

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF032725\
 Data File : BF142141.D
 Acq On : 27 Mar 2025 23:09
 Operator : RC/JU
 Sample : Q1648-14
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TP-2

Quant Time: Mar 28 01:58:35 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)

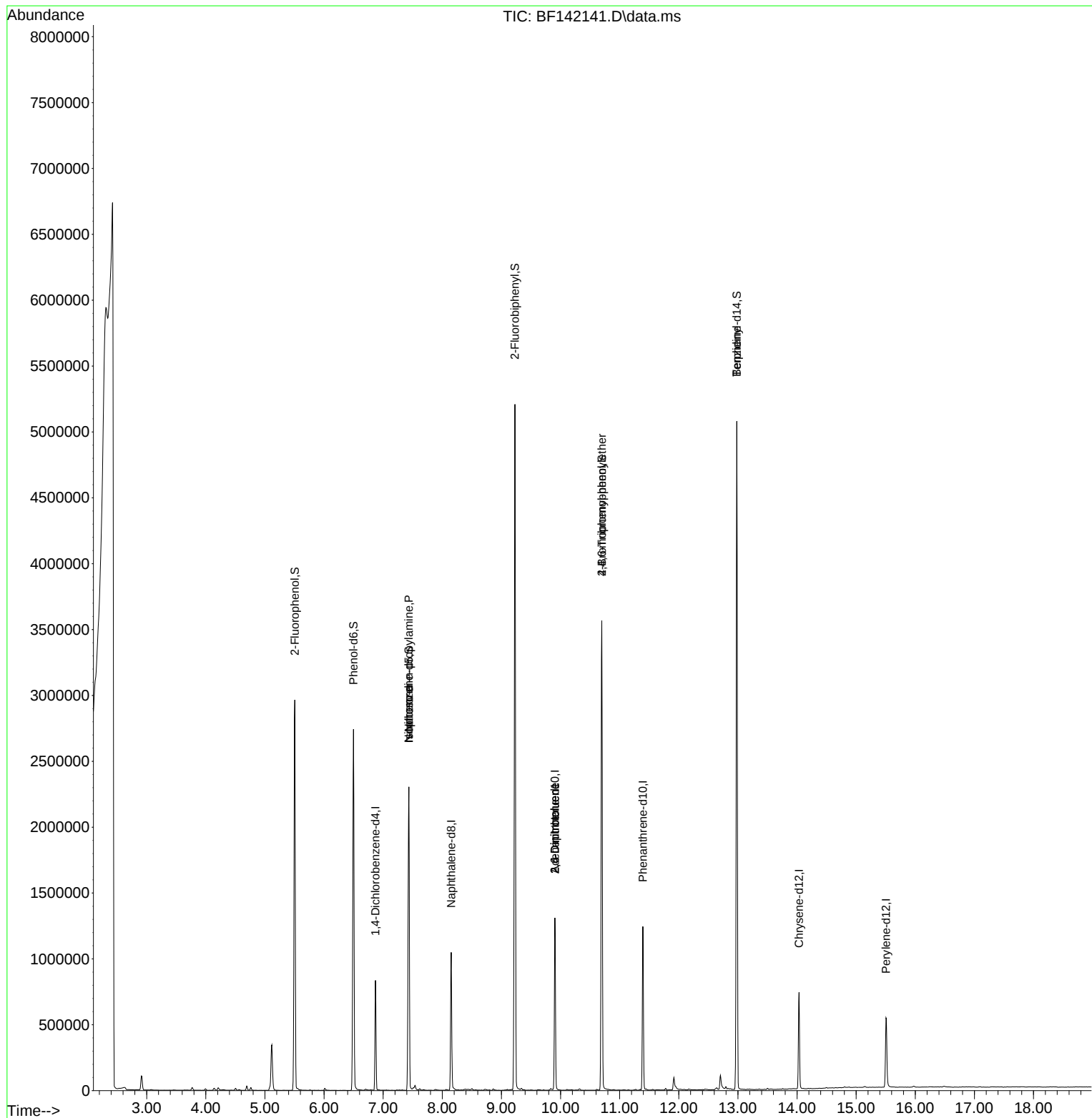
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.869	152	177748	20.000	ng	-0.01
21) Naphthalene-d8	8.151	136	702161	20.000	ng	-0.01
39) Acenaphthene-d10	9.904	164	402212	20.000	ng	-0.01
64) Phenanthrene-d10	11.392	188	645035	20.000	ng	-0.01
76) Chrysene-d12	14.033	240	375966	20.000	ng	0.00
86) Perylene-d12	15.504	264	346790	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.504	112	1257704	118.092	ng	0.01
7) Phenol-d6	6.498	99	1439234	106.138	ng	0.00
23) Nitrobenzene-d5	7.434	82	1144320	91.714	ng	-0.01
42) 2,4,6-Tribromophenol	10.698	330	738775	144.784	ng	0.00
45) 2-Fluorobiphenyl	9.228	172	2424597	91.677	ng	-0.01
79) Terphenyl-d14	12.980	244	2546763	100.149	ng	0.00
Target Compounds						Qvalue
19) n-Nitroso-di-n-propyla...	7.434	70	157769	18.107	ng	# 77
25) Isophorone	7.434	82	1125925	51.050	ng	# 64
51) 2,6-Dinitrotoluene	9.904	165	51070	8.708	ng	# 23
57) 2,4-Dinitrotoluene	9.904	165	51070	6.668	ng	# 24
67) 4-Bromophenyl-phenylether	10.698	248	44701	5.518	ng	# 1
77) Benzidine	12.980	184	33949	6.472	ng	# 94

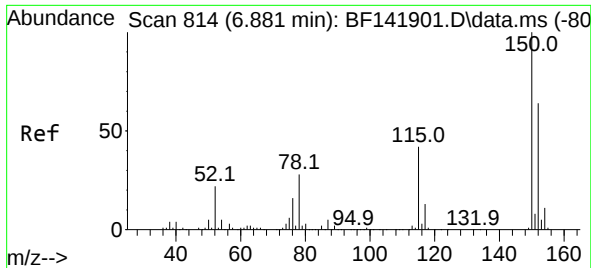
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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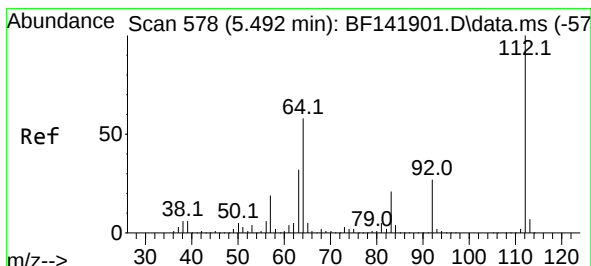
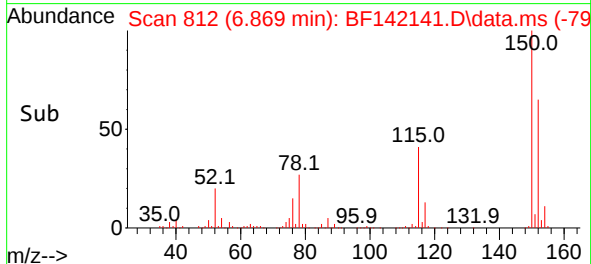
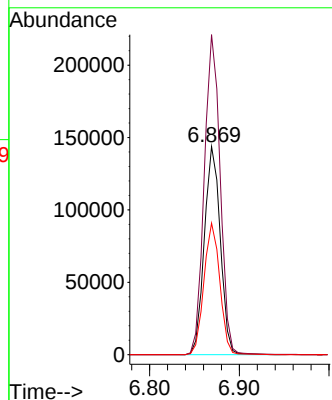
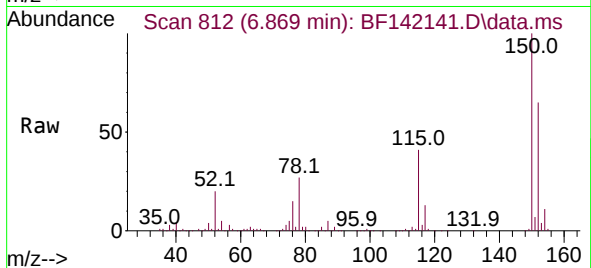




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.869 min Scan# 814
Delta R.T. -0.012 min
Lab File: BF142141.D
Acq: 27 Mar 2025 23:09

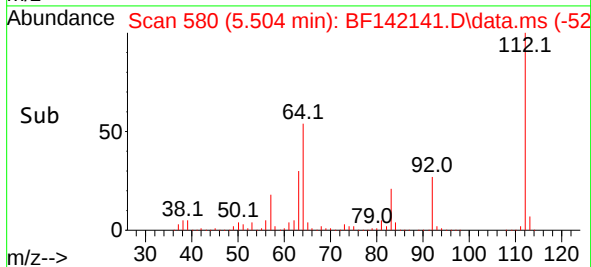
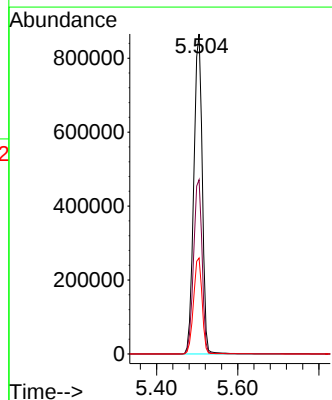
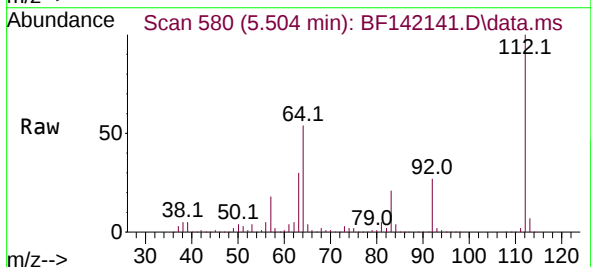
Instrument :
BNA_F
ClientSampleId :
TP-2

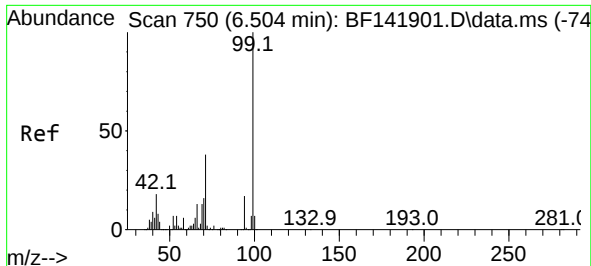
Tgt Ion:152 Resp: 177748
Ion Ratio Lower Upper
152 100
150 153.7 127.4 191.2
115 63.2 51.9 77.9



#5
2-Fluorophenol
Concen: 118.092 ng
RT: 5.504 min Scan# 580
Delta R.T. 0.012 min
Lab File: BF142141.D
Acq: 27 Mar 2025 23:09

Tgt Ion:112 Resp: 1257704
Ion Ratio Lower Upper
112 100
64 54.5 46.5 69.7
63 30.0 25.4 38.2



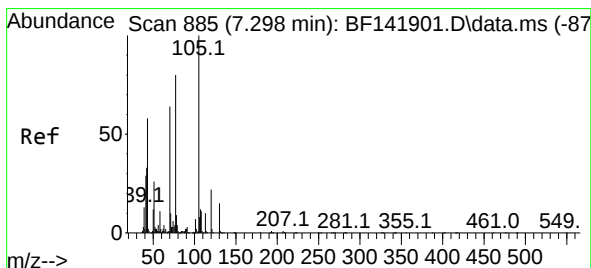
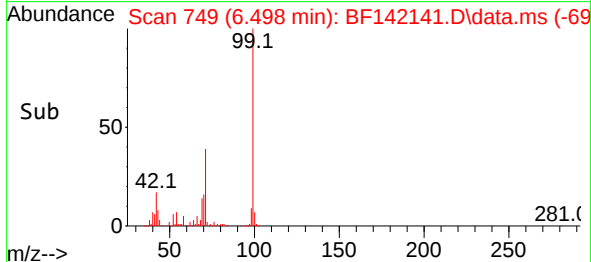
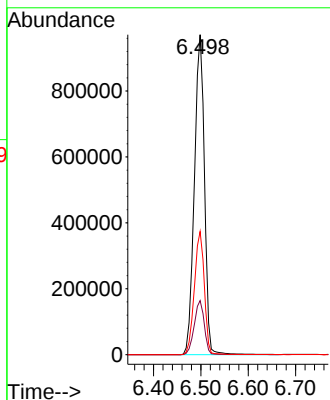
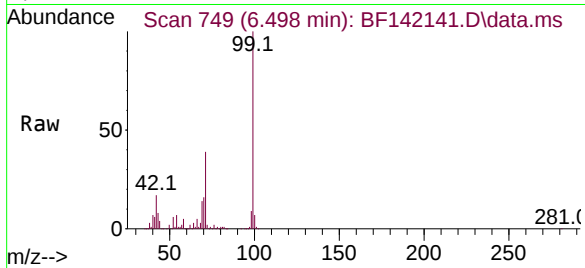


#7
Phenol-d6
Concen: 106.138 ng
RT: 6.498 min Scan# 74
Delta R.T. -0.006 min
Lab File: BF142141.D
Acq: 27 Mar 2025 23:09

Instrument :
BNA_F
ClientSampleId :
TP-2

Tgt Ion: 99 Resp: 1439234

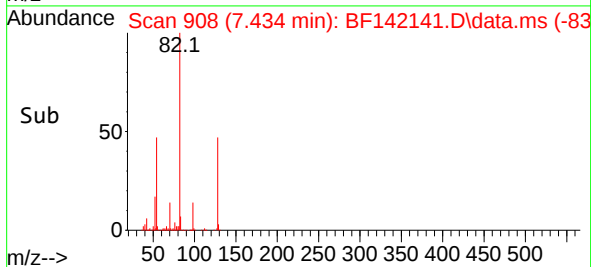
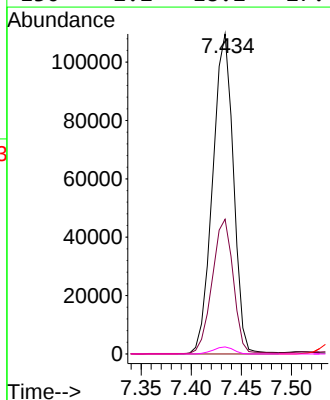
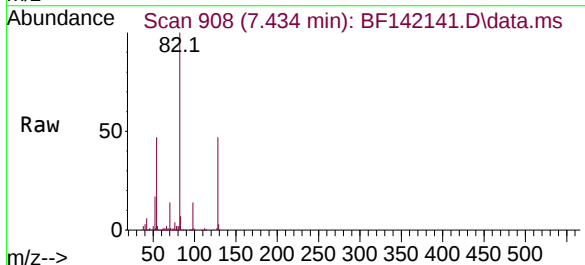
Ion	Ratio	Lower	Upper
99	100		
42	16.9	14.6	21.8
71	38.5	30.8	46.2

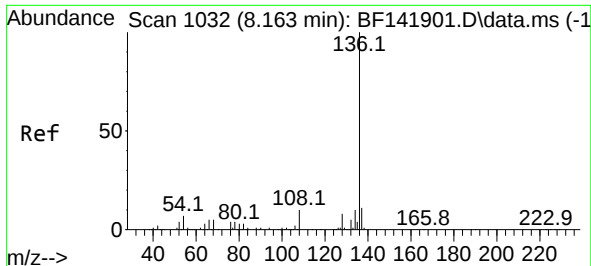


#19
n-Nitroso-di-n-propylamine
Concen: 18.107 ng
RT: 7.434 min Scan# 908
Delta R.T. 0.135 min
Lab File: BF142141.D
Acq: 27 Mar 2025 23:09

Tgt Ion: 70 Resp: 157769

Ion	Ratio	Lower	Upper
70	100		
42	42.1	41.4	62.0
101	0.0	8.2	12.2#
130	2.2	18.2	27.4#



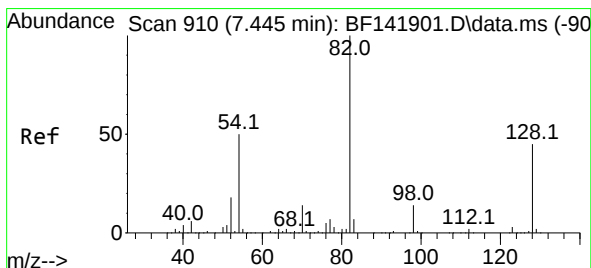
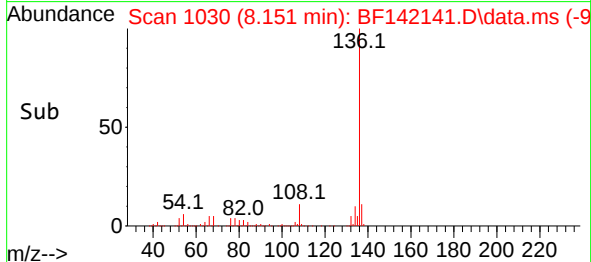
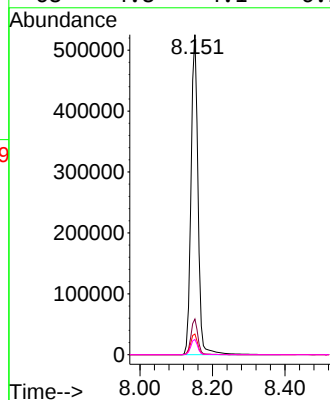
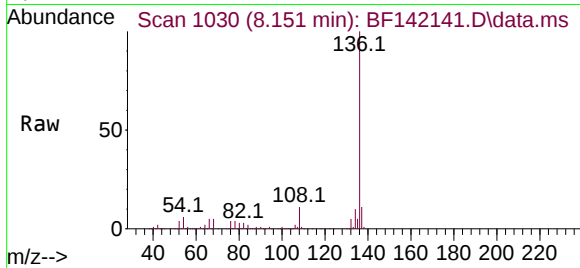


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.151 min Scan# 1030
Delta R.T. -0.012 min
Lab File: BF142141.D
Acq: 27 Mar 2025 23:09

Instrument :
BNA_F
ClientSampleId :
TP-2

Tgt Ion:136 Resp: 702161

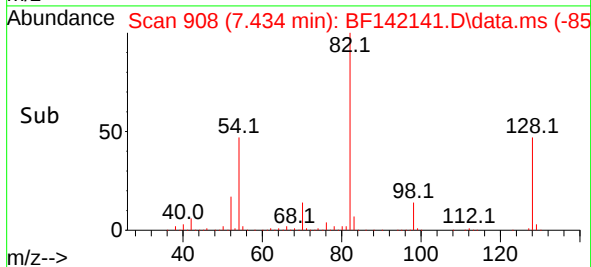
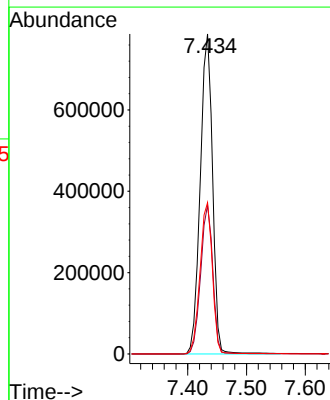
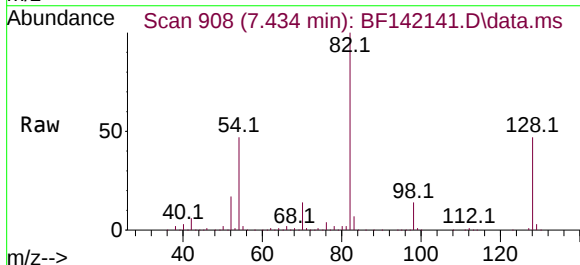
Ion	Ratio	Lower	Upper
136	100		
137	11.1	8.8	13.2
54	6.5	5.8	8.8
68	4.8	4.1	6.1

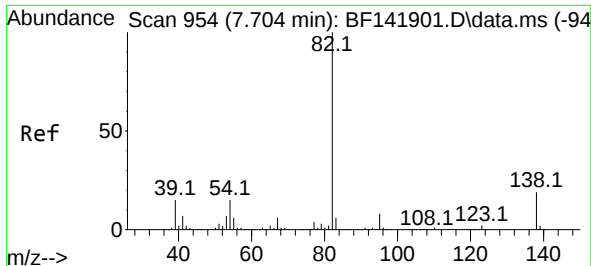


#23
Nitrobenzene-d5
Concen: 91.714 ng
RT: 7.434 min Scan# 908
Delta R.T. -0.012 min
Lab File: BF142141.D
Acq: 27 Mar 2025 23:09

Tgt Ion: 82 Resp: 1144320

Ion	Ratio	Lower	Upper
82	100		
128	46.5	36.0	54.0
54	47.3	39.6	59.4

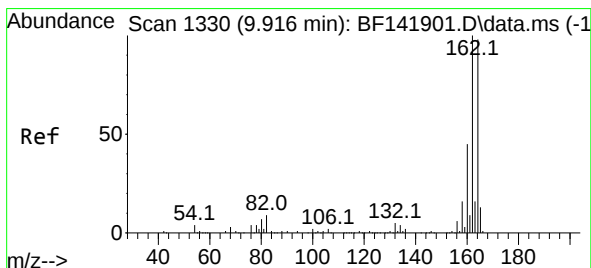
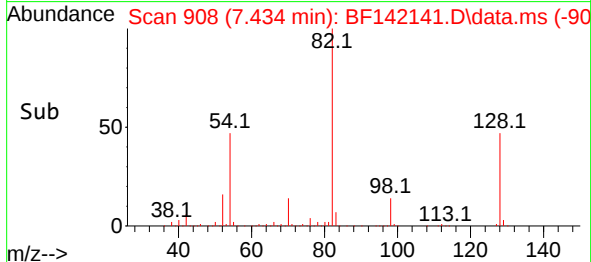
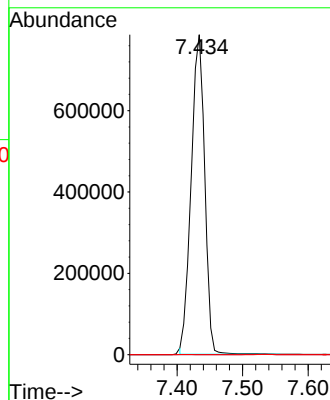
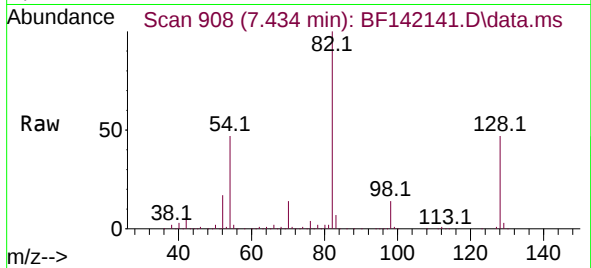




#25
Isophorone
Concen: 51.050 ng
RT: 7.434 min Scan# 90
Delta R.T. -0.270 min
Lab File: BF142141.D
Acq: 27 Mar 2025 23:09

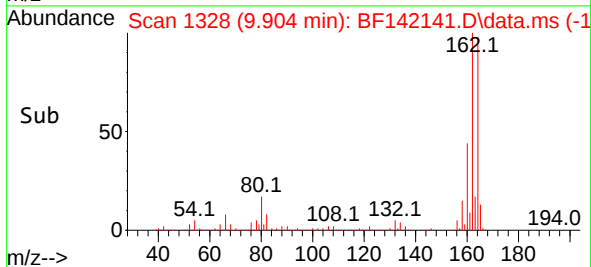
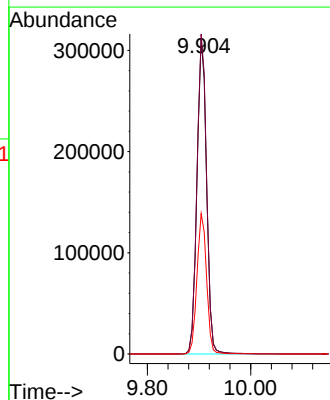
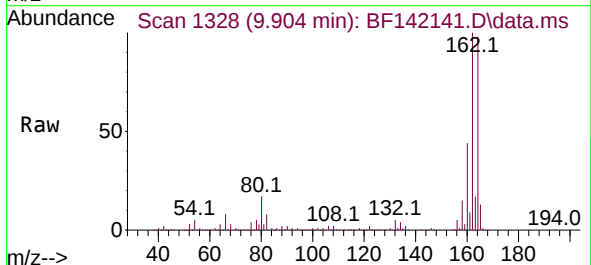
Instrument :
BNA_F
ClientSampleId :
TP-2

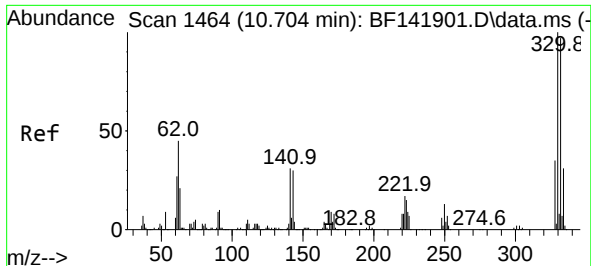
Tgt Ion: 82 Resp: 1125925
Ion Ratio Lower Upper
82 100
95 0.0 6.4 9.6#
138 0.0 14.9 22.3#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.904 min Scan# 1328
Delta R.T. -0.012 min
Lab File: BF142141.D
Acq: 27 Mar 2025 23:09

Tgt Ion:164 Resp: 402212
Ion Ratio Lower Upper
164 100
162 101.6 81.8 122.6
160 44.5 36.7 55.1





#42

2,4,6-Tribromophenol

Concen: 144.784 ng

RT: 10.698 min Scan# 1463

Delta R.T. -0.006 min

Lab File: BF142141.D

Acq: 27 Mar 2025 23:09

Instrument :

BNA_F

ClientSampleId :

TP-2

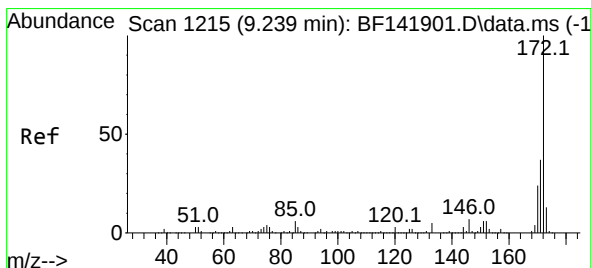
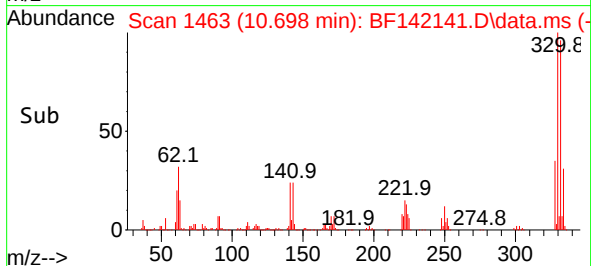
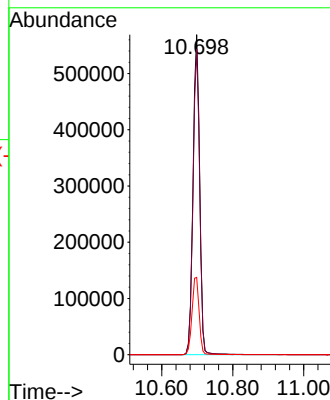
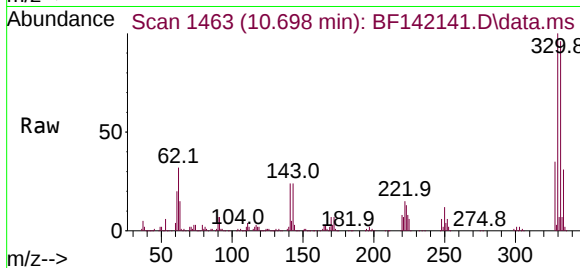
Tgt Ion:330 Resp: 738775

Ion Ratio Lower Upper

330 100

332 95.5 77.6 116.4

141 26.0 24.7 37.1



#45

2-Fluorobiphenyl

Concen: 91.677 ng

RT: 9.228 min Scan# 1213

Delta R.T. -0.012 min

Lab File: BF142141.D

Acq: 27 Mar 2025 23:09

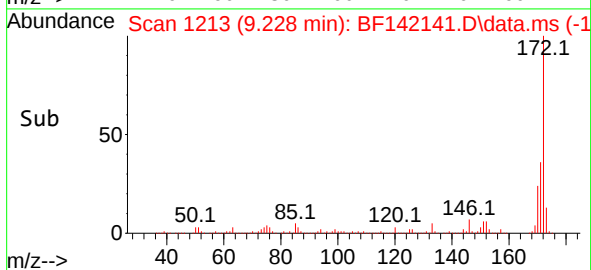
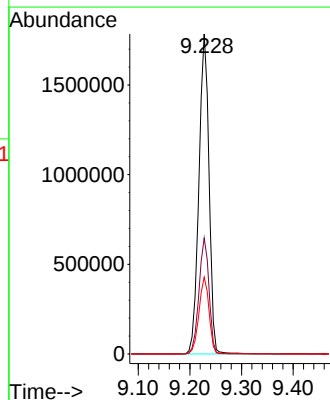
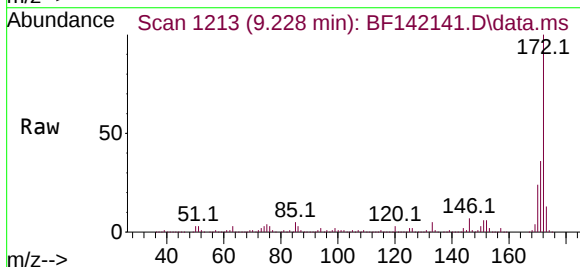
Tgt Ion:172 Resp: 2424597

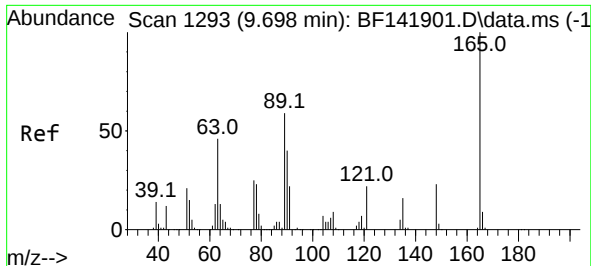
Ion Ratio Lower Upper

172 100

171 36.3 29.3 43.9

170 24.0 19.4 29.0

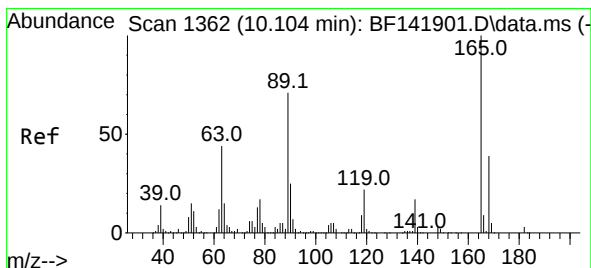
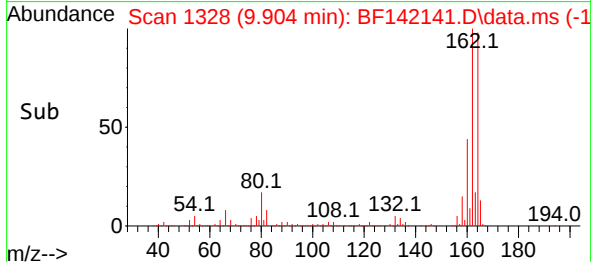
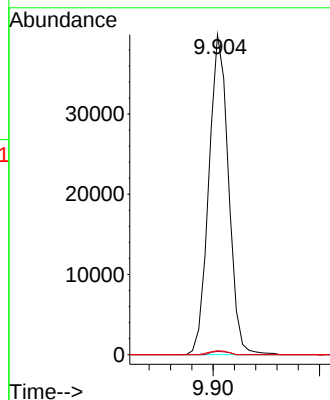
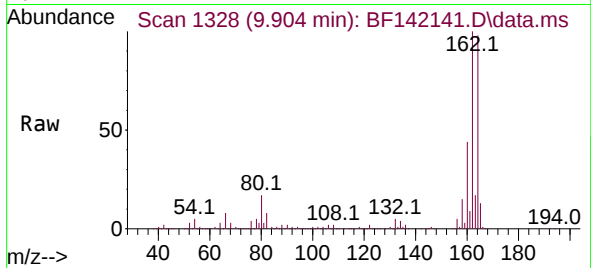




#51
2,6-Dinitrotoluene
Concen: 8.708 ng
RT: 9.904 min Scan# 11
Delta R.T. 0.206 min
Lab File: BF142141.D
Acq: 27 Mar 2025 23:09

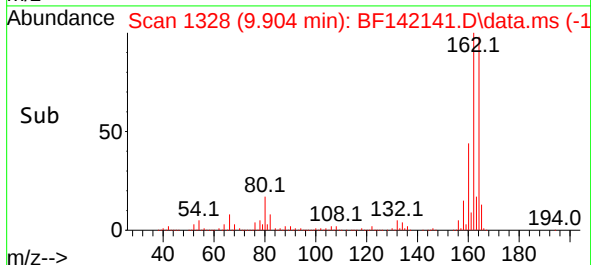
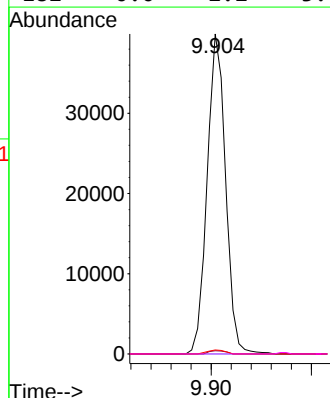
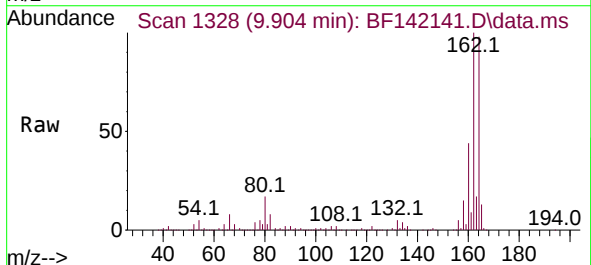
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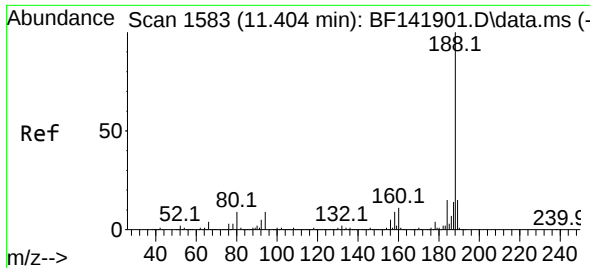
Tgt Ion:165 Resp: 51070
Ion Ratio Lower Upper
165 100
63 1.0 47.0 70.4#
89 1.3 47.4 71.2#



#57
2,4-Dinitrotoluene
Concen: 6.668 ng
RT: 9.904 min Scan# 1328
Delta R.T. -0.200 min
Lab File: BF142141.D
Acq: 27 Mar 2025 23:09

Tgt Ion:165 Resp: 51070
Ion Ratio Lower Upper
165 100
63 1.0 35.4 53.2#
89 1.3 56.6 84.8#
182 0.0 2.2 3.4#

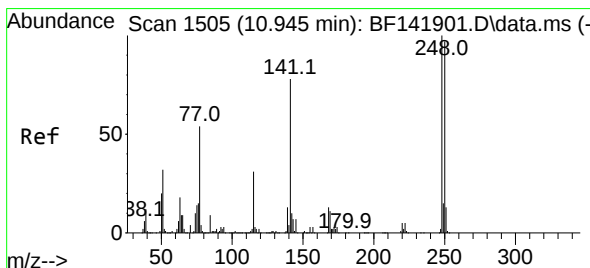
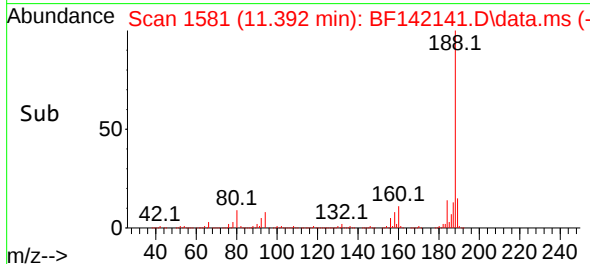
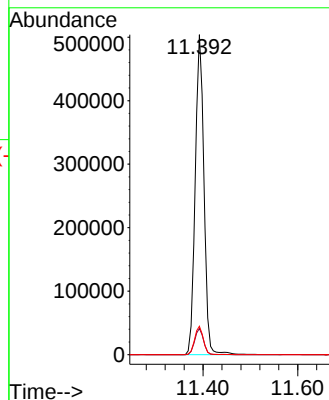
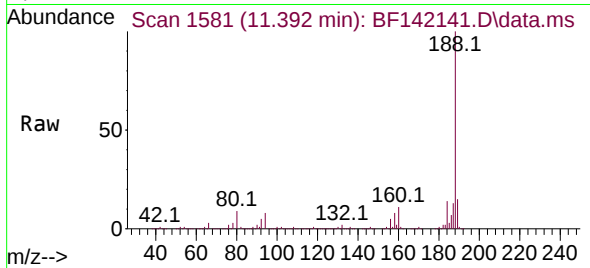




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.392 min Scan# 11
Delta R.T. -0.012 min
Lab File: BF142141.D
Acq: 27 Mar 2025 23:09

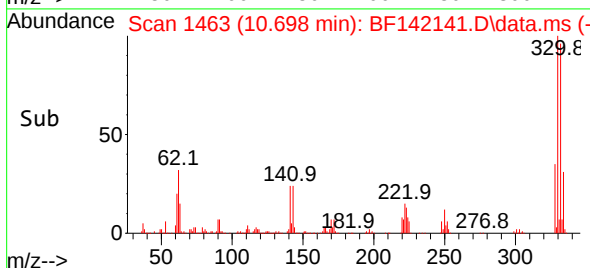
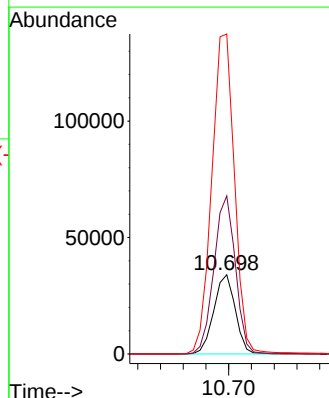
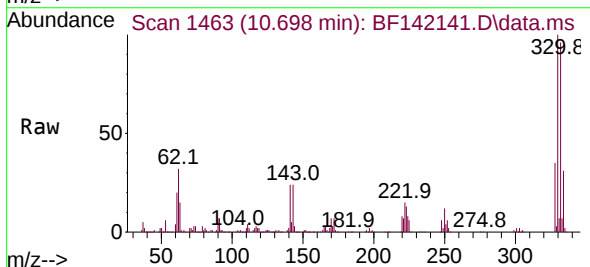
Instrument :
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ClientSampleId :
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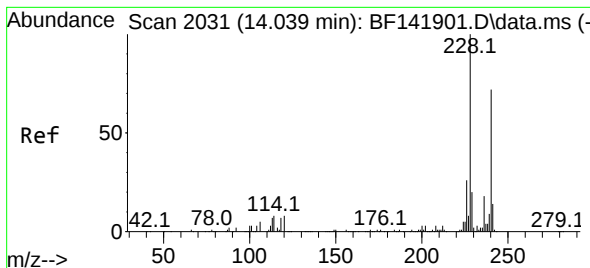
Tgt Ion:188 Resp: 645035
Ion Ratio Lower Upper
188 100
94 8.2 6.8 10.2
80 8.9 7.6 11.4



#67
4-Bromophenyl-phenylether
Concen: 5.518 ng
RT: 10.698 min Scan# 1463
Delta R.T. -0.247 min
Lab File: BF142141.D
Acq: 27 Mar 2025 23:09

Tgt Ion:248 Resp: 44701
Ion Ratio Lower Upper
248 100
250 199.7 77.8 116.8#
141 404.2 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: BF142141.D

Acq: 27 Mar 2025 23:09

Instrument :

BNA_F

ClientSampleId :

TP-2

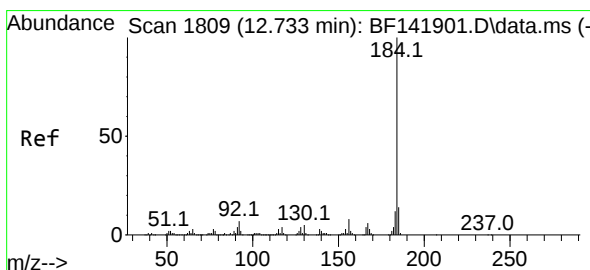
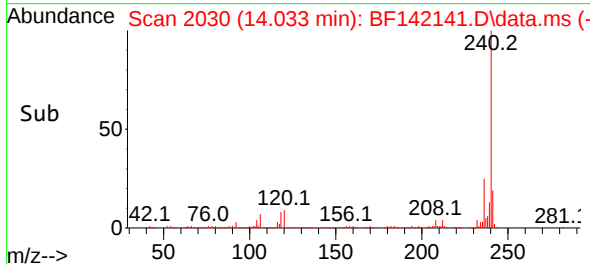
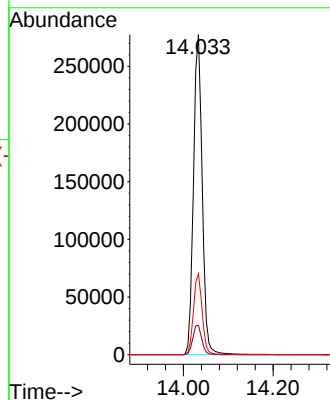
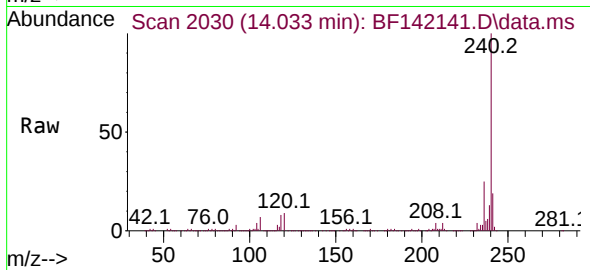
Tgt Ion:240 Resp: 375966

Ion Ratio Lower Upper

240 100

120 9.2 8.4 12.6

236 25.3 20.5 30.7



#77

Benzidine

Concen: 6.472 ng

RT: 12.980 min Scan# 1851

Delta R.T. 0.247 min

Lab File: BF142141.D

Acq: 27 Mar 2025 23:09

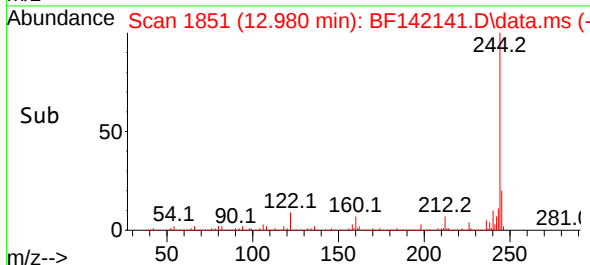
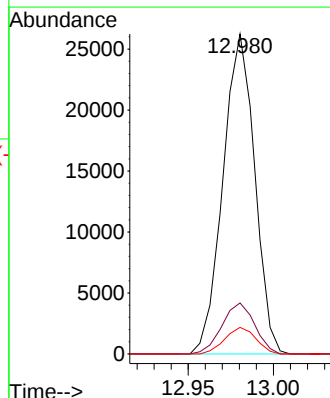
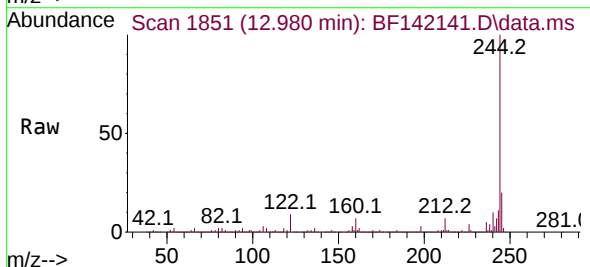
Tgt Ion:184 Resp: 33949

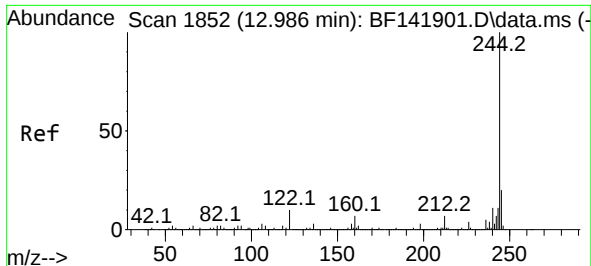
Ion Ratio Lower Upper

184 100

185 15.9 11.5 17.3

183 8.3 9.7 14.5#

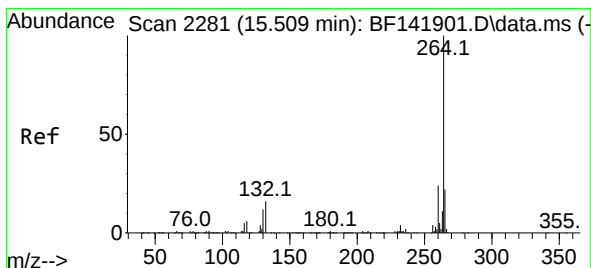
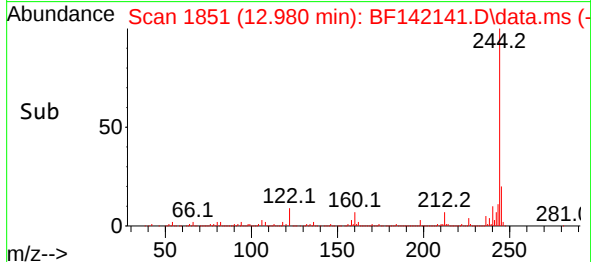
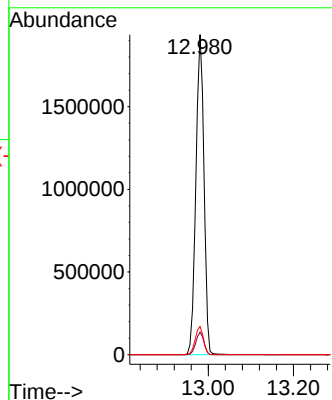
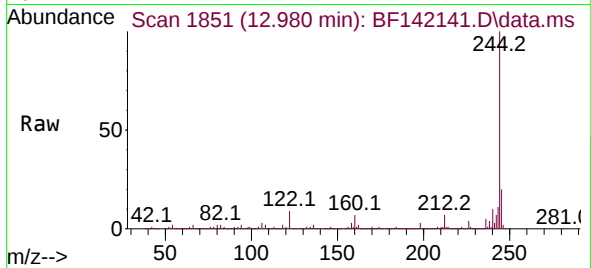




#79
 Terphenyl-d14
 Concen: 100.149 ng
 RT: 12.980 min Scan# 1851
 Delta R.T. -0.006 min
 Lab File: BF142141.D
 Acq: 27 Mar 2025 23:09

Instrument :
 BNA_F
 ClientSampleId :
 TP-2

Tgt Ion:244 Resp: 2546763
 Ion Ratio Lower Upper
 244 100
 212 7.0 6.0 9.0
 122 8.8 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: BF142141.D
 Acq: 27 Mar 2025 23:09

Tgt Ion:264 Resp: 346790
 Ion Ratio Lower Upper
 264 100
 260 23.3 19.1 28.7
 265 21.5 17.5 26.3

