

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF032825\
 Data File : BF142170.D
 Acq On : 28 Mar 2025 20:01
 Operator : RC/JU
 Sample : Q1662-05
 Misc :
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TP-7

Quant Time: Mar 28 22:49:19 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)

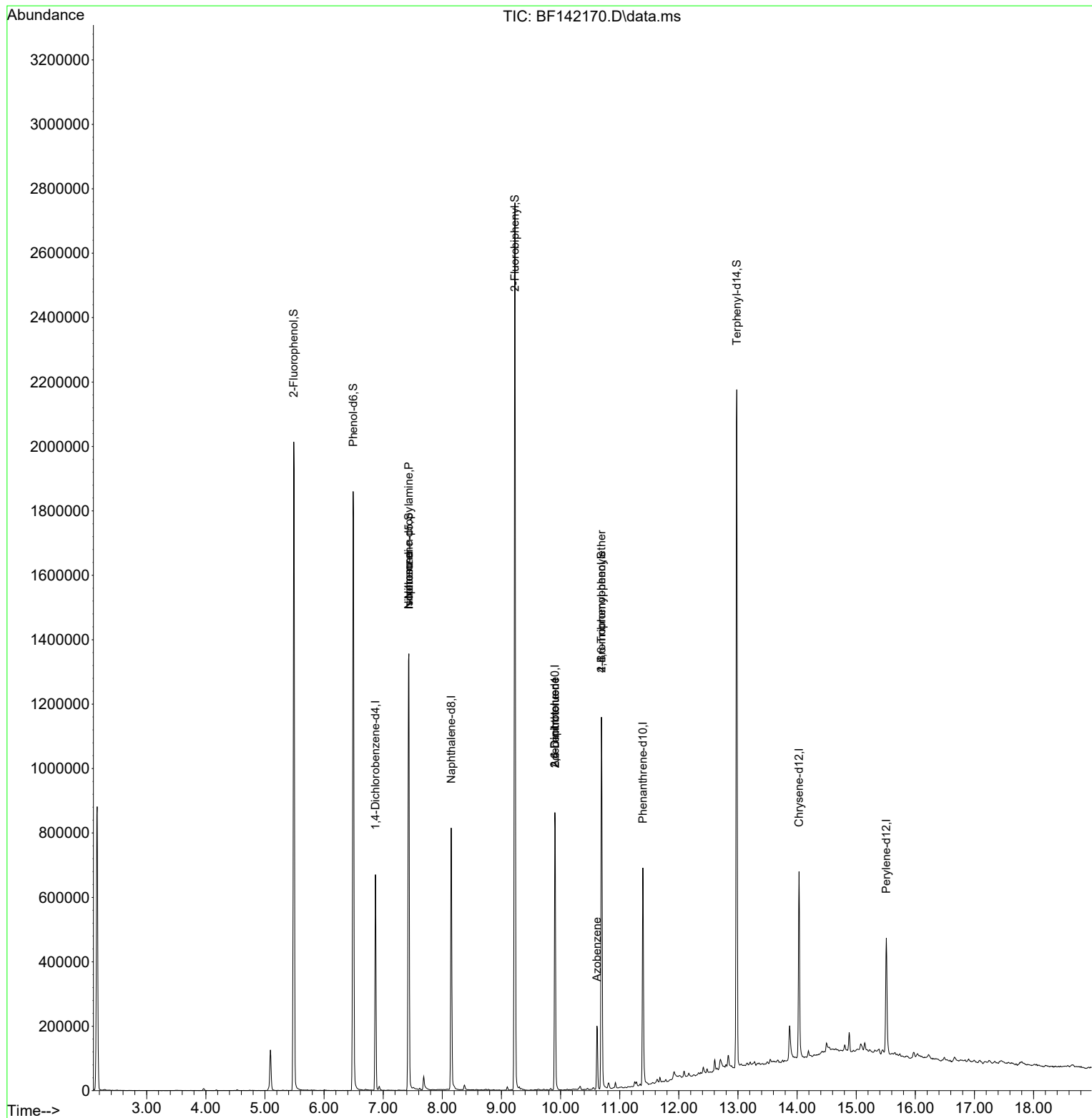
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.869	152	142744	20.000	ng	-0.01
21) Naphthalene-d8	8.151	136	531949	20.000	ng	-0.01
39) Acenaphthene-d10	9.904	164	267519	20.000	ng	-0.01
64) Phenanthrene-d10	11.392	188	350016	20.000	ng	-0.01
76) Chrysene-d12	14.033	240	282359	20.000	ng	0.00
86) Perylene-d12	15.510	264	222839	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.487	112	820171	95.894	ng	0.00
7) Phenol-d6	6.492	99	932497	85.631	ng	-0.01
23) Nitrobenzene-d5	7.434	82	650889	68.859	ng	-0.01
42) 2,4,6-Tribromophenol	10.692	330	222921	65.684	ng	-0.01
45) 2-Fluorobiphenyl	9.228	172	1223661	69.564	ng	-0.01
79) Terphenyl-d14	12.980	244	1058619	55.430	ng	0.00
Target Compounds						
						Qvalue
19) n-Nitroso-di-n-propyla...	7.434	70	87338	12.482	ng	# 76
25) Isophorone	7.434	82	643876	38.535	ng	# 64
51) 2,6-Dinitrotoluene	9.904	165	35557	9.116	ng	# 23
57) 2,4-Dinitrotoluene	9.904	165	35558	6.980	ng	# 24
63) Azobenzene	10.616	77	51473	2.964	ng	# 1
67) 4-Bromophenyl-phenylether	10.692	248	13593	3.092	ng	# 1

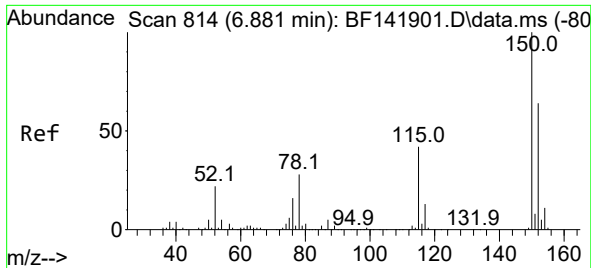
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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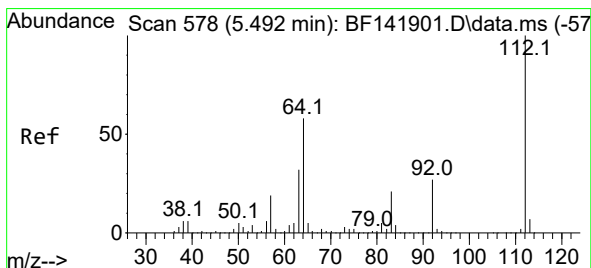
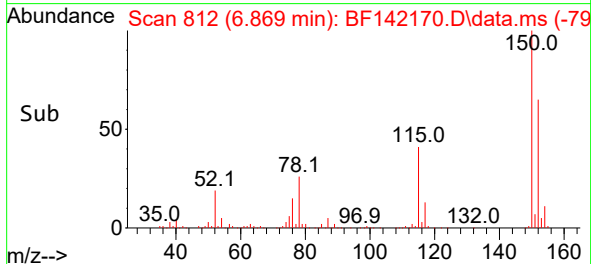
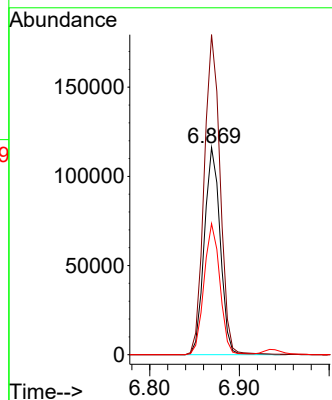
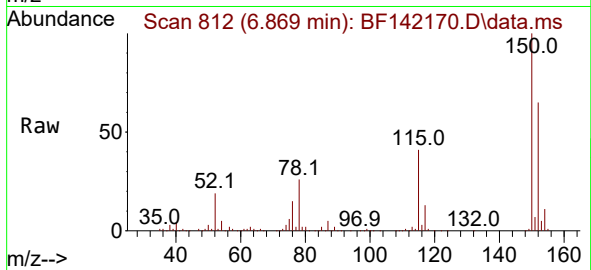




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.869 min Scan# 814
Delta R.T. -0.012 min
Lab File: BF142170.D
Acq: 28 Mar 2025 20:01

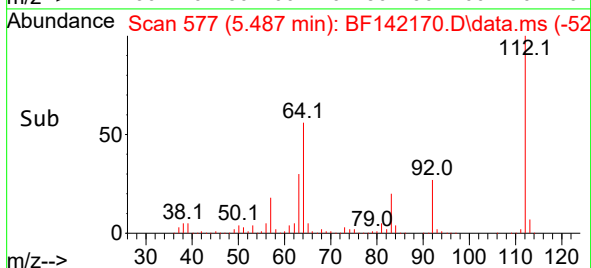
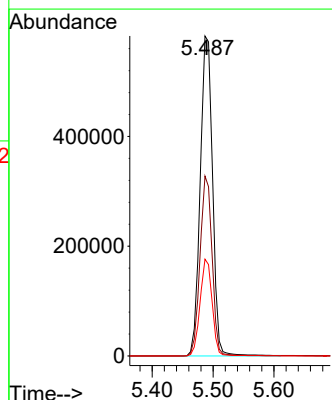
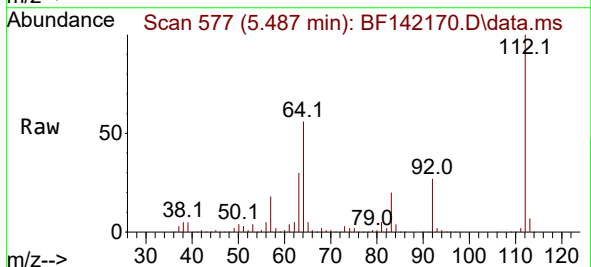
Instrument :
BNA_F
ClientSampleId :
TP-7

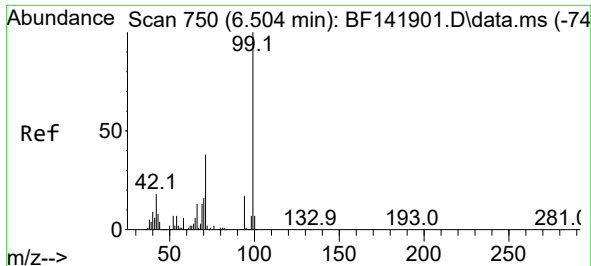
Tgt Ion:152 Resp: 142744
Ion Ratio Lower Upper
152 100
150 154.4 127.4 191.2
115 63.2 51.9 77.9



#5
2-Fluorophenol
Concen: 95.894 ng
RT: 5.487 min Scan# 577
Delta R.T. -0.006 min
Lab File: BF142170.D
Acq: 28 Mar 2025 20:01

Tgt Ion:112 Resp: 820171
Ion Ratio Lower Upper
112 100
64 56.2 46.5 69.7
63 30.2 25.4 38.2

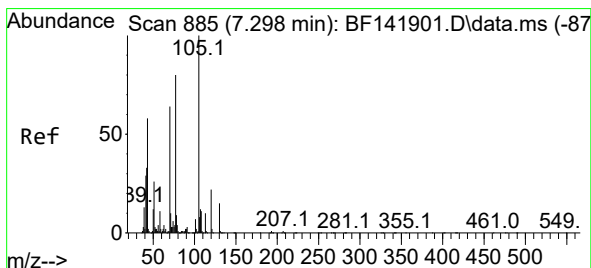
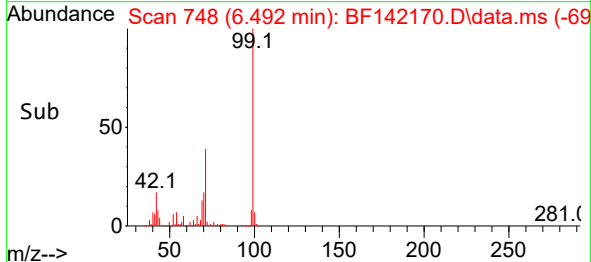
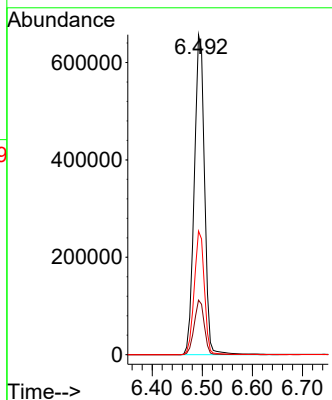
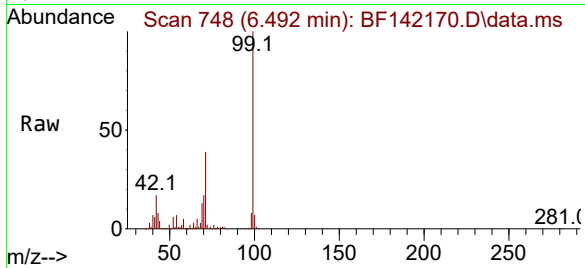




#7
Phenol-d6
Concen: 85.631 ng
RT: 6.492 min Scan# 74
Delta R.T. -0.012 min
Lab File: BF142170.D
Acq: 28 Mar 2025 20:01

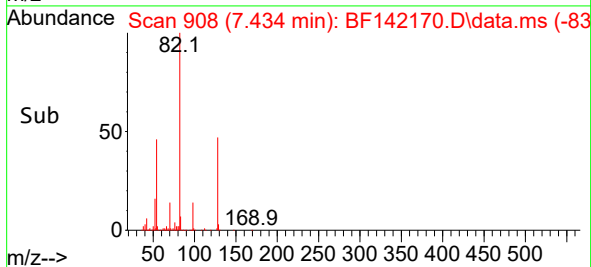
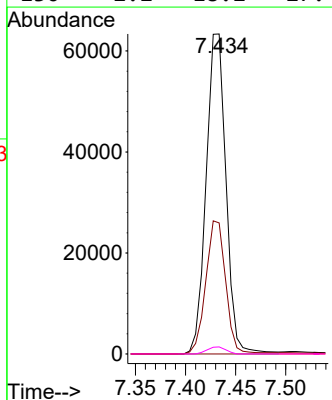
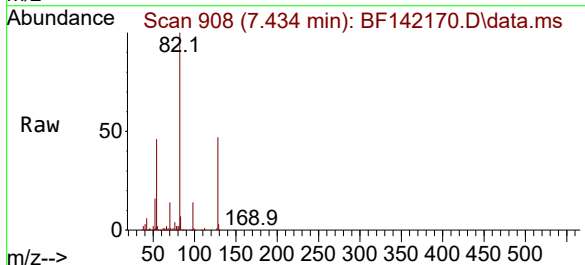
Instrument :
BNA_F
ClientSampleId :
TP-7

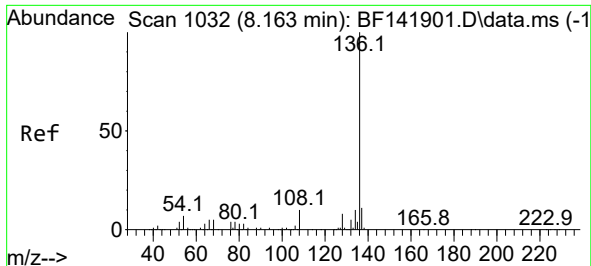
Tgt Ion: 99 Resp: 932497
Ion Ratio Lower Upper
99 100
42 17.1 14.6 21.8
71 38.7 30.8 46.2



#19
n-Nitroso-di-n-propylamine
Concen: 12.482 ng
RT: 7.434 min Scan# 908
Delta R.T. 0.135 min
Lab File: BF142170.D
Acq: 28 Mar 2025 20:01

Tgt Ion: 70 Resp: 87338
Ion Ratio Lower Upper
70 100
42 40.9 41.4 62.0#
101 0.0 8.2 12.2#
130 2.2 18.2 27.4#

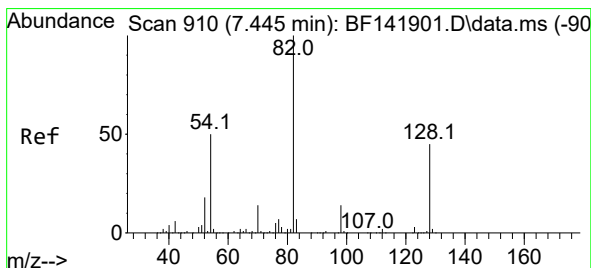
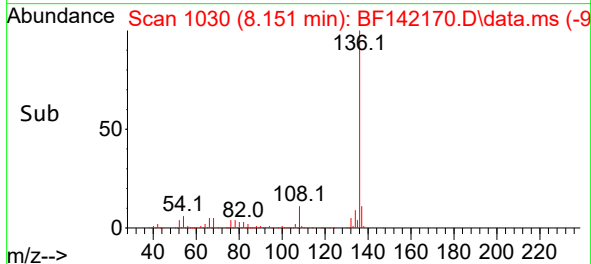
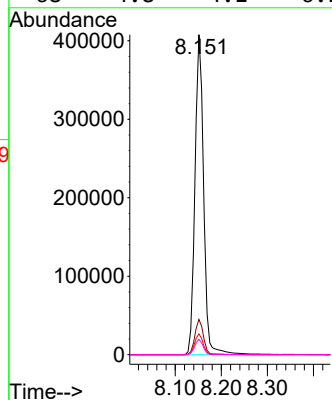
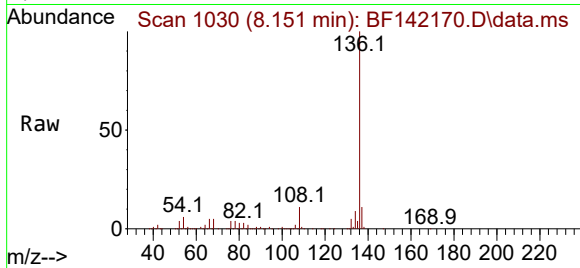




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.151 min Scan# 1030
Delta R.T. -0.012 min
Lab File: BF142170.D
Acq: 28 Mar 2025 20:01

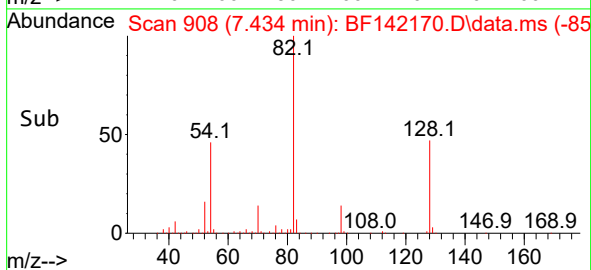
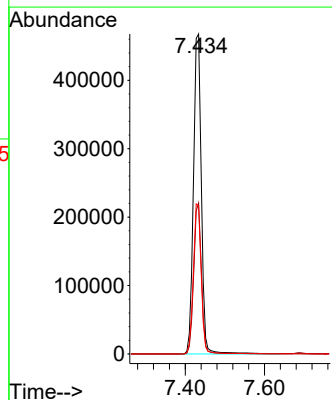
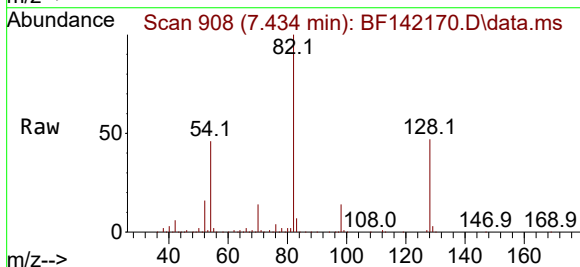
Instrument :
BNA_F
ClientSampleId :
TP-7

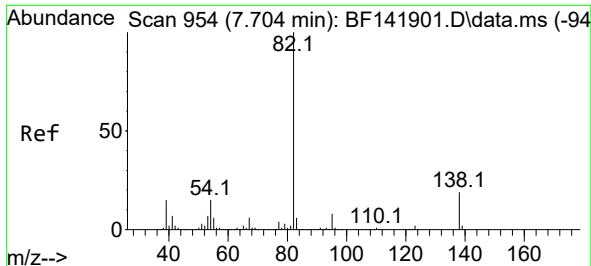
Tgt Ion:136 Resp: 531949
Ion Ratio Lower Upper
136 100
137 11.0 8.8 13.2
54 6.5 5.8 8.8
68 4.8 4.1 6.1



#23
Nitrobenzene-d5
Concen: 68.859 ng
RT: 7.434 min Scan# 908
Delta R.T. -0.012 min
Lab File: BF142170.D
Acq: 28 Mar 2025 20:01

Tgt Ion: 82 Resp: 650889
Ion Ratio Lower Upper
82 100
128 47.2 36.0 54.0
54 46.4 39.6 59.4

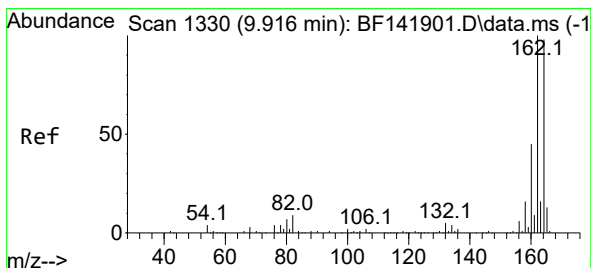
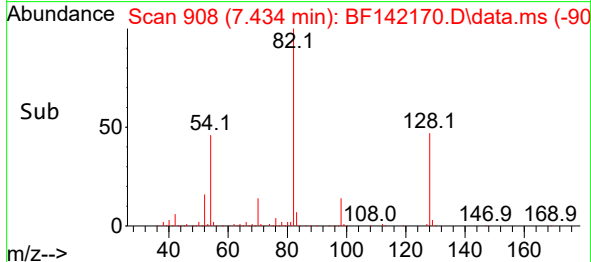
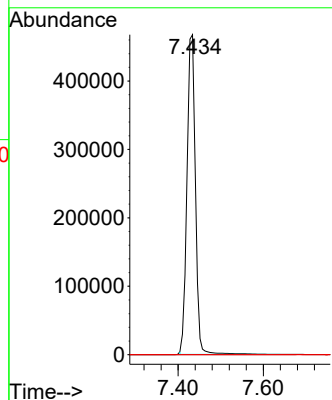
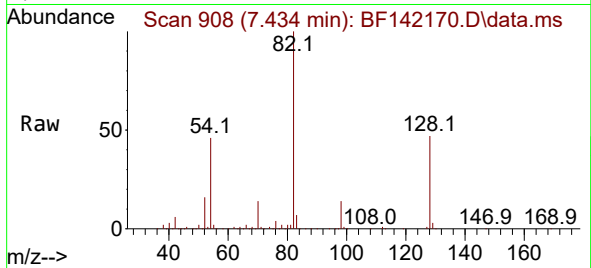




#25
Isophorone
Concen: 38.535 ng
RT: 7.434 min Scan# 90
Delta R.T. -0.271 min
Lab File: BF142170.D
Acq: 28 Mar 2025 20:01

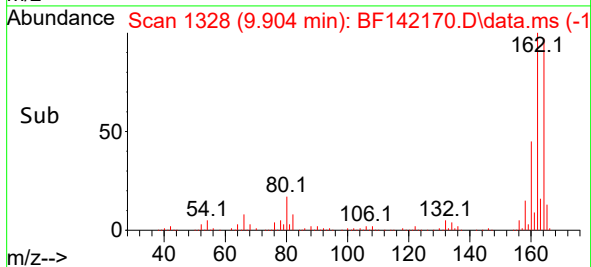
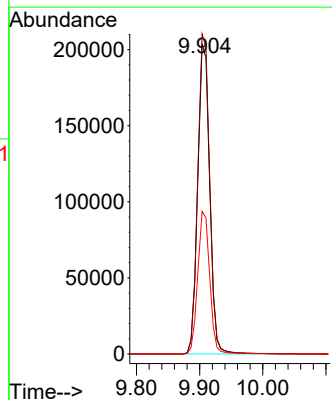
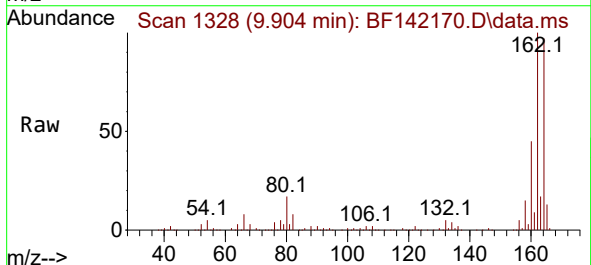
Instrument :
BNA_F
ClientSampleId :
TP-7

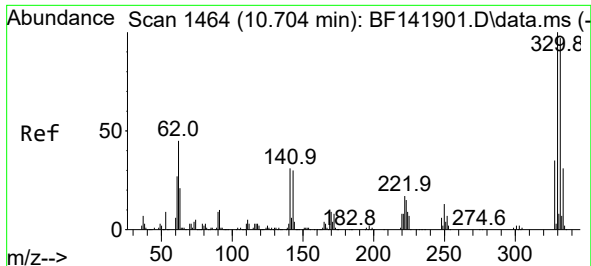
Tgt Ion: 82 Resp: 643876
Ion Ratio Lower Upper
82 100
95 0.0 6.4 9.6#
138 0.0 14.9 22.3#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.904 min Scan# 1328
Delta R.T. -0.012 min
Lab File: BF142170.D
Acq: 28 Mar 2025 20:01

Tgt Ion:164 Resp: 267519
Ion Ratio Lower Upper
164 100
162 103.4 81.8 122.6
160 46.1 36.7 55.1





#42

2,4,6-Tribromophenol

Concen: 65.684 ng

RT: 10.692 min Scan# 1462

Delta R.T. -0.012 min

Lab File: BF142170.D

Acq: 28 Mar 2025 20:01

Instrument :

BNA_F

ClientSampleId :

TP-7

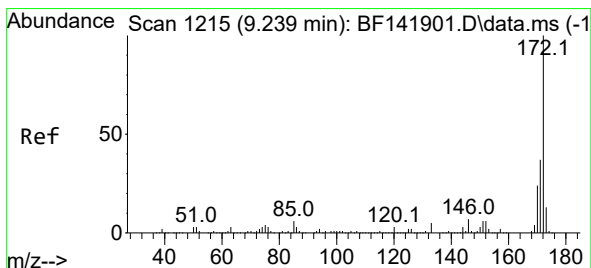
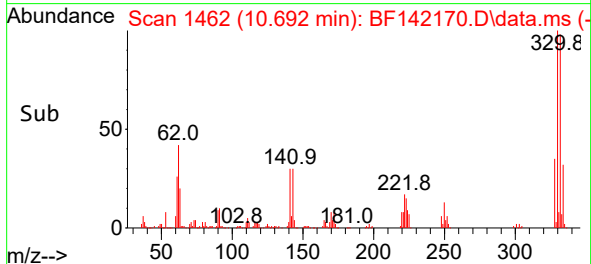
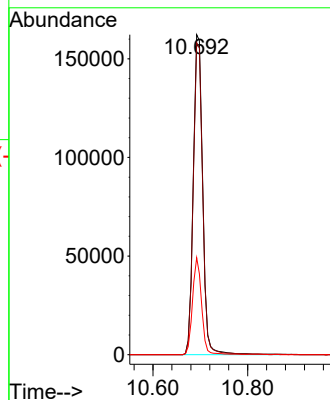
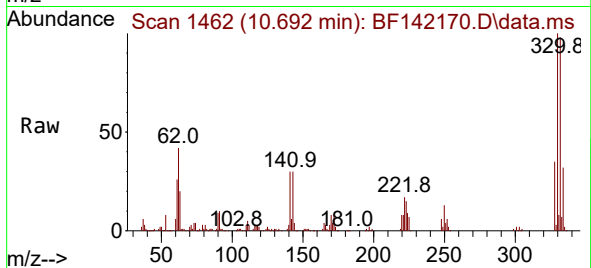
Tgt Ion:330 Resp: 222921

Ion Ratio Lower Upper

330 100

332 97.1 77.6 116.4

141 29.2 24.7 37.1



#45

2-Fluorobiphenyl

Concen: 69.564 ng

RT: 9.228 min Scan# 1213

Delta R.T. -0.012 min

Lab File: BF142170.D

Acq: 28 Mar 2025 20:01

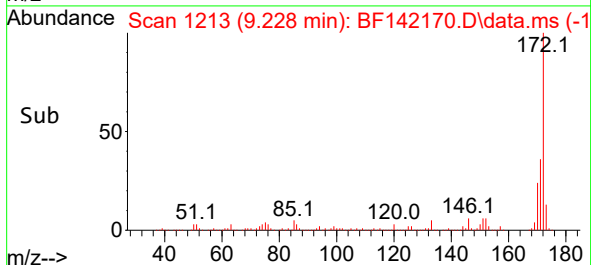
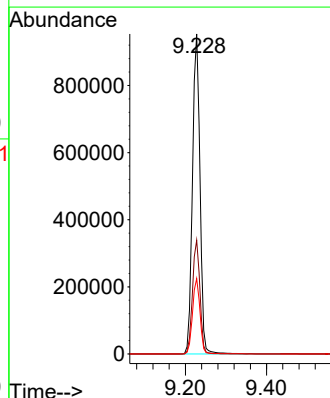
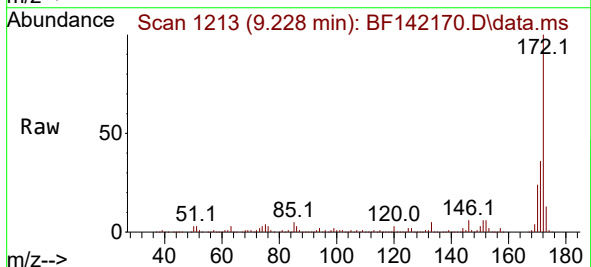
Tgt Ion:172 Resp: 1223661

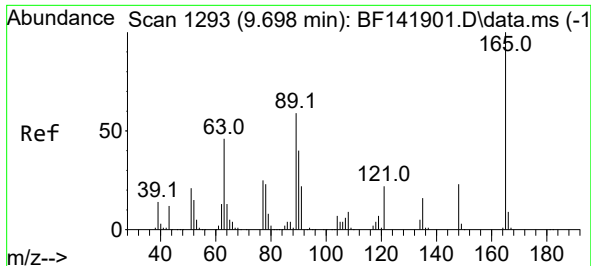
Ion Ratio Lower Upper

172 100

171 35.6 29.3 43.9

170 23.6 19.4 29.0

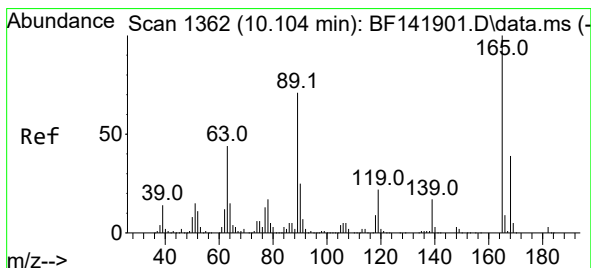
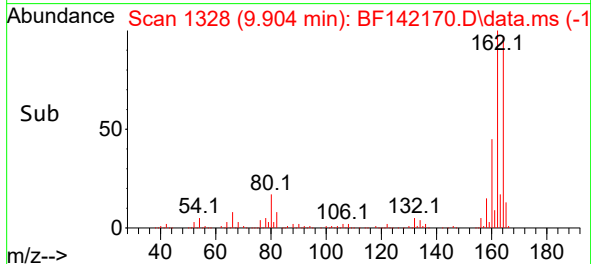
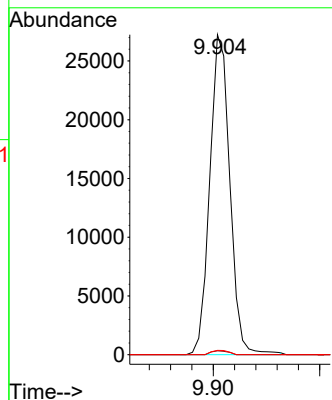
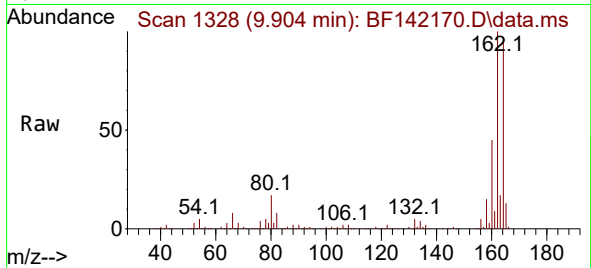




#51
2,6-Dinitrotoluene
Concen: 9.116 ng
RT: 9.904 min Scan# 11
Delta R.T. 0.206 min
Lab File: BF142170.D
Acq: 28 Mar 2025 20:01

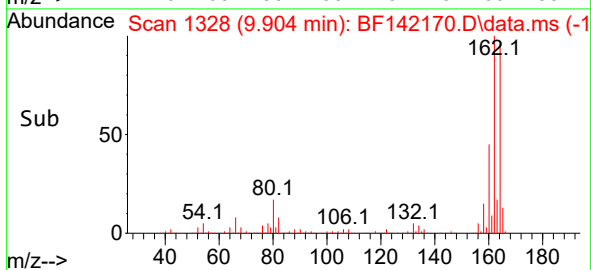
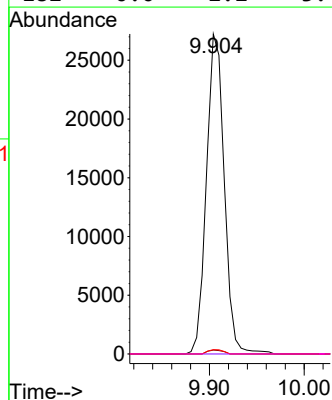
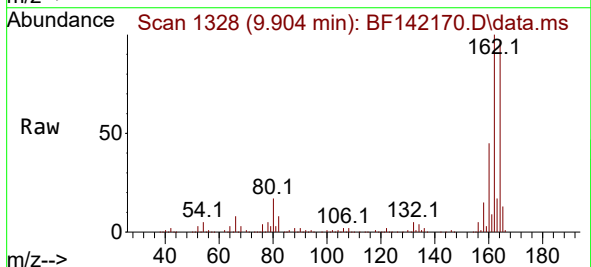
Instrument :
BNA_F
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TP-7

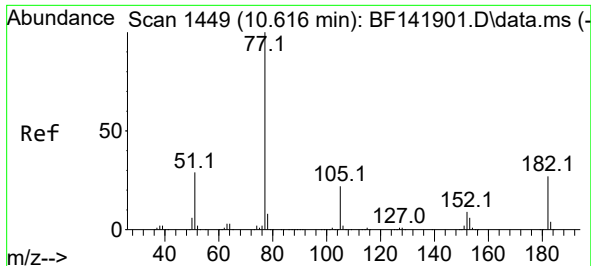
Tgt Ion:165 Resp: 35557
Ion Ratio Lower Upper
165 100
63 1.2 47.0 70.4#
89 1.4 47.4 71.2#



#57
2,4-Dinitrotoluene
Concen: 6.980 ng
RT: 9.904 min Scan# 1328
Delta R.T. -0.200 min
Lab File: BF142170.D
Acq: 28 Mar 2025 20:01

Tgt Ion:165 Resp: 35558
Ion Ratio Lower Upper
165 100
63 1.2 35.4 53.2#
89 1.4 56.6 84.8#
182 0.0 2.2 3.4#

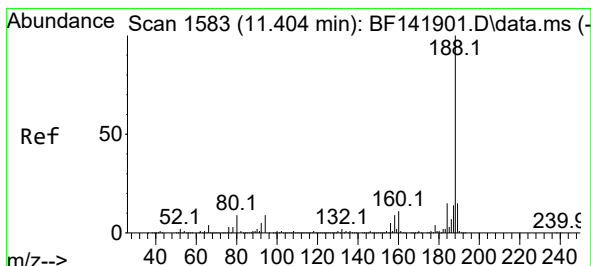
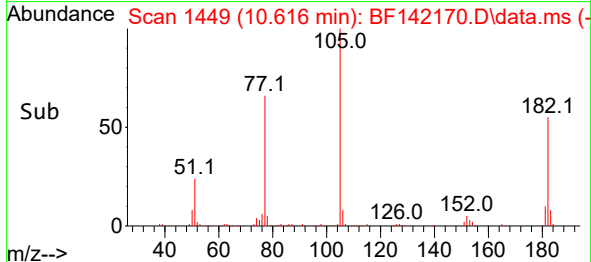
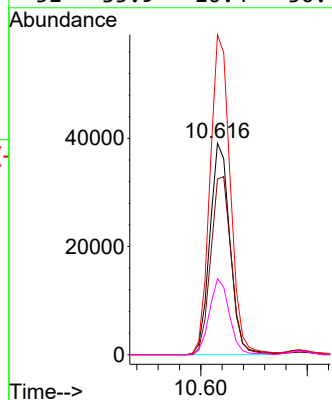
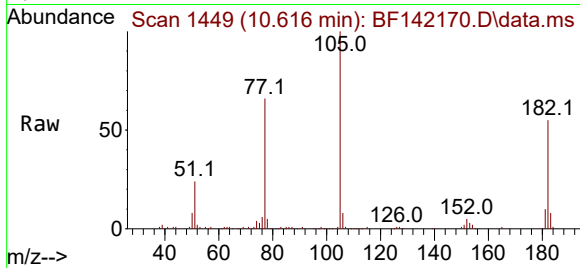




#63
 Azobenzene
 Concen: 2.964 ng
 RT: 10.616 min Scan# 1449
 Delta R.T. 0.000 min
 Lab File: BF142170.D
 Acq: 28 Mar 2025 20:01

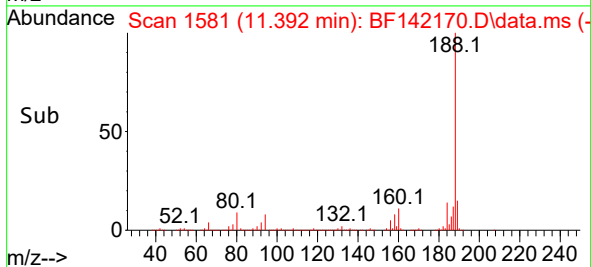
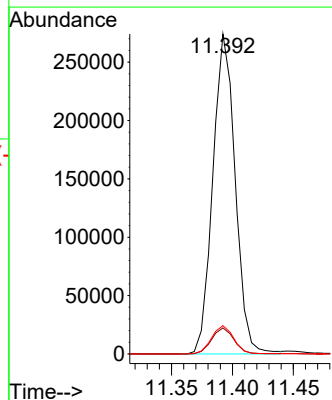
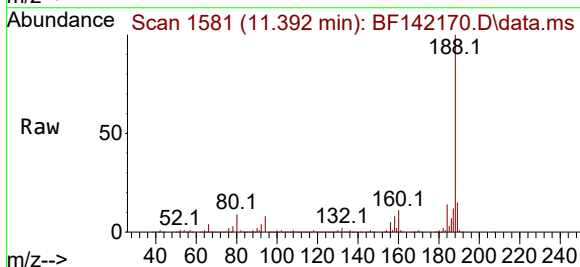
Instrument :
 BNA_F
 ClientSampleId :
 TP-7

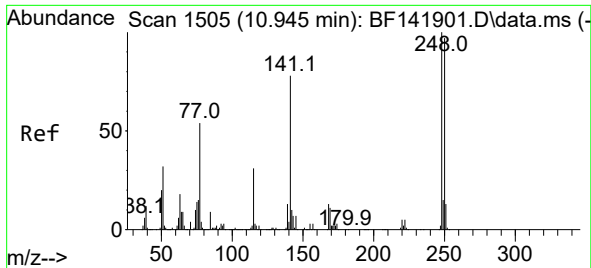
Tgt Ion: 77	Resp: 51473
Ion Ratio	Lower Upper
77 100	
182 83.0	6.6 46.6#
105 151.3	1.3 41.3#
51 35.9	10.4 50.4



#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.392 min Scan# 1581
 Delta R.T. -0.012 min
 Lab File: BF142170.D
 Acq: 28 Mar 2025 20:01

Tgt Ion: 188	Resp: 350016
Ion Ratio	Lower Upper
188 100	
94 8.2	6.8 10.2
80 8.9	7.6 11.4

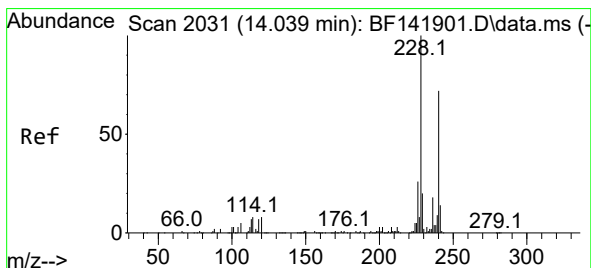
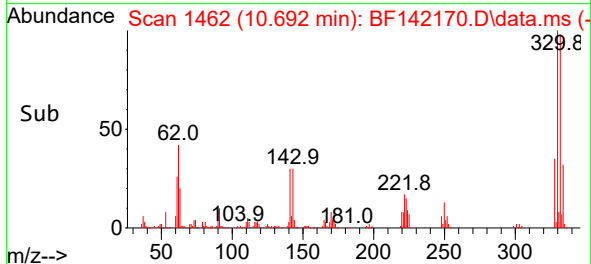
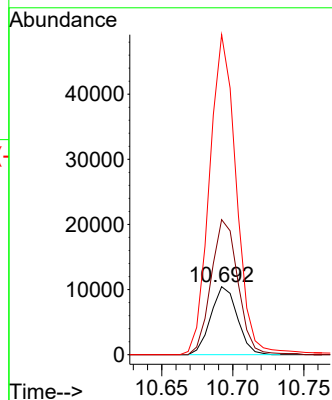
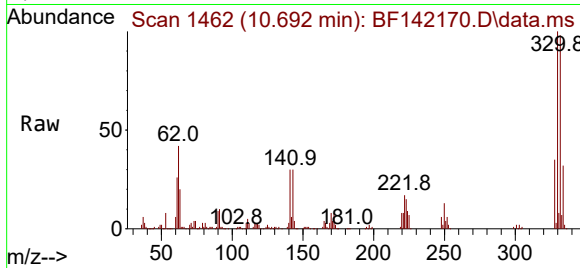




#67
4-Bromophenyl-phenylether
Concen: 3.092 ng
RT: 10.692 min Scan# 14
Delta R.T. -0.253 min
Lab File: BF142170.D
Acq: 28 Mar 2025 20:01

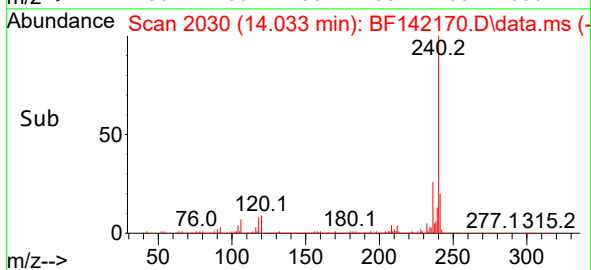
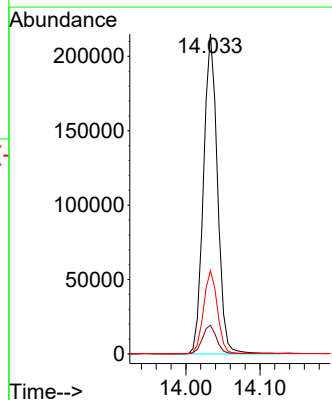
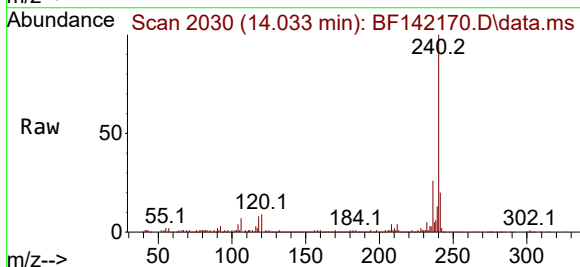
Instrument :
BNA_F
ClientSampleId :
TP-7

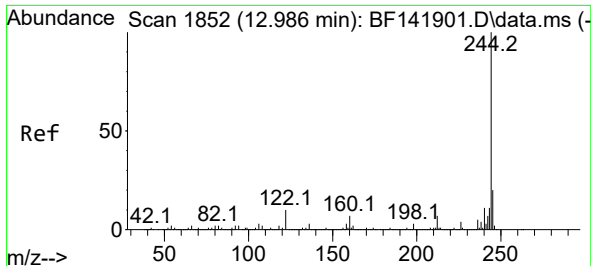
Tgt Ion:248 Resp: 13593
Ion Ratio Lower Upper
248 100
250 198.7 77.8 116.8#
141 470.5 62.6 93.8#



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.033 min Scan# 2030
Delta R.T. -0.006 min
Lab File: BF142170.D
Acq: 28 Mar 2025 20:01

Tgt Ion:240 Resp: 282359
Ion Ratio Lower Upper
240 100
120 8.9 8.4 12.6
236 26.0 20.5 30.7

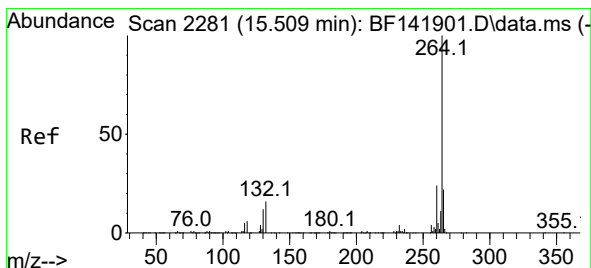
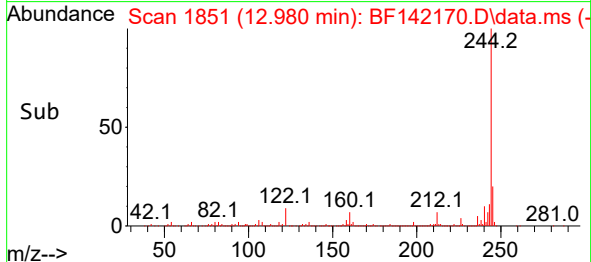
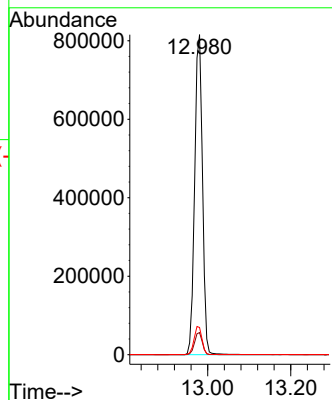
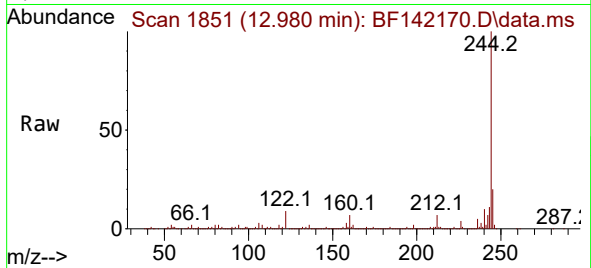




#79
 Terphenyl-d14
 Concen: 55.430 ng
 RT: 12.980 min Scan# 1852
 Delta R.T. -0.006 min
 Lab File: BF142170.D
 Acq: 28 Mar 2025 20:01

Instrument :
 BNA_F
 ClientSampleId :
 TP-7

Tgt Ion:244 Resp: 1058619
 Ion Ratio Lower Upper
 244 100
 212 6.9 6.0 9.0
 122 8.5 7.7 11.5



#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.510 min Scan# 2281
 Delta R.T. 0.000 min
 Lab File: BF142170.D
 Acq: 28 Mar 2025 20:01

Tgt Ion:264 Resp: 222839
 Ion Ratio Lower Upper
 264 100
 260 23.8 19.1 28.7
 265 21.3 17.5 26.3

