

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF012725\
 Data File : BF141270.D
 Acq On : 27 Jan 2025 14:11
 Operator : RC/JU
 Sample : Q1187-01
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SP-COMP

Quant Time: Jan 27 14:32:43 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF011025.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Jan 10 22:54:19 2025
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.804	152	140751	20.000	ng	-0.02
21) Naphthalene-d8	8.086	136	555938	20.000	ng	-0.02
39) Acenaphthene-d10	9.839	164	287866	20.000	ng	-0.02
64) Phenanthrene-d10	11.327	188	465072	20.000	ng	-0.02
76) Chrysene-d12	13.968	240	367579	20.000	ng	-0.02
86) Perylene-d12	15.433	264	386017	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.422	112	1104260	121.197	ng	0.00
7) Phenol-d6	6.434	99	1373013	118.965	ng	-0.01
23) Nitrobenzene-d5	7.363	82	881229	84.025	ng	-0.02
42) 2,4,6-Tribromophenol	10.633	330	386108	117.714	ng	-0.02
45) 2-Fluorobiphenyl	9.163	172	1626873	86.301	ng	-0.02
79) Terphenyl-d14	12.921	244	1733847	70.108	ng	-0.01
Target Compounds						
						Qvalue
19) n-Nitroso-di-n-propyla...	7.363	70	119850	17.629	ng	# 75
25) Isophorone	7.363	82	874486	48.791	ng	# 65
51) 2,6-Dinitrotoluene	9.839	165	37456	8.335	ng	# 27
57) 2,4-Dinitrotoluene	9.839	165	37456	6.467	ng	# 24
63) Azobenzene	10.557	77	106508	5.721	ng	# 1
67) 4-Bromophenyl-phenylether	10.628	248	23168	4.327	ng	# 1
77) Benzidine	12.921	184	21801	3.198	ng	# 91
88) Benzo(b)fluoranthene	15.010	252	49871	2.004	ng	# 95
89) Benzo(k)fluoranthene	15.010	252	49871	2.371	ng	# 95

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

Instrument :

BNA F

ClientSampleId :

SP-COMP

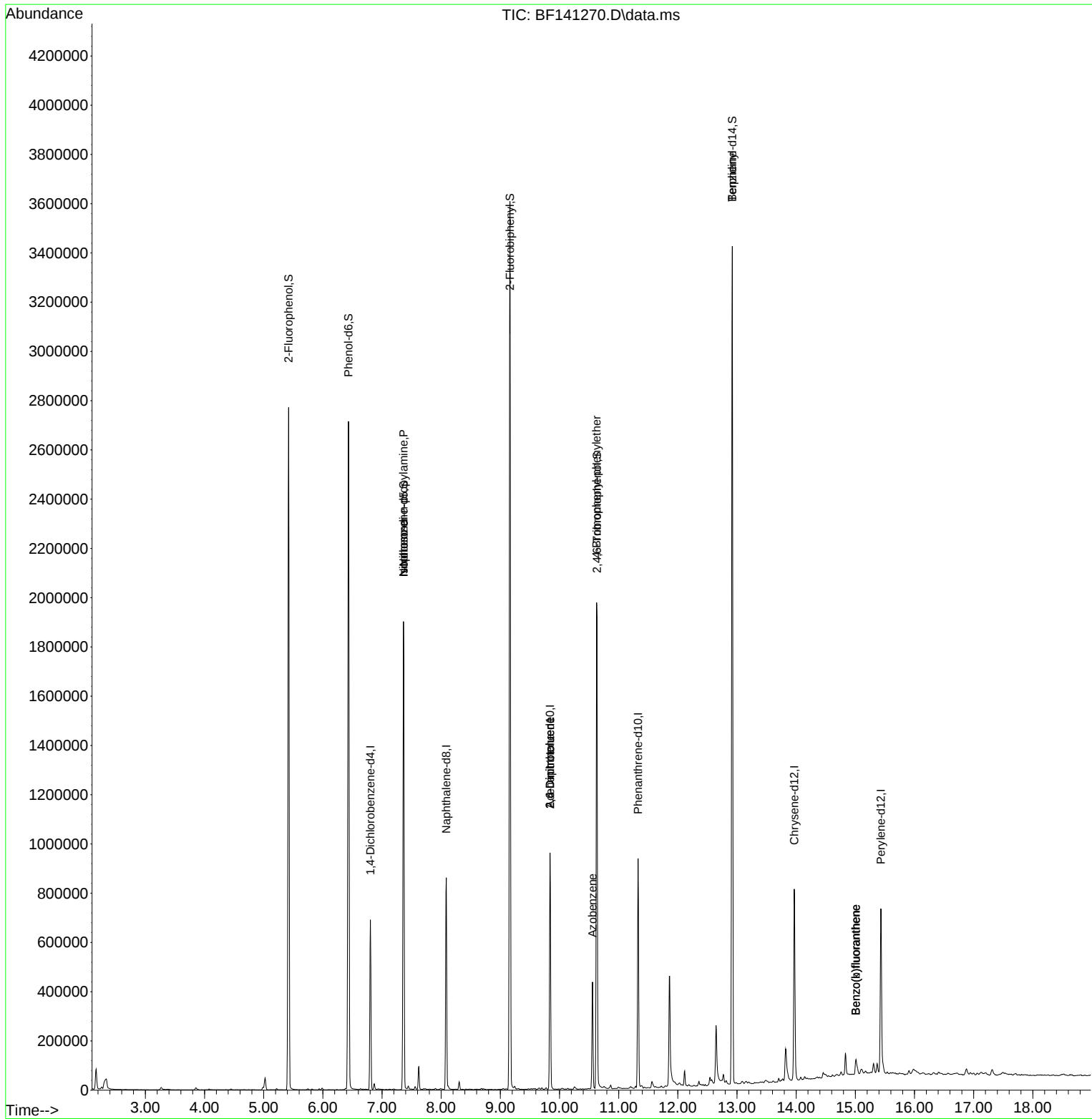
Quant Time: Jan 27 14:32:43 2025

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF011025.M

Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

QLast Update : Fri Jan 10 22:54:19 2025

Response via : Initial Calibration

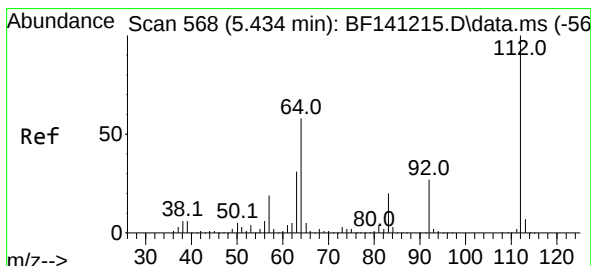
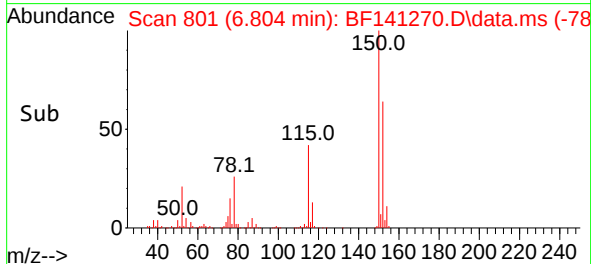
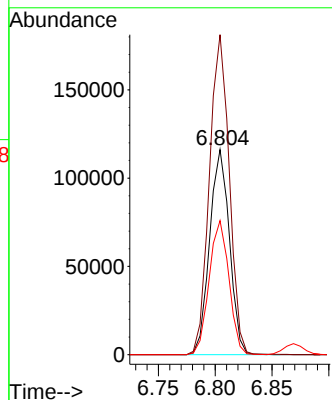
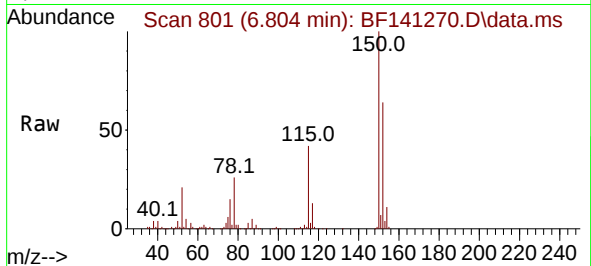




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.804 min Scan# 801
Delta R.T. -0.018 min
Lab File: BF141270.D
Acq: 27 Jan 2025 14:11

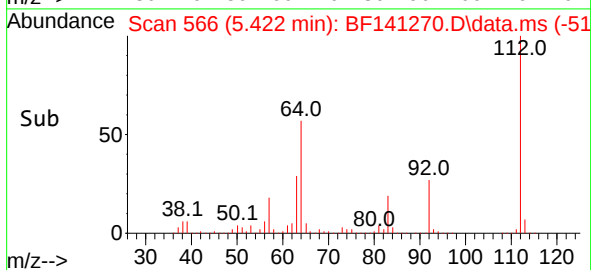
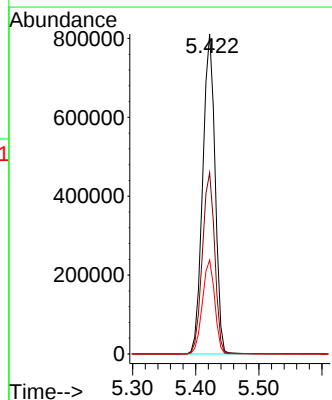
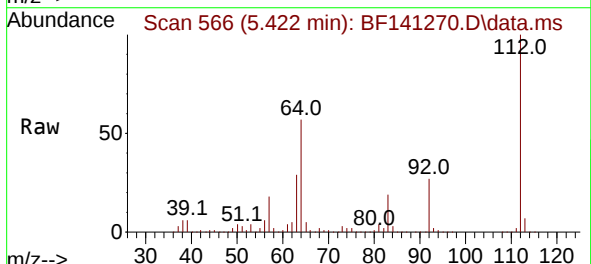
Instrument :
BNA_F
ClientSampleId :
SP-COMP

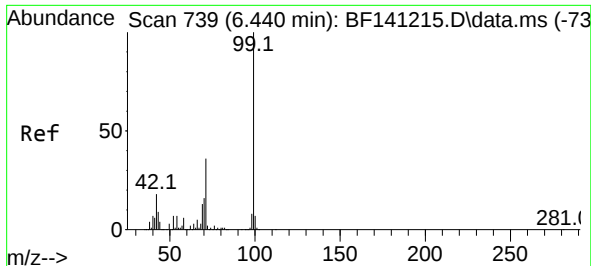
Tgt Ion:152 Resp: 140751
Ion Ratio Lower Upper
152 100
150 155.9 125.8 188.8
115 65.3 51.4 77.2



#5
2-Fluorophenol
Concen: 121.197 ng
RT: 5.422 min Scan# 566
Delta R.T. -0.006 min
Lab File: BF141270.D
Acq: 27 Jan 2025 14:11

Tgt Ion:112 Resp: 1104260
Ion Ratio Lower Upper
112 100
64 56.6 47.3 70.9
63 29.3 24.2 36.2



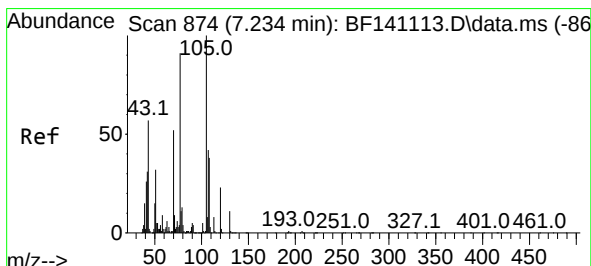
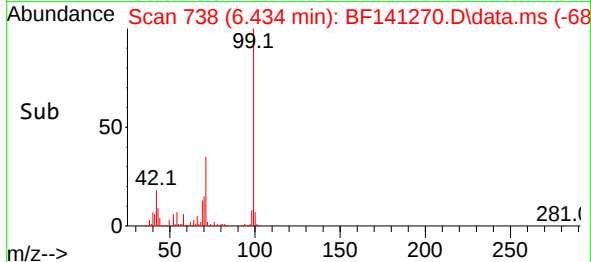
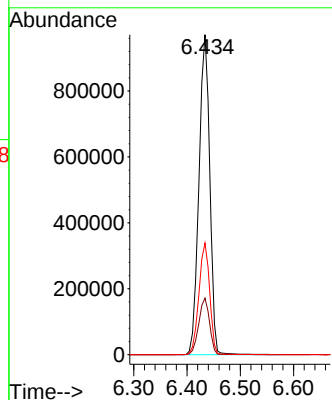
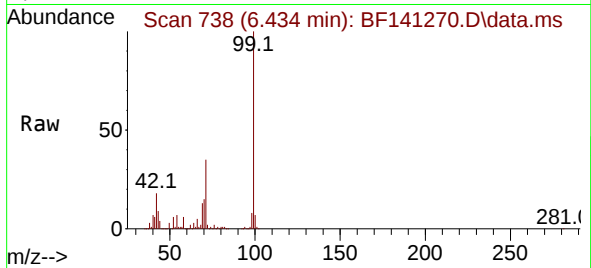


#7
Phenol-d6
Concen: 118.965 ng
RT: 6.434 min Scan# 71
Delta R.T. -0.012 min
Lab File: BF141270.D
Acq: 27 Jan 2025 14:11

Instrument :
BNA_F
ClientSampleId :
SP-COMP

Tgt Ion: 99 Resp: 1373013

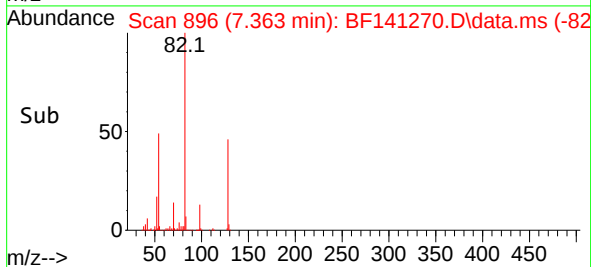
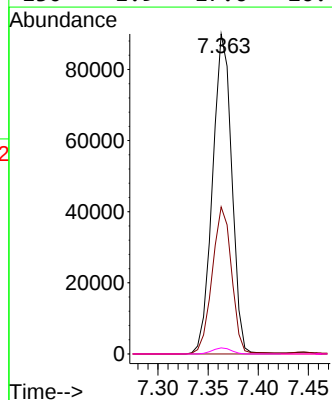
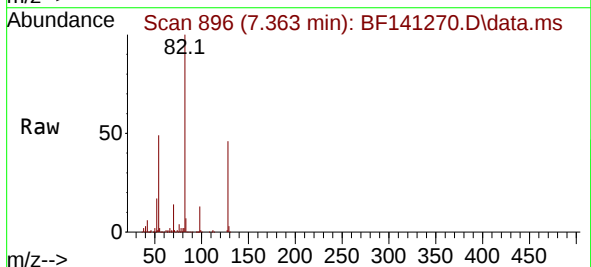
Ion	Ratio	Lower	Upper
99	100		
42	17.6	15.0	22.4
71	34.9	27.6	41.4

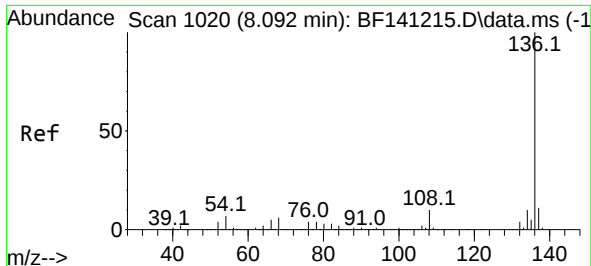


#19
n-Nitroso-di-n-propylamine
Concen: 17.629 ng
RT: 7.363 min Scan# 896
Delta R.T. 0.129 min
Lab File: BF141270.D
Acq: 27 Jan 2025 14:11

Tgt Ion: 70 Resp: 119850

Ion	Ratio	Lower	Upper
70	100		
42	46.0	47.8	71.6#
101	0.0	7.9	11.9#
130	1.9	17.6	26.4#

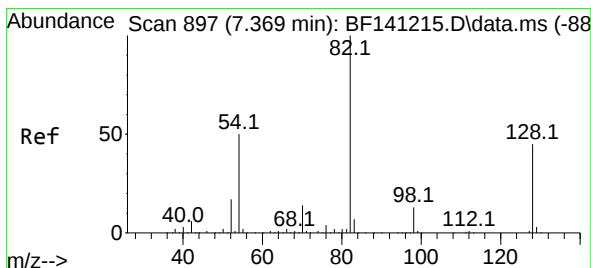
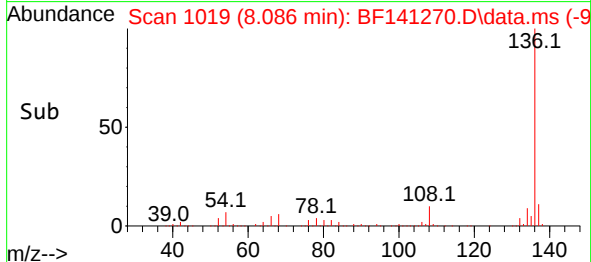
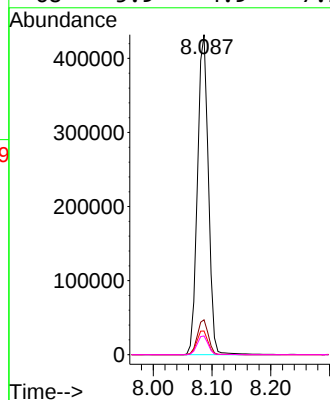
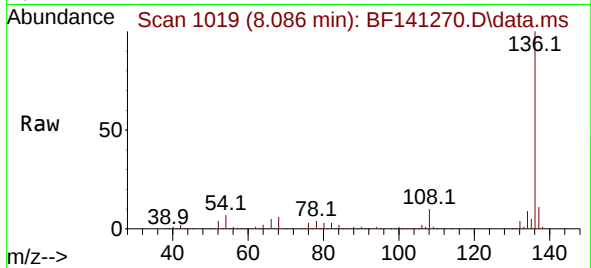




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.086 min Scan# 1019
Delta R.T. -0.018 min
Lab File: BF141270.D
Acq: 27 Jan 2025 14:11

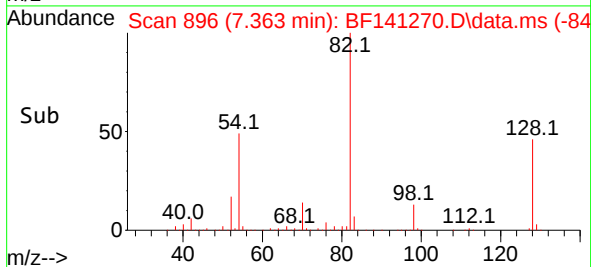
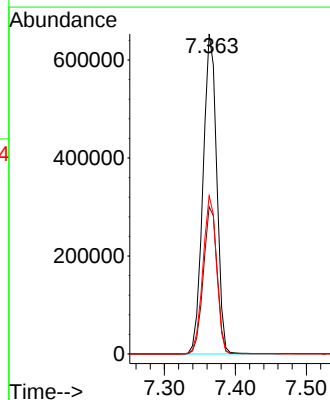
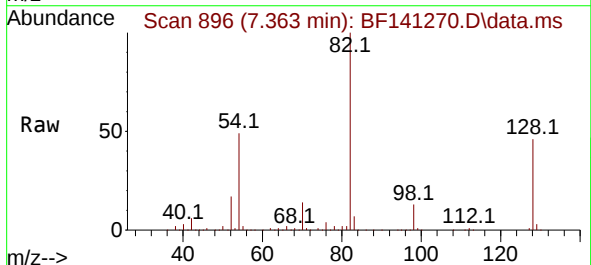
Instrument :
BNA_F
ClientSampleId :
SP-COMP

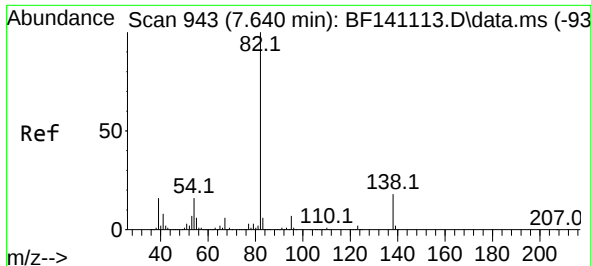
Tgt Ion:136 Resp: 555938
Ion Ratio Lower Upper
136 100
137 10.9 8.8 13.2
54 7.4 6.3 9.5
68 5.9 4.9 7.3



#23
Nitrobenzene-d5
Concen: 84.025 ng
RT: 7.363 min Scan# 896
Delta R.T. -0.024 min
Lab File: BF141270.D
Acq: 27 Jan 2025 14:11

Tgt Ion: 82 Resp: 881229
Ion Ratio Lower Upper
82 100
128 46.0 36.1 54.1
54 49.4 41.0 61.4

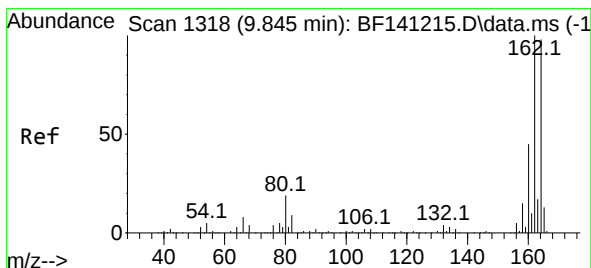
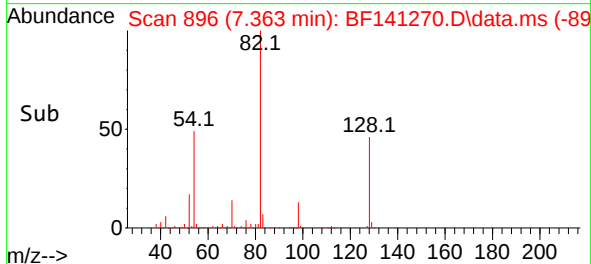
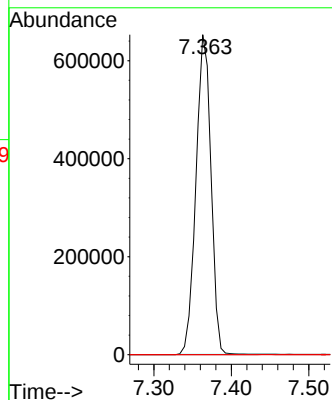
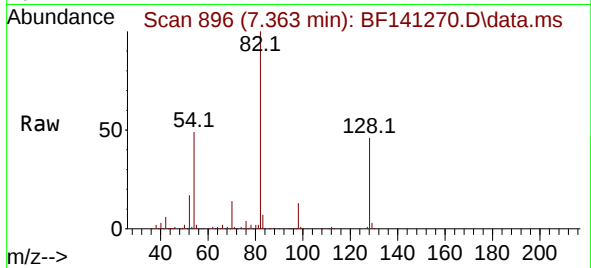




#25
Isophorone
Concen: 48.791 ng
RT: 7.363 min Scan# 896
Delta R.T. -0.276 min
Lab File: BF141270.D
Acq: 27 Jan 2025 14:11

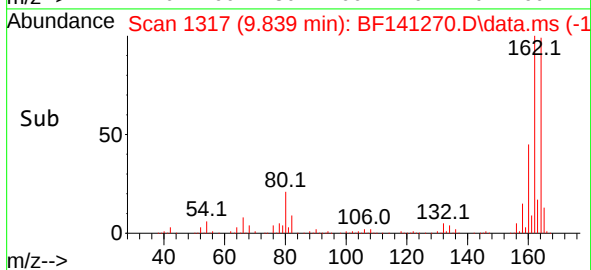
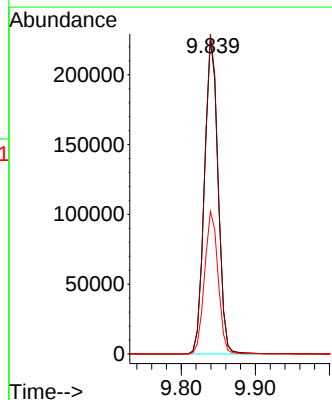
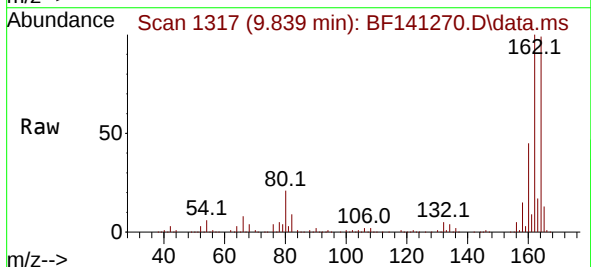
Instrument :
BNA_F
ClientSampleId :
SP-COMP

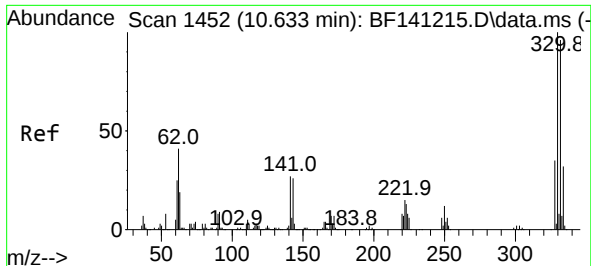
Tgt Ion: 82 Resp: 874486
Ion Ratio Lower Upper
82 100
95 0.0 5.9 8.9#
138 0.0 14.2 21.2#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.839 min Scan# 1317
Delta R.T. -0.024 min
Lab File: BF141270.D
Acq: 27 Jan 2025 14:11

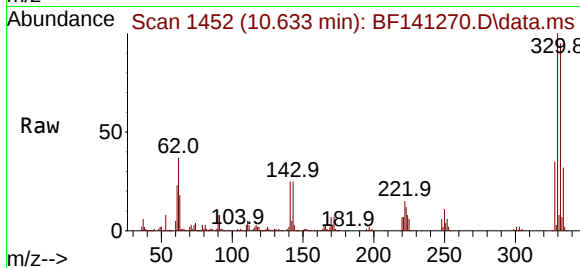
Tgt Ion:164 Resp: 287866
Ion Ratio Lower Upper
164 100
162 101.4 81.0 121.4
160 45.1 36.1 54.1



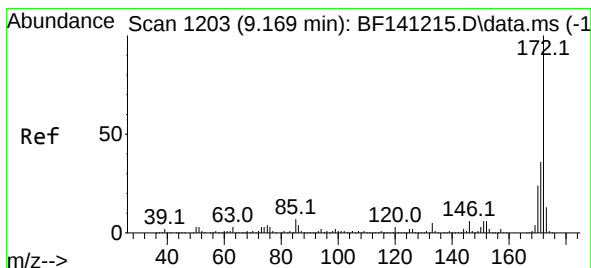
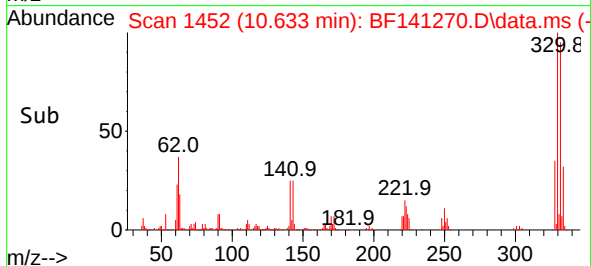
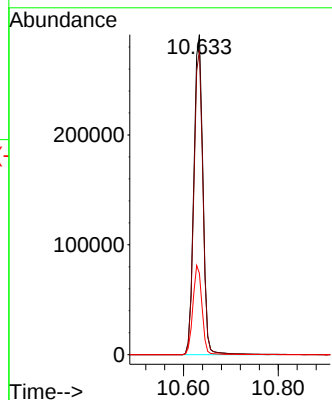


#42
 2,4,6-Tribromophenol
 Concen: 117.714 ng
 RT: 10.633 min Scan# 1452
 Delta R.T. -0.018 min
 Lab File: BF141270.D
 Acq: 27 Jan 2025 14:11

Instrument :
 BNA_F
 ClientSampleId :
 SP-COMP

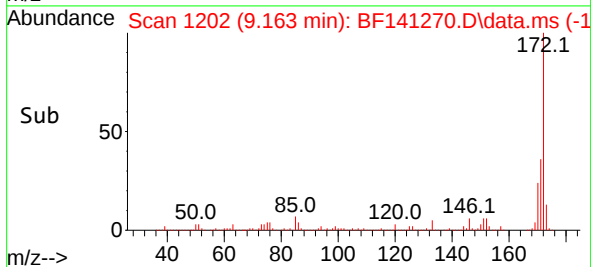
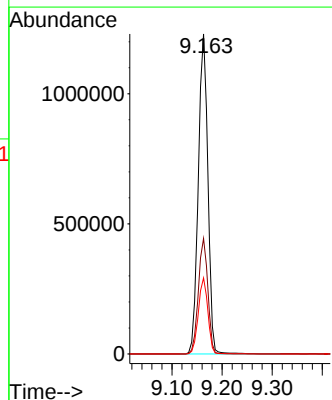
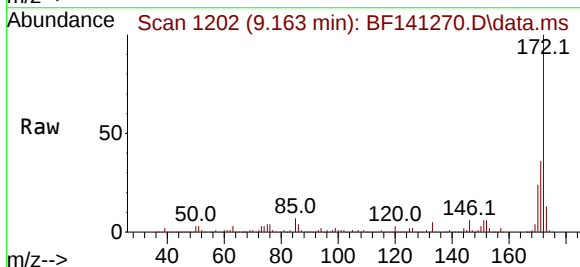


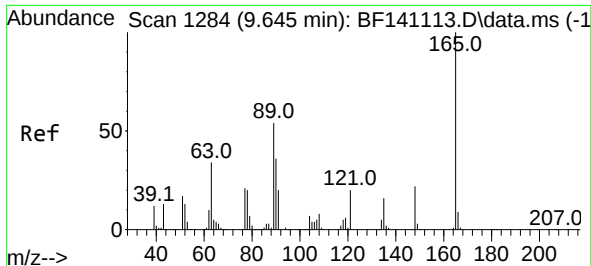
Tgt Ion:330 Resp: 386108
 Ion Ratio Lower Upper
 330 100
 332 95.1 76.9 115.3
 141 28.0 25.2 37.8



#45
 2-Fluorobiphenyl
 Concen: 86.301 ng
 RT: 9.163 min Scan# 1202
 Delta R.T. -0.018 min
 Lab File: BF141270.D
 Acq: 27 Jan 2025 14:11

Tgt Ion:172 Resp: 1626873
 Ion Ratio Lower Upper
 172 100
 171 36.1 28.7 43.1
 170 23.8 19.0 28.6

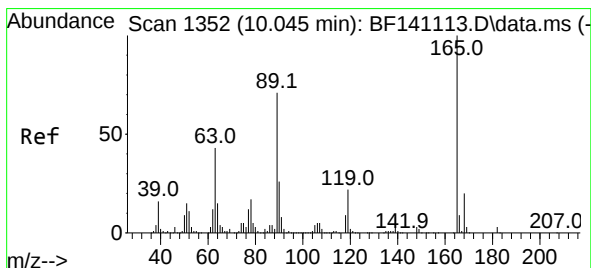
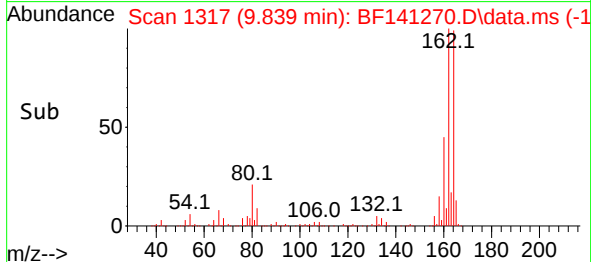
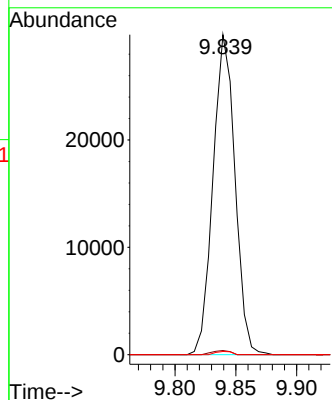
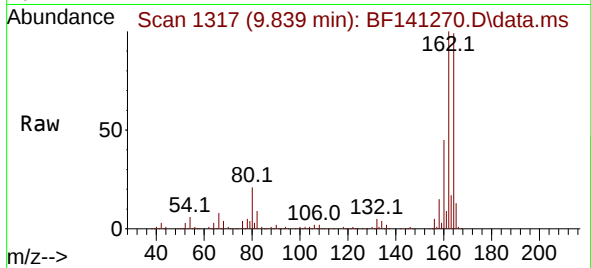




#51
2,6-Dinitrotoluene
Concen: 8.335 ng
RT: 9.839 min Scan# 11
Delta R.T. 0.194 min
Lab File: BF141270.D
Acq: 27 Jan 2025 14:11

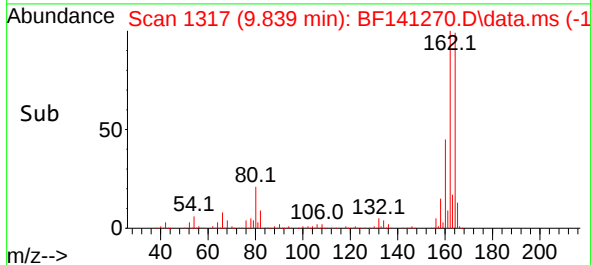
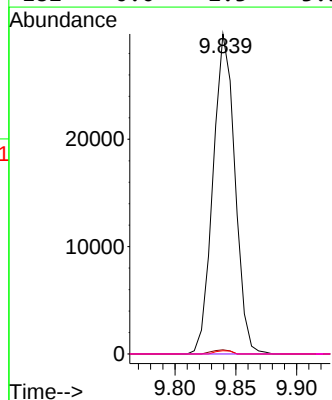
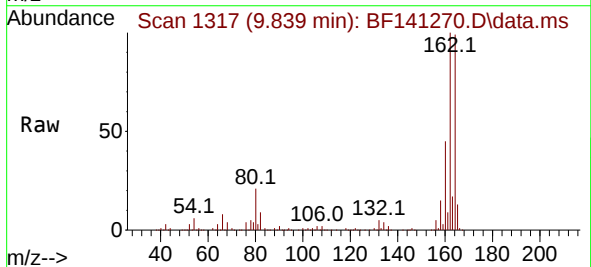
Instrument :
BNA_F
ClientSampleId :
SP-COMP

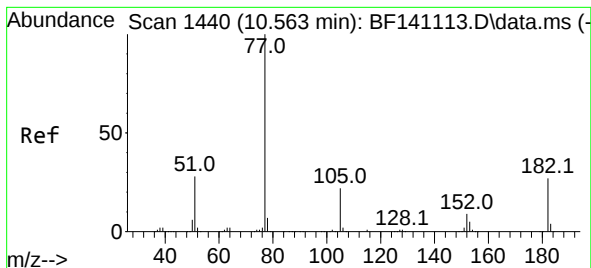
Tgt Ion:165 Resp: 37456
Ion Ratio Lower Upper
165 100
63 1.3 42.3 63.5#
89 1.0 43.1 64.7#



#57
2,4-Dinitrotoluene
Concen: 6.467 ng
RT: 9.839 min Scan# 1317
Delta R.T. -0.206 min
Lab File: BF141270.D
Acq: 27 Jan 2025 14:11

Tgt Ion:165 Resp: 37456
Ion Ratio Lower Upper
165 100
63 1.3 35.0 52.4#
89 1.0 56.7 85.1#
182 0.0 2.3 3.5#





#63

Azobenzene

Concen: 5.721 ng

RT: 10.557 min Scan# 14

Delta R.T. -0.006 min

Lab File: BF141270.D

Acq: 27 Jan 2025 14:11

Instrument :

BNA_F

ClientSampleId :

SP-COMP

Tgt Ion: 77 Resp: 106508

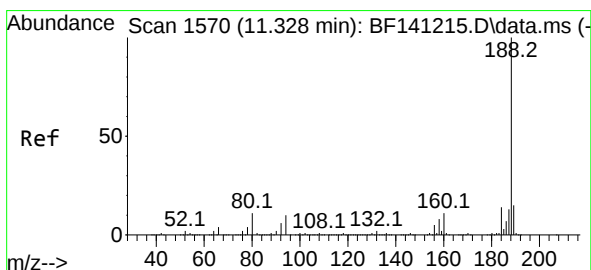
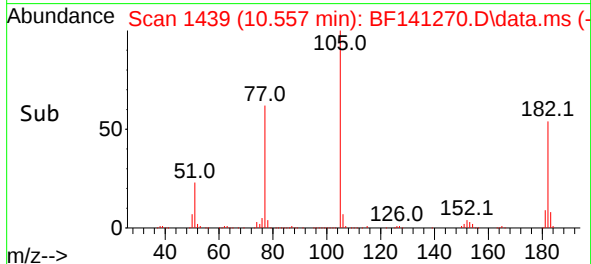
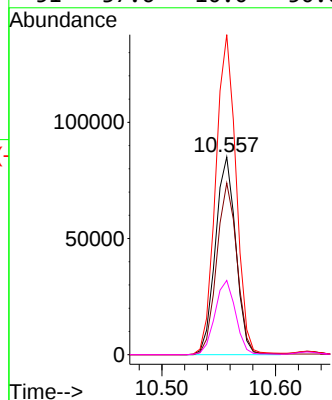
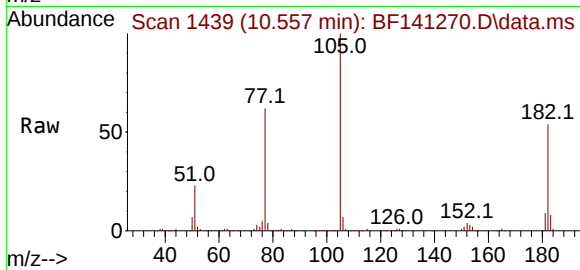
Ion Ratio Lower Upper

77 100

182 86.8 6.1 46.1#

105 161.8 2.1 42.1#

51 37.6 10.0 50.0



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.327 min Scan# 1570

Delta R.T. -0.018 min

Lab File: BF141270.D

Acq: 27 Jan 2025 14:11

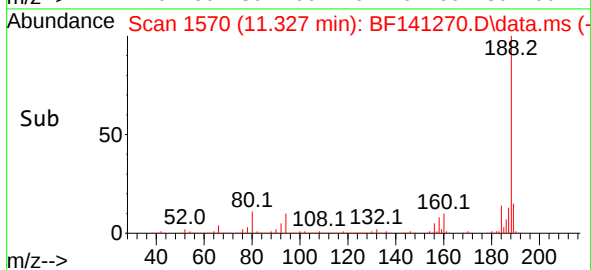
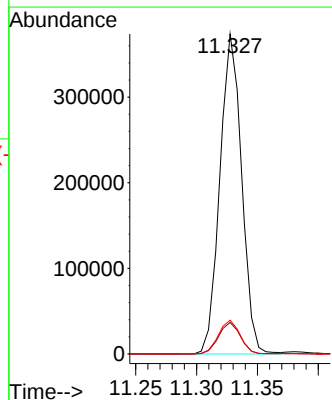
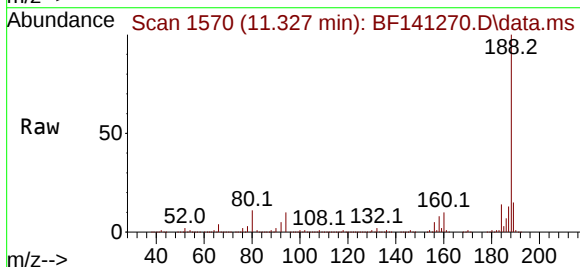
Tgt Ion: 188 Resp: 465072

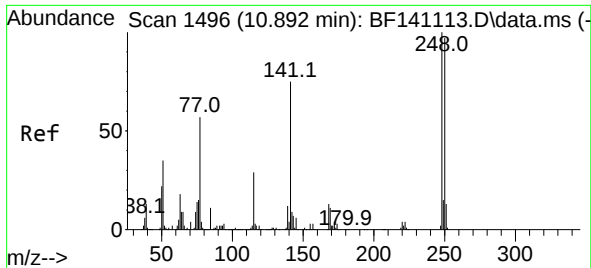
Ion Ratio Lower Upper

188 100

94 9.9 8.3 12.5

80 10.6 9.0 13.4

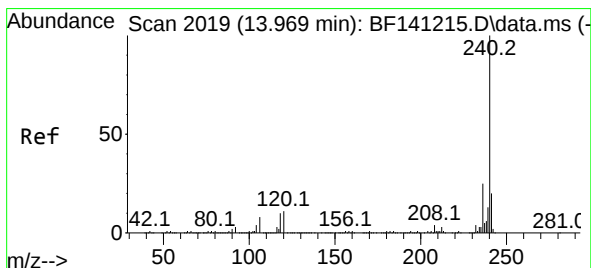
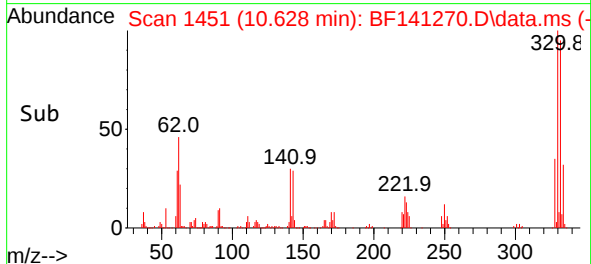
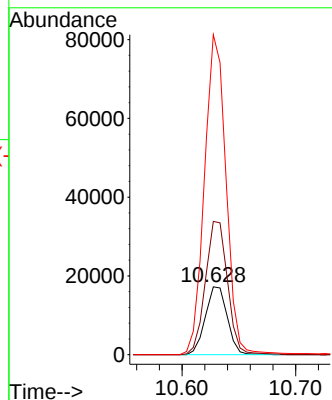
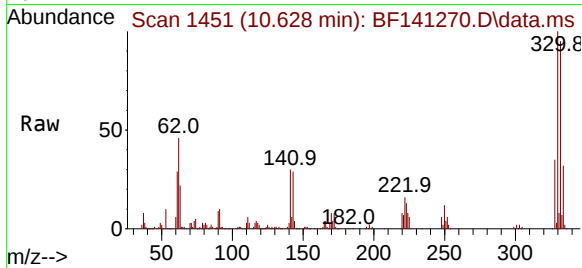




#67
4-Bromophenyl-phenylether
Concen: 4.327 ng
RT: 10.628 min Scan# 1496
Delta R.T. -0.265 min
Lab File: BF141270.D
Acq: 27 Jan 2025 14:11

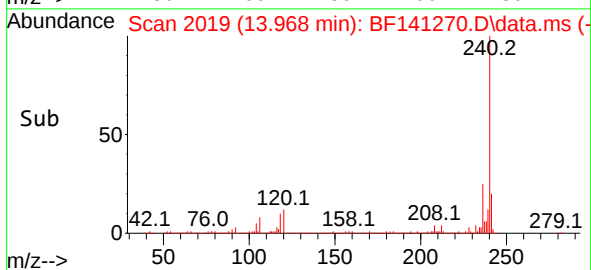
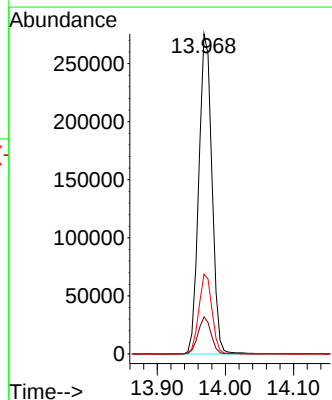
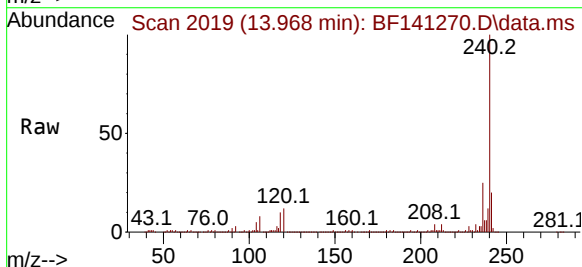
Instrument :
BNA_F
ClientSampleId :
SP-COMP

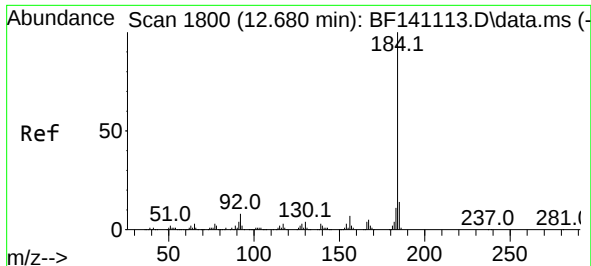
Tgt Ion:248 Resp: 23168
Ion Ratio Lower Upper
248 100
250 196.5 77.9 116.9#
141 472.0 59.9 89.9#



#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.968 min Scan# 2019
Delta R.T. -0.018 min
Lab File: BF141270.D
Acq: 27 Jan 2025 14:11

Tgt Ion:240 Resp: 367579
Ion Ratio Lower Upper
240 100
120 11.6 9.1 13.7
236 25.0 19.8 29.6

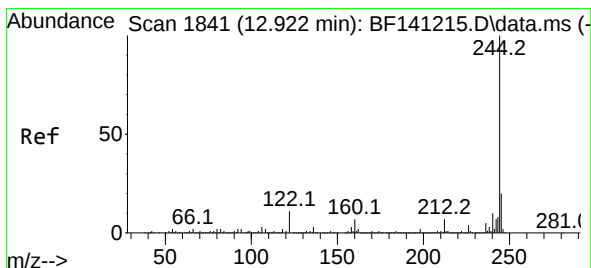
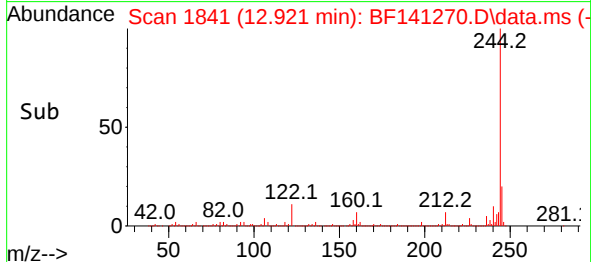
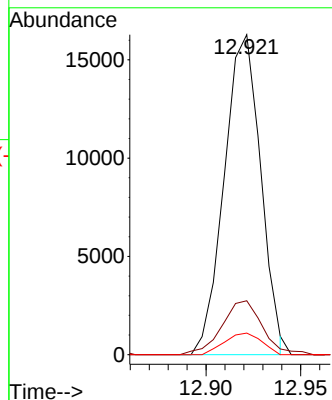
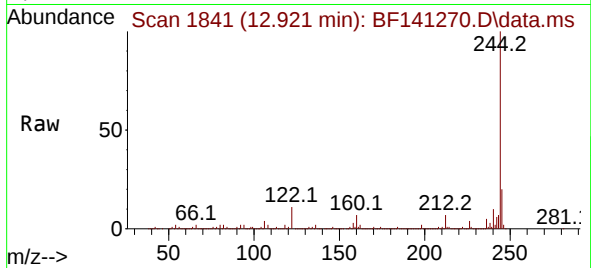




#77
Benzidine
Concen: 3.198 ng
RT: 12.921 min Scan# 1841
Delta R.T. 0.241 min
Lab File: BF141270.D
Acq: 27 Jan 2025 14:11

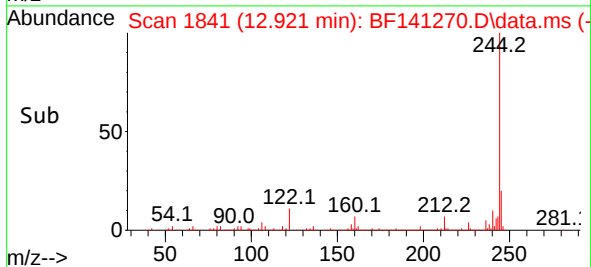
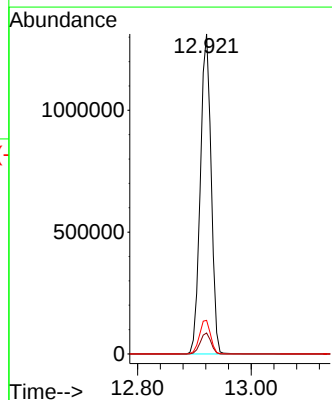
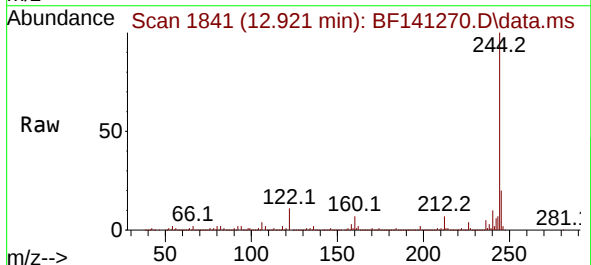
Instrument :
BNA_F
ClientSampleId :
SP-COMP

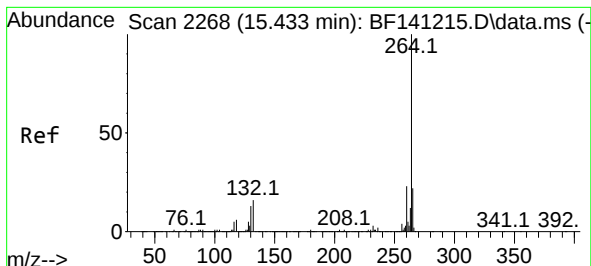
Tgt Ion:184 Resp: 21801
Ion Ratio Lower Upper
184 100
185 16.9 11.4 17.0
183 6.8 9.2 13.8#



#79
Terphenyl-d14
Concen: 70.108 ng
RT: 12.921 min Scan# 1841
Delta R.T. -0.012 min
Lab File: BF141270.D
Acq: 27 Jan 2025 14:11

Tgt Ion:244 Resp: 1733847
Ion Ratio Lower Upper
244 100
212 6.5 5.4 8.2
122 10.5 8.8 13.2



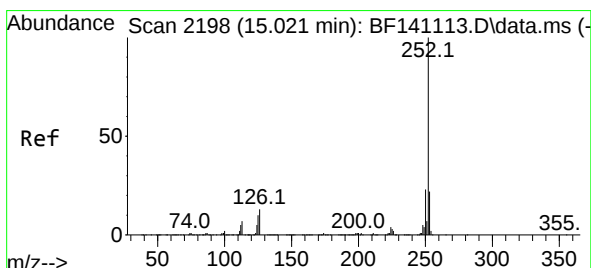
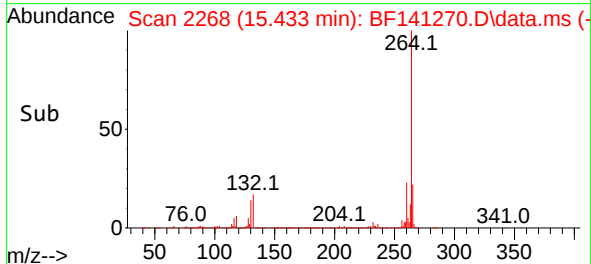
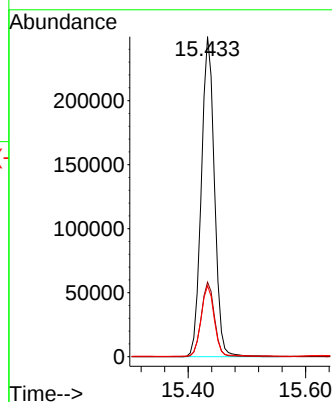
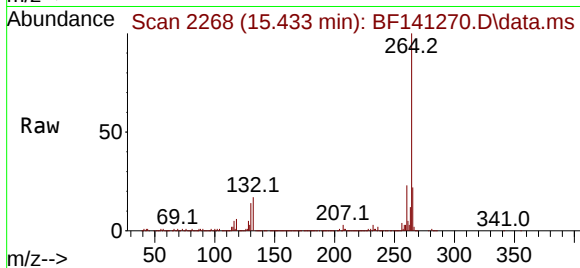


#86
Perylene-d12
Concen: 20.000 ng
RT: 15.433 min Scan# 2196
Delta R.T. -0.006 min
Lab File: BF141270.D
Acq: 27 Jan 2025 14:11

Instrument :
BNA_F
ClientSampleId :
SP-COMP

Tgt Ion:264 Resp: 386017

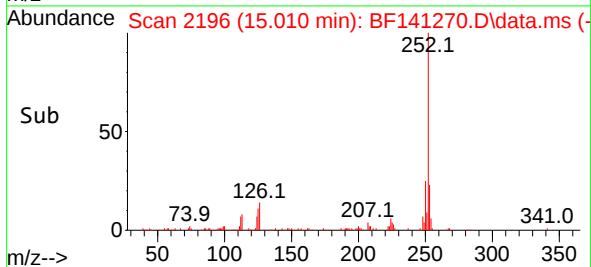
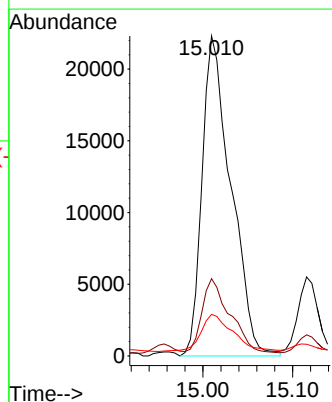
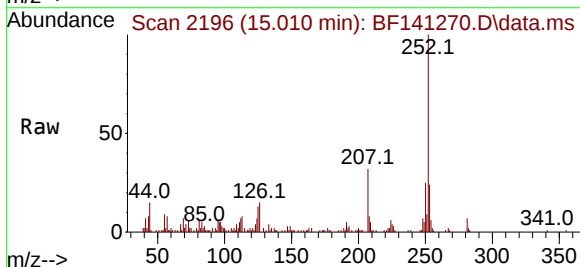
Ion	Ratio	Lower	Upper
264	100		
260	23.3	18.6	28.0
265	22.1	17.4	26.0

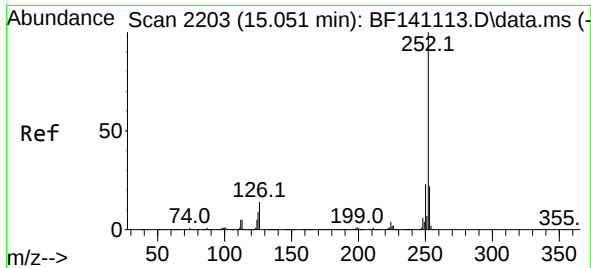


#88
Benzo(b)fluoranthene
Concen: 2.004 ng
RT: 15.010 min Scan# 2196
Delta R.T. -0.012 min
Lab File: BF141270.D
Acq: 27 Jan 2025 14:11

Tgt Ion:252 Resp: 49871

Ion	Ratio	Lower	Upper
252	100		
253	24.2	17.8	26.6
125	13.0	8.1	12.1





#89

Benzo(k)fluoranthene

Concen: 2.371 ng

RT: 15.010 min Scan# 21

Delta R.T. -0.041 min

Lab File: BF141270.D

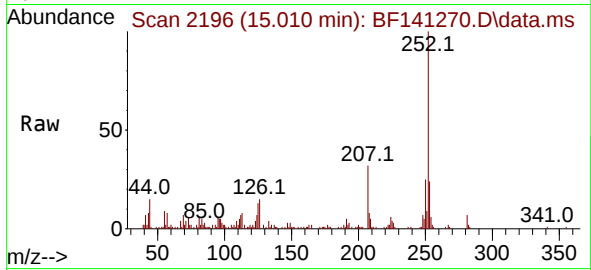
Acq: 27 Jan 2025 14:11

Instrument :

BNA_F

ClientSampleId :

SP-COMP



Tgt Ion:252 Resp: 49871

Ion Ratio Lower Upper

252 100

253 24.2 17.8 26.8

125 13.0 7.9 11.9#

