

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF050523\
 Data File : BF133273.D
 Acq On : 05 May 2023 20:19
 Operator : CG\JU
 Sample : 02618-04
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 DSN002

Quant Time: May 06 05:51:23 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF042123.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri May 05 10:49:34 2023
 Response via : Initial Calibration

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

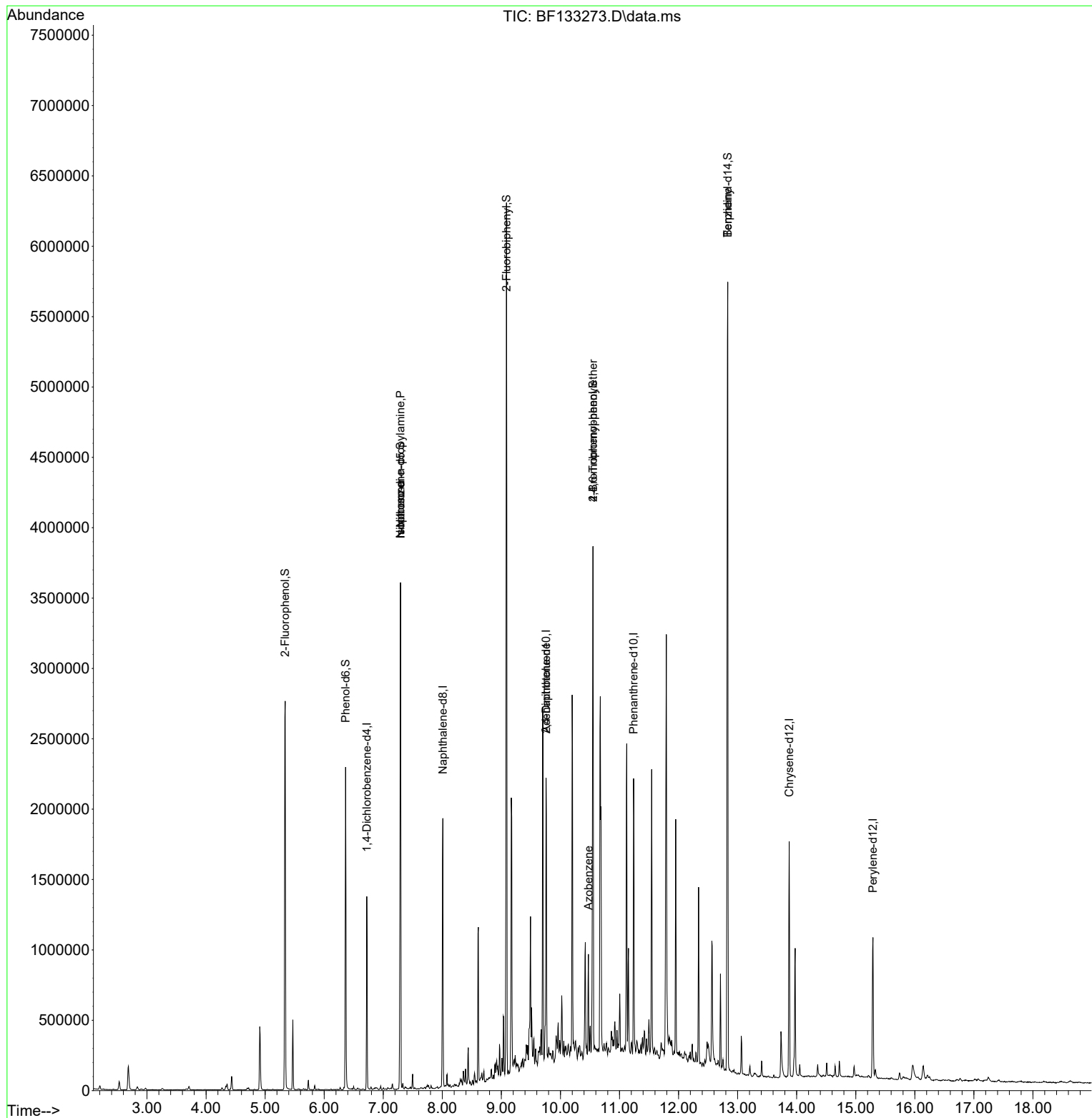
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.722	152	183962	20.000	ng	0.00
21) Naphthalene-d8	8.010	136	734665	20.000	ng	0.00
39) Acenaphthene-d10	9.757	164	383217	20.000	ng	0.00
64) Phenanthrene-d10	11.239	188	713045	20.000	ng	0.00
76) Chrysene-d12	13.874	240	522836	20.000	ng	0.00
86) Perylene-d12	15.292	264	435711	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.340	112	883650	72.561	ng	0.00
7) Phenol-d6	6.363	99	704016	46.576	ng	0.00
23) Nitrobenzene-d5	7.292	82	1160579	85.269	ng	0.00
42) 2,4,6-Tribromophenol	10.551	330	491900	127.634	ng	0.00
45) 2-Fluorobiphenyl	9.086	172	1944423	84.887	ng	0.00
79) Terphenyl-d14	12.833	244	2252400	74.299	ng	0.00
Target Compounds						
9) Benzaldehyde	6.269	77	3180	Below Cal		Qvalue 91
19) n-Nitroso-di-n-propyla...	7.292	70	153792	16.343	ng	# 76
25) Isophorone	7.292	82	1160492	44.907	ng	# 63
57) 2,4-Dinitrotoluene	9.757	165	53027	6.914	ng	# 24
63) Azobenzene	10.474	77	106538	3.985	ng	# 1
67) 4-Bromophenyl-phenylether	10.551	248	30966	4.004	ng	# 1
77) Benzidine	12.833	184	28936	3.273	ng	93

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

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Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF042123.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri May 05 10:49:34 2023
Response via : Initial Calibration

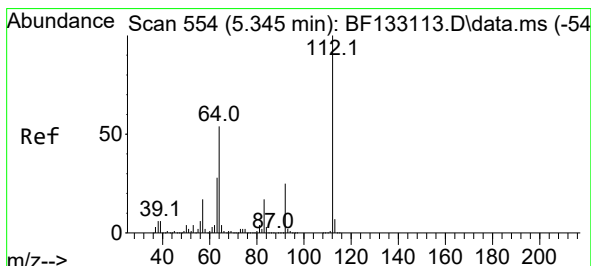
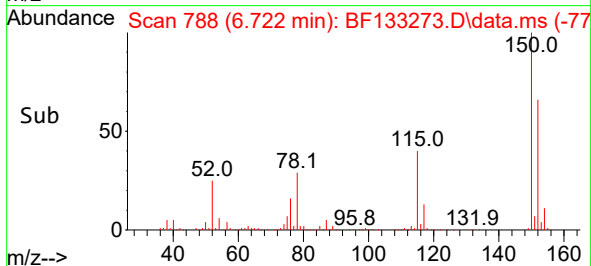
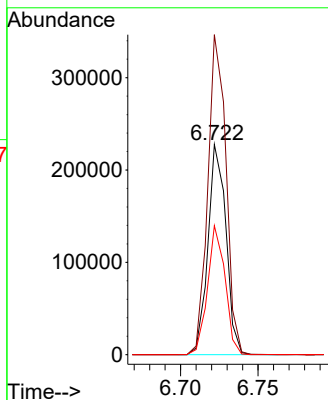
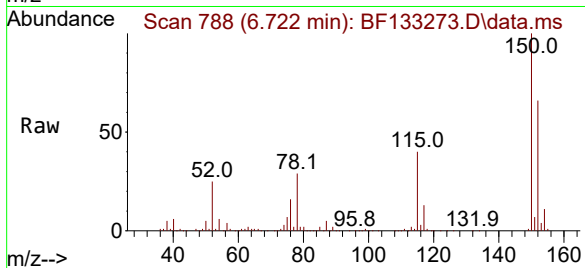




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.722 min Scan# 791
Delta R.T. -0.006 min
Lab File: BF133273.D
Acq: 05 May 2023 20:19

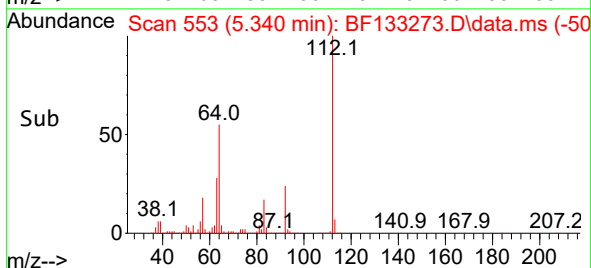
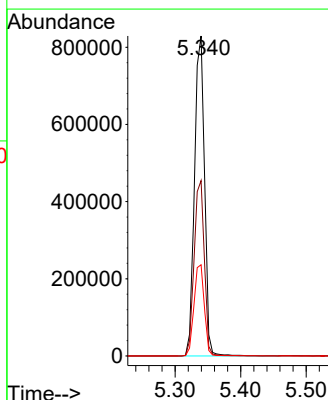
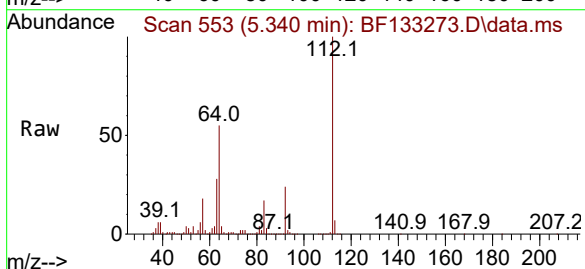
Instrument :
BNA_F
ClientSampleId :
DSN002

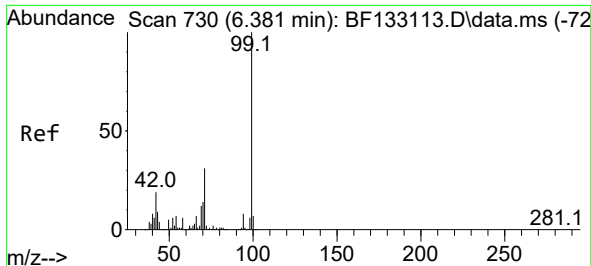
Tgt Ion:152 Resp: 183962
Ion Ratio Lower Upper
152 100
150 152.2 124.8 187.2
115 61.4 49.9 74.9



#5
2-Fluorophenol
Concen: 72.561 ng
RT: 5.340 min Scan# 553
Delta R.T. 0.006 min
Lab File: BF133273.D
Acq: 05 May 2023 20:19

Tgt Ion:112 Resp: 883650
Ion Ratio Lower Upper
112 100
64 54.8 46.8 70.2
63 28.5 23.8 35.8

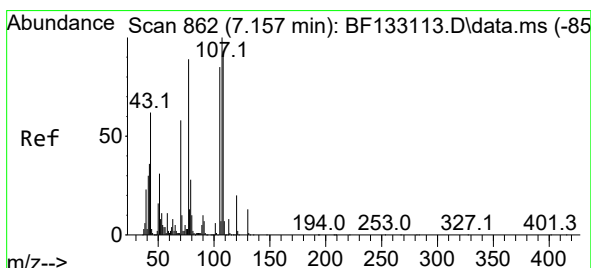
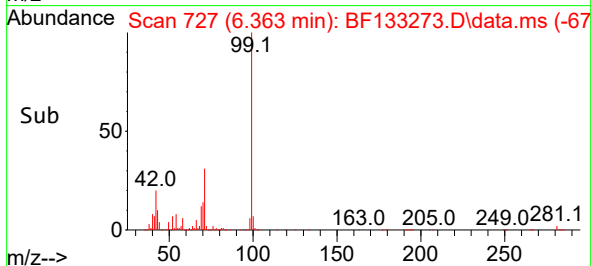
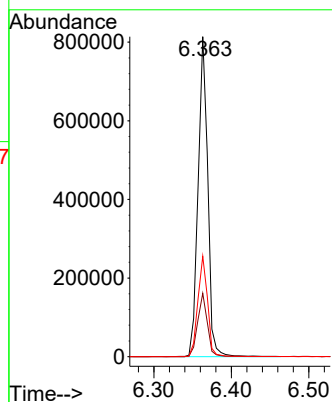
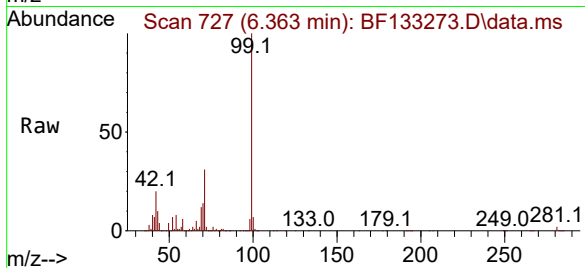




#7
Phenol-d6
Concen: 46.576 ng
RT: 6.363 min Scan# 71
Delta R.T. -0.006 min
Lab File: BF133273.D
Acq: 05 May 2023 20:19

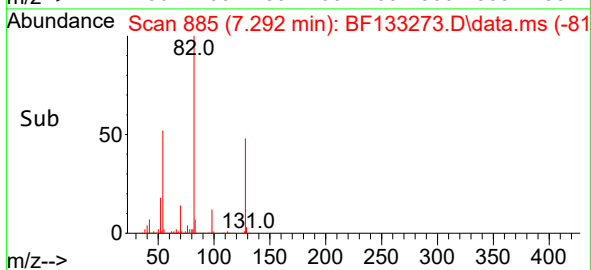
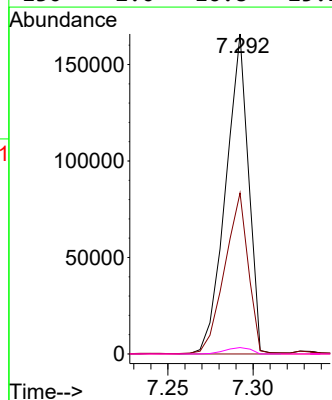
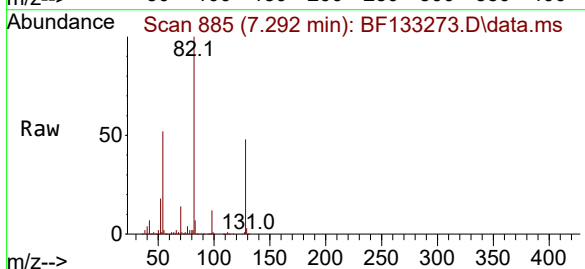
Instrument :
BNA_F
ClientSampleId :
DSN002

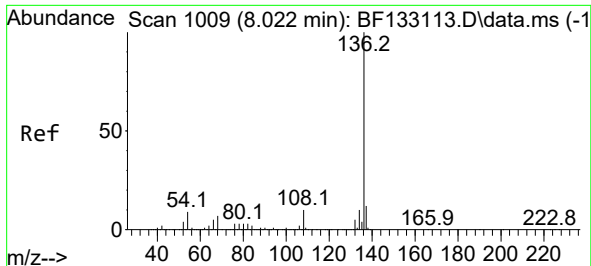
Tgt Ion: 99 Resp: 704016
Ion Ratio Lower Upper
99 100
42 19.8 16.3 24.5
71 31.4 25.6 38.4



#19
n-Nitroso-di-n-propylamine
Concen: 16.343 ng
RT: 7.292 min Scan# 885
Delta R.T. 0.141 min
Lab File: BF133273.D
Acq: 05 May 2023 20:19

Tgt Ion: 70 Resp: 153792
Ion Ratio Lower Upper
70 100
42 50.3 51.8 77.6#
101 0.0 8.0 12.0#
130 2.0 16.8 25.2#



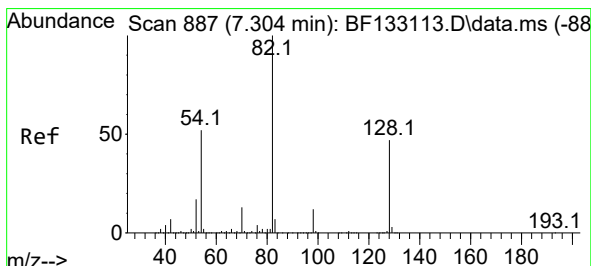
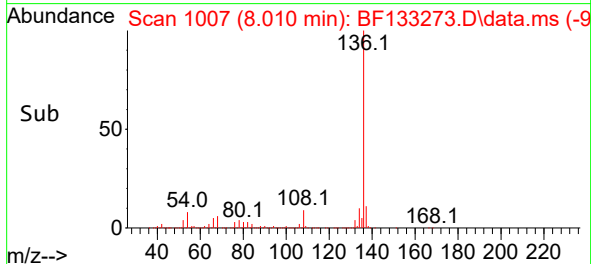
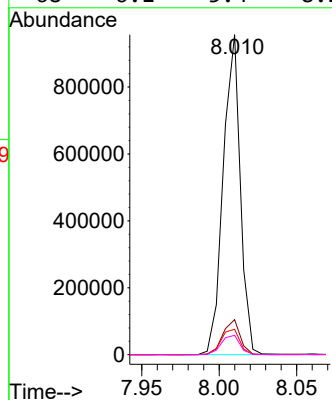
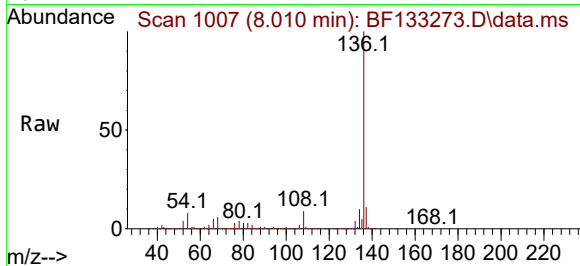


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.010 min Scan# 10
Delta R.T. -0.006 min
Lab File: BF133273.D
Acq: 05 May 2023 20:19

Instrument :
BNA_F
ClientSampleId :
DSN002

Tgt Ion:136 Resp: 734665

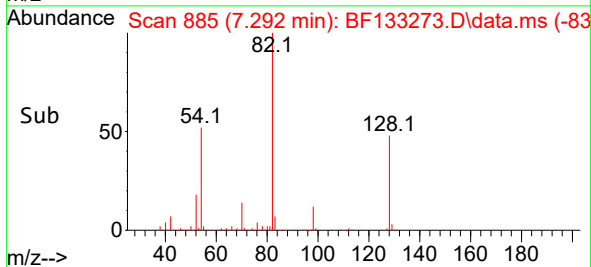
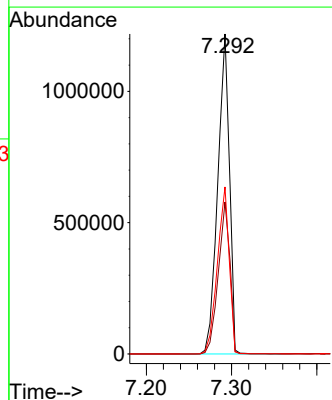
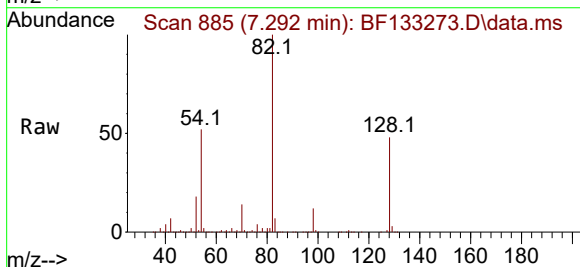
Ion	Ratio	Lower	Upper
136	100		
137	11.0	8.6	13.0
54	8.0	7.0	10.4
68	6.1	5.4	8.2

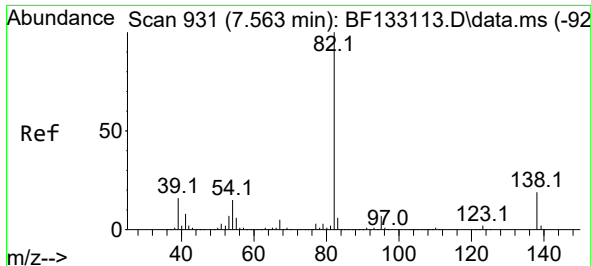


#23
Nitrobenzene-d5
Concen: 85.269 ng
RT: 7.292 min Scan# 885
Delta R.T. -0.006 min
Lab File: BF133273.D
Acq: 05 May 2023 20:19

Tgt Ion: 82 Resp: 1160579

Ion	Ratio	Lower	Upper
82	100		
128	47.5	37.7	56.5
54	52.2	43.0	64.4

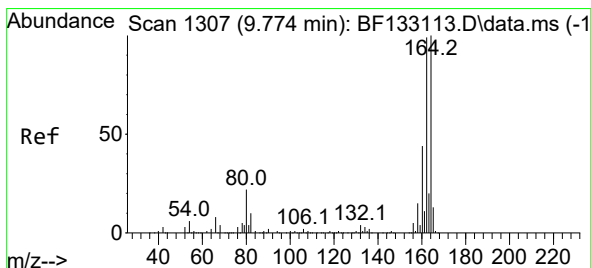
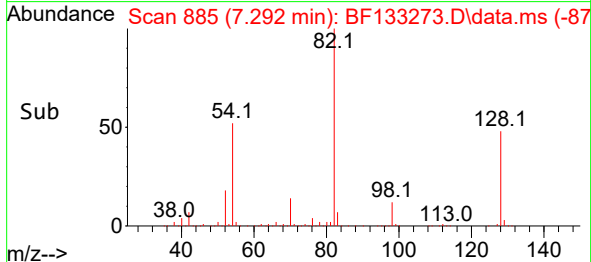
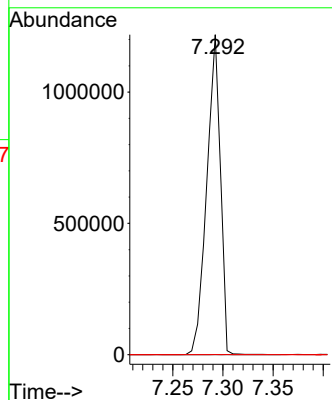
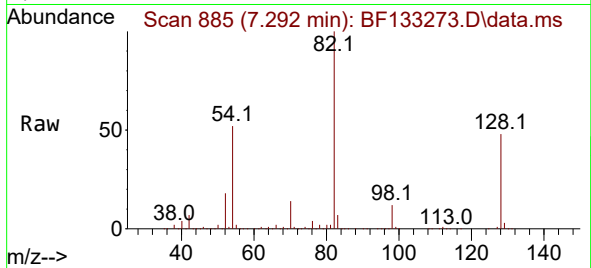




#25
Isophorone
Concen: 44.907 ng
RT: 7.292 min Scan# 81
Delta R.T. -0.259 min
Lab File: BF133273.D
Acq: 05 May 2023 20:19

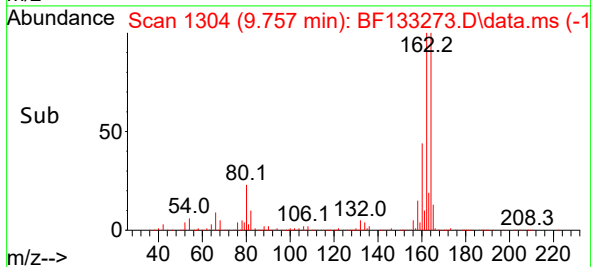
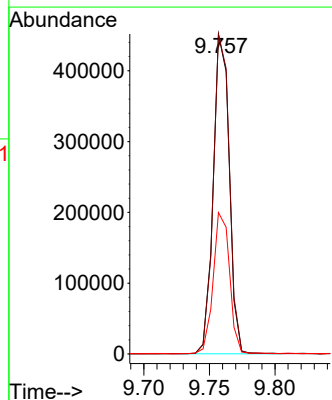
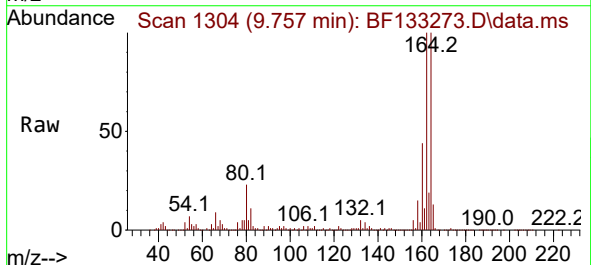
Instrument :
BNA_F
ClientSampleId :
DSN002

Tgt Ion: 82 Resp: 1160492
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: 9.757 min Scan# 1304
Delta R.T. -0.006 min
Lab File: BF133273.D
Acq: 05 May 2023 20:19

Tgt Ion: 164 Resp: 383217
Ion Ratio Lower Upper
164 100
162 100.1 78.7 118.1
160 44.2 35.8 53.6

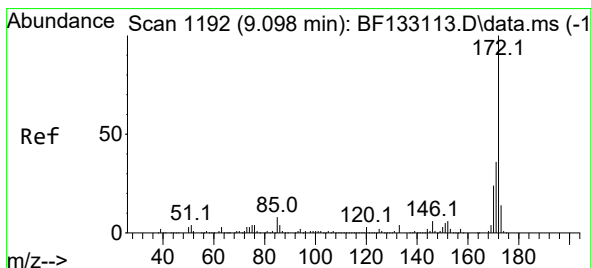
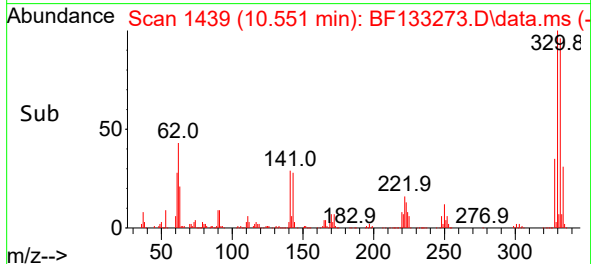
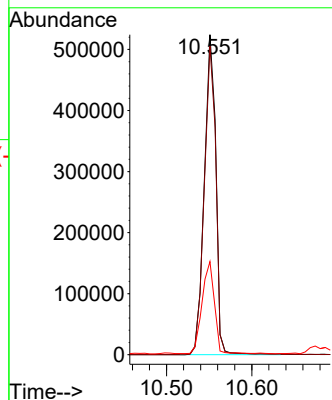
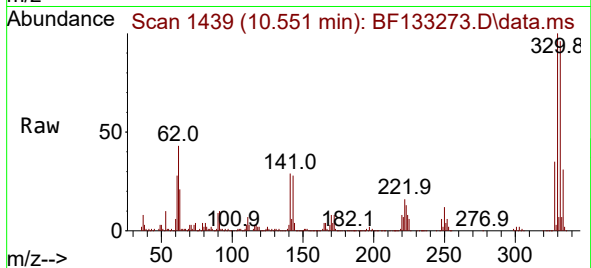




#42
2,4,6-Tribromophenol
Concen: 127.634 ng
RT: 10.551 min Scan# 1441
Delta R.T. -0.006 min
Lab File: BF133273.D
Acq: 05 May 2023 20:19

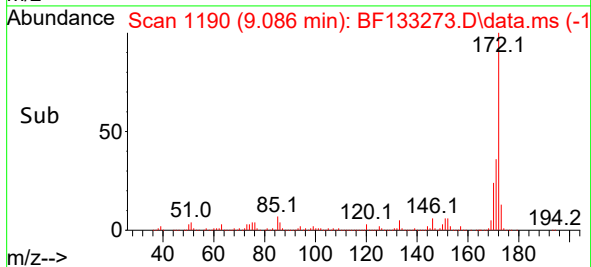
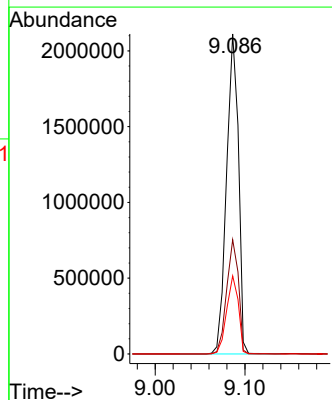
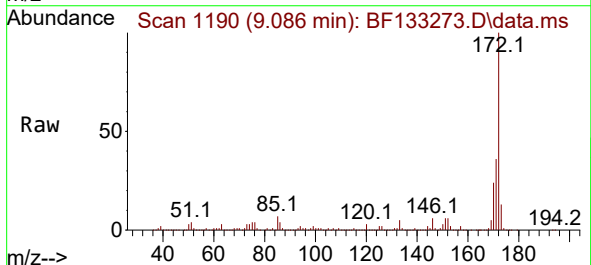
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BNA_F
ClientSampleId :
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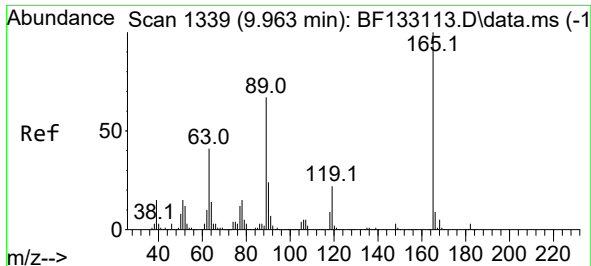
Tgt Ion:330 Resp: 491900
Ion Ratio Lower Upper
330 100
332 97.2 77.1 115.7
141 30.7 25.8 38.8



#45
2-Fluorobiphenyl
Concen: 84.887 ng
RT: 9.086 min Scan# 1190
Delta R.T. -0.006 min
Lab File: BF133273.D
Acq: 05 May 2023 20:19

Tgt Ion:172 Resp: 1944423
Ion Ratio Lower Upper
172 100
171 35.7 28.8 43.2
170 24.4 19.4 29.2

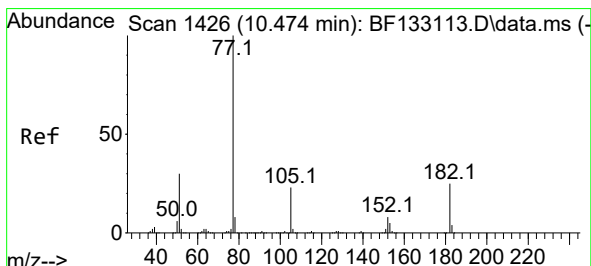
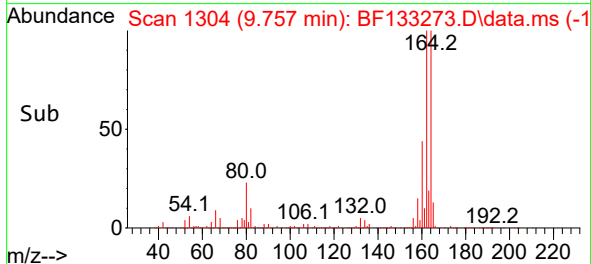
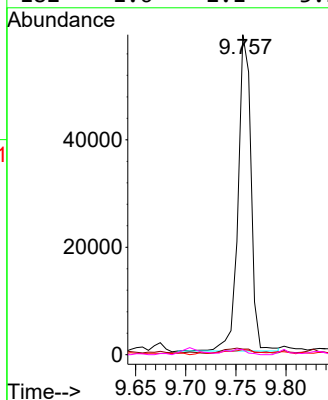
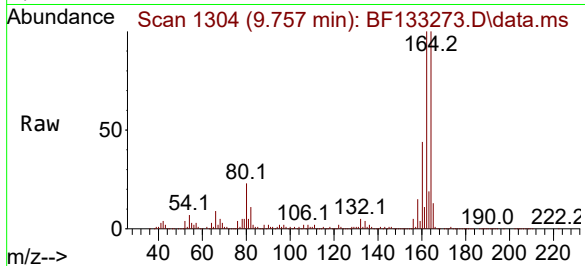




#57
2,4-Dinitrotoluene
Concen: 6.914 ng
RT: 9.757 min Scan# 11
Delta R.T. -0.200 min
Lab File: BF133273.D
Acq: 05 May 2023 20:19

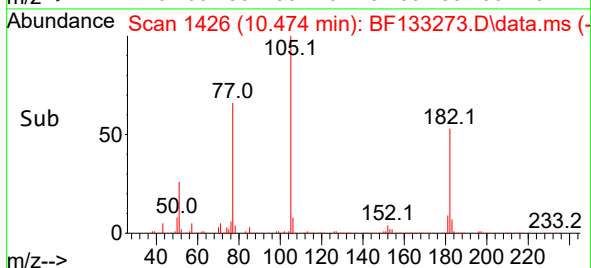
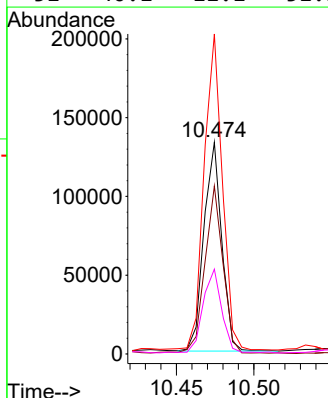
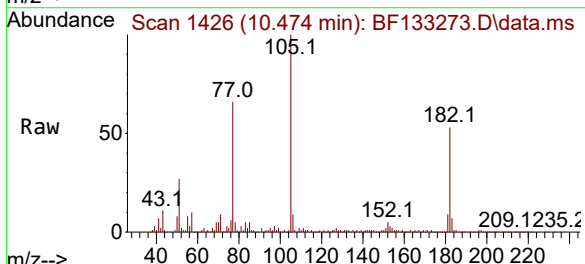
Instrument :
BNA_F
ClientSampleId :
DSN002

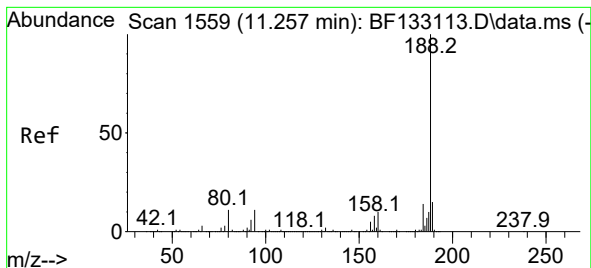
Tgt Ion:165 Resp: 53027
Ion Ratio Lower Upper
165 100
63 1.8 37.7 56.5#
89 1.6 57.0 85.4#
182 1.6 2.1 3.1#



#63
Azobenzene
Concen: 3.985 ng
RT: 10.474 min Scan# 1426
Delta R.T. 0.006 min
Lab File: BF133273.D
Acq: 05 May 2023 20:19

Tgt Ion: 77 Resp: 106538
Ion Ratio Lower Upper
77 100
182 79.4 5.9 45.9#
105 151.2 2.3 42.3#
51 40.1 11.1 51.1





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.239 min Scan# 1

Delta R.T. -0.006 min

Lab File: BF133273.D

Acq: 05 May 2023 20:19

Instrument :

BNA_F

ClientSampleId :

DSN002

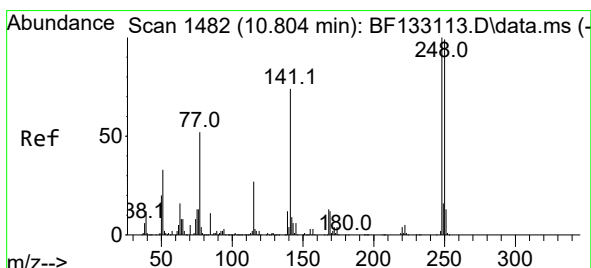
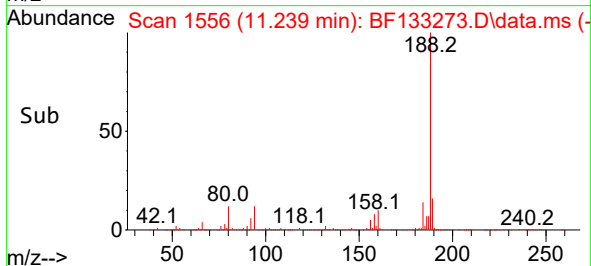
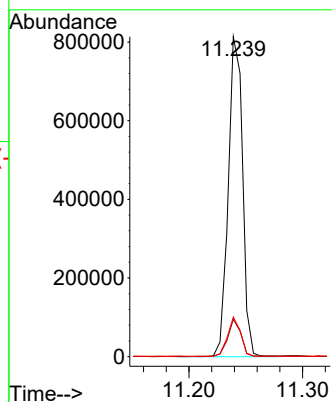
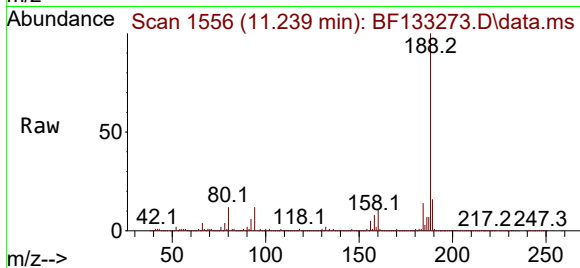
Tgt Ion:188 Resp: 713045

Ion Ratio Lower Upper

188 100

94 11.7 9.7 14.5

80 12.4 10.4 15.6



#67

4-Bromophenyl-phenylether

Concen: 4.004 ng

RT: 10.551 min Scan# 1439

Delta R.T. -0.241 min

Lab File: BF133273.D

Acq: 05 May 2023 20:19

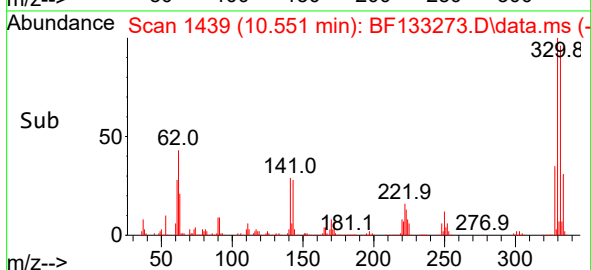
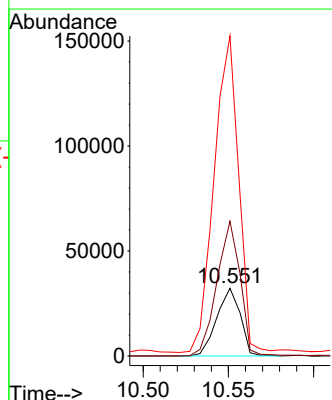
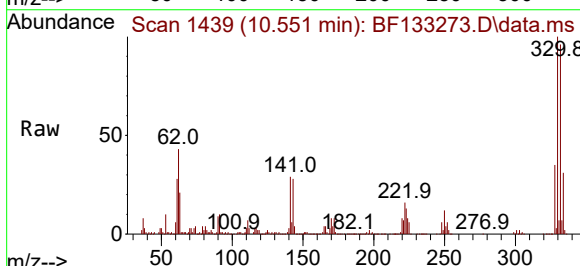
Tgt Ion:248 Resp: 30966

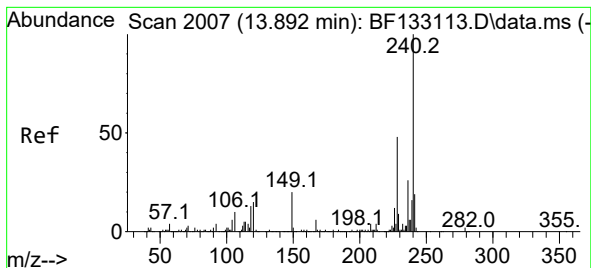
Ion Ratio Lower Upper

248 100

250 199.0 78.7 118.1#

141 472.7 56.3 84.5#





#76

Chrysene-d12

Concen: 20.000 ng

RT: 13.874 min Scan# 20

Delta R.T. -0.006 min

Lab File: BF133273.D

Acq: 05 May 2023 20:19

Instrument :

BNA_F

ClientSampleId :

DSN002

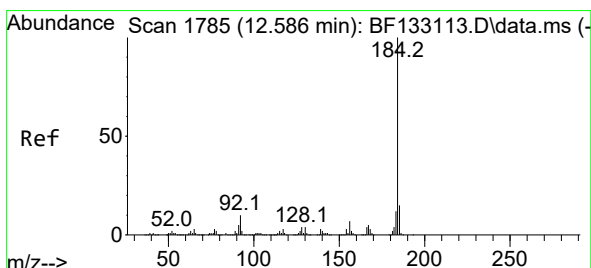
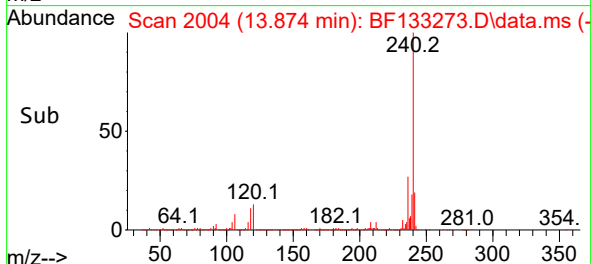
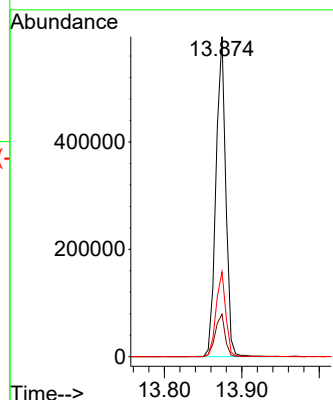
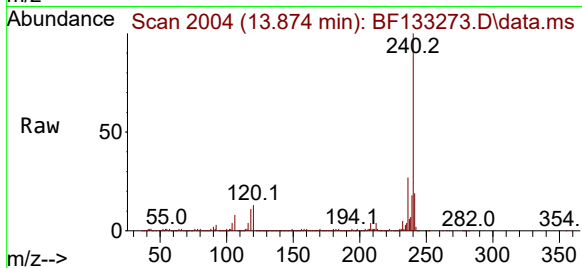
Tgt Ion:240 Resp: 522836

Ion Ratio Lower Upper

240 100

120 13.3 10.5 15.7

236 26.6 21.5 32.3



#77

Benzidine

Concen: 3.273 ng

RT: 12.833 min Scan# 1827

Delta R.T. 0.259 min

Lab File: BF133273.D

Acq: 05 May 2023 20:19

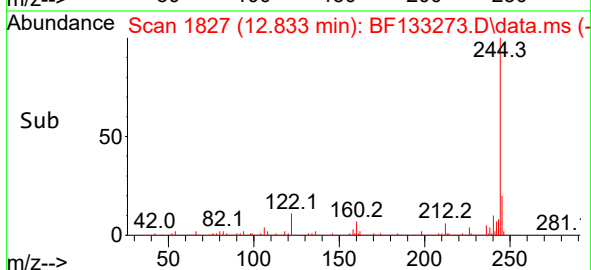
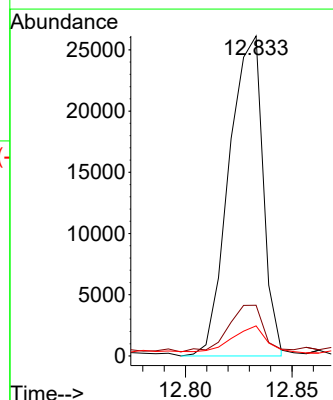
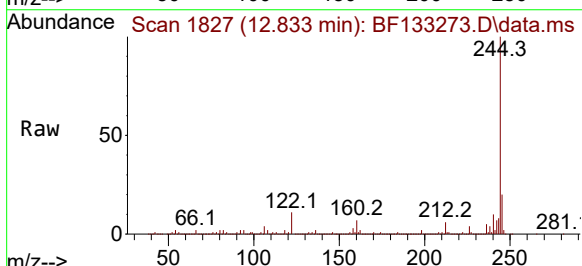
Tgt Ion:184 Resp: 28936

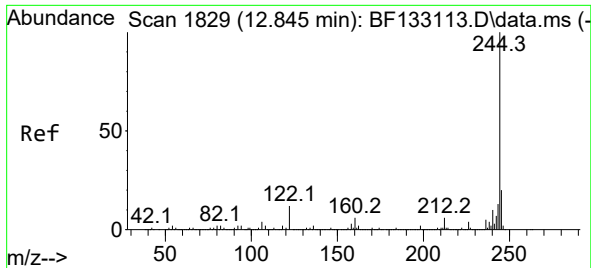
Ion Ratio Lower Upper

184 100

185 15.8 15.4 23.2

183 9.4 9.4 14.0

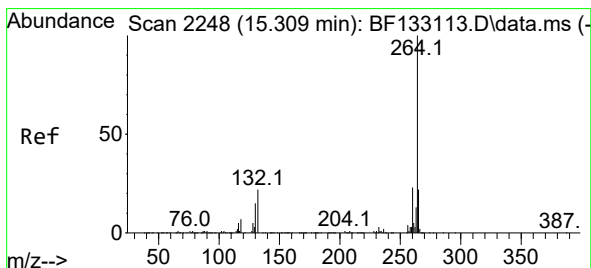
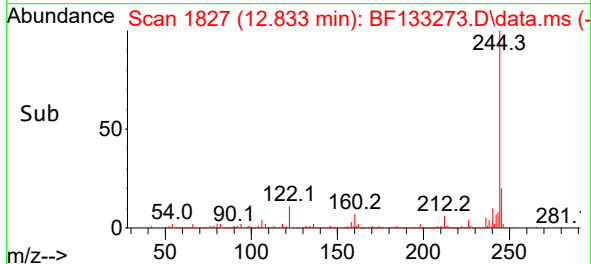
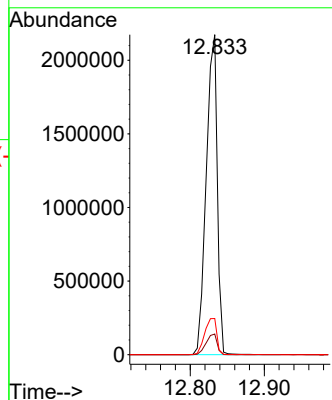
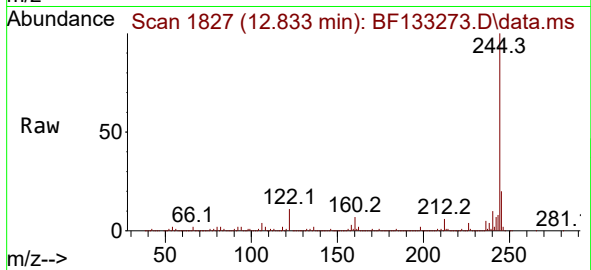




#79
 Terphenyl-d14
 Concen: 74.299 ng
 RT: 12.833 min Scan# 11
 Delta R.T. -0.000 min
 Lab File: BF133273.D
 Acq: 05 May 2023 20:19

Instrument :
 BNA_F
 ClientSampleId :
 DSN002

Tgt Ion:244 Resp: 2252400
 Ion Ratio Lower Upper
 244 100
 212 6.5 5.1 7.7
 122 11.3 8.6 13.0



#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.292 min Scan# 2245
 Delta R.T. -0.000 min
 Lab File: BF133273.D
 Acq: 05 May 2023 20:19

Tgt Ion:264 Resp: 435711
 Ion Ratio Lower Upper
 264 100
 260 25.5 18.8 28.2
 265 22.2 17.0 25.4

