

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF081123\
 Data File : BF134723.D
 Acq On : 11 Aug 2023 09:52
 Operator : CG\JU
 Sample : 03954-16
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 WC-20

Quant Time: Aug 11 22:19:13 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF080123.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Aug 04 09:29:15 2023
 Response via : Initial Calibration

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

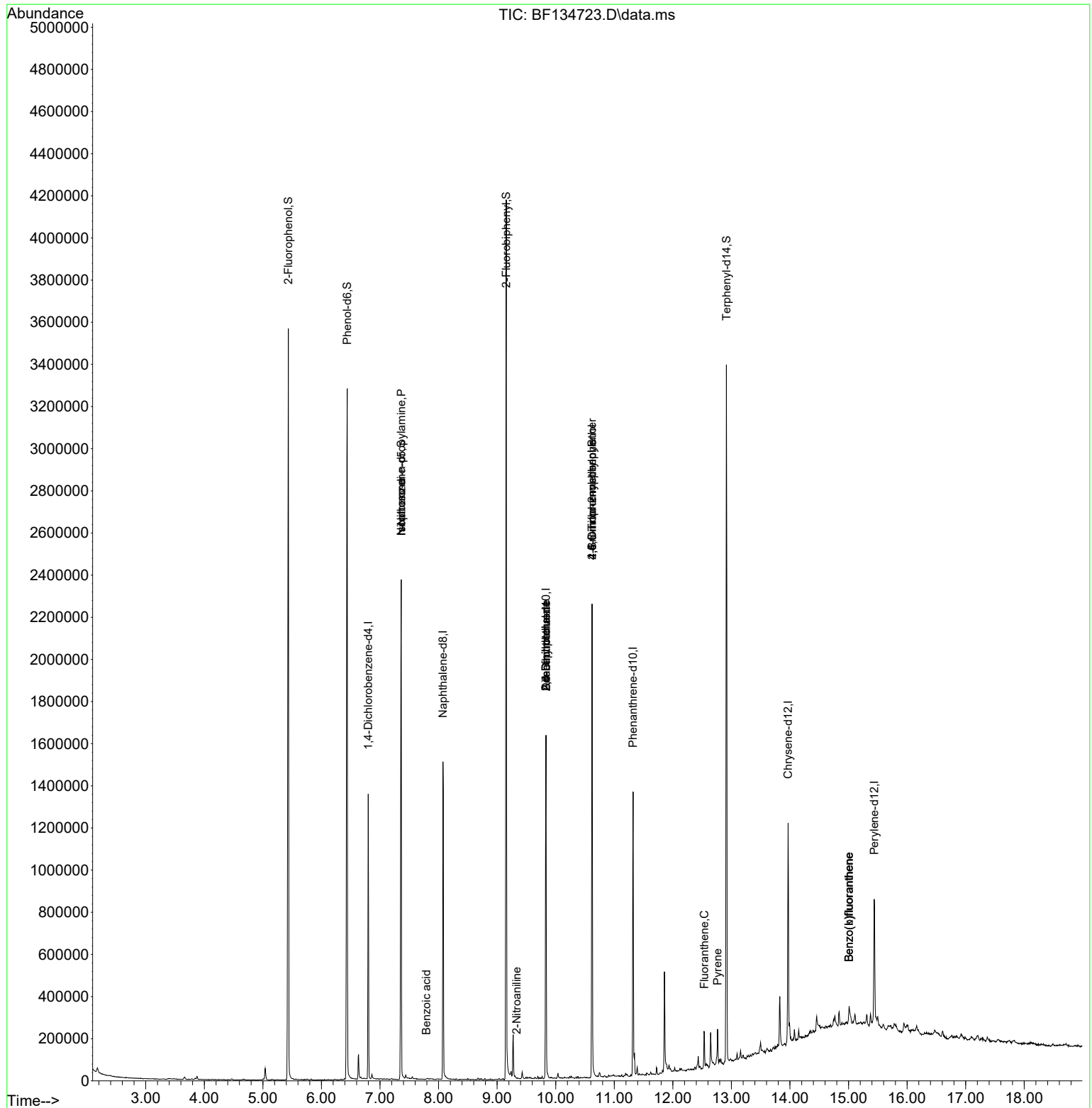
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.798	152	173735	20.000	ng	0.00
21) Naphthalene-d8	8.075	136	672850	20.000	ng	# 0.00
39) Acenaphthene-d10	9.833	164	308042	20.000	ng	0.00
64) Phenanthrene-d10	11.321	188	484957	20.000	ng	# 0.00
76) Chrysene-d12	13.968	240	338861	20.000	ng	# 0.00
86) Perylene-d12	15.439	264	283892	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.434	112	960076	84.002	ng	0.00
7) Phenol-d6	6.439	99	1209212	82.766	ng	0.00
23) Nitrobenzene-d5	7.363	82	727789	67.595	ng	0.00
42) 2,4,6-Tribromophenol	10.621	330	271354	86.413	ng	0.00
45) 2-Fluorobiphenyl	9.157	172	1303486	70.357	ng	0.00
79) Terphenyl-d14	12.915	244	1169798	60.857	ng	0.00
Target Compounds						
						Qvalue
9) Benzaldehyde	6.351	77	600	Below Cal	#	69
19) n-Nitroso-di-n-propyla...	7.363	70	97509	11.147	ng	# 72
25) Isophorone	7.363	82	725944	30.913	ng	# 65
32) Benzoic acid	7.792	122	55	7.874	ng	# 70
48) 2-Nitroaniline	9.333	65	132	3.188	ng	# 8
50) Dimethylphthalate	9.833	163	63969	3.047	ng	# 1
51) 2,6-Dinitrotoluene	9.833	165	40545	11.431	ng	# 17
57) 2,4-Dinitrotoluene	9.833	165	40545	10.191	ng	# 18
65) 4,6-Dinitro-2-methylph...	10.621	198	553	8.930	ng	# 1
67) 4-Bromophenyl-phenylether	10.621	248	16806	3.166	ng	# 1
75) Fluoranthene	12.539	202	73044	2.685	ng	98
78) Pyrene	12.762	202	64159	2.188	ng	96
88) Benzo(b)fluoranthene	15.009	252	56039	3.237	ng	# 89
89) Benzo(k)fluoranthene	15.009	252	56039	3.249	ng	# 90

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

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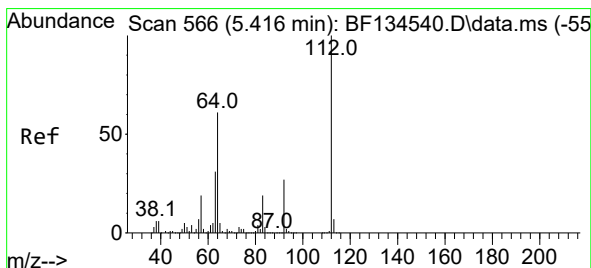
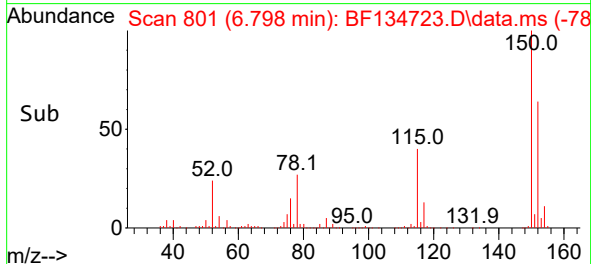
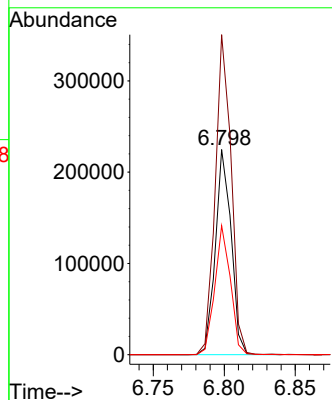
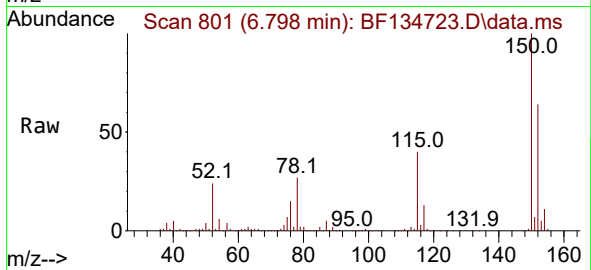




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.798 min Scan# 800
Delta R.T. 0.000 min
Lab File: BF134723.D
Acq: 11 Aug 2023 09:52

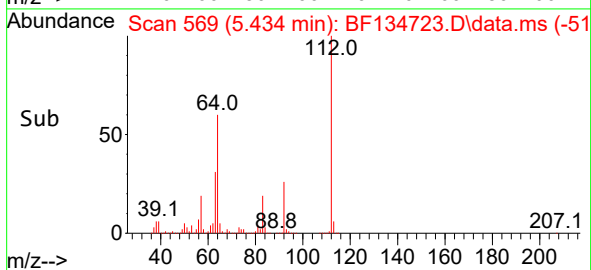
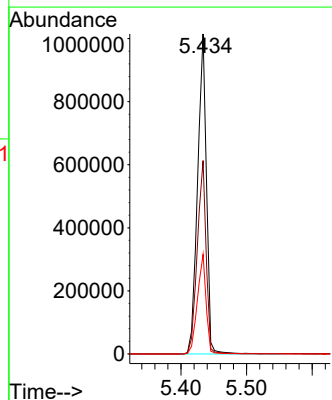
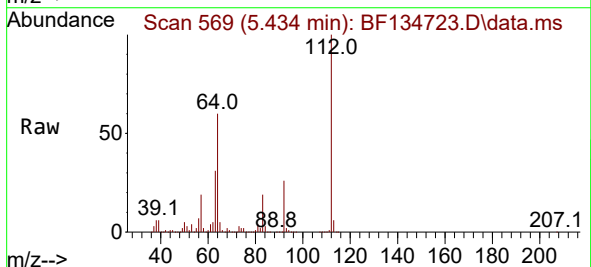
Instrument :
BNA_F
ClientSampleId :
WC-20

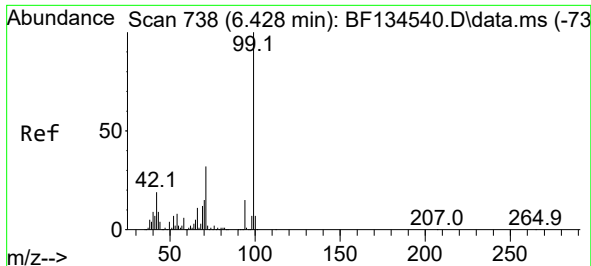
Tgt Ion:152 Resp: 173735
Ion Ratio Lower Upper
152 100
150 156.0 128.3 192.5
115 62.9 52.4 78.6



#5
2-Fluorophenol
Concen: 84.002 ng
RT: 5.434 min Scan# 569
Delta R.T. 0.006 min
Lab File: BF134723.D
Acq: 11 Aug 2023 09:52

Tgt Ion:112 Resp: 960076
Ion Ratio Lower Upper
112 100
64 60.4 44.9 67.3
63 31.2 25.4 38.0

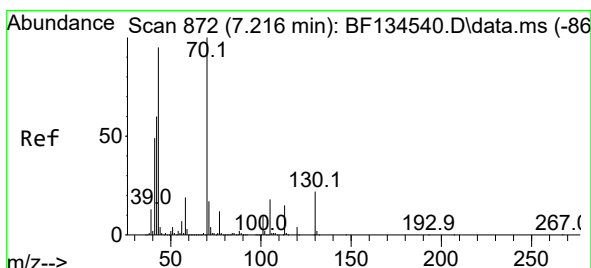
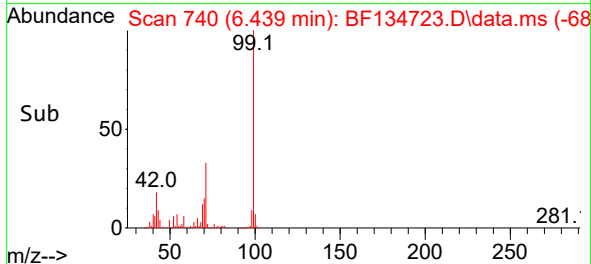
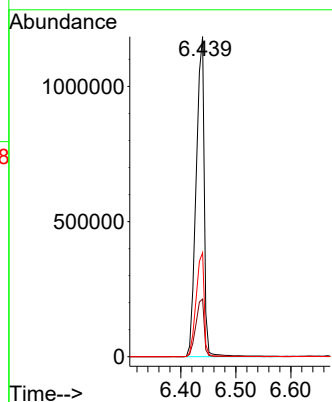
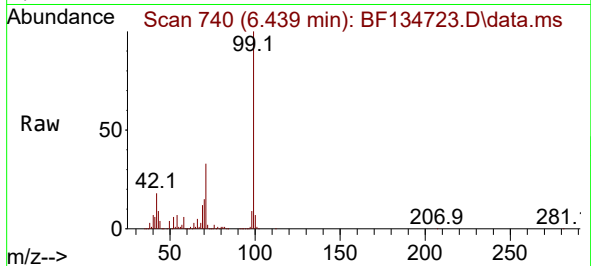




#7
Phenol-d6
Concen: 82.766 ng
RT: 6.439 min Scan# 74
Delta R.T. -0.000 min
Lab File: BF134723.D
Acq: 11 Aug 2023 09:52

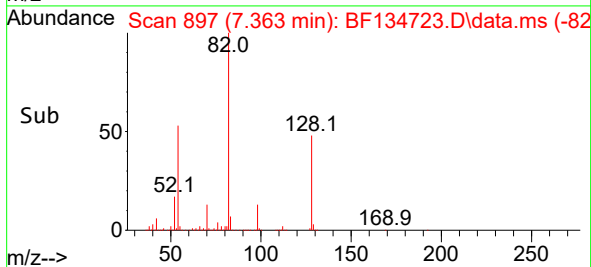
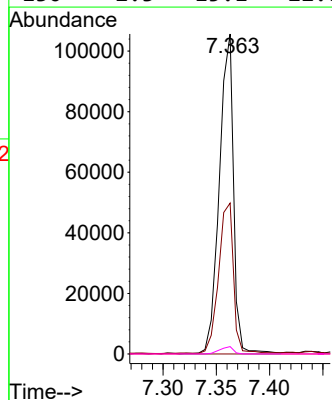
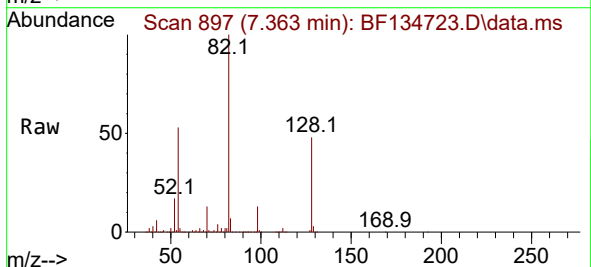
Instrument :
BNA_F
ClientSampleId :
WC-20

Tgt Ion: 99 Resp: 1209212
Ion Ratio Lower Upper
99 100
42 18.0 18.7 28.1#
71 32.5 36.4 54.6#



#19
n-Nitroso-di-n-propylamine
Concen: 11.147 ng
RT: 7.363 min Scan# 897
Delta R.T. 0.141 min
Lab File: BF134723.D
Acq: 11 Aug 2023 09:52

Tgt Ion: 70 Resp: 97509
Ion Ratio Lower Upper
70 100
42 47.1 54.7 82.1#
101 0.0 8.2 12.2#
130 2.3 15.1 22.7#

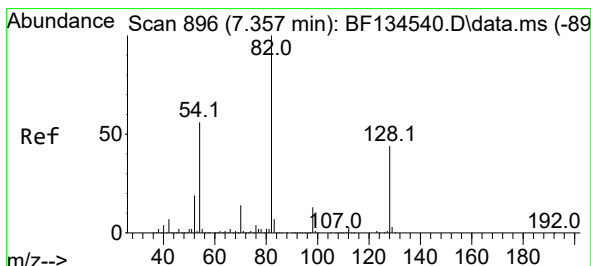
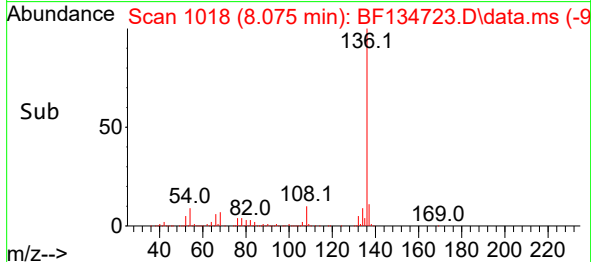
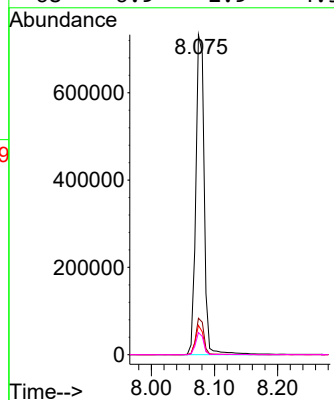
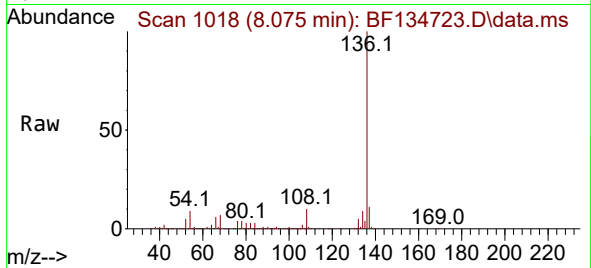




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.075 min Scan# 1018
Delta R.T. -0.006 min
Lab File: BF134723.D
Acq: 11 Aug 2023 09:52

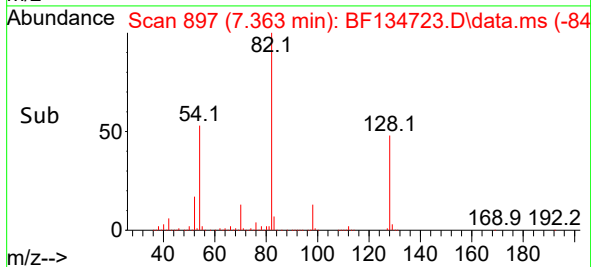
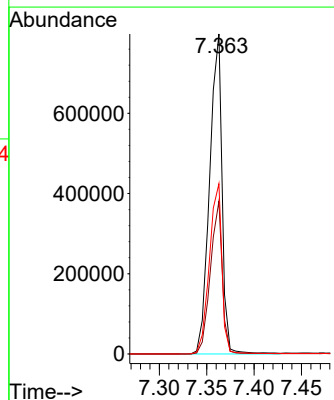
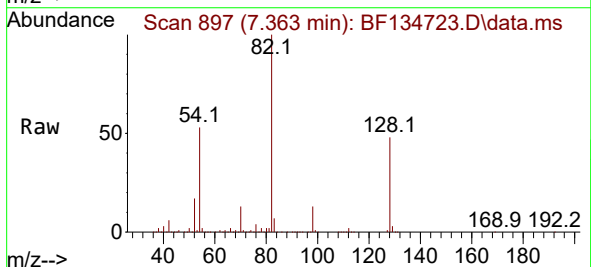
Instrument :
BNA_F
ClientSampleId :
WC-20

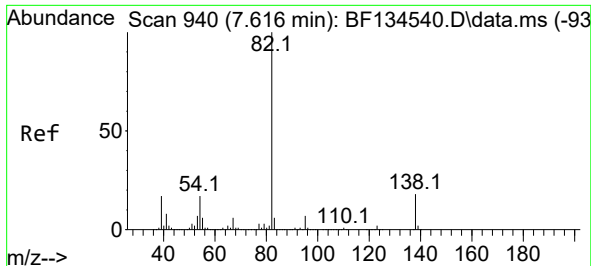
Tgt Ion:136 Resp: 672850
Ion Ratio Lower Upper
136 100
137 11.4 8.4 12.6
54 9.2 5.2 7.8#
68 6.9 2.9 4.3#



#23
Nitrobenzene-d5
Concen: 67.595 ng
RT: 7.363 min Scan# 897
Delta R.T. -0.006 min
Lab File: BF134723.D
Acq: 11 Aug 2023 09:52

Tgt Ion: 82 Resp: 727789
Ion Ratio Lower Upper
82 100
128 47.7 34.3 51.5
54 53.2 43.8 65.6

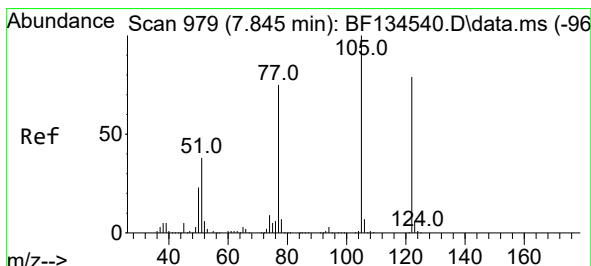
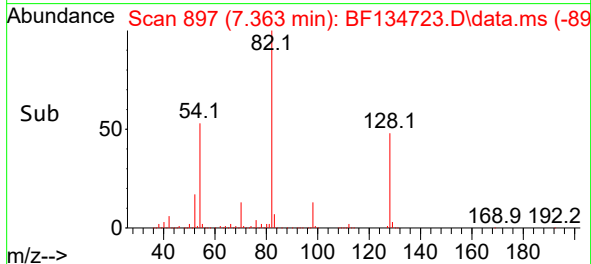
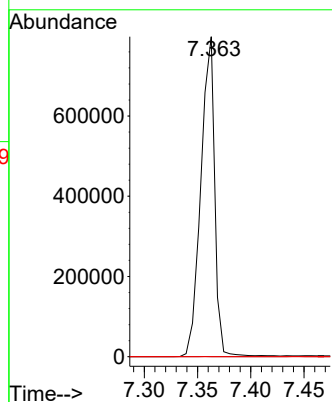
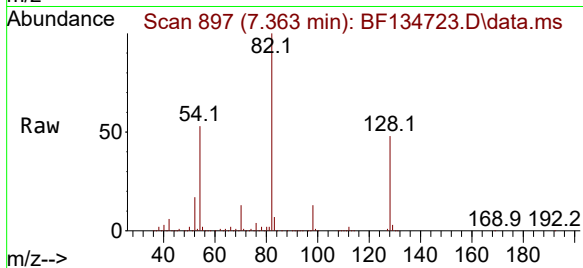




#25
Isophorone
Concen: 30.913 ng
RT: 7.363 min Scan# 89
Delta R.T. -0.265 min
Lab File: BF134723.D
Acq: 11 Aug 2023 09:52

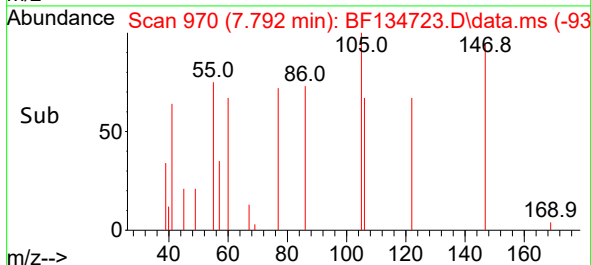
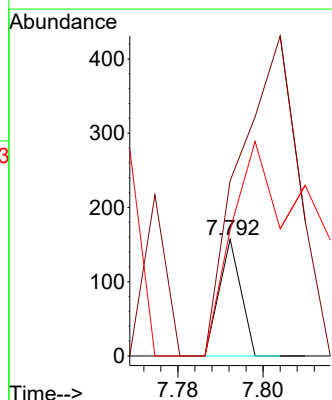
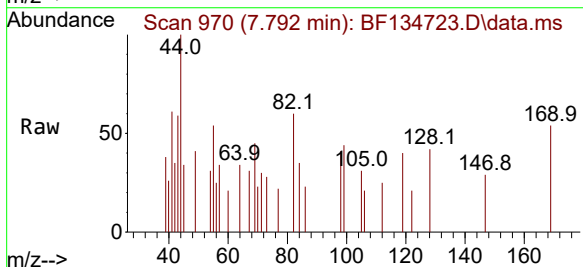
Instrument :
BNA_F
ClientSampleId :
WC-20

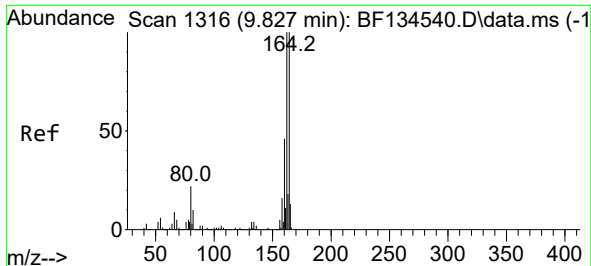
Tgt Ion: 82 Resp: 725944
Ion Ratio Lower Upper
82 100
95 0.0 6.0 9.0#
138 0.0 14.6 22.0#



#32
Benzoic acid
Concen: 7.874 ng
RT: 7.792 min Scan# 970
Delta R.T. -0.071 min
Lab File: BF134723.D
Acq: 11 Aug 2023 09:52

Tgt Ion:122 Resp: 55
Ion Ratio Lower Upper
122 100
105 150.3 87.5 127.5#
77 108.3 71.4 111.4

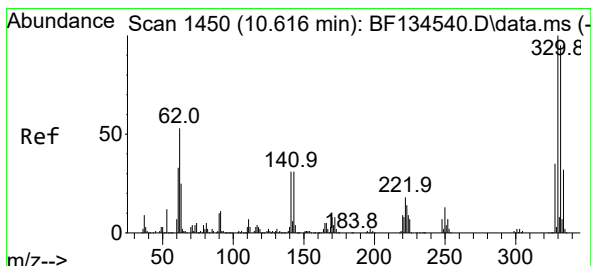
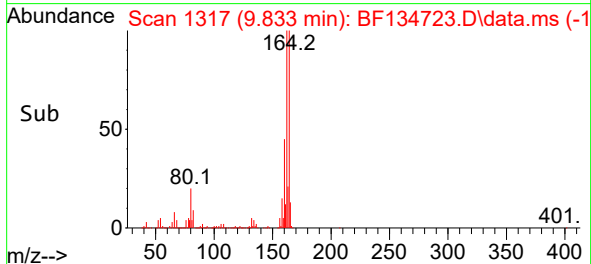
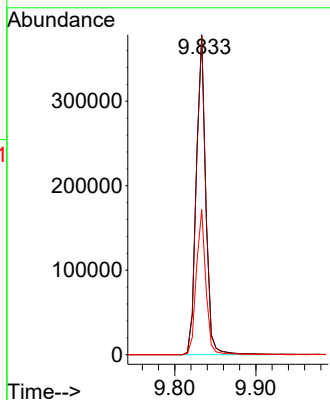
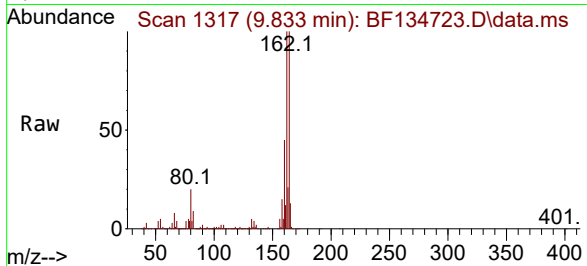




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.833 min Scan# 11
Delta R.T. -0.000 min
Lab File: BF134723.D
Acq: 11 Aug 2023 09:52

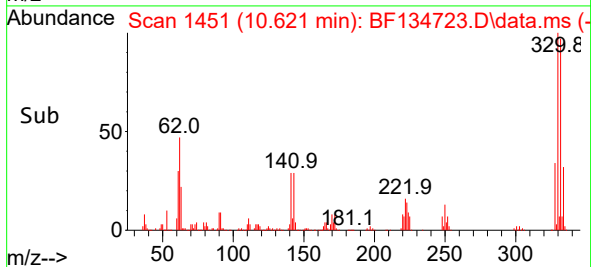
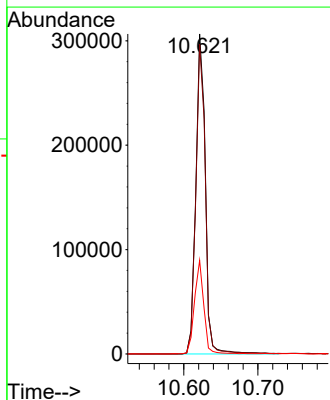
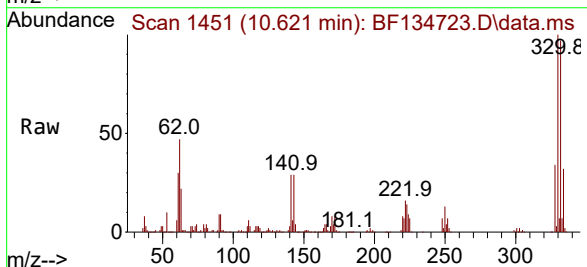
Instrument :
BNA_F
ClientSampleId :
WC-20

Tgt Ion:164 Resp: 308042
Ion Ratio Lower Upper
164 100
162 100.4 82.6 123.8
160 45.5 37.2 55.8



#42
2,4,6-Tribromophenol
Concen: 86.413 ng
RT: 10.621 min Scan# 1451
Delta R.T. -0.006 min
Lab File: BF134723.D
Acq: 11 Aug 2023 09:52

Tgt Ion:330 Resp: 271354
Ion Ratio Lower Upper
330 100
332 97.2 78.8 118.2
141 29.0 25.4 38.2





#45

2-Fluorobiphenyl

Concen: 70.357 ng

RT: 9.157 min Scan# 1

Delta R.T. -0.006 min

Lab File: BF134723.D

Acq: 11 Aug 2023 09:52

Instrument :

BNA_F

ClientSampleId :

WC-20

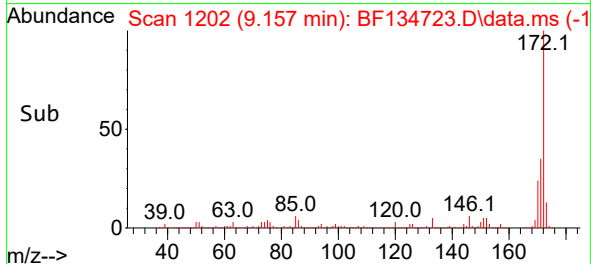
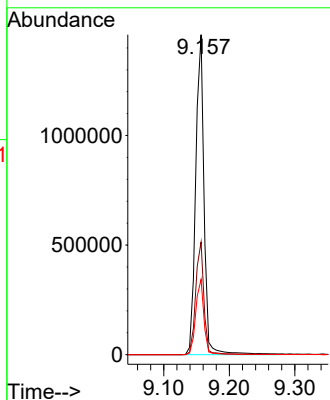
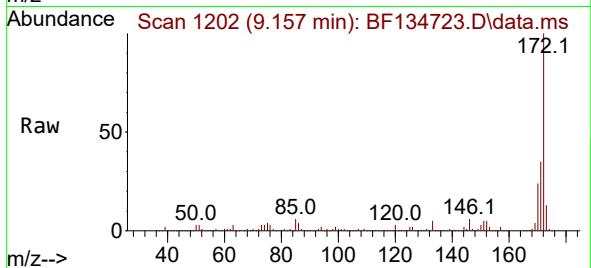
Tgt Ion:172 Resp: 1303486

Ion Ratio Lower Upper

172 100

171 35.2 28.8 43.2

170 23.6 18.7 28.1



#48

2-Nitroaniline

Concen: 3.188 ng

RT: 9.333 min Scan# 1232

Delta R.T. -0.047 min

Lab File: BF134723.D

Acq: 11 Aug 2023 09:52

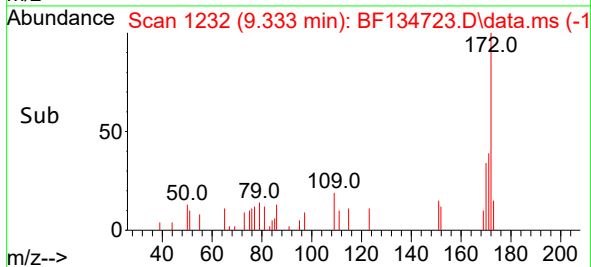
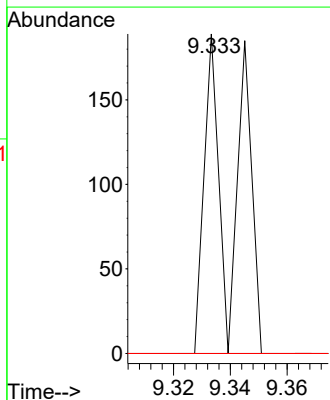
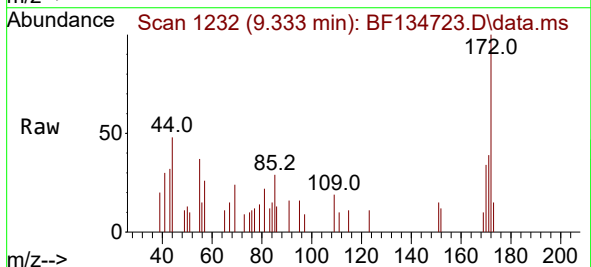
Tgt Ion: 65 Resp: 132

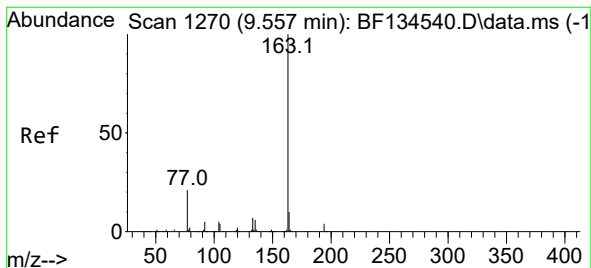
Ion Ratio Lower Upper

65 100

92 0.0 50.7 76.1#

138 0.0 78.2 117.4#





#50

Dimethylphthalate

Concen: 3.047 ng

RT: 9.833 min Scan# 1317

Delta R.T. 0.265 min

Lab File: BF134723.D

Acq: 11 Aug 2023 09:52

Instrument :

BNA_F

ClientSampleId :

WC-20

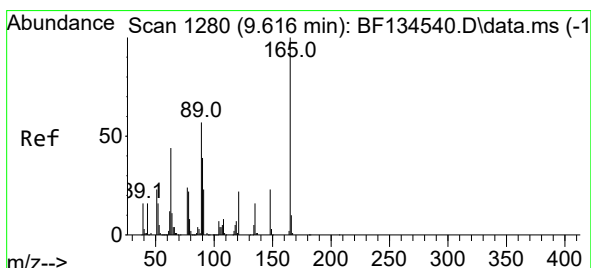
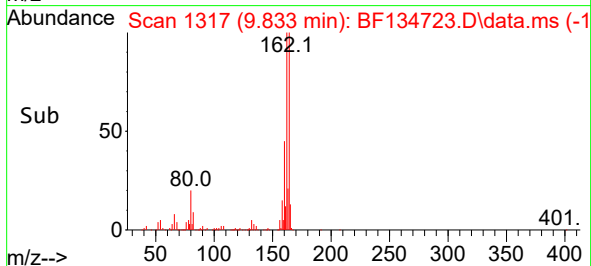
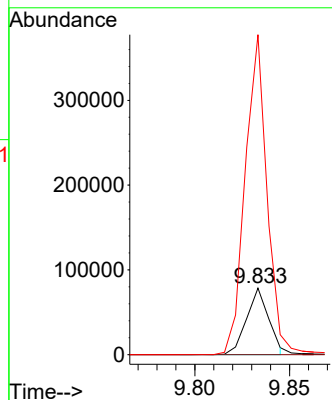
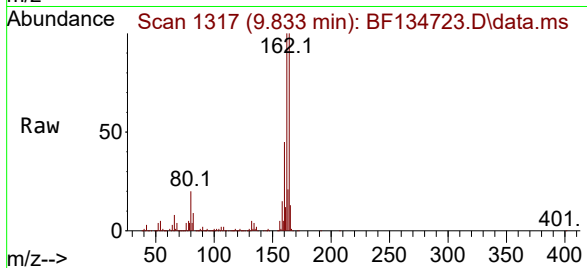
Tgt Ion:163 Resp: 63969

Ion Ratio Lower Upper

163 100

194 0.0 3.3 4.9#

164 480.8 7.5 11.3#



#51

2,6-Dinitrotoluene

Concen: 11.431 ng

RT: 9.833 min Scan# 1317

Delta R.T. 0.206 min

Lab File: BF134723.D

Acq: 11 Aug 2023 09:52

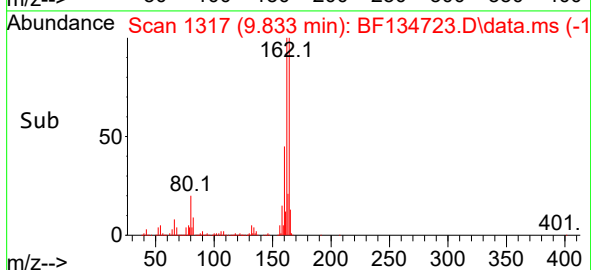
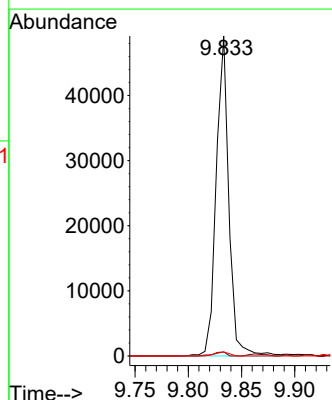
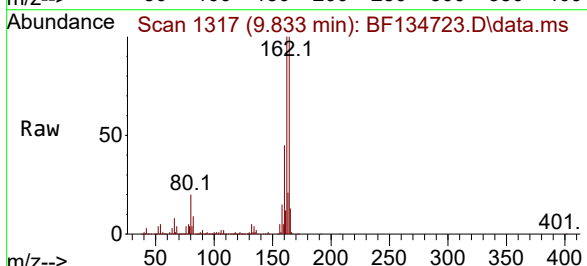
Tgt Ion:165 Resp: 40545

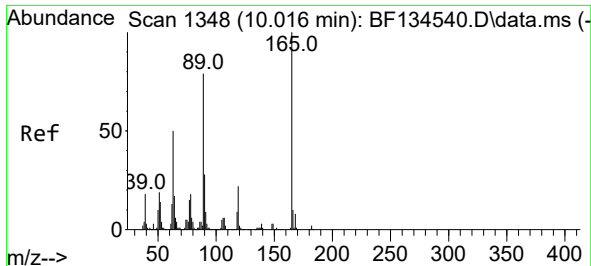
Ion Ratio Lower Upper

165 100

63 1.2 57.8 86.6#

89 1.2 51.8 77.8#

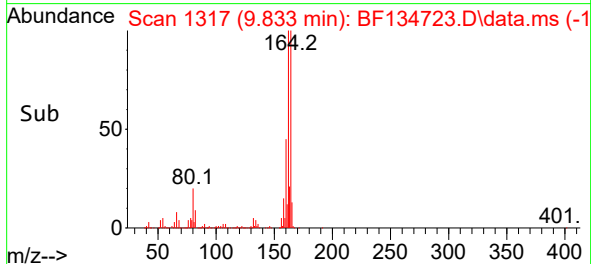
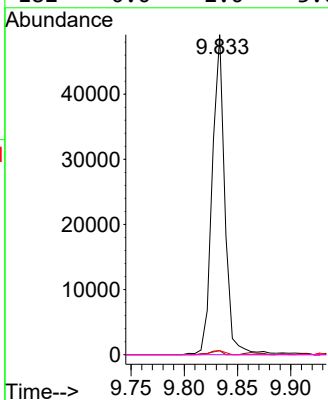
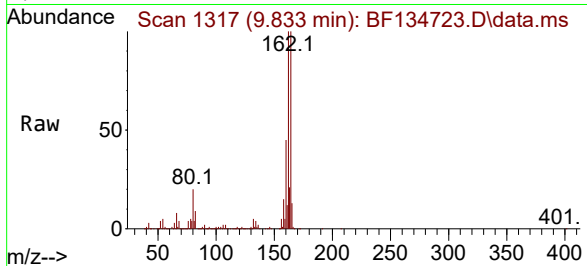




#57
2,4-Dinitrotoluene
Concen: 10.191 ng
RT: 9.833 min Scan# 11
Delta R.T. -0.194 min
Lab File: BF134723.D
Acq: 11 Aug 2023 09:52

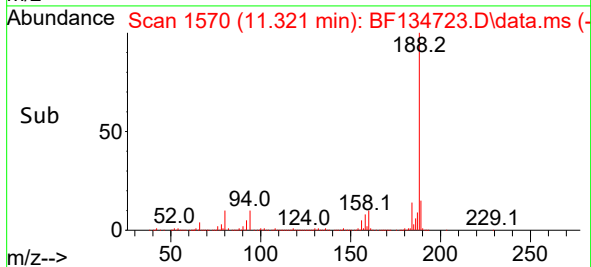
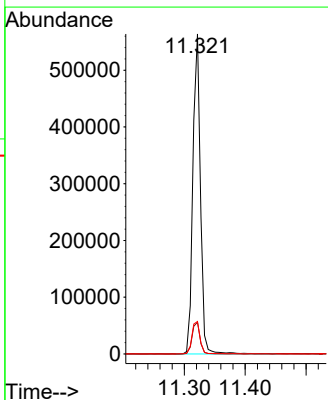
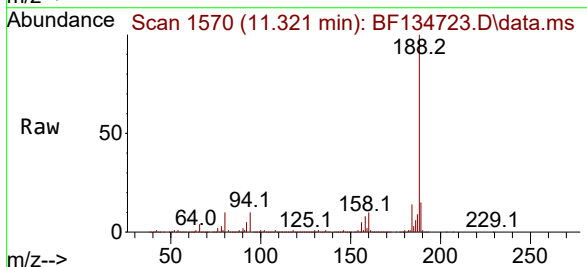
Instrument :
BNA_F
ClientSampleId :
WC-20

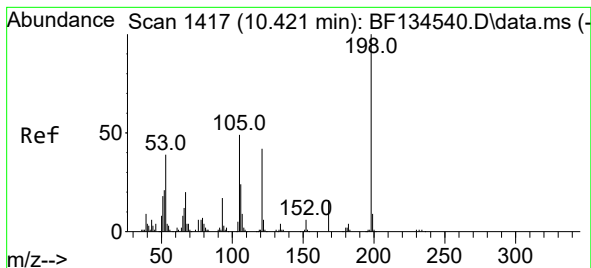
Tgt Ion:165 Resp: 40545
Ion Ratio Lower Upper
165 100
63 1.2 48.9 73.3#
89 1.2 61.7 92.5#
182 0.0 2.0 3.0#



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.321 min Scan# 1570
Delta R.T. -0.000 min
Lab File: BF134723.D
Acq: 11 Aug 2023 09:52

Tgt Ion:188 Resp: 484957
Ion Ratio Lower Upper
188 100
94 10.0 5.1 7.7#
80 10.2 6.6 9.8#

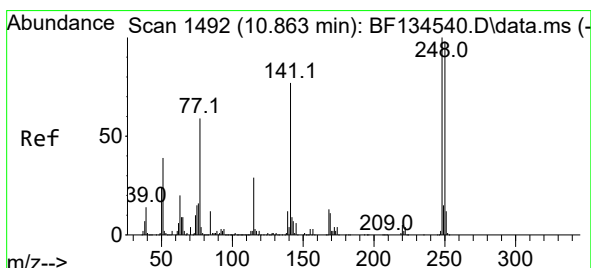
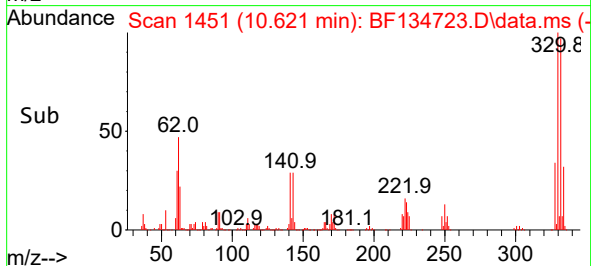
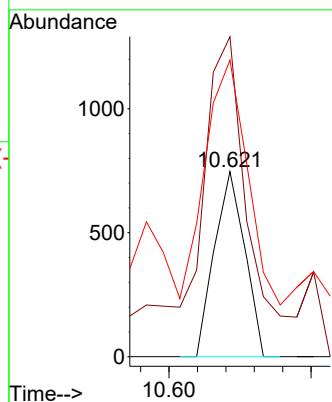
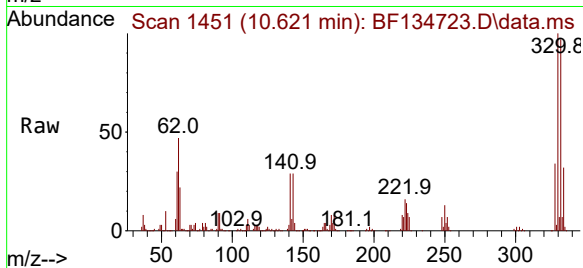




#65
4,6-Dinitro-2-methylphenol
Concen: 8.930 ng
RT: 10.621 min Scan# 1417
Delta R.T. 0.182 min
Lab File: BF134723.D
Acq: 11 Aug 2023 09:52

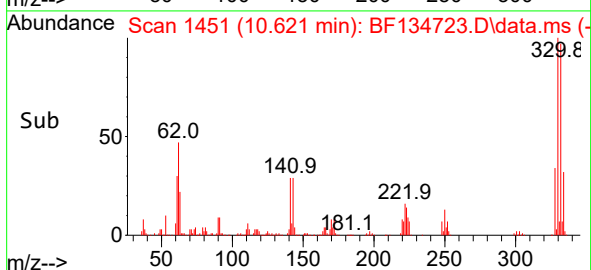
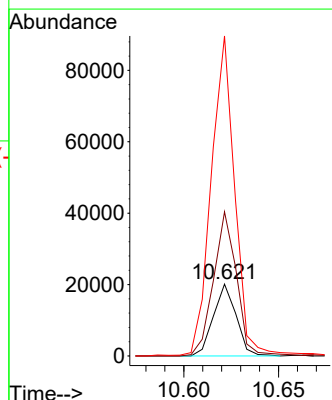
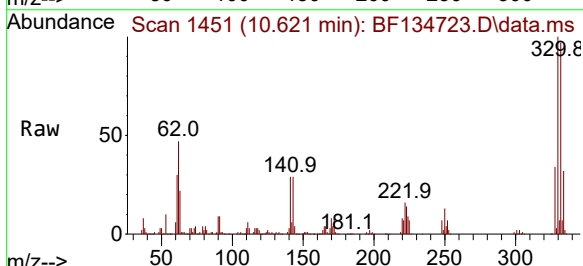
Instrument :
BNA_F
ClientSampleId :
WC-20

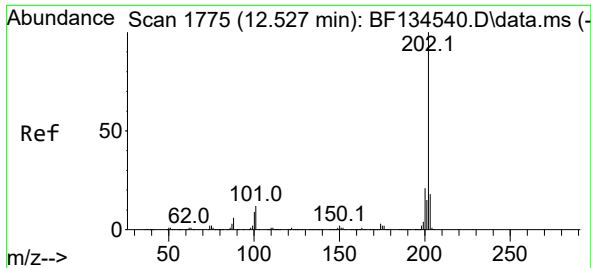
Tgt Ion:198 Resp: 553
Ion Ratio Lower Upper
198 100
51 172.8 38.6 78.6#
105 160.2 27.9 67.9#



#67
4-Bromophenyl-phenylether
Concen: 3.166 ng
RT: 10.621 min Scan# 1451
Delta R.T. -0.247 min
Lab File: BF134723.D
Acq: 11 Aug 2023 09:52

Tgt Ion:248 Resp: 16806
Ion Ratio Lower Upper
248 100
250 200.4 79.6 119.4#
141 445.0 59.6 89.4#

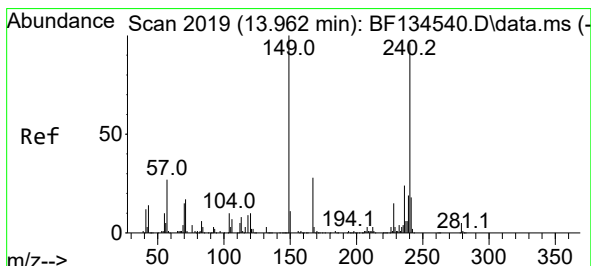
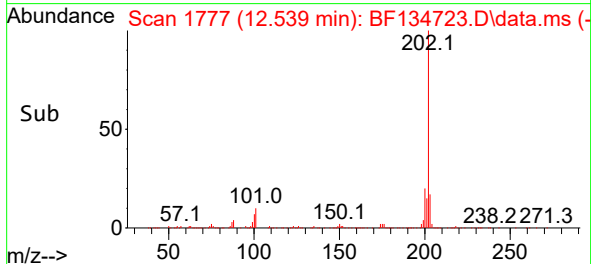
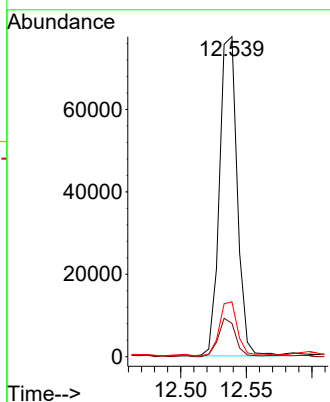
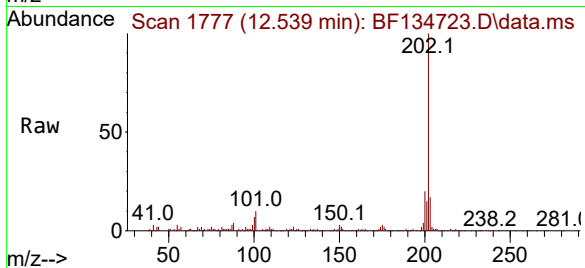




#75
Fluoranthene
Concen: 2.685 ng
RT: 12.539 min Scan# 11
Delta R.T. -0.000 min
Lab File: BF134723.D
Acq: 11 Aug 2023 09:52

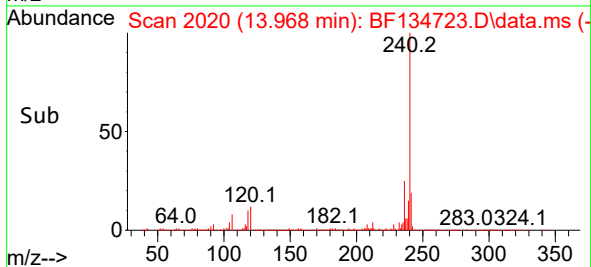
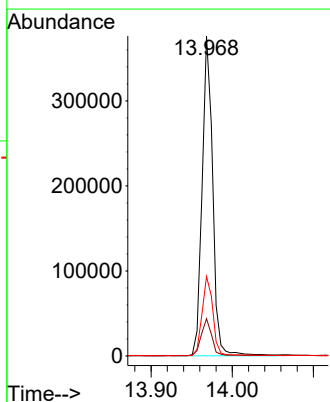
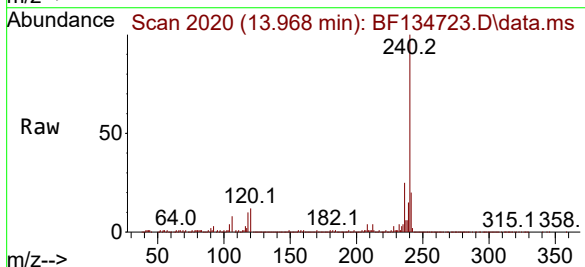
Instrument :
BNA_F
ClientSampleId :
WC-20

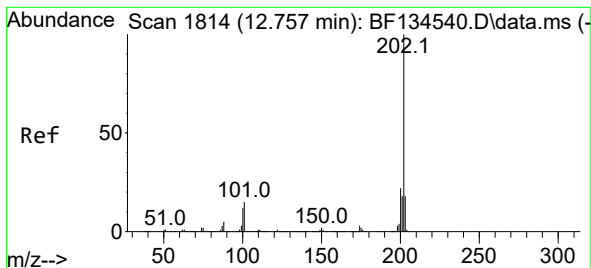
Tgt Ion:202 Resp: 73044
Ion Ratio Lower Upper
202 100
101 10.4 0.0 28.5
203 17.2 0.0 37.5



#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.968 min Scan# 2020
Delta R.T. -0.006 min
Lab File: BF134723.D
Acq: 11 Aug 2023 09:52

Tgt Ion:240 Resp: 338861
Ion Ratio Lower Upper
240 100
120 11.7 6.6 10.0#
236 24.8 20.2 30.2





#78

Pyrene

Concen: 2.188 ng

RT: 12.762 min Scan# 1814

Delta R.T. -0.006 min

Lab File: BF134723.D

Acq: 11 Aug 2023 09:52

Instrument :

BNA_F

ClientSampleId :

WC-20

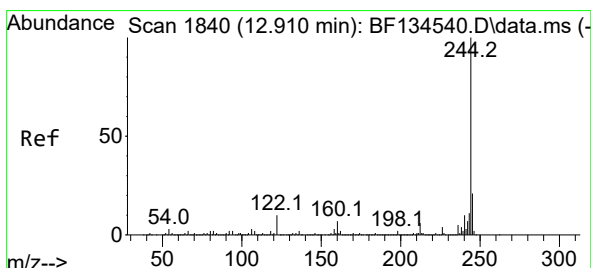
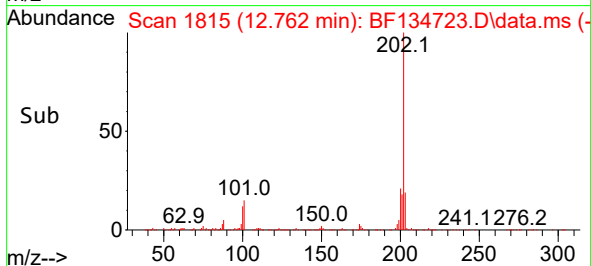
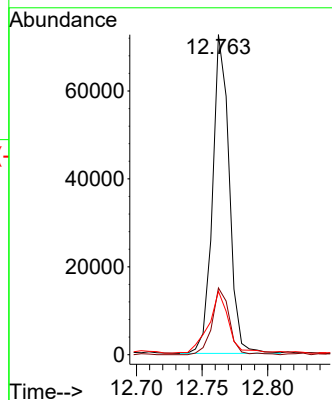
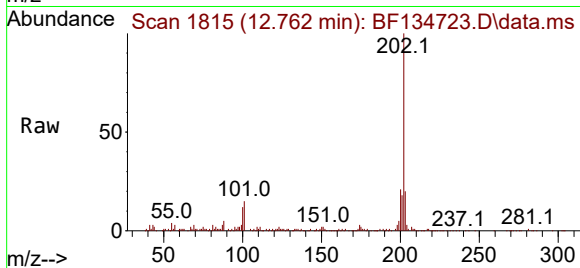
Tgt Ion:202 Resp: 64159

Ion Ratio Lower Upper

202 100

200 20.8 15.8 23.8

203 19.8 13.5 20.3



#79

Terphenyl-d14

Concen: 60.857 ng

RT: 12.915 min Scan# 1841

Delta R.T. -0.006 min

Lab File: BF134723.D

Acq: 11 Aug 2023 09:52

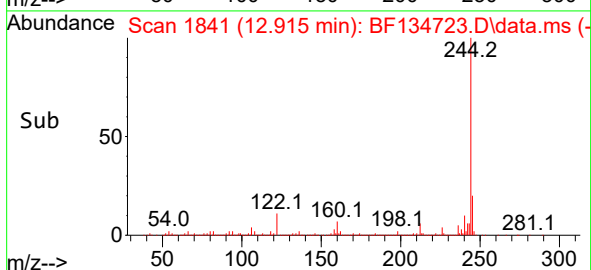
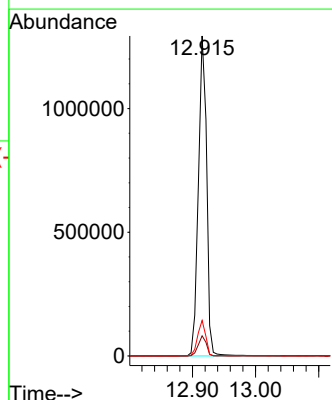
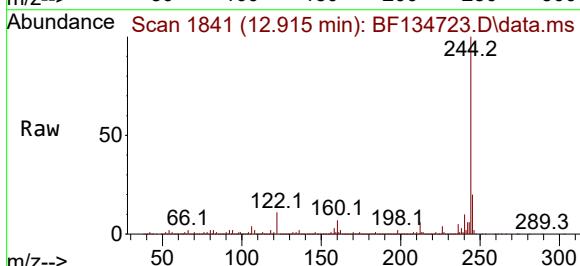
Tgt Ion:244 Resp: 1169798

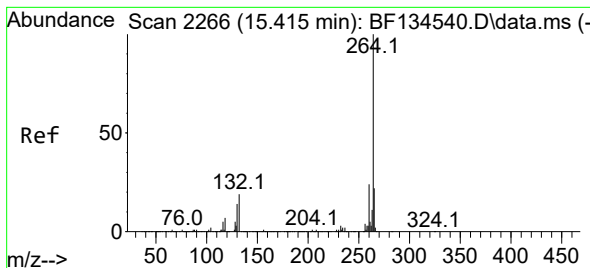
Ion Ratio Lower Upper

244 100

212 6.3 5.6 8.4

122 11.1 8.0 12.0





#86

Perylene-d12

Concen: 20.000 ng

RT: 15.439 min Scan# 2197

Delta R.T. -0.000 min

Lab File: BF134723.D

Acq: 11 Aug 2023 09:52

Instrument :

BNA_F

ClientSampleId :

WC-20

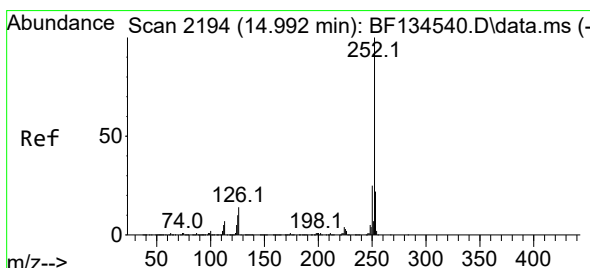
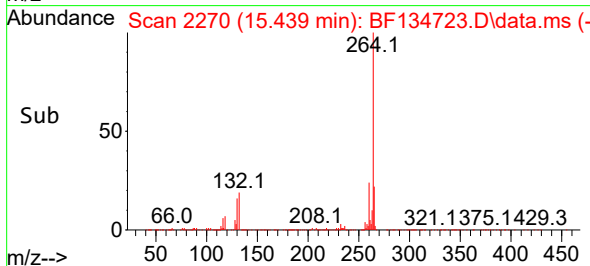
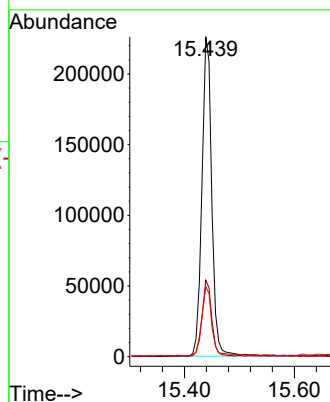
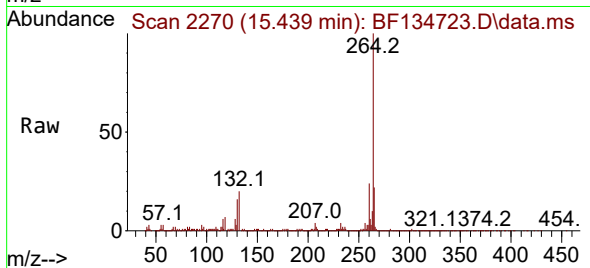
Tgt Ion:264 Resp: 283892

Ion Ratio Lower Upper

264 100

260 23.9 18.4 27.6

265 21.9 15.8 23.8



#88

Benzo(b)fluoranthene

Concen: 3.237 ng

RT: 15.009 min Scan# 2197

Delta R.T. -0.000 min

Lab File: BF134723.D

Acq: 11 Aug 2023 09:52

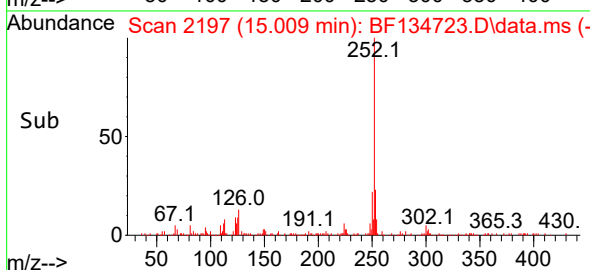
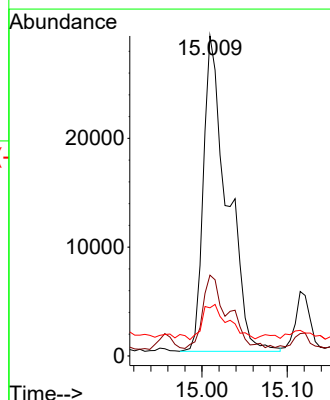
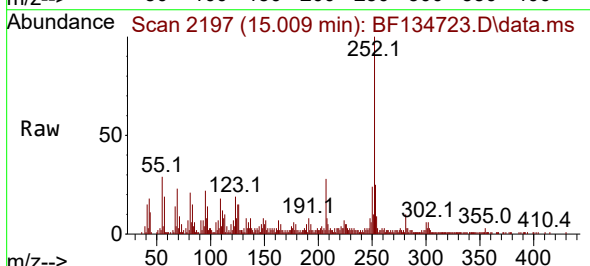
Tgt Ion:252 Resp: 56039

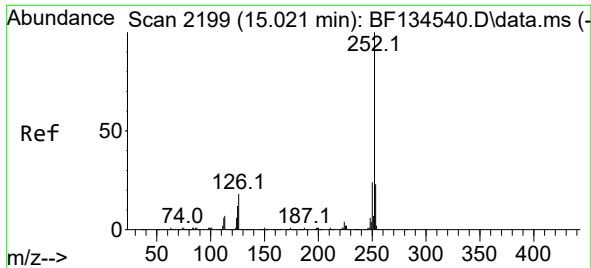
Ion Ratio Lower Upper

252 100

253 25.3 17.3 25.9

125 15.1 6.0 9.0#





#89

Benzo(k)fluoranthene

Concen: 3.249 ng

RT: 15.009 min Scan# 21

Delta R.T. -0.030 min

Lab File: BF134723.D

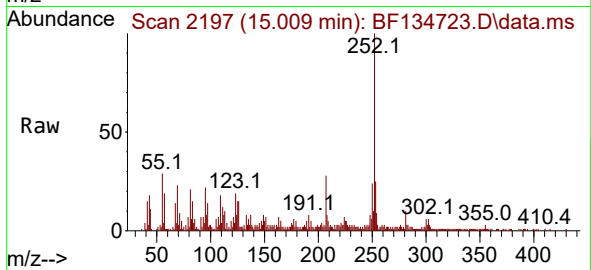
Acq: 11 Aug 2023 09:52

Instrument :

BNA_F

ClientSampleId :

WC-20



Tgt Ion:252 Resp: 56039

Ion Ratio Lower Upper

252 100

253 25.3 17.9 26.9

125 15.1 6.3 9.5#

