

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF051723\
 Data File : BF133413.D
 Acq On : 17 May 2023 15:09
 Operator : CG\JU
 Sample : 02774-04
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 WC-N-1

Quant Time: May 17 17:11:45 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF042123.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue May 16 14:39:29 2023
 Response via : Initial Calibration

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

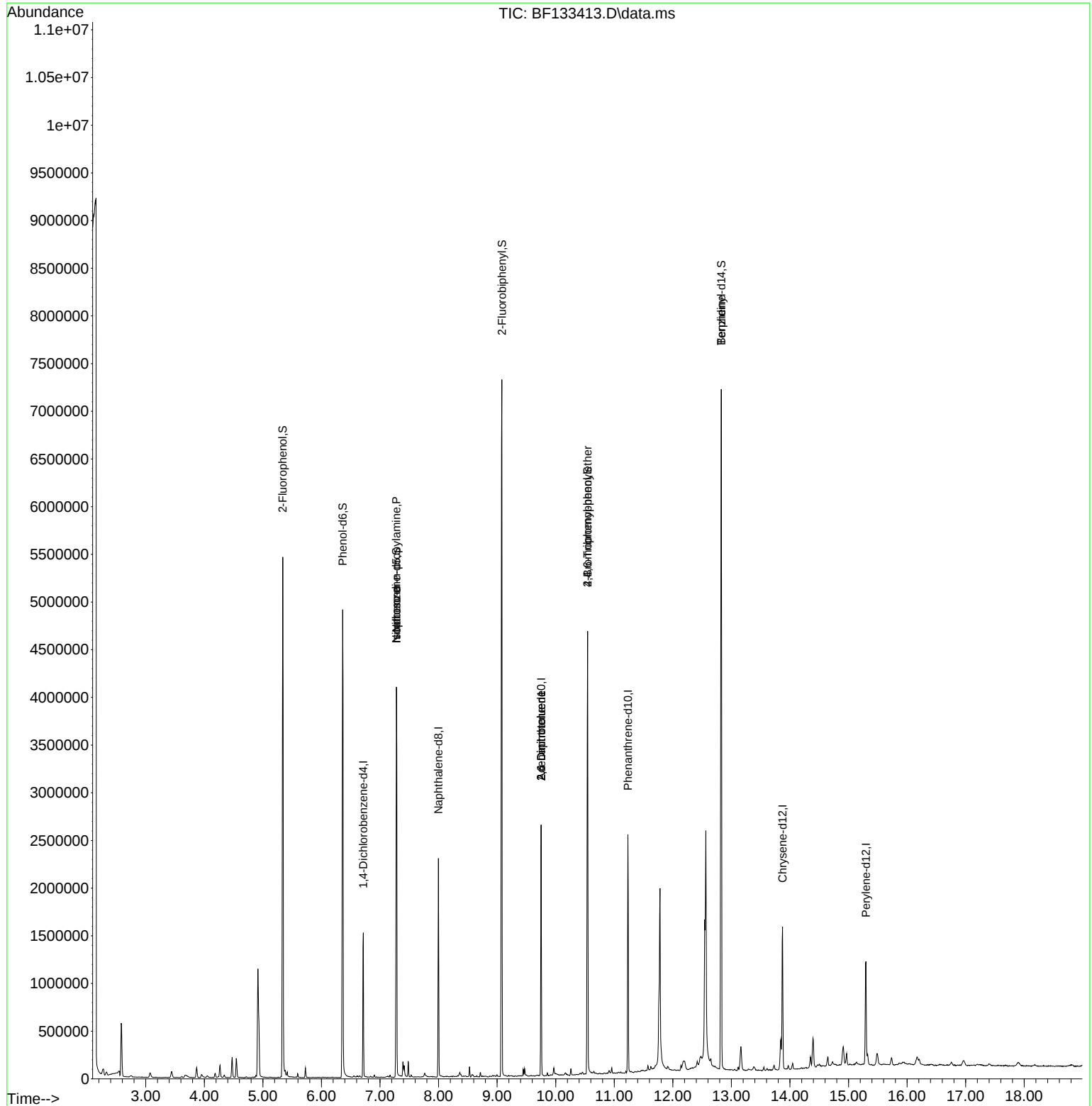
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.716	152	222763	20.000	ng	0.00
21) Naphthalene-d8	7.998	136	889802	20.000	ng	-0.01
39) Acenaphthene-d10	9.751	164	476017	20.000	ng	-0.01
64) Phenanthrene-d10	11.233	188	892617	20.000	ng	-0.01
76) Chrysene-d12	13.874	240	490394	20.000	ng	-0.01
86) Perylene-d12	15.298	264	495221	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.340	112	1733455	117.550	ng	0.00
7) Phenol-d6	6.363	99	1927176	105.290	ng	0.00
23) Nitrobenzene-d5	7.281	82	1402734	85.092	ng	-0.01
42) 2,4,6-Tribromophenol	10.545	330	630830	131.773	ng	0.00
45) 2-Fluorobiphenyl	9.080	172	2386307	83.869	ng	0.00
79) Terphenyl-d14	12.827	244	2940630	103.419	ng	0.00
Target Compounds						
					Qvalue	
9) Benzaldehyde	6.263	77	808	Below Cal	#	47
19) n-Nitroso-di-n-propyla...	7.281	70	183047	16.064	ng	# 76
25) Isophorone	7.281	82	1401620	44.781	ng	# 63
51) 2,6-Dinitrotoluene	9.751	165	62691	8.392	ng	# 25
57) 2,4-Dinitrotoluene	9.751	165	62691	6.580	ng	# 23
67) 4-Bromophenyl-phenylether	10.545	248	39588	4.089	ng	# 1
77) Benizidine	12.827	184	33736	4.068	ng	# 95

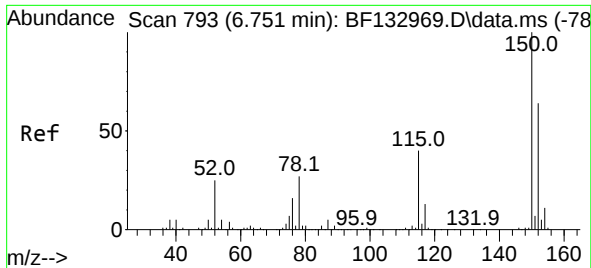
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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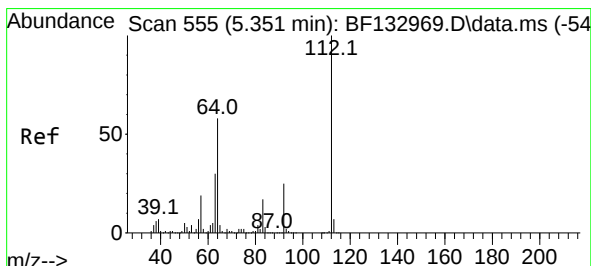
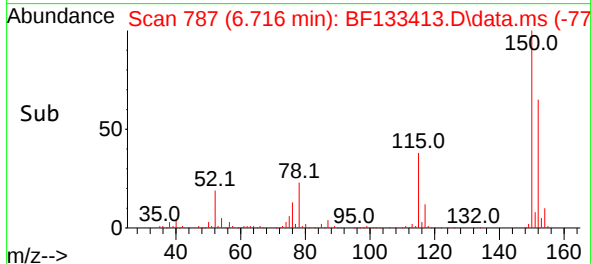
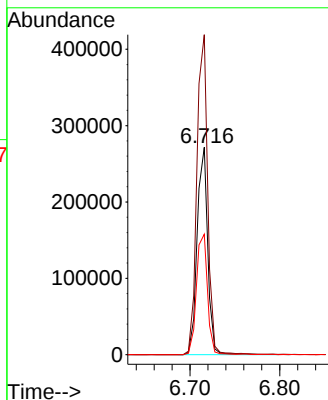
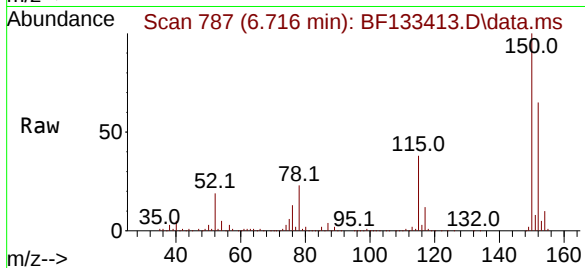




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.716 min Scan# 71
Delta R.T. -0.006 min
Lab File: BF133413.D
Acq: 17 May 2023 15:09

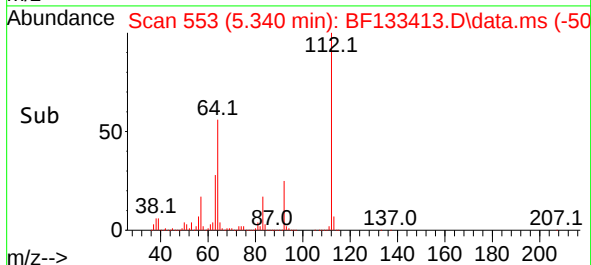
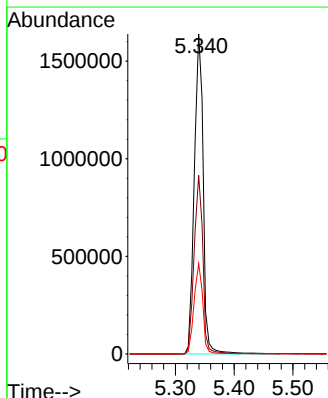
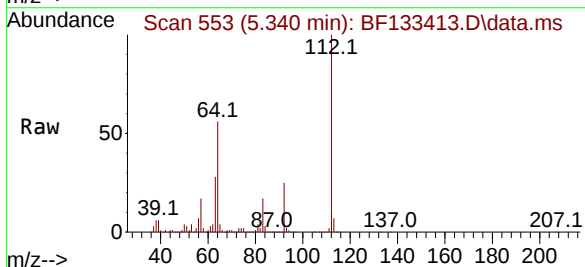
Instrument :
BNA_F
ClientSampleId :
WC-N-1

Tgt Ion:152 Resp: 222763
Ion Ratio Lower Upper
152 100
150 154.3 124.8 187.2
115 58.1 49.9 74.9



#5
2-Fluorophenol
Concen: 117.550 ng
RT: 5.340 min Scan# 553
Delta R.T. 0.006 min
Lab File: BF133413.D
Acq: 17 May 2023 15:09

Tgt Ion:112 Resp: 1733455
Ion Ratio Lower Upper
112 100
64 55.8 46.8 70.2
63 28.2 23.8 35.8

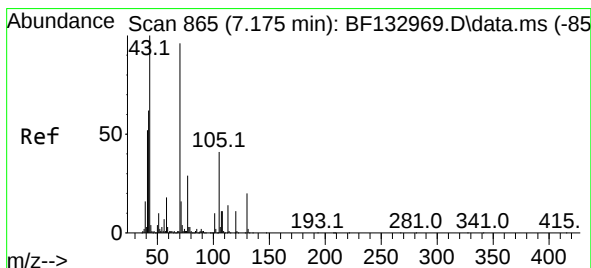
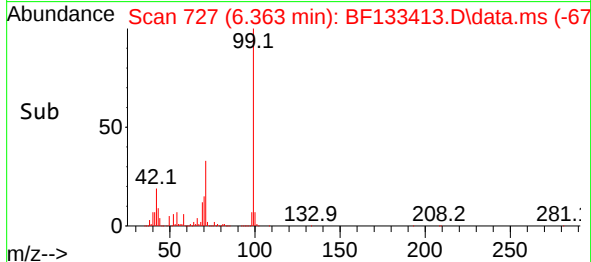
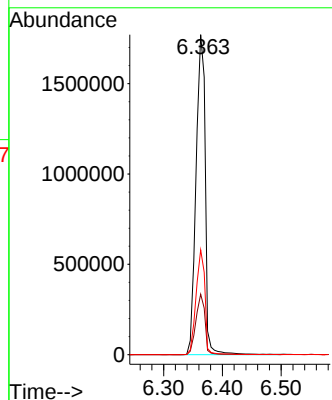
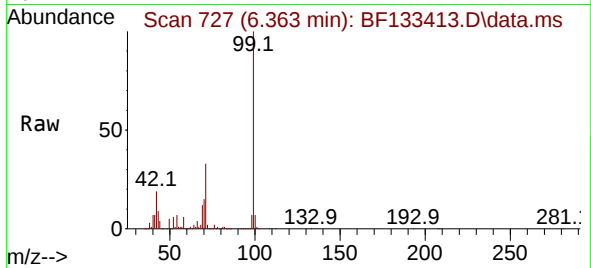




#7
Phenol-d6
Concen: 105.290 ng
RT: 6.363 min Scan# 71
Delta R.T. -0.006 min
Lab File: BF133413.D
Acq: 17 May 2023 15:09

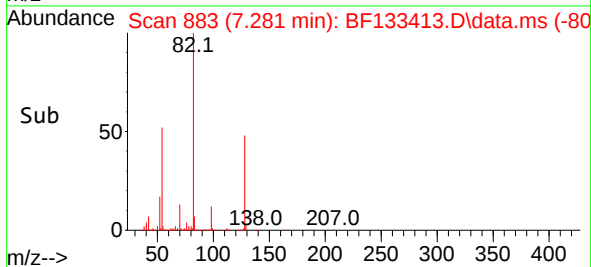
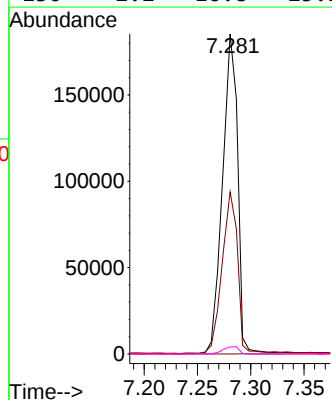
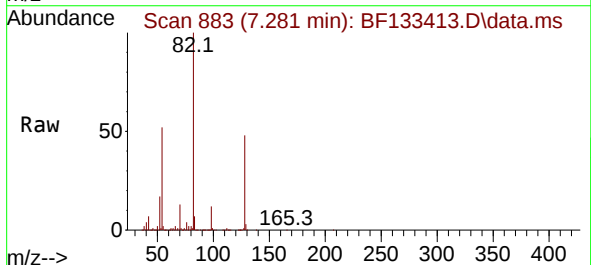
Instrument :
BNA_F
ClientSampleId :
WC-N-1

Tgt Ion: 99 Resp: 1927176
Ion Ratio Lower Upper
99 100
42 18.9 16.3 24.5
71 32.7 25.6 38.4



#19
n-Nitroso-di-n-propylamine
Concen: 16.064 ng
RT: 7.281 min Scan# 883
Delta R.T. 0.135 min
Lab File: BF133413.D
Acq: 17 May 2023 15:09

Tgt Ion: 70 Resp: 183047
Ion Ratio Lower Upper
70 100
42 50.6 51.8 77.6#
101 0.0 8.0 12.0#
130 2.2 16.8 25.2#



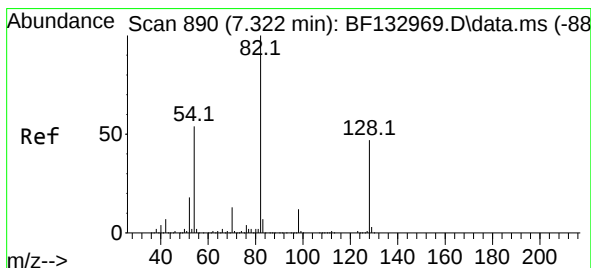
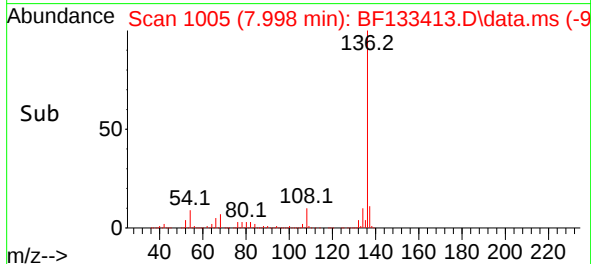
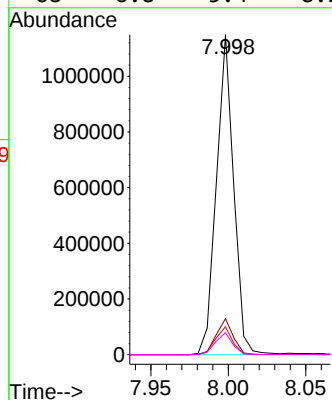
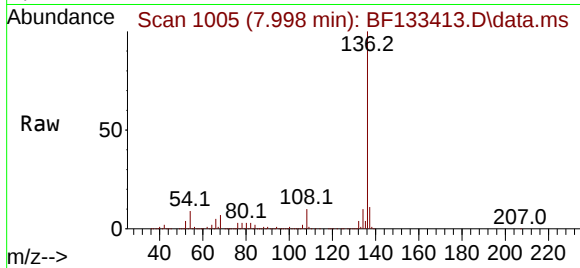


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 7.998 min Scan# 1012
Delta R.T. -0.012 min
Lab File: BF133413.D
Acq: 17 May 2023 15:09

Instrument :
BNA_F
ClientSampleId :
WC-N-1

Tgt Ion:136 Resp: 889802

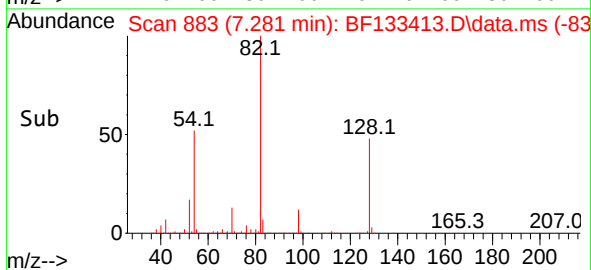
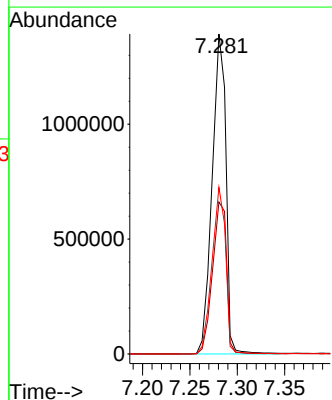
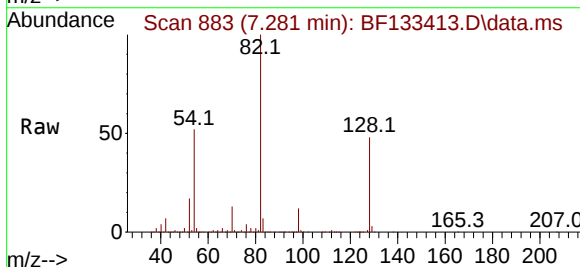
Ion	Ratio	Lower	Upper
136	100		
137	11.3	8.6	13.0
54	8.7	7.0	10.4
68	6.8	5.4	8.2

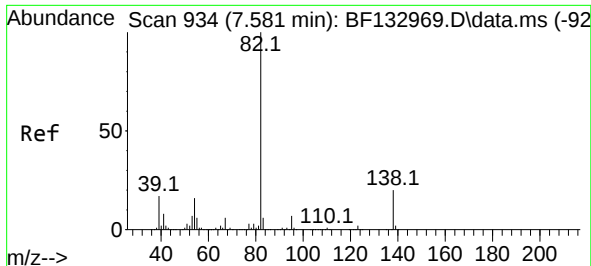


#23
Nitrobenzene-d5
Concen: 85.092 ng
RT: 7.281 min Scan# 883
Delta R.T. -0.012 min
Lab File: BF133413.D
Acq: 17 May 2023 15:09

Tgt Ion: 82 Resp: 1402734

Ion	Ratio	Lower	Upper
82	100		
128	47.5	37.7	56.5
54	52.0	43.0	64.4

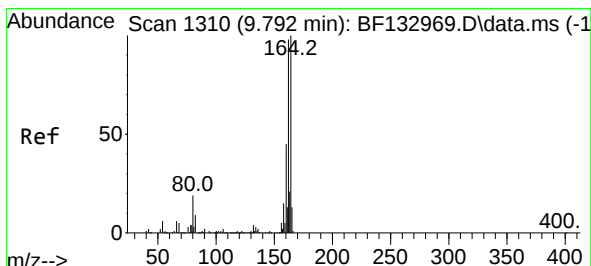
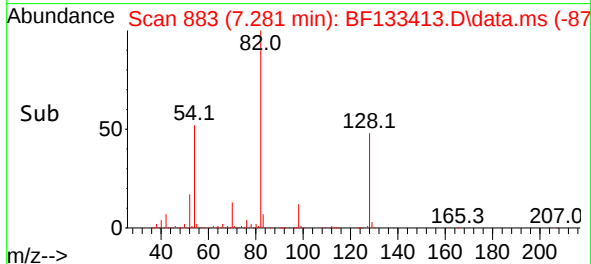
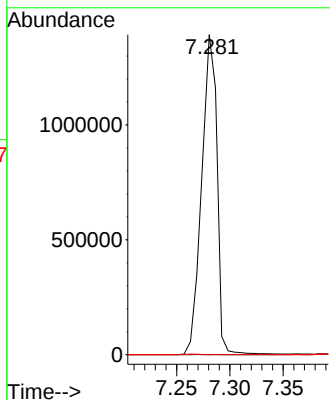
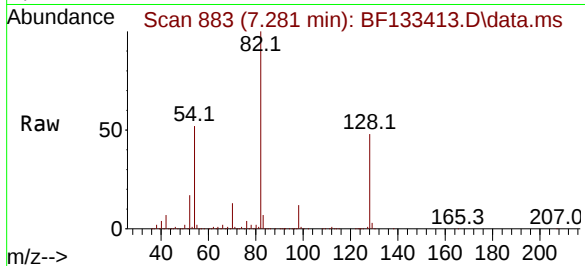




#25
Isophorone
Concen: 44.781 ng
RT: 7.281 min Scan# 81
Delta R.T. -0.271 min
Lab File: BF133413.D
Acq: 17 May 2023 15:09

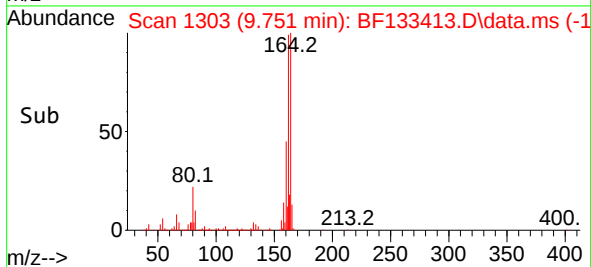
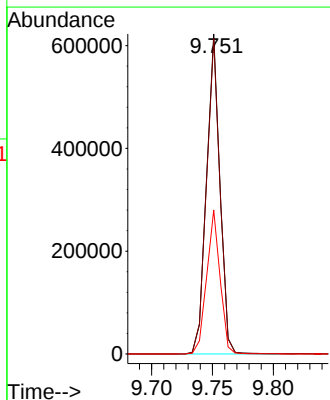
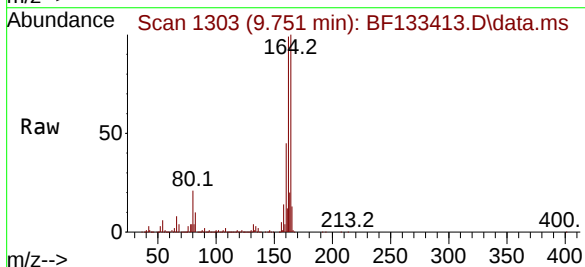
Instrument :
BNA_F
ClientSampleId :
WC-N-1

Tgt Ion: 82 Resp: 1401620
Ion Ratio Lower Upper
82 100
95 0.0 5.4 8.0#
138 0.0 16.0 24.0#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.751 min Scan# 1303
Delta R.T. -0.012 min
Lab File: BF133413.D
Acq: 17 May 2023 15:09

Tgt Ion:164 Resp: 476017
Ion Ratio Lower Upper
164 100
162 98.6 78.7 118.1
160 45.0 35.8 53.6





#42

2,4,6-Tribromophenol

Concen: 131.773 ng

RT: 10.545 min Scan# 1444

Delta R.T. -0.006 min

Lab File: BF133413.D

Acq: 17 May 2023 15:09

Instrument :

BNA_F

ClientSampleId :

WC-N-1

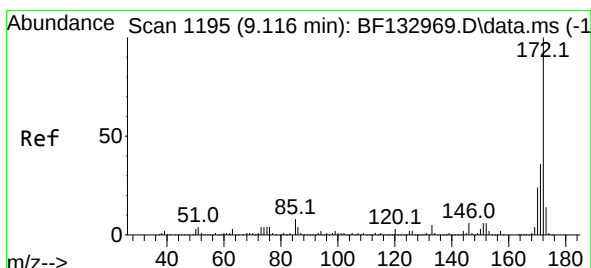
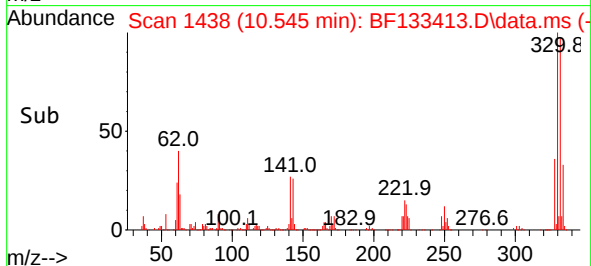
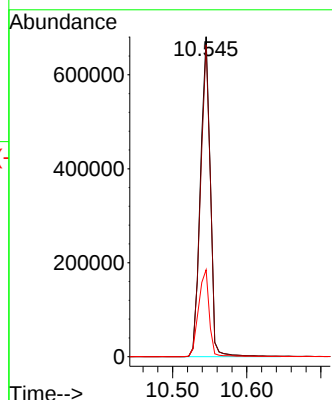
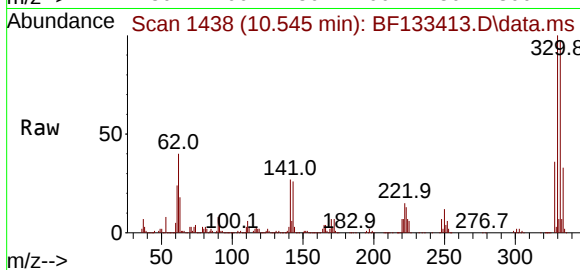
Tgt Ion:330 Resp: 630830

Ion Ratio Lower Upper

330 100

332 97.1 77.1 115.7

141 29.5 25.8 38.8



#45

2-Fluorobiphenyl

Concen: 83.869 ng

RT: 9.080 min Scan# 1189

Delta R.T. -0.006 min

Lab File: BF133413.D

Acq: 17 May 2023 15:09

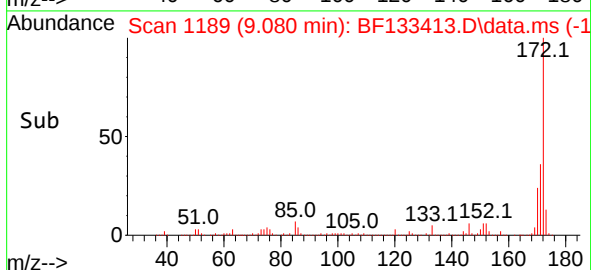
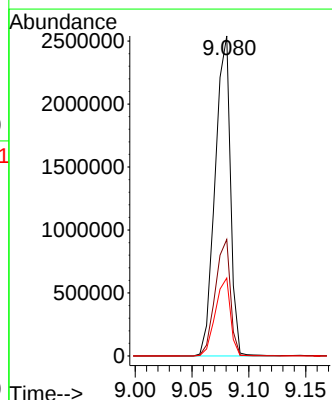
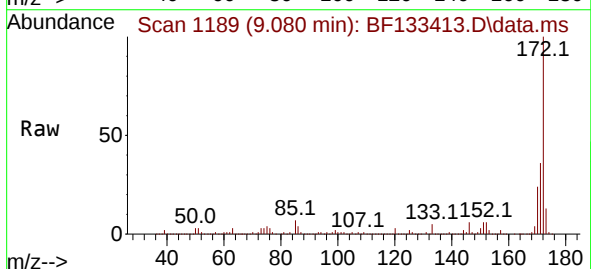
Tgt Ion:172 Resp: 2386307

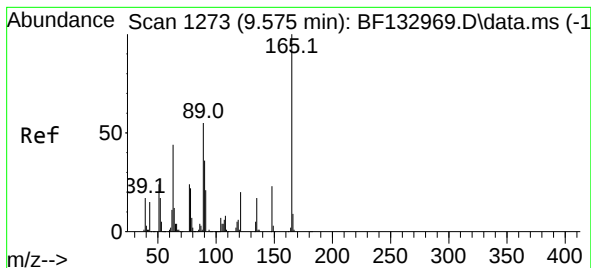
Ion Ratio Lower Upper

172 100

171 36.4 28.8 43.2

170 24.3 19.4 29.2





#51

2,6-Dinitrotoluene

Concen: 8.392 ng

RT: 9.751 min Scan# 1

Delta R.T. 0.200 min

Lab File: BF133413.D

Acq: 17 May 2023 15:09

Instrument :

BNA_F

ClientSampleId :

WC-N-1

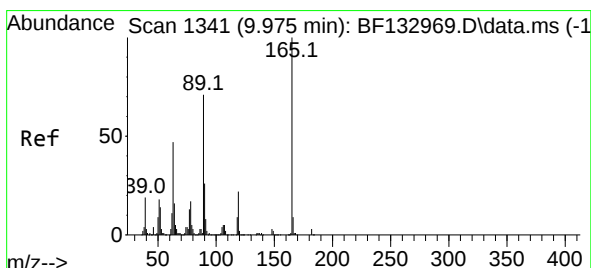
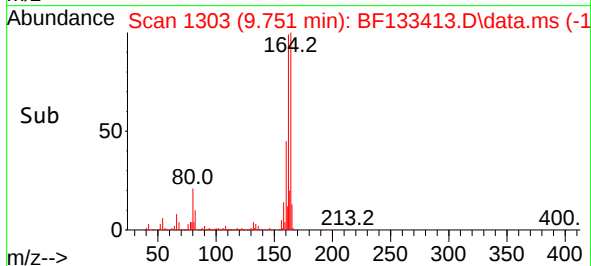
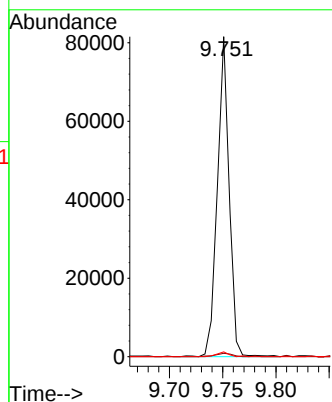
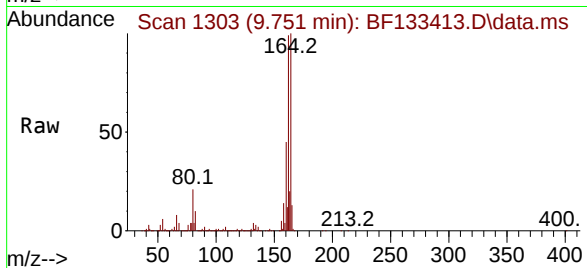
Tgt Ion:165 Resp: 62691

Ion Ratio Lower Upper

165 100

63 1.0 45.9 68.9#

89 1.5 44.0 66.0#



#57

2,4-Dinitrotoluene

Concen: 6.580 ng

RT: 9.751 min Scan# 1303

Delta R.T. -0.206 min

Lab File: BF133413.D

Acq: 17 May 2023 15:09

Tgt Ion:165 Resp: 62691

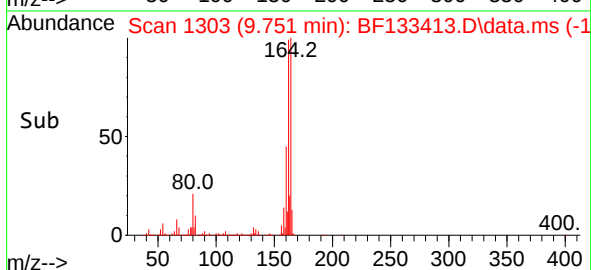
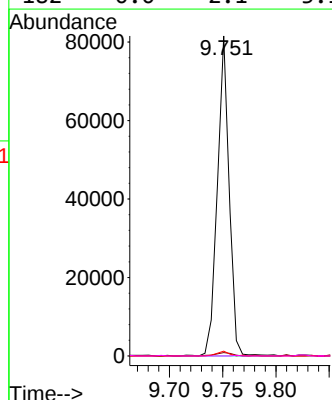
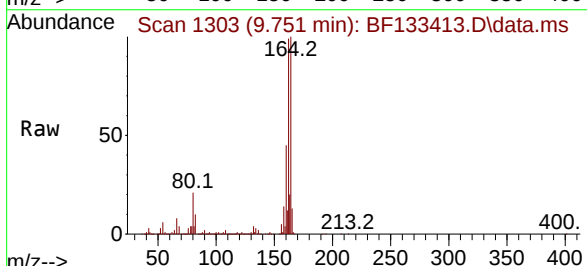
Ion Ratio Lower Upper

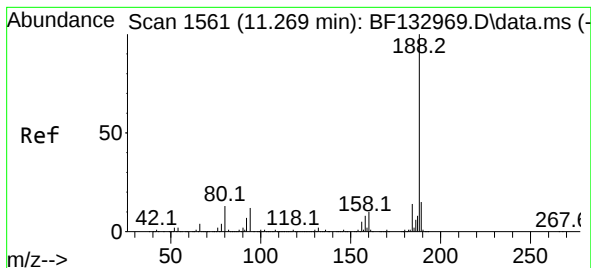
165 100

63 1.0 37.7 56.5#

89 1.5 57.0 85.4#

182 0.0 2.1 3.1#





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.233 min Scan# 1

Delta R.T. -0.012 min

Lab File: BF133413.D

Acq: 17 May 2023 15:09

Instrument :

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ClientSampleId :

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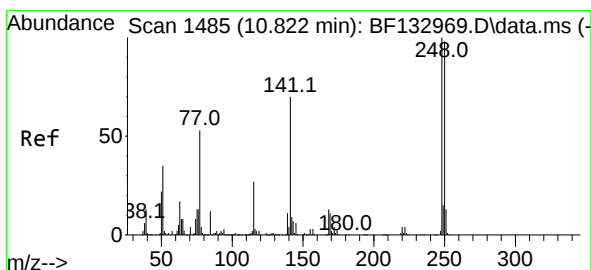
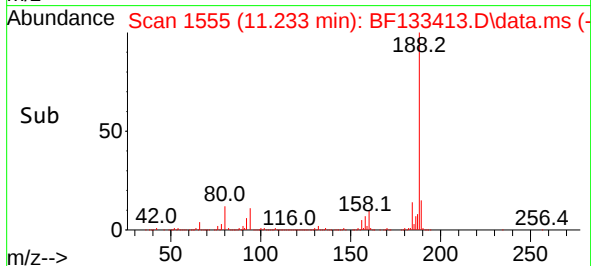
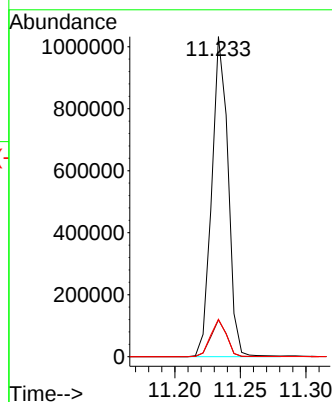
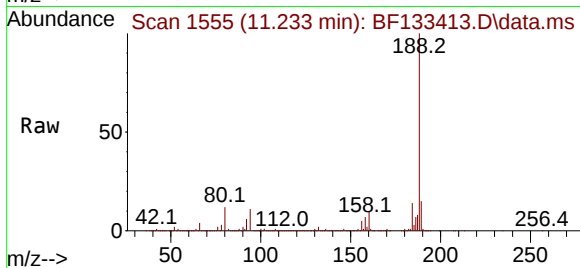
Tgt Ion:188 Resp: 892617

Ion Ratio Lower Upper

188 100

94 11.5 9.7 14.5

80 11.7 10.4 15.6



#67

4-Bromophenyl-phenylether

Concen: 4.089 ng

RT: 10.545 min Scan# 1438

Delta R.T. -0.247 min

Lab File: BF133413.D

Acq: 17 May 2023 15:09

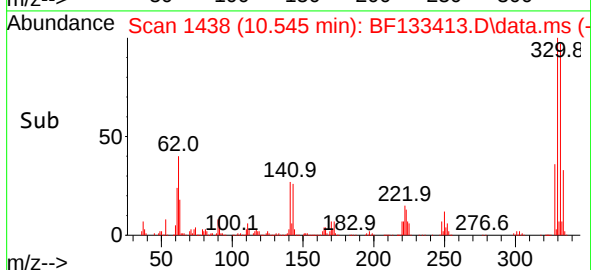
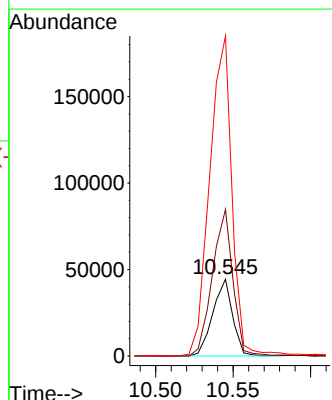
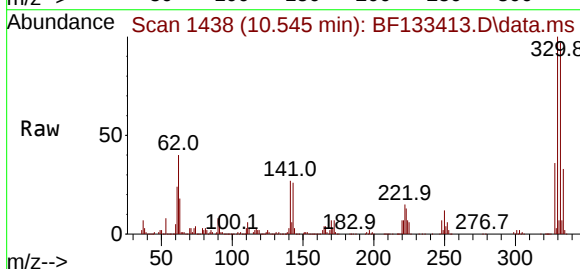
Tgt Ion:248 Resp: 39588

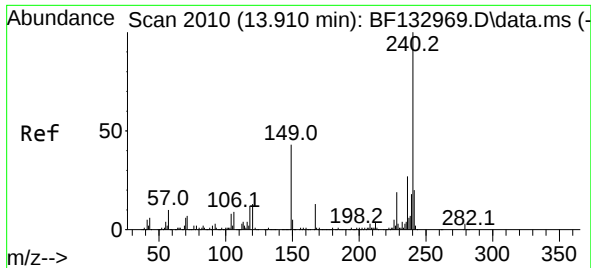
Ion Ratio Lower Upper

248 100

250 190.7 78.7 118.1#

141 416.3 56.3 84.5#

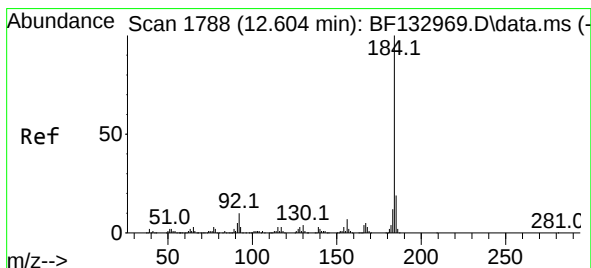
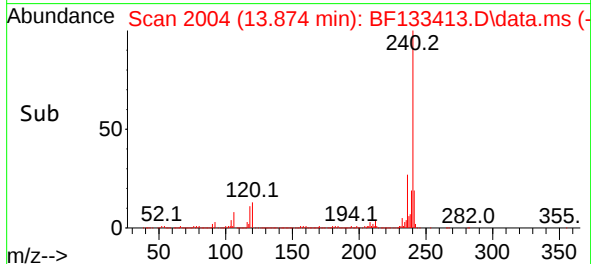
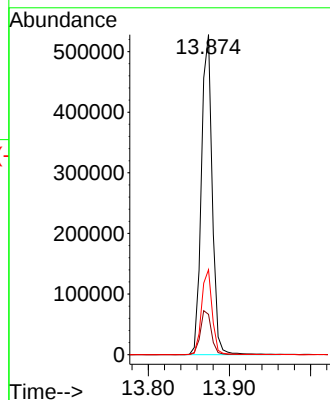
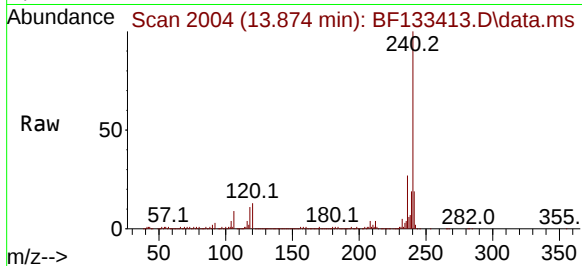




#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.874 min Scan# 2010
Delta R.T. -0.012 min
Lab File: BF133413.D
Acq: 17 May 2023 15:09

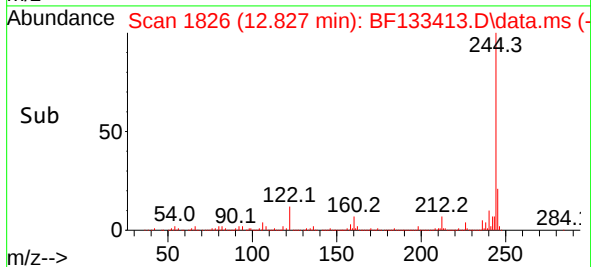
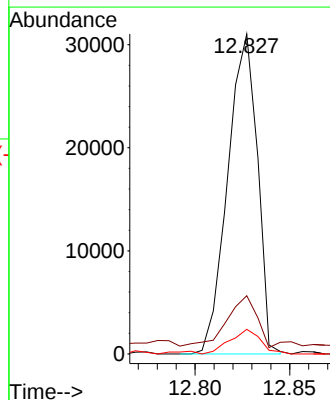
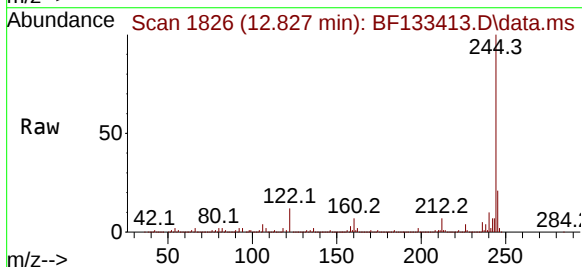
Instrument :
BNA_F
ClientSampleId :
WC-N-1

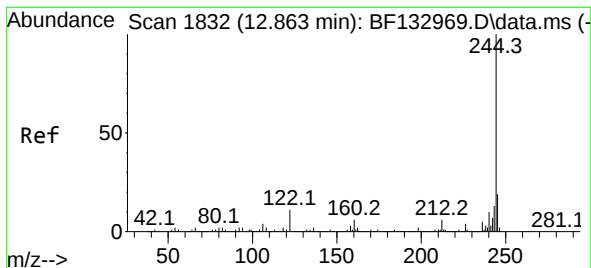
Tgt Ion:240 Resp: 490394
Ion Ratio Lower Upper
240 100
120 12.6 10.5 15.7
236 26.6 21.5 32.3



#77
Benzidine
Concen: 4.068 ng
RT: 12.827 min Scan# 1826
Delta R.T. 0.247 min
Lab File: BF133413.D
Acq: 17 May 2023 15:09

Tgt Ion:184 Resp: 33736
Ion Ratio Lower Upper
184 100
185 18.2 15.4 23.2
183 7.7 9.4 14.0#





#79

Terphenyl-d14

Concen: 103.419 ng

RT: 12.827 min Scan# 11

Delta R.T. -0.006 min

Lab File: BF133413.D

Acq: 17 May 2023 15:09

Instrument :

BNA_F

ClientSampleId :

WC-N-1

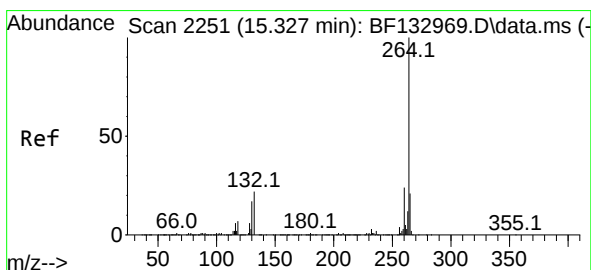
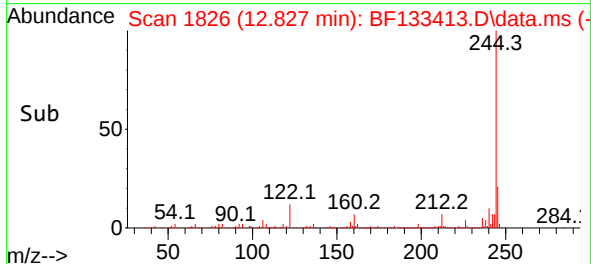
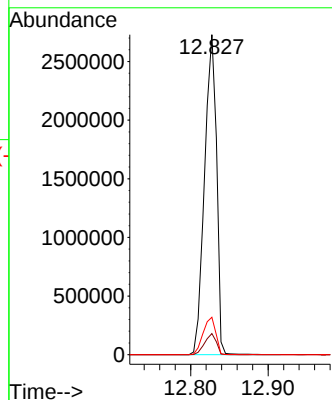
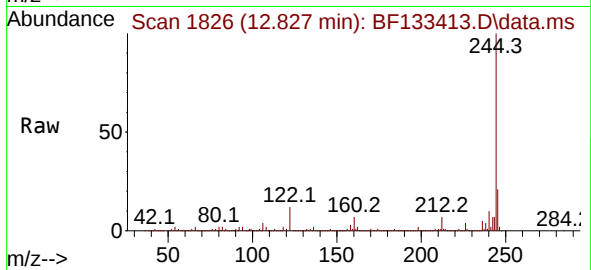
Tgt Ion:244 Resp: 2940630

Ion Ratio Lower Upper

244 100

212 6.6 5.1 7.7

122 11.7 8.6 13.0



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.298 min Scan# 2246

Delta R.T. -0.006 min

Lab File: BF133413.D

Acq: 17 May 2023 15:09

Tgt Ion:264 Resp: 495221

Ion Ratio Lower Upper

264 100

260 23.9 18.8 28.2

265 20.8 17.0 25.4

