

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF031325\
 Data File : BF141948.D
 Acq On : 13 Mar 2025 18:42
 Operator : RC/JU
 Sample : Q1547-05
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 OR-620-JB-COMP-01

Quant Time: Mar 14 10:37:56 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)

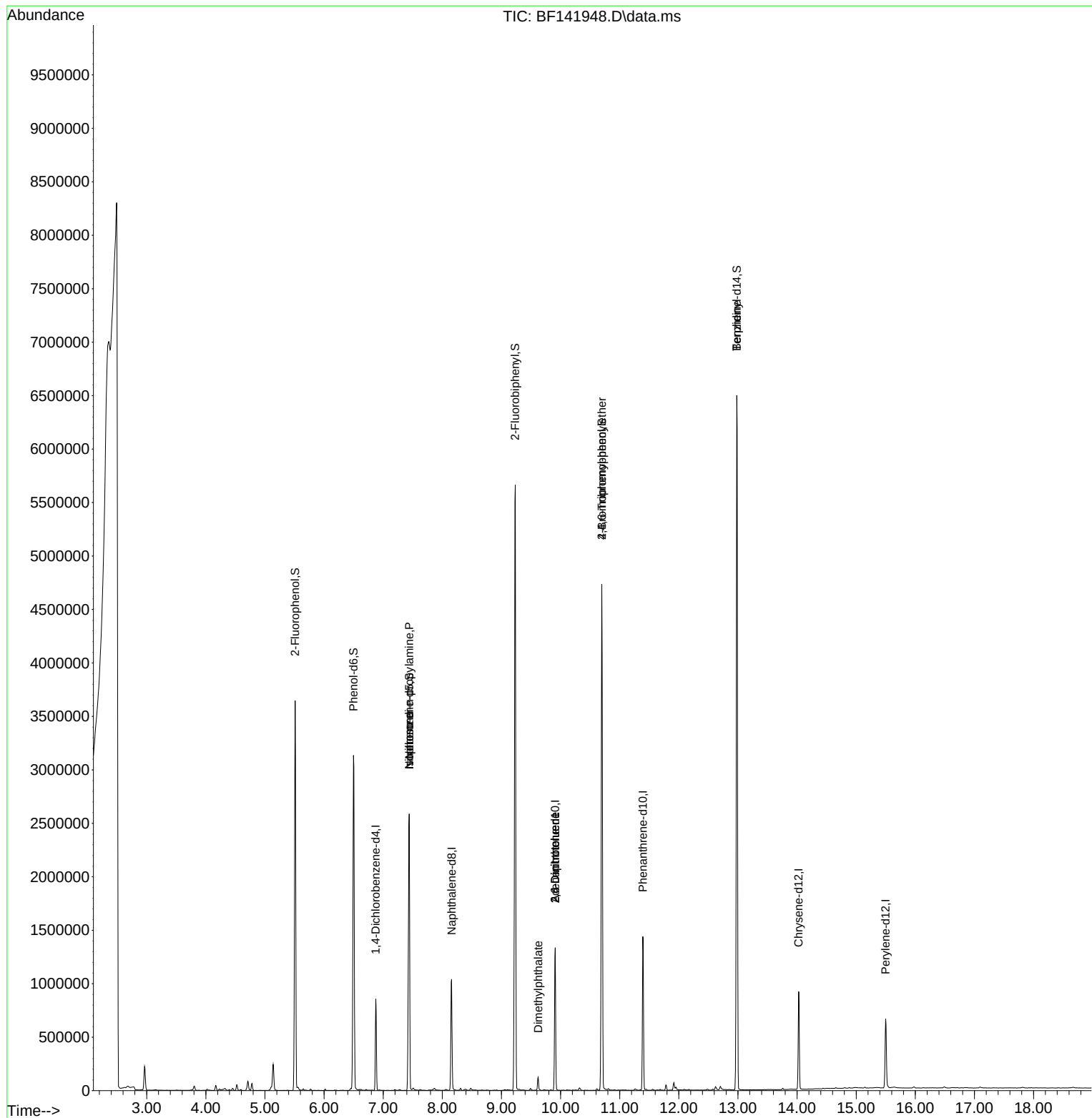
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.875	152	178425	20.000	ng	0.00
21) Naphthalene-d8	8.157	136	696758	20.000	ng	0.00
39) Acenaphthene-d10	9.910	164	409652	20.000	ng	0.00
64) Phenanthrene-d10	11.392	188	735871	20.000	ng	-0.01
76) Chrysene-d12	14.027	240	445342	20.000	ng	-0.01
86) Perylene-d12	15.498	264	385618	20.000	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.510	112	1462426	136.793	ng	0.02
7) Phenol-d6	6.498	99	1679771	123.406	ng	0.00
23) Nitrobenzene-d5	7.439	82	1310907	105.880	ng	0.00
42) 2,4,6-Tribromophenol	10.698	330	970823	186.805	ng	0.00
45) 2-Fluorobiphenyl	9.233	172	2730236	101.359	ng	0.00
79) Terphenyl-d14	12.980	244	3441906	114.265	ng	0.00
Target Compounds						Qvalue
19) n-Nitroso-di-n-propyla...	7.439	70	184358	21.078	ng	# 78
25) Isophorone	7.439	82	1288550	58.877	ng	# 64
50) Dimethylphthalate	9.622	163	72201	2.517	ng	99
51) 2,6-Dinitrotoluene	9.910	165	52753	8.832	ng	# 23
57) 2,4-Dinitrotoluene	9.910	165	52753	6.762	ng	# 24
67) 4-Bromophenyl-phenylether	10.698	248	58839	6.367	ng	# 1
77) Benzidine	12.980	184	47058	7.574	ng	# 92

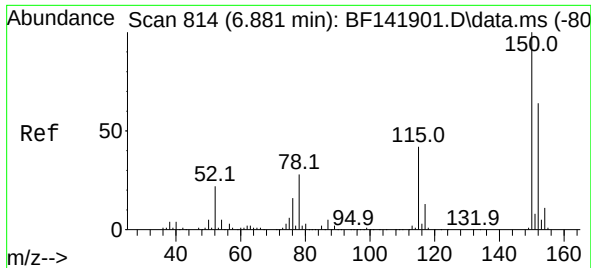
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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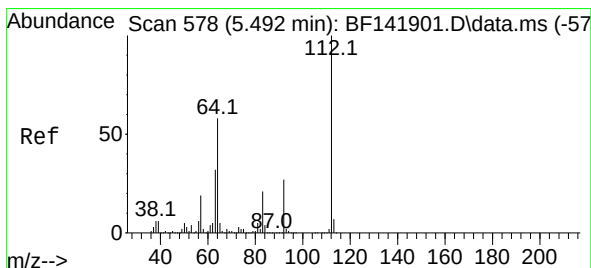
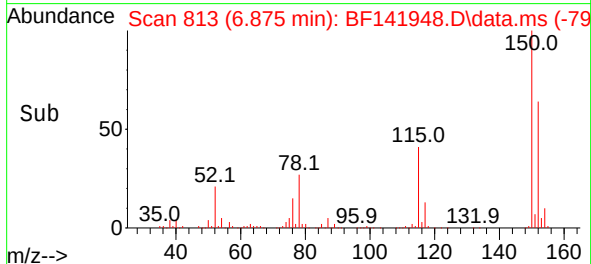
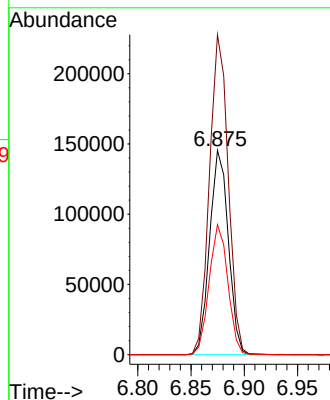
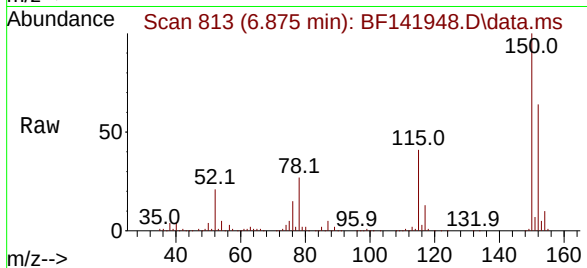




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.875 min Scan# 814
Delta R.T. -0.006 min
Lab File: BF141948.D
Acq: 13 Mar 2025 18:42

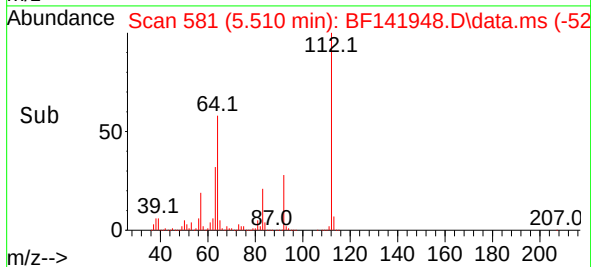
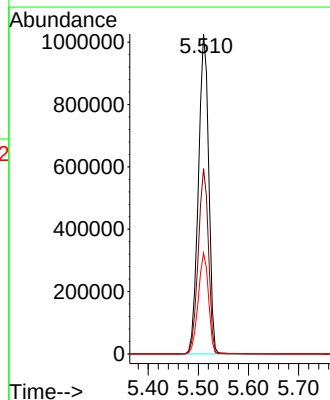
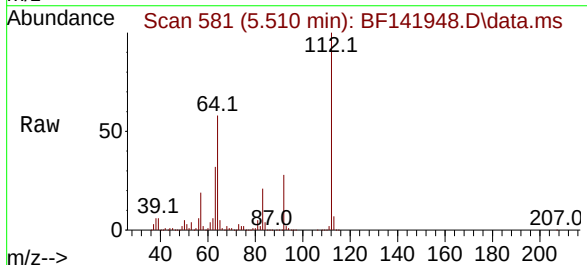
Instrument :
BNA_F
ClientSampleId :
OR-620-JB-COMP-01

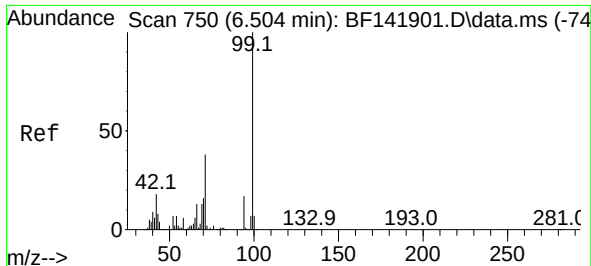
Tgt Ion:152 Resp: 178425
Ion Ratio Lower Upper
152 100
150 156.6 127.4 191.2
115 63.6 51.9 77.9



#5
2-Fluorophenol
Concen: 136.793 ng
RT: 5.510 min Scan# 581
Delta R.T. 0.018 min
Lab File: BF141948.D
Acq: 13 Mar 2025 18:42

Tgt Ion:112 Resp: 1462426
Ion Ratio Lower Upper
112 100
64 57.9 46.5 69.7
63 31.5 25.4 38.2

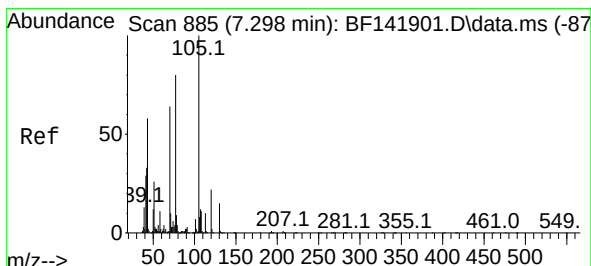
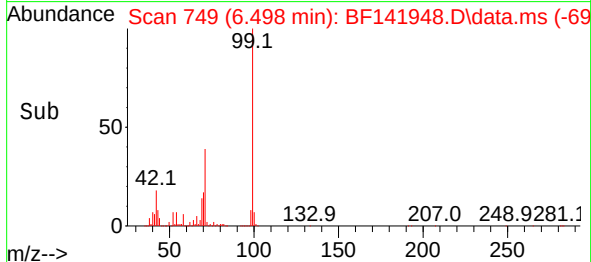
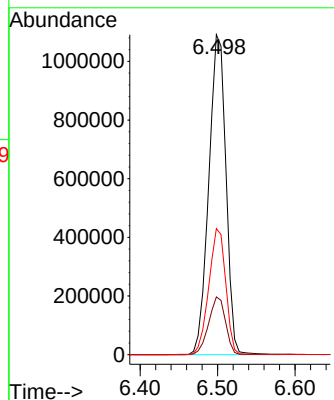
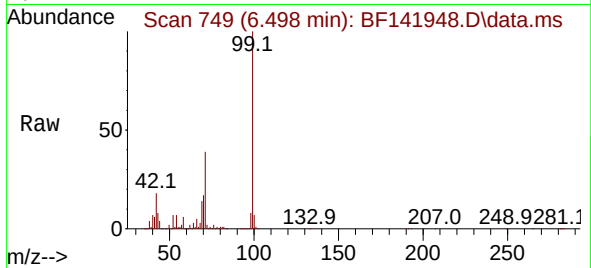




#7
Phenol-d6
Concen: 123.406 ng
RT: 6.498 min Scan# 749
Delta R.T. -0.006 min
Lab File: BF141948.D
Acq: 13 Mar 2025 18:42

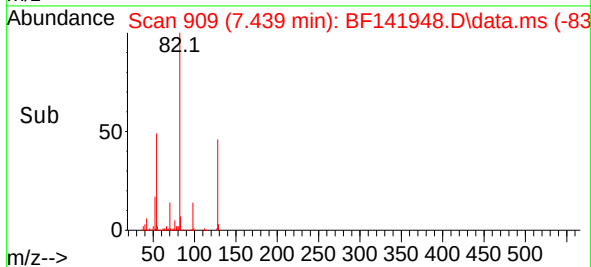
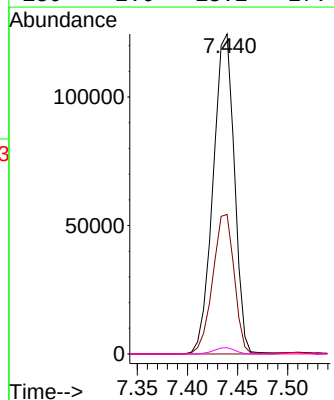
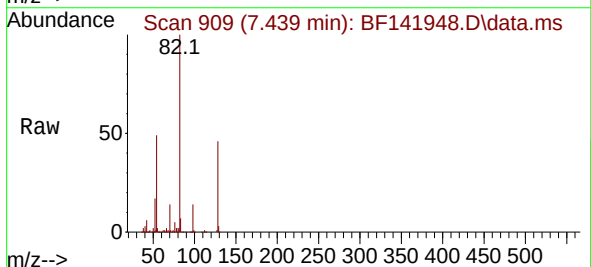
Instrument :
BNA_F
ClientSampleId :
OR-620-JB-COMP-01

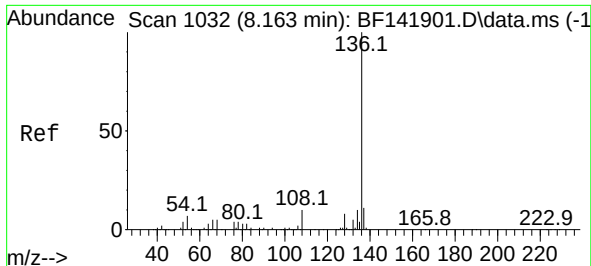
Tgt Ion: 99 Resp: 1679771
Ion Ratio Lower Upper
99 100
42 18.1 14.6 21.8
71 39.4 30.8 46.2



#19
n-Nitroso-di-n-propylamine
Concen: 21.078 ng
RT: 7.439 min Scan# 909
Delta R.T. 0.141 min
Lab File: BF141948.D
Acq: 13 Mar 2025 18:42

Tgt Ion: 70 Resp: 184358
Ion Ratio Lower Upper
70 100
42 43.6 41.4 62.0
101 0.0 8.2 12.2#
130 2.0 18.2 27.4#



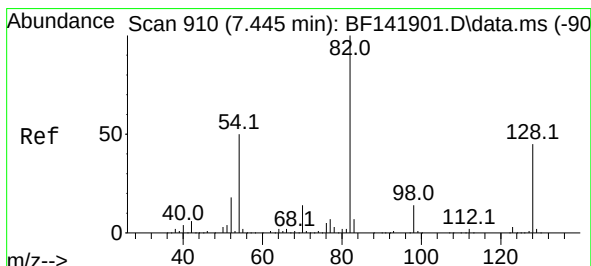
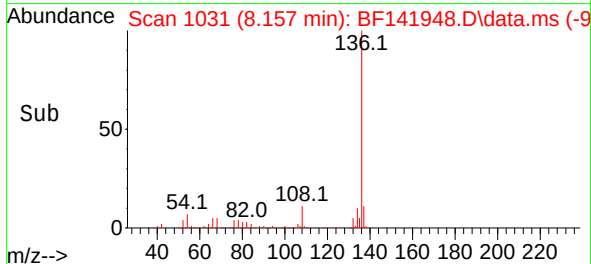
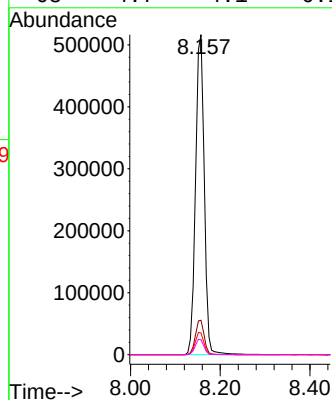
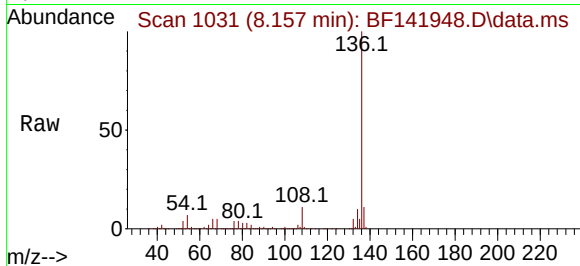


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.157 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141948.D
Acq: 13 Mar 2025 18:42

Instrument :
BNA_F
ClientSampleId :
OR-620-JB-COMP-01

Tgt Ion:136 Resp: 696758

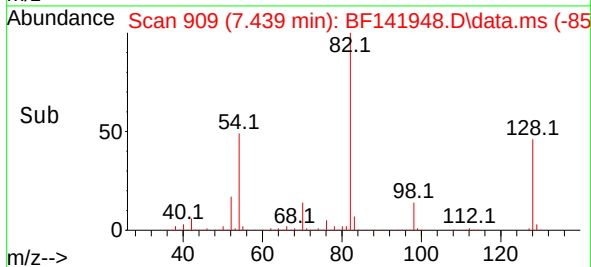
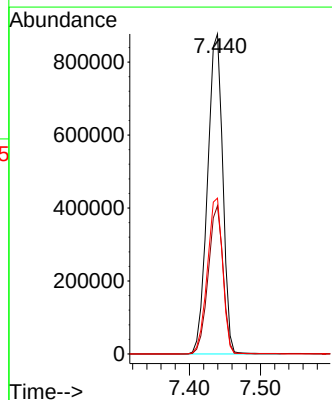
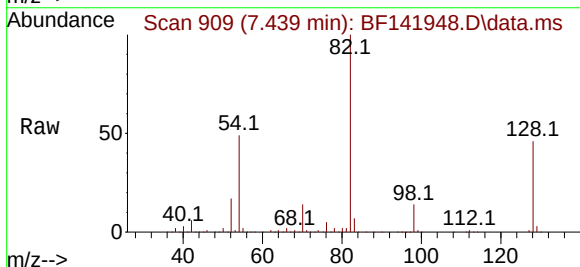
Ion	Ratio	Lower	Upper
136	100		
137	10.8	8.8	13.2
54	6.8	5.8	8.8
68	4.7	4.1	6.1

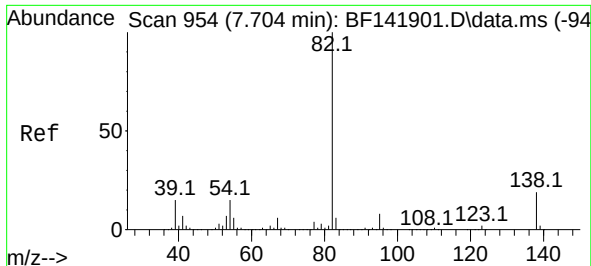


#23
Nitrobenzene-d5
Concen: 105.880 ng
RT: 7.439 min Scan# 909
Delta R.T. -0.006 min
Lab File: BF141948.D
Acq: 13 Mar 2025 18:42

Tgt Ion: 82 Resp: 1310907

Ion	Ratio	Lower	Upper
82	100		
128	46.3	36.0	54.0
54	48.7	39.6	59.4

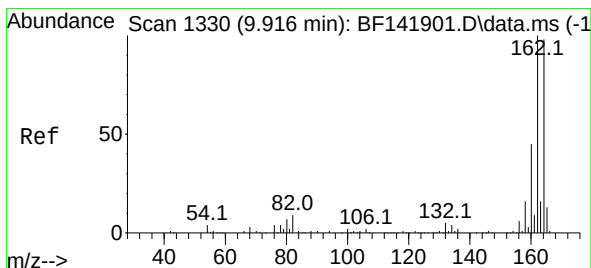
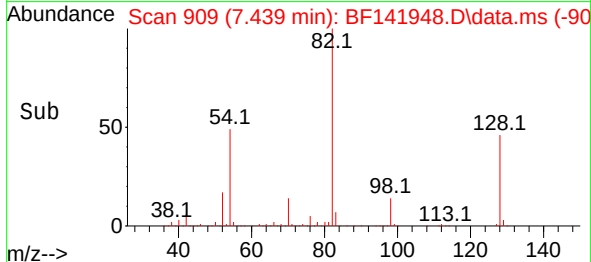
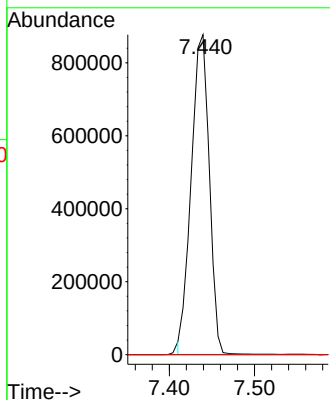
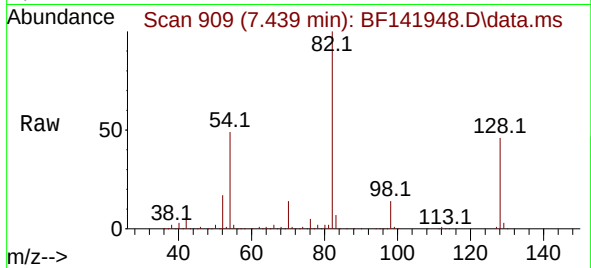




#25
Isophorone
Concen: 58.877 ng
RT: 7.439 min Scan# 90
Delta R.T. -0.265 min
Lab File: BF141948.D
Acq: 13 Mar 2025 18:42

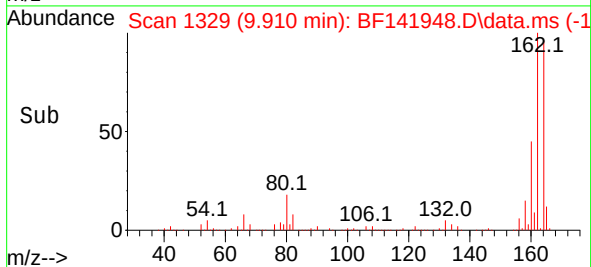
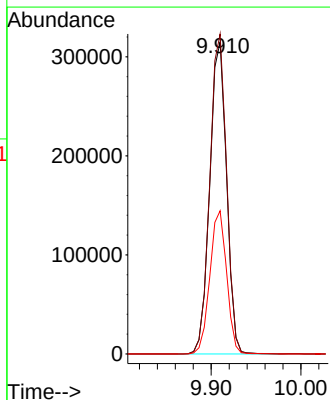
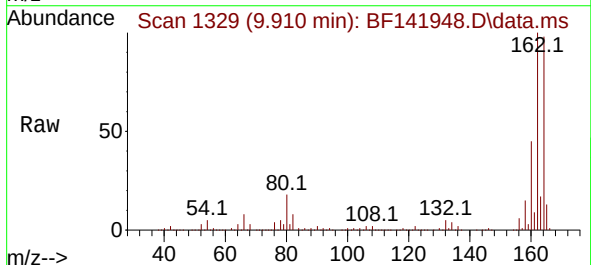
Instrument :
BNA_F
ClientSampleId :
OR-620-JB-COMP-01

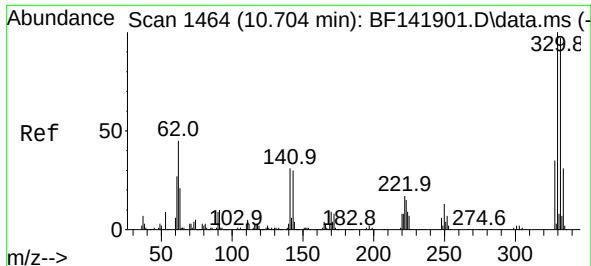
Tgt Ion: 82 Resp: 1288550
Ion Ratio Lower Upper
82 100
95 0.0 6.4 9.6#
138 0.0 14.9 22.3#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.910 min Scan# 1329
Delta R.T. -0.006 min
Lab File: BF141948.D
Acq: 13 Mar 2025 18:42

Tgt Ion:164 Resp: 409652
Ion Ratio Lower Upper
164 100
162 102.5 81.8 122.6
160 45.9 36.7 55.1





#42

2,4,6-Tribromophenol

Concen: 186.805 ng

RT: 10.698 min Scan# 1463

Delta R.T. -0.006 min

Lab File: BF141948.D

Acq: 13 Mar 2025 18:42

Instrument :

BNA_F

ClientSampleId :

OR-620-JB-COMP-01

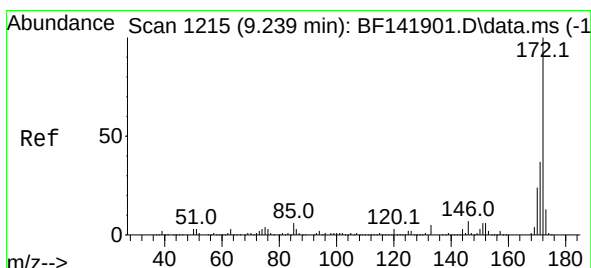
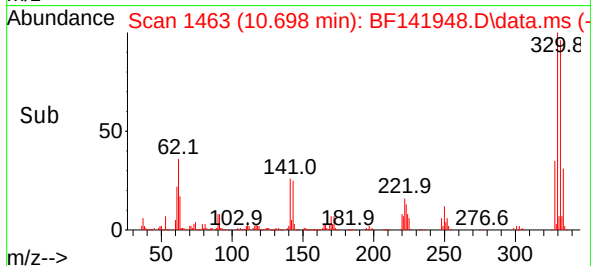
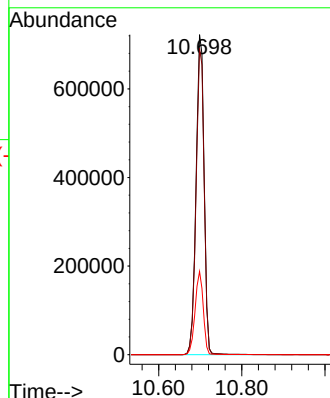
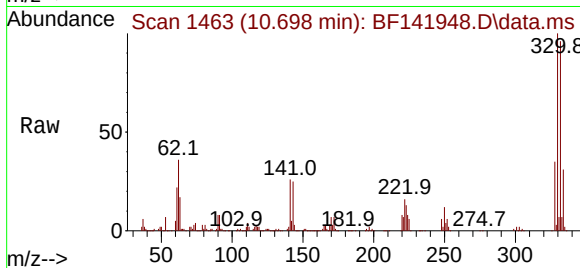
Tgt Ion:330 Resp: 970823

Ion Ratio Lower Upper

330 100

332 95.9 77.6 116.4

141 26.4 24.7 37.1



#45

2-Fluorobiphenyl

Concen: 101.359 ng

RT: 9.233 min Scan# 1214

Delta R.T. -0.006 min

Lab File: BF141948.D

Acq: 13 Mar 2025 18:42

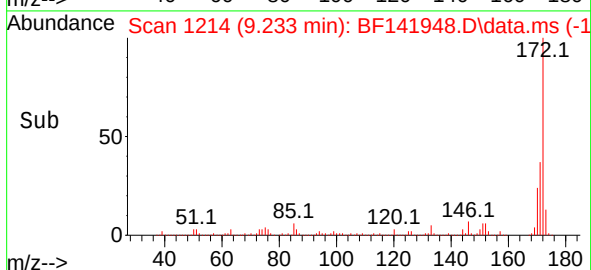
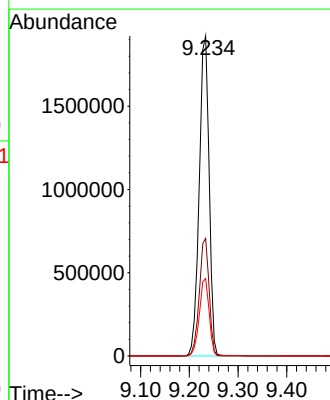
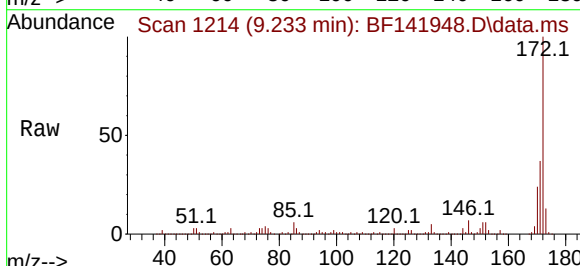
Tgt Ion:172 Resp: 2730236

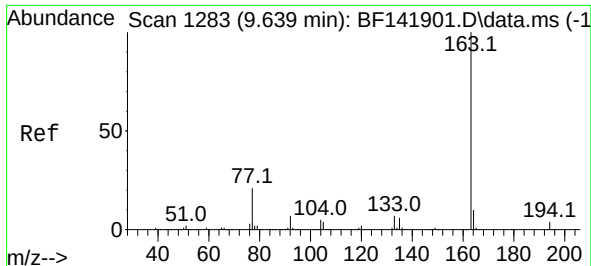
Ion Ratio Lower Upper

172 100

171 36.7 29.3 43.9

170 24.2 19.4 29.0





#50

Dimethylphthalate

Concen: 2.517 ng

RT: 9.622 min Scan# 11

Delta R.T. -0.018 min

Lab File: BF141948.D

Acq: 13 Mar 2025 18:42

Instrument :

BNA_F

ClientSampleId :

OR-620-JB-COMP-01

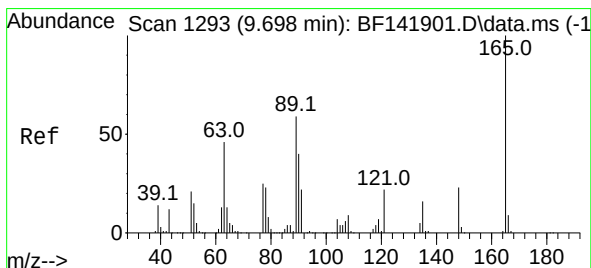
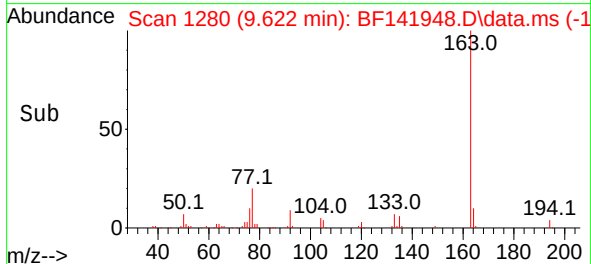
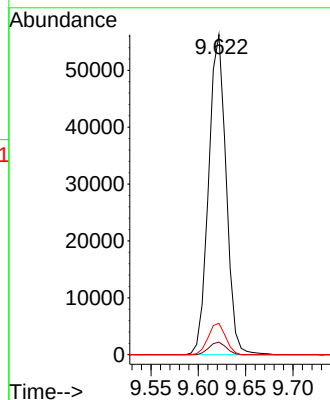
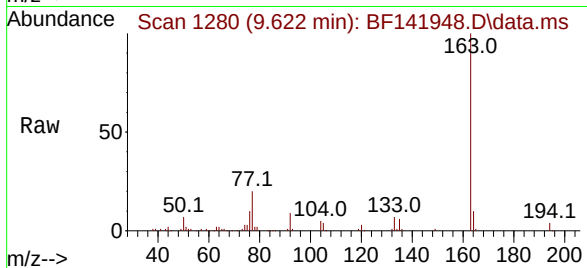
Tgt Ion:163 Resp: 72201

Ion Ratio Lower Upper

163 100

194 3.9 3.1 4.7

164 9.8 8.2 12.4



#51

2,6-Dinitrotoluene

Concen: 8.832 ng

RT: 9.910 min Scan# 1329

Delta R.T. 0.212 min

Lab File: BF141948.D

Acq: 13 Mar 2025 18:42

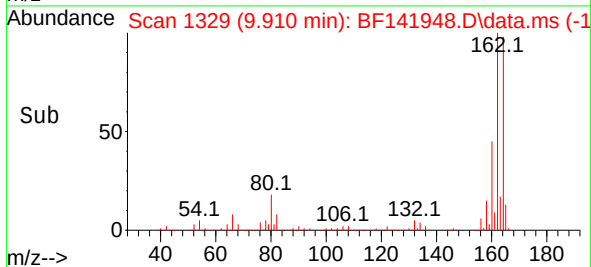
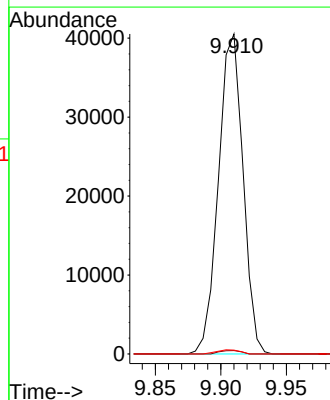
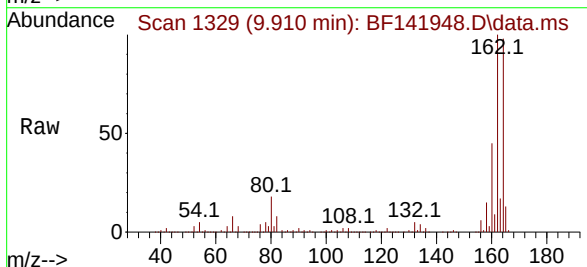
Tgt Ion:165 Resp: 52753

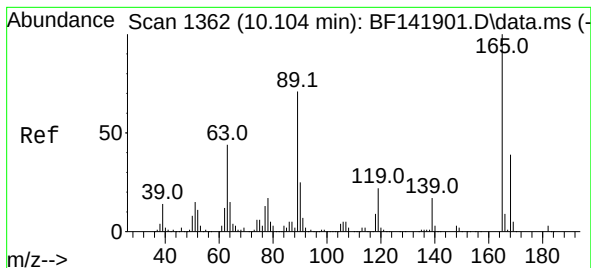
Ion Ratio Lower Upper

165 100

63 1.0 47.0 70.4#

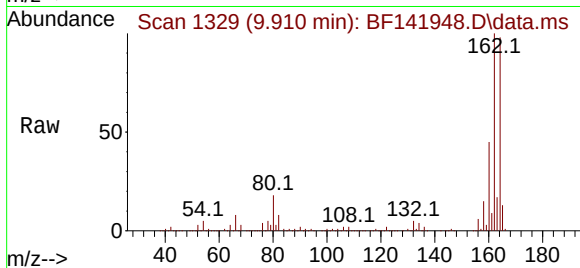
89 1.2 47.4 71.2#



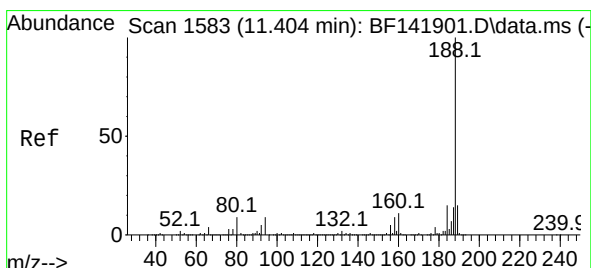
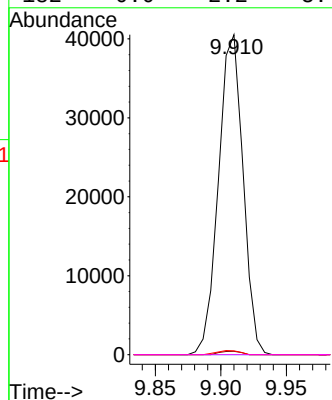
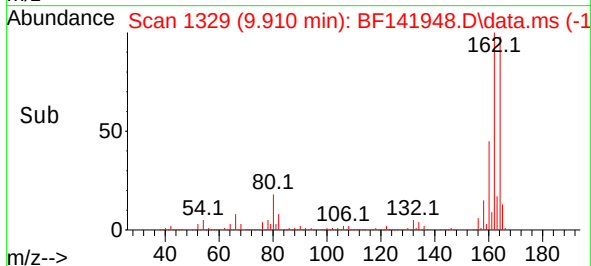


#57
2,4-Dinitrotoluene
Concen: 6.762 ng
RT: 9.910 min Scan# 14
Delta R.T. -0.194 min
Lab File: BF141948.D
Acq: 13 Mar 2025 18:42

Instrument :
BNA_F
ClientSampleId :
OR-620-JB-COMP-01

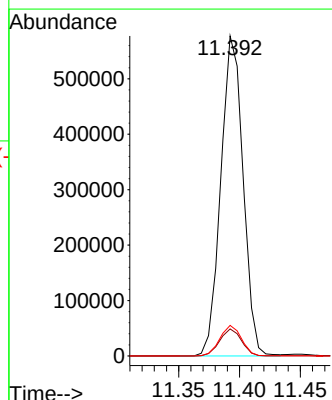
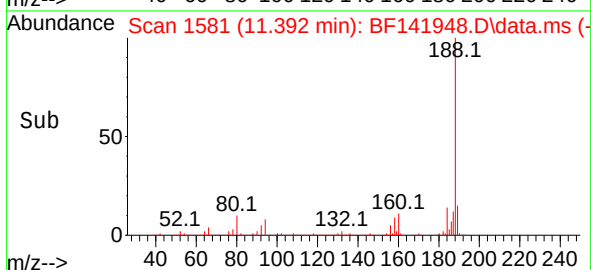
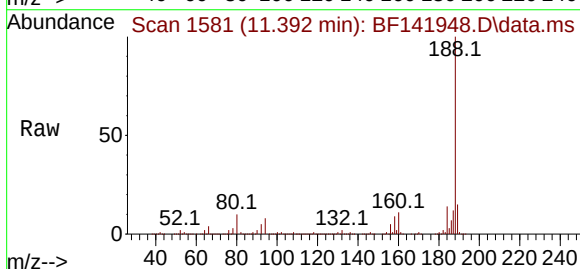


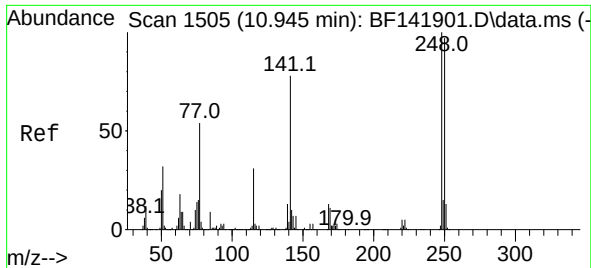
Tgt Ion:165 Resp: 52753
Ion Ratio Lower Upper
165 100
63 1.0 35.4 53.2#
89 1.2 56.6 84.8#
182 0.0 2.2 3.4#



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.392 min Scan# 1581
Delta R.T. -0.012 min
Lab File: BF141948.D
Acq: 13 Mar 2025 18:42

Tgt Ion:188 Resp: 735871
Ion Ratio Lower Upper
188 100
94 8.5 6.8 10.2
80 9.6 7.6 11.4

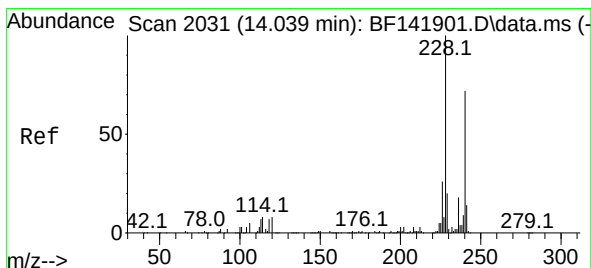
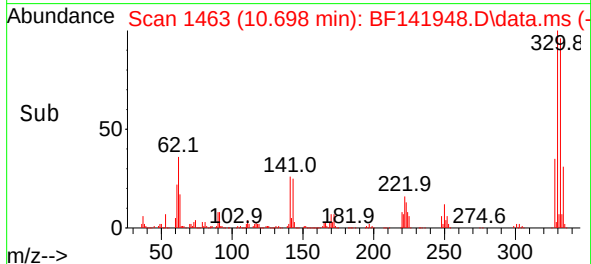
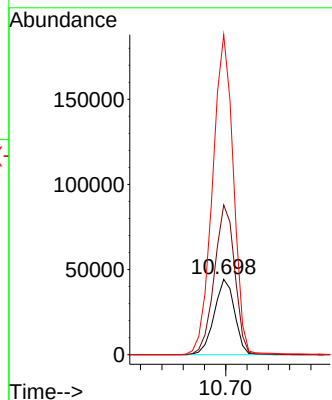
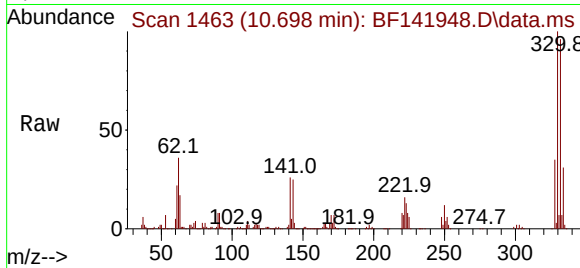




#67
4-Bromophenyl-phenylether
Concen: 6.367 ng
RT: 10.698 min Scan# 141
Delta R.T. -0.247 min
Lab File: BF141948.D
Acq: 13 Mar 2025 18:42

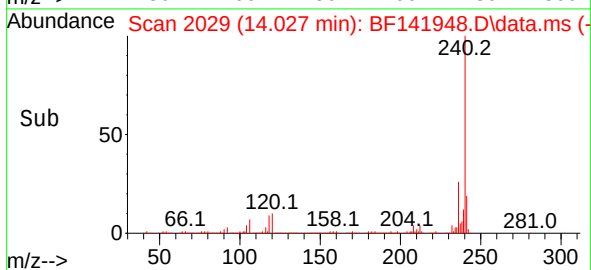
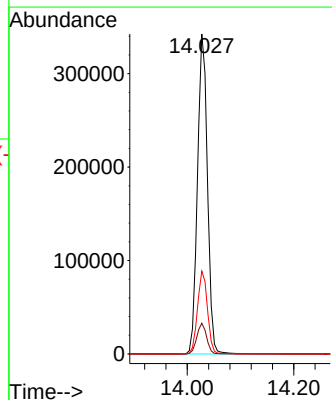
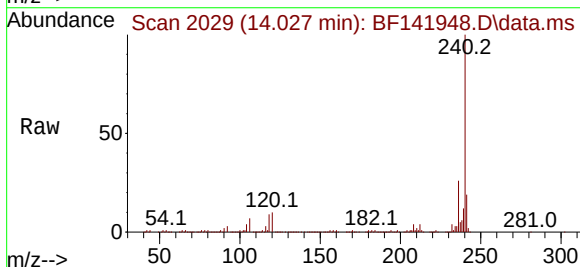
Instrument :
BNA_F
ClientSampleId :
OR-620-JB-COMP-01

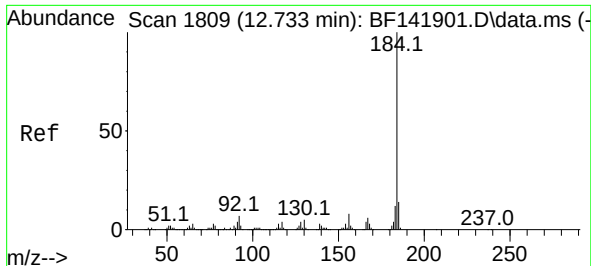
Tgt Ion:248 Resp: 58839
Ion Ratio Lower Upper
248 100
250 198.6 77.8 116.8#
141 424.5 62.6 93.8#



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.027 min Scan# 2029
Delta R.T. -0.012 min
Lab File: BF141948.D
Acq: 13 Mar 2025 18:42

Tgt Ion:240 Resp: 445342
Ion Ratio Lower Upper
240 100
120 9.6 8.4 12.6
236 25.9 20.5 30.7





#77

Benzidine

Concen: 7.574 ng

RT: 12.980 min Scan# 1851

Delta R.T. 0.247 min

Lab File: BF141948.D

Acq: 13 Mar 2025 18:42

Instrument :

BNA_F

ClientSampleId :

OR-620-JB-COMP-01

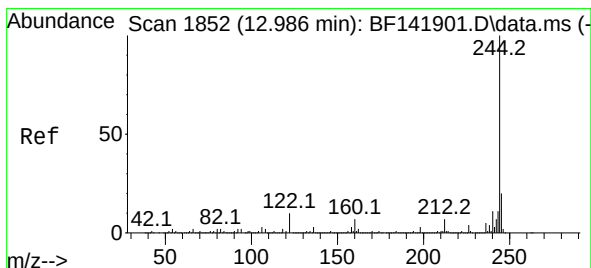
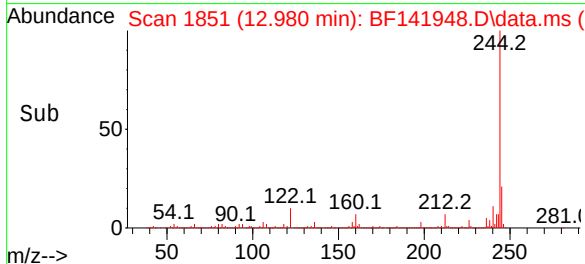
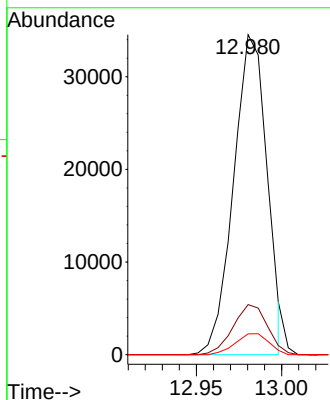
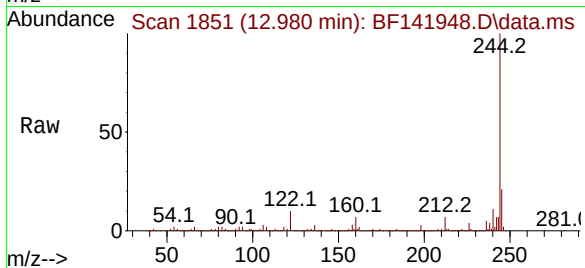
Tgt Ion:184 Resp: 47058

Ion Ratio Lower Upper

184 100

185 15.7 11.5 17.3

183 6.5 9.7 14.5#



#79

Terphenyl-d14

Concen: 114.265 ng

RT: 12.980 min Scan# 1851

Delta R.T. -0.006 min

Lab File: BF141948.D

Acq: 13 Mar 2025 18:42

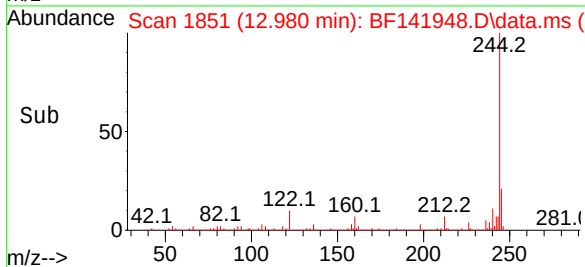
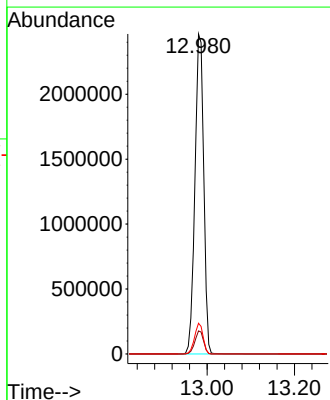
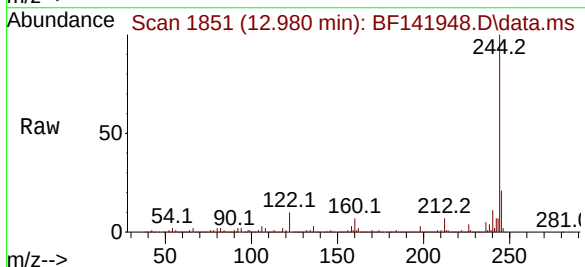
Tgt Ion:244 Resp: 3441906

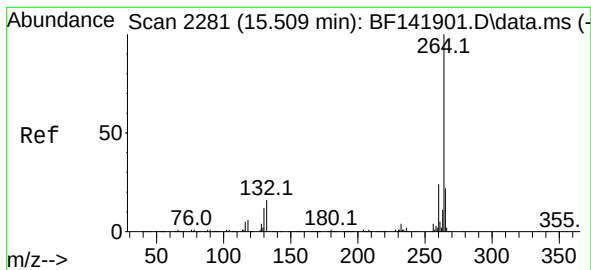
Ion Ratio Lower Upper

244 100

212 7.2 6.0 9.0

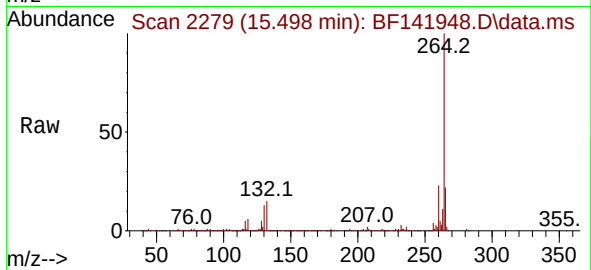
122 9.6 7.7 11.5





#86
Perylene-d12
Concen: 20.000 ng
RT: 15.498 min Scan# 21
Delta R.T. -0.012 min
Lab File: BF141948.D
Acq: 13 Mar 2025 18:42

Instrument :
BNA_F
ClientSampleId :
OR-620-JB-COMP-01



Tgt Ion:264 Resp: 385618
Ion Ratio Lower Upper
264 100
260 23.4 19.1 28.7
265 21.9 17.5 26.3

