

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF011823\
 Data File : BF132131.D
 Acq On : 18 Jan 2023 22:09
 Operator : CG\JU
 Sample : 01135-02
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 WC-2

Quant Time: Jan 19 05:23:57 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF011823.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Jan 19 00:42:19 2023
 Response via : Initial Calibration

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

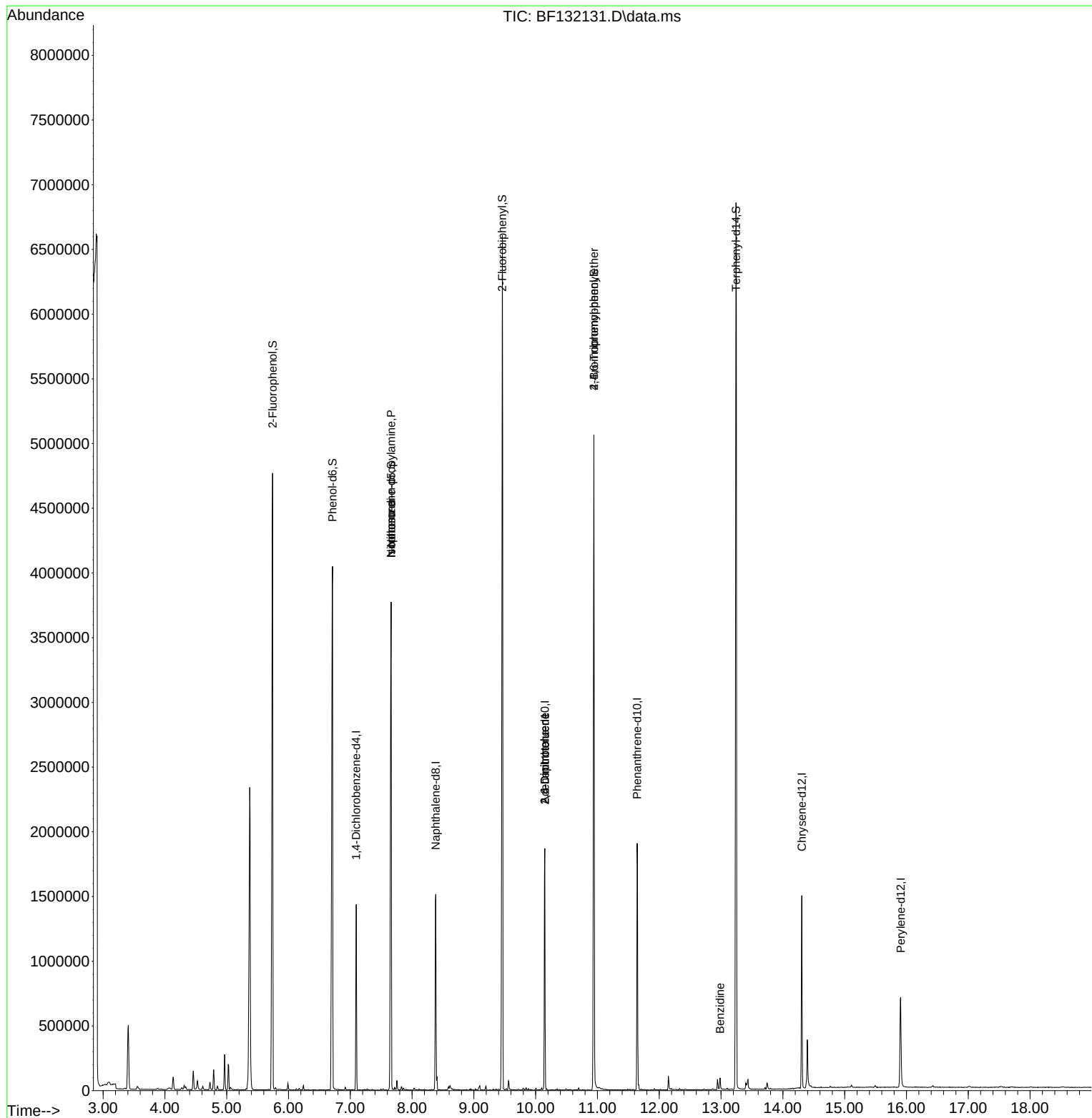
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.095	152	184408	20.000	ng	0.00
21) Naphthalene-d8	8.384	136	675478	20.000	ng	0.00
39) Acenaphthene-d10	10.148	164	365553	20.000	ng	0.00
64) Phenanthrene-d10	11.642	188	727595	20.000	ng	0.00
76) Chrysene-d12	14.307	240	480889	20.000	ng	0.00
86) Perylene-d12	15.907	264	364804	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.743	112	1410668	136.098	ng	0.02
7) Phenol-d6	6.713	99	1699432	126.915	ng	0.00
23) Nitrobenzene-d5	7.660	82	1340253	105.319	ng	0.00
42) 2,4,6-Tribromophenol	10.942	330	656708	164.193	ng	0.00
45) 2-Fluorobiphenyl	9.460	172	2178859	103.706	ng	0.00
79) Terphenyl-d14	13.242	244	2753289	92.897	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propyla...	7.660	70	183119	21.752	ng	Qvalue 79
25) Isophorone	7.660	82	1339023	52.588	ng	# 66
51) 2,6-Dinitrotoluene	10.148	165	47394	8.384	ng	# 17
57) 2,4-Dinitrotoluene	10.148	165	47394	6.788	ng	# 16
67) 4-Bromophenyl-phenylether	10.942	248	42660	5.162	ng	# 1
77) Benzidine	12.983	184	34706	2.680	ng	97

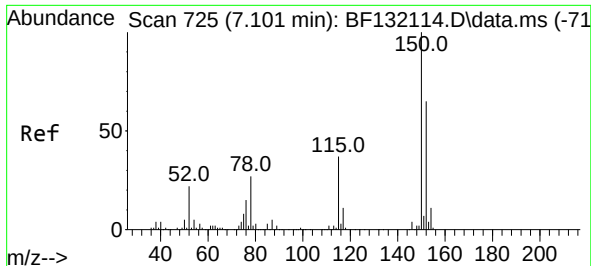
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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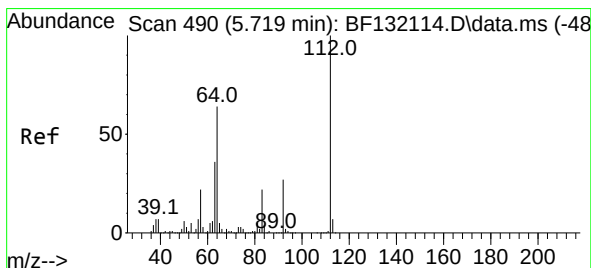
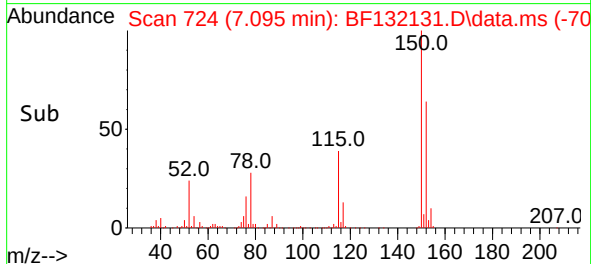
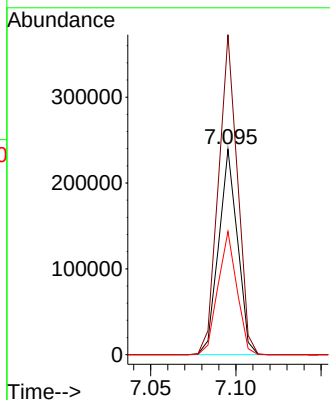
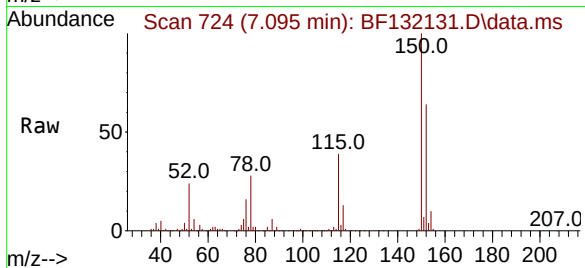




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.095 min Scan# 71
Delta R.T. -0.006 min
Lab File: BF132131.D
Acq: 18 Jan 2023 22:09

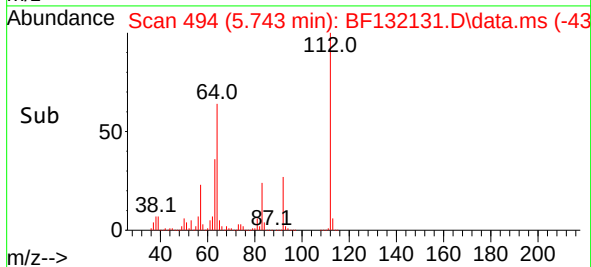
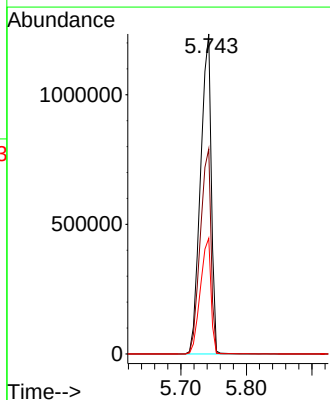
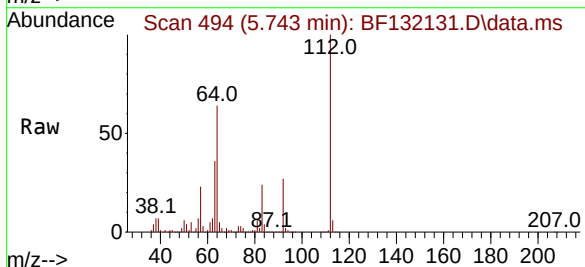
Instrument :
BNA_F
ClientSampleId :
WC-2

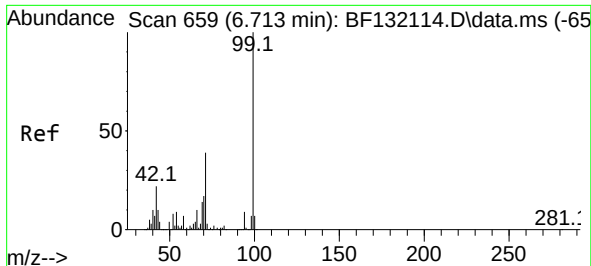
Tgt Ion:152 Resp: 184408
Ion Ratio Lower Upper
152 100
150 155.7 123.3 184.9
115 60.0 45.8 68.6



#5
2-Fluorophenol
Concen: 136.098 ng
RT: 5.743 min Scan# 494
Delta R.T. 0.024 min
Lab File: BF132131.D
Acq: 18 Jan 2023 22:09

Tgt Ion:112 Resp: 1410668
Ion Ratio Lower Upper
112 100
64 64.1 51.0 76.6
63 36.2 28.7 43.1



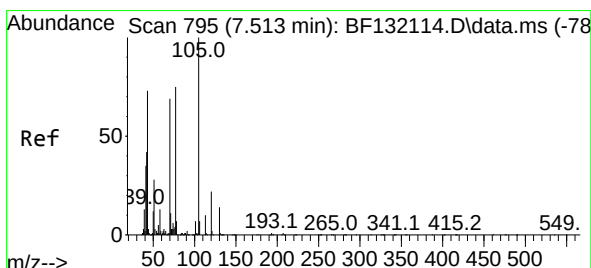
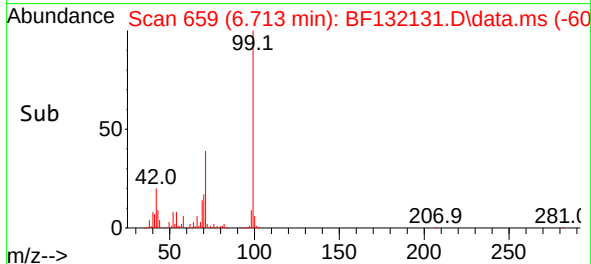
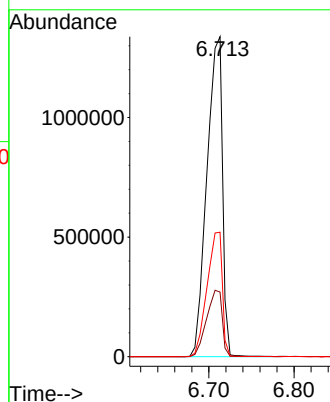
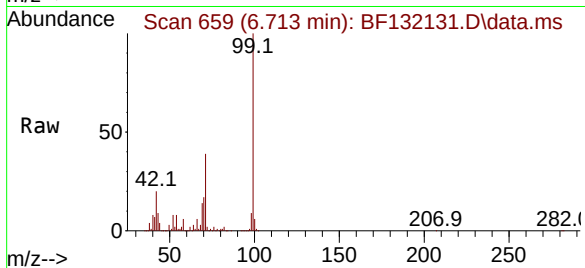


#7
Phenol-d6
Concen: 126.915 ng
RT: 6.713 min Scan# 659
Delta R.T. 0.000 min
Lab File: BF132131.D
Acq: 18 Jan 2023 22:09

Instrument :
BNA_F
ClientSampleId :
WC-2

Tgt Ion: 99 Resp: 1699432

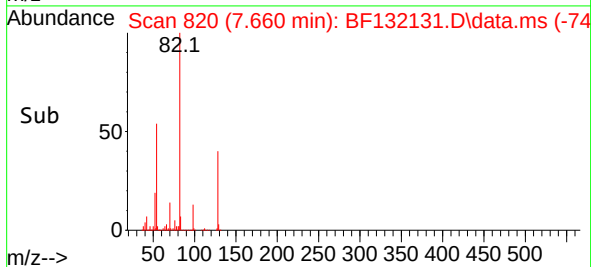
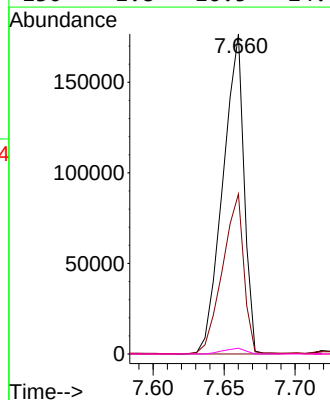
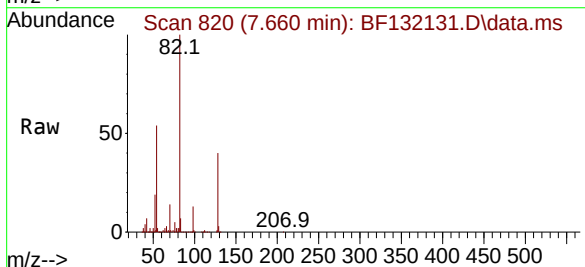
Ion	Ratio	Lower	Upper
99	100		
42	20.2	17.2	25.8
71	38.9	31.0	46.6

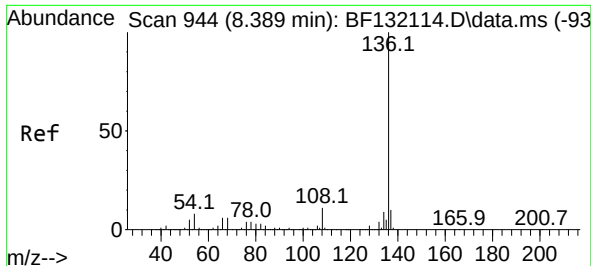


#19
n-Nitroso-di-n-propylamine
Concen: 21.752 ng
RT: 7.660 min Scan# 820
Delta R.T. 0.147 min
Lab File: BF132131.D
Acq: 18 Jan 2023 22:09

Tgt Ion: 70 Resp: 183119

Ion	Ratio	Lower	Upper
70	100		
42	50.0	48.5	72.7
101	0.0	7.8	11.8#
130	1.8	16.5	24.7#



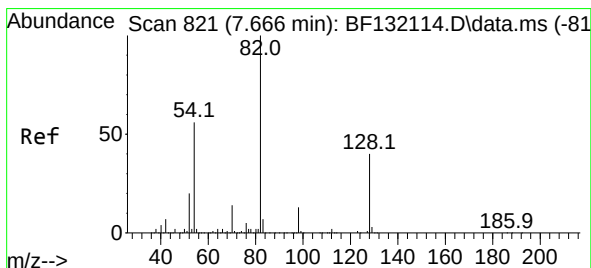
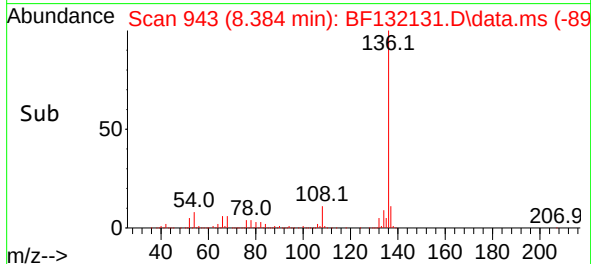
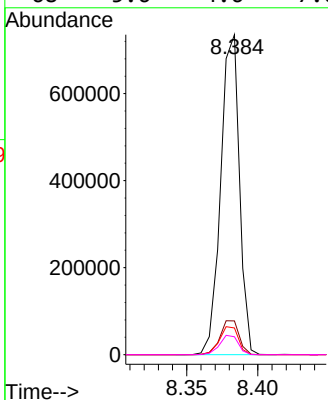
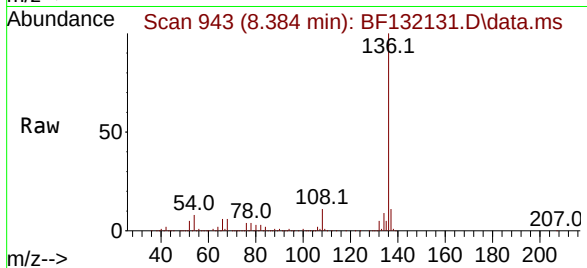


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.384 min Scan# 944
Delta R.T. -0.006 min
Lab File: BF132131.D
Acq: 18 Jan 2023 22:09

Instrument :
BNA_F
ClientSampleId :
WC-2

Tgt Ion:136 Resp: 675478

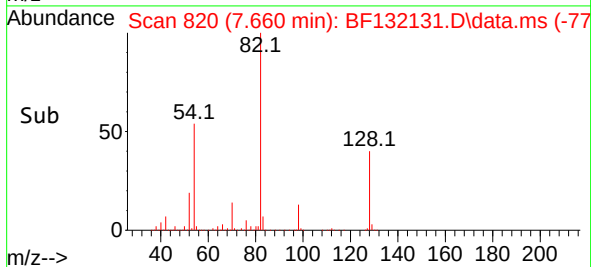
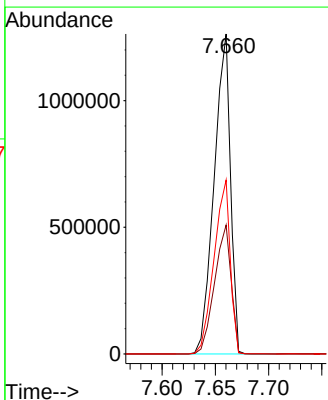
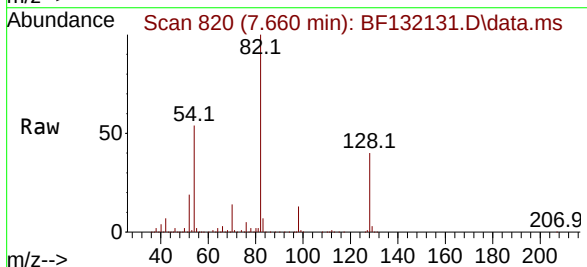
Ion	Ratio	Lower	Upper
136	100		
137	10.6	8.4	12.6
54	8.3	6.6	10.0
68	5.6	4.6	7.0

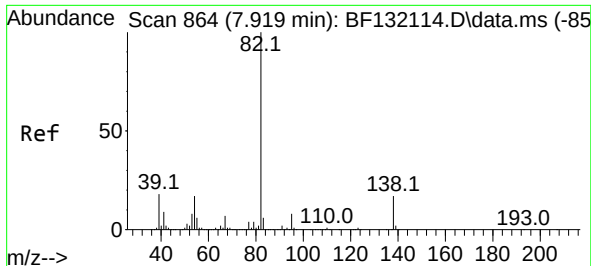


#23
Nitrobenzene-d5
Concen: 105.319 ng
RT: 7.660 min Scan# 820
Delta R.T. -0.006 min
Lab File: BF132131.D
Acq: 18 Jan 2023 22:09

Tgt Ion: 82 Resp: 1340253

Ion	Ratio	Lower	Upper
82	100		
128	40.3	32.0	48.0
54	54.4	45.1	67.7





#25

Isophorone

Concen: 52.588 ng

RT: 7.660 min Scan# 81

Delta R.T. -0.259 min

Lab File: BF132131.D

Acq: 18 Jan 2023 22:09

Instrument :

BNA_F

ClientSampleId :

WC-2

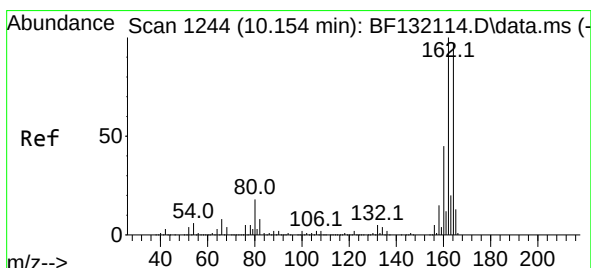
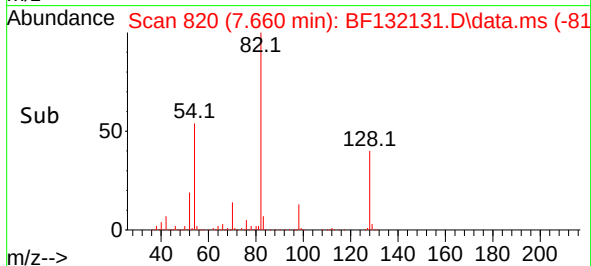
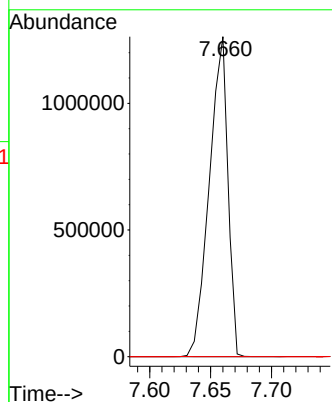
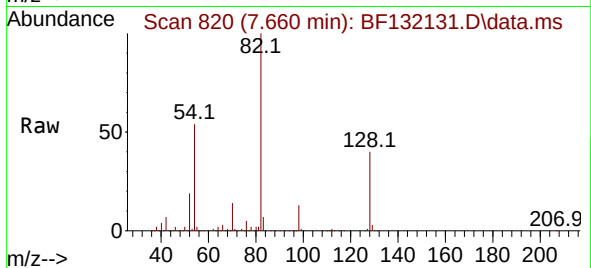
Tgt Ion: 82 Resp: 1339023

Ion Ratio Lower Upper

82 100

95 0.0 6.3 9.5#

138 0.0 13.4 20.2#



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 10.148 min Scan# 1243

Delta R.T. -0.006 min

Lab File: BF132131.D

Acq: 18 Jan 2023 22:09

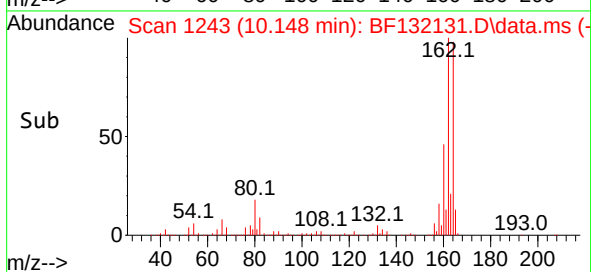
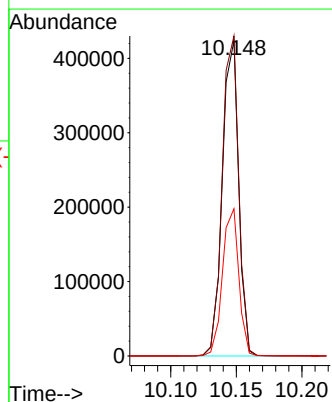
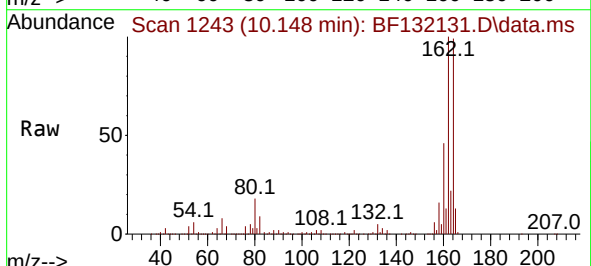
Tgt Ion:164 Resp: 365553

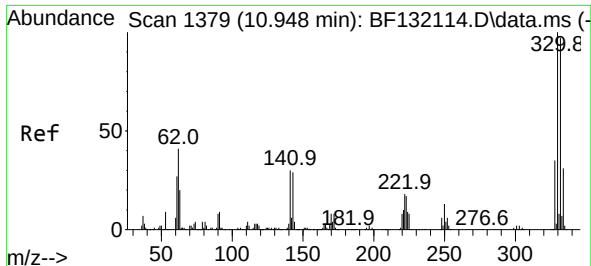
Ion Ratio Lower Upper

164 100

162 101.5 82.3 123.5

160 46.7 37.3 55.9





#42

2,4,6-Tribromophenol

Concen: 164.193 ng

RT: 10.942 min Scan# 1126

Delta R.T. -0.006 min

Lab File: BF132131.D

Acq: 18 Jan 2023 22:09

Instrument :

BNA_F

ClientSampleId :

WC-2

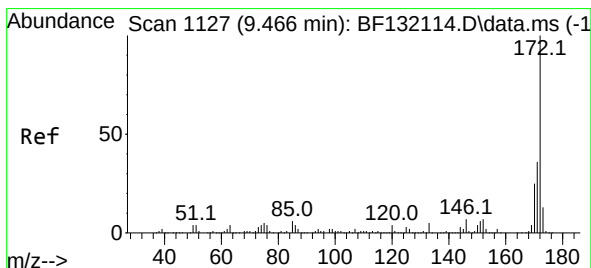
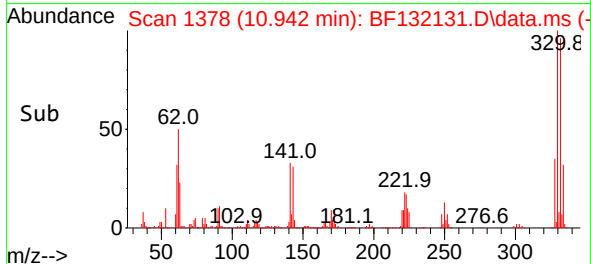
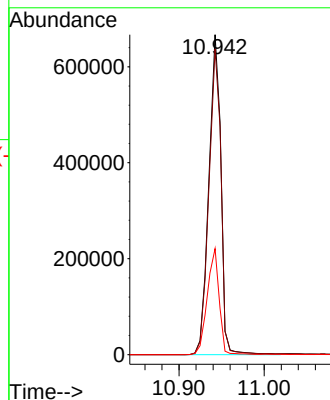
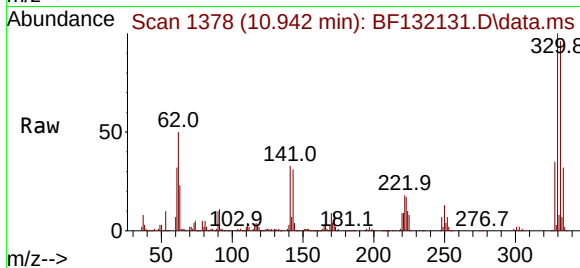
Tgt Ion:330 Resp: 656708

Ion Ratio Lower Upper

330 100

332 95.8 77.1 115.7

141 32.8 28.2 42.4



#45

2-Fluorobiphenyl

Concen: 103.706 ng

RT: 9.460 min Scan# 1126

Delta R.T. -0.006 min

Lab File: BF132131.D

Acq: 18 Jan 2023 22:09

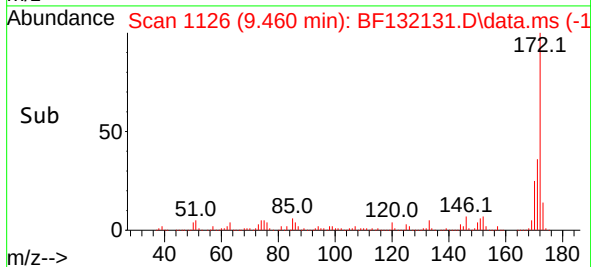
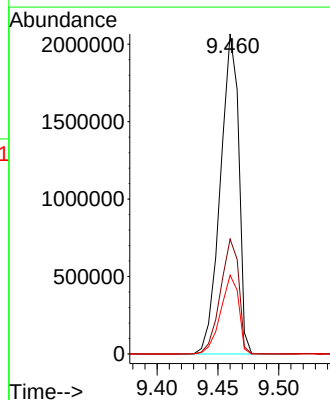
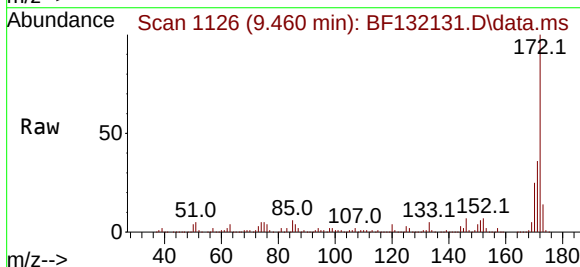
Tgt Ion:172 Resp: 2178859

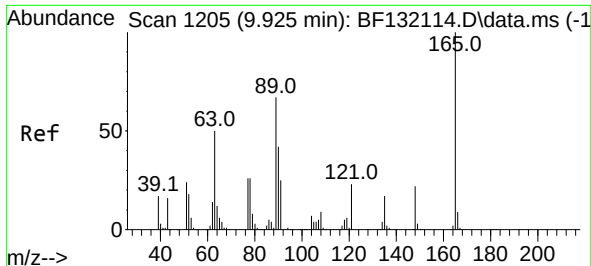
Ion Ratio Lower Upper

172 100

171 35.9 29.0 43.4

170 24.6 19.7 29.5

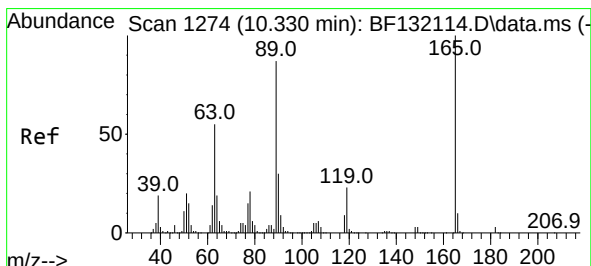
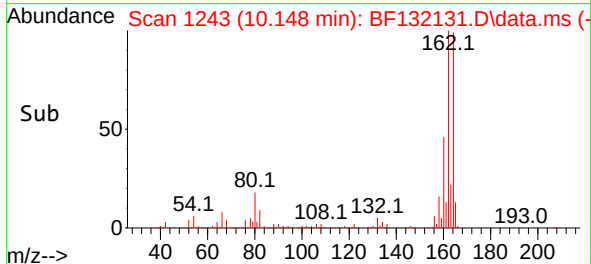
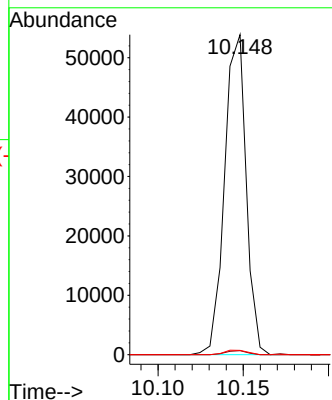
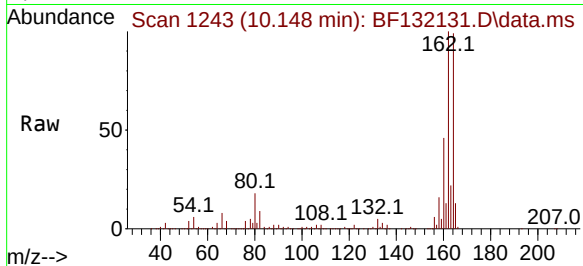




#51
2,6-Dinitrotoluene
Concen: 8.384 ng
RT: 10.148 min Scan# 1243
Delta R.T. 0.224 min
Lab File: BF132131.D
Acq: 18 Jan 2023 22:09

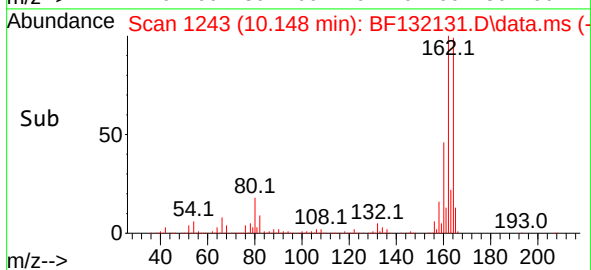
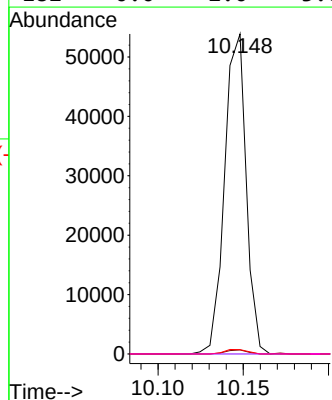
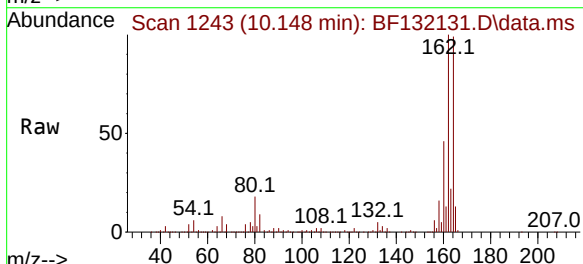
Instrument :
BNA_F
ClientSampleId :
WC-2

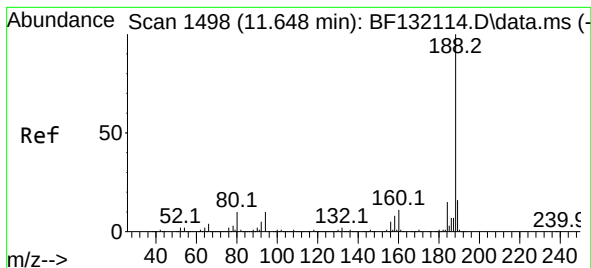
Tgt Ion:165 Resp: 47394
Ion Ratio Lower Upper
165 100
63 1.2 57.0 85.4#
89 1.4 54.0 81.0#



#57
2,4-Dinitrotoluene
Concen: 6.788 ng
RT: 10.148 min Scan# 1243
Delta R.T. -0.182 min
Lab File: BF132131.D
Acq: 18 Jan 2023 22:09

Tgt Ion:165 Resp: 47394
Ion Ratio Lower Upper
165 100
63 1.2 44.1 66.1#
89 1.4 69.3 103.9#
182 0.0 2.0 3.0#





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.642 min Scan# 1498

Delta R.T. -0.006 min

Lab File: BF132131.D

Acq: 18 Jan 2023 22:09

Instrument :

BNA_F

ClientSampleId :

WC-2

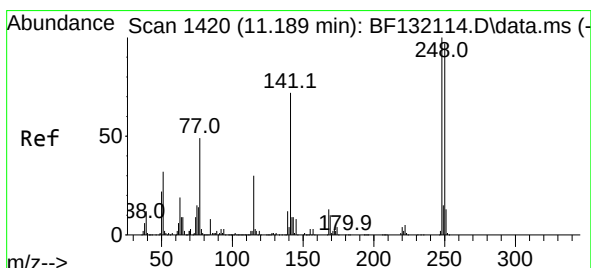
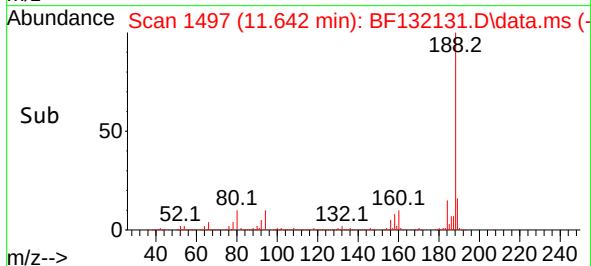
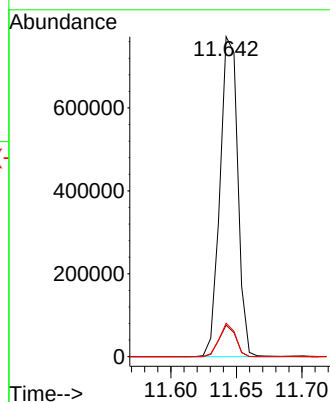
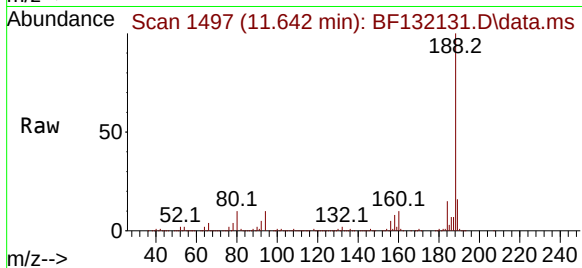
Tgt Ion:188 Resp: 727595

Ion Ratio Lower Upper

188 100

94 9.9 7.8 11.6

80 10.5 8.2 12.4



#67

4-Bromophenyl-phenylether

Concen: 5.162 ng

RT: 10.942 min Scan# 1378

Delta R.T. -0.247 min

Lab File: BF132131.D

Acq: 18 Jan 2023 22:09

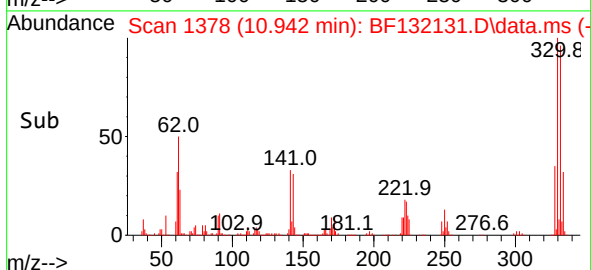
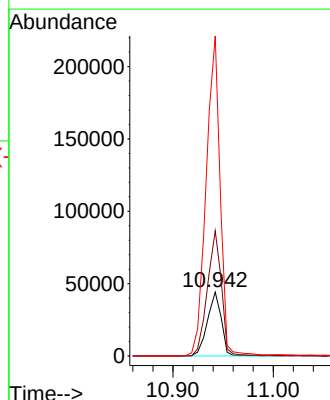
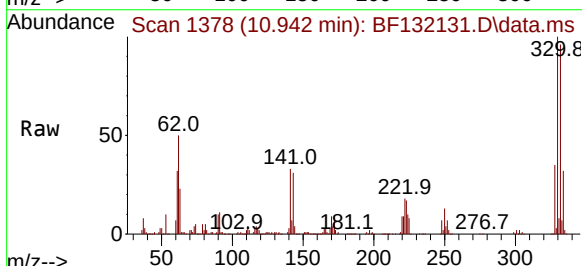
Tgt Ion:248 Resp: 42660

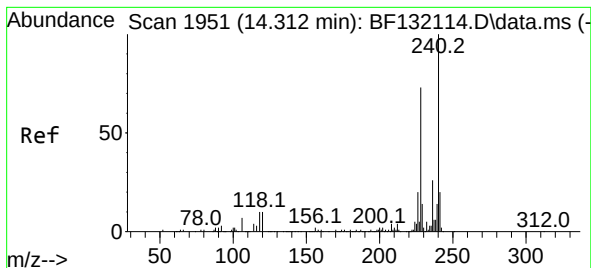
Ion Ratio Lower Upper

248 100

250 195.9 77.8 116.8#

141 500.8 57.6 86.4#





#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.307 min Scan# 1950

Delta R.T. -0.006 min

Lab File: BF132131.D

Acq: 18 Jan 2023 22:09

Instrument :

BNA_F

ClientSampleId :

WC-2

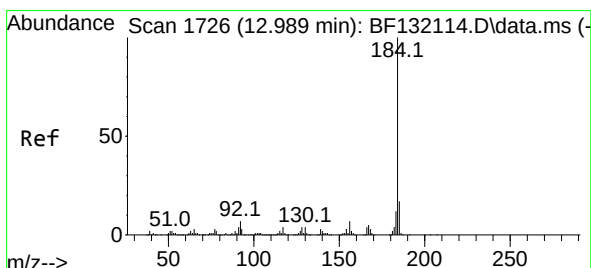
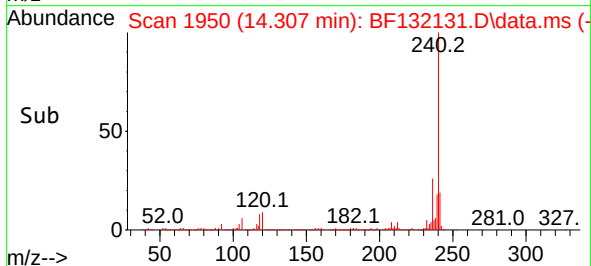
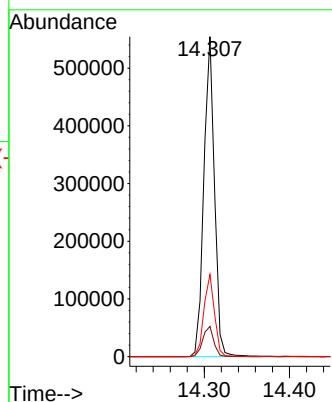
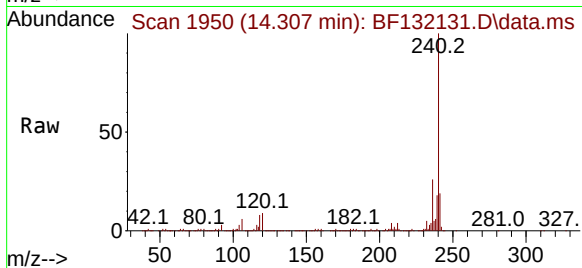
Tgt Ion:240 Resp: 480889

Ion Ratio Lower Upper

240 100

120 9.5 8.2 12.4

236 25.7 21.2 31.8



#77

Benzidine

Concen: 2.680 ng

RT: 12.983 min Scan# 1725

Delta R.T. -0.006 min

Lab File: BF132131.D

Acq: 18 Jan 2023 22:09

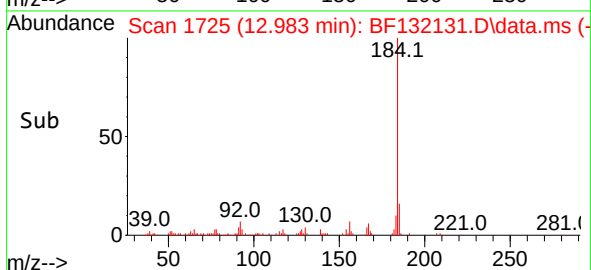
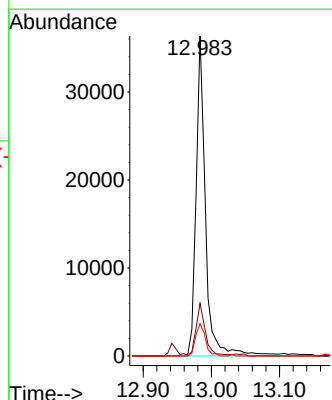
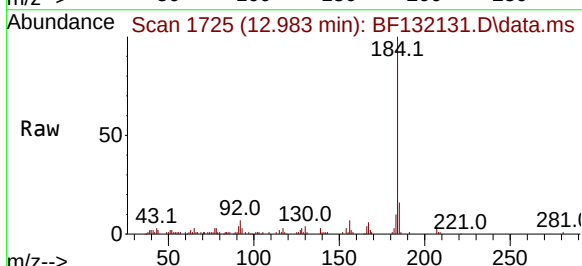
Tgt Ion:184 Resp: 34706

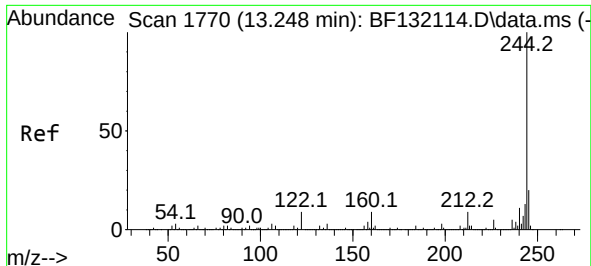
Ion Ratio Lower Upper

184 100

185 16.5 13.7 20.5

183 10.1 9.4 14.0

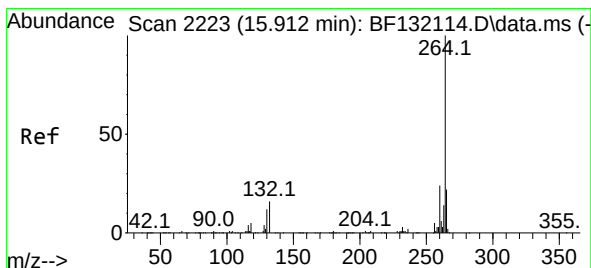
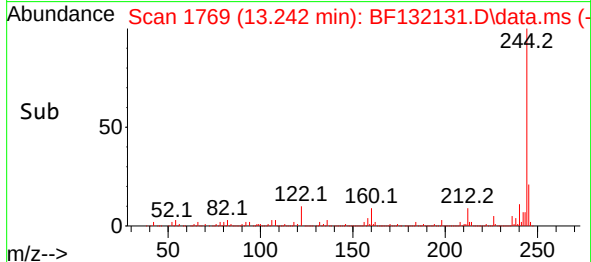
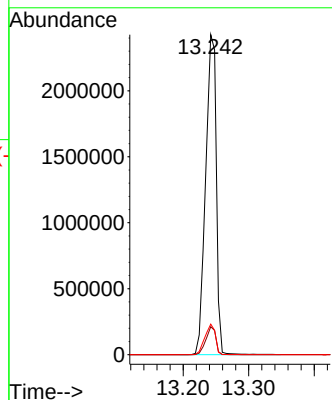
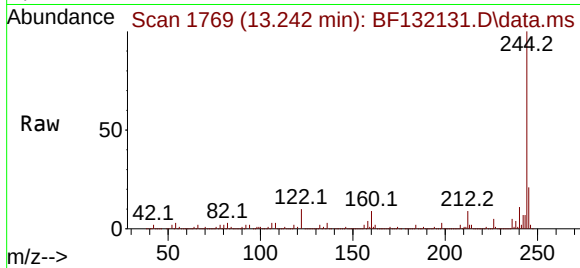




#79
 Terphenyl-d14
 Concen: 92.897 ng
 RT: 13.242 min Scan# 1769
 Delta R.T. -0.006 min
 Lab File: BF132131.D
 Acq: 18 Jan 2023 22:09

Instrument :
 BNA_F
 ClientSampleId :
 WC-2

Tgt Ion:244 Resp: 2753289
 Ion Ratio Lower Upper
 244 100
 212 8.7 6.9 10.3
 122 9.5 7.0 10.6



#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.907 min Scan# 2222
 Delta R.T. -0.006 min
 Lab File: BF132131.D
 Acq: 18 Jan 2023 22:09

Tgt Ion:264 Resp: 364804
 Ion Ratio Lower Upper
 264 100
 260 24.7 19.1 28.7
 265 21.9 17.5 26.3

