

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF050423\
 Data File : BF133237.D
 Acq On : 04 May 2023 18:33
 Operator : CG\JU
 Sample : 02598-02
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 VNJ-241

Quant Time: May 05 05:30:36 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF042123.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu May 04 12:22:53 2023
 Response via : Initial Calibration

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

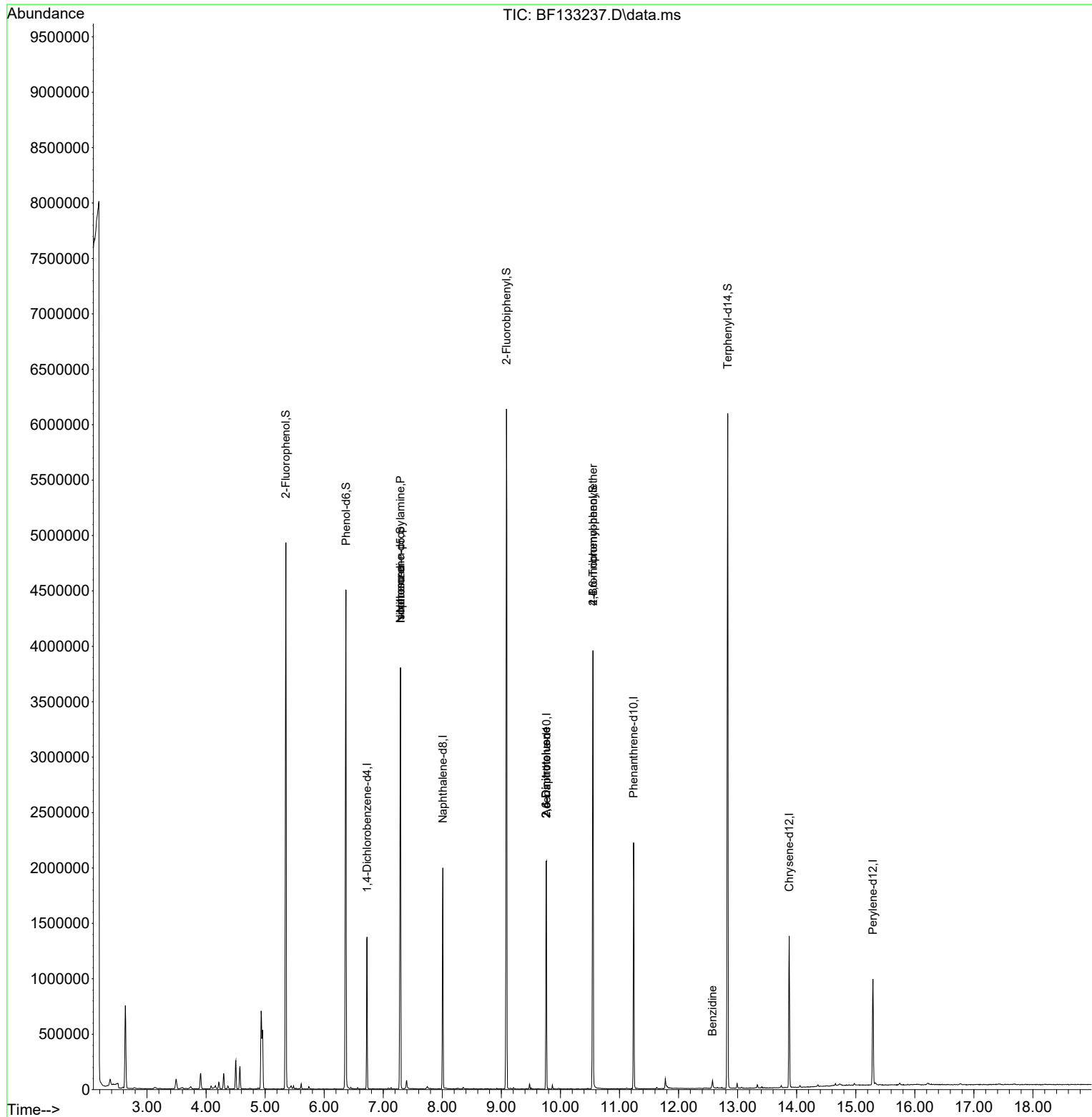
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.728	152	202323	20.000	ng	0.00
21) Naphthalene-d8	8.010	136	815481	20.000	ng	0.00
39) Acenaphthene-d10	9.763	164	429804	20.000	ng	0.00
64) Phenanthrene-d10	11.239	188	779524	20.000	ng	0.00
76) Chrysene-d12	13.874	240	419331	20.000	ng	-0.01
86) Perylene-d12	15.292	264	395254	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.351	112	1509092	112.674	ng	0.02
7) Phenol-d6	6.369	99	1612784	97.015	ng	0.00
23) Nitrobenzene-d5	7.292	82	1237379	81.902	ng	0.00
42) 2,4,6-Tribromophenol	10.551	330	529978	122.609	ng	0.00
45) 2-Fluorobiphenyl	9.086	172	2079035	80.926	ng	0.00
79) Terphenyl-d14	12.833	244	2400197	98.718	ng	0.00
Target Compounds						
9) Benzaldehyde	6.281	77	397	Below Cal	Qvalue	# 53
19) n-Nitroso-di-n-propyla...	7.292	70	165027	15.946	ng	# 77
25) Isophorone	7.292	82	1234152	43.025	ng	# 63
51) 2,6-Dinitrotoluene	9.757	165	55485	8.226	ng	# 24
57) 2,4-Dinitrotoluene	9.757	165	55485	6.450	ng	# 23
67) 4-Bromophenyl-phenylether	10.551	248	32445	3.838	ng	# 1
77) Benzidine	12.574	184	22866	3.225	ng	99

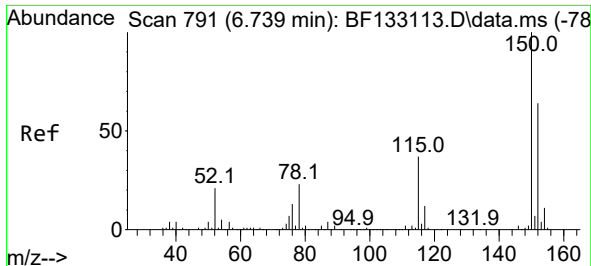
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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 : Thu May 04 12:22:53 2023
Response via : Initial Calibration

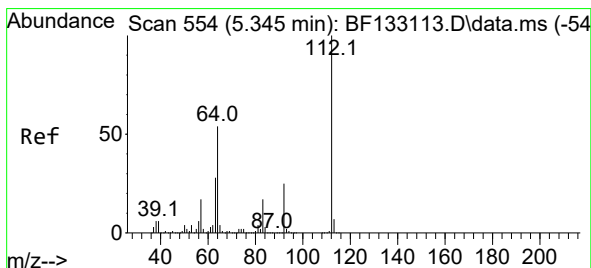
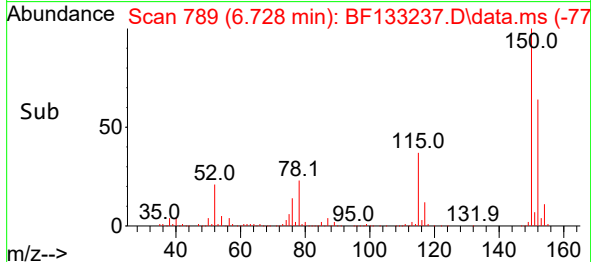
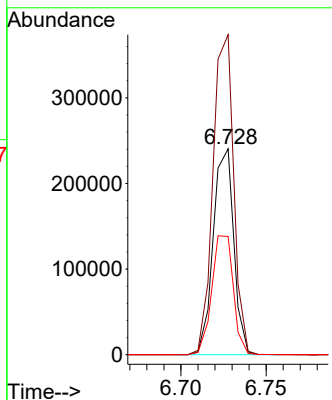
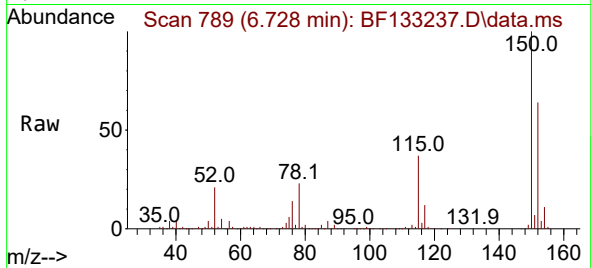




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.728 min Scan# 791
Delta R.T. -0.000 min
Lab File: BF133237.D
Acq: 04 May 2023 18:33

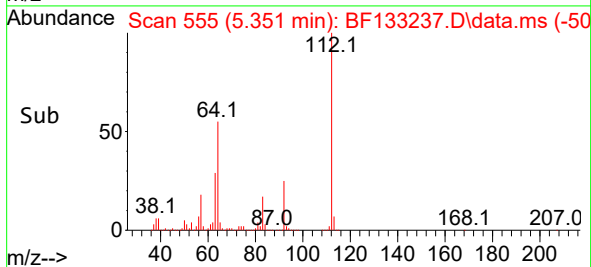
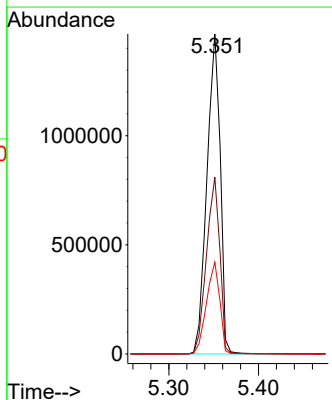
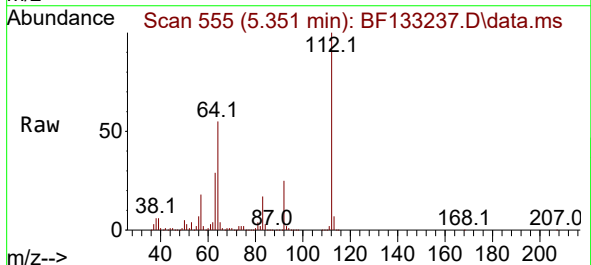
Instrument :
BNA_F
ClientSampleId :
VNJ-241

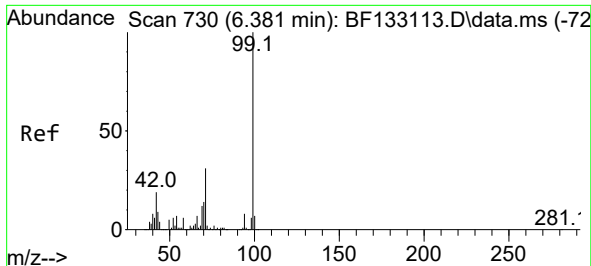
Tgt Ion:152 Resp: 202323
Ion Ratio Lower Upper
152 100
150 155.4 124.8 187.2
115 57.4 49.9 74.9



#5
2-Fluorophenol
Concen: 112.674 ng
RT: 5.351 min Scan# 555
Delta R.T. 0.018 min
Lab File: BF133237.D
Acq: 04 May 2023 18:33

Tgt Ion:112 Resp: 1509092
Ion Ratio Lower Upper
112 100
64 55.2 46.8 70.2
63 28.7 23.8 35.8

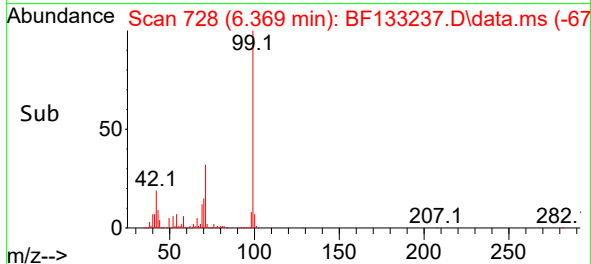
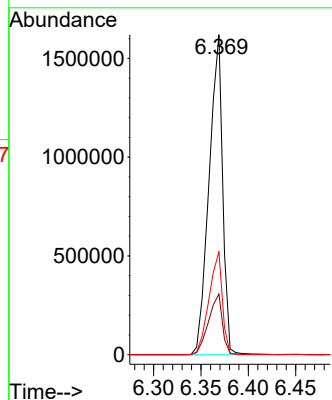
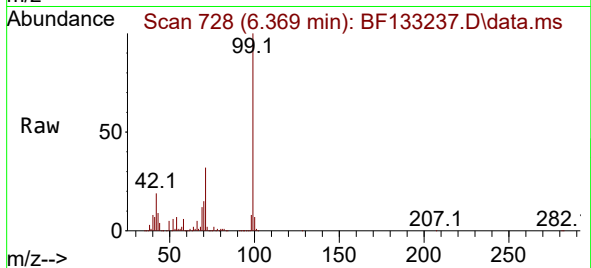




#7
Phenol-d6
Concen: 97.015 ng
RT: 6.369 min Scan# 71
Delta R.T. -0.006 min
Lab File: BF133237.D
Acq: 04 May 2023 18:33

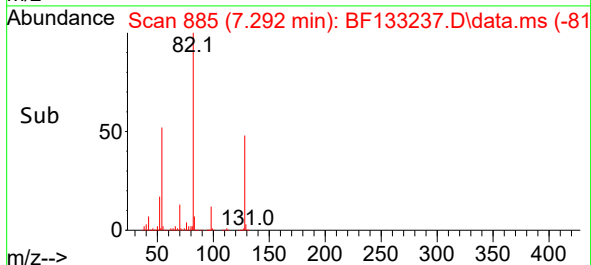
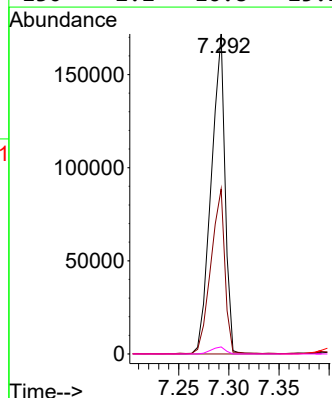
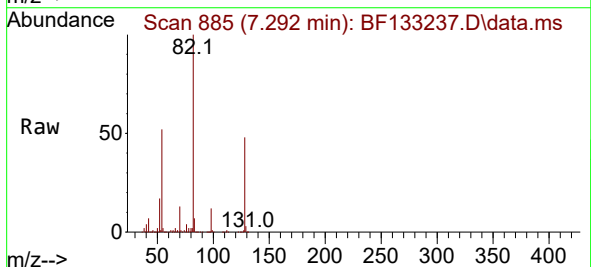
Instrument :
BNA_F
ClientSampleId :
VNJ-241

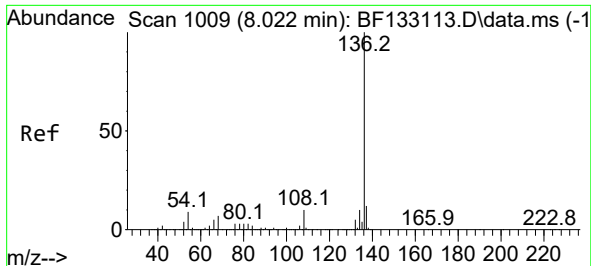
Tgt Ion: 99 Resp: 1612784
Ion Ratio Lower Upper
99 100
42 18.9 16.3 24.5
71 32.1 25.6 38.4



#19
n-Nitroso-di-n-propylamine
Concen: 15.946 ng
RT: 7.292 min Scan# 885
Delta R.T. 0.141 min
Lab File: BF133237.D
Acq: 04 May 2023 18:33

Tgt Ion: 70 Resp: 165027
Ion Ratio Lower Upper
70 100
42 51.5 51.8 77.6#
101 0.0 8.0 12.0#
130 2.2 16.8 25.2#



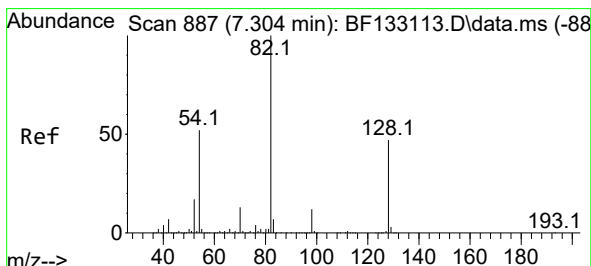
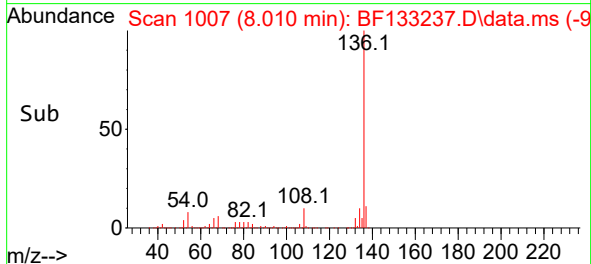
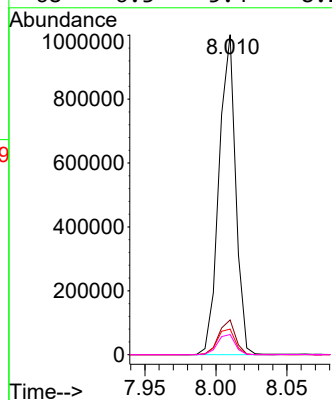
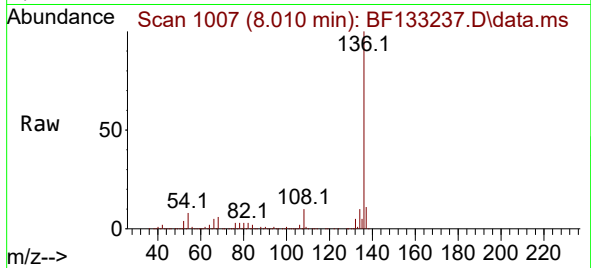


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.010 min Scan# 1007
Delta R.T. -0.006 min
Lab File: BF133237.D
Acq: 04 May 2023 18:33

Instrument :
BNA_F
ClientSampleId :
VNJ-241

Tgt Ion: 136 Resp: 815481

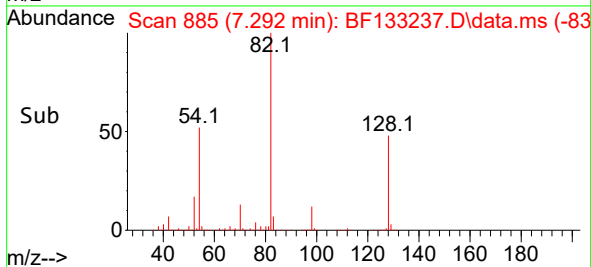
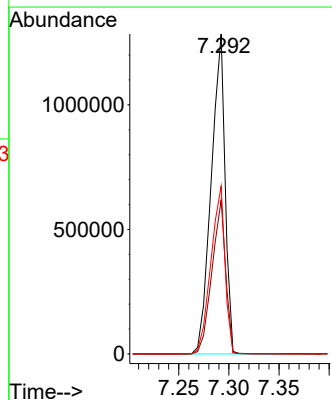
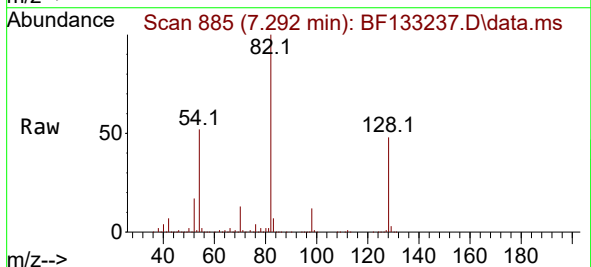
Ion	Ratio	Lower	Upper
136	100		
137	10.8	8.6	13.0
54	8.0	7.0	10.4
68	6.3	5.4	8.2



#23
Nitrobenzene-d5
Concen: 81.902 ng
RT: 7.292 min Scan# 885
Delta R.T. -0.006 min
Lab File: BF133237.D
Acq: 04 May 2023 18:33

Tgt Ion: 82 Resp: 1237379

Ion	Ratio	Lower	Upper
82	100		
128	48.1	37.7	56.5
54	52.4	43.0	64.4

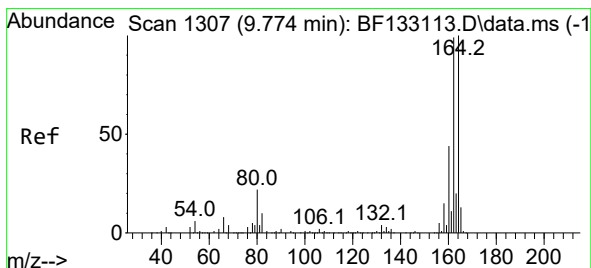
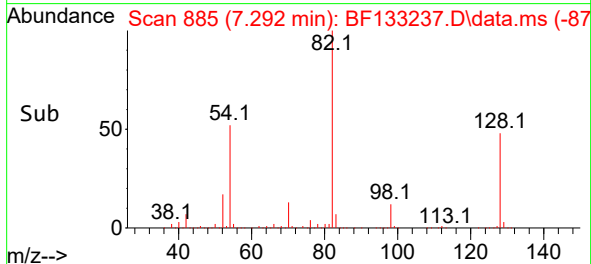
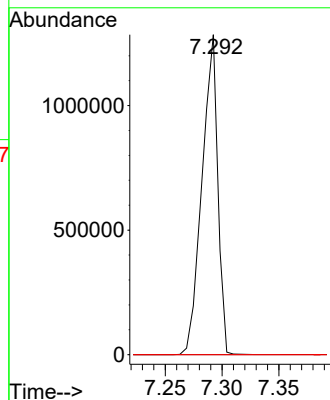
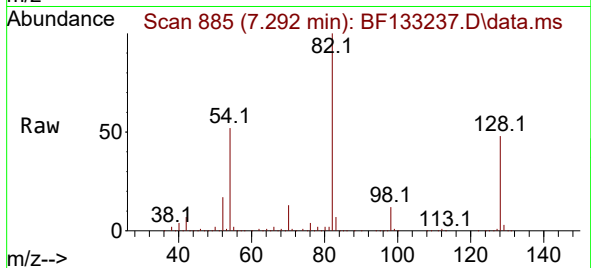




#25
Isophorone
Concen: 43.025 ng
RT: 7.292 min Scan# 81
Delta R.T. -0.265 min
Lab File: BF133237.D
Acq: 04 May 2023 18:33

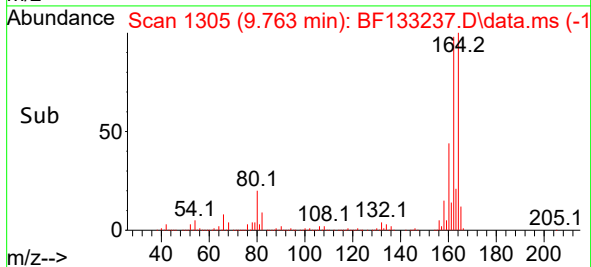
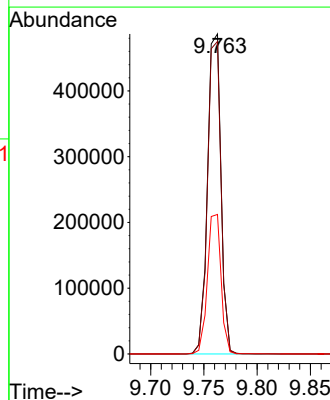
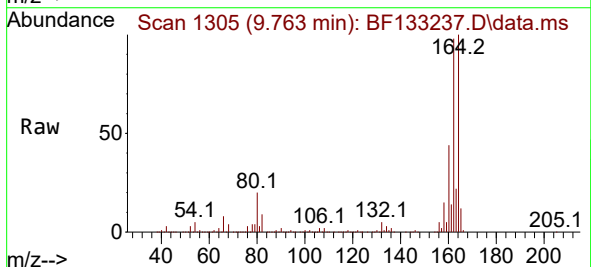
Instrument :
BNA_F
ClientSampleId :
VNJ-241

Tgt Ion: 82 Resp: 1234152
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: 9.763 min Scan# 1305
Delta R.T. -0.006 min
Lab File: BF133237.D
Acq: 04 May 2023 18:33

Tgt Ion:164 Resp: 429804
Ion Ratio Lower Upper
164 100
162 97.6 78.7 118.1
160 43.6 35.8 53.6





#42

2,4,6-Tribromophenol

Concen: 122.609 ng

RT: 10.551 min Scan# 1441

Delta R.T. -0.006 min

Lab File: BF133237.D

Acq: 04 May 2023 18:33

Instrument :

BNA_F

ClientSampleId :

VNJ-241

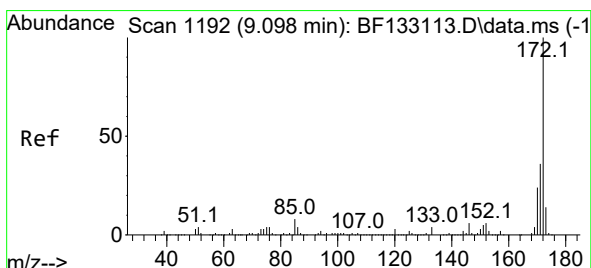
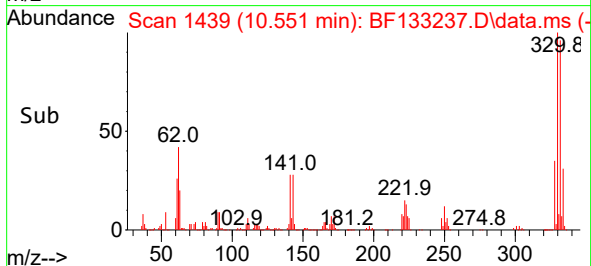
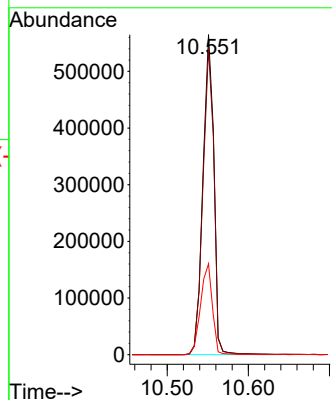
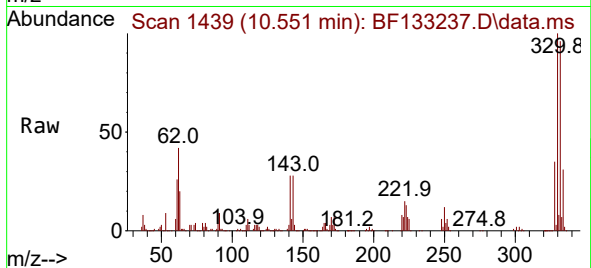
Tgt Ion:330 Resp: 529978

Ion Ratio Lower Upper

330 100

332 96.3 77.1 115.7

141 30.6 25.8 38.8



#45

2-Fluorobiphenyl

Concen: 80.926 ng

RT: 9.086 min Scan# 1190

Delta R.T. -0.006 min

Lab File: BF133237.D

Acq: 04 May 2023 18:33

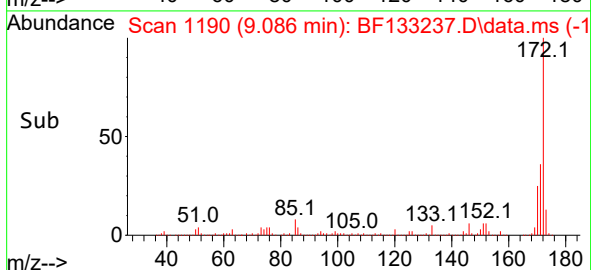
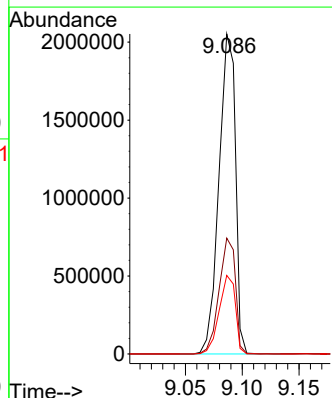
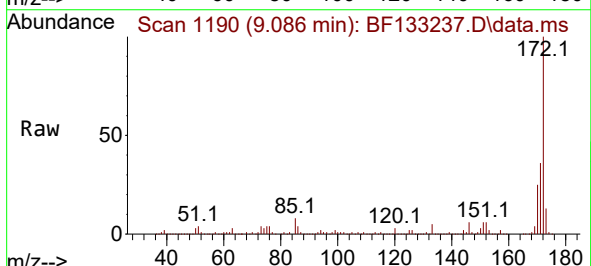
Tgt Ion:172 Resp: 2079035

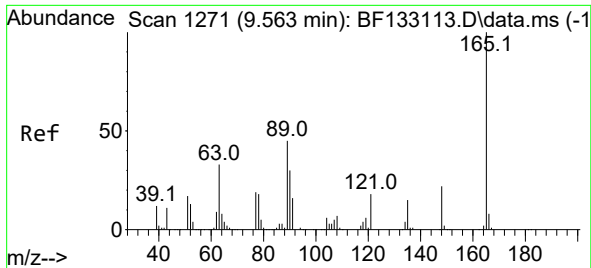
Ion Ratio Lower Upper

172 100

171 36.2 28.8 43.2

170 24.5 19.4 29.2

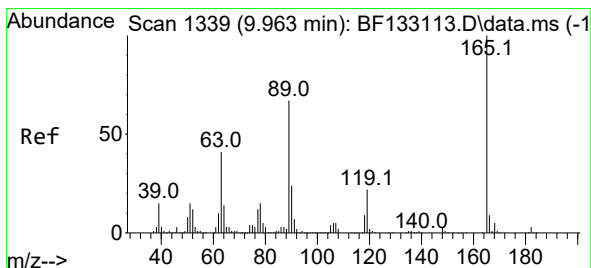
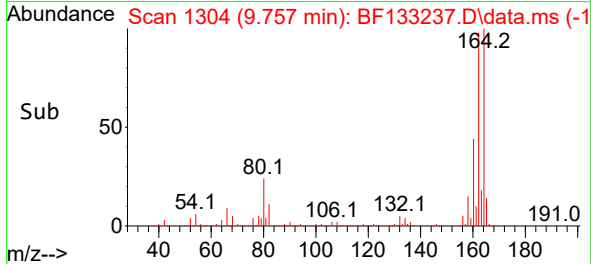
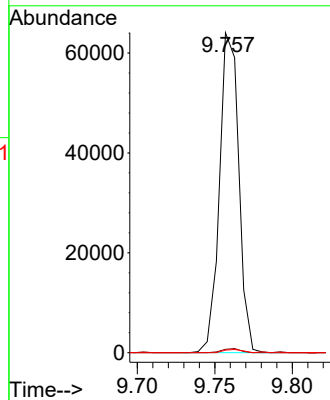
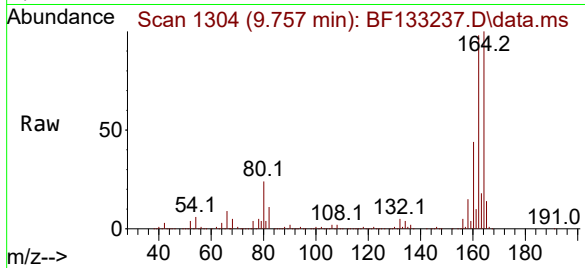




#51
2,6-Dinitrotoluene
Concen: 8.226 ng
RT: 9.757 min Scan# 11
Delta R.T. 0.200 min
Lab File: BF133237.D
Acq: 04 May 2023 18:33

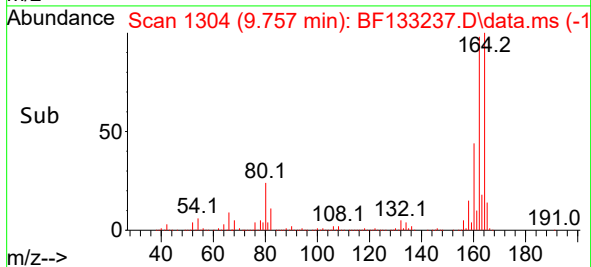
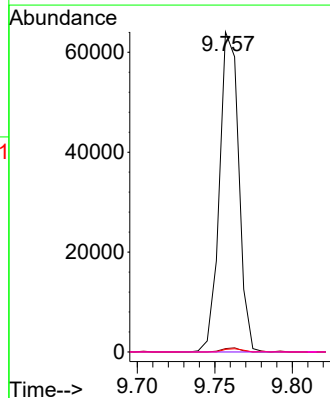
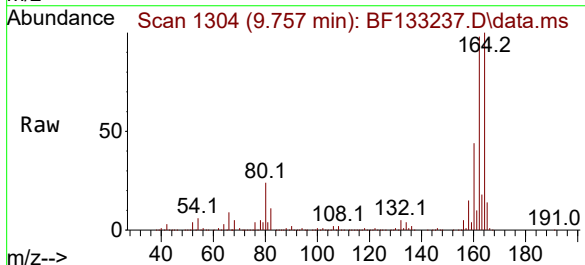
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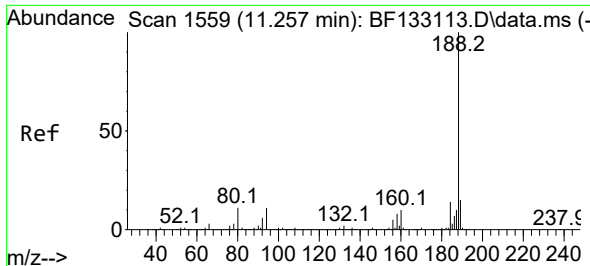
Tgt Ion:165 Resp: 55485
Ion Ratio Lower Upper
165 100
63 1.1 45.9 68.9#
89 0.8 44.0 66.0#



#57
2,4-Dinitrotoluene
Concen: 6.450 ng
RT: 9.757 min Scan# 1304
Delta R.T. -0.200 min
Lab File: BF133237.D
Acq: 04 May 2023 18:33

Tgt Ion:165 Resp: 55485
Ion Ratio Lower Upper
165 100
63 1.1 37.7 56.5#
89 0.8 57.0 85.4#
182 0.0 2.1 3.1#

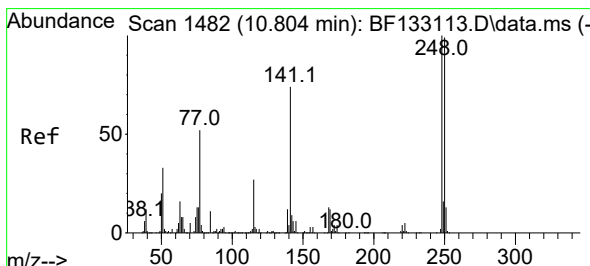
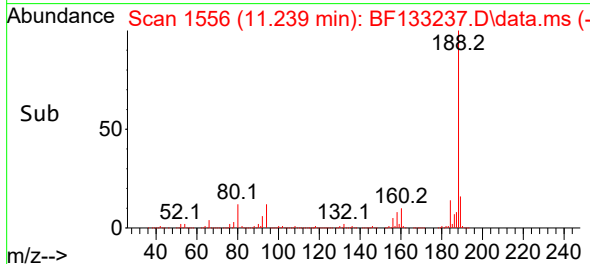
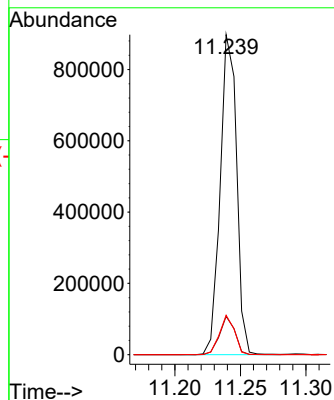
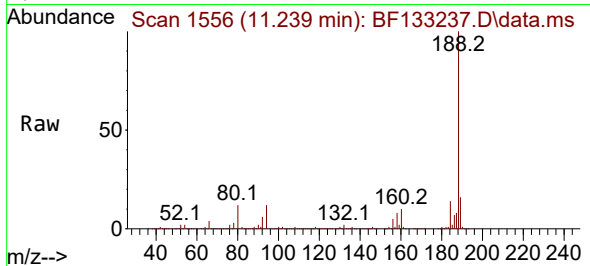




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.239 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF133237.D
Acq: 04 May 2023 18:33

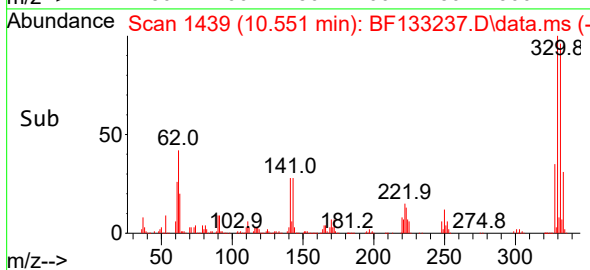
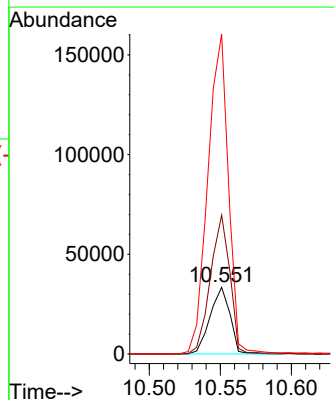
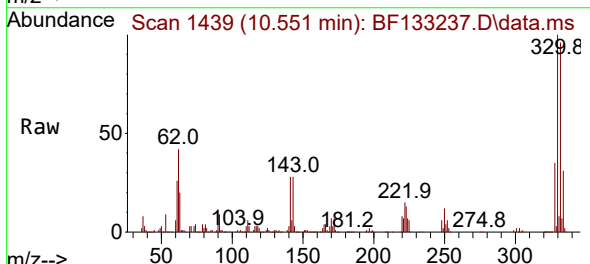
Instrument :
BNA_F
ClientSampleId :
VNJ-241

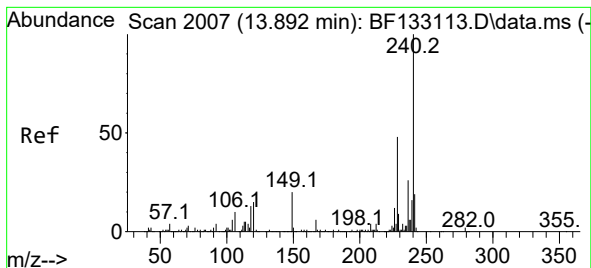
Tgt Ion:188 Resp: 779524
Ion Ratio Lower Upper
188 100
94 11.9 9.7 14.5
80 12.4 10.4 15.6



#67
4-Bromophenyl-phenylether
Concen: 3.838 ng
RT: 10.551 min Scan# 1439
Delta R.T. -0.247 min
Lab File: BF133237.D
Acq: 04 May 2023 18:33

Tgt Ion:248 Resp: 32445
Ion Ratio Lower Upper
248 100
250 208.1 78.7 118.1#
141 479.5 56.3 84.5#





#76

Chrysene-d12

Concen: 20.000 ng

RT: 13.874 min Scan# 20

Delta R.T. -0.012 min

Lab File: BF133237.D

Acq: 04 May 2023 18:33

Instrument :

BNA_F

ClientSampleId :

VNJ-241

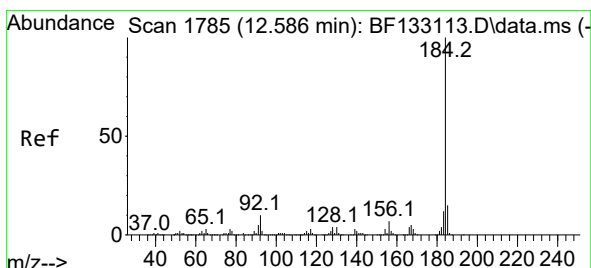
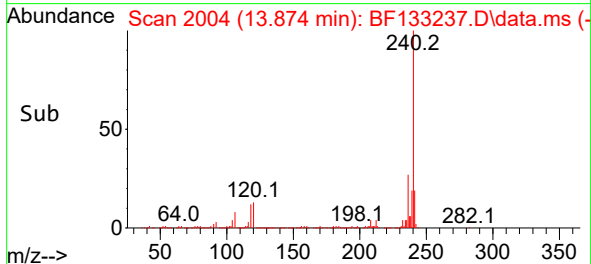
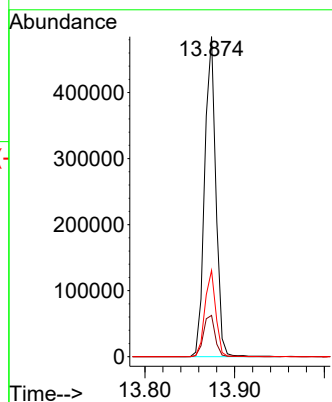
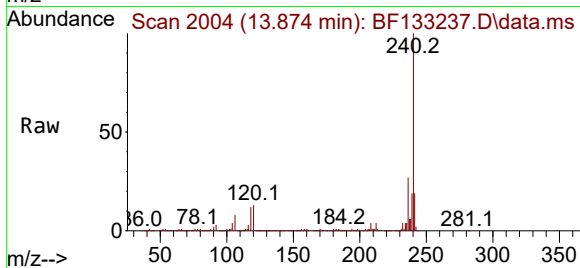
Tgt Ion:240 Resp: 419331

Ion Ratio Lower Upper

240 100

120 12.9 10.5 15.7

236 26.9 21.5 32.3



#77

Benzidine

Concen: 3.225 ng

RT: 12.574 min Scan# 1783

Delta R.T. -0.006 min

Lab File: BF133237.D

Acq: 04 May 2023 18:33

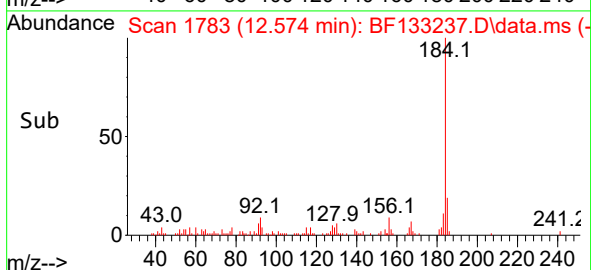
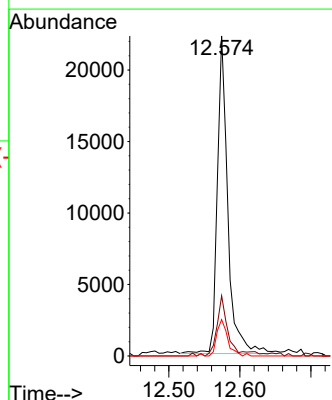
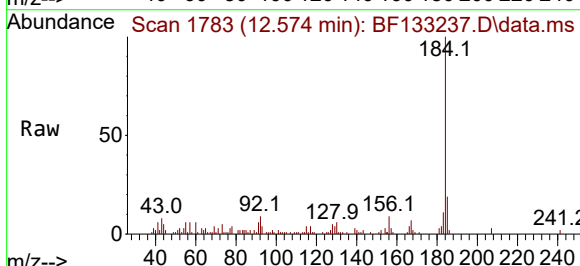
Tgt Ion:184 Resp: 22866

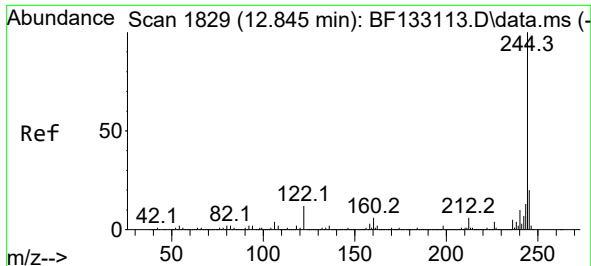
Ion Ratio Lower Upper

184 100

185 18.8 15.4 23.2

183 11.3 9.4 14.0

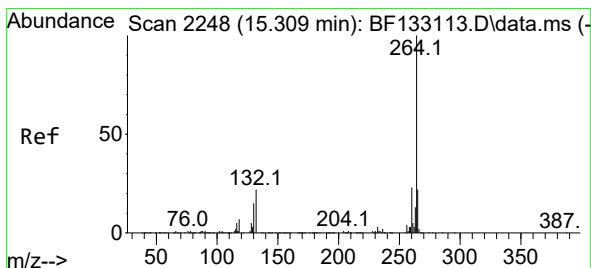
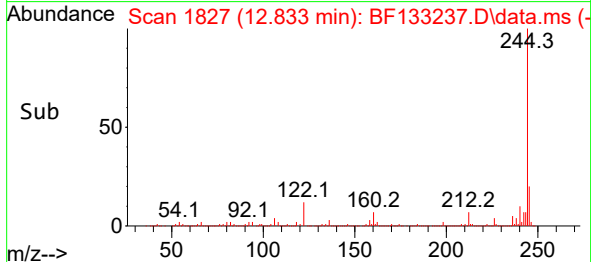
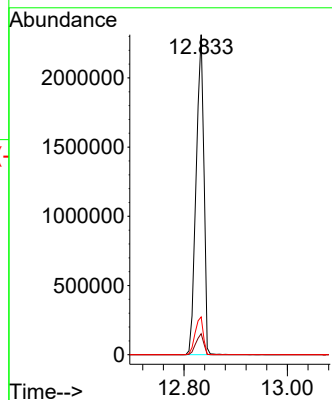
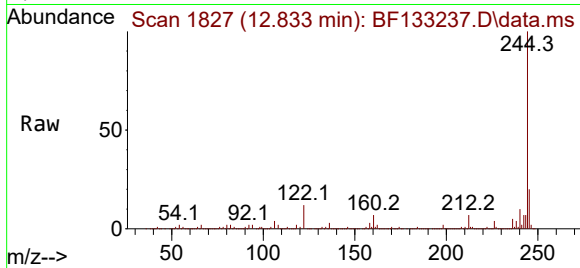




#79
 Terphenyl-d14
 Concen: 98.718 ng
 RT: 12.833 min Scan# 11
 Delta R.T. -0.000 min
 Lab File: BF133237.D
 Acq: 04 May 2023 18:33

Instrument :
 BNA_F
 ClientSampleId :
 VNJ-241

Tgt Ion:244 Resp: 2400197
 Ion Ratio Lower Upper
 244 100
 212 6.6 5.1 7.7
 122 11.8 8.6 13.0



#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.292 min Scan# 2245
 Delta R.T. -0.006 min
 Lab File: BF133237.D
 Acq: 04 May 2023 18:33

Tgt Ion:264 Resp: 395254
 Ion Ratio Lower Upper
 264 100
 260 25.7 18.8 28.2
 265 21.5 17.0 25.4

