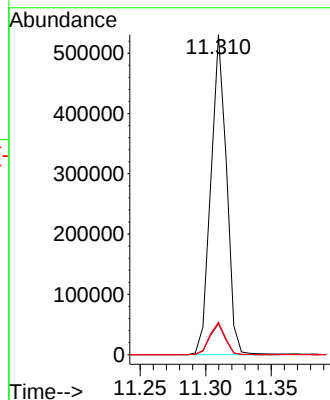
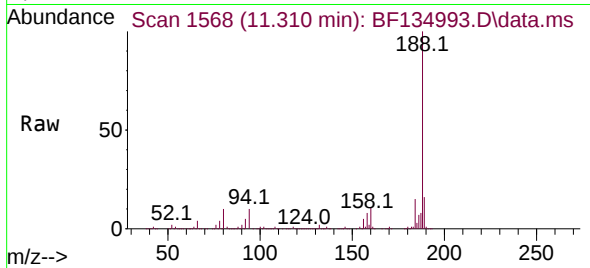




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.310 min Scan# 11
Delta R.T. -0.018 min
Lab File: BF134993.D
Acq: 29 Aug 2023 20:15

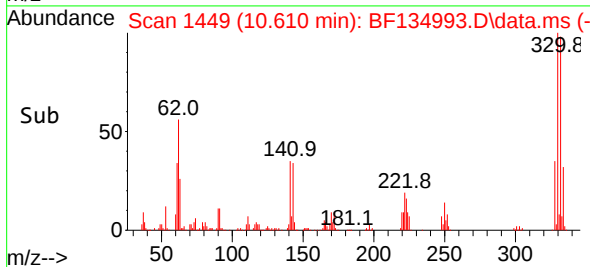
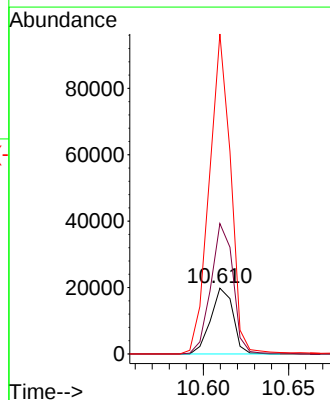
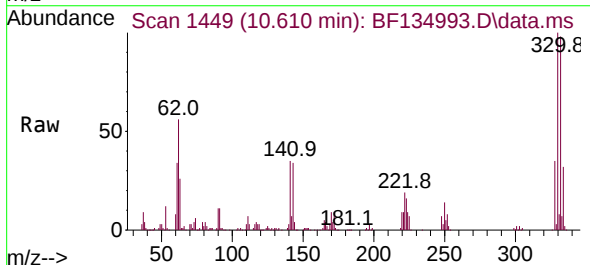
Instrument :
BNA_F
ClientSampleId :
WC-6

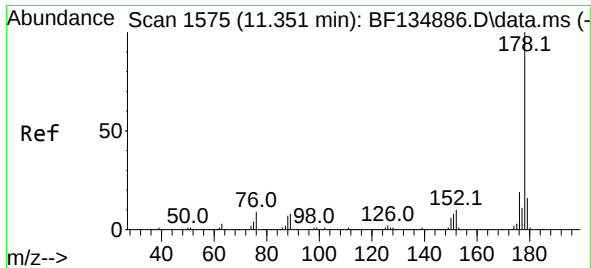
Tgt Ion:188 Resp: 440680
Ion Ratio Lower Upper
188 100
94 9.6 7.5 11.3
80 10.1 7.8 11.6



#67
4-Bromophenyl-phenylether
Concen: 3.548 ng
RT: 10.610 min Scan# 1449
Delta R.T. -0.265 min
Lab File: BF134993.D
Acq: 29 Aug 2023 20:15

Tgt Ion:248 Resp: 18040
Ion Ratio Lower Upper
248 100
250 198.5 77.1 115.7#
141 487.4 49.0 73.4#

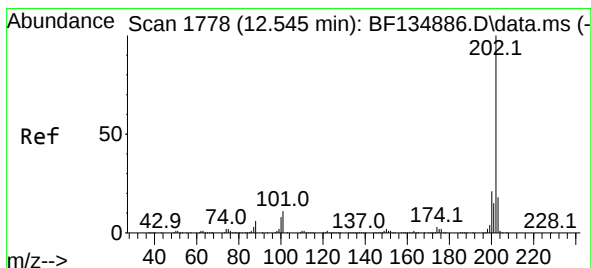
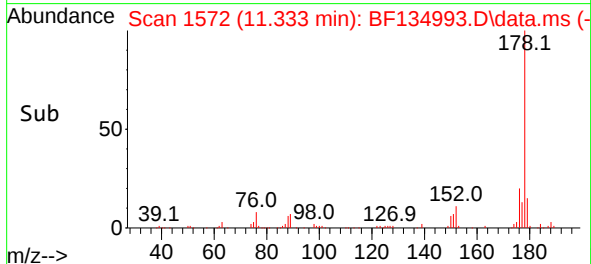
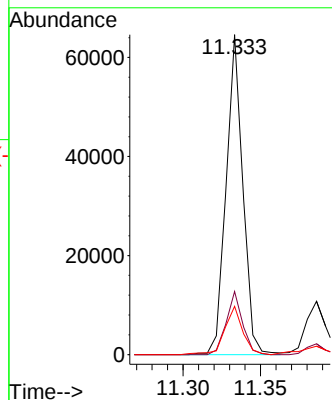
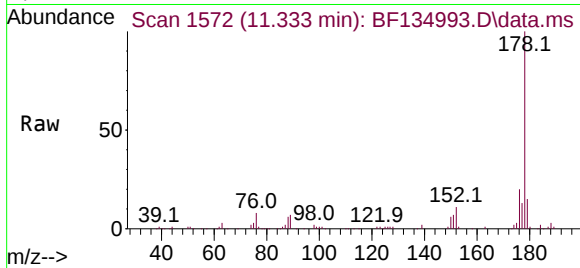




#71
Phenanthrene
Concen: 2.101 ng
RT: 11.333 min Scan# 11
Delta R.T. -0.018 min
Lab File: BF134993.D
Acq: 29 Aug 2023 20:15

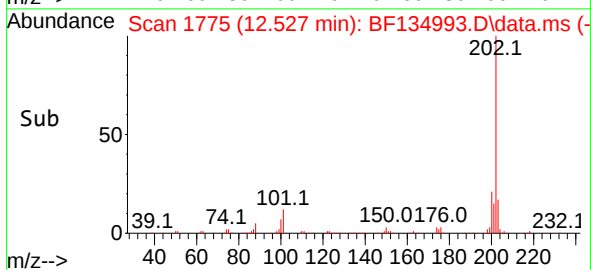
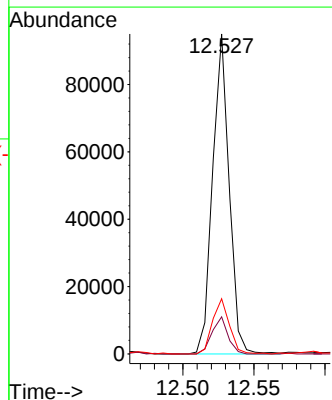
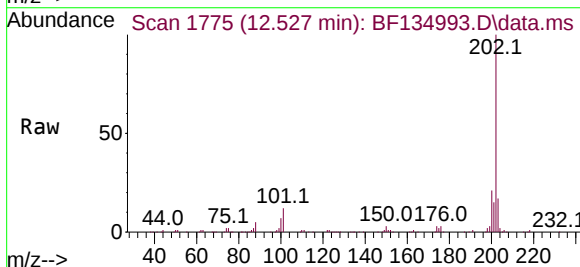
Instrument :
BNA_F
ClientSampleId :
WC-6

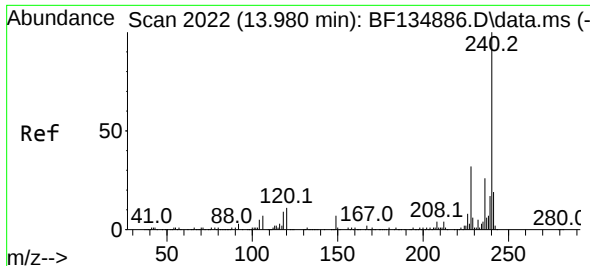
Tgt Ion:178 Resp: 48518
Ion Ratio Lower Upper
178 100
176 19.7 15.5 23.3
179 15.1 12.6 19.0



#75
Fluoranthene
Concen: 3.523 ng
RT: 12.527 min Scan# 1775
Delta R.T. -0.018 min
Lab File: BF134993.D
Acq: 29 Aug 2023 20:15

Tgt Ion:202 Resp: 77081
Ion Ratio Lower Upper
202 100
101 11.6 0.0 30.5
203 17.2 0.0 37.8

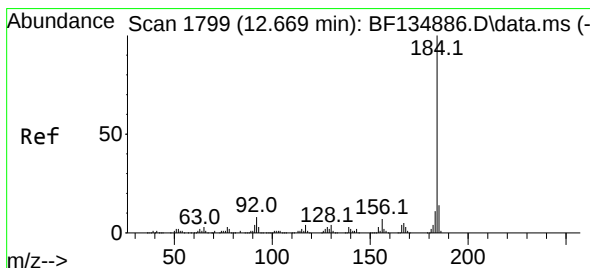
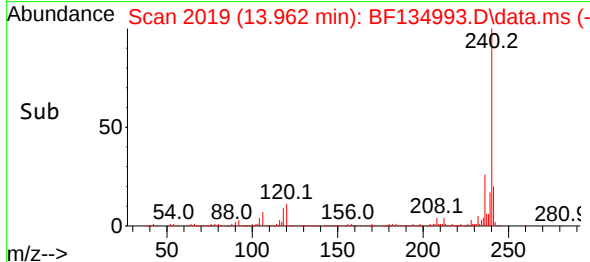
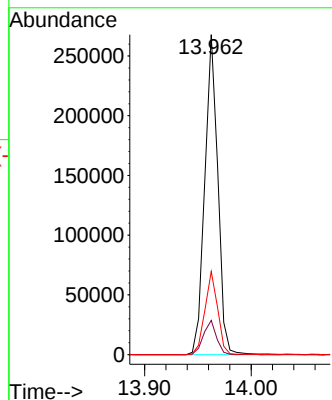
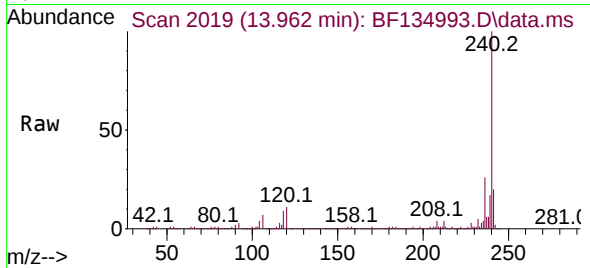




#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.962 min Scan# 20
Delta R.T. -0.018 min
Lab File: BF134993.D
Acq: 29 Aug 2023 20:15

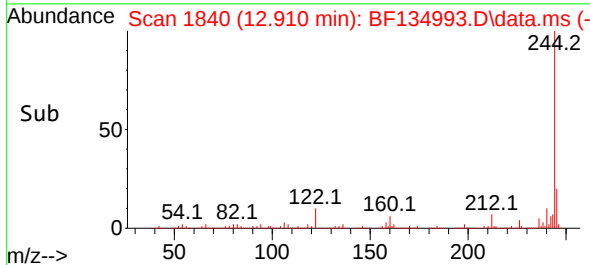
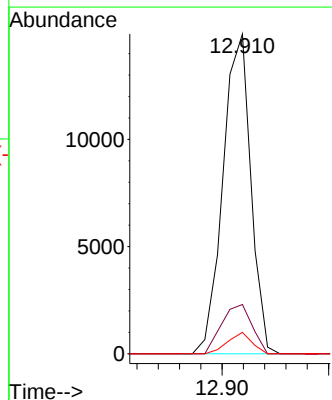
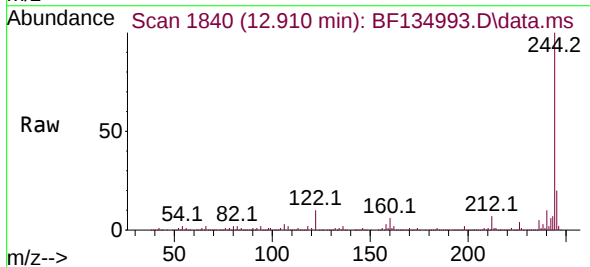
Instrument :
BNA_F
ClientSampleId :
WC-6

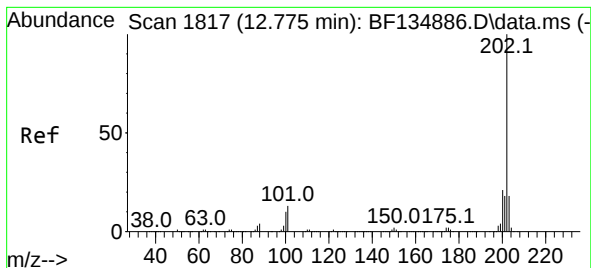
Tgt Ion:240 Resp: 227043
Ion Ratio Lower Upper
240 100
120 10.7 8.6 12.8
236 26.0 20.6 31.0



#77
Benzidine
Concen: 3.677 ng
RT: 12.910 min Scan# 1840
Delta R.T. 0.241 min
Lab File: BF134993.D
Acq: 29 Aug 2023 20:15

Tgt Ion:184 Resp: 13546
Ion Ratio Lower Upper
184 100
185 15.4 11.4 17.0
183 6.7 9.0 13.4#





#78

Pyrene

Concen: 2.804 ng

RT: 12.757 min Scan# 1814

Delta R.T. -0.018 min

Lab File: BF134993.D

Acq: 29 Aug 2023 20:15

Instrument :

BNA_F

ClientSampleId :

WC-6

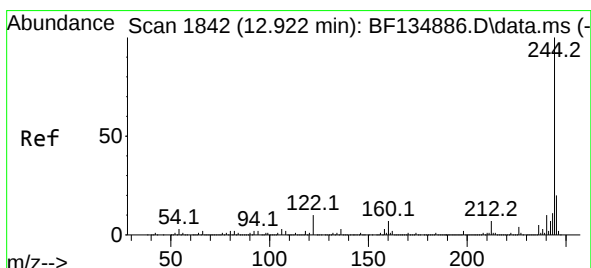
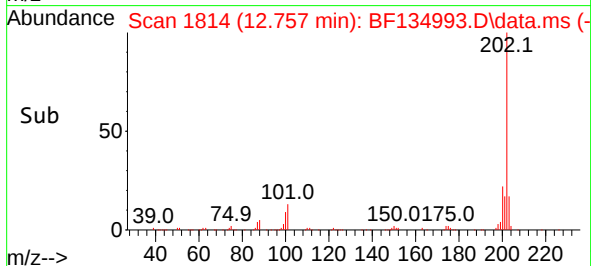
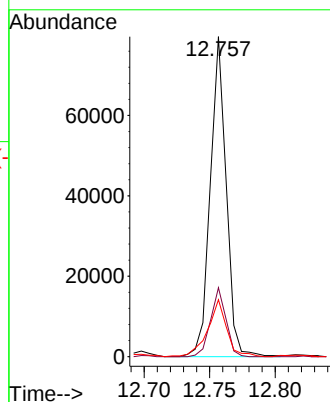
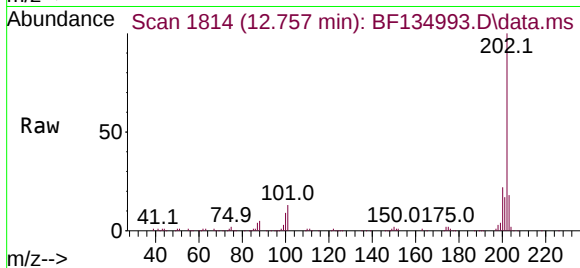
Tgt Ion:202 Resp: 67490

Ion Ratio Lower Upper

202 100

200 21.6 17.1 25.7

203 17.8 14.2 21.2



#79

Terphenyl-d14

Concen: 65.005 ng

RT: 12.910 min Scan# 1840

Delta R.T. -0.012 min

Lab File: BF134993.D

Acq: 29 Aug 2023 20:15

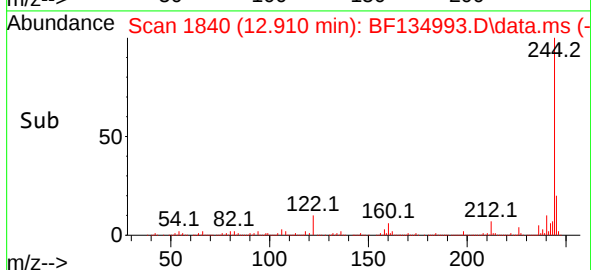
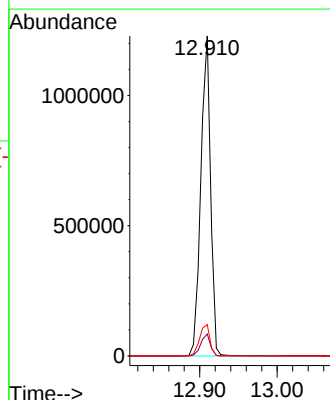
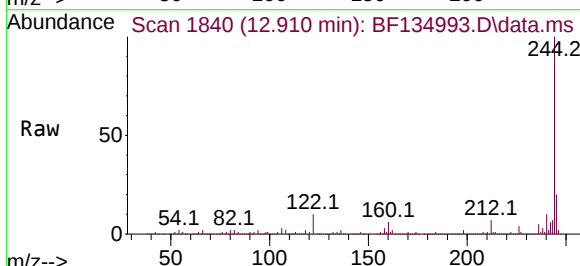
Tgt Ion:244 Resp: 1073069

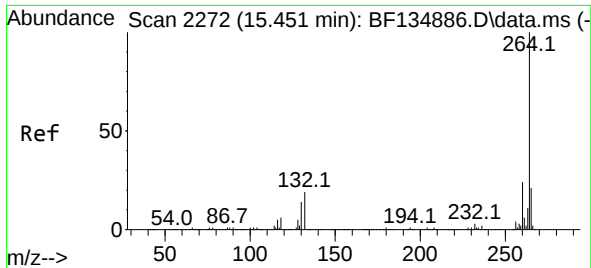
Ion Ratio Lower Upper

244 100

212 6.8 5.4 8.0

122 9.8 8.2 12.4

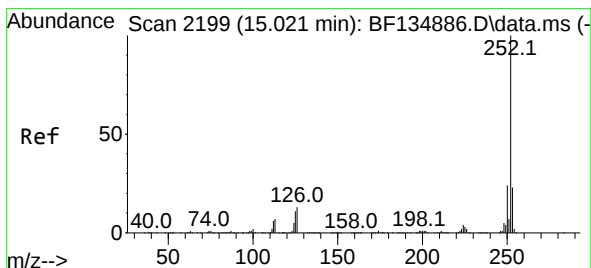
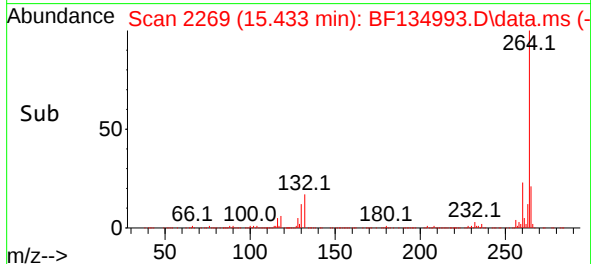
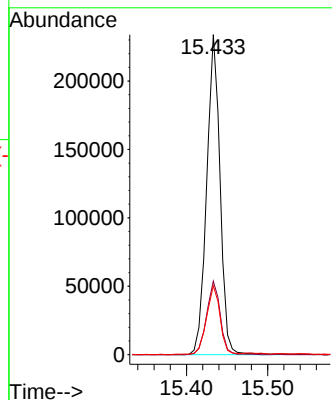
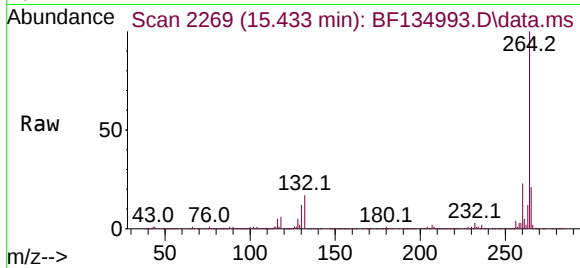




#86
Perylene-d12
Concen: 20.000 ng
RT: 15.433 min Scan# 2196
Delta R.T. -0.018 min
Lab File: BF134993.D
Acq: 29 Aug 2023 20:15

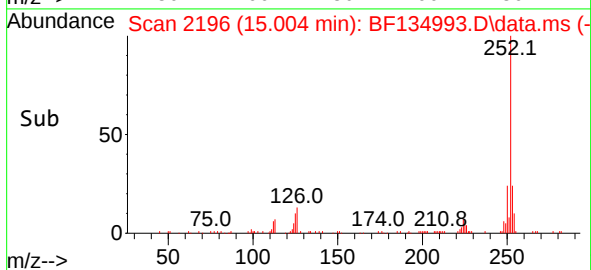
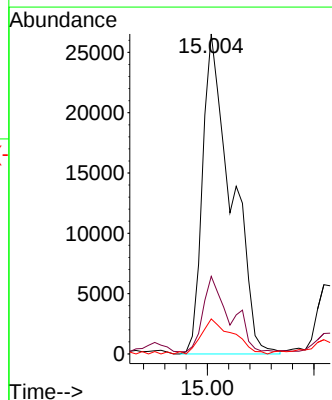
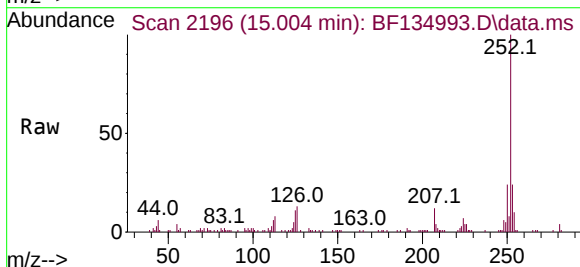
Instrument :
BNA_F
ClientSampleId :
WC-6

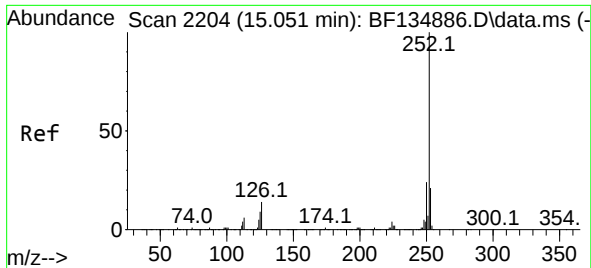
Tgt Ion:264 Resp: 268004
Ion Ratio Lower Upper
264 100
260 23.0 19.0 28.6
265 21.5 17.1 25.7



#88
Benzo(b)fluoranthene
Concen: 3.308 ng
RT: 15.004 min Scan# 2196
Delta R.T. -0.018 min
Lab File: BF134993.D
Acq: 29 Aug 2023 20:15

Tgt Ion:252 Resp: 50012
Ion Ratio Lower Upper
252 100
253 24.2 18.1 27.1
125 10.9 8.4 12.6





#89

Benzo(k)fluoranthene

Concen: 3.368 ng

RT: 15.004 min Scan# 21

Delta R.T. -0.047 min

Lab File: BF134993.D

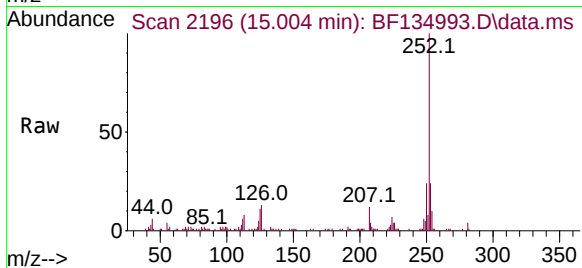
Acq: 29 Aug 2023 20:15

Instrument :

BNA_F

ClientSampleId :

WC-6



Tgt Ion:252 Resp: 50012

Ion Ratio Lower Upper

252 100

253 24.2 17.1 25.7

125 10.9 8.0 12.0

