

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF030625\
 Data File : BF141874.D
 Acq On : 06 Mar 2025 17:59
 Operator : RC/JU
 Sample : Q1492-01
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 RHL1PXI

Quant Time: Mar 07 00:18:37 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF022725.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Feb 28 01:48:16 2025
 Response via : Initial Calibration

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

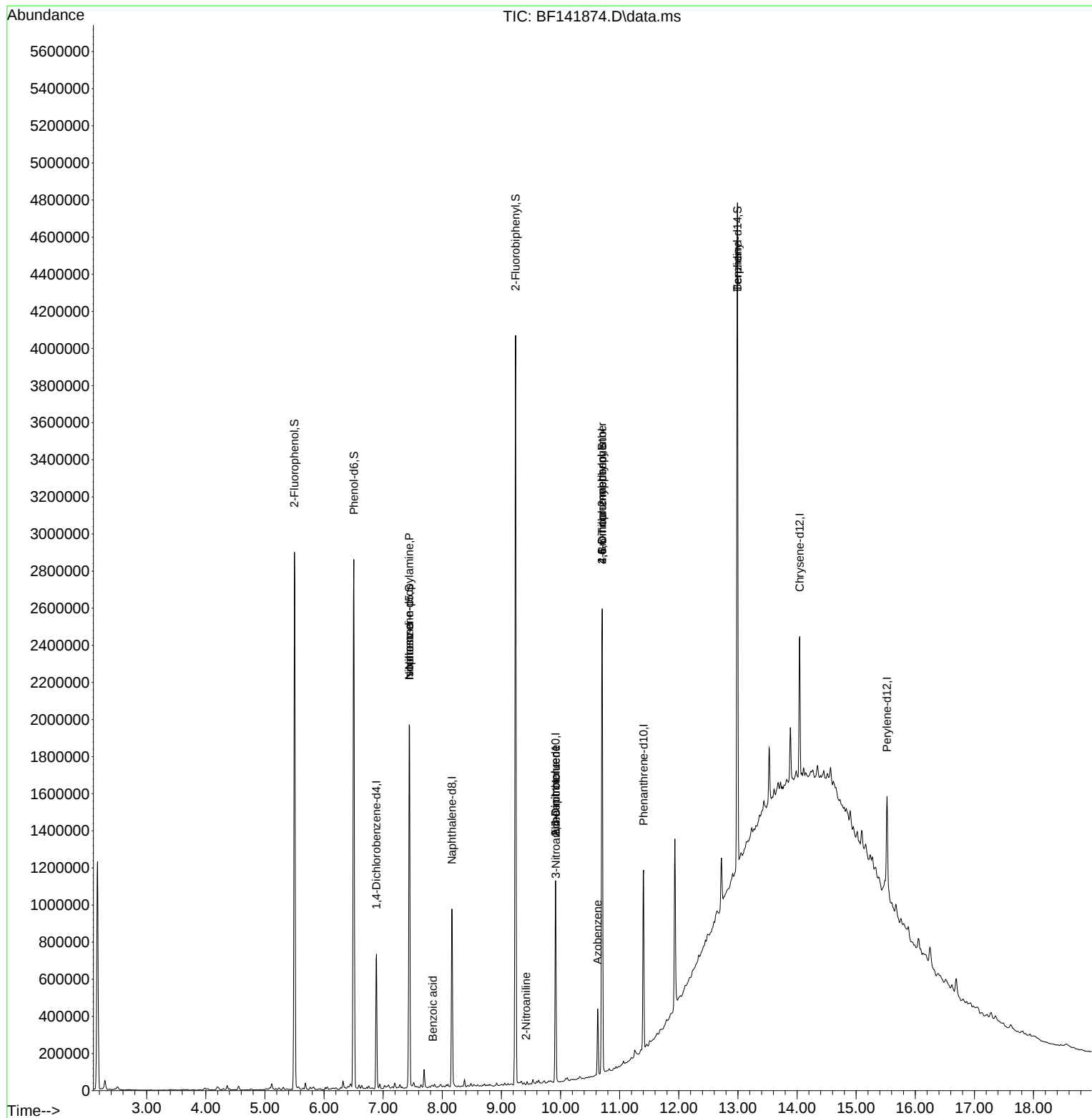
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.887	152	152116	20.000	ng	0.00
21) Naphthalene-d8	8.163	136	583372	20.000	ng	-0.01
39) Acenaphthene-d10	9.916	164	313503	20.000	ng	-0.01
64) Phenanthrene-d10	11.404	188	496736	20.000	ng	0.00
76) Chrysene-d12	14.045	240	391345	20.000	ng	0.00
86) Perylene-d12	15.521	264	319431	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.499	112	1119085	117.487	ng	0.00
7) Phenol-d6	6.504	99	1396721	112.658	ng	0.00
23) Nitrobenzene-d5	7.440	82	908150	99.506	ng	-0.01
42) 2,4,6-Tribromophenol	10.704	330	426706	144.979	ng	-0.01
45) 2-Fluorobiphenyl	9.239	172	1739161	88.951	ng	0.00
79) Terphenyl-d14	12.992	244	1833470	75.800	ng	0.00
Target Compounds						
						Qvalue
19) n-Nitroso-di-n-propyla...	7.440	70	126503	15.522	ng	# 77
25) Isophorone	7.440	82	902594	46.034	ng	# 66
32) Benzoic acid	7.840	122	2225	8.001	ng	96
48) 2-Nitroaniline	9.416	65	90	4.356	ng	# 6
51) 2,6-Dinitrotoluene	9.916	165	41364	12.521	ng	# 21
53) 3-Nitroaniline	9.922	138	164	3.003	ng	# 1
57) 2,4-Dinitrotoluene	9.916	165	41364	11.338	ng	# 20
63) Azobenzene	10.628	77	88742	4.004	ng	# 1
65) 4,6-Dinitro-2-methylph...	10.704	198	1084	8.511	ng	# 1
67) 4-Bromophenyl-phenylether	10.704	248	29207	5.034	ng	# 1
77) Benzidine	12.992	184	25574	5.192	ng	# 81

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

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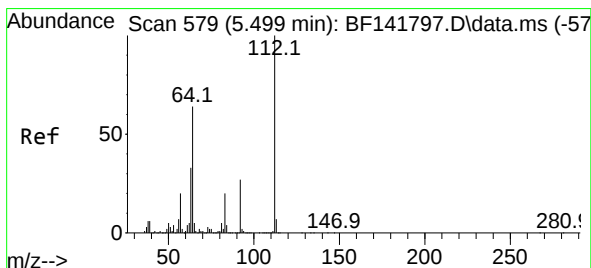
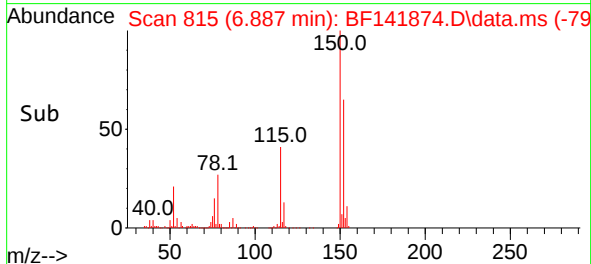
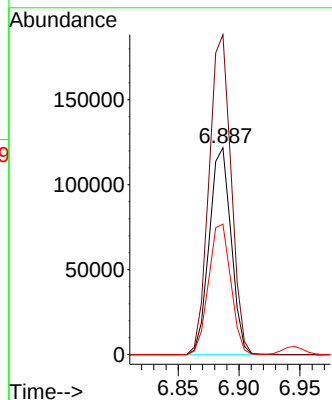
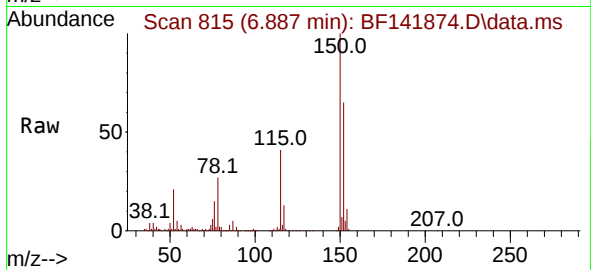




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.887 min Scan# 816
Delta R.T. -0.006 min
Lab File: BF141874.D
Acq: 06 Mar 2025 17:59

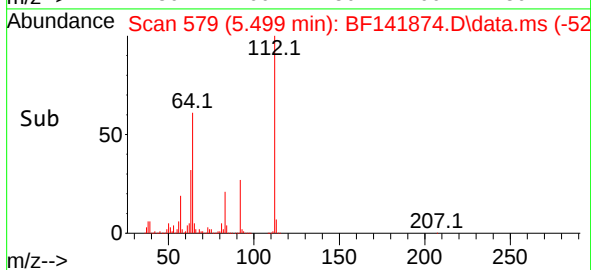
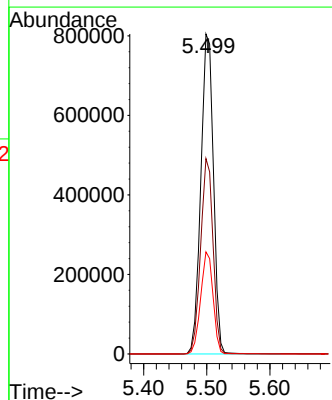
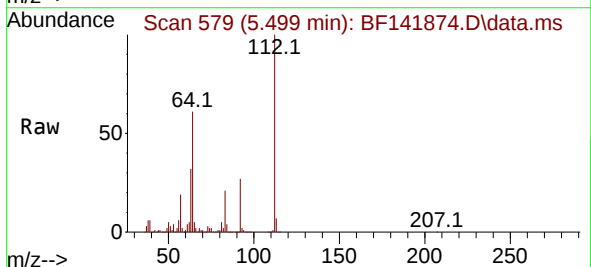
Instrument :
BNA_F
ClientSampleId :
RHL1PXI

Tgt Ion:152 Resp: 152116
Ion Ratio Lower Upper
152 100
150 154.6 127.5 191.3
115 63.1 51.4 77.2



#5
2-Fluorophenol
Concen: 117.487 ng
RT: 5.499 min Scan# 579
Delta R.T. -0.000 min
Lab File: BF141874.D
Acq: 06 Mar 2025 17:59

Tgt Ion:112 Resp: 1119085
Ion Ratio Lower Upper
112 100
64 61.1 51.3 76.9
63 31.9 26.2 39.4

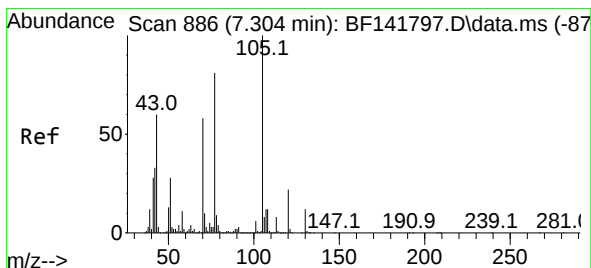
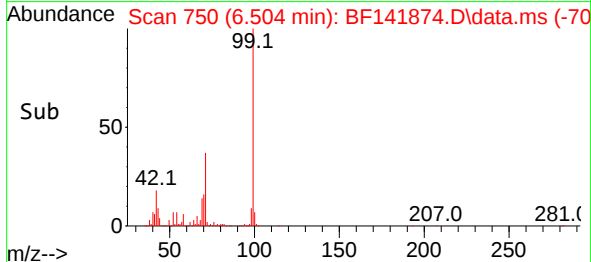
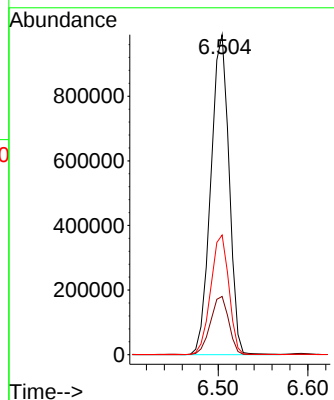
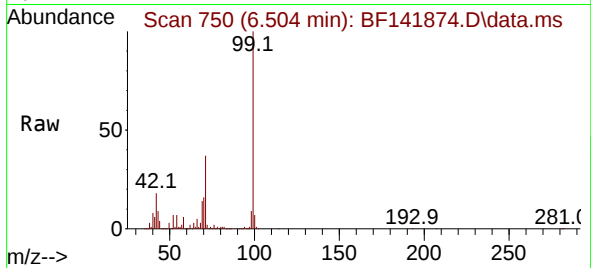




#7
Phenol-d6
Concen: 112.658 ng
RT: 6.504 min Scan# 71
Delta R.T. -0.006 min
Lab File: BF141874.D
Acq: 06 Mar 2025 17:59

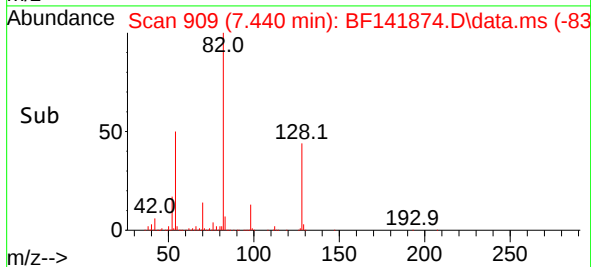
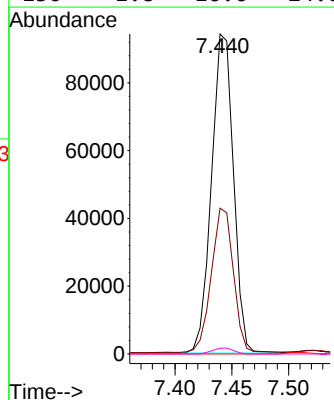
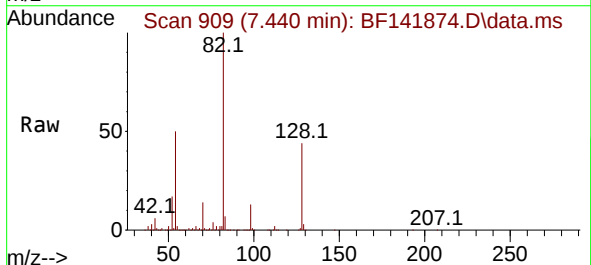
Instrument :
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ClientSampleId :
RHL1PXI

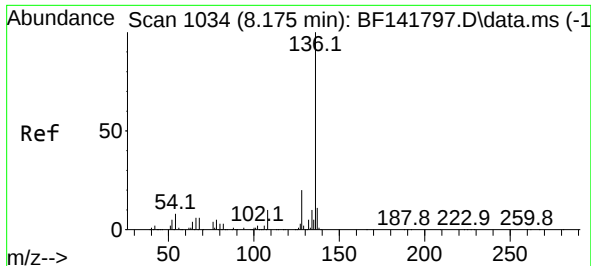
Tgt Ion: 99 Resp: 1396721
Ion Ratio Lower Upper
99 100
42 18.2 15.2 22.8
71 37.4 28.2 42.2



#19
n-Nitroso-di-n-propylamine
Concen: 15.522 ng
RT: 7.440 min Scan# 909
Delta R.T. 0.135 min
Lab File: BF141874.D
Acq: 06 Mar 2025 17:59

Tgt Ion: 70 Resp: 126503
Ion Ratio Lower Upper
70 100
42 45.5 45.4 68.0
101 0.0 7.8 11.8#
130 1.8 16.6 24.8#



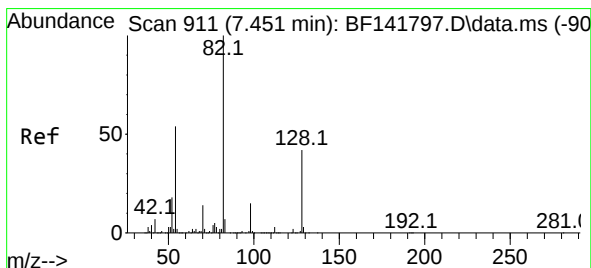
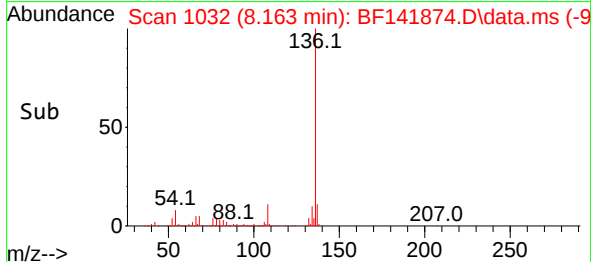
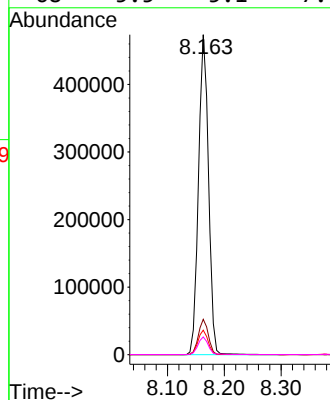
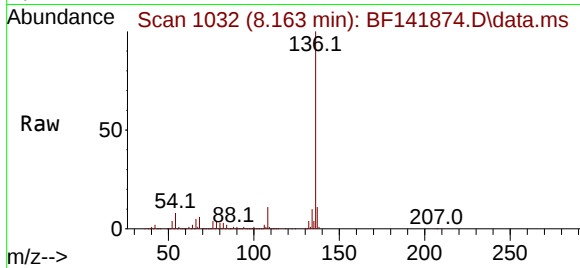


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.163 min Scan# 1032
Delta R.T. -0.012 min
Lab File: BF141874.D
Acq: 06 Mar 2025 17:59

Instrument :
BNA_F
ClientSampleId :
RHL1PXI

Tgt Ion:136 Resp: 583372

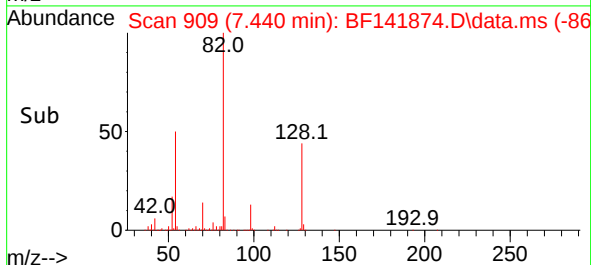
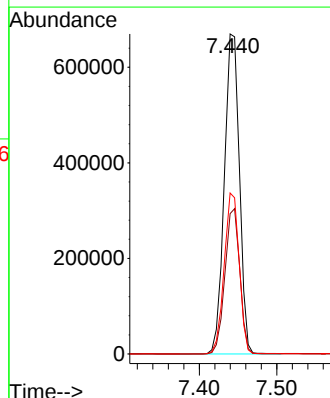
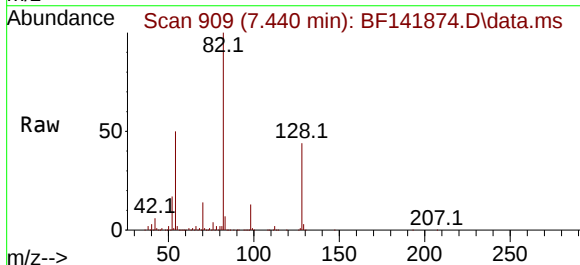
Ion	Ratio	Lower	Upper
136	100		
137	11.1	8.9	13.3
54	7.6	6.9	10.3
68	5.5	5.1	7.7

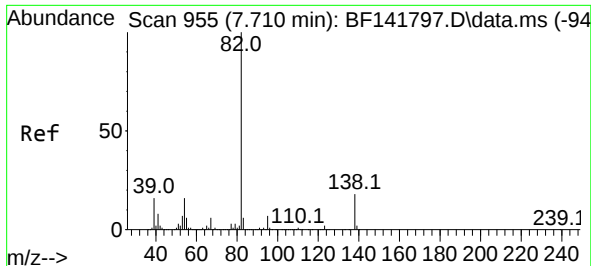


#23
Nitrobenzene-d5
Concen: 99.506 ng
RT: 7.440 min Scan# 909
Delta R.T. -0.012 min
Lab File: BF141874.D
Acq: 06 Mar 2025 17:59

Tgt Ion: 82 Resp: 908150

Ion	Ratio	Lower	Upper
82	100		
128	43.9	33.5	50.3
54	50.3	42.7	64.1

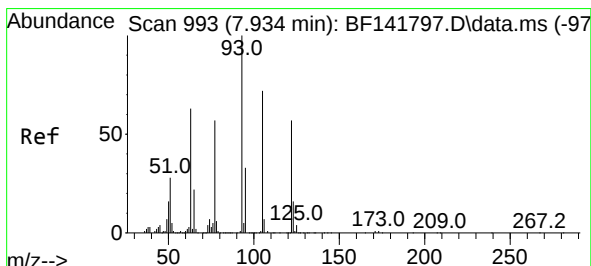
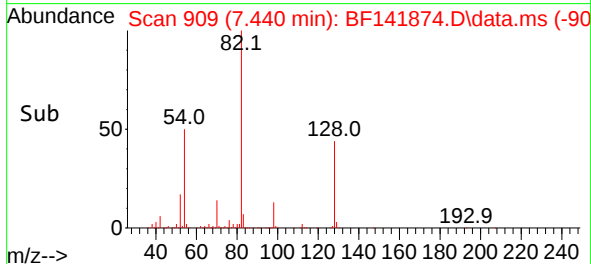
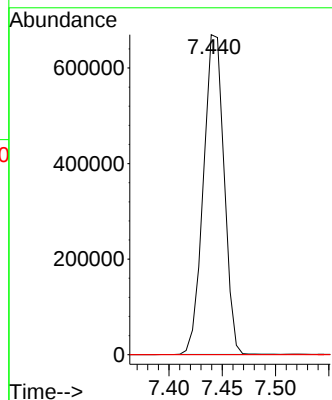
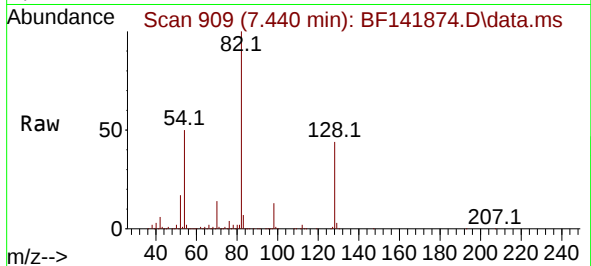




#25
Isophorone
Concen: 46.034 ng
RT: 7.440 min Scan# 909
Delta R.T. -0.271 min
Lab File: BF141874.D
Acq: 06 Mar 2025 17:59

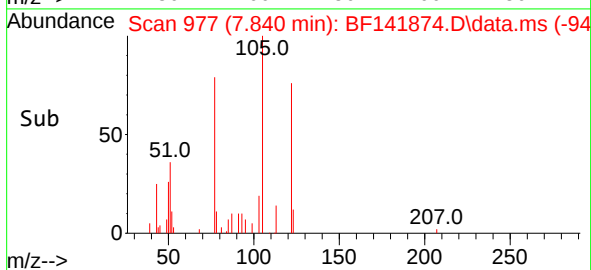
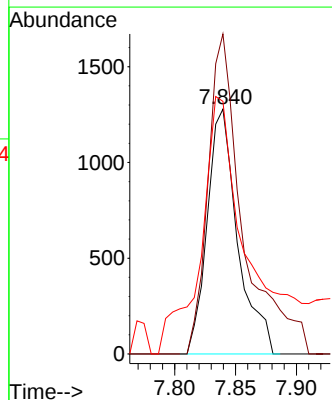
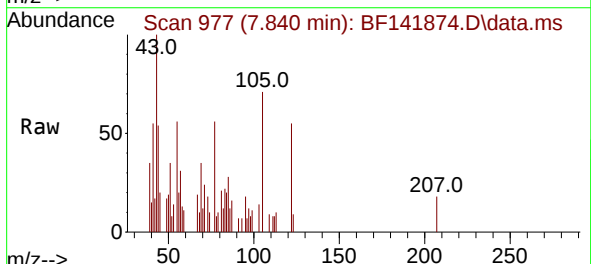
Instrument :
BNA_F
ClientSampleId :
RHL1PXI

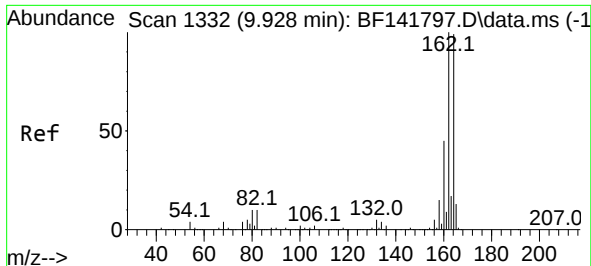
Tgt Ion: 82 Resp: 902594
Ion Ratio Lower Upper
82 100
95 0.0 5.8 8.8#
138 0.0 14.0 21.0#



#32
Benzoic acid
Concen: 8.001 ng
RT: 7.840 min Scan# 977
Delta R.T. -0.094 min
Lab File: BF141874.D
Acq: 06 Mar 2025 17:59

Tgt Ion:122 Resp: 2225
Ion Ratio Lower Upper
122 100
105 130.8 105.8 145.8
77 103.2 79.9 119.9

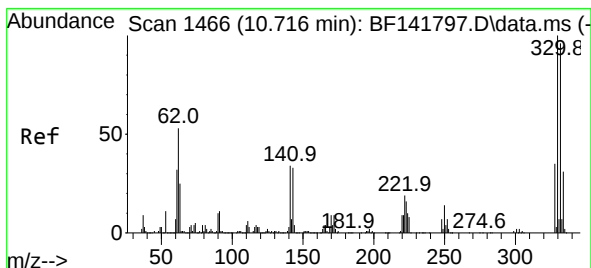
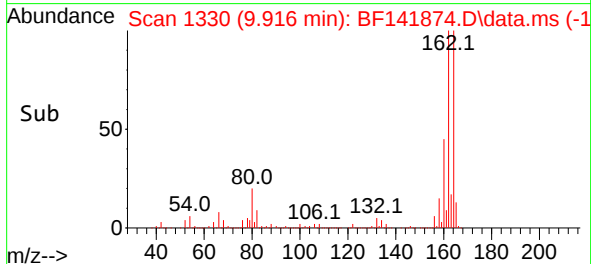
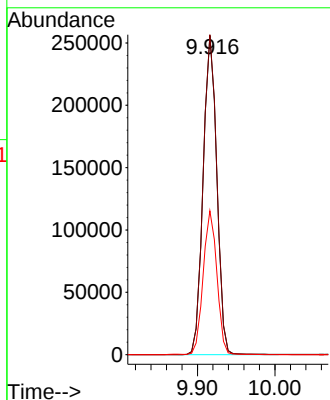
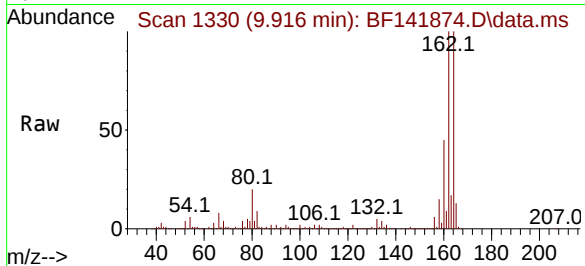




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.916 min Scan# 11
Delta R.T. -0.012 min
Lab File: BF141874.D
Acq: 06 Mar 2025 17:59

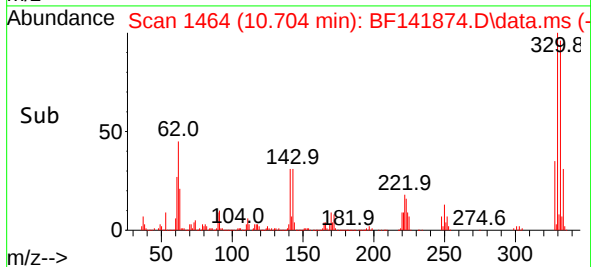
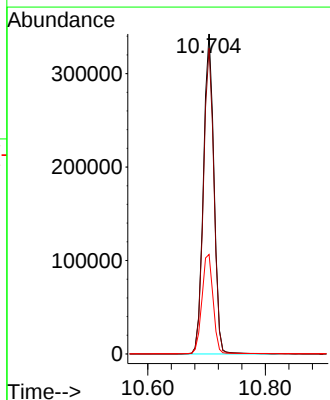
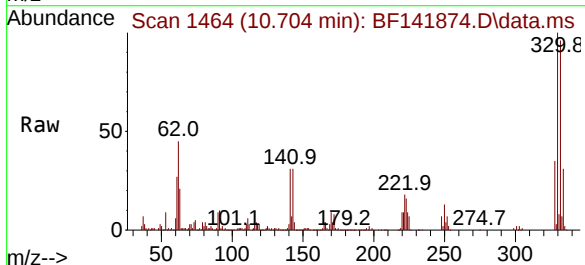
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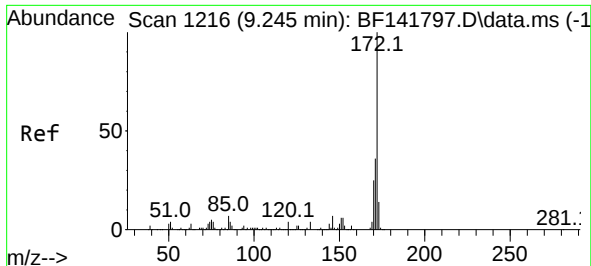
Tgt Ion:164 Resp: 313503
Ion Ratio Lower Upper
164 100
162 100.3 80.6 120.8
160 45.1 36.3 54.5



#42
2,4,6-Tribromophenol
Concen: 144.979 ng
RT: 10.704 min Scan# 1464
Delta R.T. -0.012 min
Lab File: BF141874.D
Acq: 06 Mar 2025 17:59

Tgt Ion:330 Resp: 426706
Ion Ratio Lower Upper
330 100
332 95.7 76.6 115.0
141 32.7 29.0 43.4

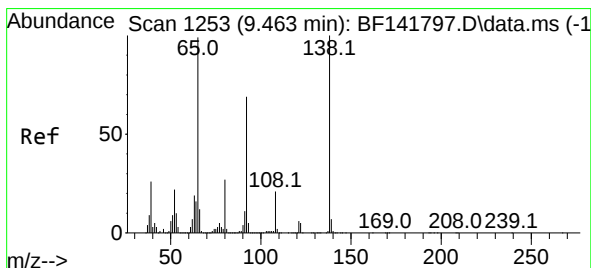
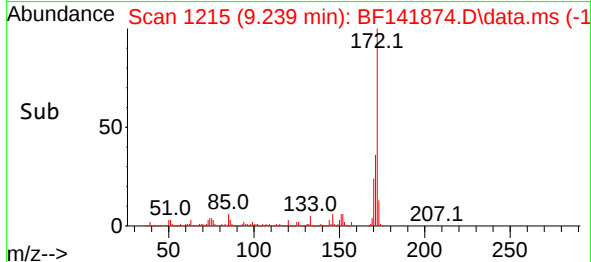
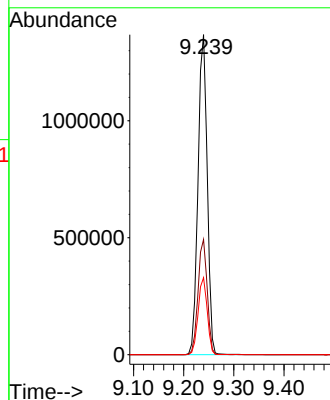
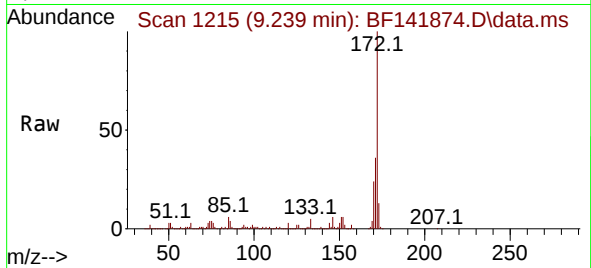




#45
2-Fluorobiphenyl
Concen: 88.951 ng
RT: 9.239 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF141874.D
Acq: 06 Mar 2025 17:59

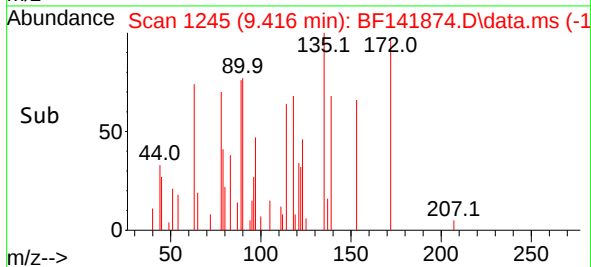
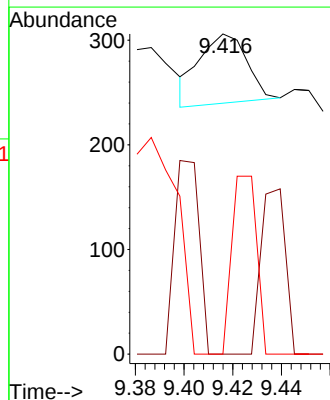
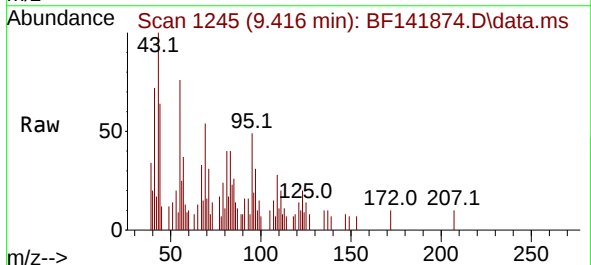
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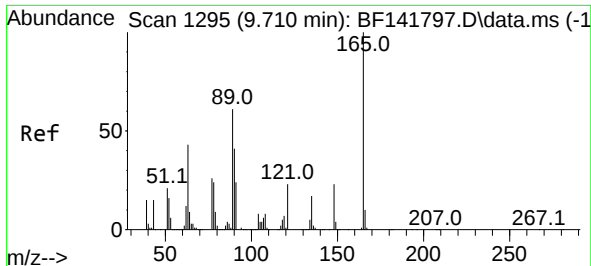
Tgt Ion:172 Resp: 1739161
Ion Ratio Lower Upper
172 100
171 36.0 29.2 43.8
170 24.1 19.7 29.5



#48
2-Nitroaniline
Concen: 4.356 ng
RT: 9.416 min Scan# 1245
Delta R.T. -0.047 min
Lab File: BF141874.D
Acq: 06 Mar 2025 17:59

Tgt Ion: 65 Resp: 90
Ion Ratio Lower Upper
65 100
92 0.0 55.7 83.5#
138 0.0 80.6 121.0#

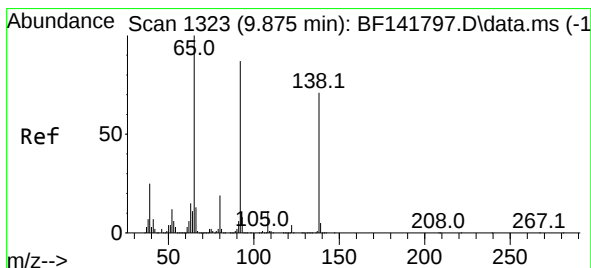
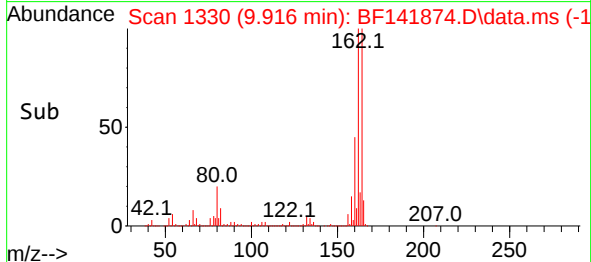
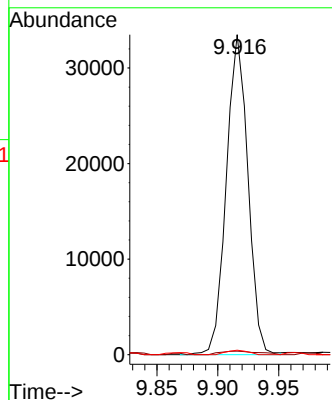
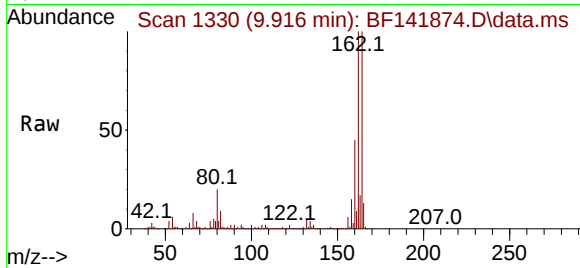




#51
2,6-Dinitrotoluene
Concen: 12.521 ng
RT: 9.916 min Scan# 11
Delta R.T. 0.206 min
Lab File: BF141874.D
Acq: 06 Mar 2025 17:59

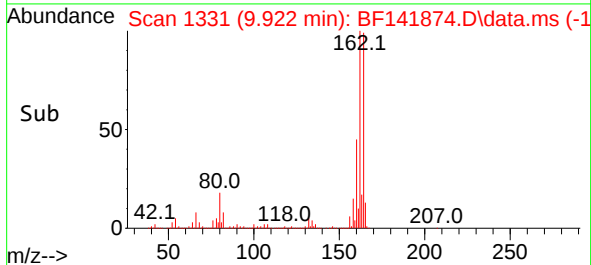
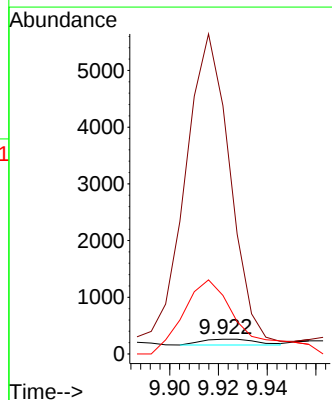
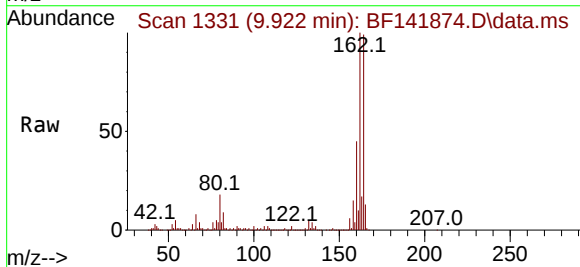
Instrument :
BNA_F
ClientSampleId :
RHL1PXI

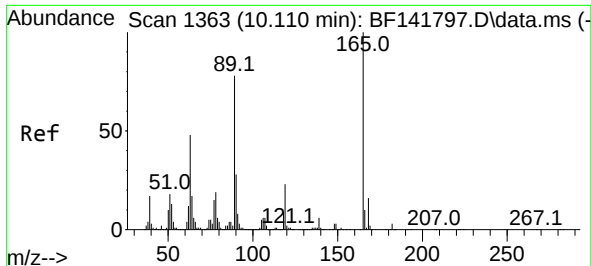
Tgt Ion:165 Resp: 41364
Ion Ratio Lower Upper
165 100
63 1.1 49.5 74.3#
89 1.4 49.0 73.4#



#53
3-Nitroaniline
Concen: 3.003 ng
RT: 9.922 min Scan# 1331
Delta R.T. 0.047 min
Lab File: BF141874.D
Acq: 06 Mar 2025 17:59

Tgt Ion:138 Resp: 164
Ion Ratio Lower Upper
138 100
108 1678.2 12.7 19.1#
92 395.4 97.9 146.9#

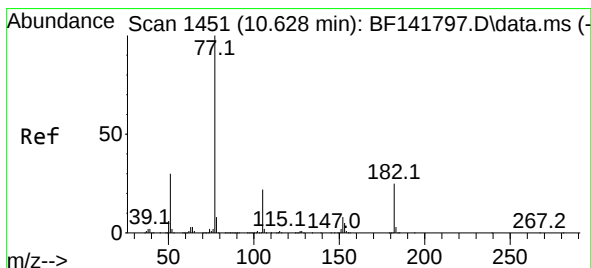
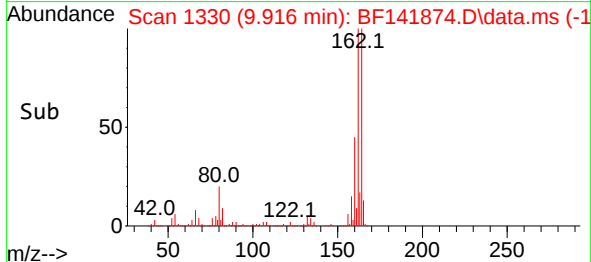
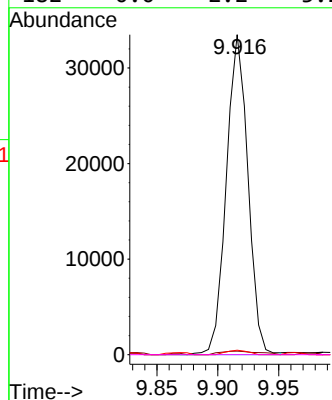
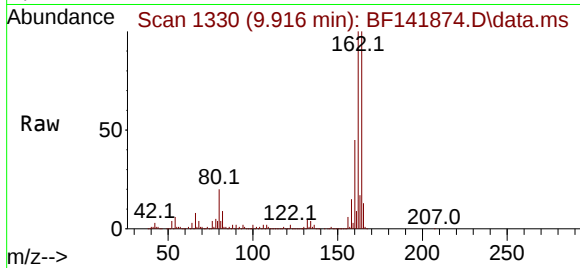




#57
2,4-Dinitrotoluene
Concen: 11.338 ng
RT: 9.916 min Scan# 11
Delta R.T. -0.194 min
Lab File: BF141874.D
Acq: 06 Mar 2025 17:59

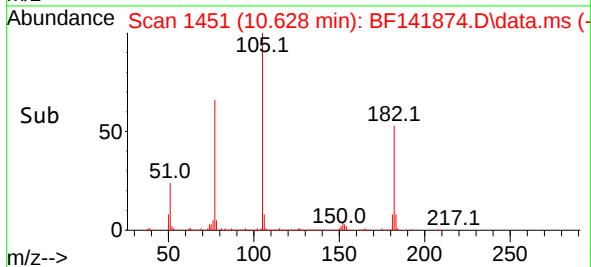
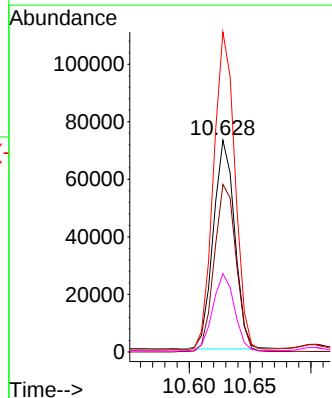
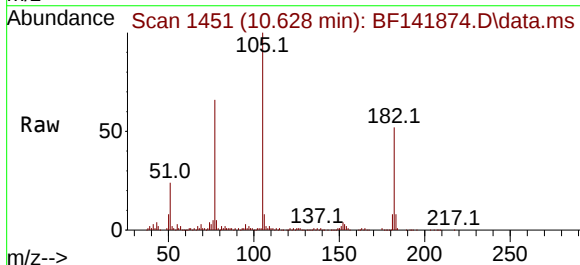
Instrument :
BNA_F
ClientSampleId :
RHL1PXI

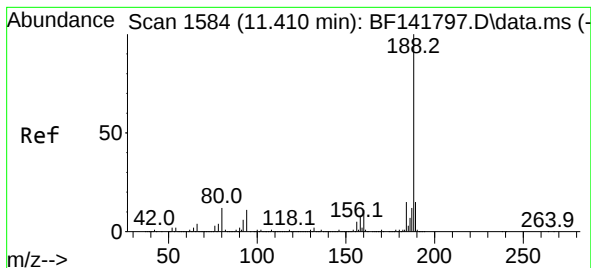
Tgt Ion:165 Resp: 41364
Ion Ratio Lower Upper
165 100
63 1.1 38.8 58.2#
89 1.4 62.6 94.0#
182 0.0 2.2 3.2#



#63
Azobenzene
Concen: 4.004 ng
RT: 10.628 min Scan# 1451
Delta R.T. 0.000 min
Lab File: BF141874.D
Acq: 06 Mar 2025 17:59

Tgt Ion: 77 Resp: 88742
Ion Ratio Lower Upper
77 100
182 79.1 4.2 44.2#
105 151.2 1.5 41.5#
51 37.0 10.4 50.4





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.404 min Scan# 1

Delta R.T. -0.006 min

Lab File: BF141874.D

Acq: 06 Mar 2025 17:59

Instrument :

BNA_F

ClientSampleId :

RHL1PXI

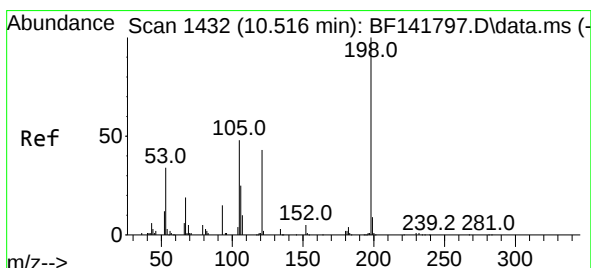
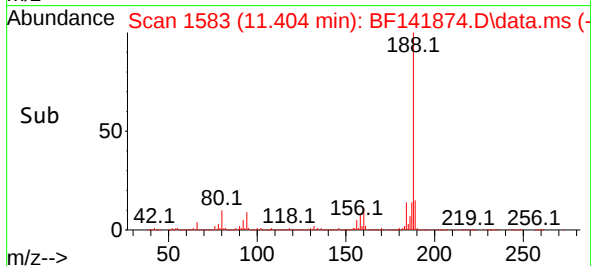
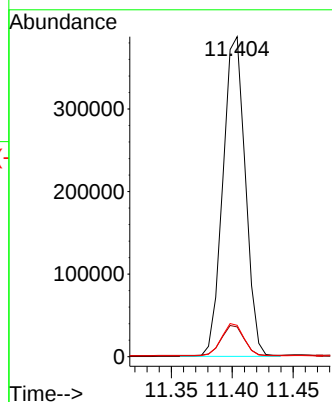
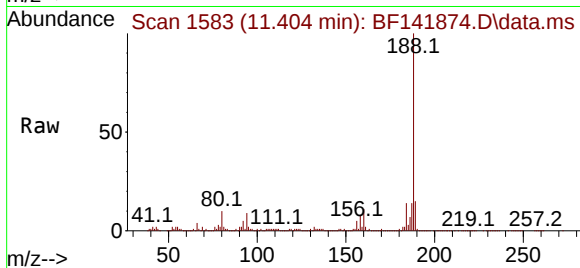
Tgt Ion:188 Resp: 496736

Ion Ratio Lower Upper

188 100

94 9.3 8.9 13.3

80 9.8 9.7 14.5



#65

4,6-Dinitro-2-methylphenol

Concen: 8.511 ng

RT: 10.704 min Scan# 1464

Delta R.T. 0.188 min

Lab File: BF141874.D

Acq: 06 Mar 2025 17:59

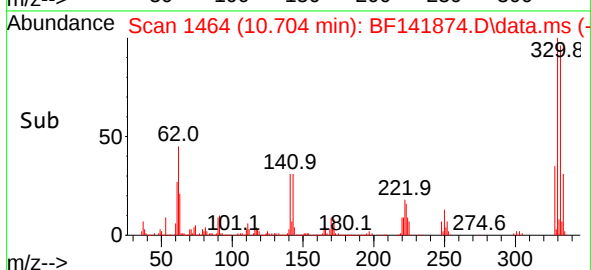
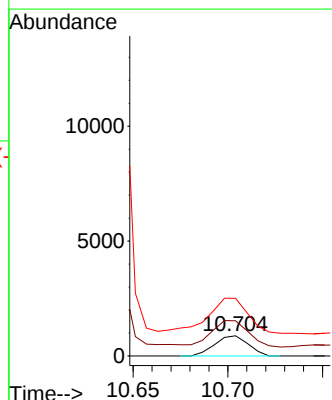
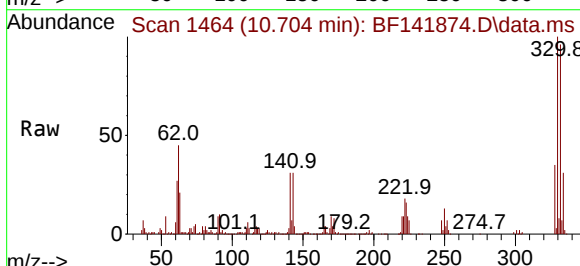
Tgt Ion:198 Resp: 1084

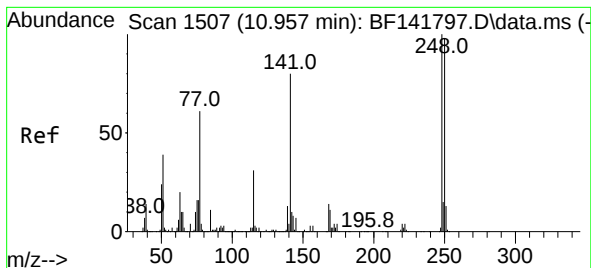
Ion Ratio Lower Upper

198 100

51 175.1 32.1 72.1#

105 286.4 28.5 68.5#

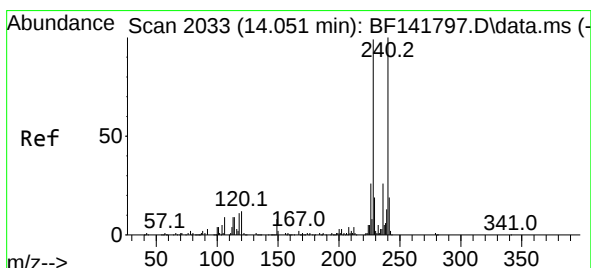
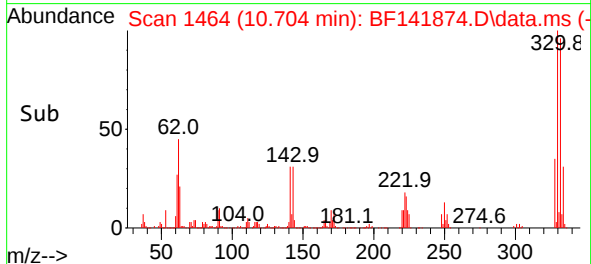
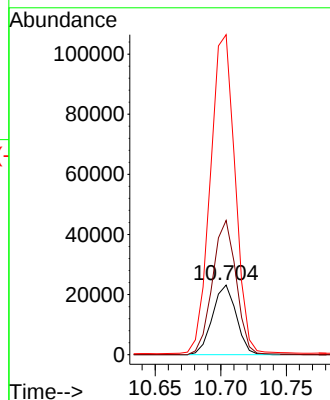
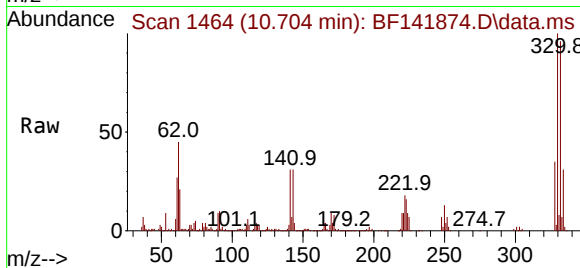




#67
4-Bromophenyl-phenylether
Concen: 5.034 ng
RT: 10.704 min Scan# 14
Delta R.T. -0.253 min
Lab File: BF141874.D
Acq: 06 Mar 2025 17:59

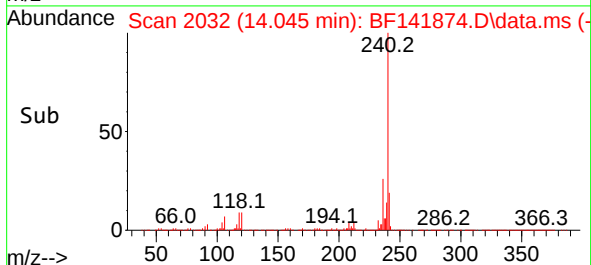
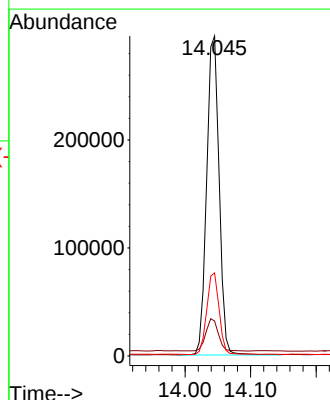
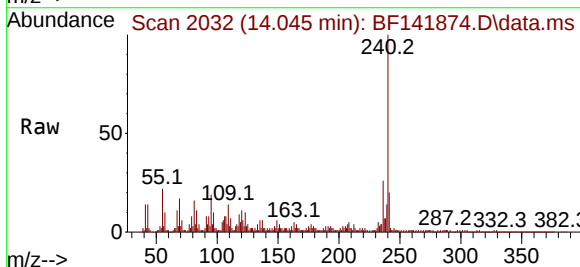
Instrument :
BNA_F
ClientSampleId :
RHL1PXI

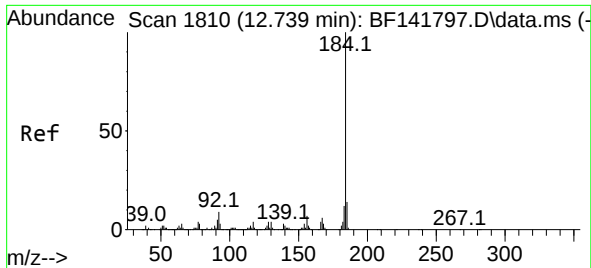
Tgt Ion:248 Resp: 29207
Ion Ratio Lower Upper
248 100
250 192.9 78.1 117.1#
141 459.6 64.3 96.5#



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.045 min Scan# 2032
Delta R.T. -0.006 min
Lab File: BF141874.D
Acq: 06 Mar 2025 17:59

Tgt Ion:240 Resp: 391345
Ion Ratio Lower Upper
240 100
120 10.9 9.7 14.5
236 26.0 21.0 31.4

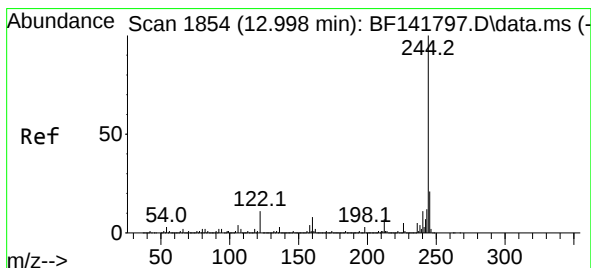
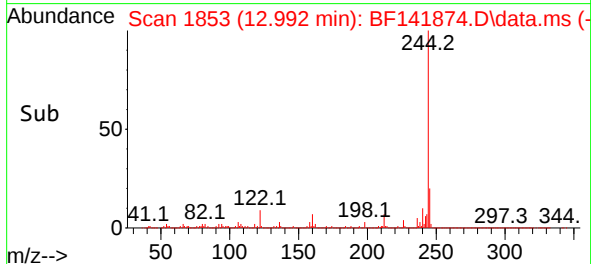
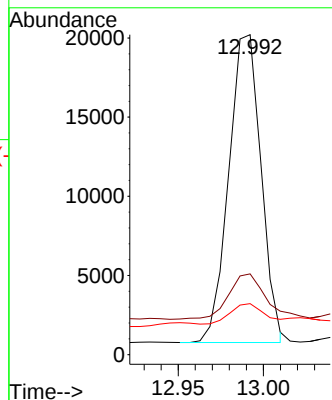
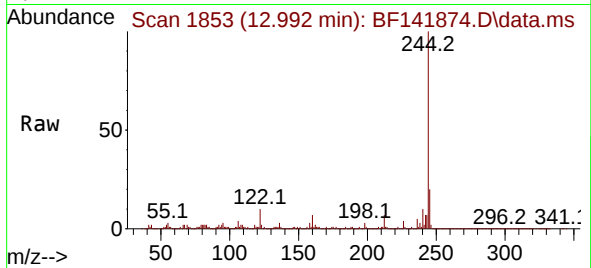




#77
Benzidine
Concen: 5.192 ng
RT: 12.992 min Scan# 1853
Delta R.T. 0.253 min
Lab File: BF141874.D
Acq: 06 Mar 2025 17:59

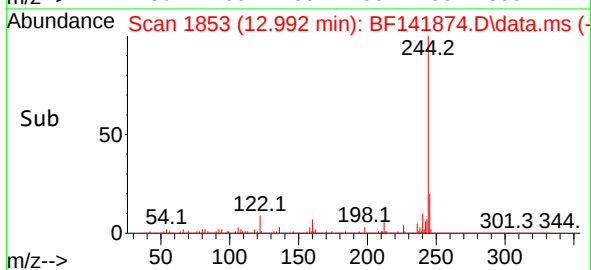
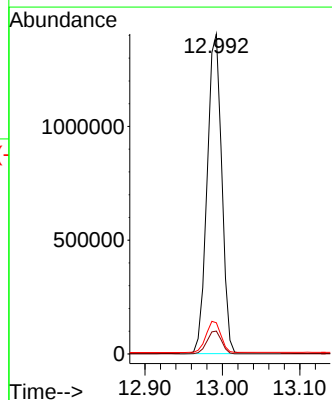
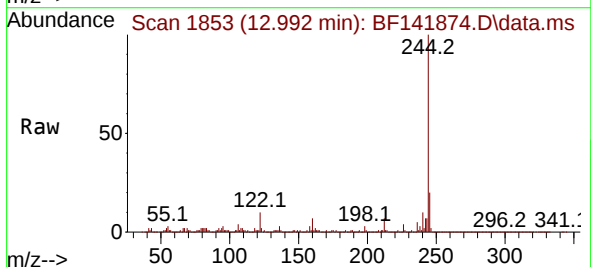
Instrument :
BNA_F
ClientSampleId :
RHL1PXI

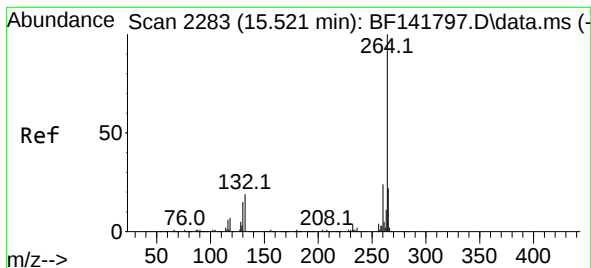
Tgt Ion:184 Resp: 25574
Ion Ratio Lower Upper
184 100
185 25.2 11.6 17.4#
183 16.0 9.4 14.0#



#79
Terphenyl-d14
Concen: 75.800 ng
RT: 12.992 min Scan# 1853
Delta R.T. -0.006 min
Lab File: BF141874.D
Acq: 06 Mar 2025 17:59

Tgt Ion:244 Resp: 1833470
Ion Ratio Lower Upper
244 100
212 7.2 6.0 9.0
122 9.8 9.0 13.6





#86

Perylene-d12

Concen: 20.000 ng

RT: 15.521 min Scan# 21

Delta R.T. 0.000 min

Lab File: BF141874.D

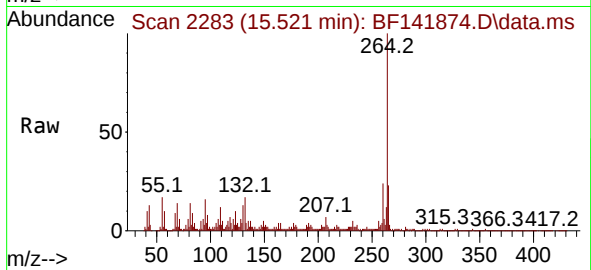
Acq: 06 Mar 2025 17:59

Instrument :

BNA_F

ClientSampleId :

RHL1PXI



Tgt Ion:264 Resp: 319431

Ion Ratio Lower Upper

264 100

260 24.3 18.9 28.3

265 22.5 17.4 26.0

