

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF032725\
 Data File : BF142134.D
 Acq On : 27 Mar 2025 19:44
 Operator : RC/JU
 Sample : Q1648-11
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TP-8

Quant Time: Mar 28 01:56:31 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

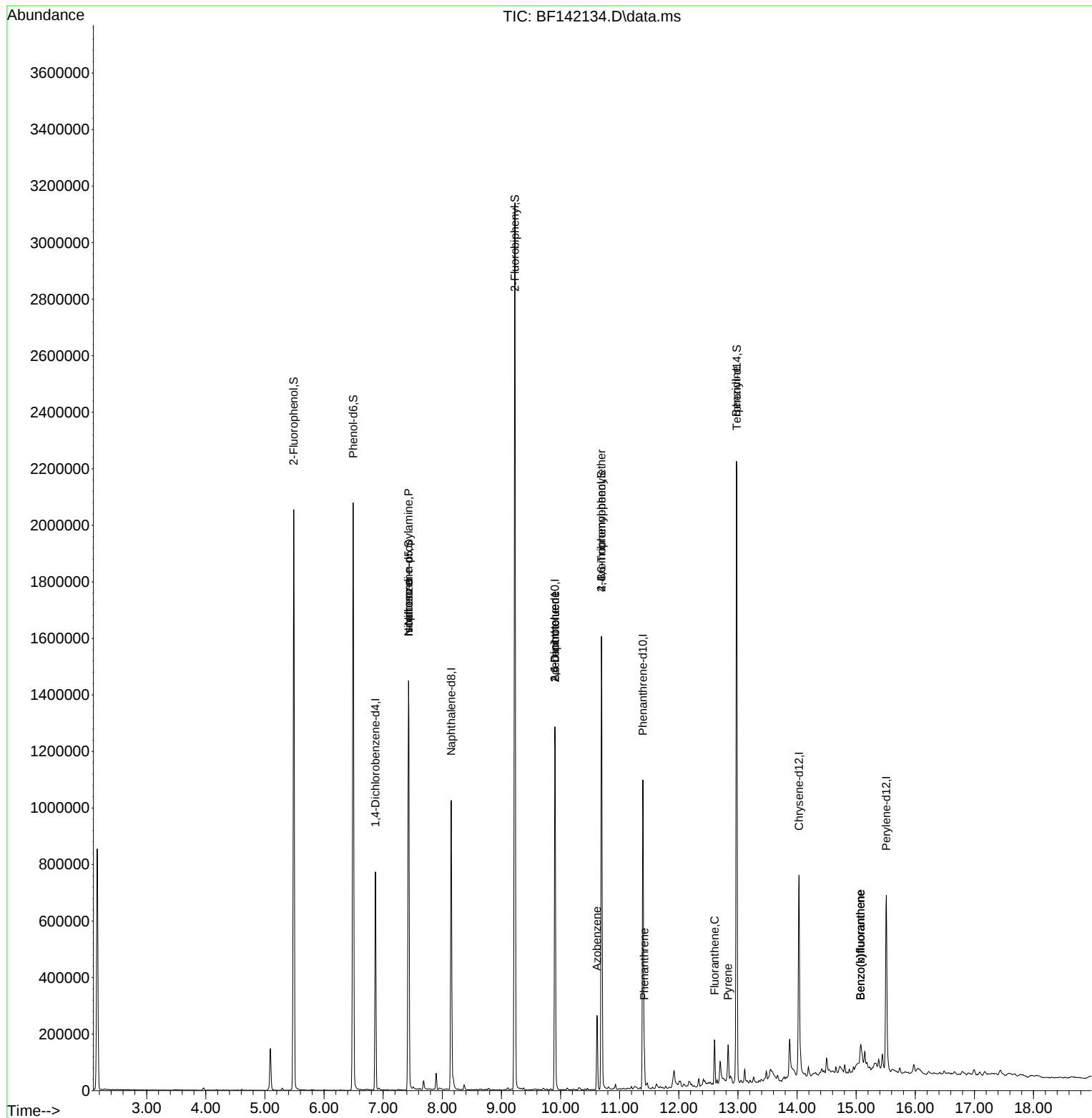
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.869	152	162767	20.000	ng	-0.01
21) Naphthalene-d8	8.151	136	669062	20.000	ng	-0.01
39) Acenaphthene-d10	9.904	164	396846	20.000	ng	-0.01
64) Phenanthrene-d10	11.392	188	558799	20.000	ng	-0.01
76) Chrysene-d12	14.033	240	330318	20.000	ng	0.00
86) Perylene-d12	15.510	264	366643	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.487	112	801041	82.136	ng	0.00
7) Phenol-d6	6.493	99	1021951	82.301	ng	-0.01
23) Nitrobenzene-d5	7.428	82	691194	58.137	ng	-0.02
42) 2,4,6-Tribromophenol	10.692	330	300196	59.628	ng	-0.01
45) 2-Fluorobiphenyl	9.228	172	1414166	54.194	ng	-0.01
79) Terphenyl-d14	12.980	244	1104388	49.431	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propyla...	7.428	70	93481	11.716	ng	# 77
25) Isophorone	7.428	82	680269	32.370	ng	# 64
51) 2,6-Dinitrotoluene	9.904	165	51288	8.864	ng	# 23
57) 2,4-Dinitrotoluene	9.904	165	51289	6.787	ng	# 24
63) Azobenzene	10.616	77	67441	2.618	ng	# 1
67) 4-Bromophenyl-phenylether	10.692	248	18681	2.662	ng	# 1
71) Phenanthrene	11.416	178	67252	2.228	ng	98
75) Fluoranthene	12.604	202	91091	2.845	ng	99
77) Benzidine	12.974	184	15162	3.290	ng	# 90
78) Pyrene	12.833	202	76492	2.677	ng	98
88) Benzo(b)fluoranthene	15.074	252	60382	2.403	ng	# 98
89) Benzo(k)fluoranthene	15.074	252	60382	2.808	ng	# 98

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

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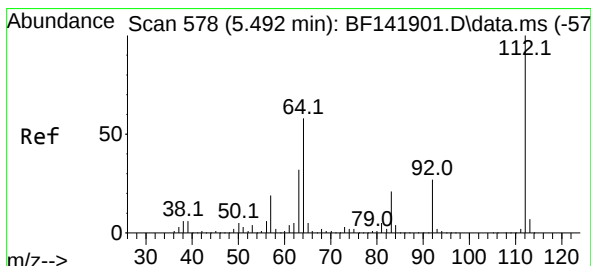
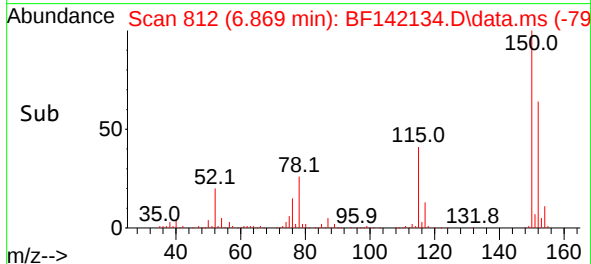
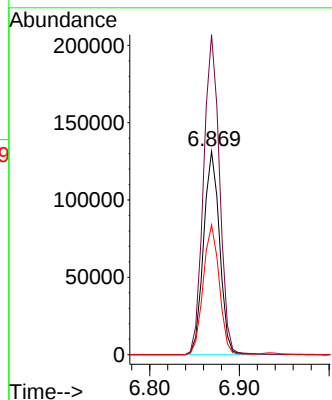
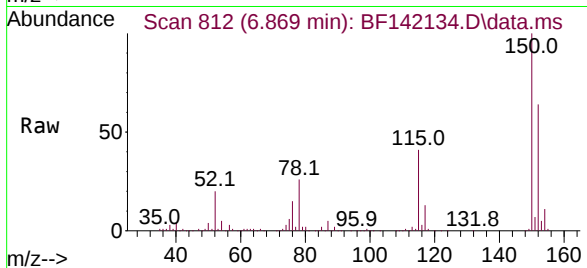




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.869 min Scan# 814
Delta R.T. -0.012 min
Lab File: BF142134.D
Acq: 27 Mar 2025 19:44

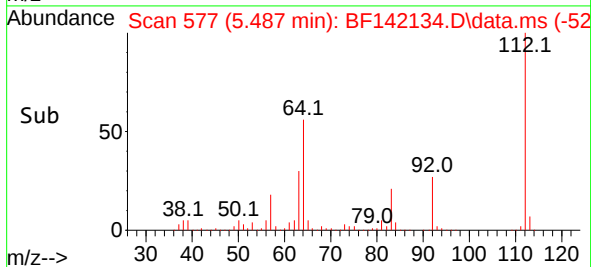
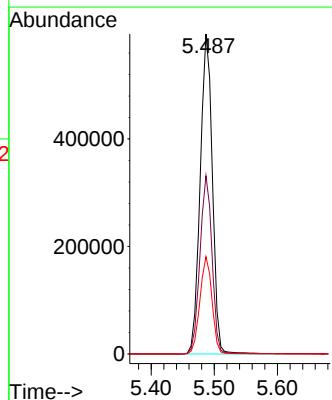
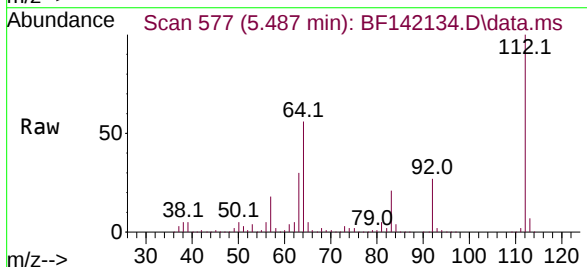
Instrument :
BNA_F
ClientSampleId :
TP-8

Tgt Ion:152 Resp: 162767
Ion Ratio Lower Upper
152 100
150 157.3 127.4 191.2
115 63.8 51.9 77.9



#5
2-Fluorophenol
Concen: 82.136 ng
RT: 5.487 min Scan# 577
Delta R.T. -0.006 min
Lab File: BF142134.D
Acq: 27 Mar 2025 19:44

Tgt Ion:112 Resp: 801041
Ion Ratio Lower Upper
112 100
64 55.7 46.5 69.7
63 30.4 25.4 38.2



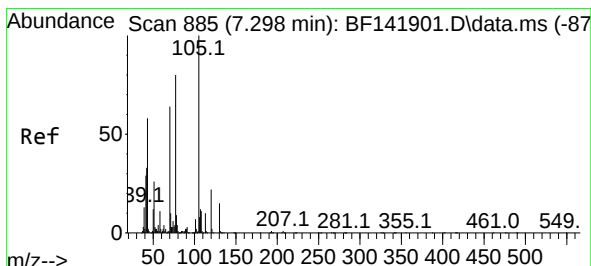
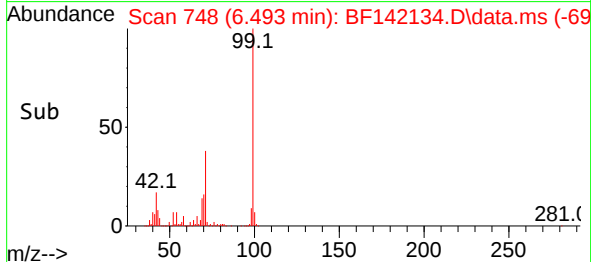
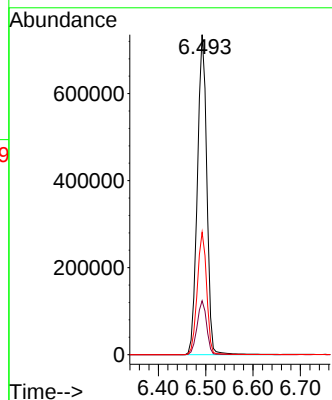
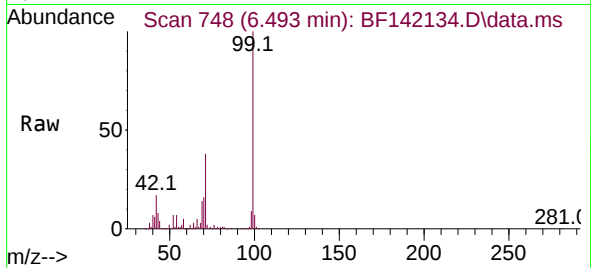


#7
Phenol-d6
Concen: 82.301 ng
RT: 6.493 min Scan# 74
Delta R.T. -0.012 min
Lab File: BF142134.D
Acq: 27 Mar 2025 19:44

Instrument :
BNA_F
ClientSampleId :
TP-8

Tgt Ion: 99 Resp: 1021951

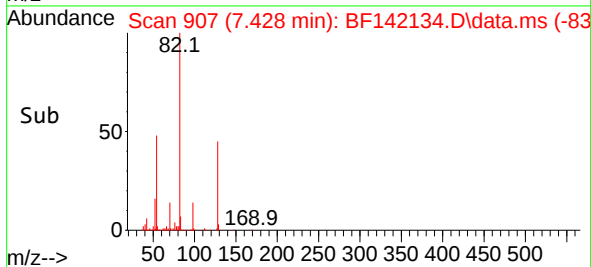
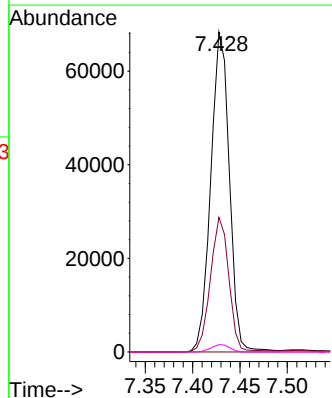
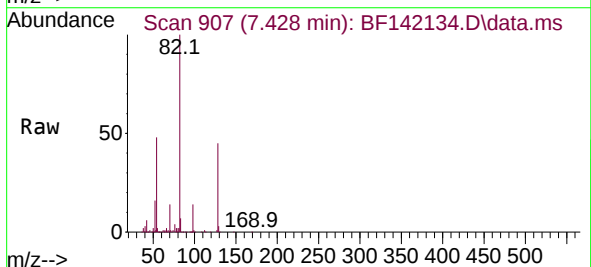
Ion	Ratio	Lower	Upper
99	100		
42	16.9	14.6	21.8
71	38.3	30.8	46.2

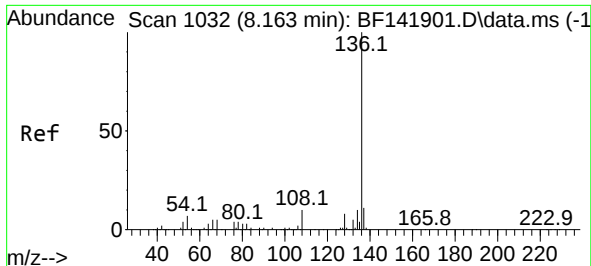


#19
n-Nitroso-di-n-propylamine
Concen: 11.716 ng
RT: 7.428 min Scan# 907
Delta R.T. 0.130 min
Lab File: BF142134.D
Acq: 27 Mar 2025 19:44

Tgt Ion: 70 Resp: 93481

Ion	Ratio	Lower	Upper
70	100		
42	42.0	41.4	62.0
101	0.0	8.2	12.2#
130	2.3	18.2	27.4#



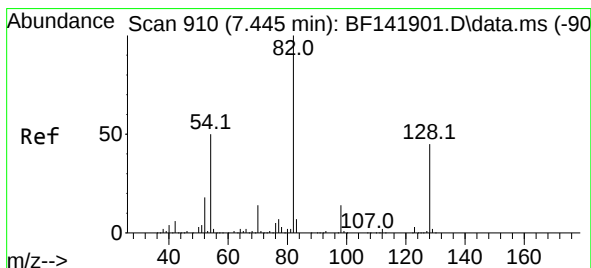
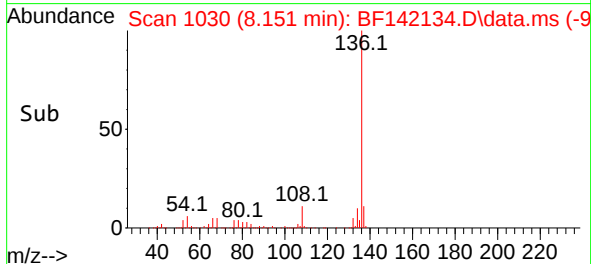
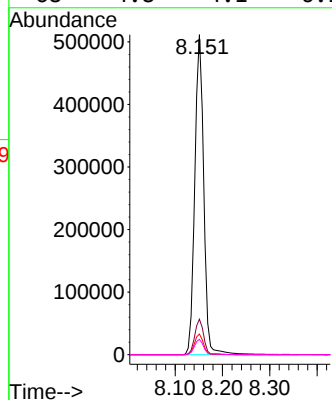
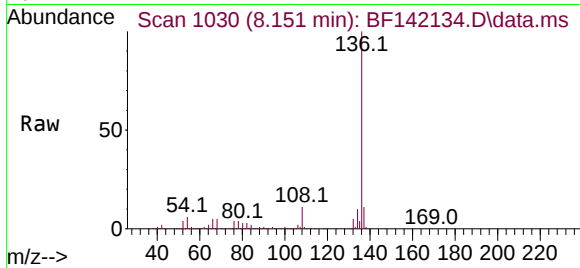


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.151 min Scan# 10
Delta R.T. -0.012 min
Lab File: BF142134.D
Acq: 27 Mar 2025 19:44

Instrument :
BNA_F
ClientSampleId :
TP-8

Tgt Ion:136 Resp: 669062

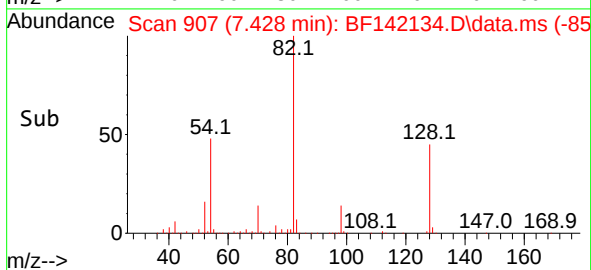
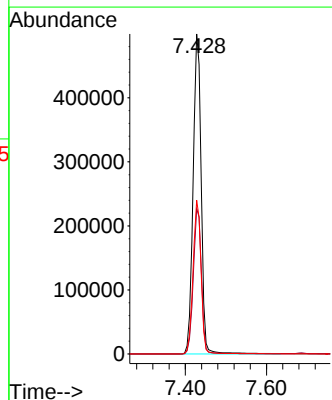
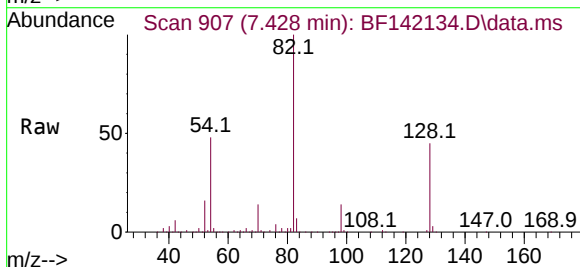
Ion	Ratio	Lower	Upper
136	100		
137	11.1	8.8	13.2
54	6.5	5.8	8.8
68	4.8	4.1	6.1

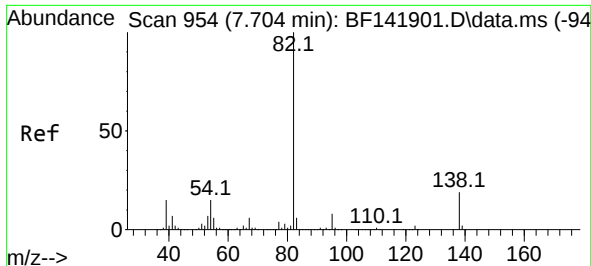


#23
Nitrobenzene-d5
Concen: 58.137 ng
RT: 7.428 min Scan# 907
Delta R.T. -0.018 min
Lab File: BF142134.D
Acq: 27 Mar 2025 19:44

Tgt Ion: 82 Resp: 691194

Ion	Ratio	Lower	Upper
82	100		
128	45.4	36.0	54.0
54	48.0	39.6	59.4

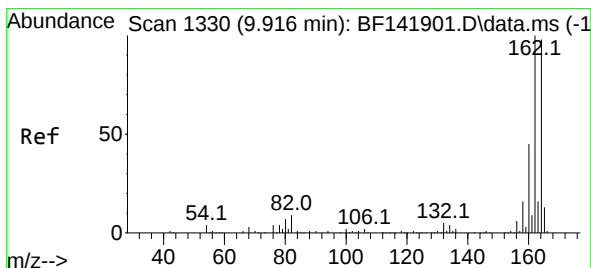
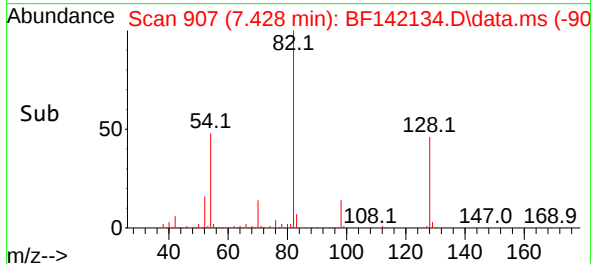
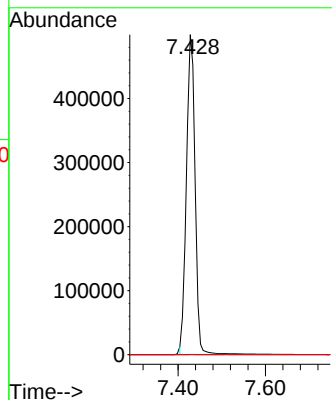
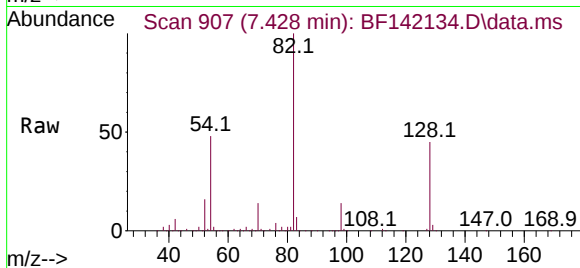




#25
Isophorone
Concen: 32.370 ng
RT: 7.428 min Scan# 90
Delta R.T. -0.276 min
Lab File: BF142134.D
Acq: 27 Mar 2025 19:44

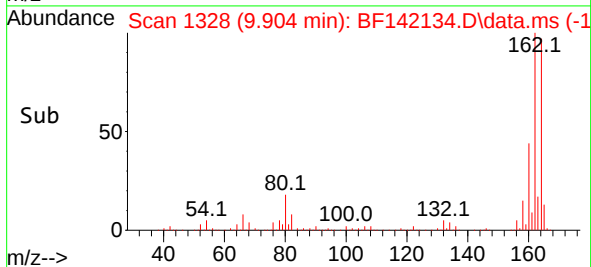
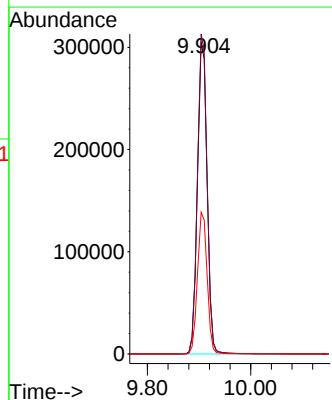
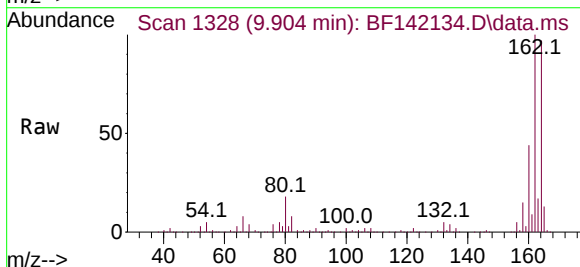
Instrument :
BNA_F
ClientSampleId :
TP-8

Tgt Ion: 82 Resp: 680269
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: BF142134.D
Acq: 27 Mar 2025 19:44

Tgt Ion:164 Resp: 396846
Ion Ratio Lower Upper
164 100
162 102.7 81.8 122.6
160 45.4 36.7 55.1





#42

2,4,6-Tribromophenol

Concen: 59.628 ng

RT: 10.692 min Scan# 1462

Delta R.T. -0.012 min

Lab File: BF142134.D

Acq: 27 Mar 2025 19:44

Instrument :

BNA_F

ClientSampleId :

TP-8

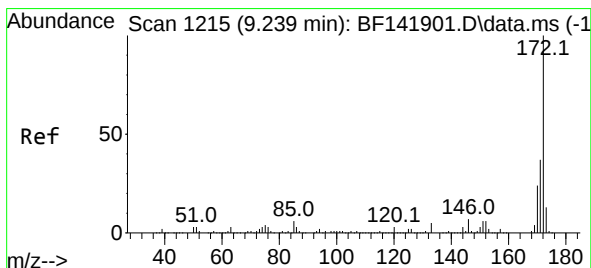
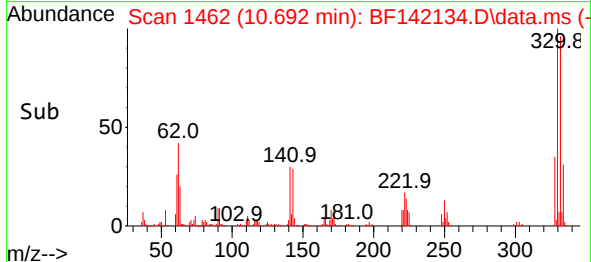
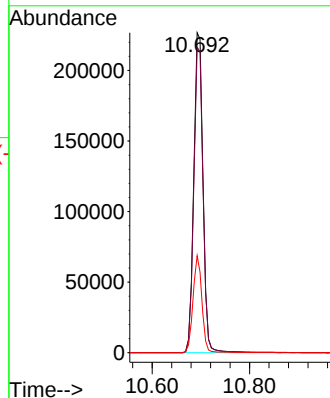
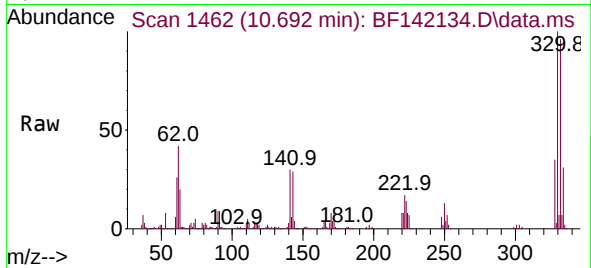
Tgt Ion:330 Resp: 300196

Ion Ratio Lower Upper

330 100

332 95.7 77.6 116.4

141 29.1 24.7 37.1



#45

2-Fluorobiphenyl

Concen: 54.194 ng

RT: 9.228 min Scan# 1213

Delta R.T. -0.012 min

Lab File: BF142134.D

Acq: 27 Mar 2025 19:44

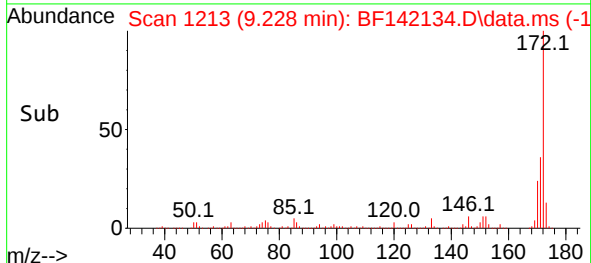
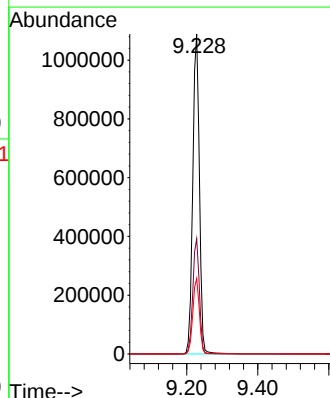
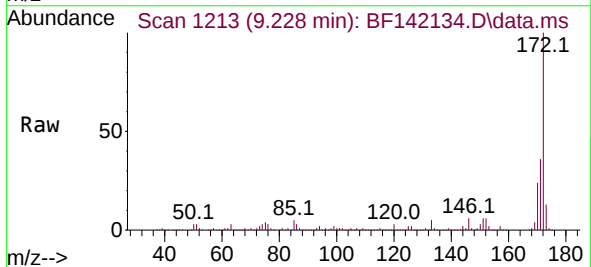
Tgt Ion:172 Resp: 1414166

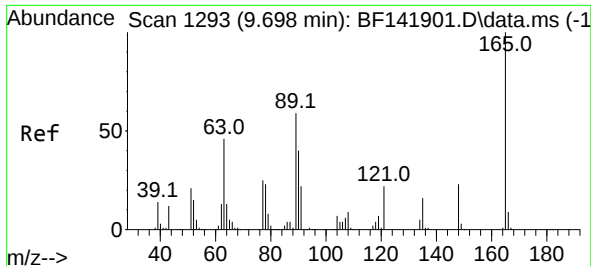
Ion Ratio Lower Upper

172 100

171 36.0 29.3 43.9

170 23.6 19.4 29.0





#51

2,6-Dinitrotoluene

Concen: 8.864 ng

RT: 9.904 min Scan# 1

Delta R.T. 0.206 min

Lab File: BF142134.D

Acq: 27 Mar 2025 19:44

Instrument :

BNA_F

ClientSampleId :

TP-8

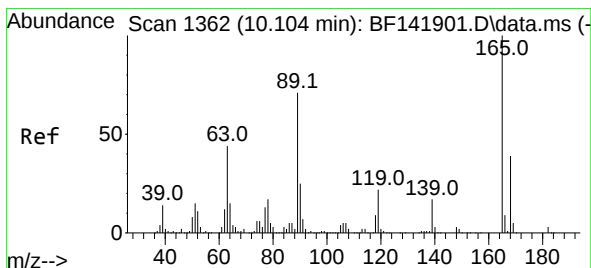
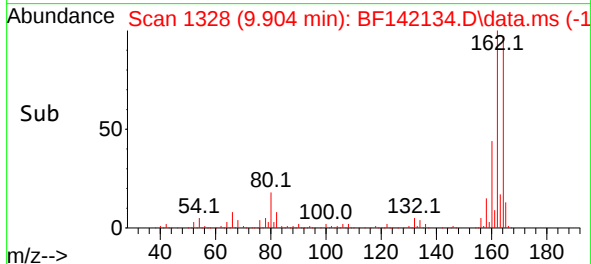
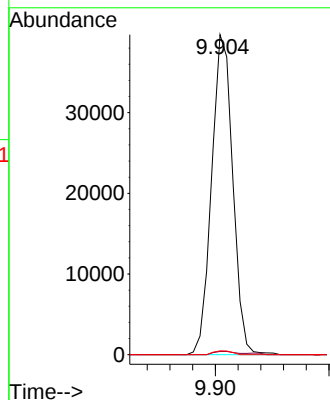
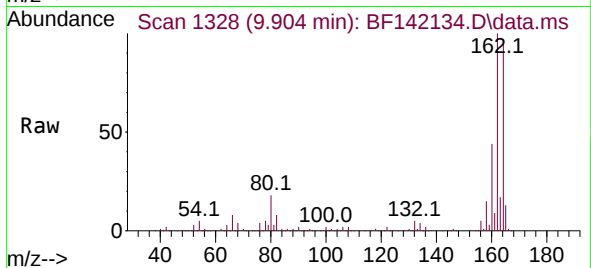
Tgt Ion:165 Resp: 51288

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: 6.787 ng

RT: 9.904 min Scan# 1328

Delta R.T. -0.200 min

Lab File: BF142134.D

Acq: 27 Mar 2025 19:44

Tgt Ion:165 Resp: 51289

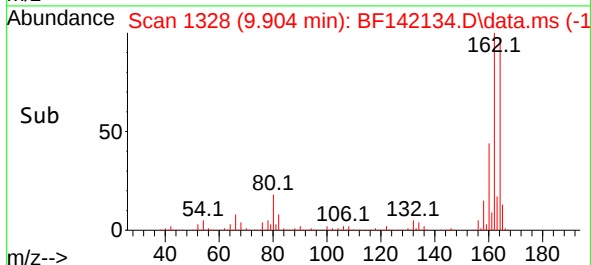
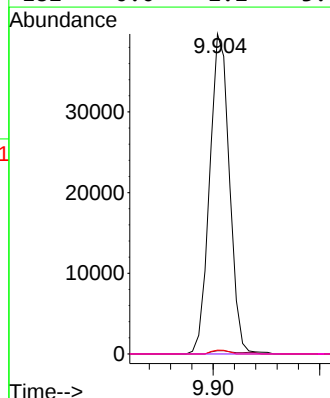
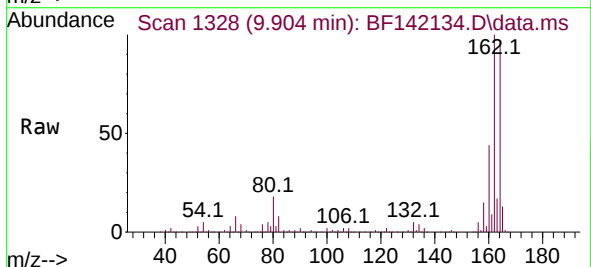
Ion Ratio Lower Upper

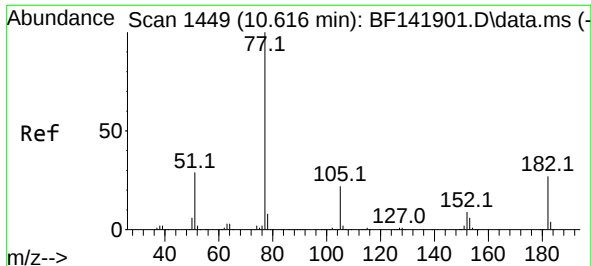
165 100

63 1.0 35.4 53.2#

89 1.2 56.6 84.8#

182 0.0 2.2 3.4#

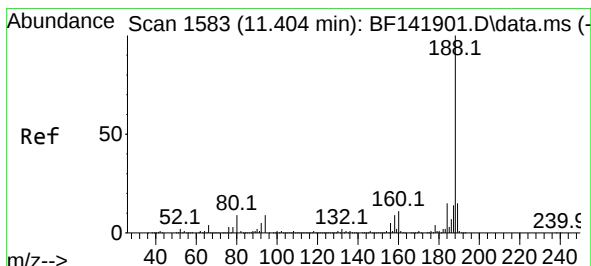
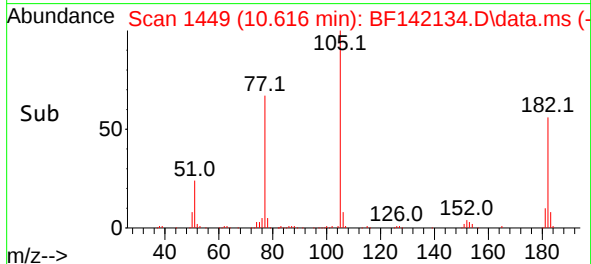
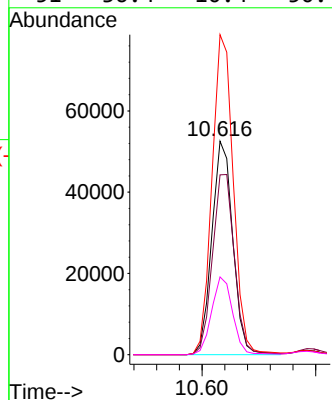
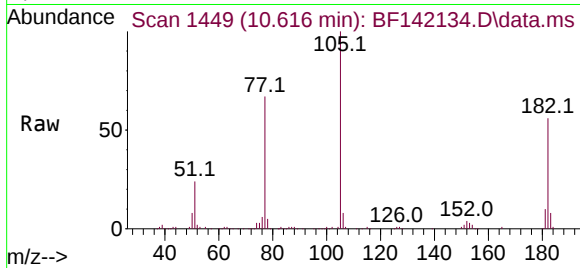




#63
Azobenzene
Concen: 2.618 ng
RT: 10.616 min Scan# 1449
Delta R.T. 0.000 min
Lab File: BF142134.D
Acq: 27 Mar 2025 19:44

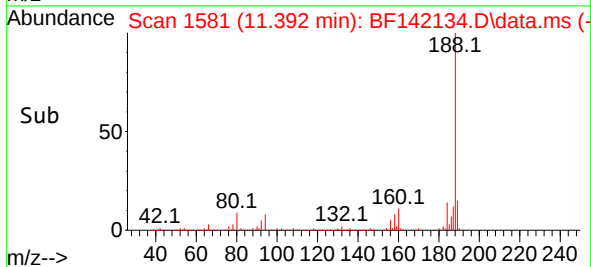
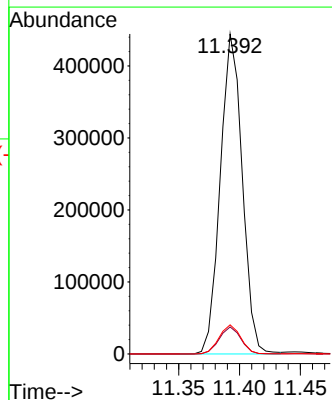
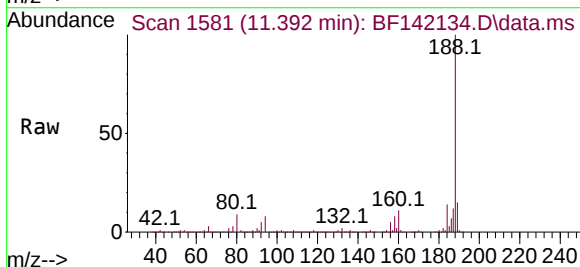
Instrument :
BNA_F
ClientSampleId :
TP-8

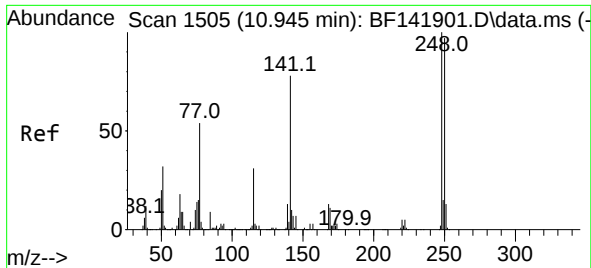
Tgt Ion: 77 Resp: 67441
Ion Ratio Lower Upper
77 100
182 84.3 6.6 46.6#
105 150.0 1.3 41.3#
51 36.4 10.4 50.4



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.392 min Scan# 1581
Delta R.T. -0.012 min
Lab File: BF142134.D
Acq: 27 Mar 2025 19:44

Tgt Ion: 188 Resp: 558799
Ion Ratio Lower Upper
188 100
94 8.4 6.8 10.2
80 9.1 7.6 11.4

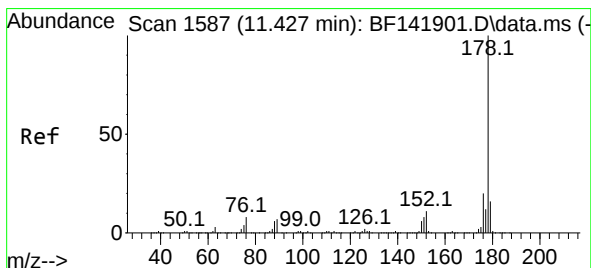
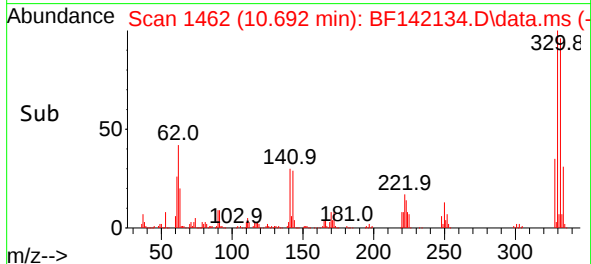
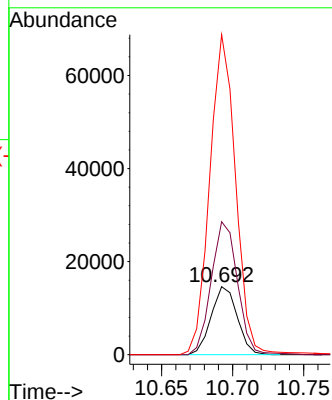
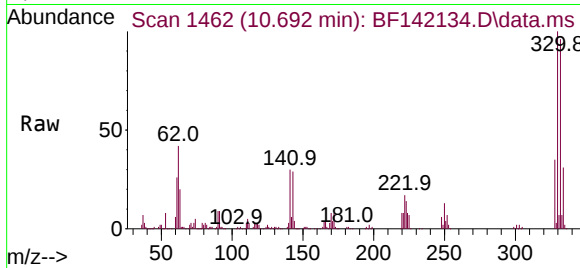




#67
4-Bromophenyl-phenylether
Concen: 2.662 ng
RT: 10.692 min Scan# 1462
Delta R.T. -0.253 min
Lab File: BF142134.D
Acq: 27 Mar 2025 19:44

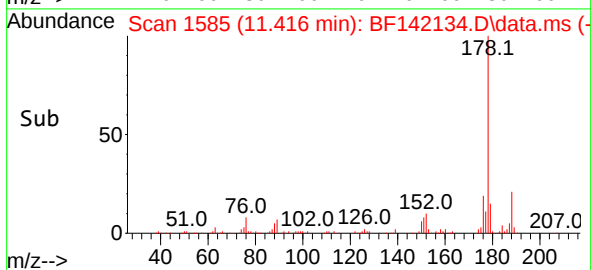
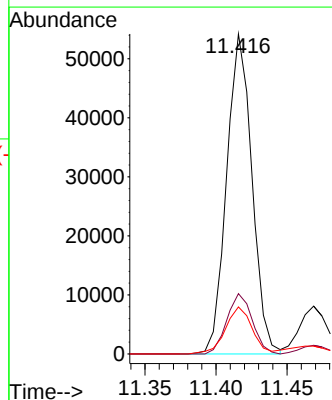
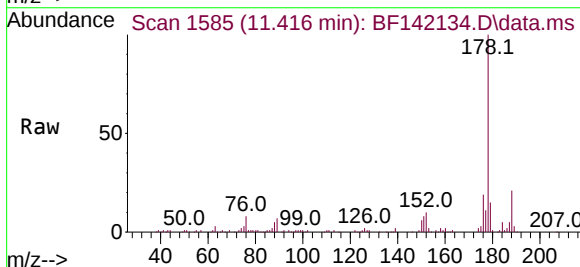
Instrument :
BNA_F
ClientSampleId :
TP-8

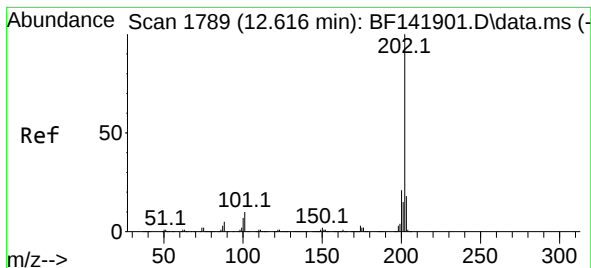
Tgt Ion:248 Resp: 18681
Ion Ratio Lower Upper
248 100
250 195.3 77.8 116.8#
141 470.2 62.6 93.8#



#71
Phenanthrene
Concen: 2.228 ng
RT: 11.416 min Scan# 1585
Delta R.T. -0.012 min
Lab File: BF142134.D
Acq: 27 Mar 2025 19:44

Tgt Ion:178 Resp: 67252
Ion Ratio Lower Upper
178 100
176 18.8 15.8 23.8
179 14.7 12.6 19.0





#75

Fluoranthene

Concen: 2.845 ng

RT: 12.604 min Scan# 11

Delta R.T. -0.012 min

Lab File: BF142134.D

Acq: 27 Mar 2025 19:44

Instrument :

BNA_F

ClientSampleId :

TP-8

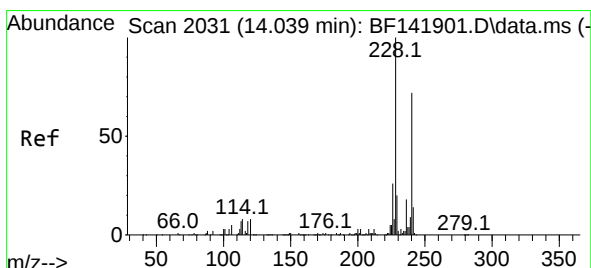
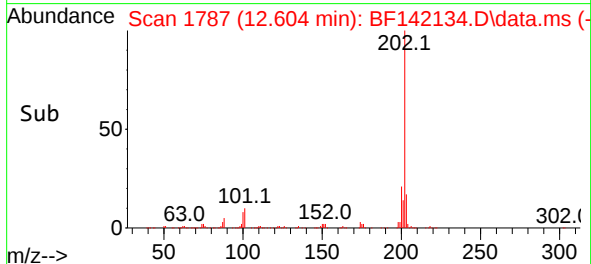
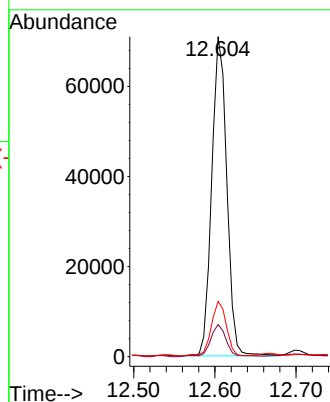
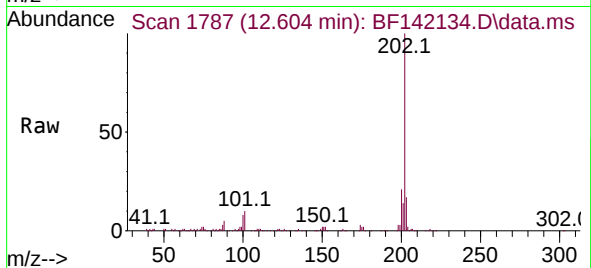
Tgt Ion:202 Resp: 91091

Ion Ratio Lower Upper

202 100

101 10.1 0.0 29.7

203 17.3 0.0 37.8



#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.033 min Scan# 2030

Delta R.T. -0.006 min

Lab File: BF142134.D

Acq: 27 Mar 2025 19:44

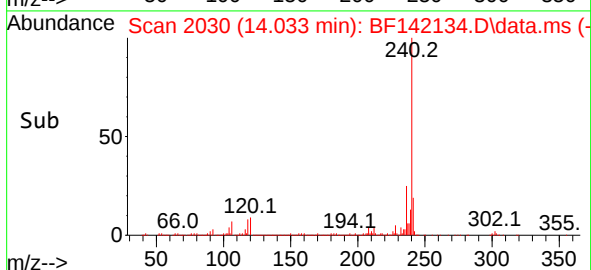
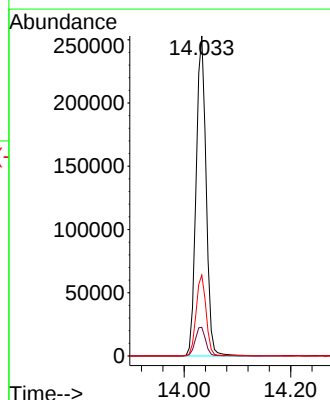
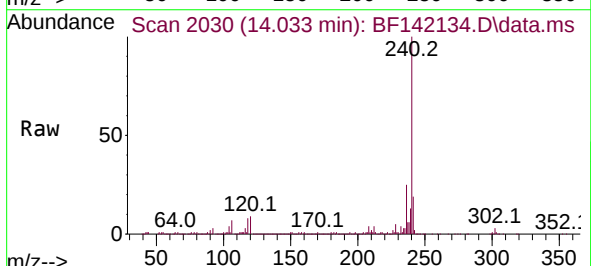
Tgt Ion:240 Resp: 330318

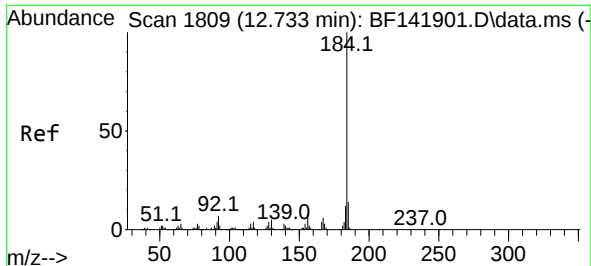
Ion Ratio Lower Upper

240 100

120 9.0 8.4 12.6

236 25.3 20.5 30.7

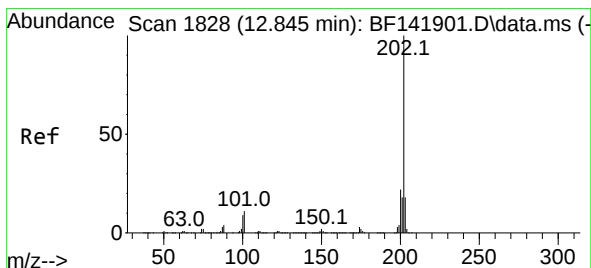
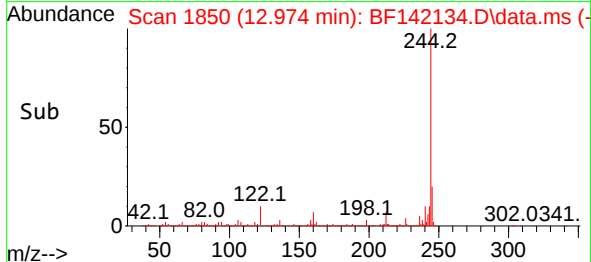
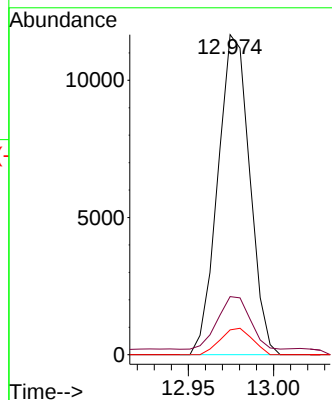
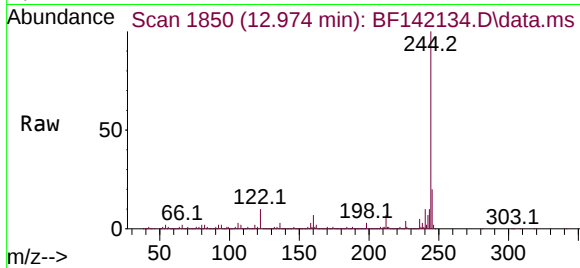




#77
Benzidine
Concen: 3.290 ng
RT: 12.974 min Scan# 1850
Delta R.T. 0.241 min
Lab File: BF142134.D
Acq: 27 Mar 2025 19:44

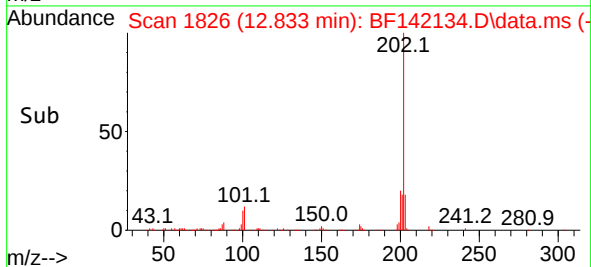
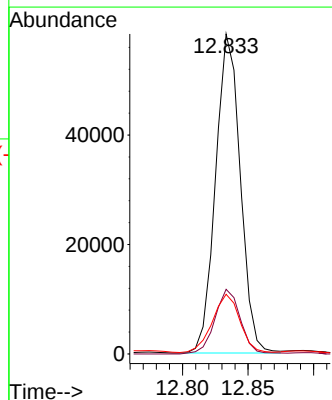
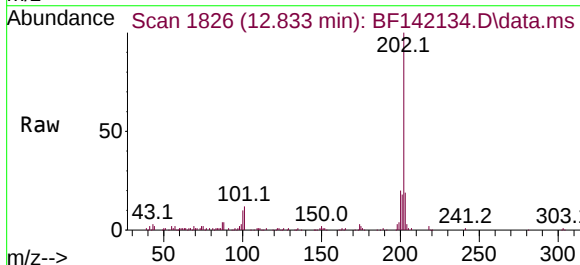
Instrument :
BNA_F
ClientSampleId :
TP-8

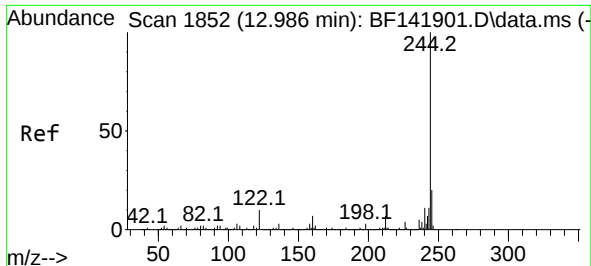
Tgt Ion:184 Resp: 15162
Ion Ratio Lower Upper
184 100
185 18.2 11.5 17.3#
183 7.7 9.7 14.5#



#78
Pyrene
Concen: 2.677 ng
RT: 12.833 min Scan# 1826
Delta R.T. -0.012 min
Lab File: BF142134.D
Acq: 27 Mar 2025 19:44

Tgt Ion:202 Resp: 76492
Ion Ratio Lower Upper
202 100
200 20.2 17.3 25.9
203 18.6 14.4 21.6

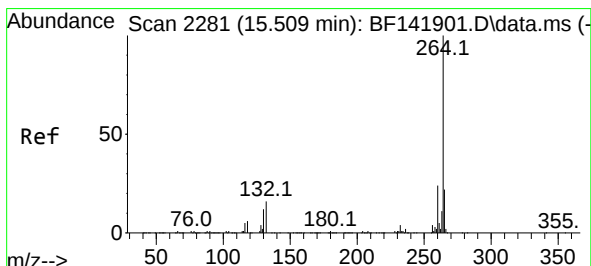
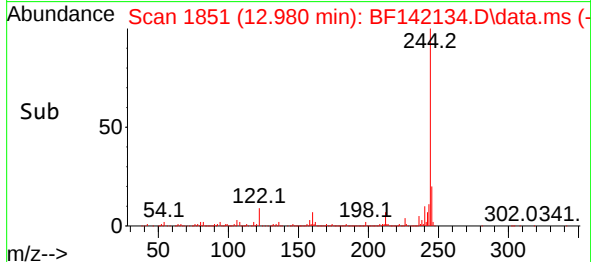
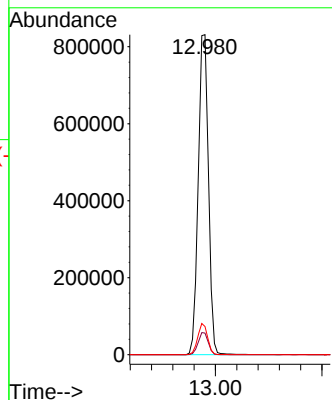
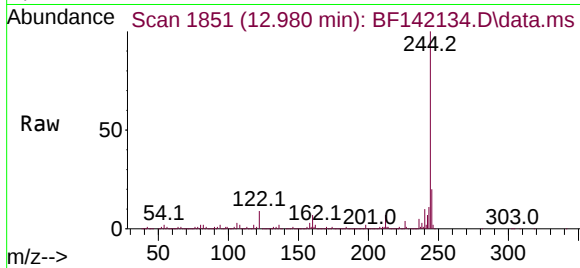




#79
 Terphenyl-d14
 Concen: 49.431 ng
 RT: 12.980 min Scan# 1851
 Delta R.T. -0.006 min
 Lab File: BF142134.D
 Acq: 27 Mar 2025 19:44

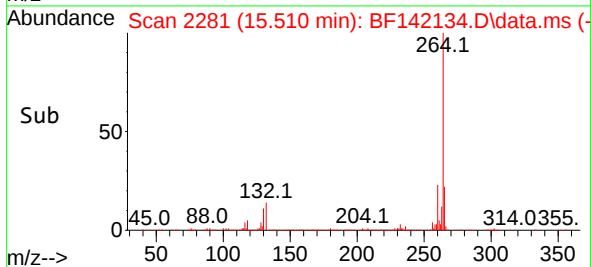
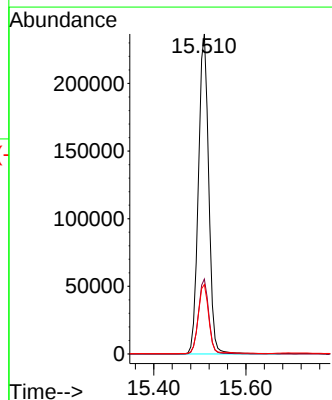
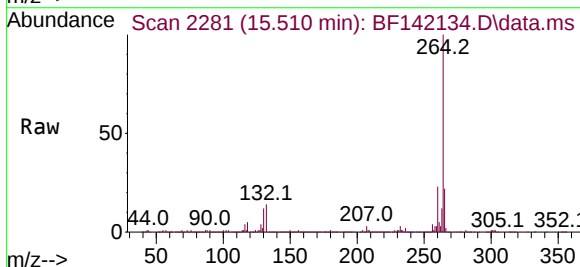
Instrument :
 BNA_F
 ClientSampleId :
 TP-8

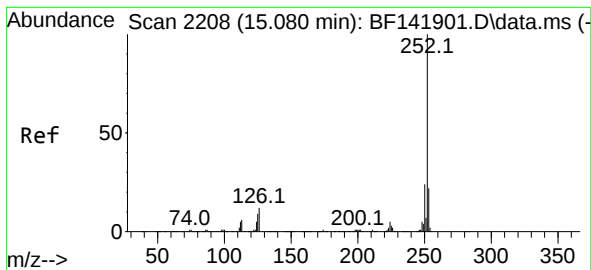
Tgt Ion:244 Resp: 1104388
 Ion Ratio Lower Upper
 244 100
 212 6.8 6.0 9.0
 122 8.8 7.7 11.5



#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.510 min Scan# 2281
 Delta R.T. 0.000 min
 Lab File: BF142134.D
 Acq: 27 Mar 2025 19:44

Tgt Ion:264 Resp: 366643
 Ion Ratio Lower Upper
 264 100
 260 23.4 19.1 28.7
 265 21.7 17.5 26.3





#88

Benzo(b)fluoranthene

Concen: 2.403 ng

RT: 15.074 min Scan# 21

Delta R.T. -0.006 min

Lab File: BF142134.D

Acq: 27 Mar 2025 19:44

Instrument :

BNA_F

ClientSampleId :

TP-8

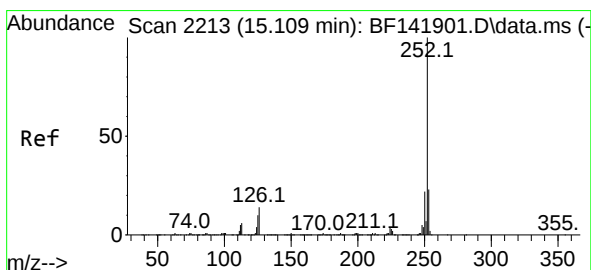
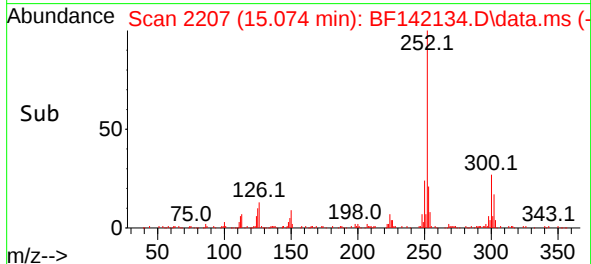
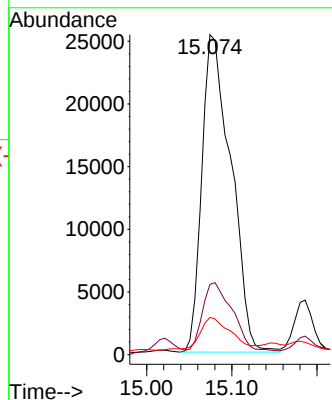
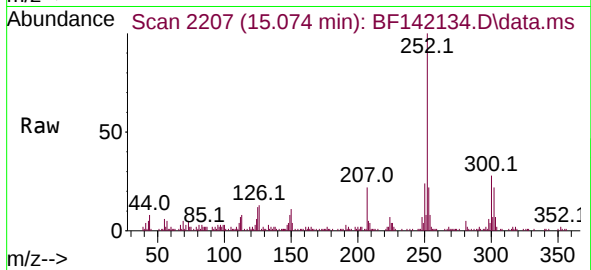
Tgt Ion:252 Resp: 60382

Ion Ratio Lower Upper

252 100

253 22.0 17.5 26.3

125 11.6 7.0 10.4#



#89

Benzo(k)fluoranthene

Concen: 2.808 ng

RT: 15.074 min Scan# 2207

Delta R.T. -0.035 min

Lab File: BF142134.D

Acq: 27 Mar 2025 19:44

Tgt Ion:252 Resp: 60382

Ion Ratio Lower Upper

252 100

253 22.0 17.7 26.5

125 11.6 7.2 10.8#

