

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF032725\
 Data File : BF142142.D
 Acq On : 27 Mar 2025 23:39
 Operator : RC/JU
 Sample : Q1648-13 5X
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TP-2

Quant Time: Mar 28 01:58:52 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

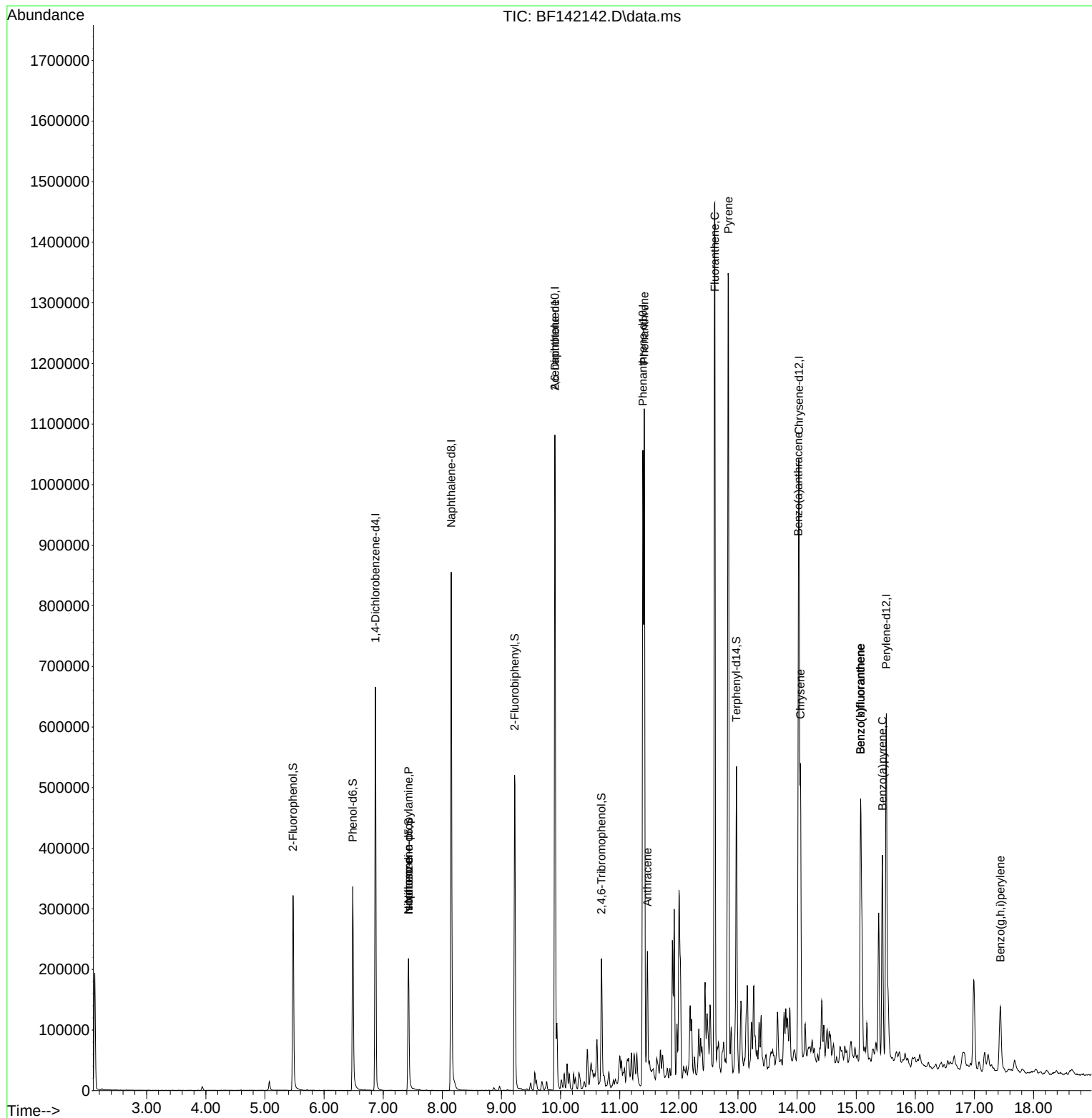
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.869	152	143753	20.000	ng	-0.01
21) Naphthalene-d8	8.151	136	584790	20.000	ng	-0.01
39) Acenaphthene-d10	9.904	164	328851	20.000	ng	-0.01
64) Phenanthrene-d10	11.392	188	537817	20.000	ng	-0.01
76) Chrysene-d12	14.033	240	315841	20.000	ng	0.00
86) Perylene-d12	15.509	264	345026	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.475	112	136751	15.877	ng	-0.02
7) Phenol-d6	6.487	99	175659	16.018	ng	-0.02
23) Nitrobenzene-d5	7.428	82	114134	10.983	ng	-0.02
42) 2,4,6-Tribromophenol	10.692	330	34825	8.347	ng	-0.01
45) 2-Fluorobiphenyl	9.222	172	255934	11.836	ng	-0.02
79) Terphenyl-d14	12.974	244	230092	10.771	ng	-0.01
Target Compounds						
19) n-Nitroso-di-n-propyla...	7.428	70	14855	2.108	ng	# 78
25) Isophorone	7.428	82	108358	5.899	ng	# 64
51) 2,6-Dinitrotoluene	9.904	165	43048	8.978	ng	# 23
71) Phenanthrene	11.416	178	586218	20.180	ng	99
72) Anthracene	11.469	178	124754	4.281	ng	98
75) Fluoranthene	12.610	202	851066	27.619	ng	99
78) Pyrene	12.839	202	799957	29.280	ng	99
81) Benzo(a)anthracene	14.021	228	305262	14.729	ng	99
83) Chrysene	14.057	228	251373	13.380	ng	98
88) Benzo(b)fluoranthene	15.074	252	388150	16.415	ng	99
89) Benzo(k)fluoranthene	15.074	252	388150	19.181	ng	100
90) Benzo(a)pyrene	15.445	252	218760	11.823	ng	98
92) Benzo(g,h,i)perylene	17.439	276	103944	5.712	ng	99

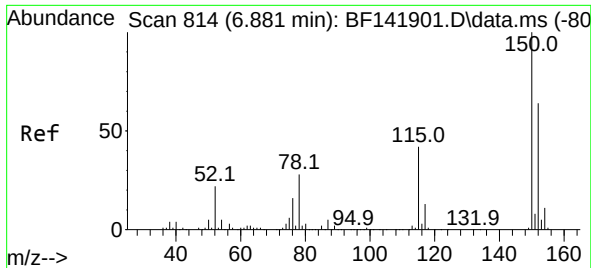
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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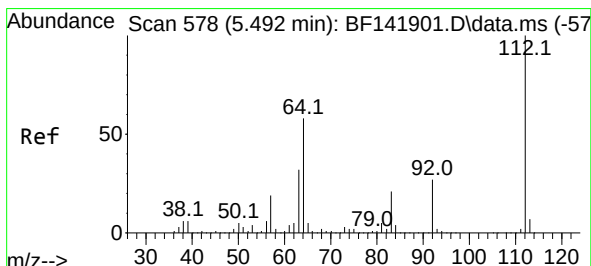
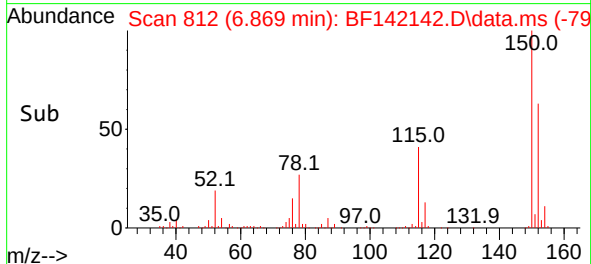
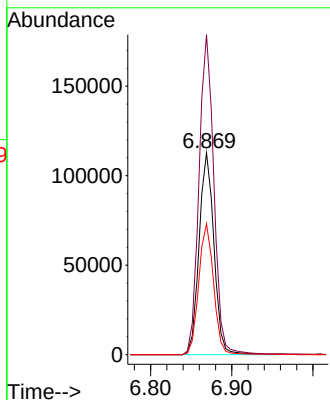
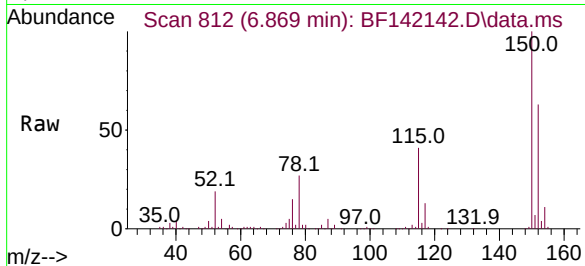




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.869 min Scan# 814
Delta R.T. -0.012 min
Lab File: BF142142.D
Acq: 27 Mar 2025 23:39

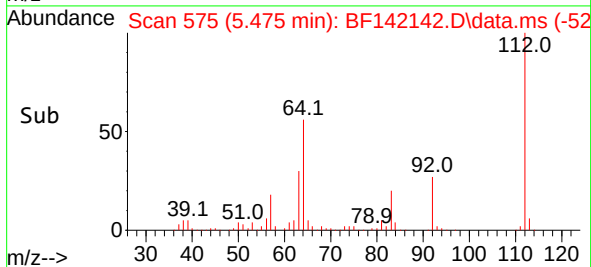
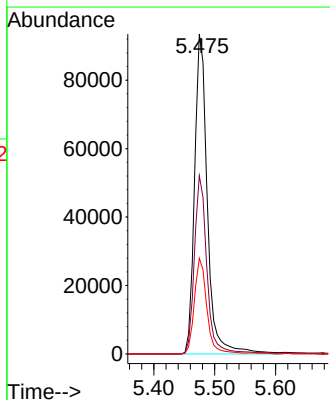
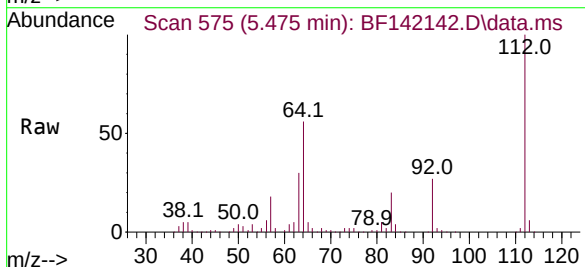
Instrument :
BNA_F
ClientSampleId :
TP-2

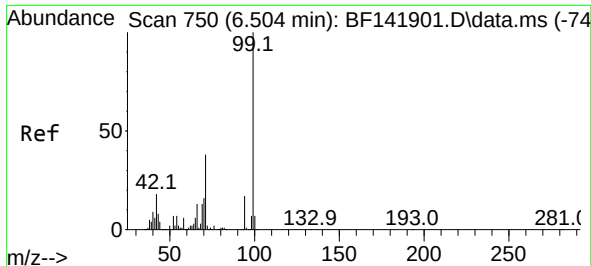
Tgt Ion:152 Resp: 143753
Ion Ratio Lower Upper
152 100
150 158.4 127.4 191.2
115 64.8 51.9 77.9



#5
2-Fluorophenol
Concen: 15.877 ng
RT: 5.475 min Scan# 575
Delta R.T. -0.018 min
Lab File: BF142142.D
Acq: 27 Mar 2025 23:39

Tgt Ion:112 Resp: 136751
Ion Ratio Lower Upper
112 100
64 55.7 46.5 69.7
63 29.9 25.4 38.2

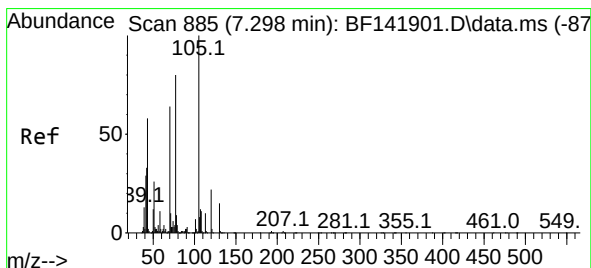
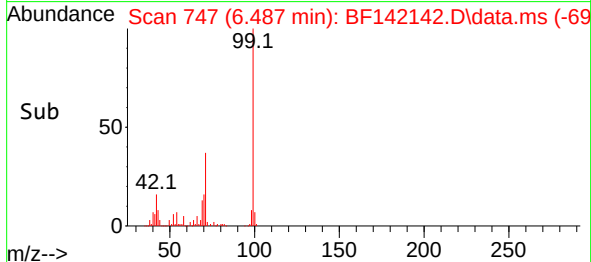
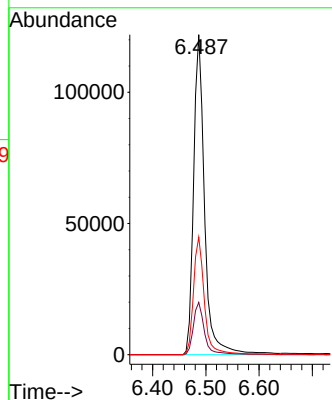
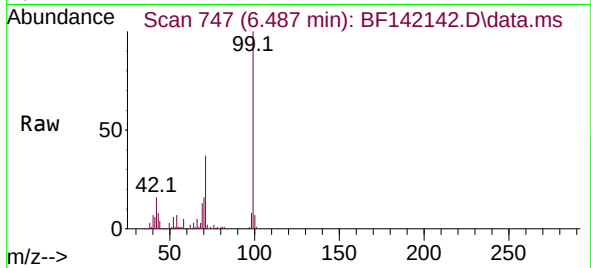




#7
Phenol-d6
Concen: 16.018 ng
RT: 6.487 min Scan# 74
Delta R.T. -0.018 min
Lab File: BF142142.D
Acq: 27 Mar 2025 23:39

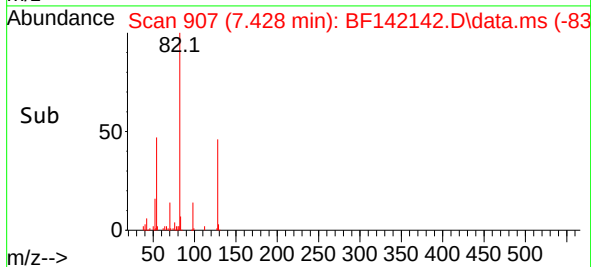
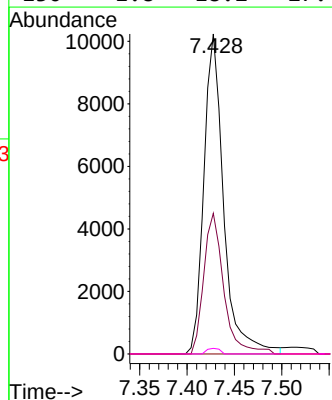
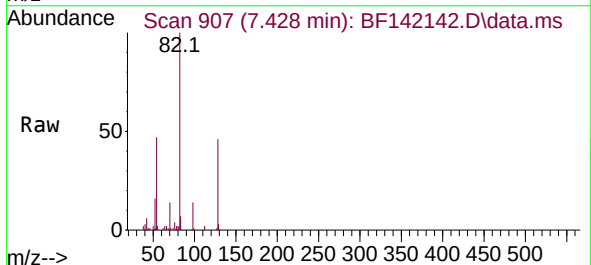
Instrument :
BNA_F
ClientSampleId :
TP-2

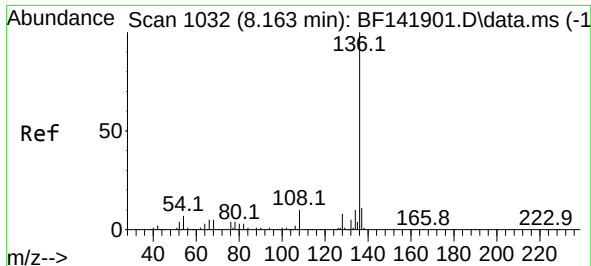
Tgt Ion: 99 Resp: 175659
Ion Ratio Lower Upper
99 100
42 16.3 14.6 21.8
71 36.8 30.8 46.2



#19
n-Nitroso-di-n-propylamine
Concen: 2.108 ng
RT: 7.428 min Scan# 907
Delta R.T. 0.129 min
Lab File: BF142142.D
Acq: 27 Mar 2025 23:39

Tgt Ion: 70 Resp: 14855
Ion Ratio Lower Upper
70 100
42 44.0 41.4 62.0
101 0.0 8.2 12.2#
130 1.8 18.2 27.4#



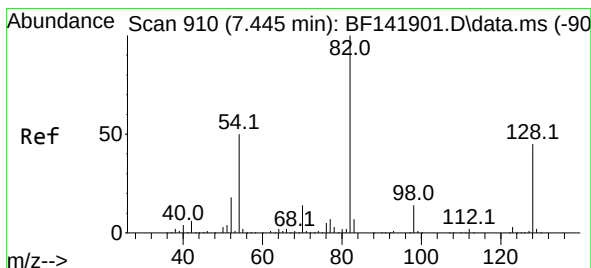
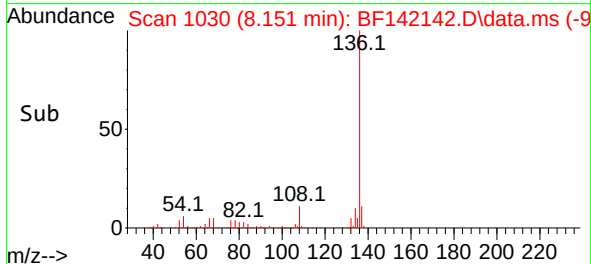
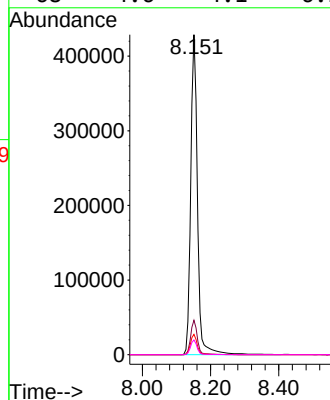
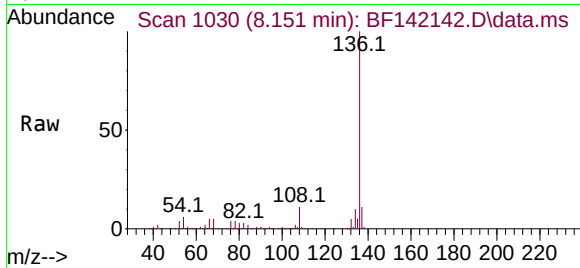


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.151 min Scan# 1
Delta R.T. -0.012 min
Lab File: BF142142.D
Acq: 27 Mar 2025 23:39

Instrument :
BNA_F
ClientSampleId :
TP-2

Tgt Ion:136 Resp: 584790

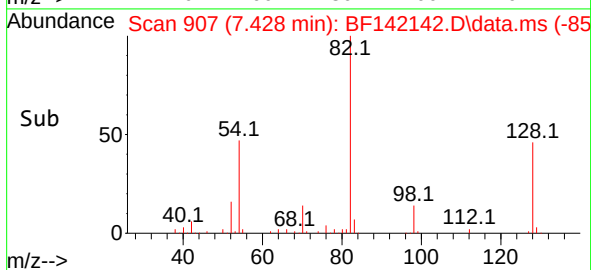
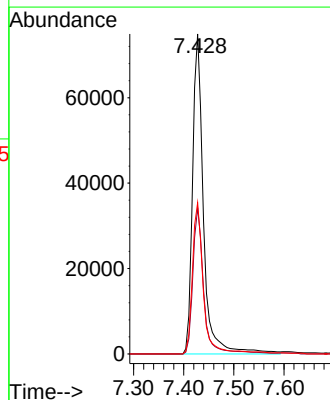
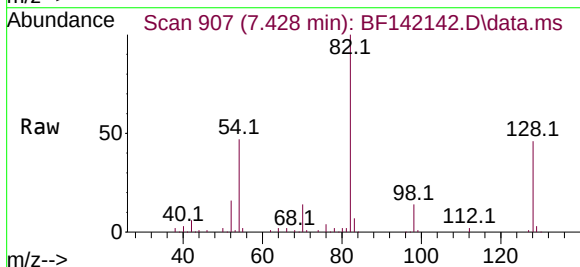
Ion	Ratio	Lower	Upper
136	100		
137	10.8	8.8	13.2
54	6.4	5.8	8.8
68	4.6	4.1	6.1

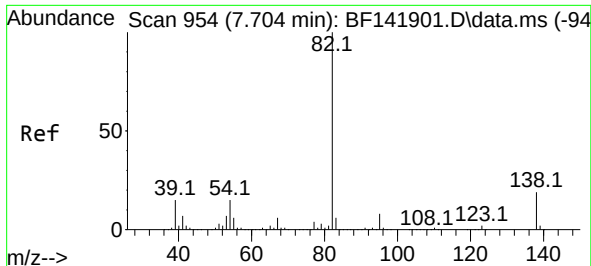


#23
Nitrobenzene-d5
Concen: 10.983 ng
RT: 7.428 min Scan# 907
Delta R.T. -0.018 min
Lab File: BF142142.D
Acq: 27 Mar 2025 23:39

Tgt Ion: 82 Resp: 114134

Ion	Ratio	Lower	Upper
82	100		
128	45.6	36.0	54.0
54	47.3	39.6	59.4

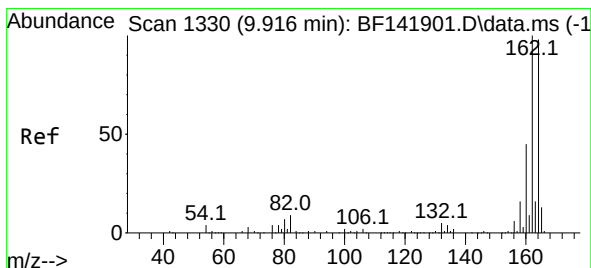
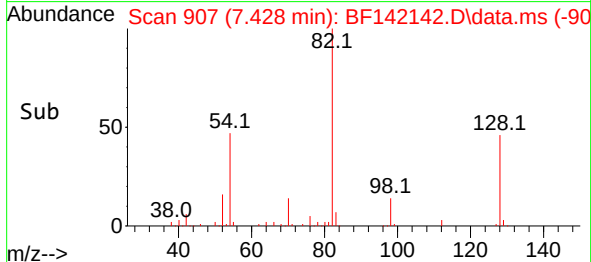
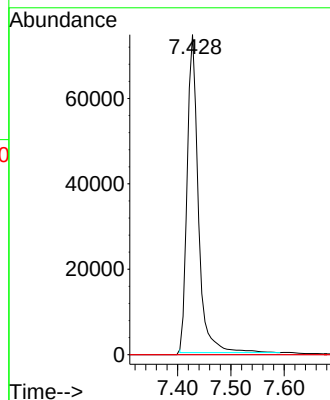
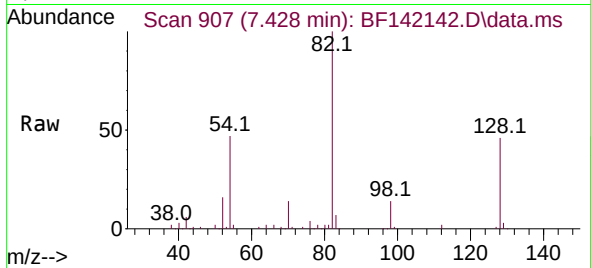




#25
Isophorone
Concen: 5.899 ng
RT: 7.428 min Scan# 90
Delta R.T. -0.276 min
Lab File: BF142142.D
Acq: 27 Mar 2025 23:39

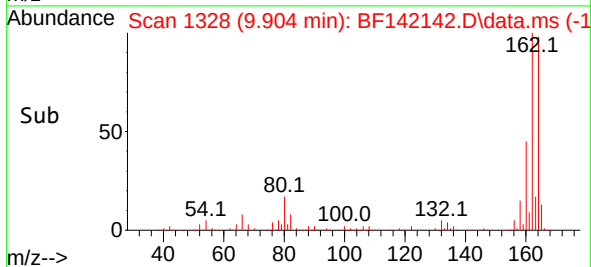
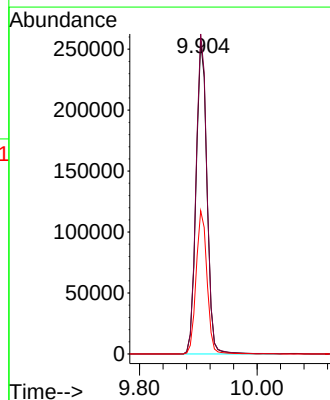
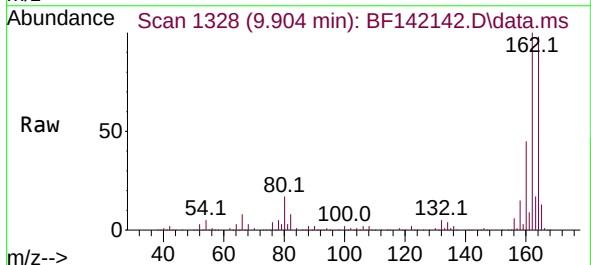
Instrument :
BNA_F
ClientSampleId :
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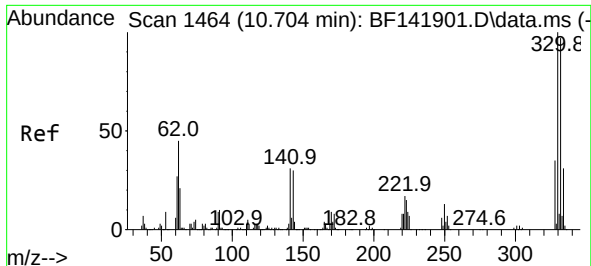
Tgt Ion: 82 Resp: 108358
Ion Ratio Lower Upper
82 100
95 0.0 6.4 9.6#
138 0.0 14.9 22.3#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.904 min Scan# 1328
Delta R.T. -0.012 min
Lab File: BF142142.D
Acq: 27 Mar 2025 23:39

Tgt Ion:164 Resp: 328851
Ion Ratio Lower Upper
164 100
162 102.3 81.8 122.6
160 45.8 36.7 55.1





#42

2,4,6-Tribromophenol

Concen: 8.347 ng

RT: 10.692 min Scan# 1462

Delta R.T. -0.012 min

Lab File: BF142142.D

Acq: 27 Mar 2025 23:39

Instrument :

BNA_F

ClientSampleId :

TP-2

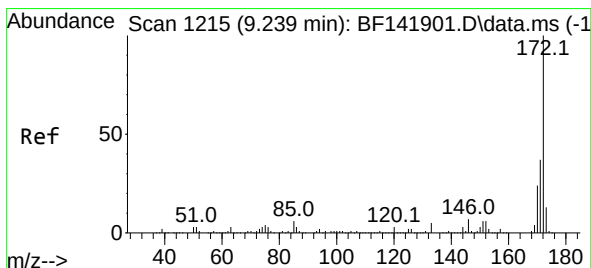
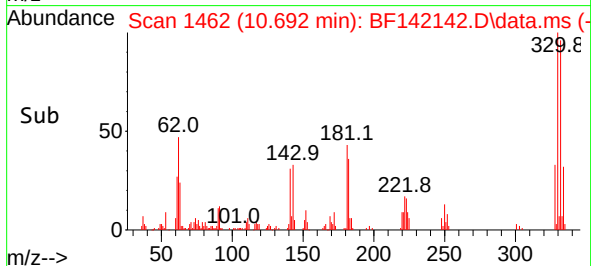
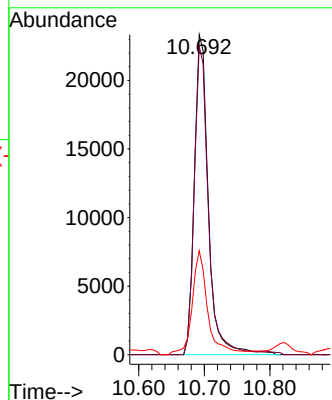
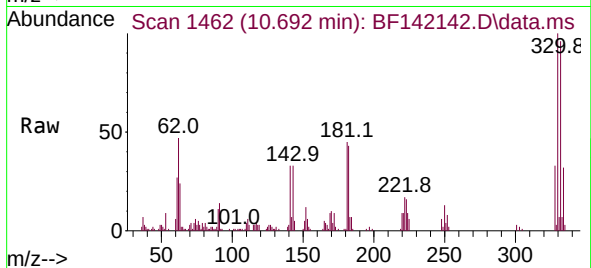
Tgt Ion:330 Resp: 34825

Ion Ratio Lower Upper

330 100

332 96.4 77.6 116.4

141 36.1 24.7 37.1



#45

2-Fluorobiphenyl

Concen: 11.836 ng

RT: 9.222 min Scan# 1212

Delta R.T. -0.018 min

Lab File: BF142142.D

Acq: 27 Mar 2025 23:39

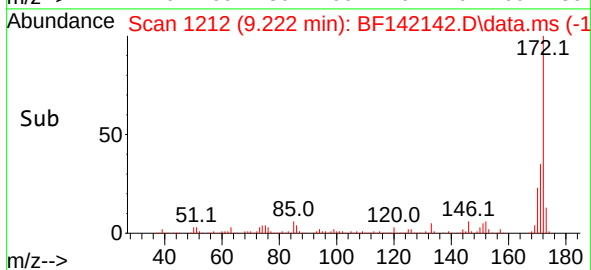
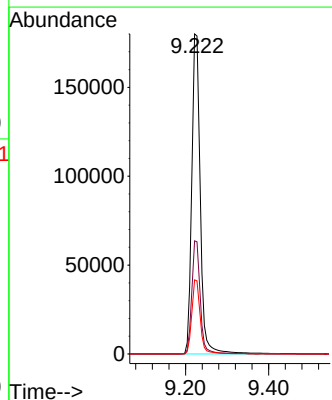
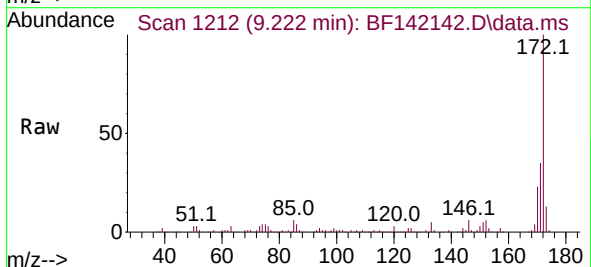
Tgt Ion:172 Resp: 255934

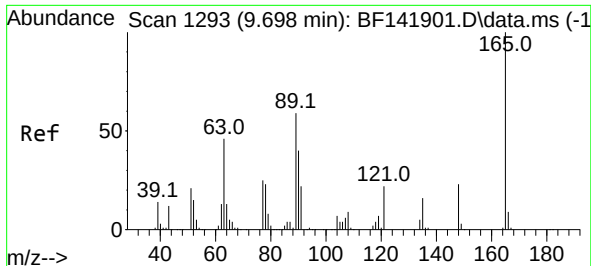
Ion Ratio Lower Upper

172 100

171 35.4 29.3 43.9

170 23.1 19.4 29.0

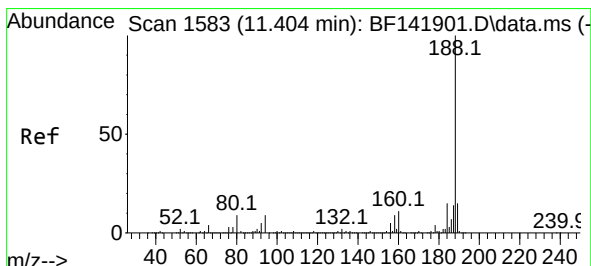
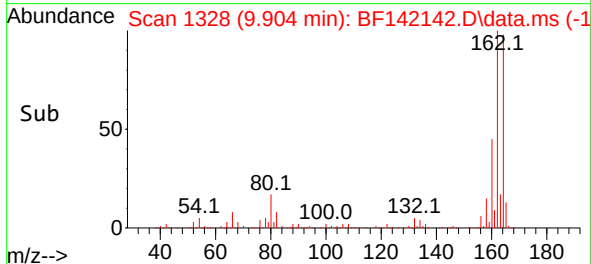
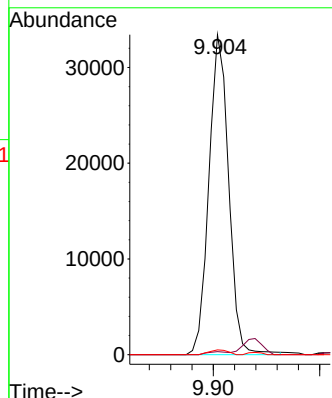
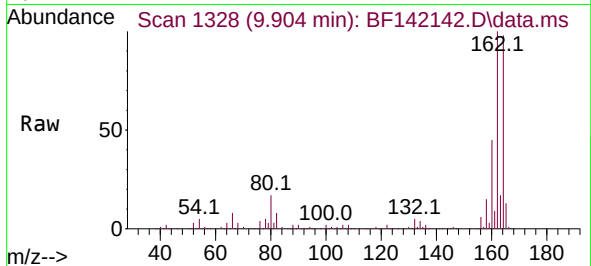




#51
2,6-Dinitrotoluene
Concen: 8.978 ng
RT: 9.904 min Scan# 11
Delta R.T. 0.206 min
Lab File: BF142142.D
Acq: 27 Mar 2025 23:39

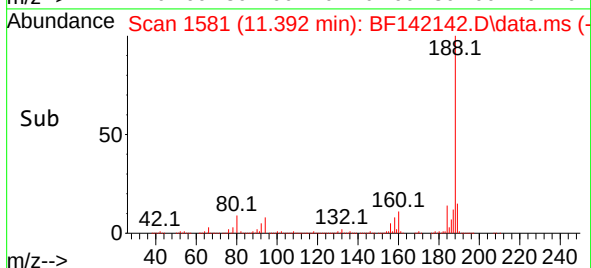
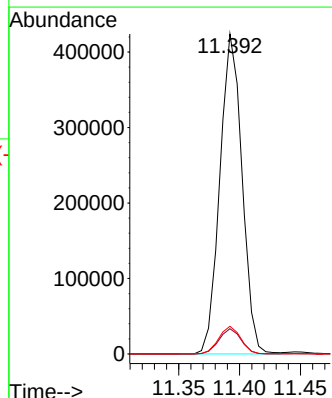
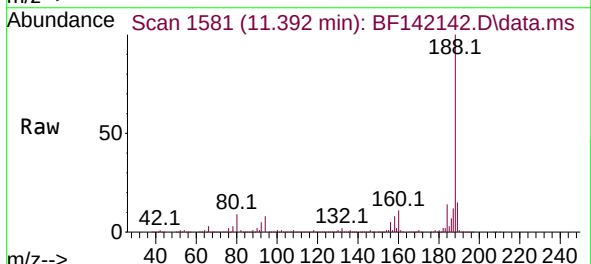
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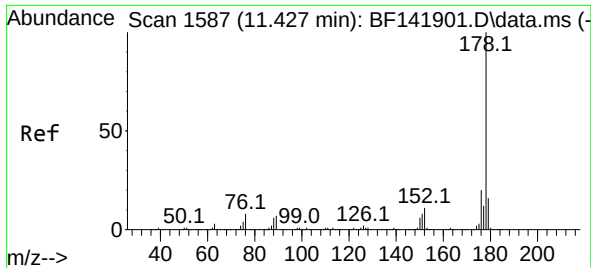
Tgt Ion:165 Resp: 43048
Ion Ratio Lower Upper
165 100
63 0.9 47.0 70.4#
89 1.5 47.4 71.2#



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.392 min Scan# 1581
Delta R.T. -0.012 min
Lab File: BF142142.D
Acq: 27 Mar 2025 23:39

Tgt Ion:188 Resp: 537817
Ion Ratio Lower Upper
188 100
94 7.9 6.8 10.2
80 8.6 7.6 11.4

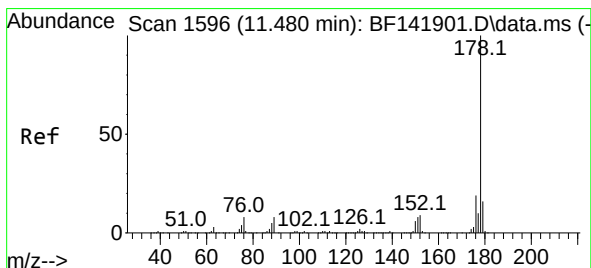
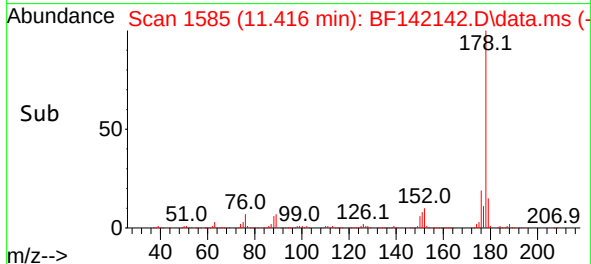
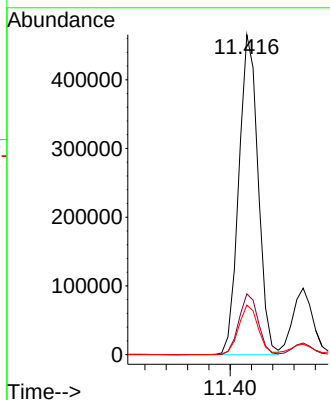
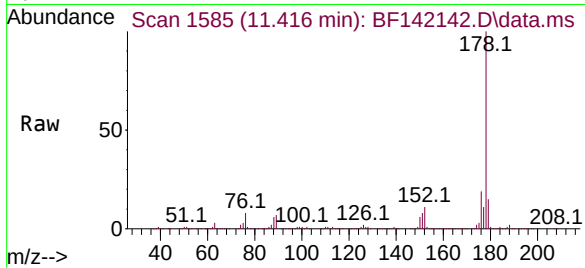




#71
Phenanthrene
Concen: 20.180 ng
RT: 11.416 min Scan# 11
Delta R.T. -0.012 min
Lab File: BF142142.D
Acq: 27 Mar 2025 23:39

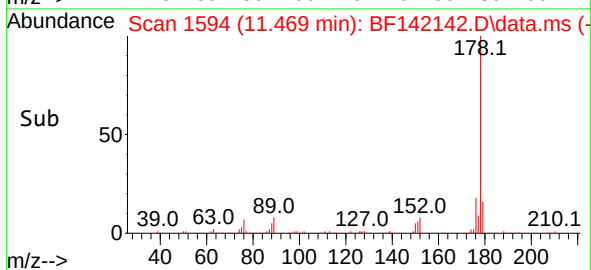
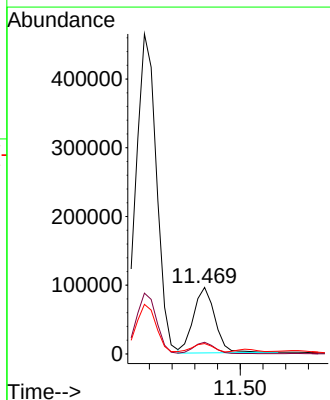
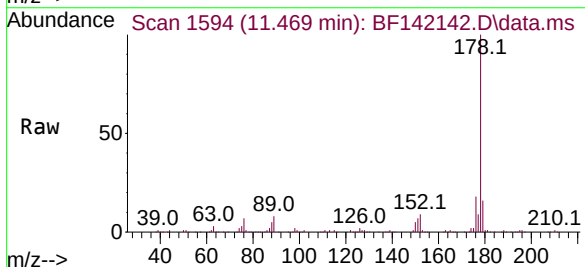
Instrument :
BNA_F
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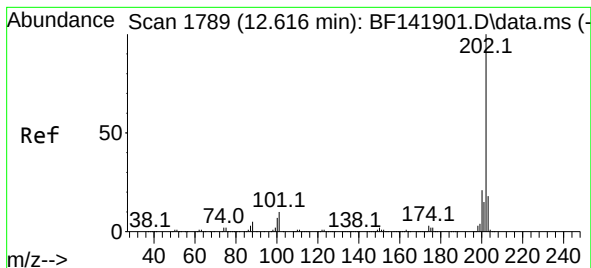
Tgt Ion:178 Resp: 586218
Ion Ratio Lower Upper
178 100
176 19.0 15.8 23.8
179 15.5 12.6 19.0



#72
Anthracene
Concen: 4.281 ng
RT: 11.469 min Scan# 1594
Delta R.T. -0.012 min
Lab File: BF142142.D
Acq: 27 Mar 2025 23:39

Tgt Ion:178 Resp: 124754
Ion Ratio Lower Upper
178 100
176 17.6 15.1 22.7
179 15.8 12.6 19.0





#75

Fluoranthene

Concen: 27.619 ng

RT: 12.610 min Scan# 1

Delta R.T. -0.006 min

Lab File: BF142142.D

Acq: 27 Mar 2025 23:39

Instrument :

BNA_F

ClientSampleId :

TP-2

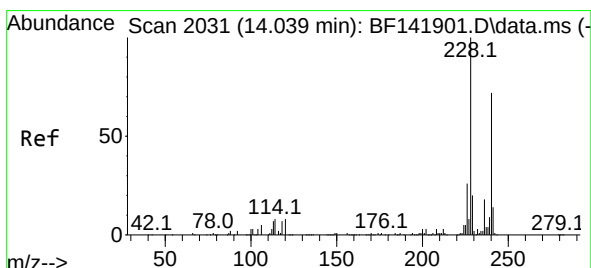
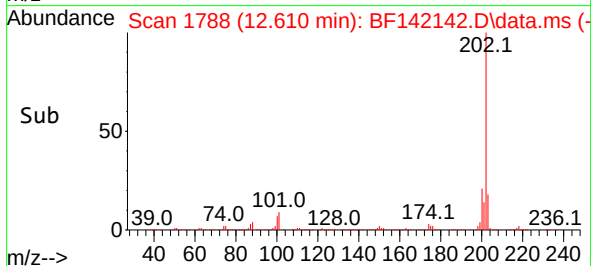
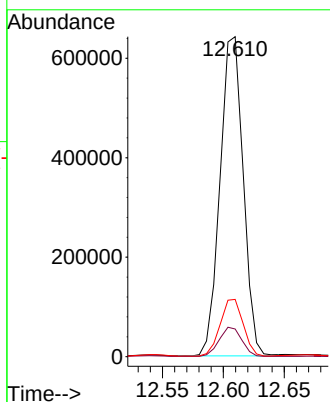
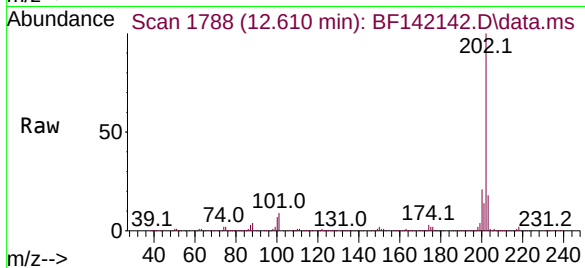
Tgt Ion:202 Resp: 851066

Ion Ratio Lower Upper

202 100

101 8.6 0.0 29.7

203 17.9 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: BF142142.D

Acq: 27 Mar 2025 23:39

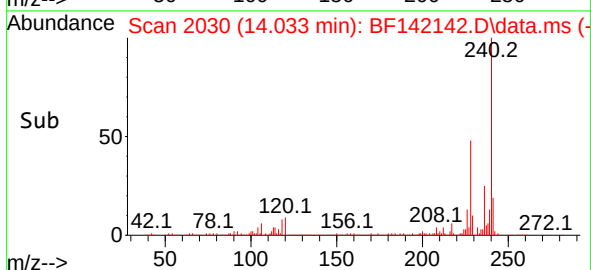
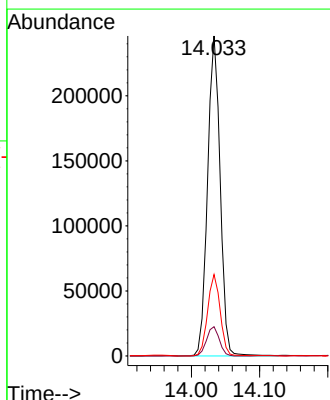
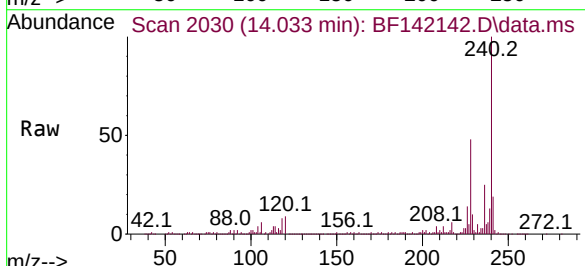
Tgt Ion:240 Resp: 315841

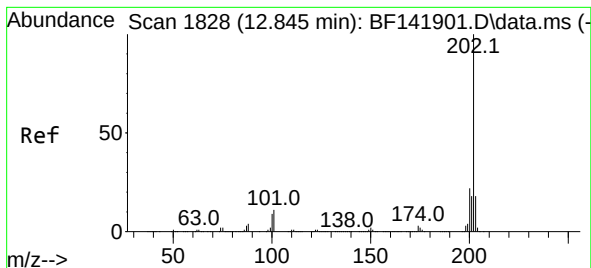
Ion Ratio Lower Upper

240 100

120 9.2 8.4 12.6

236 25.4 20.5 30.7





#78

Pyrene

Concen: 29.280 ng

RT: 12.839 min Scan# 1827

Delta R.T. -0.006 min

Lab File: BF142142.D

Acq: 27 Mar 2025 23:39

Instrument :

BNA_F

ClientSampleId :

TP-2

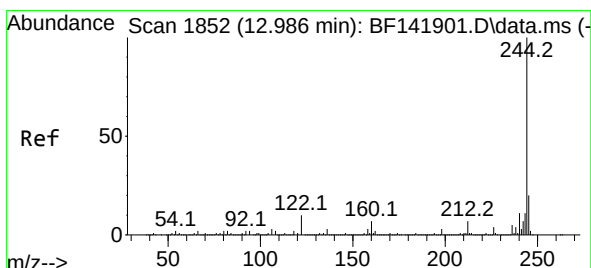
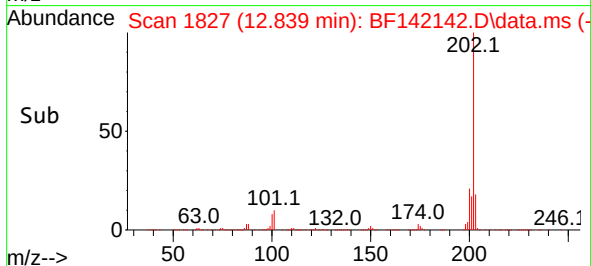
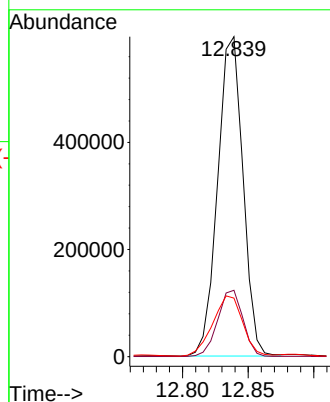
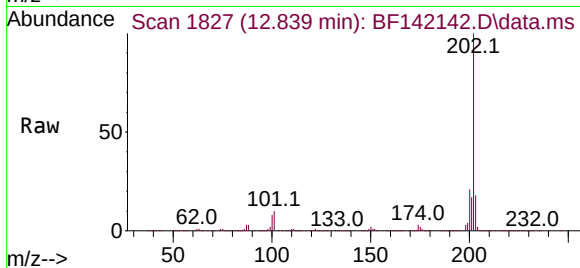
Tgt Ion:202 Resp: 799957

Ion Ratio Lower Upper

202 100

200 20.7 17.3 25.9

203 18.3 14.4 21.6



#79

Terphenyl-d14

Concen: 10.771 ng

RT: 12.974 min Scan# 1850

Delta R.T. -0.012 min

Lab File: BF142142.D

Acq: 27 Mar 2025 23:39

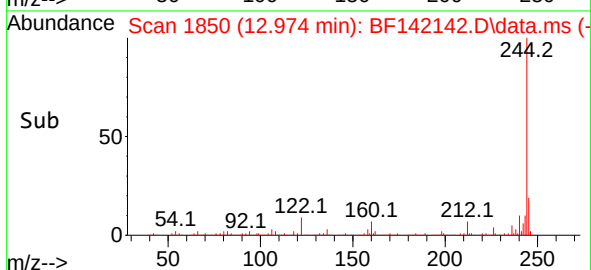
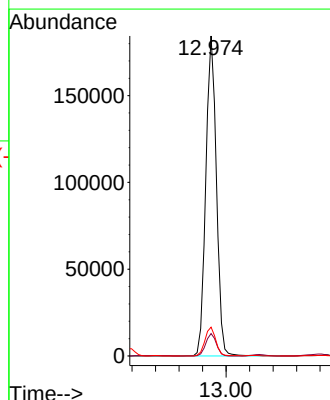
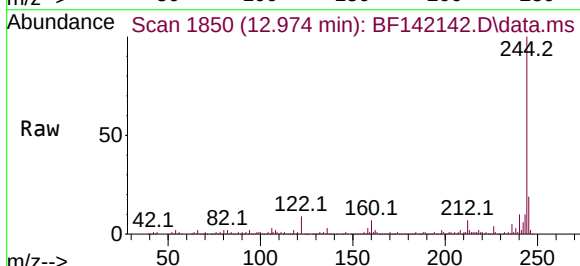
Tgt Ion:244 Resp: 230092

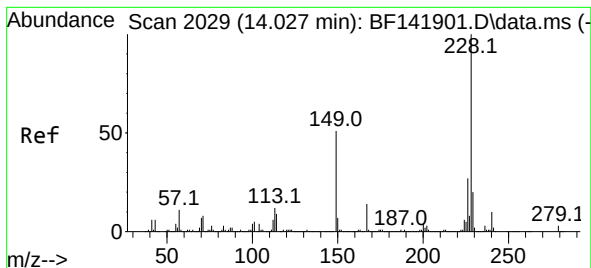
Ion Ratio Lower Upper

244 100

212 7.0 6.0 9.0

122 9.0 7.7 11.5





#81

Benzo(a)anthracene

Concen: 14.729 ng

RT: 14.021 min Scan# 2029

Delta R.T. -0.006 min

Lab File: BF142142.D

Acq: 27 Mar 2025 23:39

Instrument :

BNA_F

ClientSampleId :

TP-2

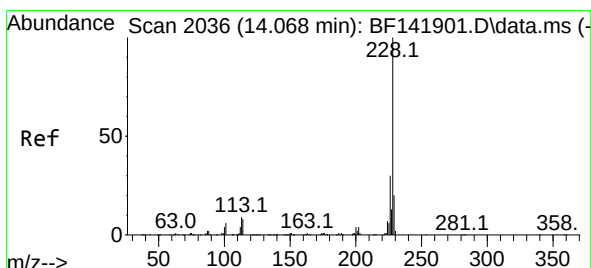
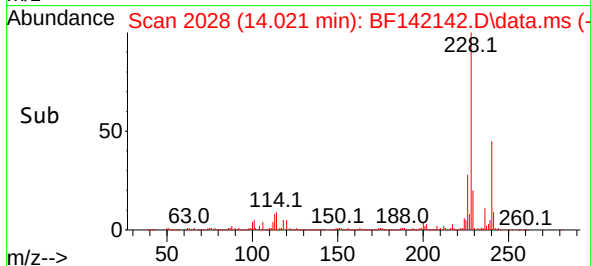
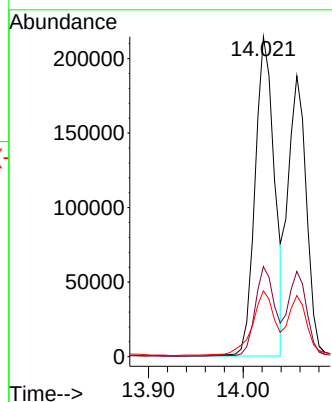
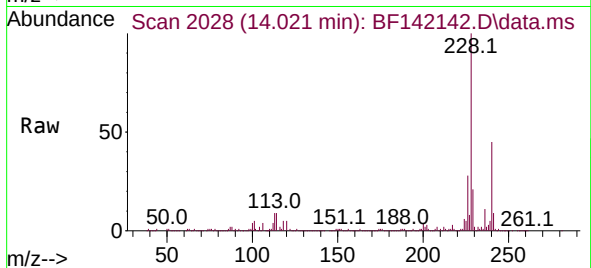
Tgt Ion:228 Resp: 305262

Ion Ratio Lower Upper

228 100

226 28.1 21.8 32.8

229 20.5 16.0 24.0



#83

Chrysene

Concen: 13.380 ng

RT: 14.057 min Scan# 2034

Delta R.T. -0.012 min

Lab File: BF142142.D

Acq: 27 Mar 2025 23:39

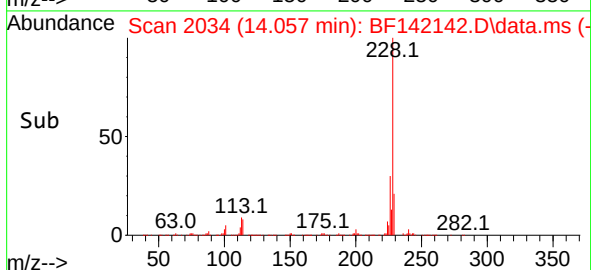
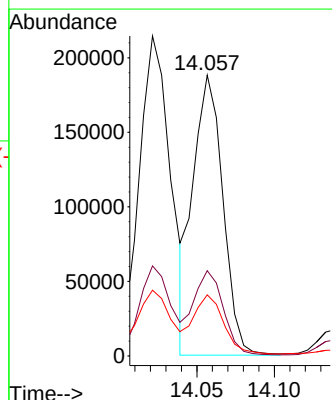
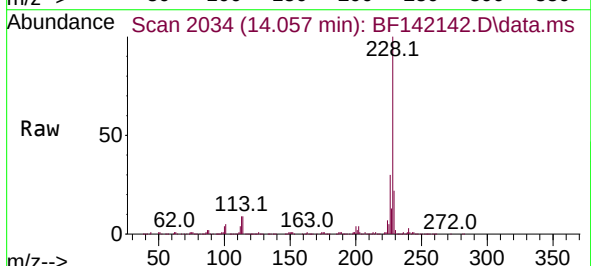
Tgt Ion:228 Resp: 251373

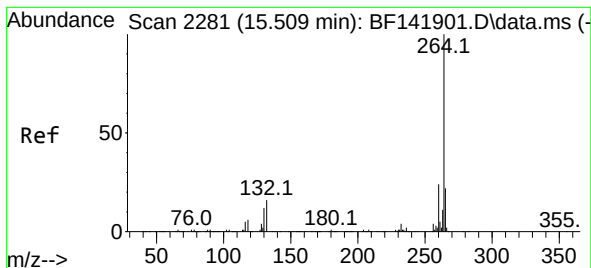
Ion Ratio Lower Upper

228 100

226 30.4 24.1 36.1

229 21.8 15.7 23.5





#86

Perylene-d12

Concen: 20.000 ng

RT: 15.509 min Scan# 21

Delta R.T. 0.000 min

Lab File: BF142142.D

Acq: 27 Mar 2025 23:39

Instrument :

BNA_F

ClientSampleId :

TP-2

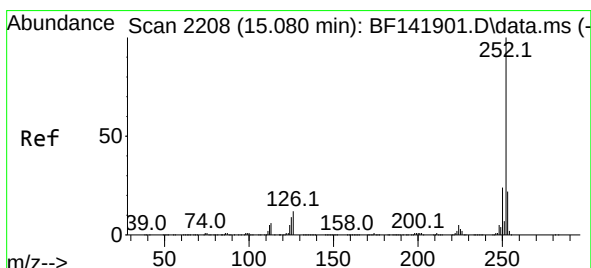
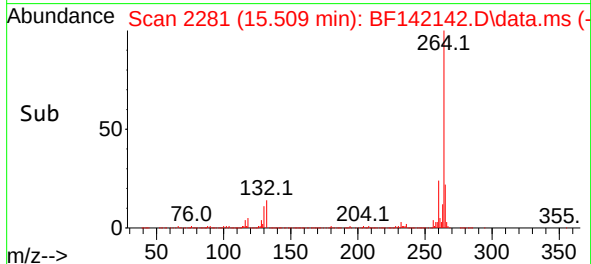
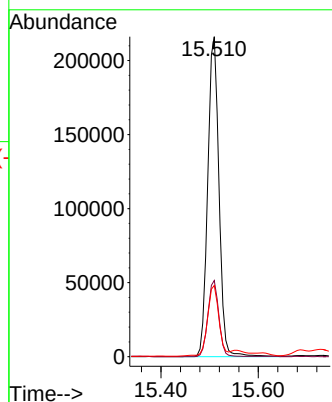
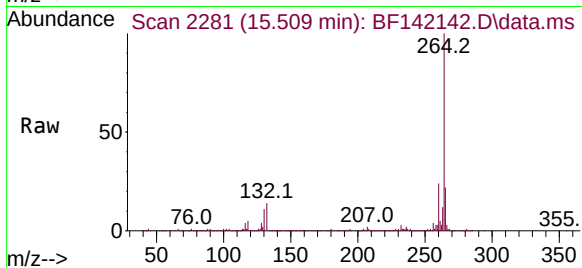
Tgt Ion:264 Resp: 345026

Ion Ratio Lower Upper

264 100

260 23.8 19.1 28.7

265 22.2 17.5 26.3



#88

Benzo(b)fluoranthene

Concen: 16.415 ng

RT: 15.074 min Scan# 2207

Delta R.T. -0.006 min

Lab File: BF142142.D

Acq: 27 Mar 2025 23:39

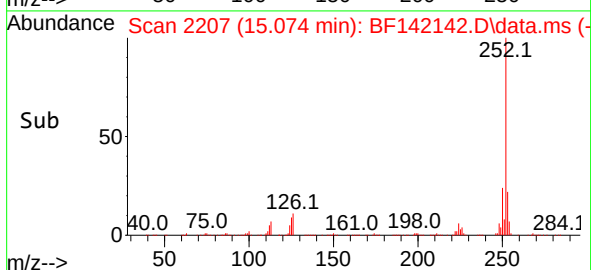
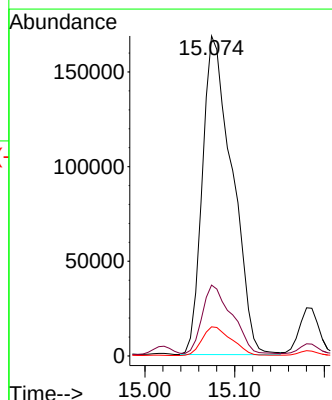
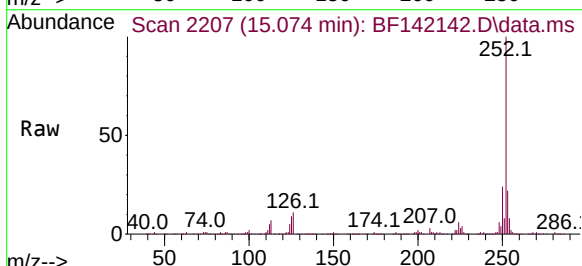
Tgt Ion:252 Resp: 388150

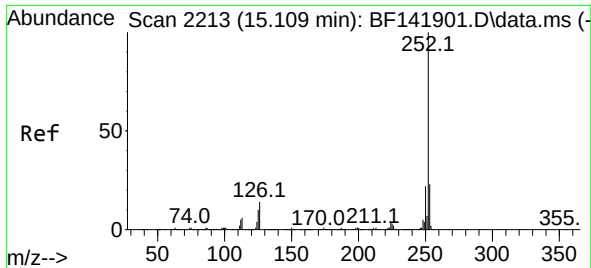
Ion Ratio Lower Upper

252 100

253 22.2 17.5 26.3

125 9.1 7.0 10.4

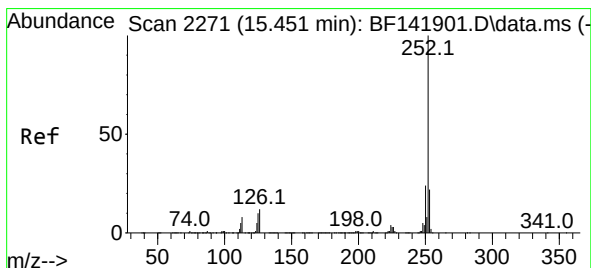
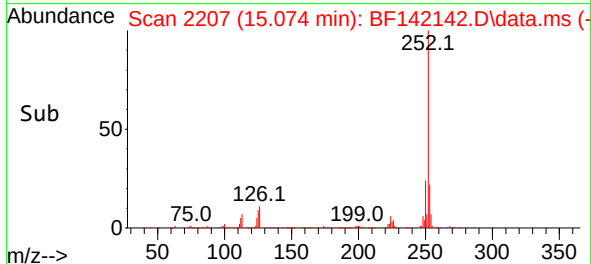
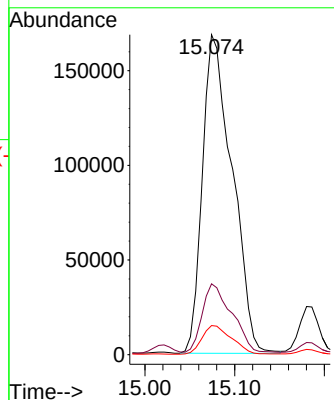
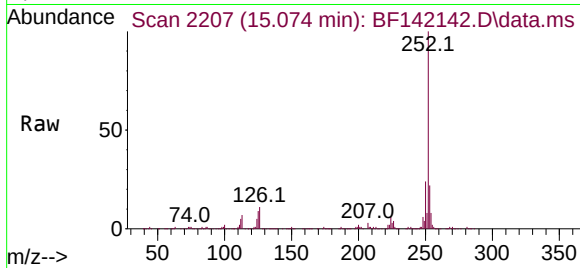




#89
Benzo(k)fluoranthene
Concen: 19.181 ng
RT: 15.074 min Scan# 21
Delta R.T. -0.035 min
Lab File: BF142142.D
Acq: 27 Mar 2025 23:39

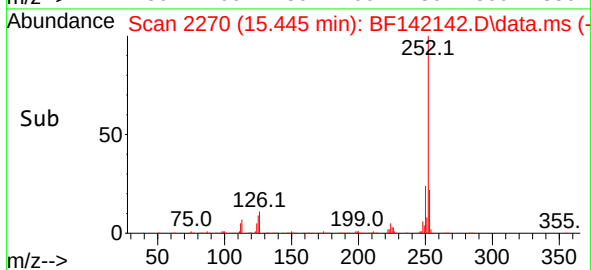
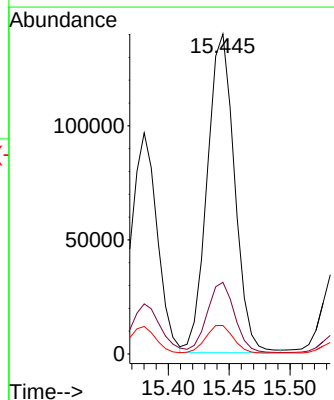
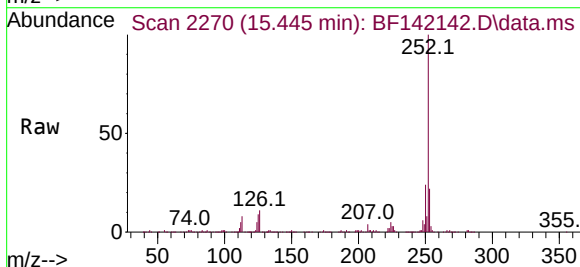
Instrument :
BNA_F
ClientSampleId :
TP-2

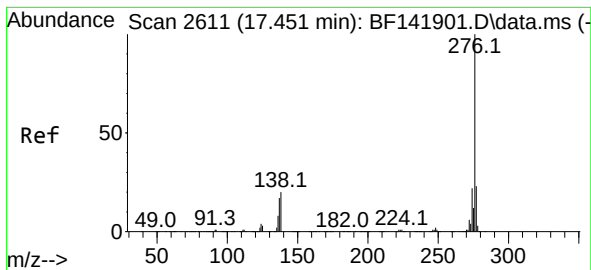
Tgt Ion:252 Resp: 388150
Ion Ratio Lower Upper
252 100
253 22.2 17.7 26.5
125 9.1 7.2 10.8



#90
Benzo(a)pyrene
Concen: 11.823 ng
RT: 15.445 min Scan# 2270
Delta R.T. -0.006 min
Lab File: BF142142.D
Acq: 27 Mar 2025 23:39

Tgt Ion:252 Resp: 218760
Ion Ratio Lower Upper
252 100
253 22.4 17.4 26.0
125 8.9 7.8 11.8





#92

Benzo(g,h,i)perylene

Concen: 5.712 ng

RT: 17.439 min Scan# 20

Delta R.T. -0.012 min

Lab File: BF142142.D

Acq: 27 Mar 2025 23:39

Instrument :

BNA_F

ClientSampleId :

TP-2

Tgt Ion:276 Resp: 103944

Ion Ratio Lower Upper

276 100

277 23.4 18.7 28.1

138 18.5 15.8 23.8

