

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF032725\
 Data File : BF142137.D
 Acq On : 27 Mar 2025 21:11
 Operator : RC/JU
 Sample : Q1648-06
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TP-3

Quant Time: Mar 28 01:57:26 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF031025.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Mar 10 15:46:22 2025
 Response via : Initial Calibration

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

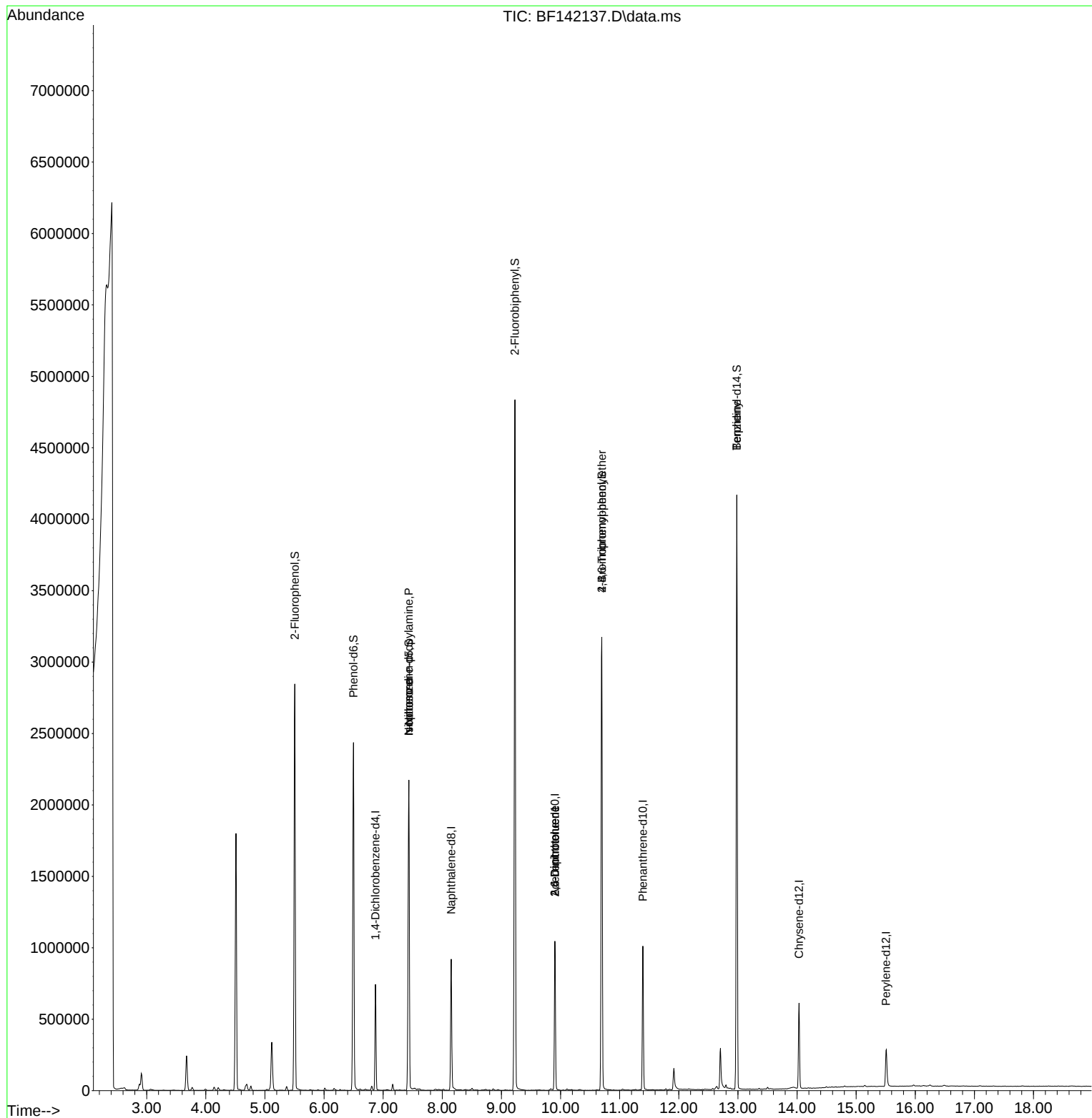
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.869	152	155651	20.000	ng	-0.01
21) Naphthalene-d8	8.151	136	613037	20.000	ng	-0.01
39) Acenaphthene-d10	9.904	164	306461	20.000	ng	-0.01
64) Phenanthrene-d10	11.392	188	518163	20.000	ng	-0.01
76) Chrysene-d12	14.033	240	294147	20.000	ng	0.00
86) Perylene-d12	15.504	264	134910	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.504	112	1174605	125.946	ng	0.01
7) Phenol-d6	6.498	99	1227289	103.356	ng	0.00
23) Nitrobenzene-d5	7.434	82	1058853	97.201	ng	-0.01
42) 2,4,6-Tribromophenol	10.698	330	649528	167.066	ng	0.00
45) 2-Fluorobiphenyl	9.228	172	2204283	109.387	ng	-0.01
79) Terphenyl-d14	12.980	244	2054717	103.275	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propyla...	7.434	70	146488	19.199	ng	# 77
25) Isophorone	7.434	82	1038048	53.908	ng	# 64
51) 2,6-Dinitrotoluene	9.904	165	39233	8.780	ng	# 23
57) 2,4-Dinitrotoluene	9.904	165	39233	6.722	ng	# 25
67) 4-Bromophenyl-phenylether	10.698	248	39133	6.013	ng	# 1
77) Benzidine	12.980	184	28069	6.840	ng	# 94

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

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF032725\
Data File : BF142137.D
Acq On : 27 Mar 2025 21:11
Operator : RC/JU
Sample : Q1648-06
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TP-3

Quant Time: Mar 28 01:57:26 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF031025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Mar 10 15:46:22 2025
Response via : Initial Calibration

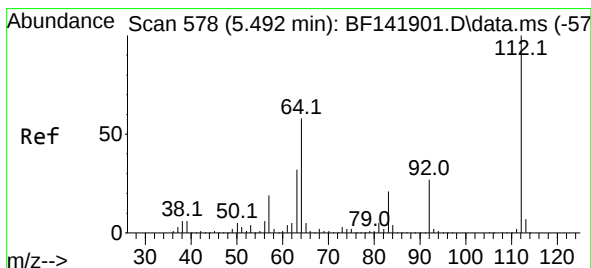
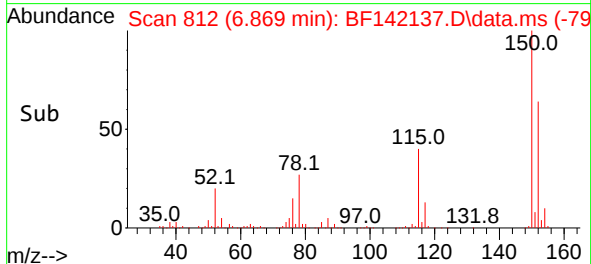
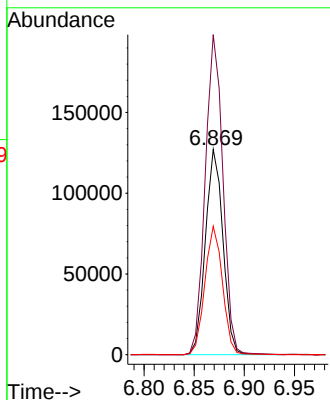
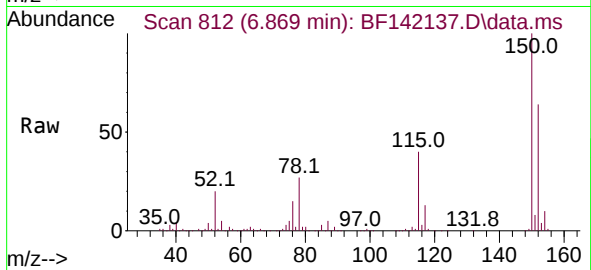




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.869 min Scan# 814
Delta R.T. -0.012 min
Lab File: BF142137.D
Acq: 27 Mar 2025 21:11

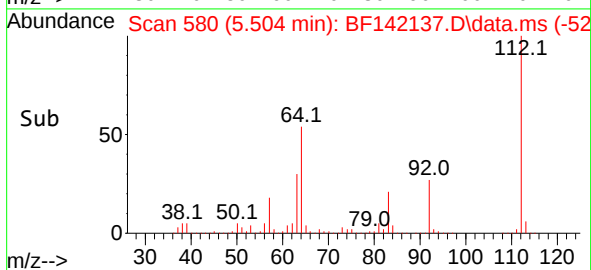
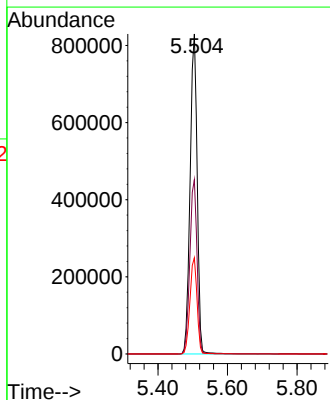
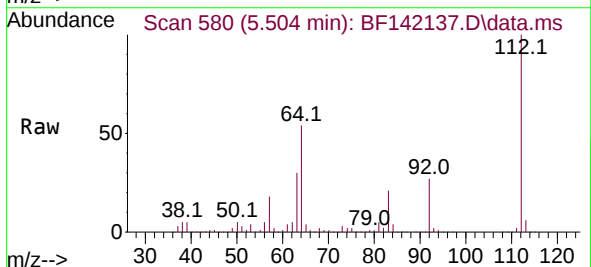
Instrument :
BNA_F
ClientSampleId :
TP-3

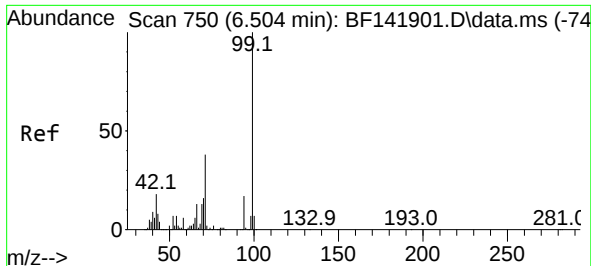
Tgt Ion:152 Resp: 155651
Ion Ratio Lower Upper
152 100
150 155.9 127.4 191.2
115 62.5 51.9 77.9



#5
2-Fluorophenol
Concen: 125.946 ng
RT: 5.504 min Scan# 580
Delta R.T. 0.012 min
Lab File: BF142137.D
Acq: 27 Mar 2025 21:11

Tgt Ion:112 Resp: 1174605
Ion Ratio Lower Upper
112 100
64 54.5 46.5 69.7
63 30.1 25.4 38.2



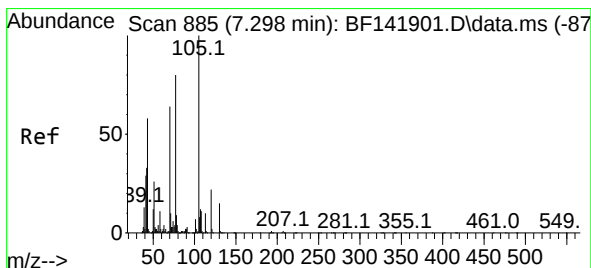
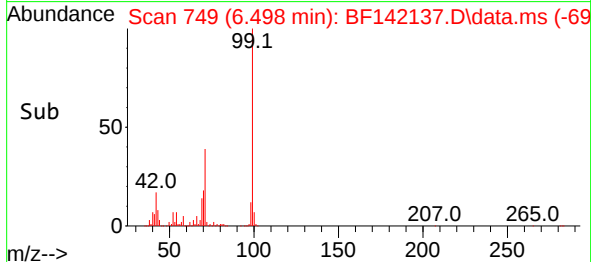
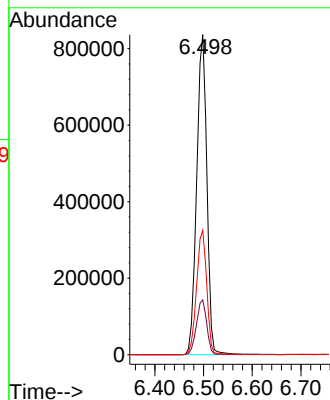
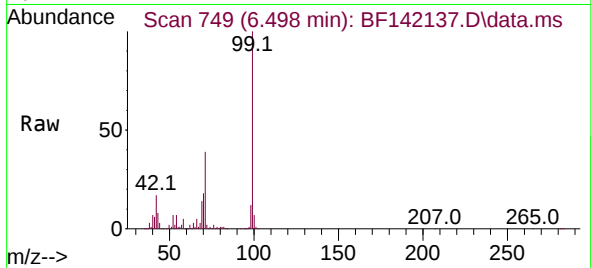


#7
Phenol-d6
Concen: 103.356 ng
RT: 6.498 min Scan# 74
Delta R.T. -0.006 min
Lab File: BF142137.D
Acq: 27 Mar 2025 21:11

Instrument :
BNA_F
ClientSampleId :
TP-3

Tgt Ion: 99 Resp: 1227289

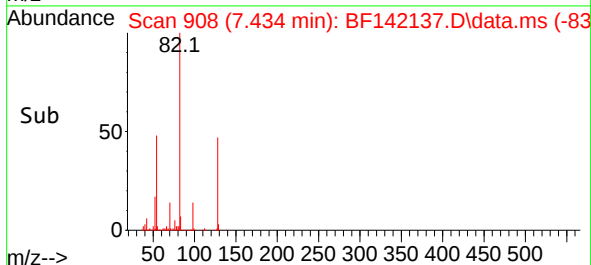
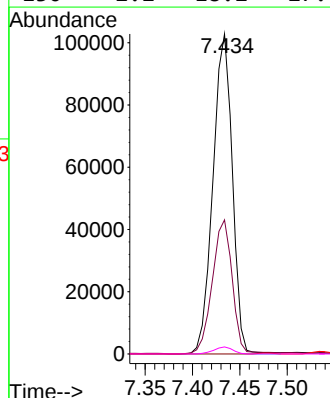
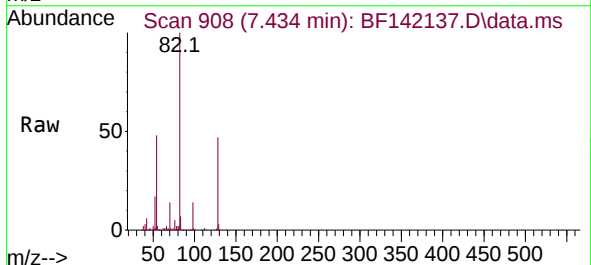
Ion	Ratio	Lower	Upper
99	100		
42	17.1	14.6	21.8
71	38.9	30.8	46.2



#19
n-Nitroso-di-n-propylamine
Concen: 19.199 ng
RT: 7.434 min Scan# 908
Delta R.T. 0.135 min
Lab File: BF142137.D
Acq: 27 Mar 2025 21:11

Tgt Ion: 70 Resp: 146488

Ion	Ratio	Lower	Upper
70	100		
42	41.9	41.4	62.0
101	0.0	8.2	12.2#
130	2.2	18.2	27.4#

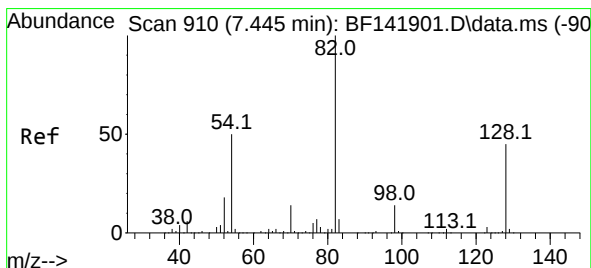
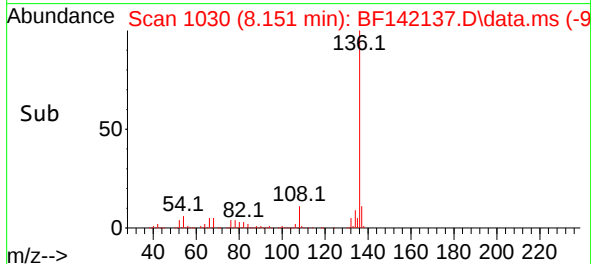
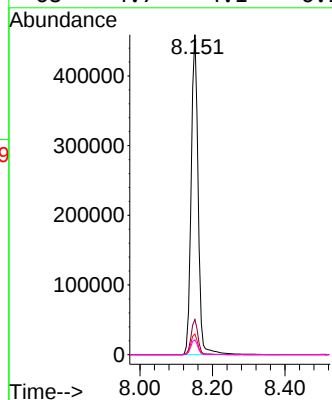
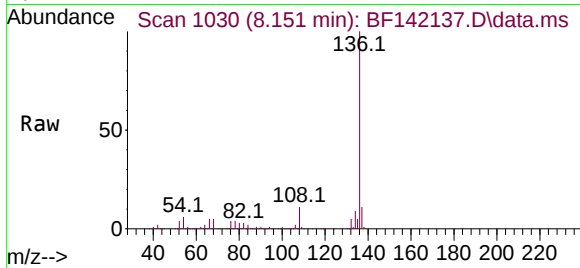




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.151 min Scan# 1
Delta R.T. -0.012 min
Lab File: BF142137.D
Acq: 27 Mar 2025 21:11

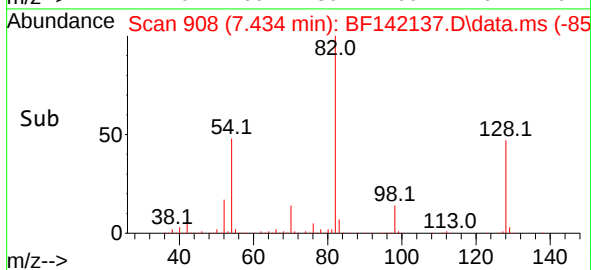
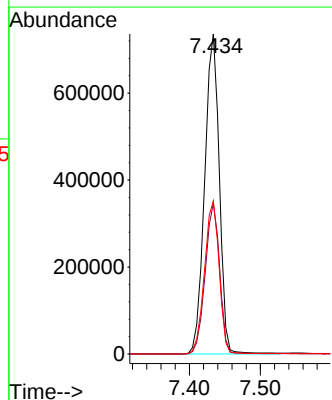
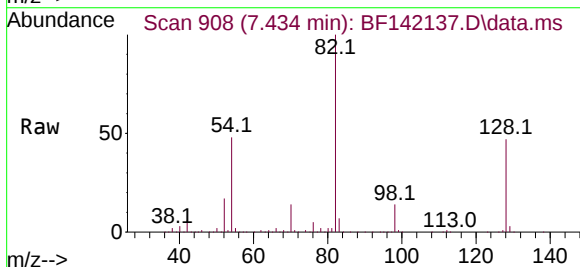
Instrument :
BNA_F
ClientSampleId :
TP-3

Tgt Ion:136 Resp: 613037
Ion Ratio Lower Upper
136 100
137 11.0 8.8 13.2
54 6.4 5.8 8.8
68 4.7 4.1 6.1



#23
Nitrobenzene-d5
Concen: 97.201 ng
RT: 7.434 min Scan# 908
Delta R.T. -0.012 min
Lab File: BF142137.D
Acq: 27 Mar 2025 21:11

Tgt Ion: 82 Resp: 1058853
Ion Ratio Lower Upper
82 100
128 47.2 36.0 54.0
54 47.9 39.6 59.4

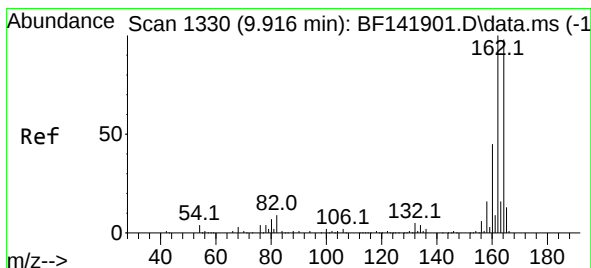
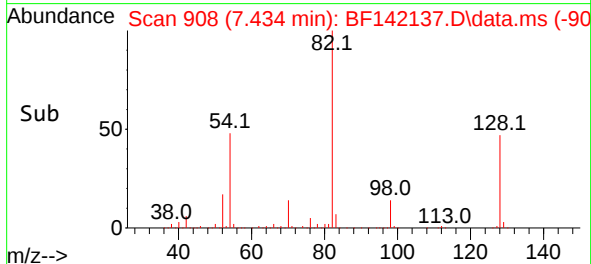
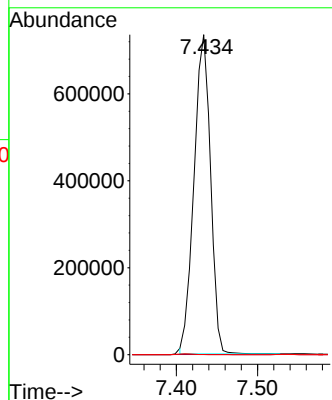
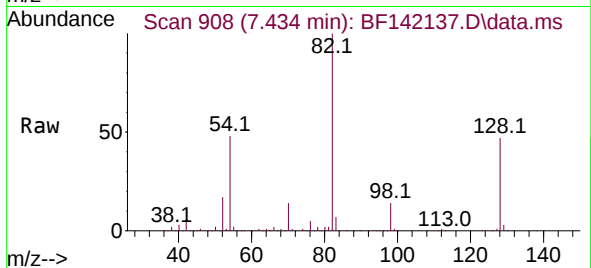




#25
Isophorone
Concen: 53.908 ng
RT: 7.434 min Scan# 90
Delta R.T. -0.270 min
Lab File: BF142137.D
Acq: 27 Mar 2025 21:11

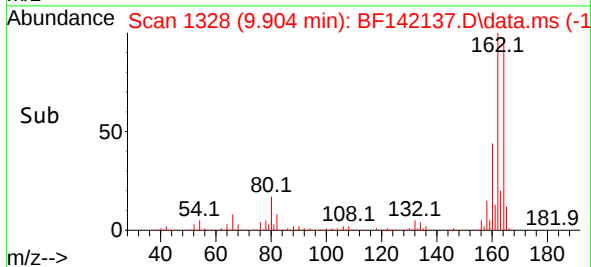
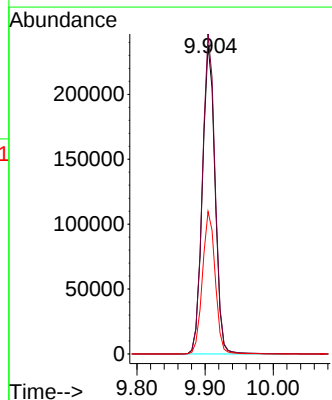
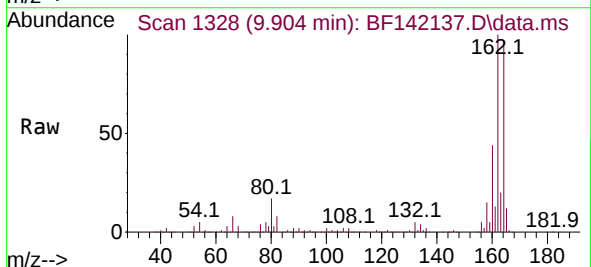
Instrument :
BNA_F
ClientSampleId :
TP-3

Tgt Ion: 82 Resp: 1038048
Ion Ratio Lower Upper
82 100
95 0.0 6.4 9.6#
138 0.0 14.9 22.3#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.904 min Scan# 1328
Delta R.T. -0.012 min
Lab File: BF142137.D
Acq: 27 Mar 2025 21:11

Tgt Ion:164 Resp: 306461
Ion Ratio Lower Upper
164 100
162 103.5 81.8 122.6
160 46.0 36.7 55.1





#42

2,4,6-Tribromophenol

Concen: 167.066 ng

RT: 10.698 min Scan# 1463

Delta R.T. -0.006 min

Lab File: BF142137.D

Acq: 27 Mar 2025 21:11

Instrument :

BNA_F

ClientSampleId :

TP-3

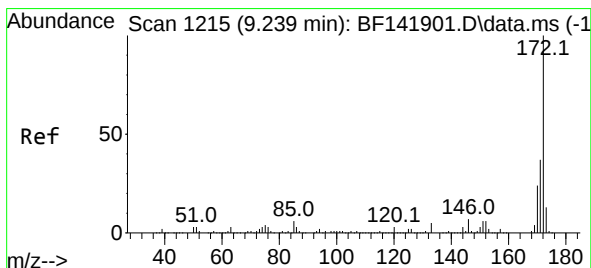
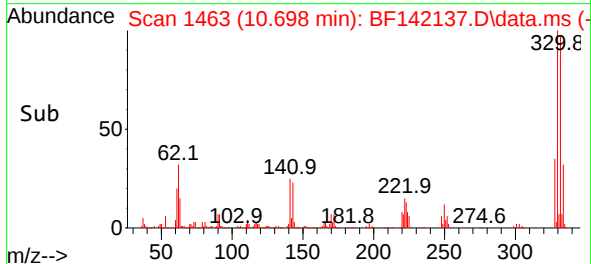
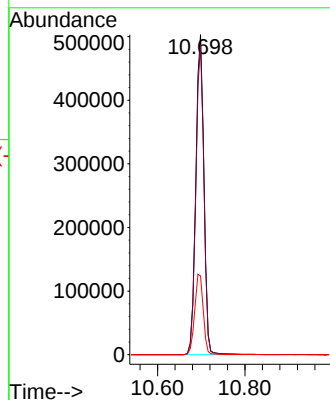
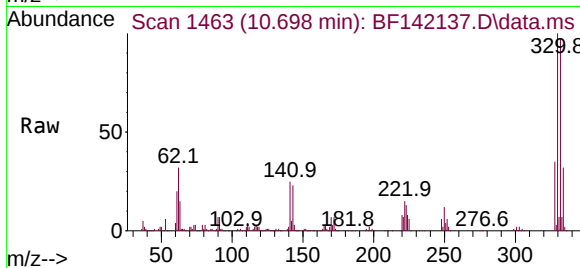
Tgt Ion:330 Resp: 649528

Ion Ratio Lower Upper

330 100

332 96.7 77.6 116.4

141 26.6 24.7 37.1



#45

2-Fluorobiphenyl

Concen: 109.387 ng

RT: 9.228 min Scan# 1213

Delta R.T. -0.012 min

Lab File: BF142137.D

Acq: 27 Mar 2025 21:11

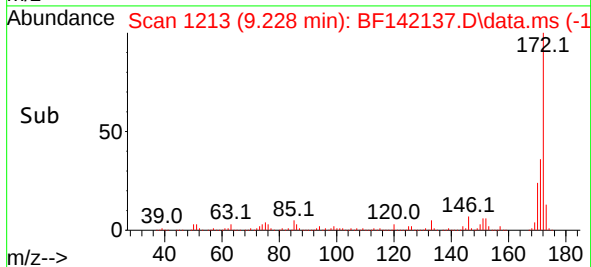
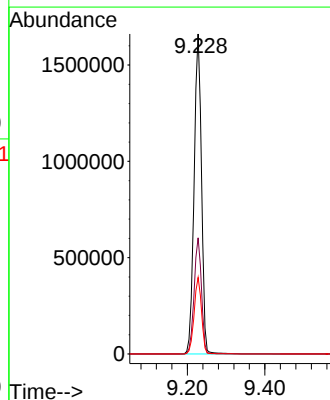
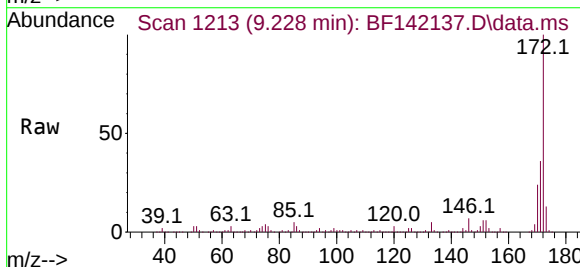
Tgt Ion:172 Resp: 2204283

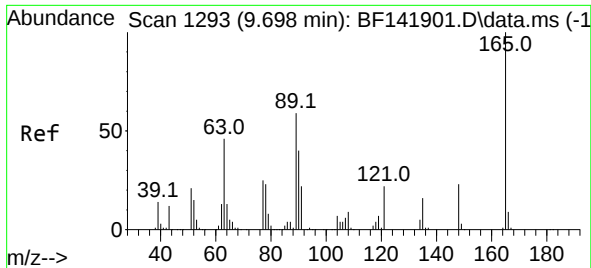
Ion Ratio Lower Upper

172 100

171 36.3 29.3 43.9

170 23.9 19.4 29.0

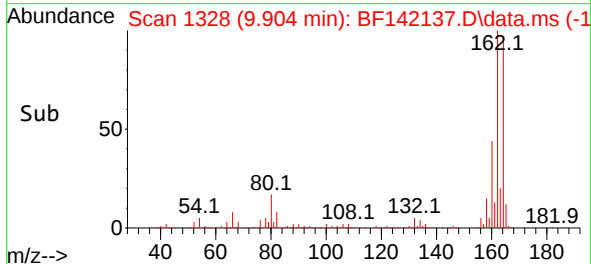
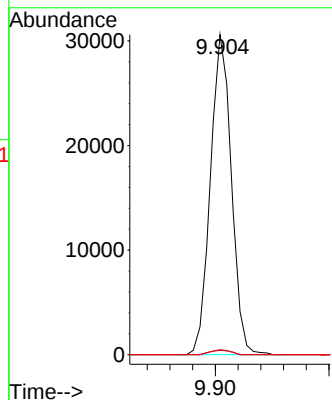
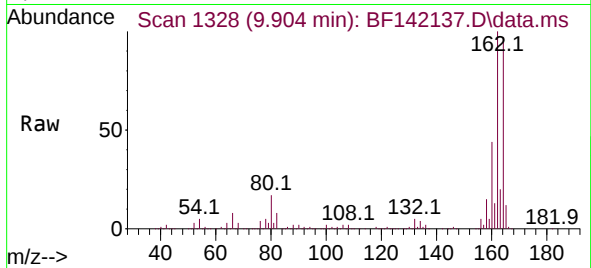




#51
2,6-Dinitrotoluene
Concen: 8.780 ng
RT: 9.904 min Scan# 11
Delta R.T. 0.206 min
Lab File: BF142137.D
Acq: 27 Mar 2025 21:11

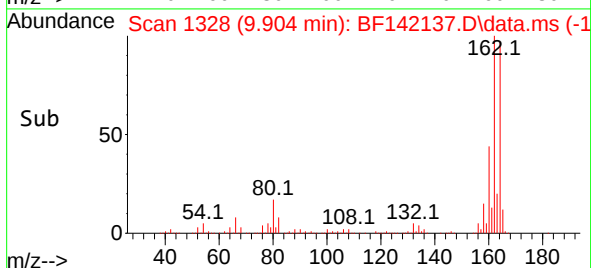
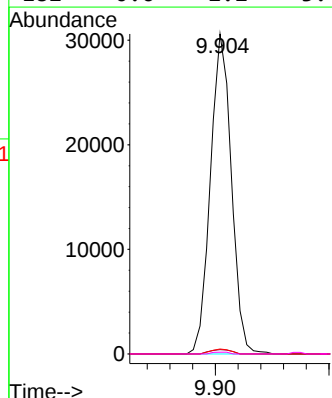
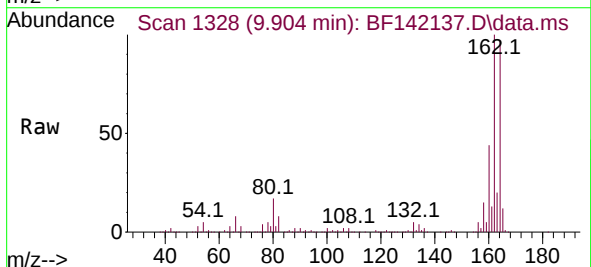
Instrument :
BNA_F
ClientSampleId :
TP-3

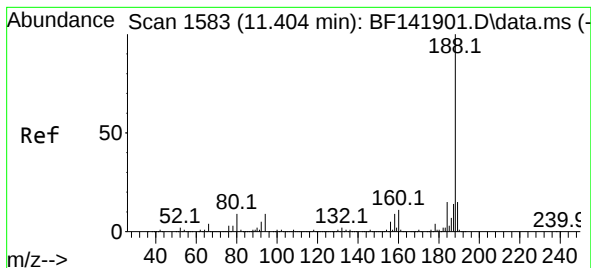
Tgt Ion:165 Resp: 39233
Ion Ratio Lower Upper
165 100
63 1.3 47.0 70.4#
89 1.6 47.4 71.2#



#57
2,4-Dinitrotoluene
Concen: 6.722 ng
RT: 9.904 min Scan# 1328
Delta R.T. -0.200 min
Lab File: BF142137.D
Acq: 27 Mar 2025 21:11

Tgt Ion:165 Resp: 39233
Ion Ratio Lower Upper
165 100
63 1.3 35.4 53.2#
89 1.6 56.6 84.8#
182 0.6 2.2 3.4#





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.392 min Scan# 1

Delta R.T. -0.012 min

Lab File: BF142137.D

Acq: 27 Mar 2025 21:11

Instrument :

BNA_F

ClientSampleId :

TP-3

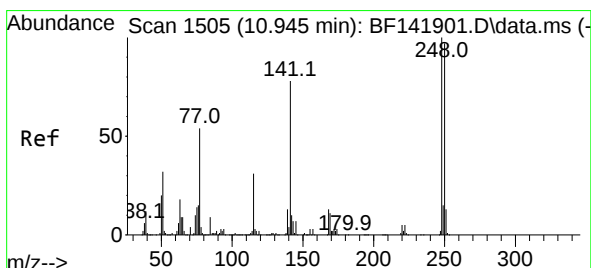
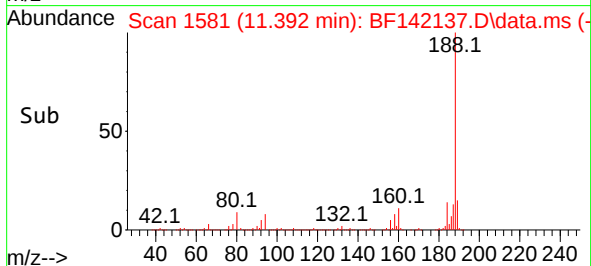
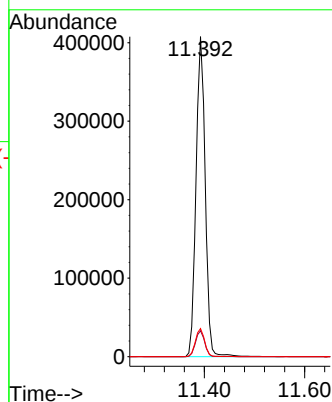
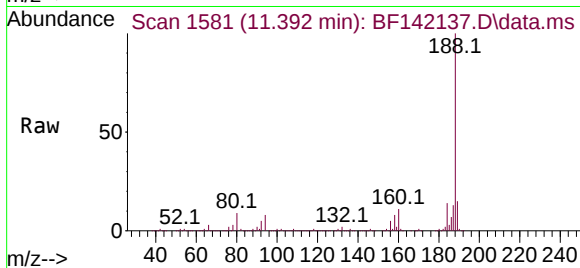
Tgt Ion:188 Resp: 518163

Ion Ratio Lower Upper

188 100

94 8.1 6.8 10.2

80 8.8 7.6 11.4



#67

4-Bromophenyl-phenylether

Concen: 6.013 ng

RT: 10.698 min Scan# 1463

Delta R.T. -0.247 min

Lab File: BF142137.D

Acq: 27 Mar 2025 21:11

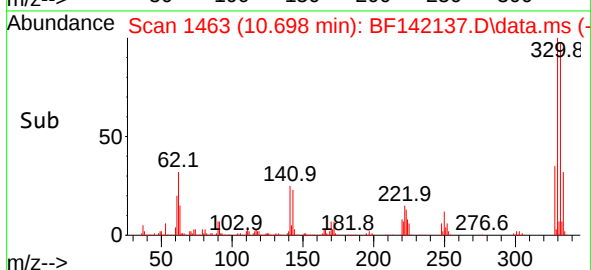
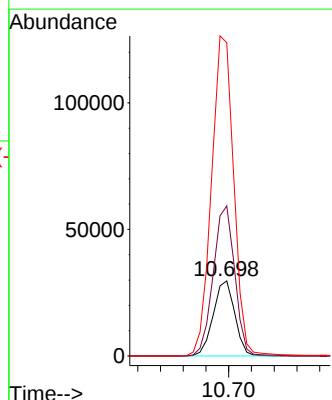
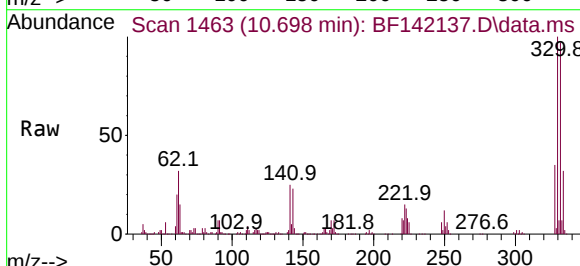
Tgt Ion:248 Resp: 39133

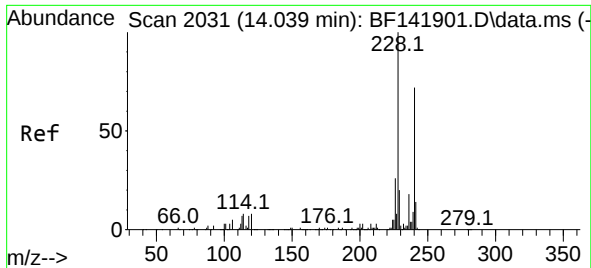
Ion Ratio Lower Upper

248 100

250 199.7 77.8 116.8#

141 417.2 62.6 93.8#

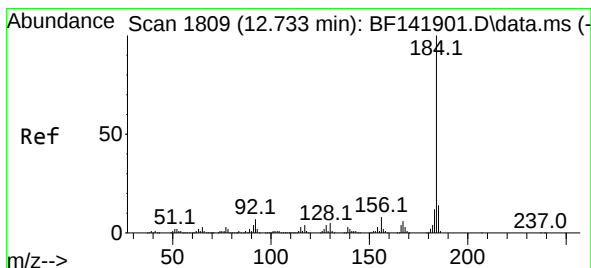
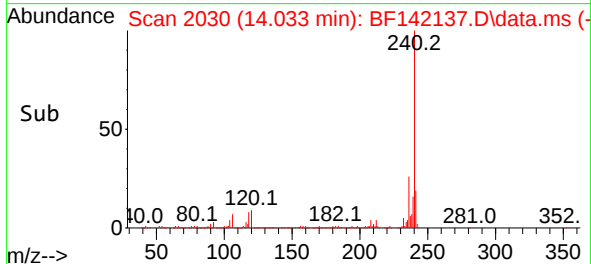
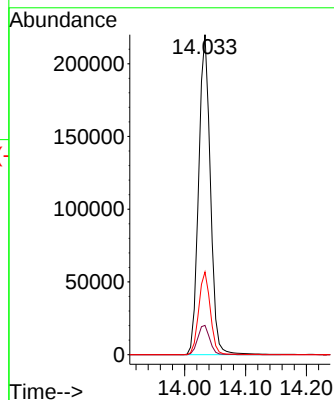
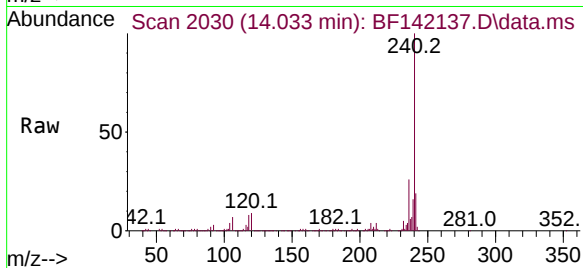




#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.033 min Scan# 2031
Delta R.T. -0.006 min
Lab File: BF142137.D
Acq: 27 Mar 2025 21:11

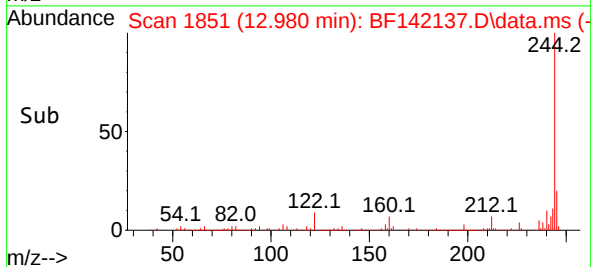
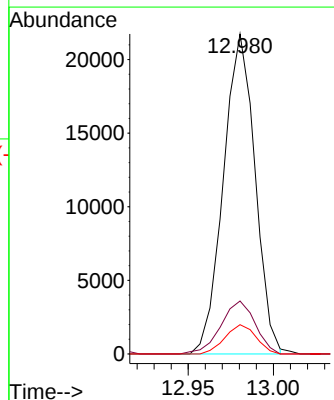
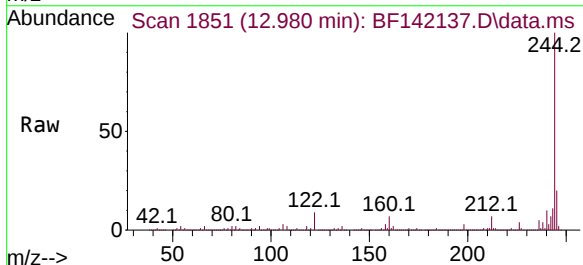
Instrument :
BNA_F
ClientSampleId :
TP-3

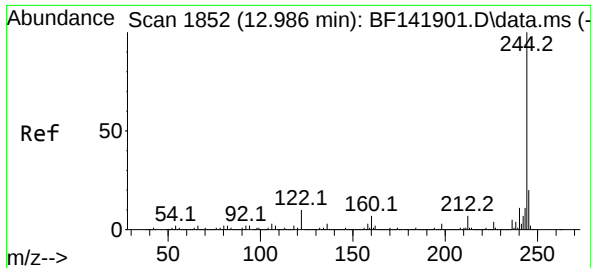
Tgt Ion:240 Resp: 294147
Ion Ratio Lower Upper
240 100
120 9.1 8.4 12.6
236 25.8 20.5 30.7



#77
Benzidine
Concen: 6.840 ng
RT: 12.980 min Scan# 1851
Delta R.T. 0.247 min
Lab File: BF142137.D
Acq: 27 Mar 2025 21:11

Tgt Ion:184 Resp: 28069
Ion Ratio Lower Upper
184 100
185 16.5 11.5 17.3
183 9.1 9.7 14.5#

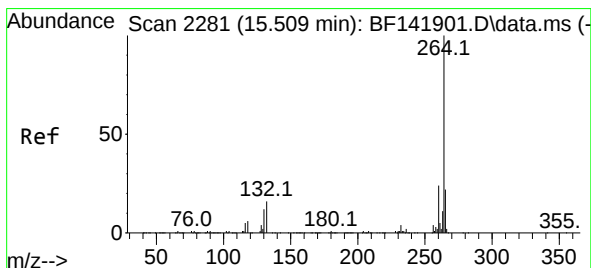
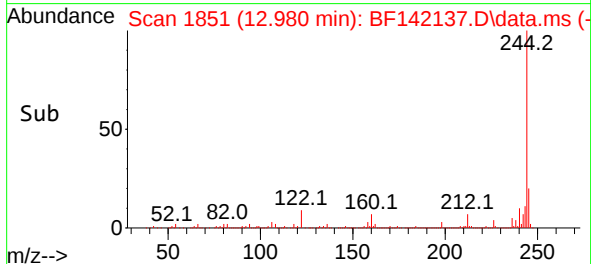
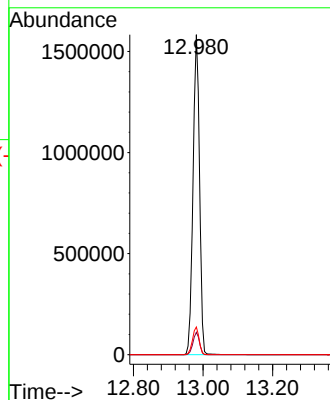
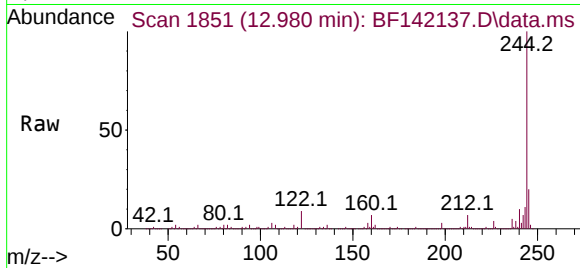




#79
 Terphenyl-d14
 Concen: 103.275 ng
 RT: 12.980 min Scan# 1851
 Delta R.T. -0.006 min
 Lab File: BF142137.D
 Acq: 27 Mar 2025 21:11

Instrument :
 BNA_F
 ClientSampleId :
 TP-3

Tgt Ion:244 Resp: 2054717
 Ion Ratio Lower Upper
 244 100
 212 7.0 6.0 9.0
 122 8.7 7.7 11.5



#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.504 min Scan# 2280
 Delta R.T. -0.006 min
 Lab File: BF142137.D
 Acq: 27 Mar 2025 21:11

Tgt Ion:264 Resp: 134910
 Ion Ratio Lower Upper
 264 100
 260 25.1 19.1 28.7
 265 20.3 17.5 26.3

