

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF010325\
 Data File : BF141066.D
 Acq On : 03 Jan 2025 14:30
 Operator : RC/JU
 Sample : PB165934TB
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 PB165934TB

Quant Time: Jan 03 14:53:23 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF122624.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Dec 27 00:31:16 2024
 Response via : Initial Calibration

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

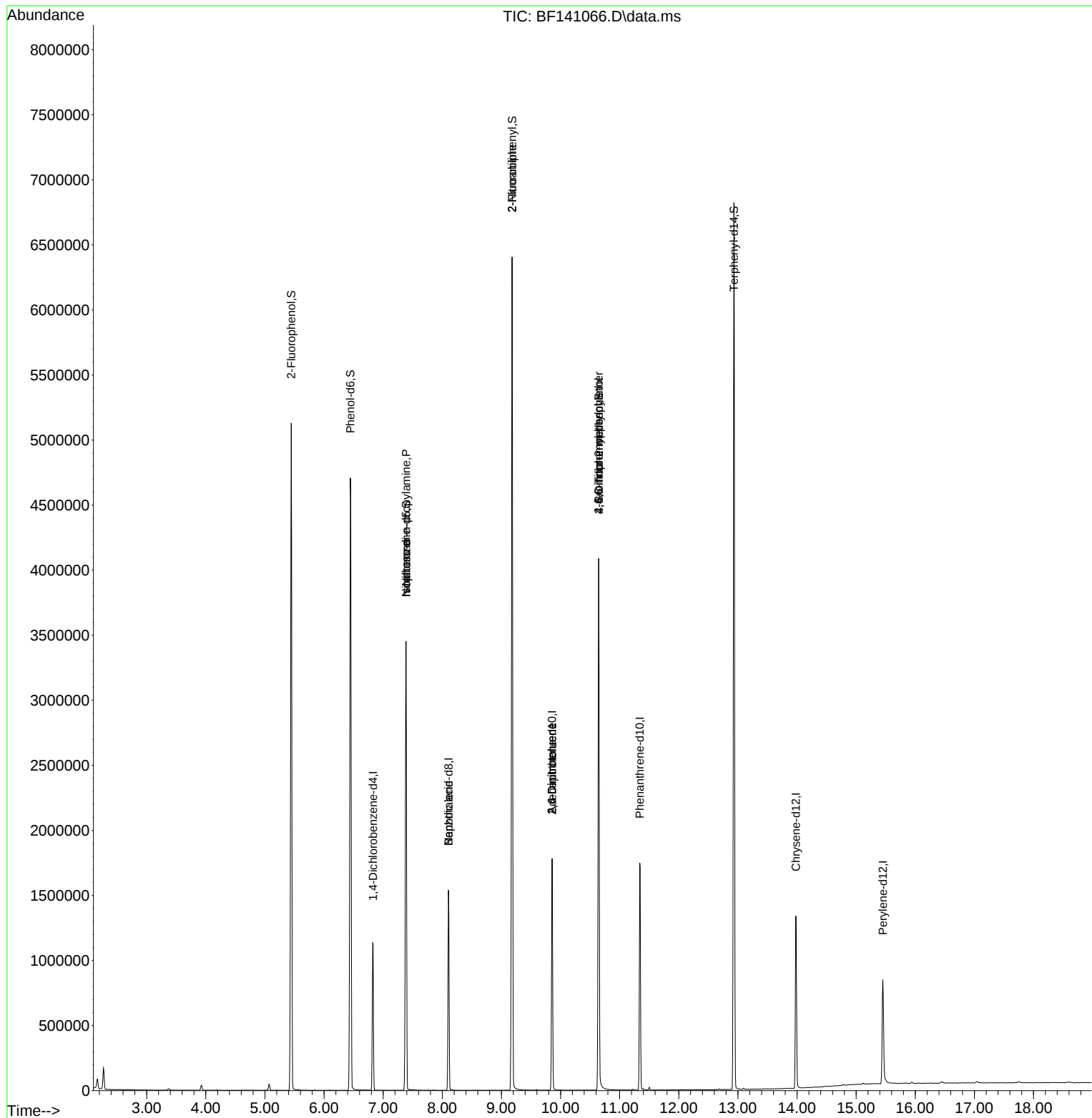
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.828	152	242832	20.000	ng	0.00
21) Naphthalene-d8	8.104	136	976940	20.000	ng	0.00
39) Acenaphthene-d10	9.857	164	530542	20.000	ng	0.00
64) Phenanthrene-d10	11.339	188	908726	20.000	ng	0.00
76) Chrysene-d12	13.980	240	646715	20.000	ng	0.00
86) Perylene-d12	15.451	264	507673	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.446	112	2059297	127.831	ng	0.01
7) Phenol-d6	6.446	99	2588252	124.720	ng	0.00
23) Nitrobenzene-d5	7.387	82	1668618	109.275	ng	0.00
42) 2,4,6-Tribromophenol	10.645	330	782839	151.851	ng	0.00
45) 2-Fluorobiphenyl	9.181	172	2931300	88.028	ng	0.00
79) Terphenyl-d14	12.933	244	3434468	88.209	ng	0.00
Target Compounds						
					Qvalue	
9) Benzaldehyde	6.446	77	4228	Below Cal	#	2
19) n-Nitroso-di-n-propyla...	7.387	70	222657	17.513	ng	# 78
25) Isophorone	7.387	82	1654691	49.798	ng	# 65
32) Benzoic acid	8.104	122	196	7.709	ng	# 1
48) 2-Nitroaniline	9.181	65	5017	5.194	ng	# 1
51) 2,6-Dinitrotoluene	9.857	165	69071	12.621	ng	# 23
57) 2,4-Dinitrotoluene	9.857	165	69071	11.687	ng	# 21
65) 4,6-Dinitro-2-methylph...	10.645	198	1632	9.706	ng	# 1
67) 4-Bromophenyl-phenylether	10.645	248	47947	4.881	ng	# 1

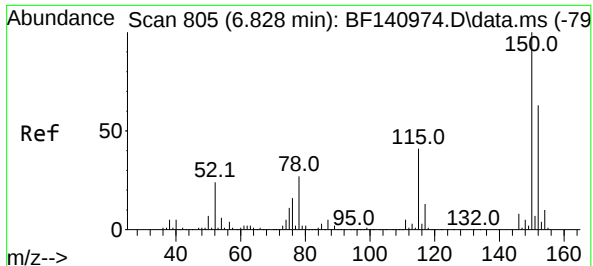
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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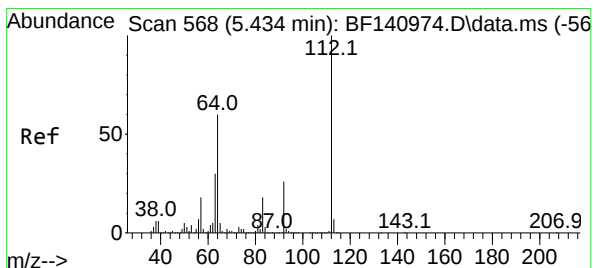
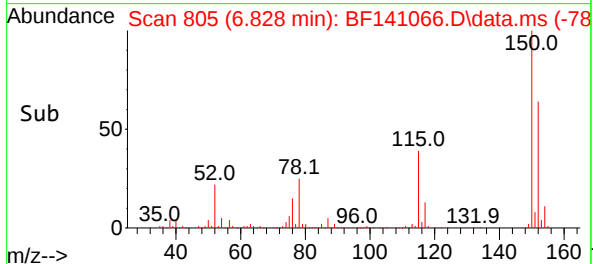
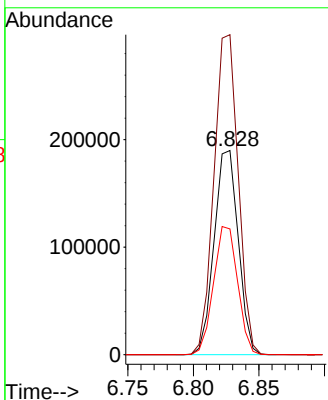
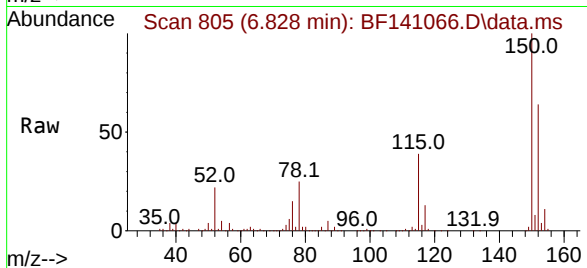




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.828 min Scan# 805
Delta R.T. -0.000 min
Lab File: BF141066.D
Acq: 03 Jan 2025 14:30

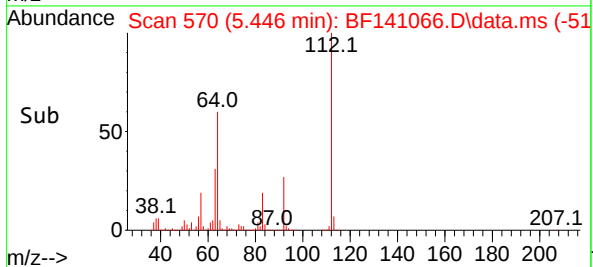
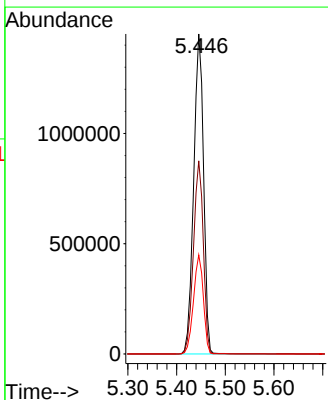
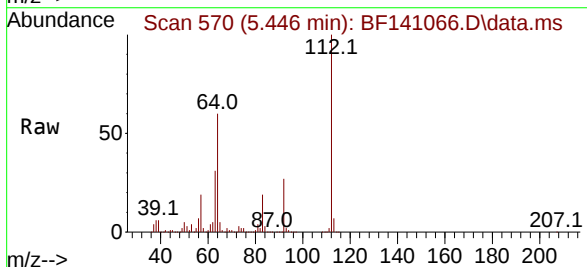
Instrument :
BNA_F
ClientSampleId :
PB165934TB

Tgt Ion:152 Resp: 242832
Ion Ratio Lower Upper
152 100
150 156.8 127.0 190.6
115 61.6 51.7 77.5



#5
2-Fluorophenol
Concen: 127.831 ng
RT: 5.446 min Scan# 570
Delta R.T. 0.012 min
Lab File: BF141066.D
Acq: 03 Jan 2025 14:30

Tgt Ion:112 Resp: 2059297
Ion Ratio Lower Upper
112 100
64 60.4 47.7 71.5
63 30.9 24.2 36.2

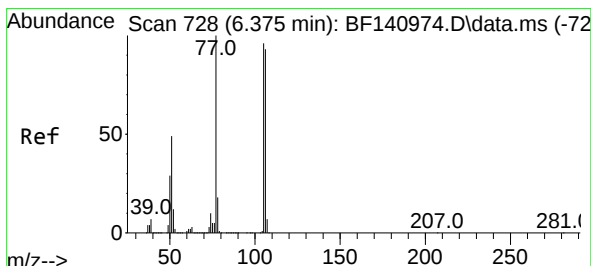
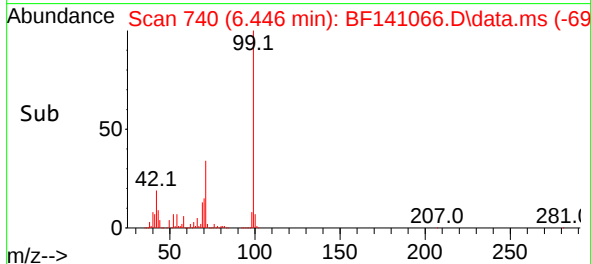
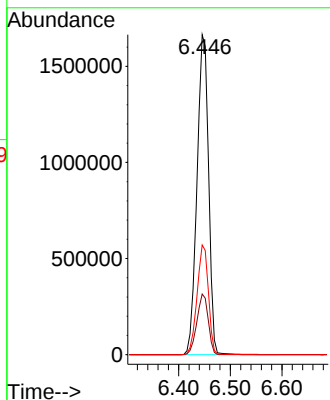
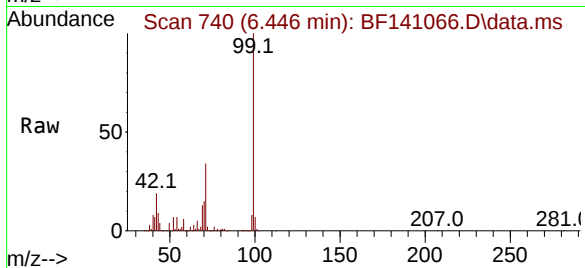




#7
Phenol-d6
Concen: 124.720 ng
RT: 6.446 min Scan# 741
Delta R.T. -0.006 min
Lab File: BF141066.D
Acq: 03 Jan 2025 14:30

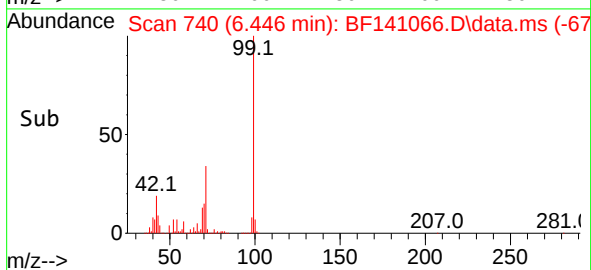
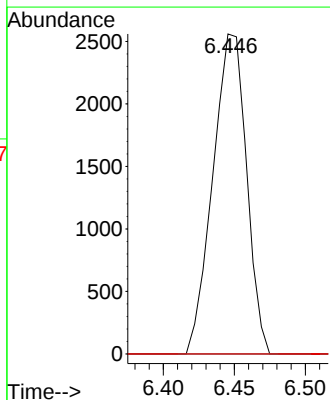
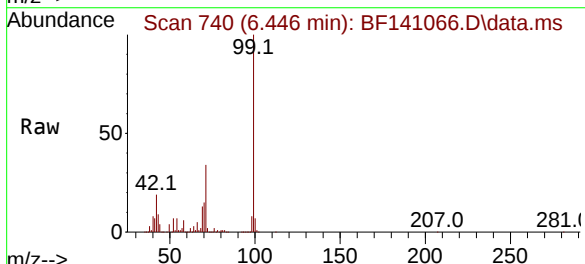
Instrument :
BNA_F
ClientSampleId :
PB165934TB

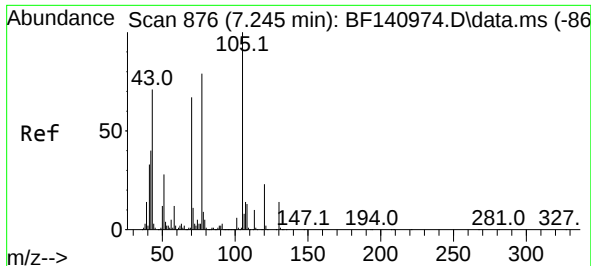
Tgt Ion: 99 Resp: 2588252
Ion Ratio Lower Upper
99 100
42 18.9 15.0 22.4
71 34.3 26.2 39.2



#9
Benzaldehyde
Concen: Below Cal
RT: 6.446 min Scan# 740
Delta R.T. 0.071 min
Lab File: BF141066.D
Acq: 03 Jan 2025 14:30

Tgt Ion: 77 Resp: 4228
Ion Ratio Lower Upper
77 100
105 0.0 76.2 116.2#
106 0.0 73.4 113.4#

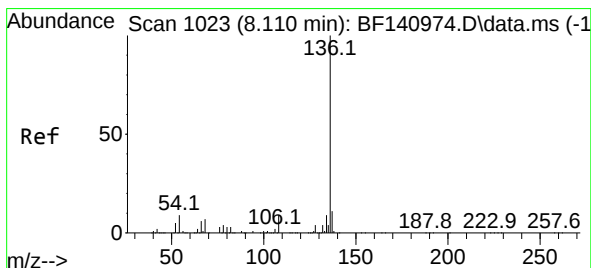
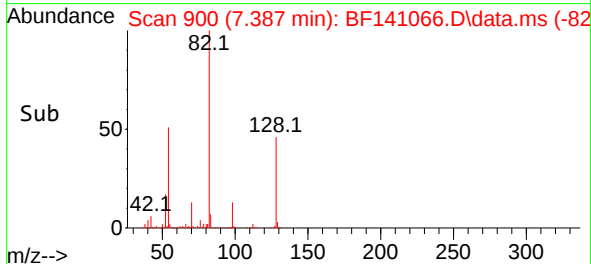
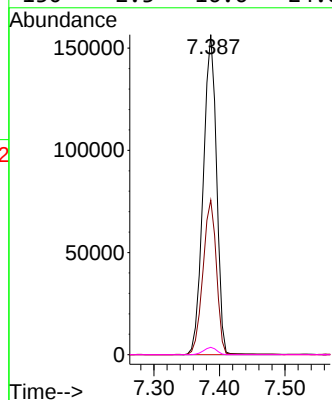
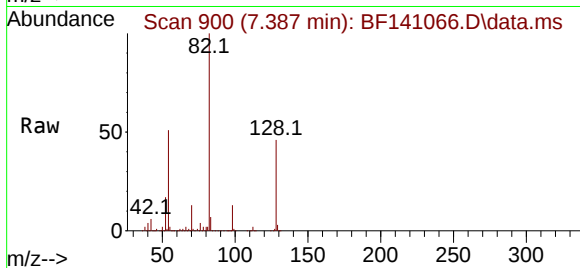




#19
n-Nitroso-di-n-propylamine
Concen: 17.513 ng
RT: 7.387 min Scan# 90
Delta R.T. 0.141 min
Lab File: BF141066.D
Acq: 03 Jan 2025 14:30

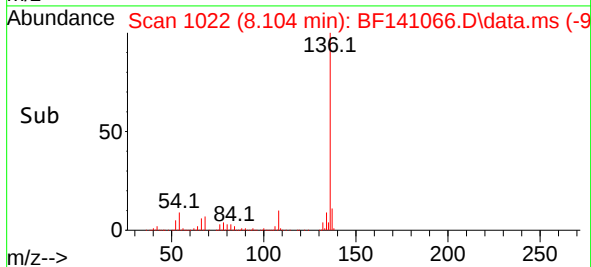
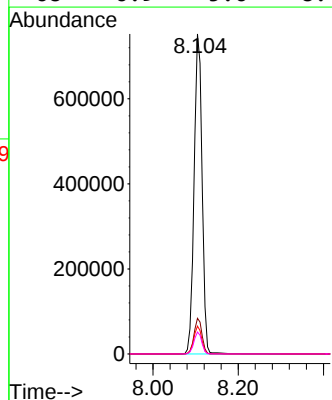
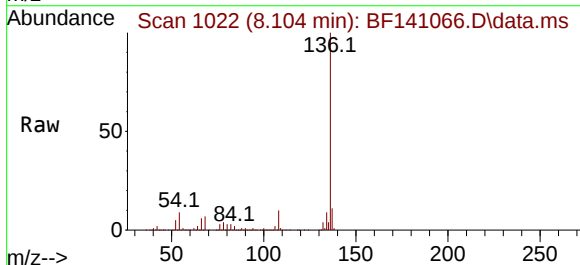
Instrument :
BNA_F
ClientSampleId :
PB165934TB

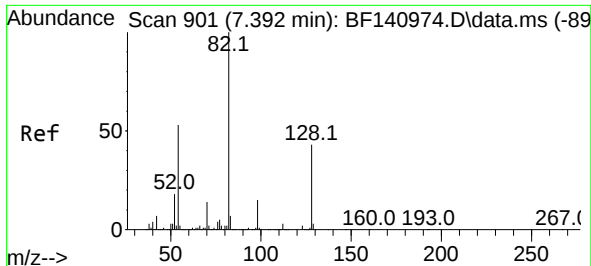
Tgt Ion: 70 Resp: 222657
Ion Ratio Lower Upper
70 100
42 48.3 48.1 72.1
101 0.0 7.6 11.4#
130 2.3 16.6 24.8#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.104 min Scan# 1022
Delta R.T. -0.006 min
Lab File: BF141066.D
Acq: 03 Jan 2025 14:30

Tgt Ion: 136 Resp: 976940
Ion Ratio Lower Upper
136 100
137 11.2 9.0 13.4
54 8.7 7.6 11.4
68 6.9 5.6 8.4

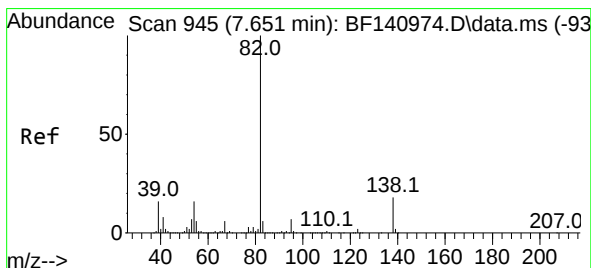
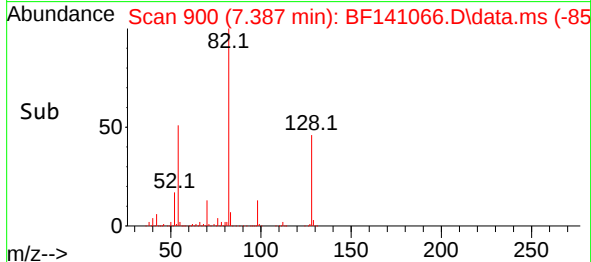
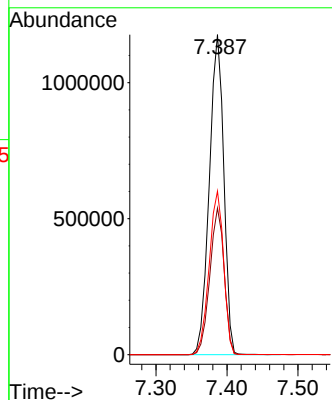
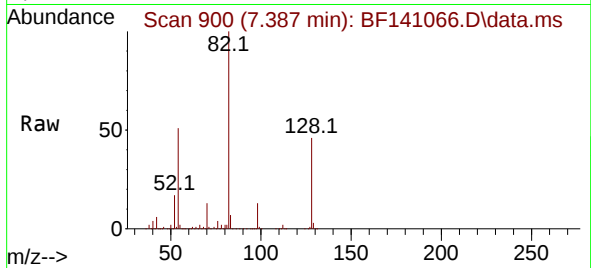




#23
Nitrobenzene-d5
Concen: 109.275 ng
RT: 7.387 min Scan# 900
Delta R.T. -0.006 min
Lab File: BF141066.D
Acq: 03 Jan 2025 14:30

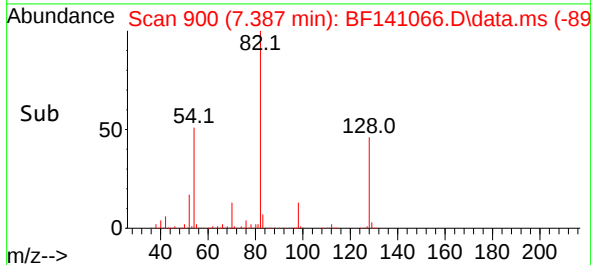
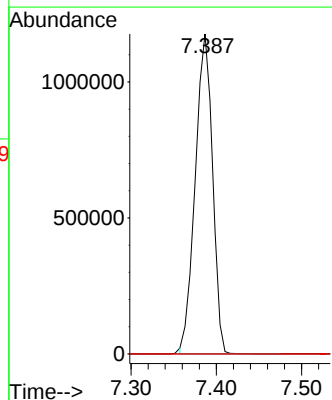
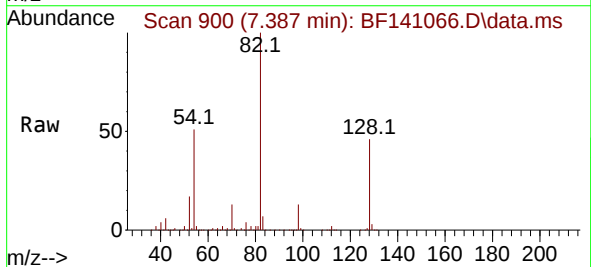
Instrument :
BNA_F
ClientSampleId :
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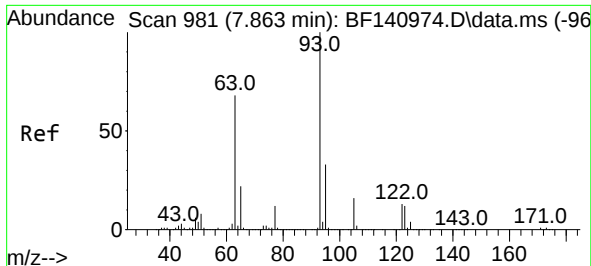
Tgt Ion: 82 Resp: 1668618
Ion Ratio Lower Upper
82 100
128 45.8 34.4 51.6
54 51.1 42.4 63.6



#25
Isophorone
Concen: 49.798 ng
RT: 7.387 min Scan# 900
Delta R.T. -0.265 min
Lab File: BF141066.D
Acq: 03 Jan 2025 14:30

Tgt Ion: 82 Resp: 1654691
Ion Ratio Lower Upper
82 100
95 0.0 5.6 8.4#
138 0.0 14.6 21.8#

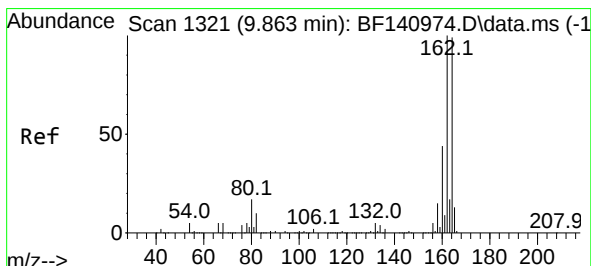
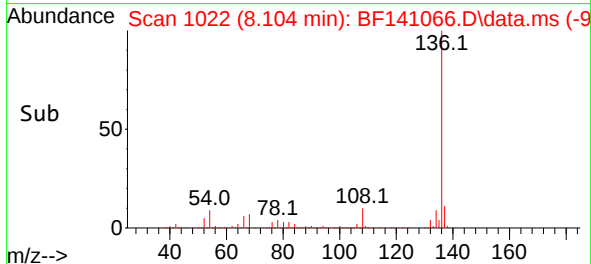
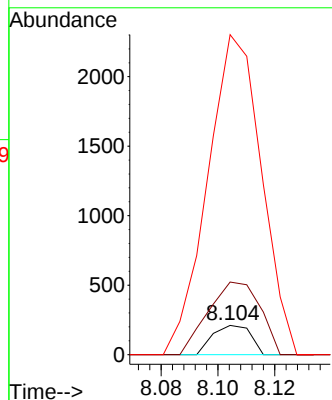
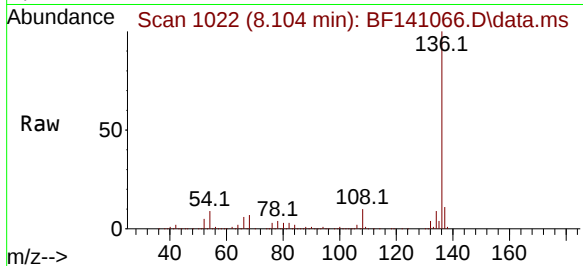




#32
Benzoic acid
Concen: 7.709 ng
RT: 8.104 min Scan# 1022
Delta R.T. 0.241 min
Lab File: BF141066.D
Acq: 03 Jan 2025 14:30

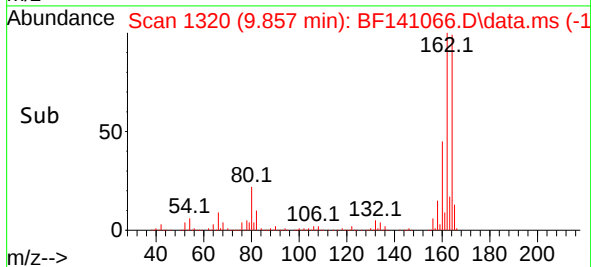
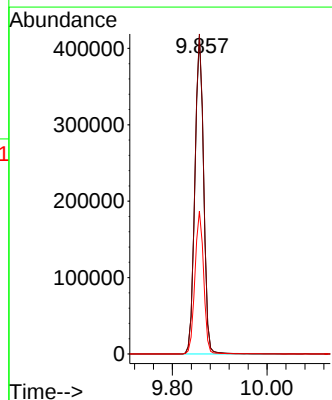
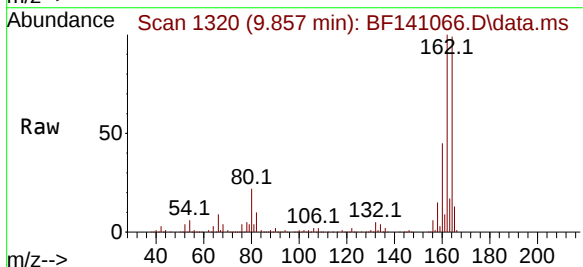
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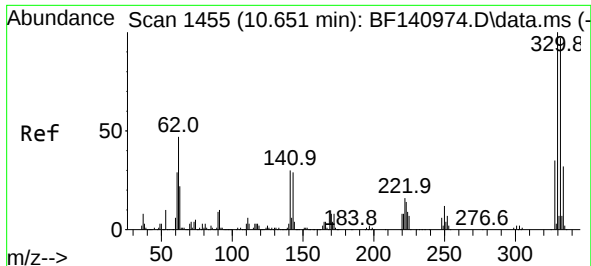
Tgt Ion:122 Resp: 196
Ion Ratio Lower Upper
122 100
105 247.9 105.4 145.4#
77 1091.0 76.4 116.4#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.857 min Scan# 1320
Delta R.T. -0.006 min
Lab File: BF141066.D
Acq: 03 Jan 2025 14:30

Tgt Ion:164 Resp: 530542
Ion Ratio Lower Upper
164 100
162 100.8 80.6 120.8
160 44.9 35.7 53.5





#42

2,4,6-Tribromophenol

Concen: 151.851 ng

RT: 10.645 min Scan# 1455

Delta R.T. -0.006 min

Lab File: BF141066.D

Acq: 03 Jan 2025 14:30

Instrument :

BNA_F

ClientSampleId :

PB165934TB

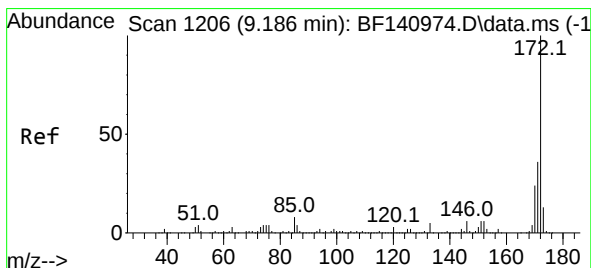
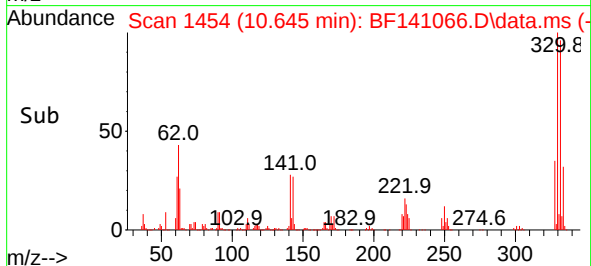
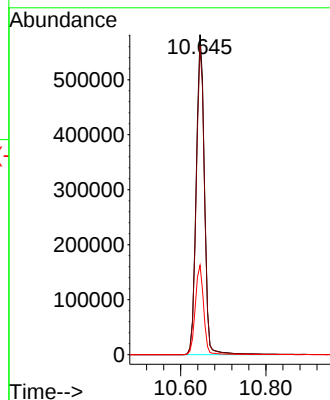
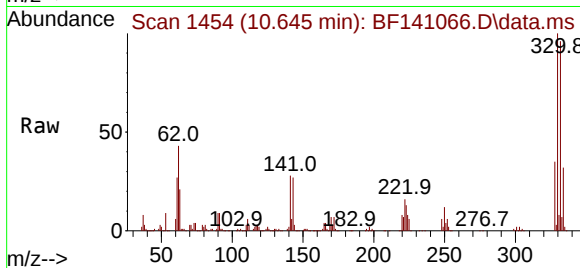
Tgt Ion:330 Resp: 782839

Ion Ratio Lower Upper

330 100

332 96.6 78.0 117.0

141 28.5 26.4 39.6



#45

2-Fluorobiphenyl

Concen: 88.028 ng

RT: 9.181 min Scan# 1205

Delta R.T. -0.006 min

Lab File: BF141066.D

Acq: 03 Jan 2025 14:30

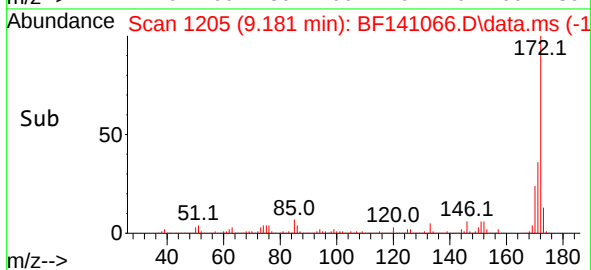
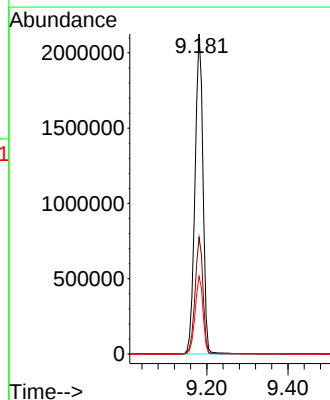
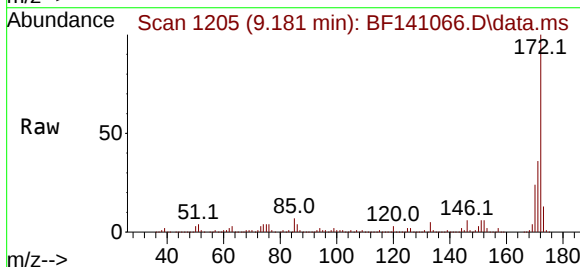
Tgt Ion:172 Resp: 2931300

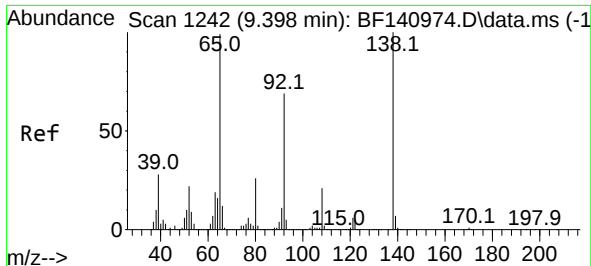
Ion Ratio Lower Upper

172 100

171 36.5 29.0 43.4

170 24.3 19.6 29.4

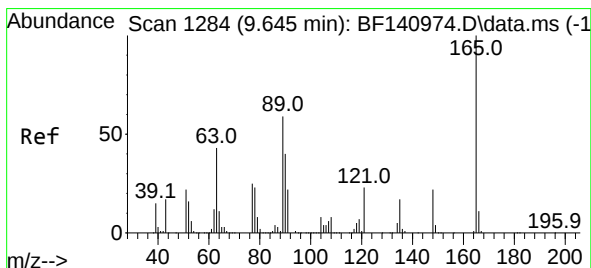
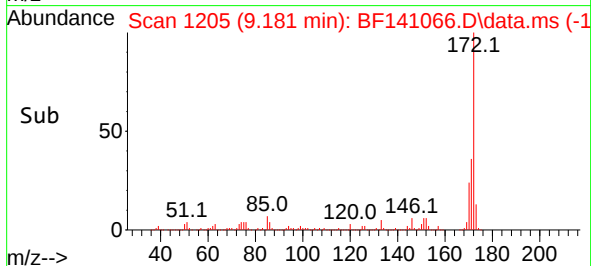
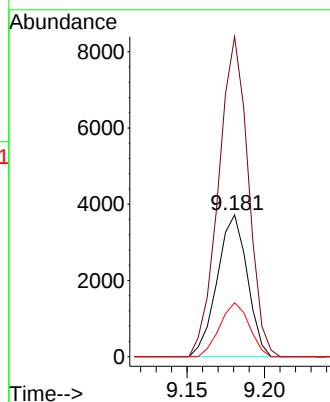
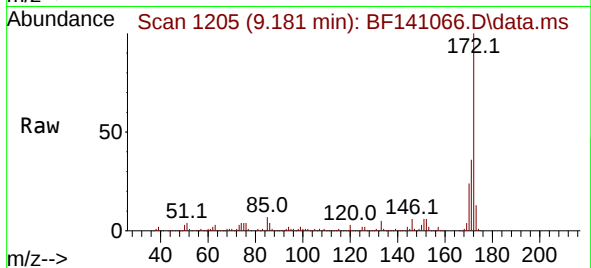




#48
2-Nitroaniline
Concen: 5.194 ng
RT: 9.181 min Scan# 11
Delta R.T. -0.217 min
Lab File: BF141066.D
Acq: 03 Jan 2025 14:30

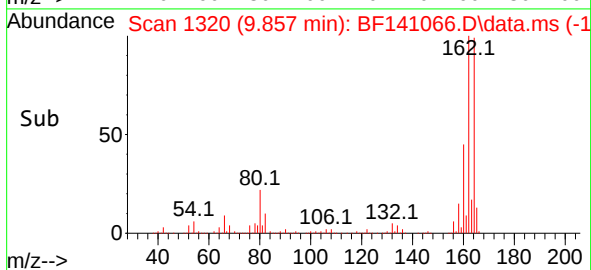
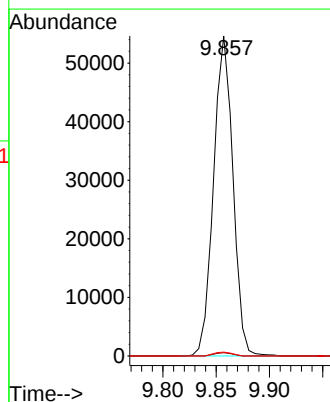
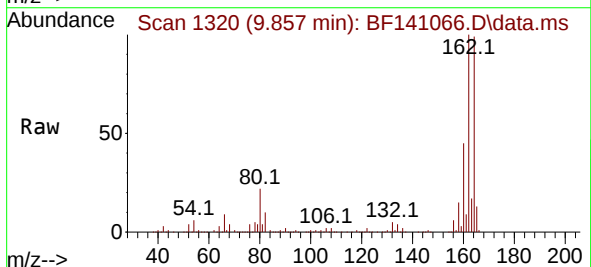
Instrument :
BNA_F
ClientSampleId :
PB165934TB

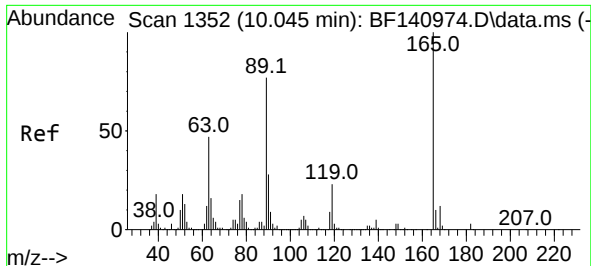
Tgt Ion: 65 Resp: 5017
Ion Ratio Lower Upper
65 100
92 225.8 55.6 83.4#
138 38.0 80.5 120.7#



#51
2,6-Dinitrotoluene
Concen: 12.621 ng
RT: 9.857 min Scan# 1320
Delta R.T. 0.212 min
Lab File: BF141066.D
Acq: 03 Jan 2025 14:30

Tgt Ion: 165 Resp: 69071
Ion Ratio Lower Upper
165 100
63 1.0 47.1 70.7#
89 1.2 47.0 70.4#

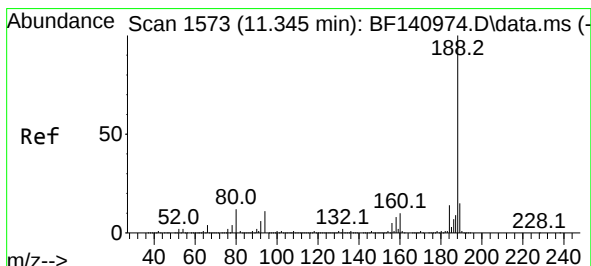
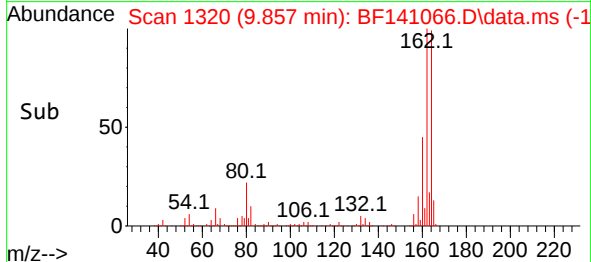
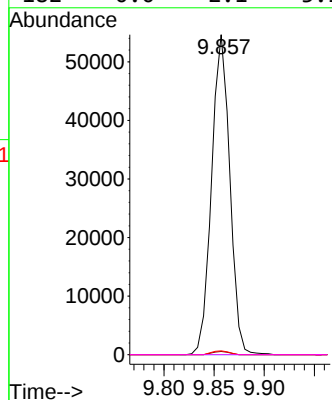
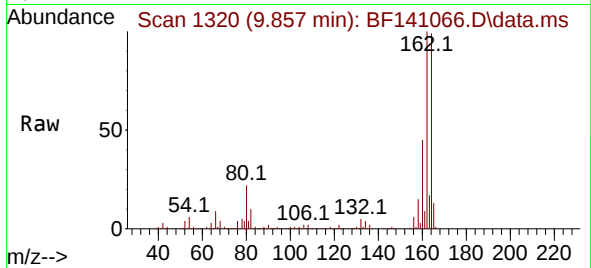




#57
2,4-Dinitrotoluene
Concen: 11.687 ng
RT: 9.857 min Scan# 11
Delta R.T. -0.188 min
Lab File: BF141066.D
Acq: 03 Jan 2025 14:30

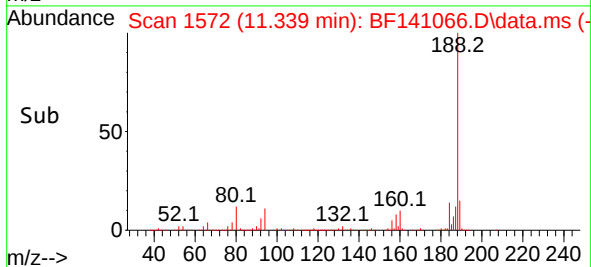
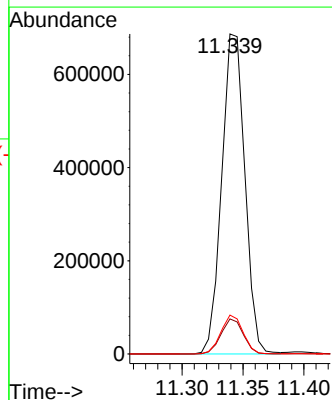
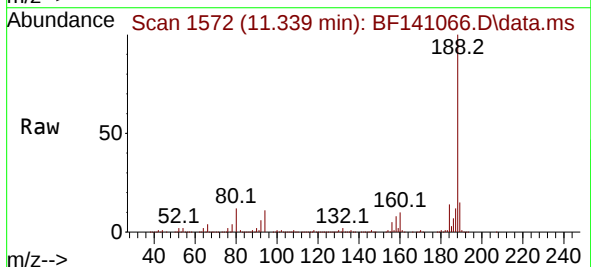
Instrument :
BNA_F
ClientSampleId :
PB165934TB

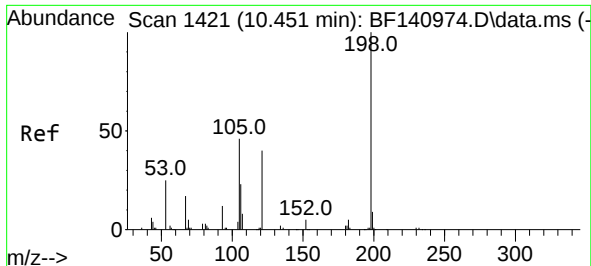
Tgt Ion:165 Resp: 69071
Ion Ratio Lower Upper
165 100
63 1.0 38.1 57.1#
89 1.2 61.4 92.2#
182 0.0 2.1 3.1#



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.339 min Scan# 1572
Delta R.T. -0.006 min
Lab File: BF141066.D
Acq: 03 Jan 2025 14:30

Tgt Ion:188 Resp: 908726
Ion Ratio Lower Upper
188 100
94 11.0 9.0 13.6
80 12.1 9.8 14.6

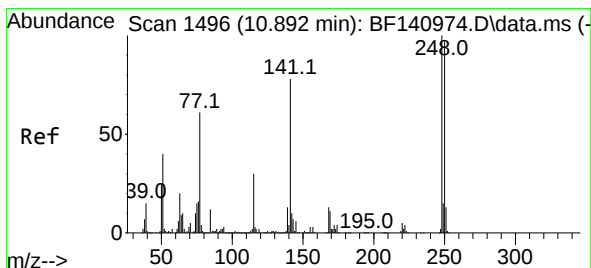
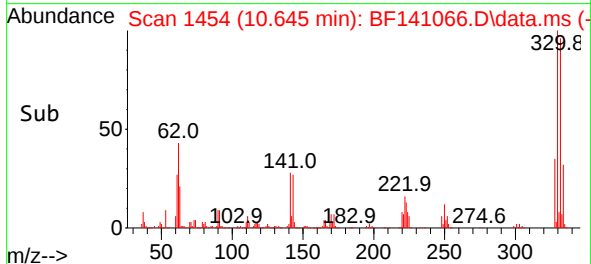
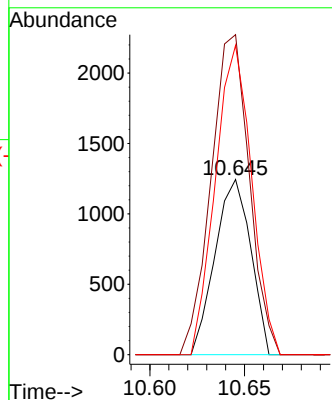
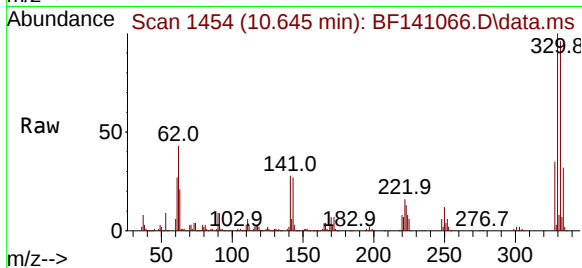




#65
4,6-Dinitro-2-methylphenol
Concen: 9.706 ng
RT: 10.645 min Scan# 1421
Delta R.T. 0.194 min
Lab File: BF141066.D
Acq: 03 Jan 2025 14:30

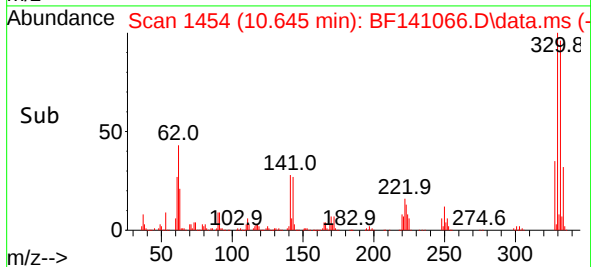
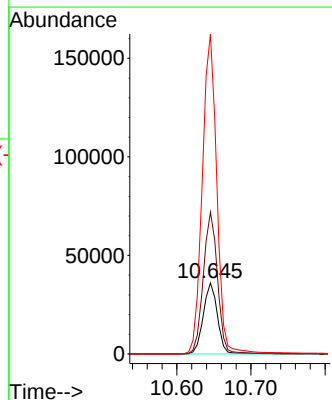
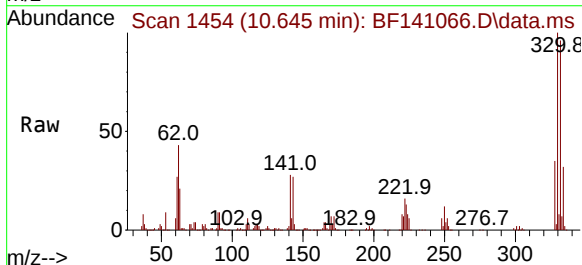
Instrument :
BNA_F
ClientSampleId :
PB165934TB

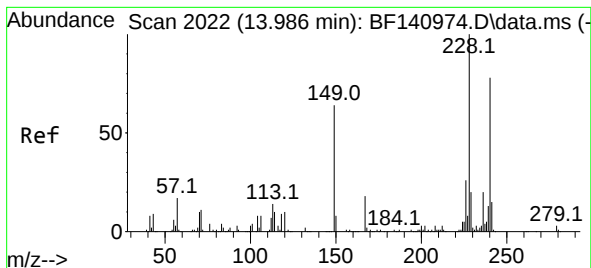
Tgt Ion:198 Resp: 1632
Ion Ratio Lower Upper
198 100
51 182.6 32.3 72.3#
105 176.5 28.4 68.4#



#67
4-Bromophenyl-phenylether
Concen: 4.881 ng
RT: 10.645 min Scan# 1454
Delta R.T. -0.247 min
Lab File: BF141066.D
Acq: 03 Jan 2025 14:30

Tgt Ion:248 Resp: 47947
Ion Ratio Lower Upper
248 100
250 199.6 77.7 116.5#
141 450.7 62.1 93.1#





#76

Chrysene-d12

Concen: 20.000 ng

RT: 13.980 min Scan# 2022

Delta R.T. -0.006 min

Lab File: BF141066.D

Acq: 03 Jan 2025 14:30

Instrument :

BNA_F

ClientSampleId :

PB165934TB

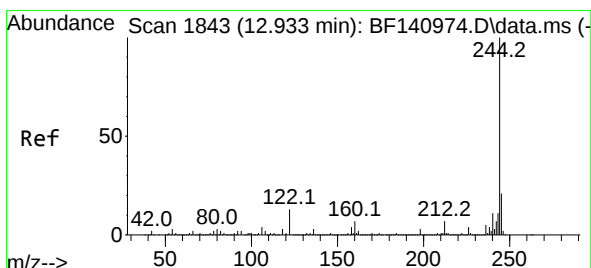
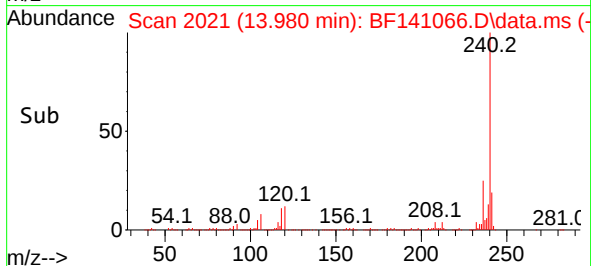
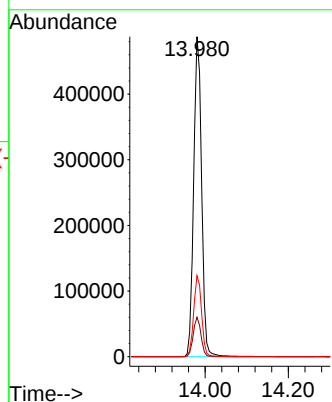
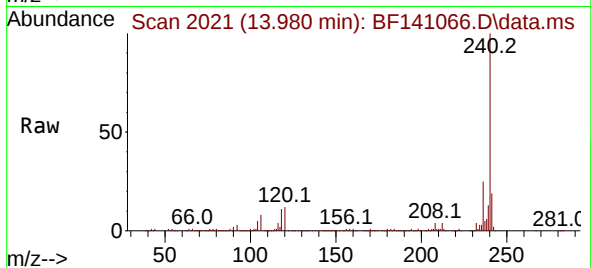
Tgt Ion:240 Resp: 646715

Ion Ratio Lower Upper

240 100

120 12.3 10.7 16.1

236 25.3 20.6 31.0



#79

Terphenyl-d14

Concen: 88.209 ng

RT: 12.933 min Scan# 1843

Delta R.T. 0.000 min

Lab File: BF141066.D

Acq: 03 Jan 2025 14:30

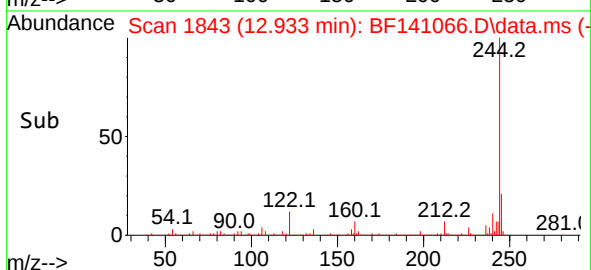
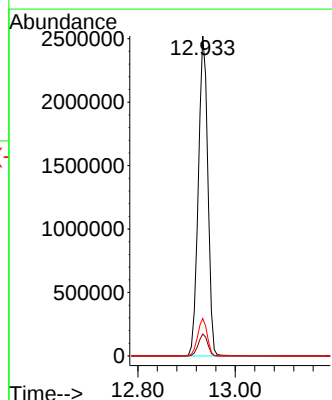
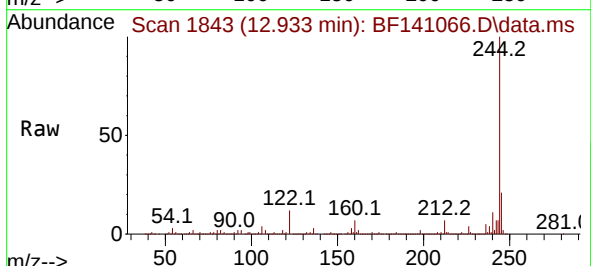
Tgt Ion:244 Resp: 3434468

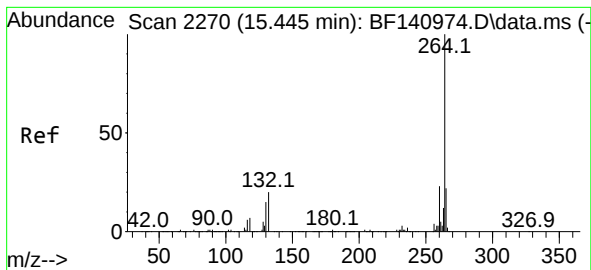
Ion Ratio Lower Upper

244 100

212 6.9 5.7 8.5

122 11.7 10.2 15.2





#86
Perylene-d12
Concen: 20.000 ng
RT: 15.451 min Scan# 21
Delta R.T. 0.006 min
Lab File: BF141066.D
Acq: 03 Jan 2025 14:30

Instrument :
BNA_F
ClientSampleId :
PB165934TB

Tgt Ion:264 Resp: 507673
Ion Ratio Lower Upper
264 100
260 23.1 18.7 28.1
265 21.0 17.4 26.2

