

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF032725\
 Data File : BF142143.D
 Acq On : 28 Mar 2025 00:09
 Operator : RC/JU
 Sample : Q1661-02 5X
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 351

Quant Time: Mar 28 01:59:12 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)

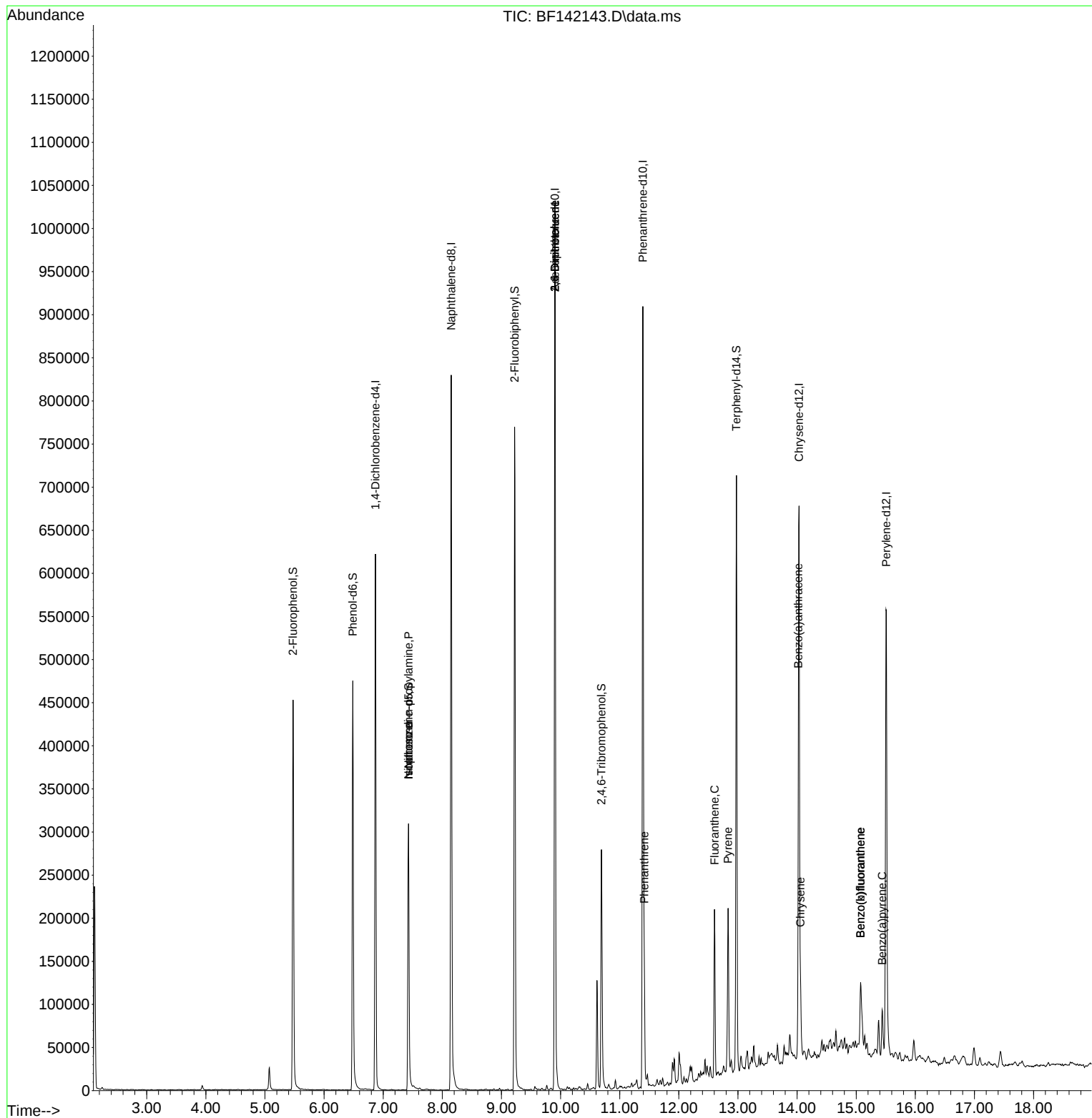
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.869	152	135391	20.000	ng	-0.01
21) Naphthalene-d8	8.151	136	574021	20.000	ng	-0.01
39) Acenaphthene-d10	9.904	164	317809	20.000	ng	-0.01
64) Phenanthrene-d10	11.392	188	483193	20.000	ng	-0.01
76) Chrysene-d12	14.033	240	302368	20.000	ng	0.00
86) Perylene-d12	15.510	264	328396	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.475	112	187112	23.065	ng	-0.02
7) Phenol-d6	6.487	99	240074	23.243	ng	-0.02
23) Nitrobenzene-d5	7.428	82	162305	15.912	ng	-0.02
42) 2,4,6-Tribromophenol	10.692	330	55381	13.736	ng	-0.01
45) 2-Fluorobiphenyl	9.222	172	366082	17.518	ng	-0.02
79) Terphenyl-d14	12.974	244	338814	16.567	ng	-0.01
Target Compounds						
						Qvalue
19) n-Nitroso-di-n-propyla...	7.428	70	21171	3.190	ng	# 76
25) Isophorone	7.428	82	158055	8.766	ng	# 64
51) 2,6-Dinitrotoluene	9.904	165	41983	9.060	ng	# 23
57) 2,4-Dinitrotoluene	9.904	165	41984	6.937	ng	# 24
71) Phenanthrene	11.416	178	71298	2.732	ng	98
75) Fluoranthene	12.604	202	113187	4.088	ng	99
78) Pyrene	12.833	202	112633	4.306	ng	99
81) Benzo(a)anthracene	14.021	228	42627	2.148	ng	95
83) Chrysene	14.057	228	44622	2.481	ng	97
88) Benzo(b)fluoranthene	15.074	252	66676	2.962	ng	# 95
89) Benzo(k)fluoranthene	15.074	252	66676	3.462	ng	96
90) Benzo(a)pyrene	15.439	252	35346	2.007	ng	99

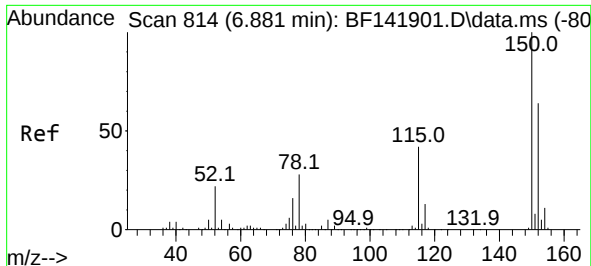
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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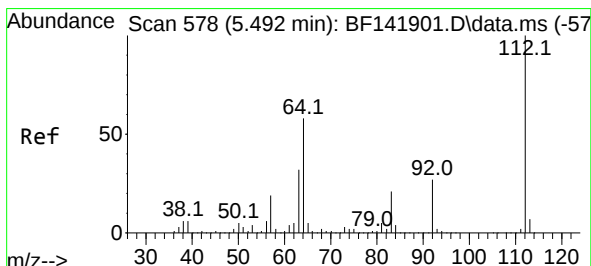
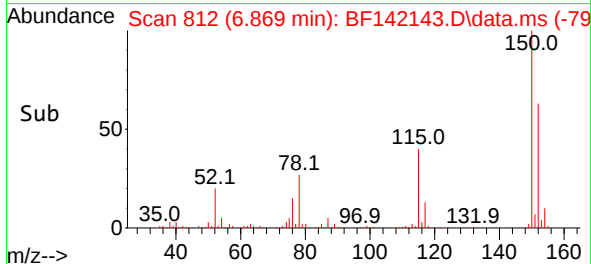
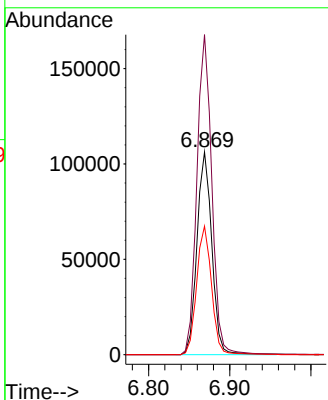
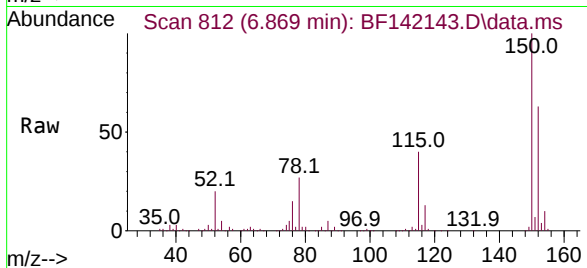




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.869 min Scan# 814
Delta R.T. -0.012 min
Lab File: BF142143.D
Acq: 28 Mar 2025 00:09

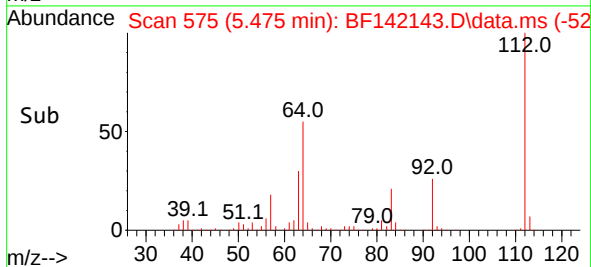
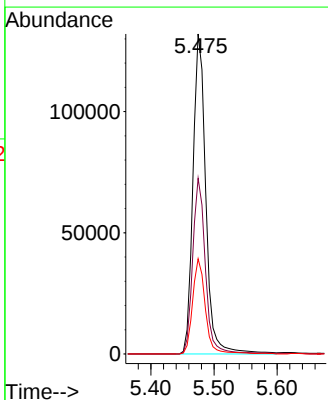
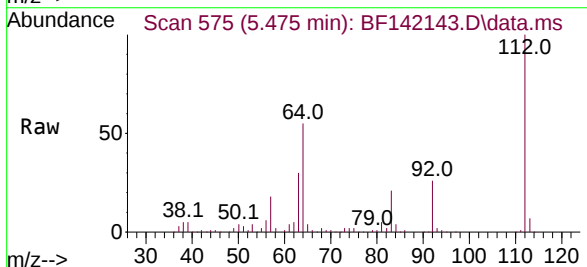
Instrument :
BNA_F
ClientSampleId :
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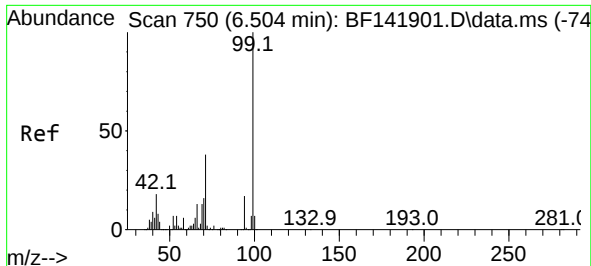
Tgt Ion:152 Resp: 135391
Ion Ratio Lower Upper
152 100
150 157.9 127.4 191.2
115 63.4 51.9 77.9



#5
2-Fluorophenol
Concen: 23.065 ng
RT: 5.475 min Scan# 575
Delta R.T. -0.018 min
Lab File: BF142143.D
Acq: 28 Mar 2025 00:09

Tgt Ion:112 Resp: 187112
Ion Ratio Lower Upper
112 100
64 54.9 46.5 69.7
63 29.8 25.4 38.2

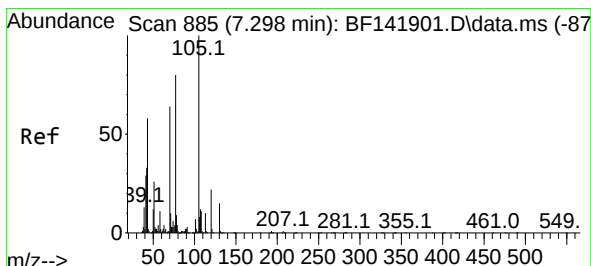
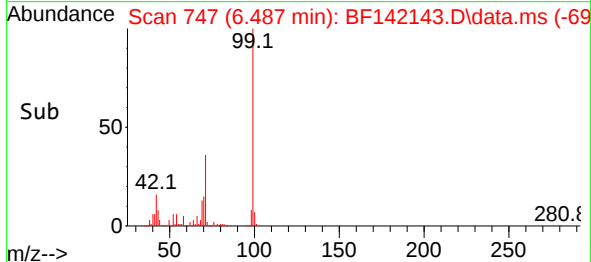
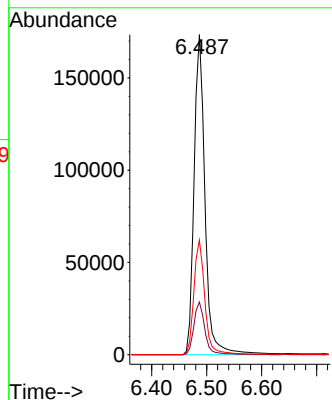
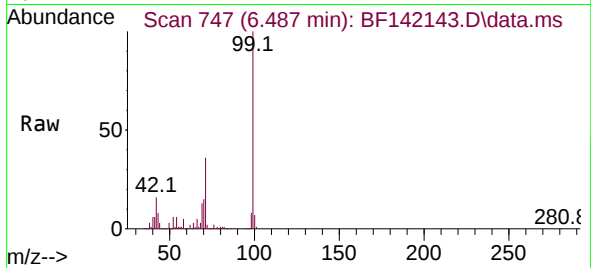




#7
Phenol-d6
Concen: 23.243 ng
RT: 6.487 min Scan# 74
Delta R.T. -0.018 min
Lab File: BF142143.D
Acq: 28 Mar 2025 00:09

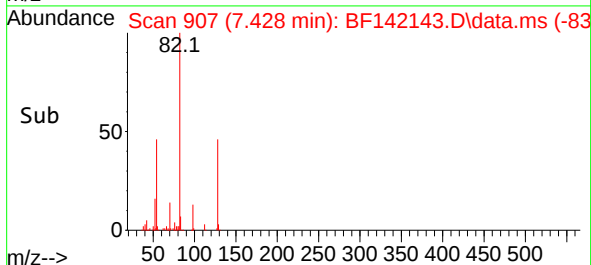
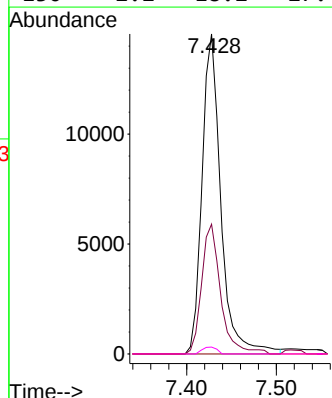
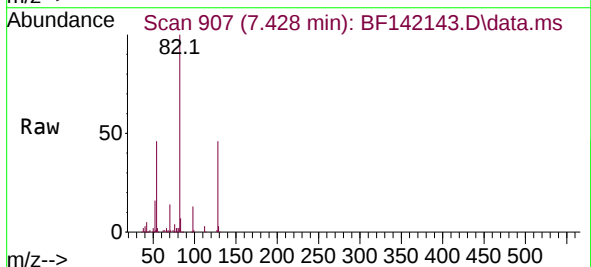
Instrument :
BNA_F
ClientSampleId :
351

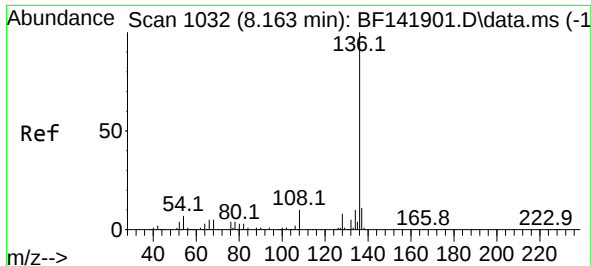
Tgt Ion: 99 Resp: 240074
Ion Ratio Lower Upper
99 100
42 16.4 14.6 21.8
71 35.8 30.8 46.2



#19
n-Nitroso-di-n-propylamine
Concen: 3.190 ng
RT: 7.428 min Scan# 907
Delta R.T. 0.130 min
Lab File: BF142143.D
Acq: 28 Mar 2025 00:09

Tgt Ion: 70 Resp: 21171
Ion Ratio Lower Upper
70 100
42 40.6 41.4 62.0#
101 0.0 8.2 12.2#
130 2.2 18.2 27.4#



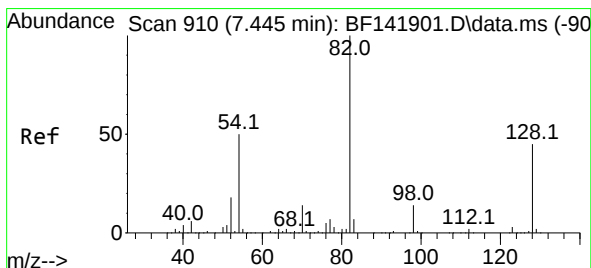
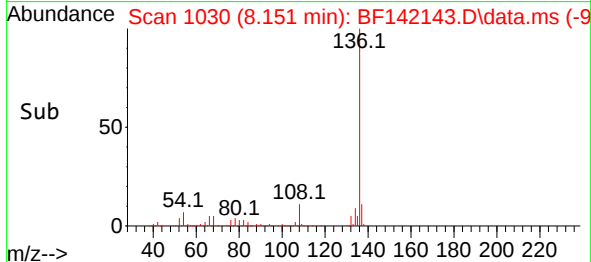
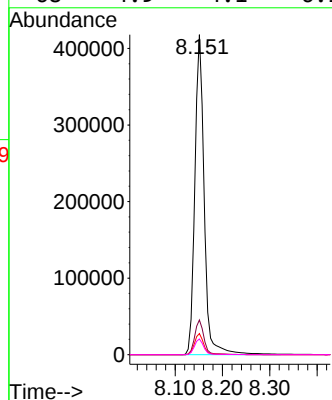
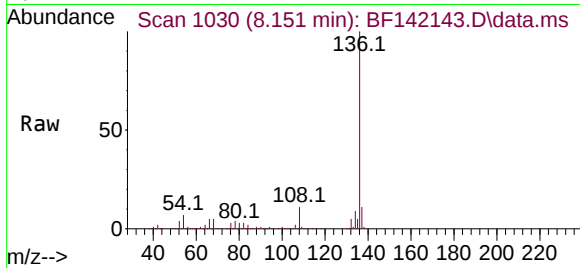


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.151 min Scan# 1030
Delta R.T. -0.012 min
Lab File: BF142143.D
Acq: 28 Mar 2025 00:09

Instrument :
BNA_F
ClientSampleId :
351

Tgt Ion:136 Resp: 574021

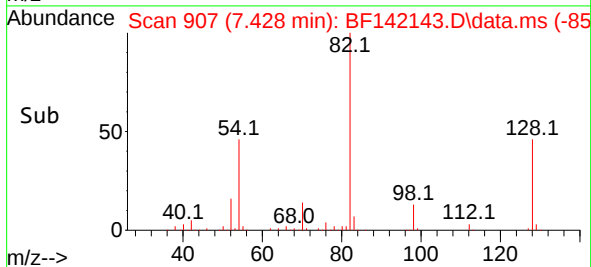
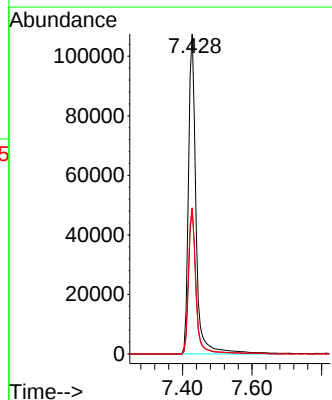
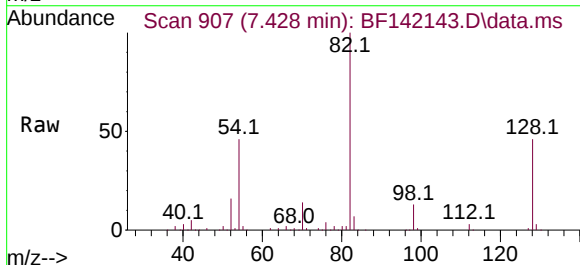
Ion	Ratio	Lower	Upper
136	100		
137	10.8	8.8	13.2
54	6.6	5.8	8.8
68	4.9	4.1	6.1

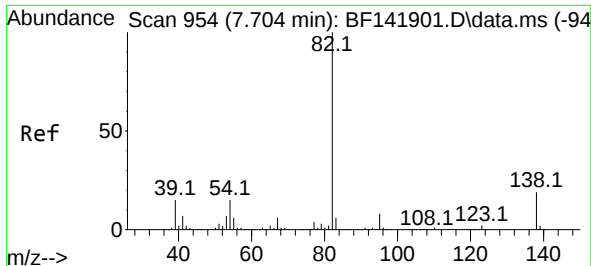


#23
Nitrobenzene-d5
Concen: 15.912 ng
RT: 7.428 min Scan# 907
Delta R.T. -0.018 min
Lab File: BF142143.D
Acq: 28 Mar 2025 00:09

Tgt Ion: 82 Resp: 162305

Ion	Ratio	Lower	Upper
82	100		
128	45.5	36.0	54.0
54	45.7	39.6	59.4

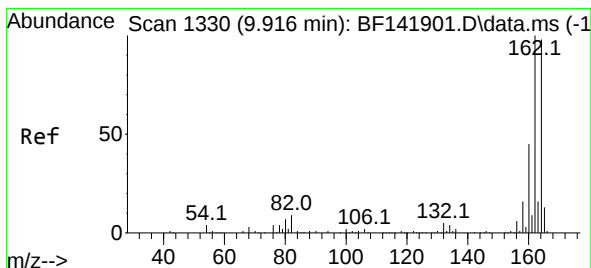
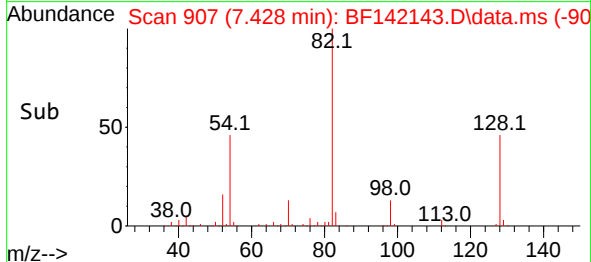
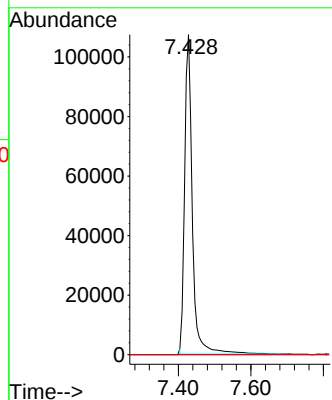
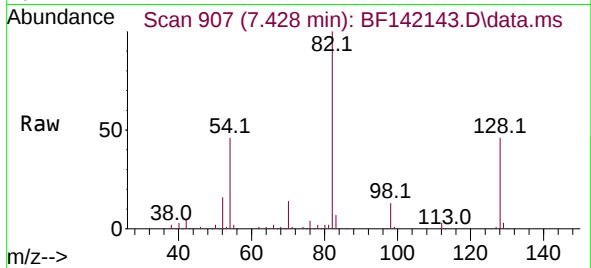




#25
Isophorone
Concen: 8.766 ng
RT: 7.428 min Scan# 90
Delta R.T. -0.276 min
Lab File: BF142143.D
Acq: 28 Mar 2025 00:09

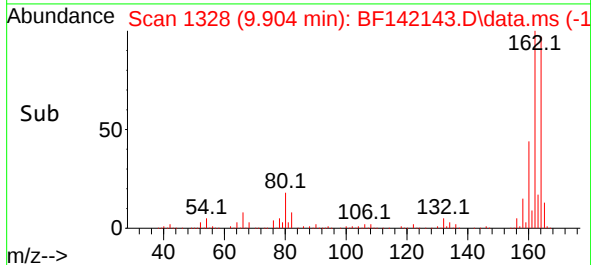
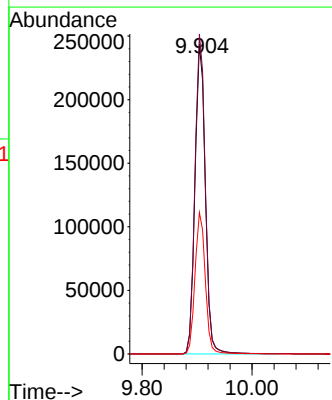
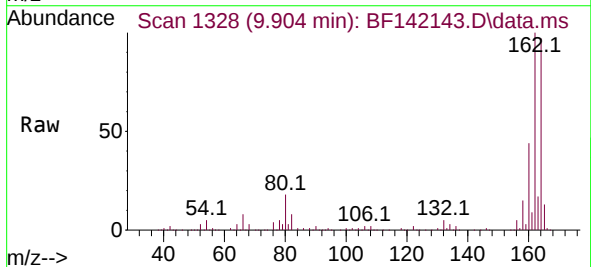
Instrument :
BNA_F
ClientSampleId :
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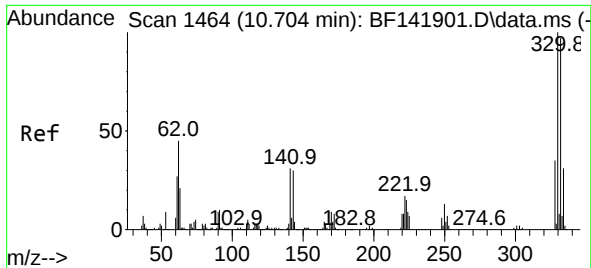
Tgt Ion: 82 Resp: 158055
Ion Ratio Lower Upper
82 100
95 0.0 6.4 9.6#
138 0.0 14.9 22.3#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.904 min Scan# 1328
Delta R.T. -0.012 min
Lab File: BF142143.D
Acq: 28 Mar 2025 00:09

Tgt Ion: 164 Resp: 317809
Ion Ratio Lower Upper
164 100
162 103.4 81.8 122.6
160 45.7 36.7 55.1

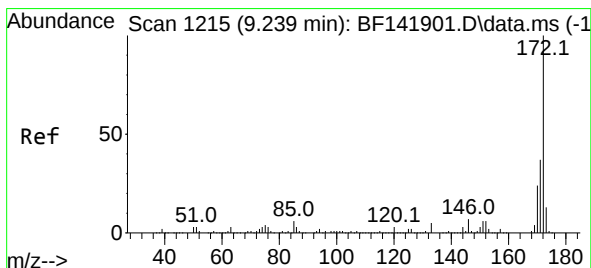
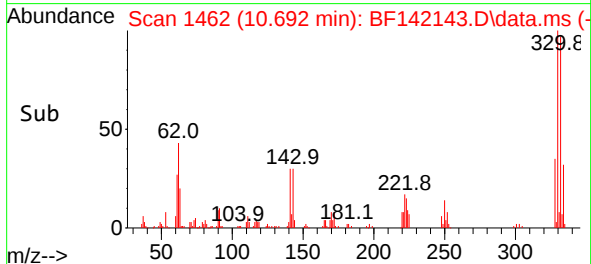
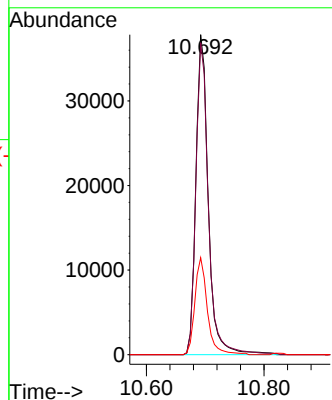
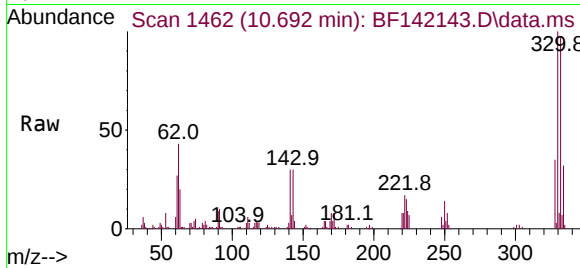




#42
 2,4,6-Tribromophenol
 Concen: 13.736 ng
 RT: 10.692 min Scan# 1462
 Delta R.T. -0.012 min
 Lab File: BF142143.D
 Acq: 28 Mar 2025 00:09

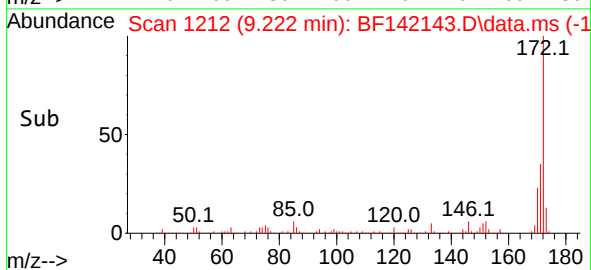
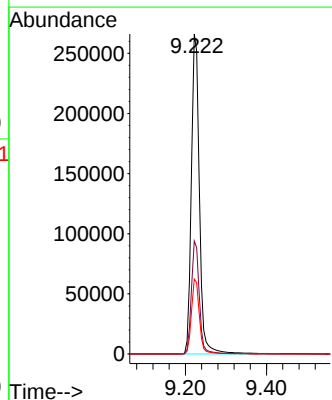
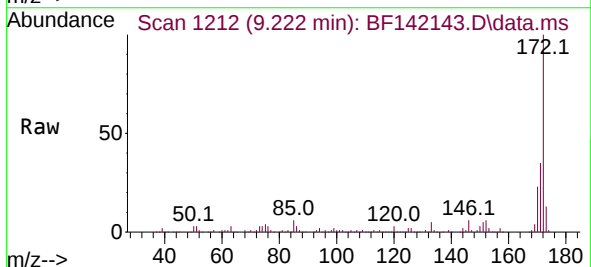
Instrument :
 BNA_F
 ClientSampleId :
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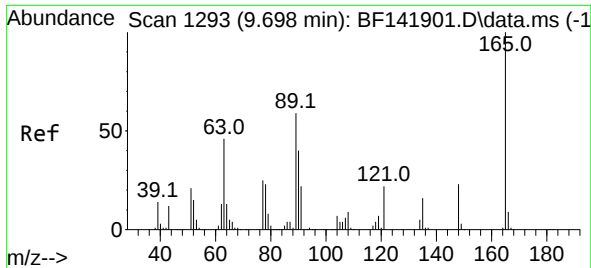
Tgt Ion:330 Resp: 55381
 Ion Ratio Lower Upper
 330 100
 332 98.7 77.6 116.4
 141 30.6 24.7 37.1



#45
 2-Fluorobiphenyl
 Concen: 17.518 ng
 RT: 9.222 min Scan# 1212
 Delta R.T. -0.018 min
 Lab File: BF142143.D
 Acq: 28 Mar 2025 00:09

Tgt Ion:172 Resp: 366082
 Ion Ratio Lower Upper
 172 100
 171 35.3 29.3 43.9
 170 23.4 19.4 29.0

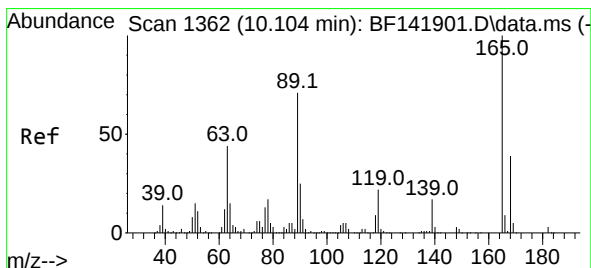
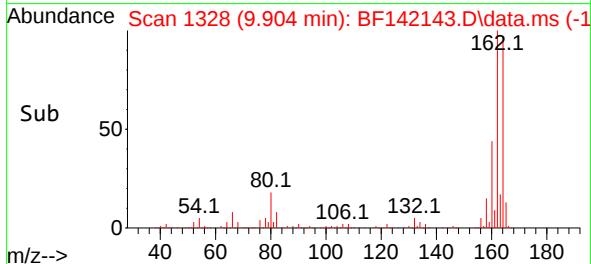
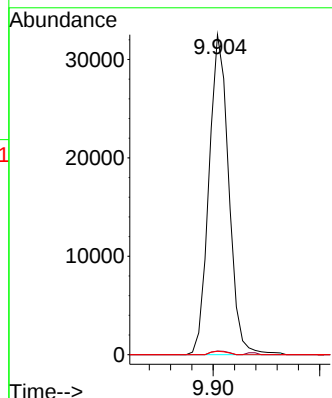
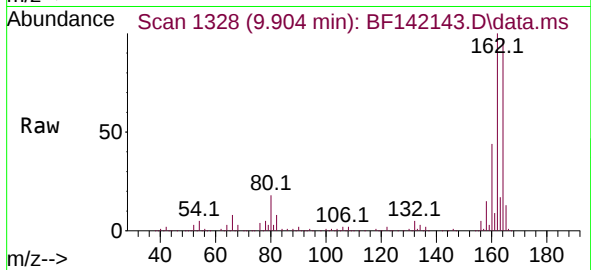




#51
2,6-Dinitrotoluene
Concen: 9.060 ng
RT: 9.904 min Scan# 11
Delta R.T. 0.206 min
Lab File: BF142143.D
Acq: 28 Mar 2025 00:09

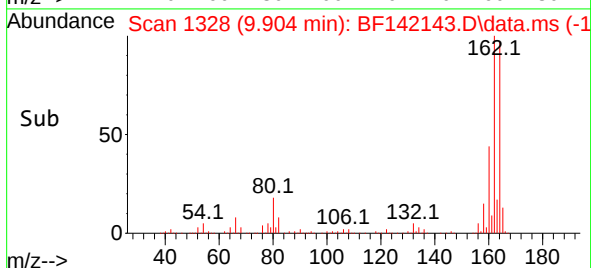
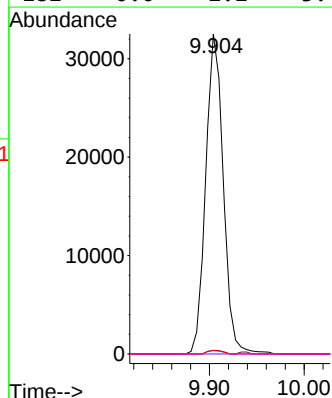
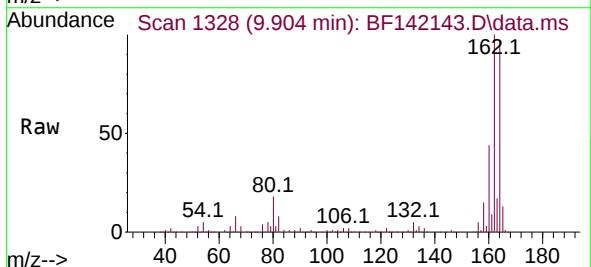
Instrument :
BNA_F
ClientSampleId :
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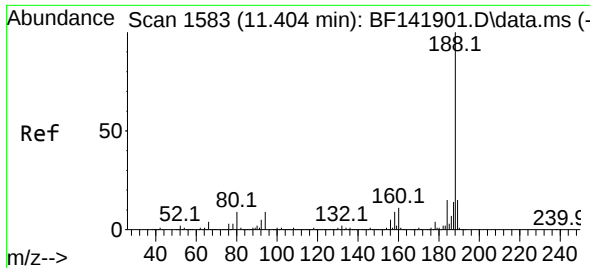
Tgt Ion:165 Resp: 41983
Ion Ratio Lower Upper
165 100
63 1.2 47.0 70.4#
89 1.0 47.4 71.2#



#57
2,4-Dinitrotoluene
Concen: 6.937 ng
RT: 9.904 min Scan# 1328
Delta R.T. -0.200 min
Lab File: BF142143.D
Acq: 28 Mar 2025 00:09

Tgt Ion:165 Resp: 41984
Ion Ratio Lower Upper
165 100
63 1.2 35.4 53.2#
89 1.0 56.6 84.8#
182 0.0 2.2 3.4#

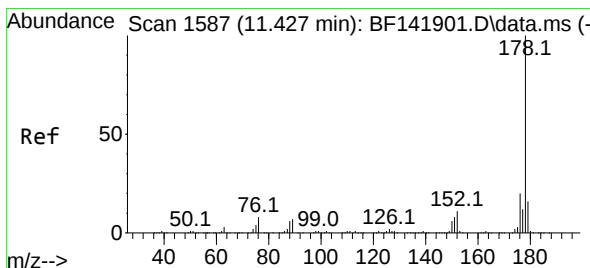
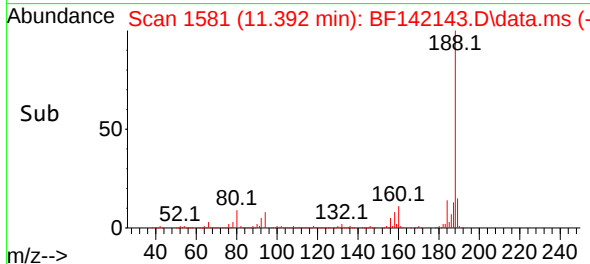
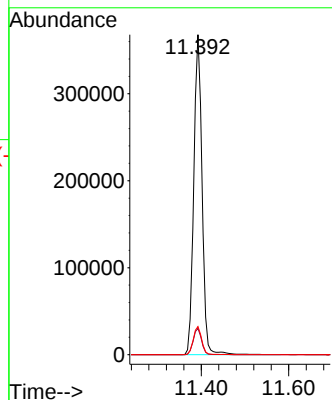
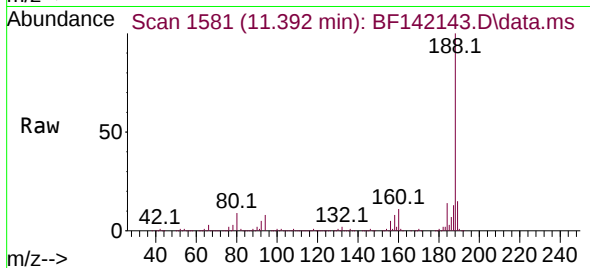




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.392 min Scan# 1581
Delta R.T. -0.012 min
Lab File: BF142143.D
Acq: 28 Mar 2025 00:09

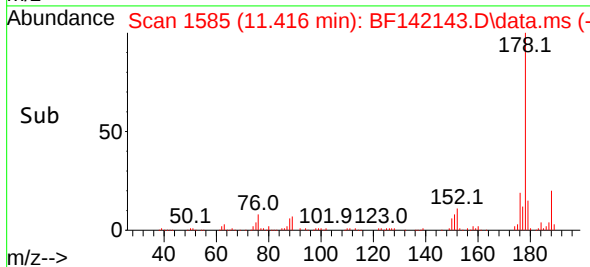
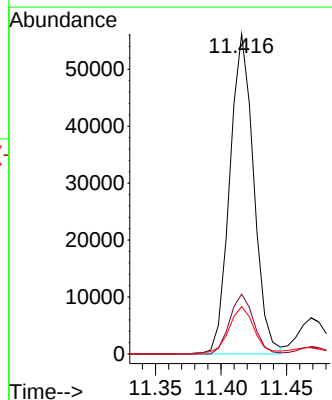
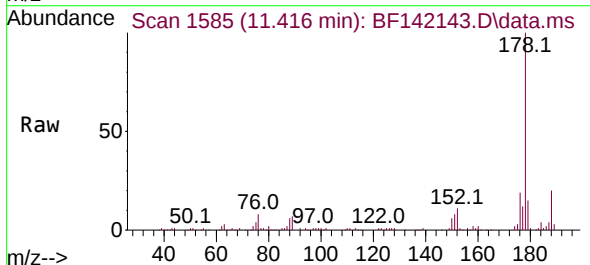
Instrument :
BNA_F
ClientSampleId :
351

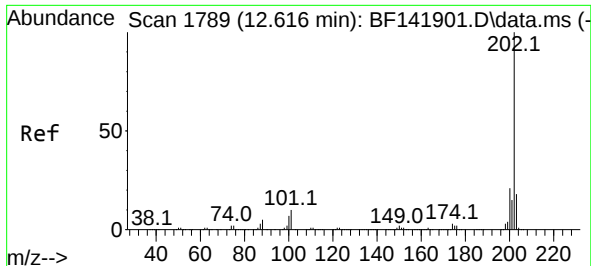
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Ion Ratio Lower Upper
188 100
94 8.2 6.8 10.2
80 8.8 7.6 11.4



#71
Phenanthrene
Concen: 2.732 ng
RT: 11.416 min Scan# 1585
Delta R.T. -0.012 min
Lab File: BF142143.D
Acq: 28 Mar 2025 00:09

Tgt Ion:178 Resp: 71298
Ion Ratio Lower Upper
178 100
176 18.7 15.8 23.8
179 14.8 12.6 19.0

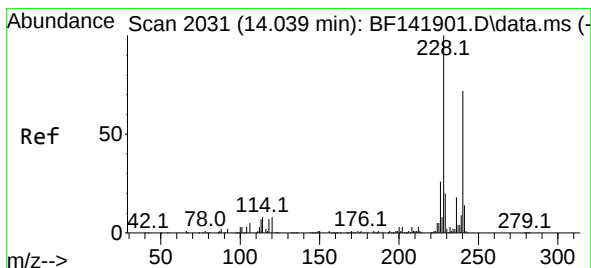
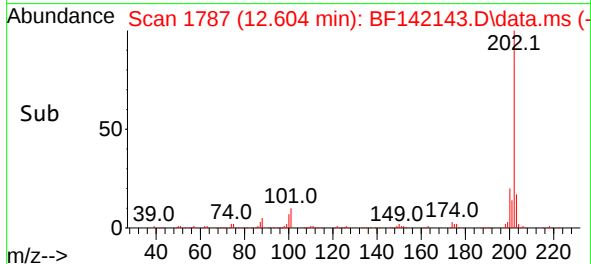
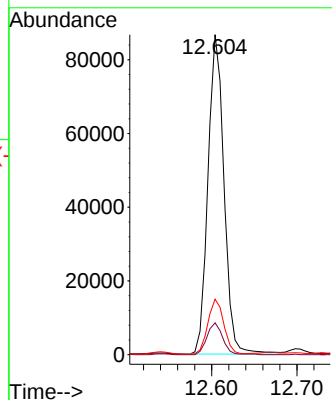
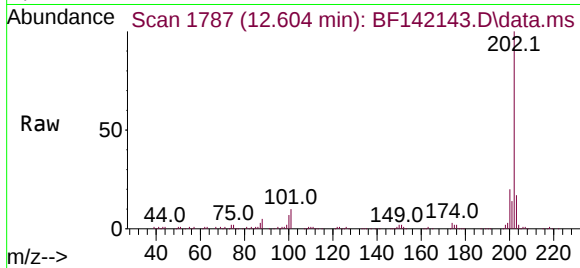




#75
Fluoranthene
Concen: 4.088 ng
RT: 12.604 min Scan# 11
Delta R.T. -0.012 min
Lab File: BF142143.D
Acq: 28 Mar 2025 00:09

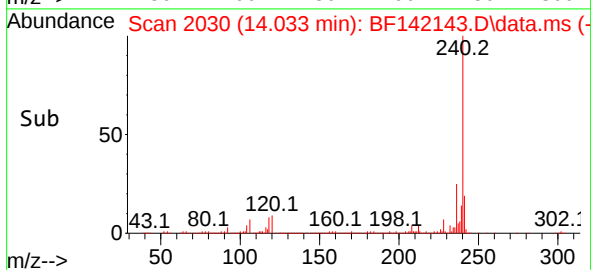
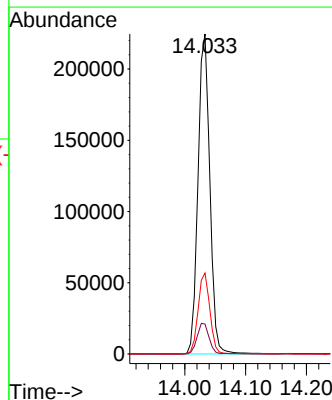
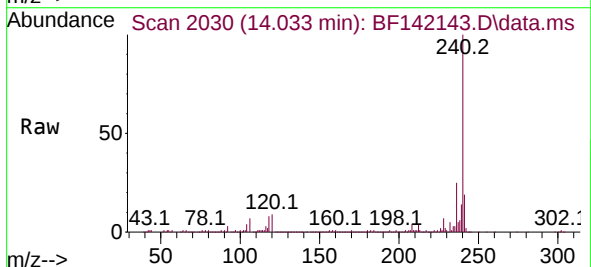
Instrument :
BNA_F
ClientSampleId :
351

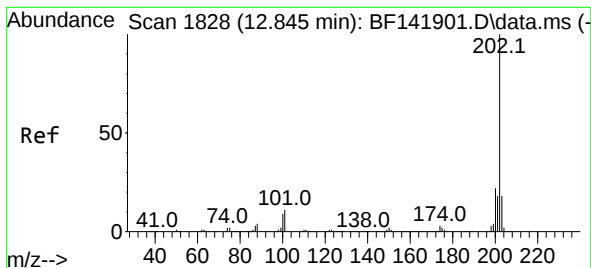
Tgt Ion:202 Resp: 113187
Ion Ratio Lower Upper
202 100
101 9.9 0.0 29.7
203 17.4 0.0 37.8



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.033 min Scan# 2030
Delta R.T. -0.006 min
Lab File: BF142143.D
Acq: 28 Mar 2025 00:09

Tgt Ion:240 Resp: 302368
Ion Ratio Lower Upper
240 100
120 9.3 8.4 12.6
236 25.3 20.5 30.7





#78

Pyrene

Concen: 4.306 ng

RT: 12.833 min Scan# 1826

Delta R.T. -0.012 min

Lab File: BF142143.D

Acq: 28 Mar 2025 00:09

Instrument :

BNA_F

ClientSampleId :

351

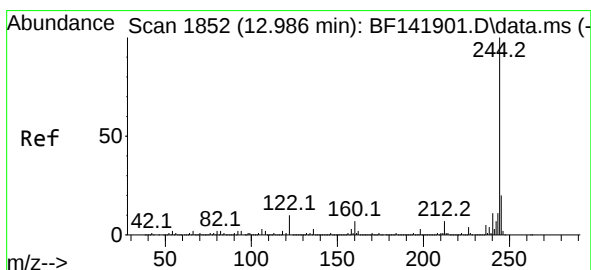
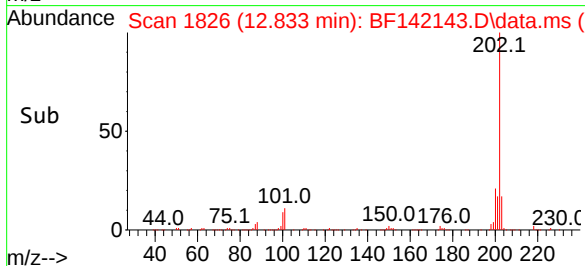
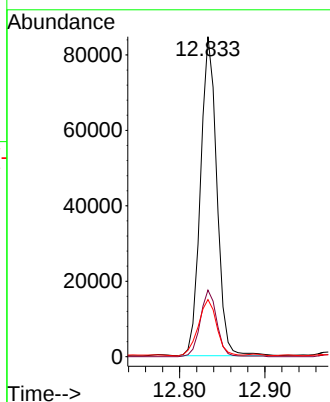
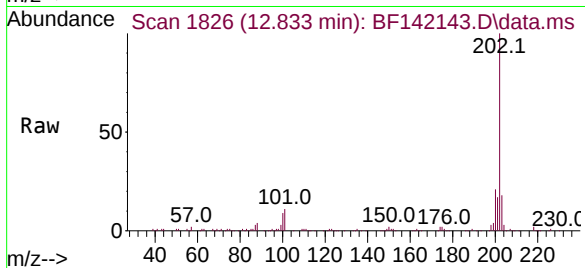
Tgt Ion:202 Resp: 112633

Ion Ratio Lower Upper

202 100

200 20.8 17.3 25.9

203 17.9 14.4 21.6



#79

Terphenyl-d14

Concen: 16.567 ng

RT: 12.974 min Scan# 1850

Delta R.T. -0.012 min

Lab File: BF142143.D

Acq: 28 Mar 2025 00:09

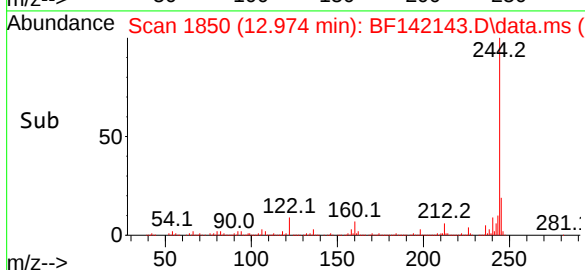
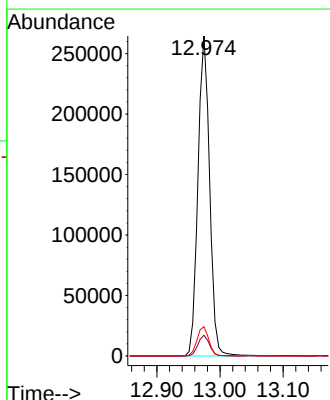
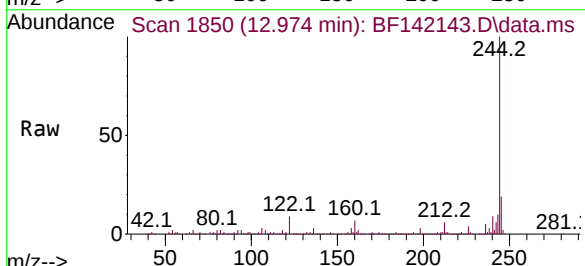
Tgt Ion:244 Resp: 338814

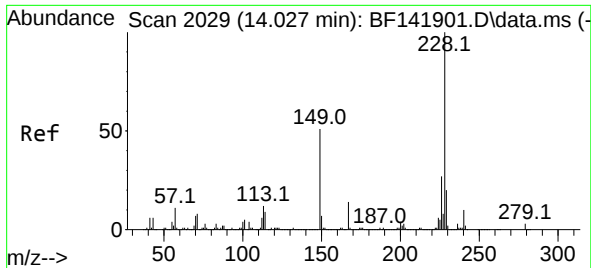
Ion Ratio Lower Upper

244 100

212 6.5 6.0 9.0

122 9.1 7.7 11.5

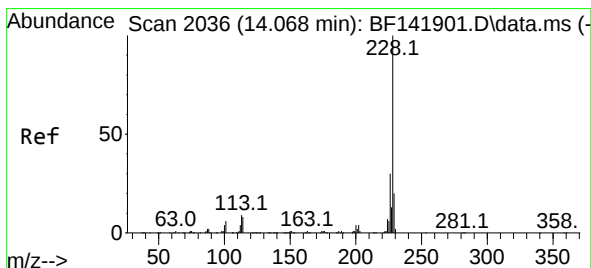
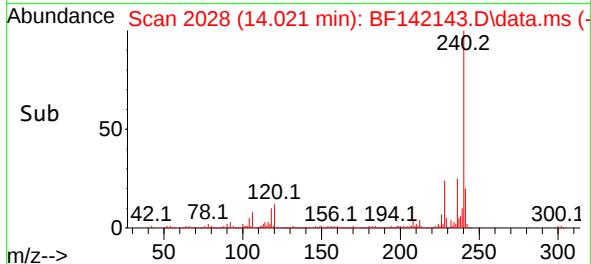
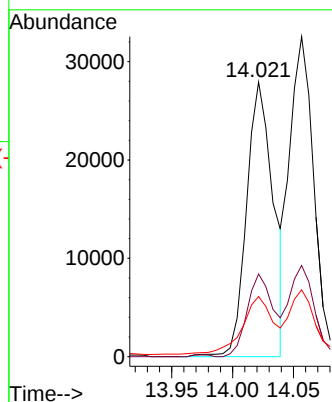
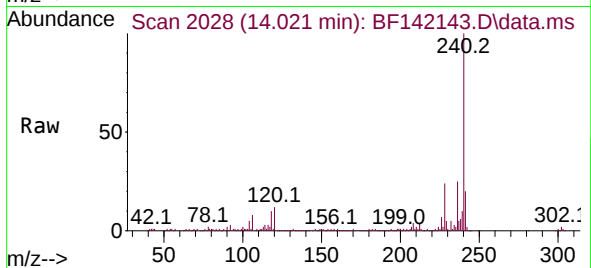




#81
Benzo(a)anthracene
Concen: 2.148 ng
RT: 14.021 min Scan# 2029
Delta R.T. -0.006 min
Lab File: BF142143.D
Acq: 28 Mar 2025 00:09

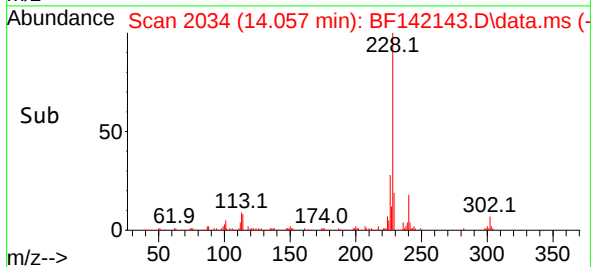
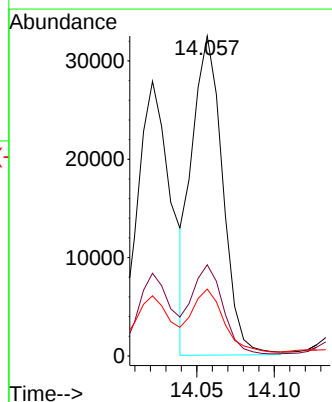
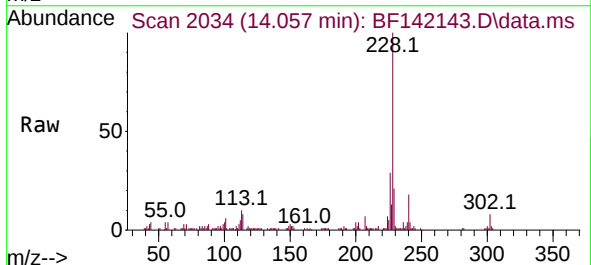
Instrument :
BNA_F
ClientSampleId :
351

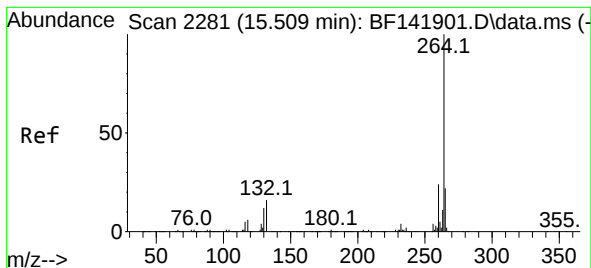
Tgt Ion:228 Resp: 42627
Ion Ratio Lower Upper
228 100
226 30.1 21.8 32.8
229 21.9 16.0 24.0



#83
Chrysene
Concen: 2.481 ng
RT: 14.057 min Scan# 2034
Delta R.T. -0.012 min
Lab File: BF142143.D
Acq: 28 Mar 2025 00:09

Tgt Ion:228 Resp: 44622
Ion Ratio Lower Upper
228 100
226 28.5 24.1 36.1
229 20.9 15.7 23.5





#86

Perylene-d12

Concen: 20.000 ng

RT: 15.510 min Scan# 21

Delta R.T. 0.000 min

Lab File: BF142143.D

Acq: 28 Mar 2025 00:09

Instrument :

BNA_F

ClientSampleId :

351

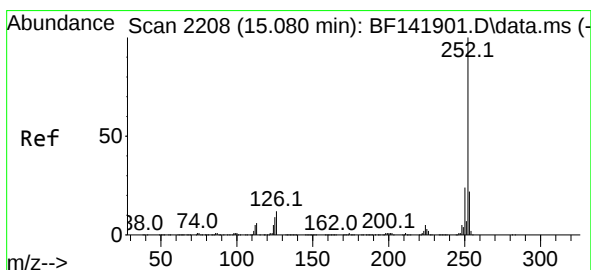
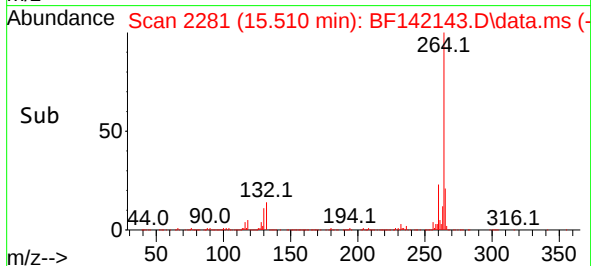
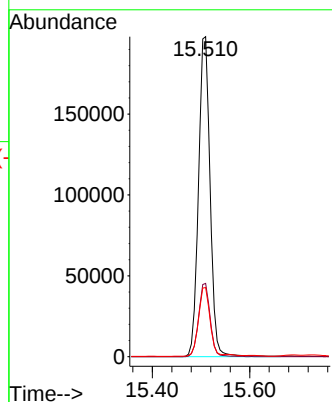
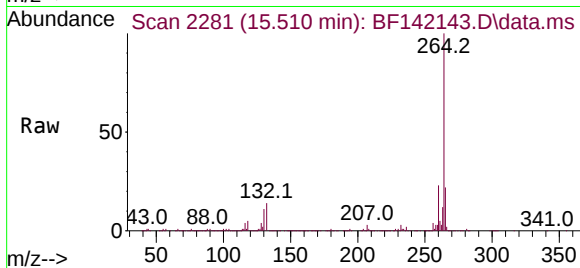
Tgt Ion:264 Resp: 328396

Ion Ratio Lower Upper

264 100

260 22.9 19.1 28.7

265 21.6 17.5 26.3



#88

Benzo(b)fluoranthene

Concen: 2.962 ng

RT: 15.074 min Scan# 2207

Delta R.T. -0.006 min

Lab File: BF142143.D

Acq: 28 Mar 2025 00:09

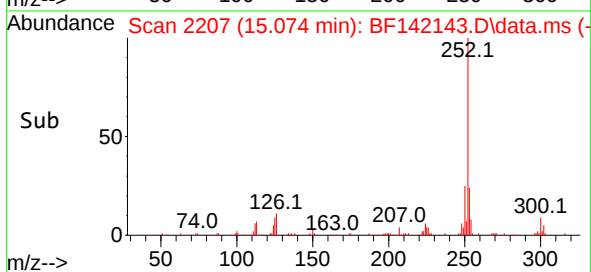
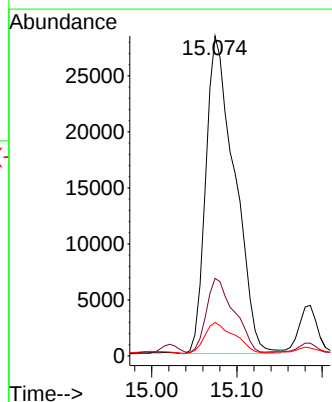
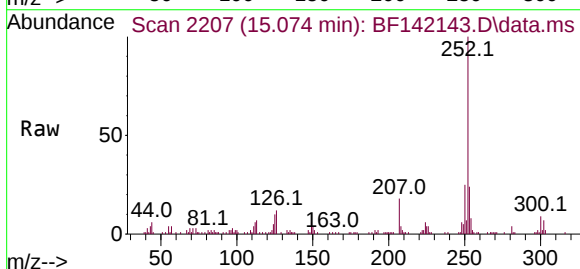
Tgt Ion:252 Resp: 66676

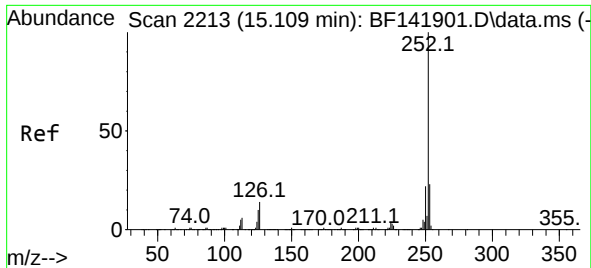
Ion Ratio Lower Upper

252 100

253 24.3 17.5 26.3

125 10.5 7.0 10.4#





#89

Benzo(k)fluoranthene

Concen: 3.462 ng

RT: 15.074 min Scan# 21

Delta R.T. -0.035 min

Lab File: BF142143.D

Acq: 28 Mar 2025 00:09

Instrument :

BNA_F

ClientSampleId :

351

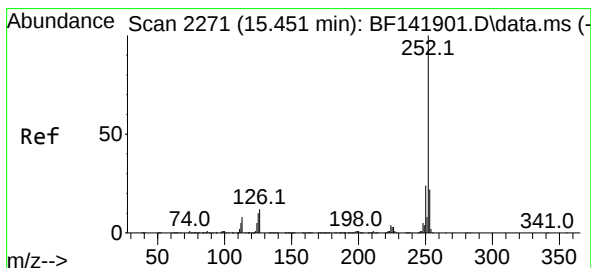
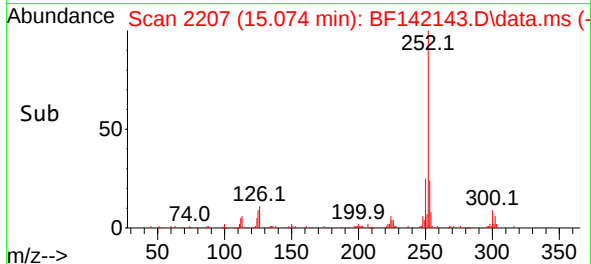
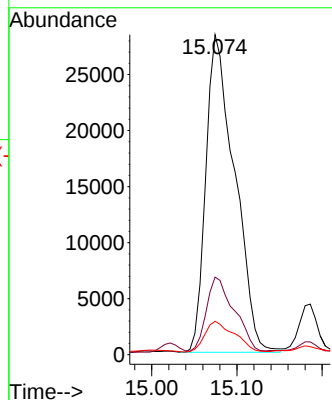
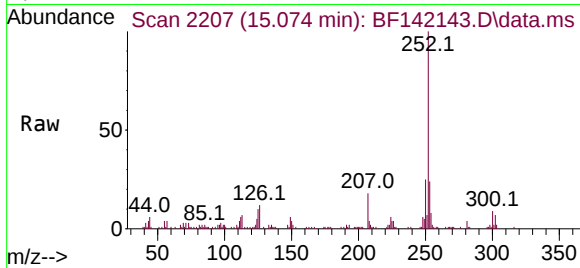
Tgt Ion:252 Resp: 66676

Ion Ratio Lower Upper

252 100

253 24.3 17.7 26.5

125 10.5 7.2 10.8



#90

Benzo(a)pyrene

Concen: 2.007 ng

RT: 15.439 min Scan# 2269

Delta R.T. -0.012 min

Lab File: BF142143.D

Acq: 28 Mar 2025 00:09

Tgt Ion:252 Resp: 35346

Ion Ratio Lower Upper

252 100

253 22.2 17.4 26.0

125 10.6 7.8 11.8

