

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF033125\
 Data File : BF142195.D
 Acq On : 31 Mar 2025 22:25
 Operator : RC/JU
 Sample : Q1674-01
 Misc :
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 RT5358

Quant Time: Apr 01 00:49:38 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)

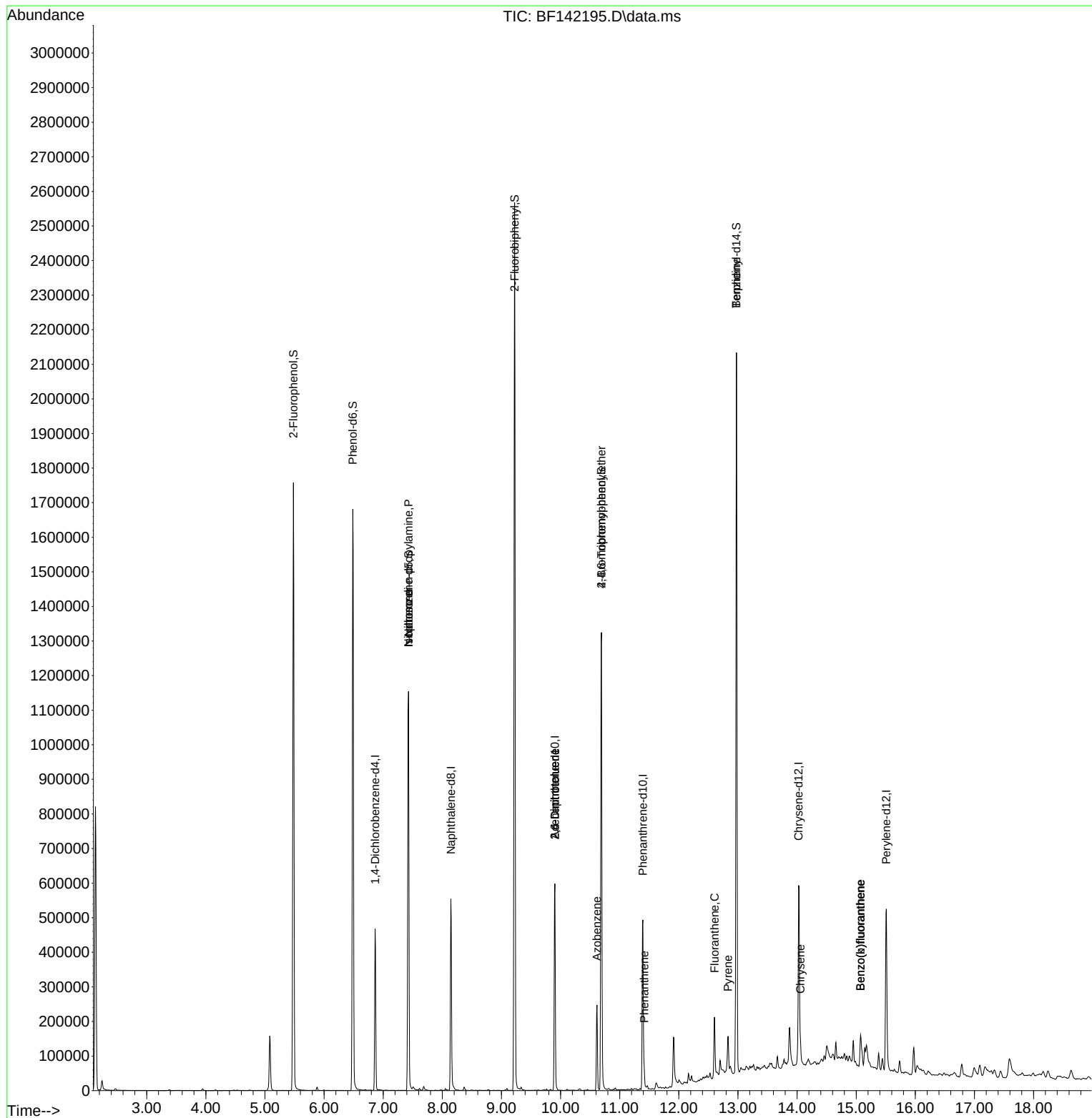
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.863	152	100985	20.000	ng	-0.02
21) Naphthalene-d8	8.145	136	375056	20.000	ng	-0.02
39) Acenaphthene-d10	9.904	164	186284	20.000	ng	-0.01
64) Phenanthrene-d10	11.392	188	272736	20.000	ng	-0.01
76) Chrysene-d12	14.027	240	248944	20.000	ng	-0.01
86) Perylene-d12	15.509	264	293257	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.481	112	685088	113.223	ng	-0.01
7) Phenol-d6	6.486	99	833410	108.179	ng	-0.02
23) Nitrobenzene-d5	7.428	82	542441	81.391	ng	-0.02
42) 2,4,6-Tribromophenol	10.692	330	262331	111.004	ng	-0.01
45) 2-Fluorobiphenyl	9.222	172	1118694	91.329	ng	-0.02
79) Terphenyl-d14	12.974	244	1001381	59.471	ng	-0.01
Target Compounds					Qvalue	
19) n-Nitroso-di-n-propyla...	7.428	70	72779	14.702	ng	# 77
25) Isophorone	7.428	82	535376	45.445	ng	# 64
51) 2,6-Dinitrotoluene	9.904	165	23537	8.666	ng	# 23
57) 2,4-Dinitrotoluene	9.904	165	23537	6.635	ng	# 24
63) Azobenzene	10.616	77	62499	5.168	ng	# 1
67) 4-Bromophenyl-phenylether	10.692	248	15364	4.486	ng	# 1
71) Phenanthrene	11.416	178	29598	2.009	ng	99
75) Fluoranthene	12.604	202	97634	6.248	ng	99
77) Benzidine	12.974	184	14250	4.103	ng	# 92
78) Pyrene	12.833	202	63726	2.959	ng	99
83) Chrysene	14.057	228	43994	2.971	ng	98
88) Benzo(b)fluoranthene	15.074	252	80351	3.998	ng	# 98
89) Benzo(k)fluoranthene	15.074	252	80351	4.672	ng	98

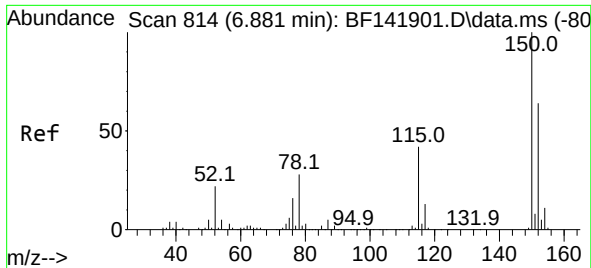
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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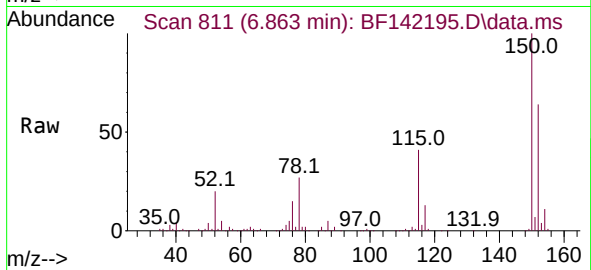
Quant Time: Apr 01 00:49:38 2025
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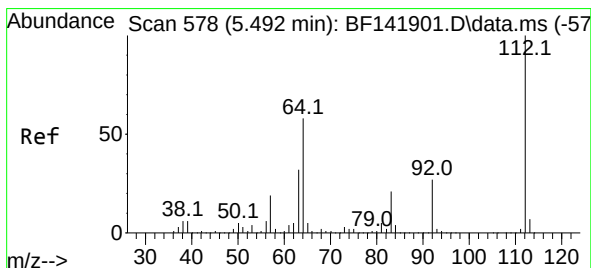
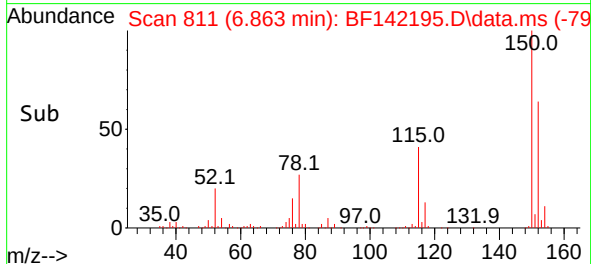
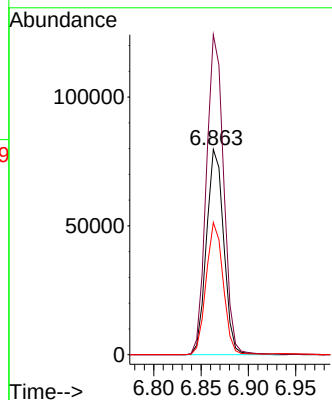


#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.863 min Scan# 814
Delta R.T. -0.018 min
Lab File: BF142195.D
Acq: 31 Mar 2025 22:25

Instrument :
BNA_F
ClientSampleId :
RT5358

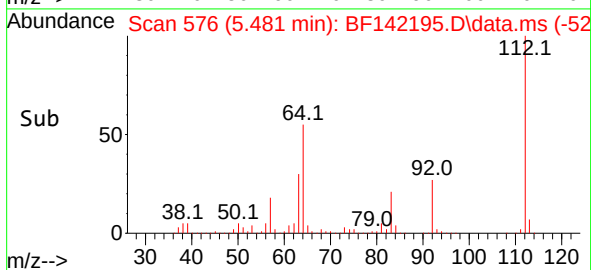
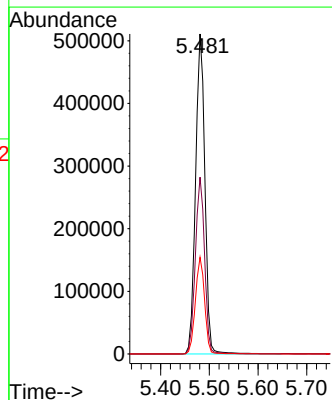
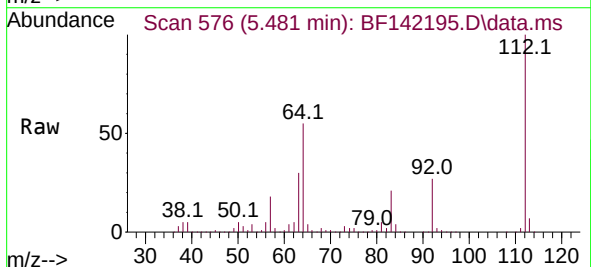


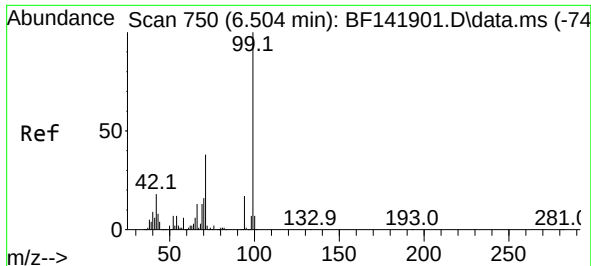
Tgt Ion:152 Resp: 100985
Ion Ratio Lower Upper
152 100
150 155.9 127.4 191.2
115 64.4 51.9 77.9



#5
2-Fluorophenol
Concen: 113.223 ng
RT: 5.481 min Scan# 576
Delta R.T. -0.012 min
Lab File: BF142195.D
Acq: 31 Mar 2025 22:25

Tgt Ion:112 Resp: 685088
Ion Ratio Lower Upper
112 100
64 55.2 46.5 69.7
63 30.2 25.4 38.2

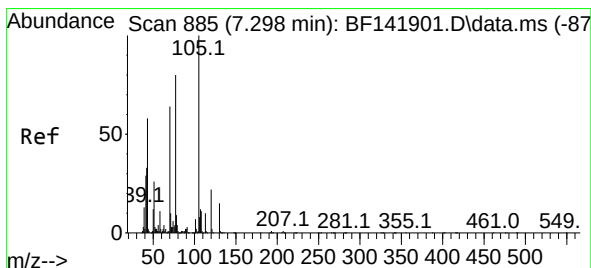
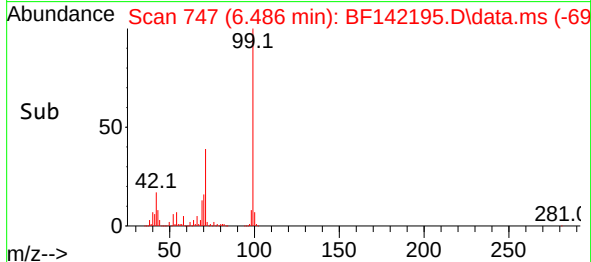
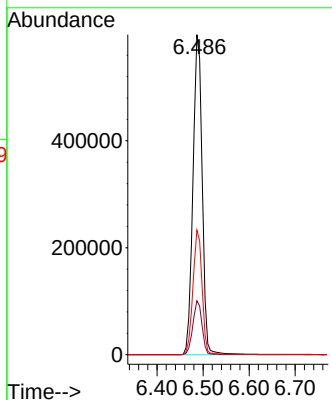
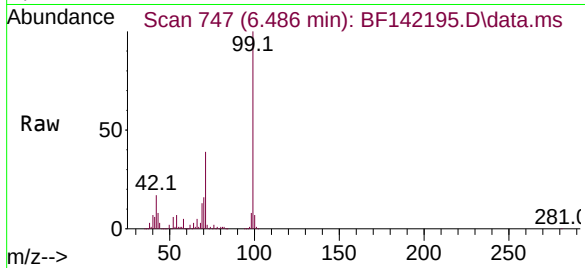




#7
Phenol-d6
Concen: 108.179 ng
RT: 6.486 min Scan# 74
Delta R.T. -0.018 min
Lab File: BF142195.D
Acq: 31 Mar 2025 22:25

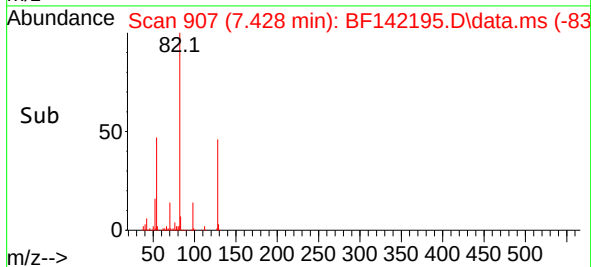
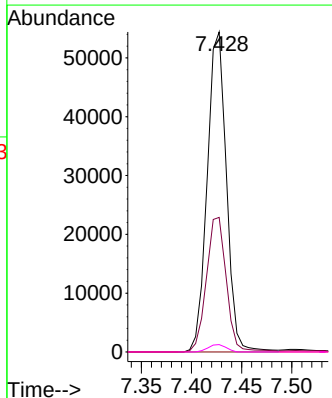
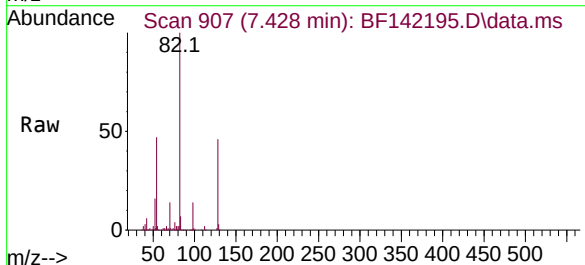
Instrument :
BNA_F
ClientSampleId :
RT5358

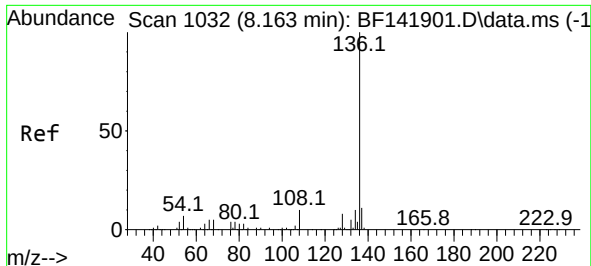
Tgt Ion: 99 Resp: 833410
Ion Ratio Lower Upper
99 100
42 16.9 14.6 21.8
71 38.9 30.8 46.2



#19
n-Nitroso-di-n-propylamine
Concen: 14.702 ng
RT: 7.428 min Scan# 907
Delta R.T. 0.129 min
Lab File: BF142195.D
Acq: 31 Mar 2025 22:25

Tgt Ion: 70 Resp: 72779
Ion Ratio Lower Upper
70 100
42 42.1 41.4 62.0
101 0.0 8.2 12.2#
130 2.3 18.2 27.4#



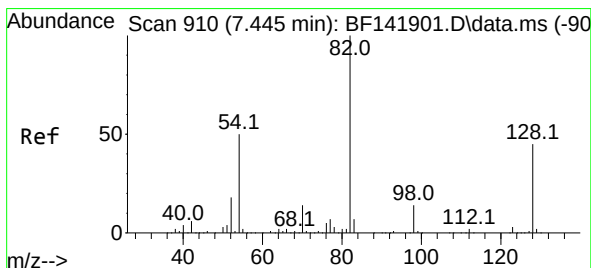
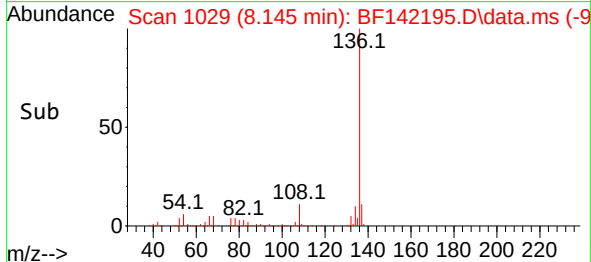
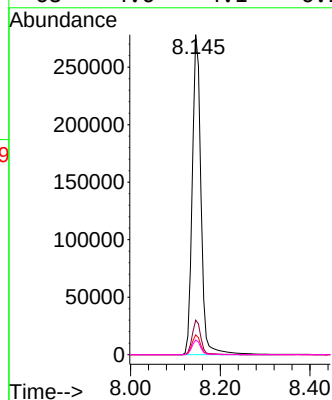
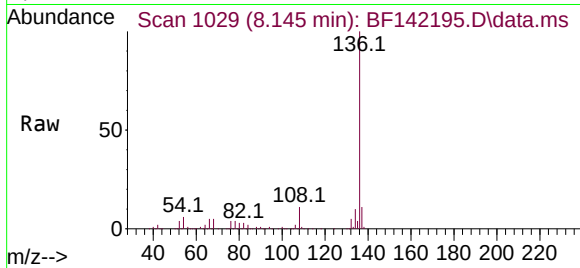


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.145 min Scan# 1032
Delta R.T. -0.018 min
Lab File: BF142195.D
Acq: 31 Mar 2025 22:25

Instrument :
BNA_F
ClientSampleId :
RT5358

Tgt Ion:136 Resp: 375056

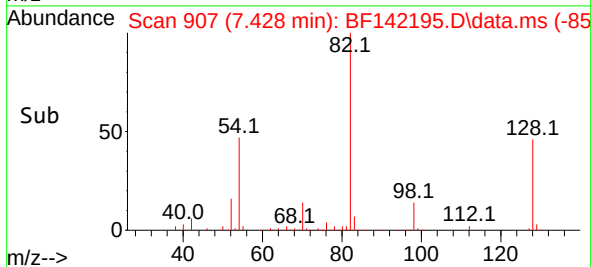
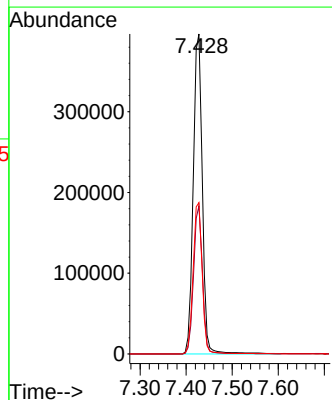
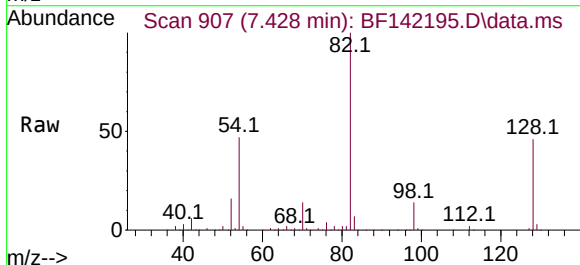
Ion	Ratio	Lower	Upper
136	100		
137	10.8	8.8	13.2
54	6.2	5.8	8.8
68	4.6	4.1	6.1

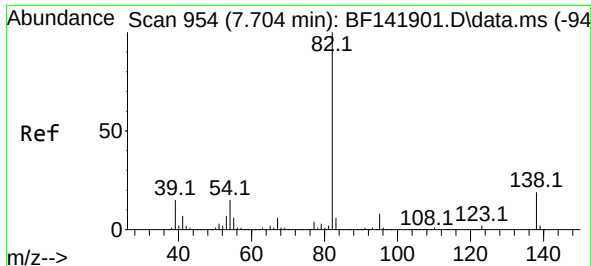


#23
Nitrobenzene-d5
Concen: 81.391 ng
RT: 7.428 min Scan# 907
Delta R.T. -0.018 min
Lab File: BF142195.D
Acq: 31 Mar 2025 22:25

Tgt Ion: 82 Resp: 542441

Ion	Ratio	Lower	Upper
82	100		
128	46.3	36.0	54.0
54	47.3	39.6	59.4

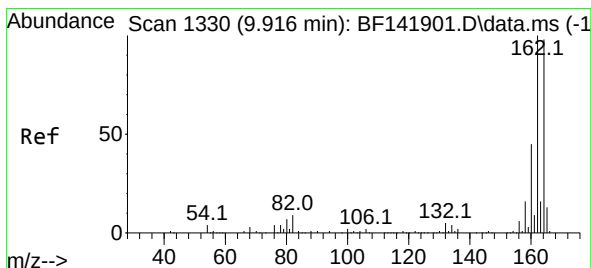
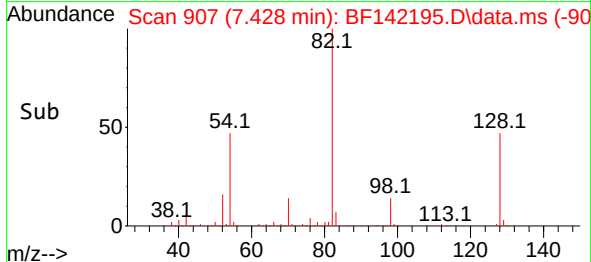
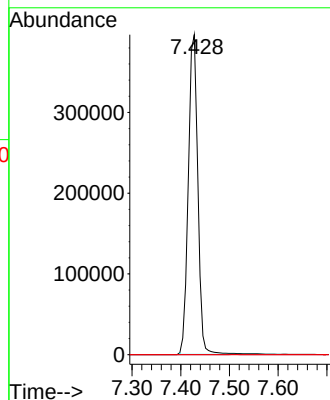
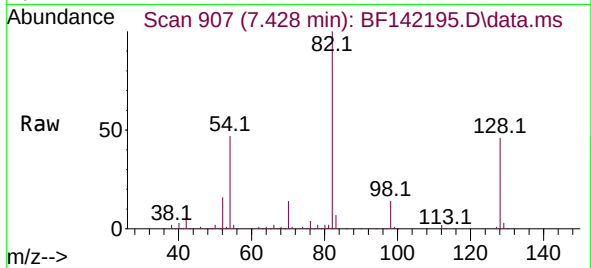




#25
Isophorone
Concen: 45.445 ng
RT: 7.428 min Scan# 90
Delta R.T. -0.276 min
Lab File: BF142195.D
Acq: 31 Mar 2025 22:25

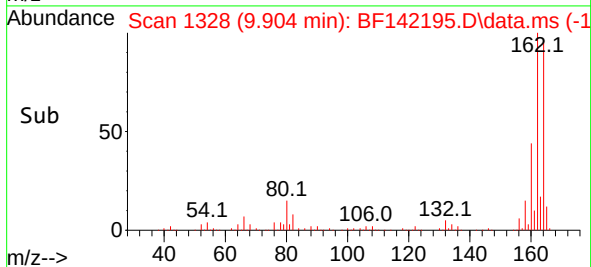
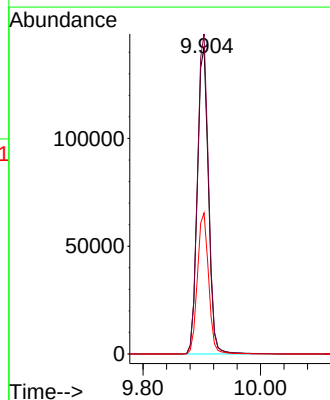
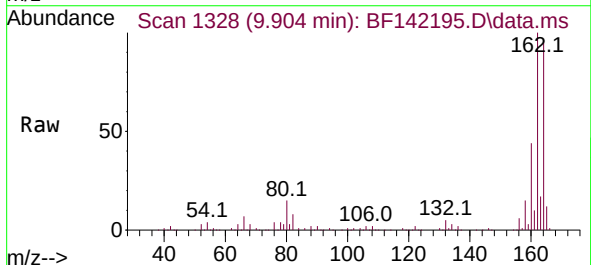
Instrument :
BNA_F
ClientSampleId :
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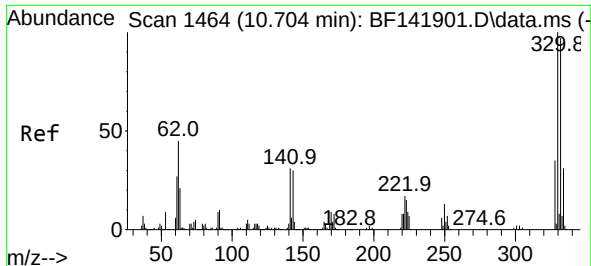
Tgt Ion: 82 Resp: 535376
Ion Ratio Lower Upper
82 100
95 0.0 6.4 9.6#
138 0.0 14.9 22.3#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.904 min Scan# 1328
Delta R.T. -0.012 min
Lab File: BF142195.D
Acq: 31 Mar 2025 22:25

Tgt Ion:164 Resp: 186284
Ion Ratio Lower Upper
164 100
162 104.3 81.8 122.6
160 46.0 36.7 55.1

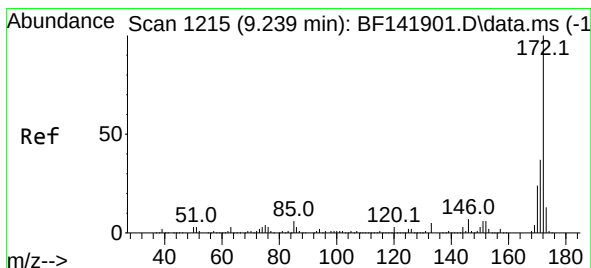
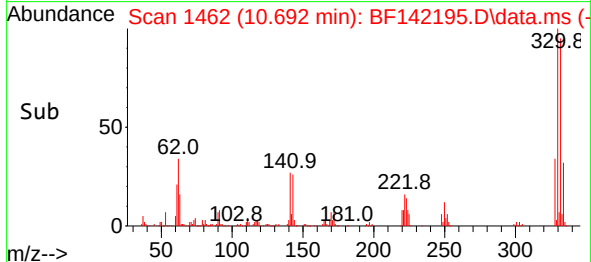
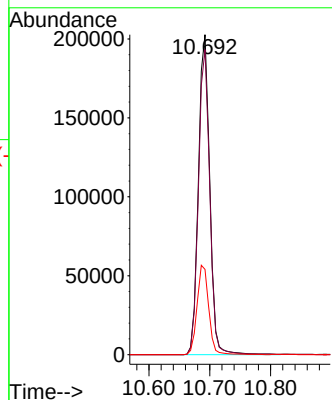
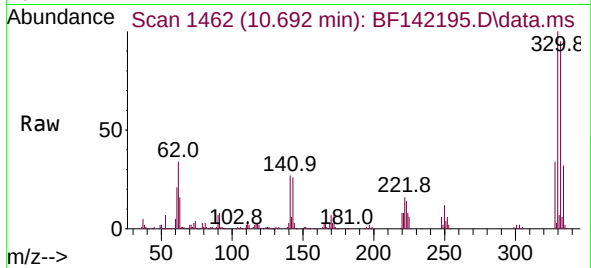




#42
2,4,6-Tribromophenol
Concen: 111.004 ng
RT: 10.692 min Scan# 1462
Delta R.T. -0.012 min
Lab File: BF142195.D
Acq: 31 Mar 2025 22:25

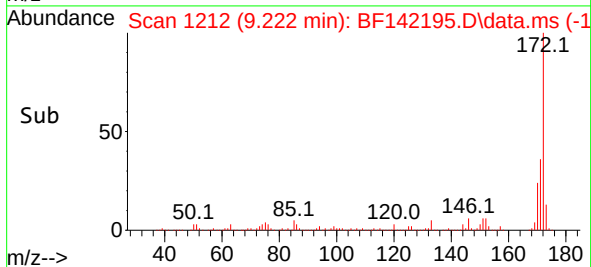
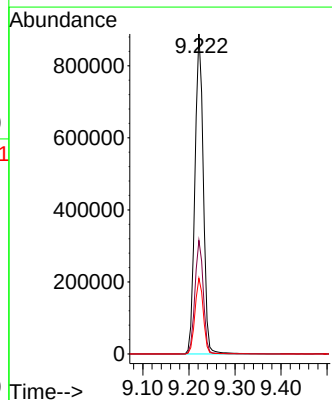
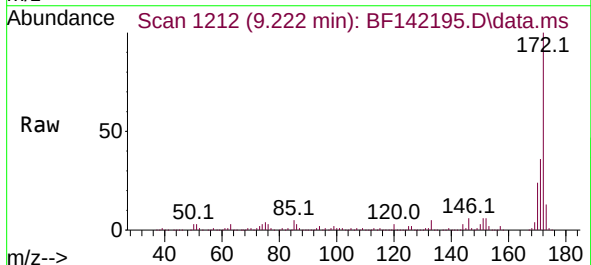
Instrument :
BNA_F
ClientSampleId :
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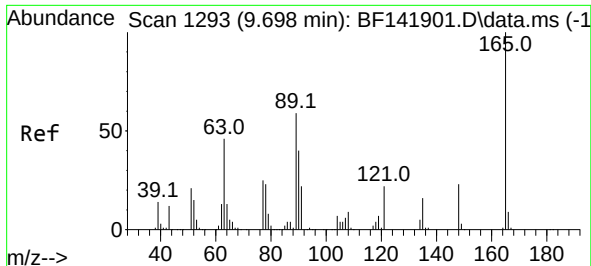
Tgt Ion:330 Resp: 262331
Ion Ratio Lower Upper
330 100
332 95.2 77.6 116.4
141 28.8 24.7 37.1



#45
2-Fluorobiphenyl
Concen: 91.329 ng
RT: 9.222 min Scan# 1212
Delta R.T. -0.018 min
Lab File: BF142195.D
Acq: 31 Mar 2025 22:25

Tgt Ion:172 Resp: 1118694
Ion Ratio Lower Upper
172 100
171 35.5 29.3 43.9
170 23.7 19.4 29.0

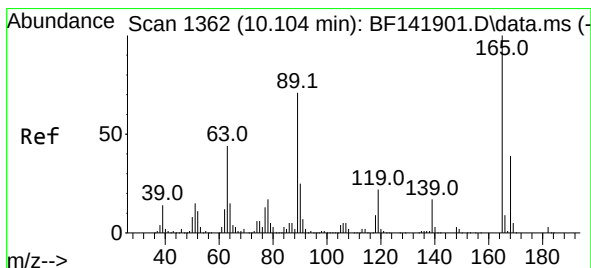
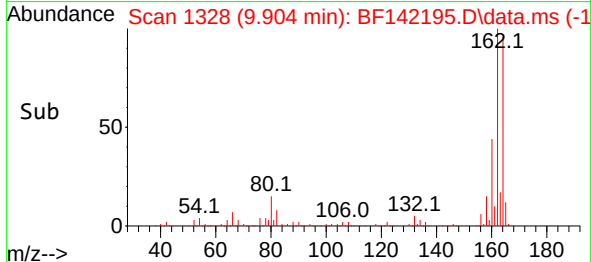
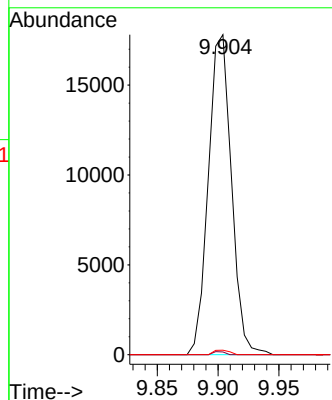
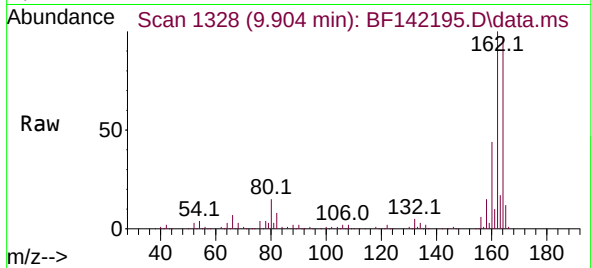




#51
2,6-Dinitrotoluene
Concen: 8.666 ng
RT: 9.904 min Scan# 11
Delta R.T. 0.206 min
Lab File: BF142195.D
Acq: 31 Mar 2025 22:25

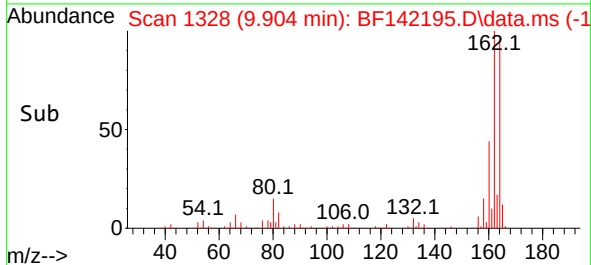
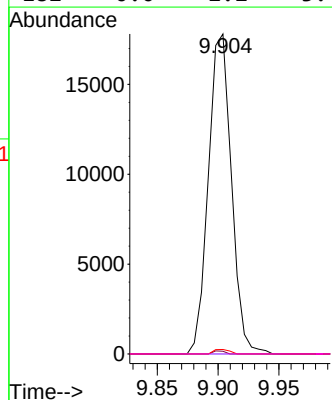
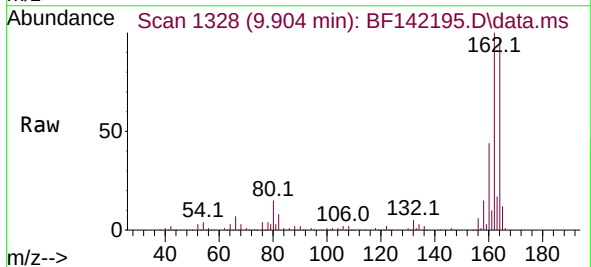
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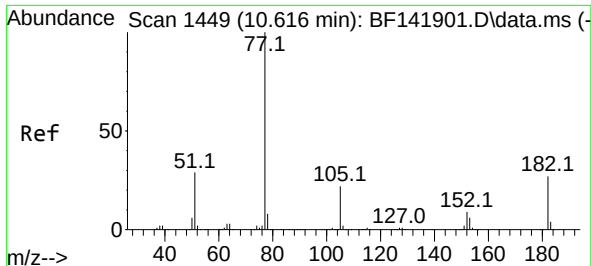
Tgt Ion:165 Resp: 23537
Ion Ratio Lower Upper
165 100
63 0.8 47.0 70.4#
89 1.4 47.4 71.2#



#57
2,4-Dinitrotoluene
Concen: 6.635 ng
RT: 9.904 min Scan# 1328
Delta R.T. -0.200 min
Lab File: BF142195.D
Acq: 31 Mar 2025 22:25

Tgt Ion:165 Resp: 23537
Ion Ratio Lower Upper
165 100
63 0.8 35.4 53.2#
89 1.4 56.6 84.8#
182 0.0 2.2 3.4#

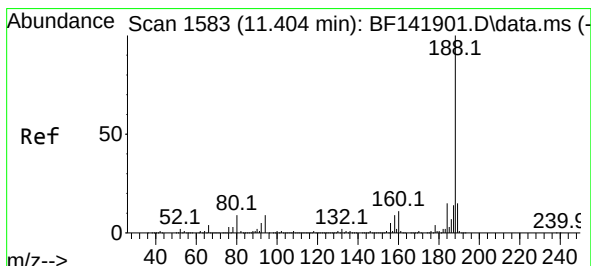
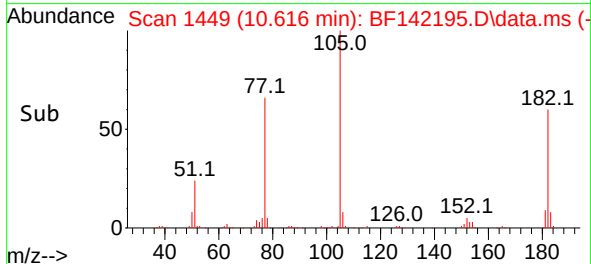
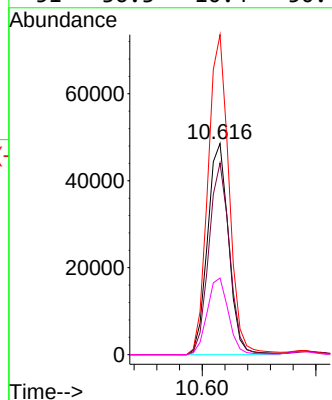
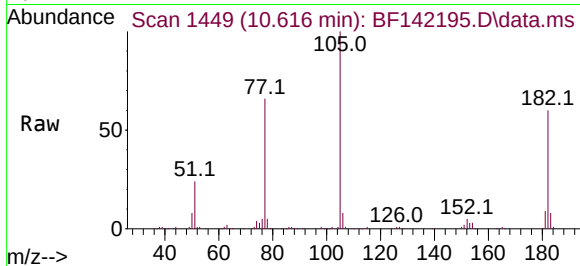




#63
Azobenzene
Concen: 5.168 ng
RT: 10.616 min Scan# 1449
Delta R.T. -0.000 min
Lab File: BF142195.D
Acq: 31 Mar 2025 22:25

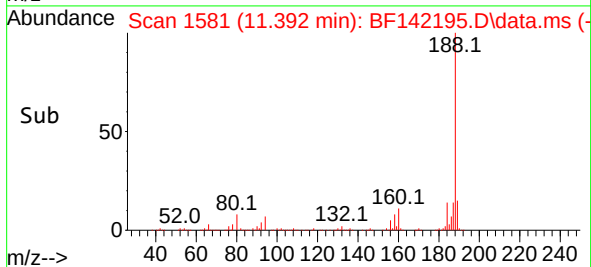
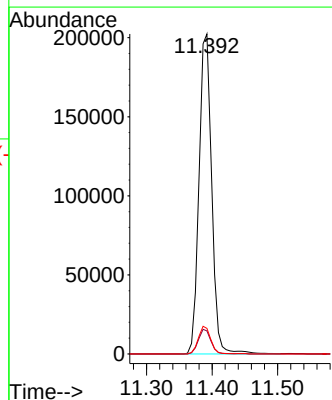
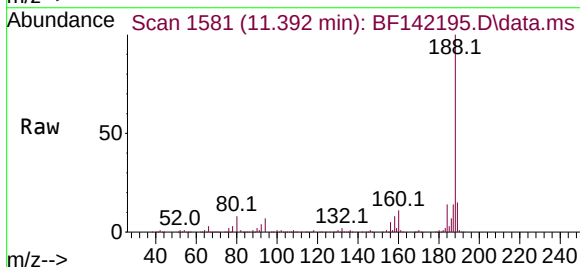
Instrument :
BNA_F
ClientSampleId :
RT5358

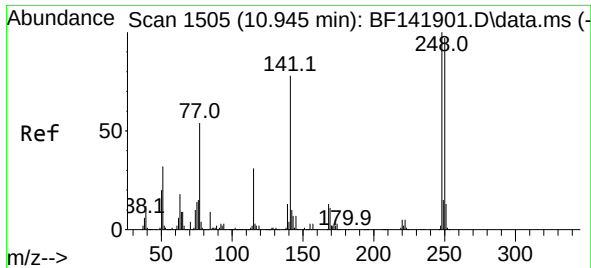
Tgt Ion: 77 Resp: 62499
Ion Ratio Lower Upper
77 100
182 90.7 6.6 46.6#
105 151.5 1.3 41.3#
51 36.3 10.4 50.4



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.392 min Scan# 1581
Delta R.T. -0.012 min
Lab File: BF142195.D
Acq: 31 Mar 2025 22:25

Tgt Ion: 188 Resp: 272736
Ion Ratio Lower Upper
188 100
94 7.2 6.8 10.2
80 8.0 7.6 11.4

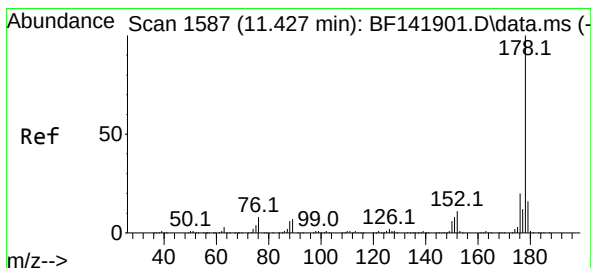
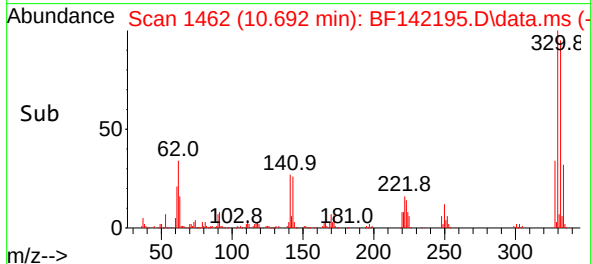
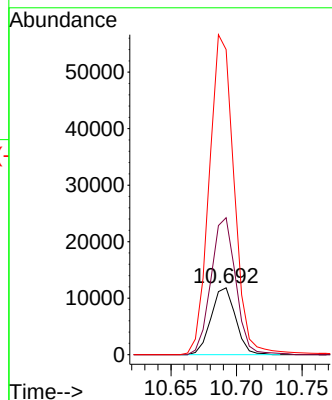
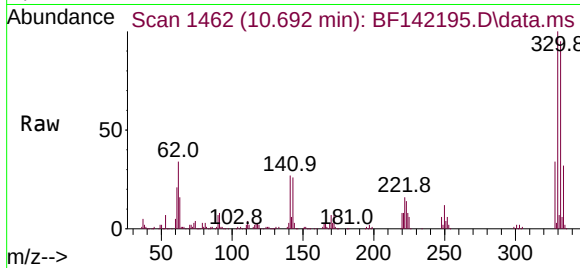




#67
4-Bromophenyl-phenylether
Concen: 4.486 ng
RT: 10.692 min Scan# 1462
Delta R.T. -0.253 min
Lab File: BF142195.D
Acq: 31 Mar 2025 22:25

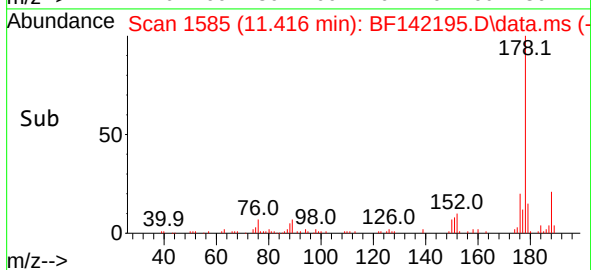
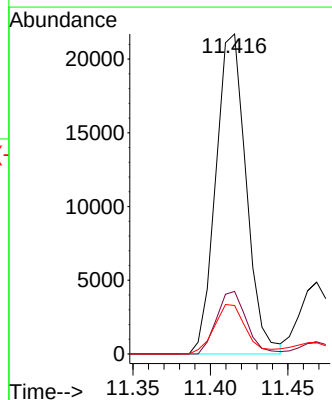
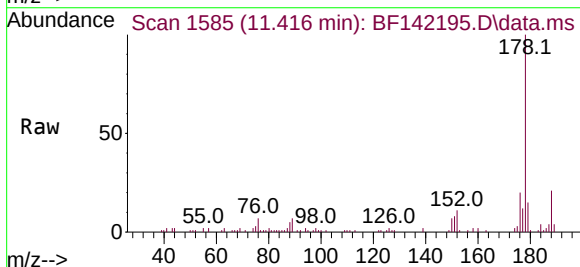
Instrument :
BNA_F
ClientSampleId :
RT5358

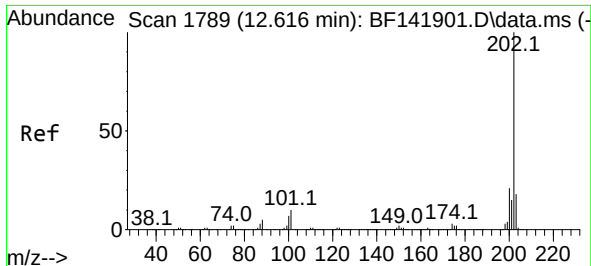
Tgt Ion:248 Resp: 15364
Ion Ratio Lower Upper
248 100
250 204.7 77.8 116.8#
141 456.2 62.6 93.8#



#71
Phenanthrene
Concen: 2.009 ng
RT: 11.416 min Scan# 1585
Delta R.T. -0.012 min
Lab File: BF142195.D
Acq: 31 Mar 2025 22:25

Tgt Ion:178 Resp: 29598
Ion Ratio Lower Upper
178 100
176 19.5 15.8 23.8
179 15.2 12.6 19.0

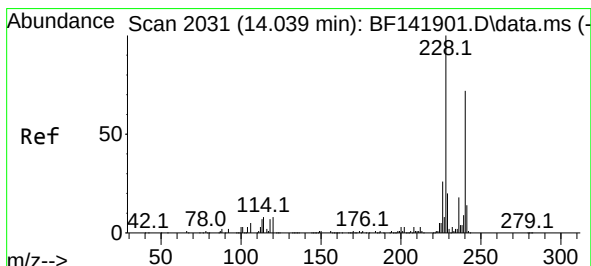
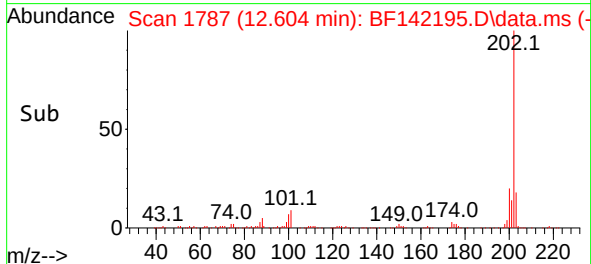
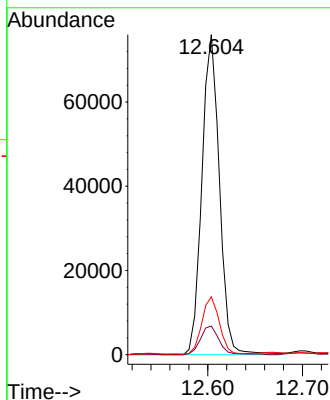
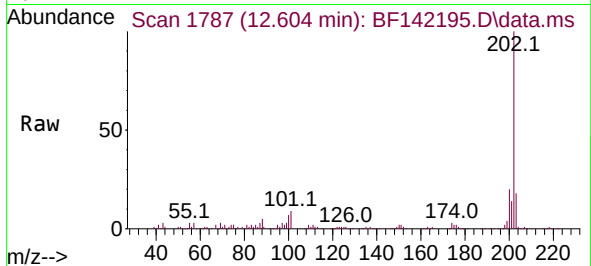




#75
Fluoranthene
Concen: 6.248 ng
RT: 12.604 min Scan# 11
Delta R.T. -0.012 min
Lab File: BF142195.D
Acq: 31 Mar 2025 22:25

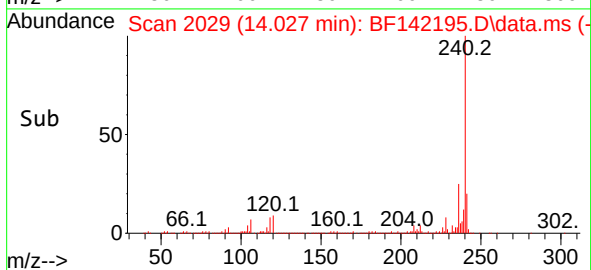
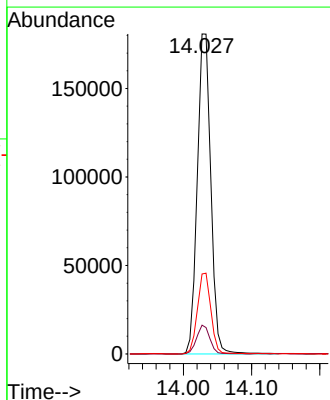
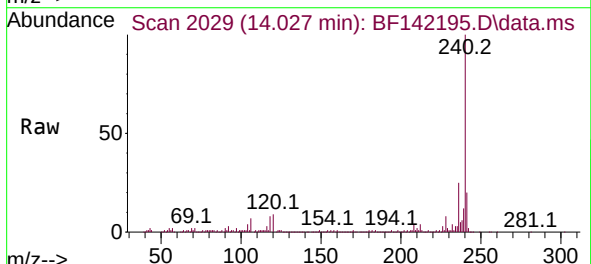
Instrument :
BNA_F
ClientSampleId :
RT5358

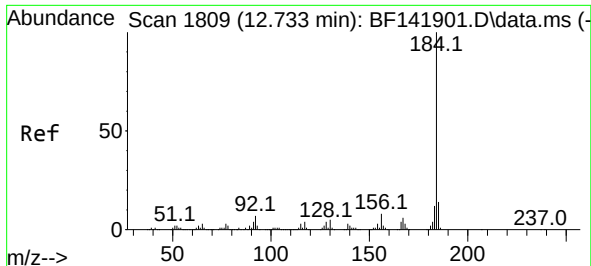
Tgt Ion:	202	Resp:	97634
Ion Ratio	Lower	Upper	
202	100		
101	9.0	0.0	29.7
203	18.1	0.0	37.8



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.027 min Scan# 2029
Delta R.T. -0.012 min
Lab File: BF142195.D
Acq: 31 Mar 2025 22:25

Tgt Ion:	240	Resp:	248944
Ion Ratio	Lower	Upper	
240	100		
120	9.0	8.4	12.6
236	25.0	20.5	30.7

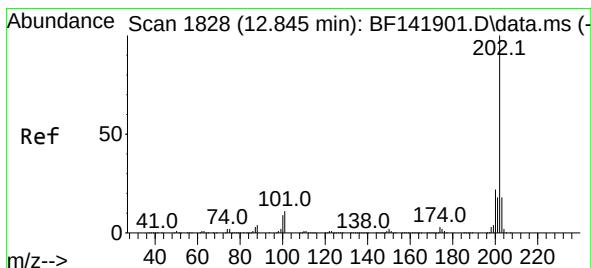
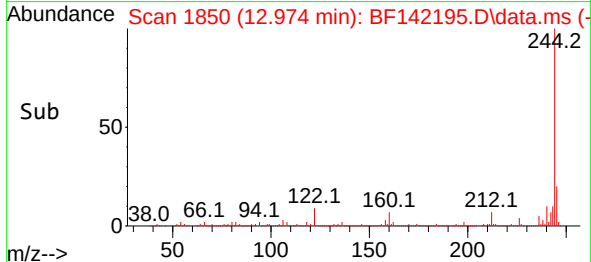
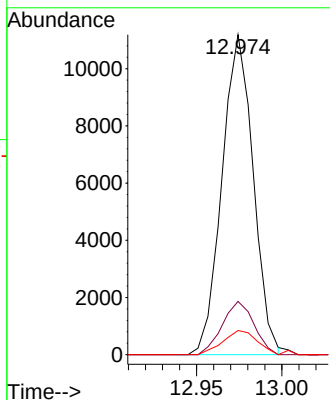
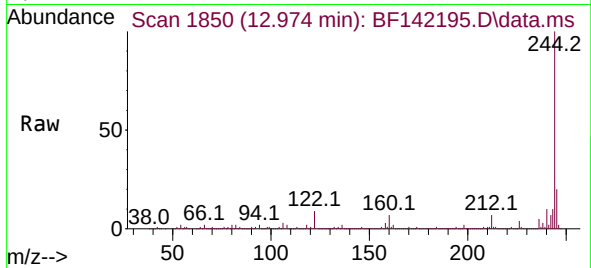




#77
Benzidine
Concen: 4.103 ng
RT: 12.974 min Scan# 1850
Delta R.T. 0.241 min
Lab File: BF142195.D
Acq: 31 Mar 2025 22:25

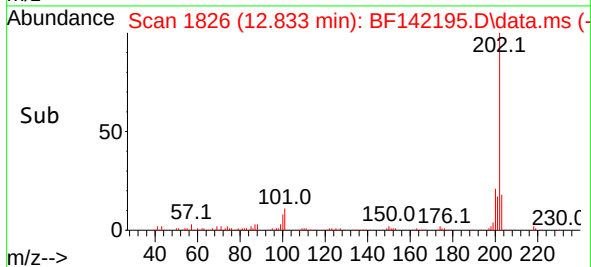
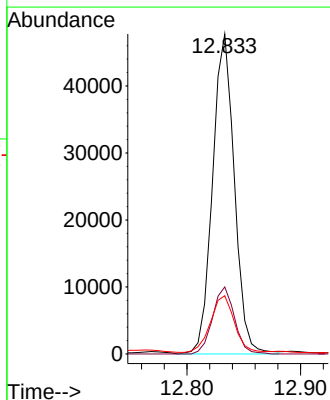
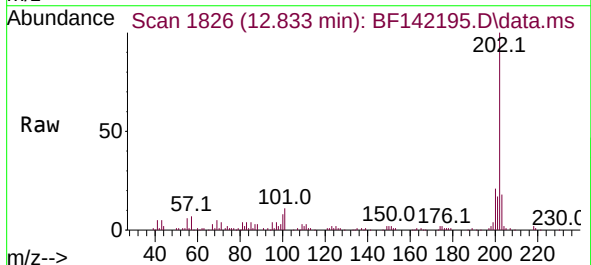
Instrument :
BNA_F
ClientSampleId :
RT5358

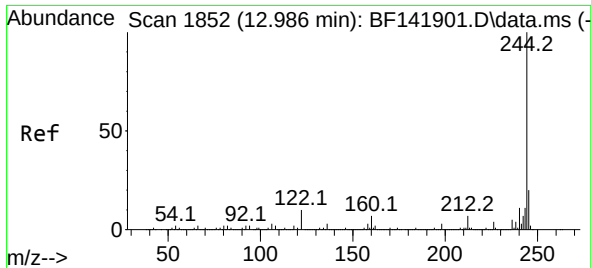
Tgt Ion:184 Resp: 14250
Ion Ratio Lower Upper
184 100
185 16.6 11.5 17.3
183 7.5 9.7 14.5#



#78
Pyrene
Concen: 2.959 ng
RT: 12.833 min Scan# 1826
Delta R.T. -0.012 min
Lab File: BF142195.D
Acq: 31 Mar 2025 22:25

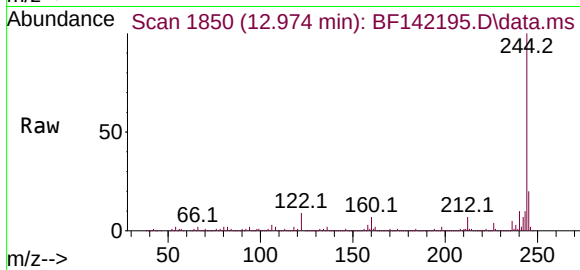
Tgt Ion:202 Resp: 63726
Ion Ratio Lower Upper
202 100
200 20.9 17.3 25.9
203 18.2 14.4 21.6



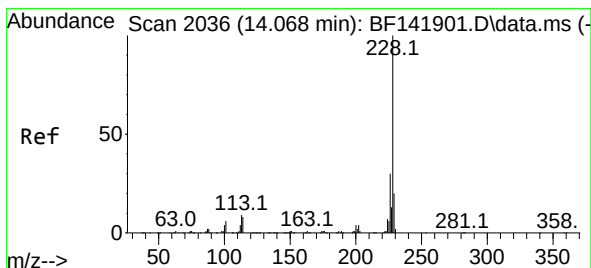
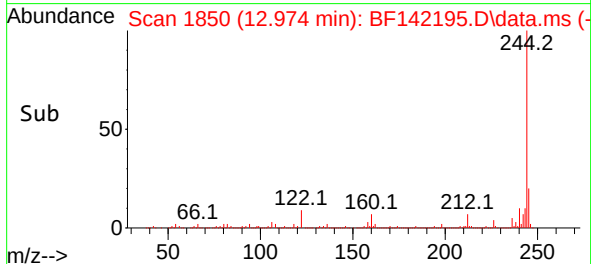
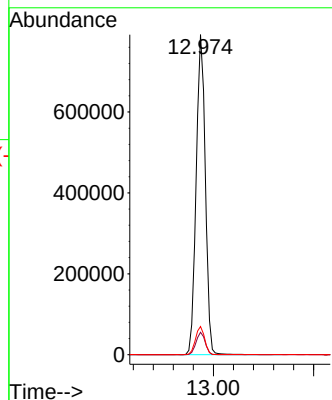


#79
 Terphenyl-d14
 Concen: 59.471 ng
 RT: 12.974 min Scan# 1850
 Delta R.T. -0.012 min
 Lab File: BF142195.D
 Acq: 31 Mar 2025 22:25

Instrument :
 BNA_F
 ClientSampleId :
 RT5358

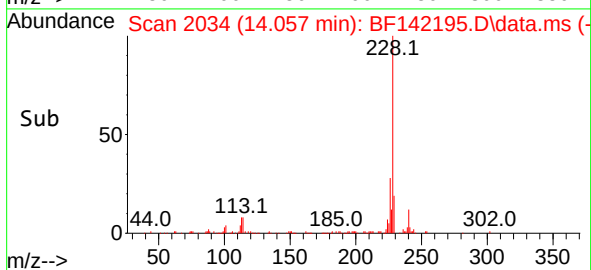
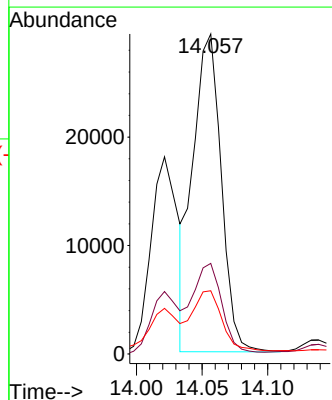
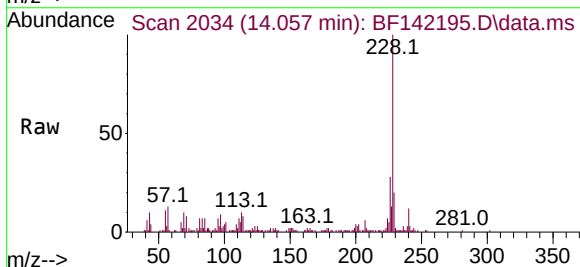


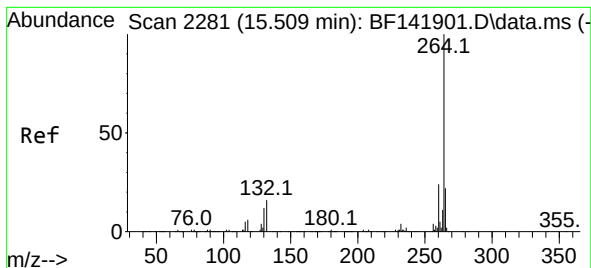
Tgt Ion:244 Resp: 1001381
 Ion Ratio Lower Upper
 244 100
 212 7.0 6.0 9.0
 122 8.8 7.7 11.5



#83
 Chrysene
 Concen: 2.971 ng
 RT: 14.057 min Scan# 2034
 Delta R.T. -0.012 min
 Lab File: BF142195.D
 Acq: 31 Mar 2025 22:25

Tgt Ion:228 Resp: 43994
 Ion Ratio Lower Upper
 228 100
 226 28.3 24.1 36.1
 229 19.7 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: BF142195.D

Acq: 31 Mar 2025 22:25

Instrument :

BNA_F

ClientSampleId :

RT5358

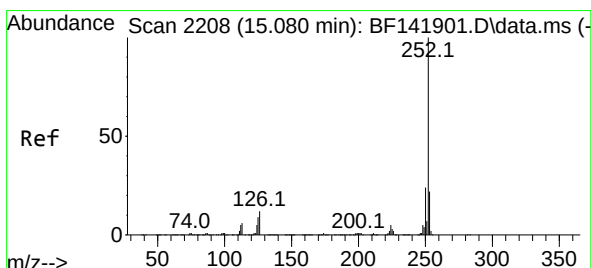
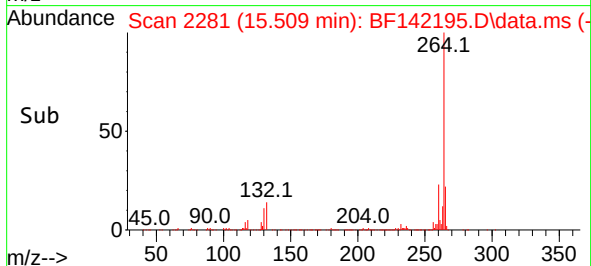
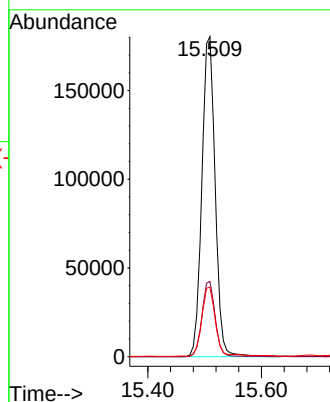
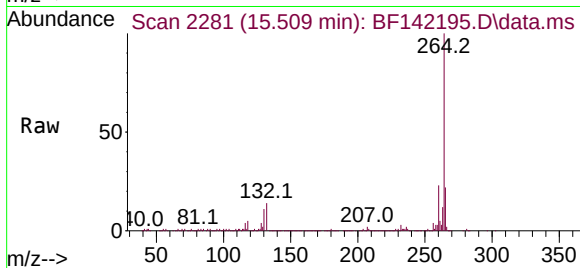
Tgt Ion:264 Resp: 293257

Ion Ratio Lower Upper

264 100

260 23.5 19.1 28.7

265 21.7 17.5 26.3



#88

Benzo(b)fluoranthene

Concen: 3.998 ng

RT: 15.074 min Scan# 2207

Delta R.T. -0.006 min

Lab File: BF142195.D

Acq: 31 Mar 2025 22:25

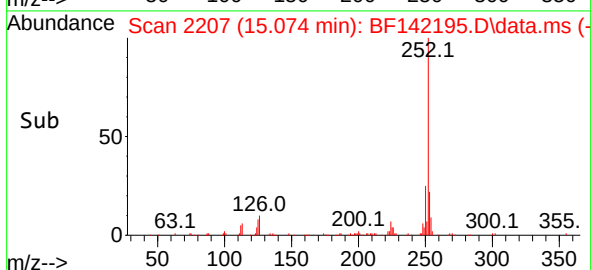
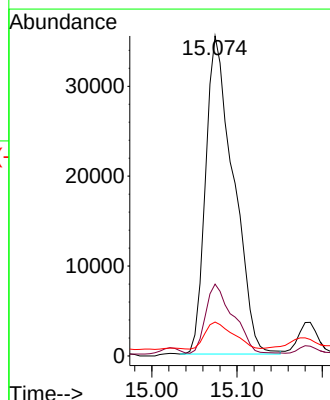
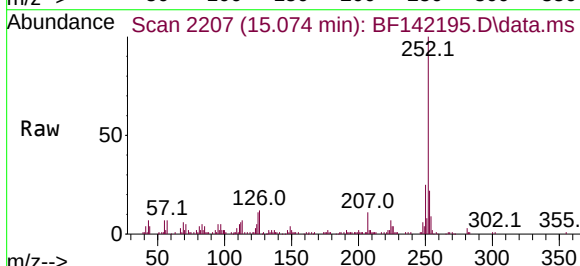
Tgt Ion:252 Resp: 80351

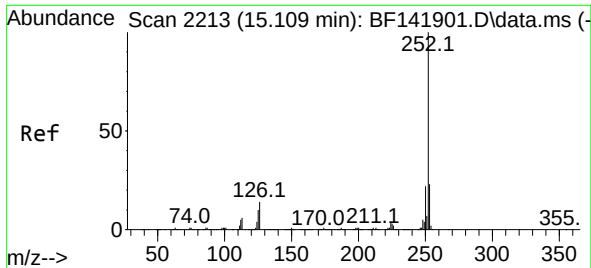
Ion Ratio Lower Upper

252 100

253 22.4 17.5 26.3

125 10.6 7.0 10.4#





#89

Benzo(k)fluoranthene

Concen: 4.672 ng

RT: 15.074 min Scan# 21

Delta R.T. -0.035 min

Lab File: BF142195.D

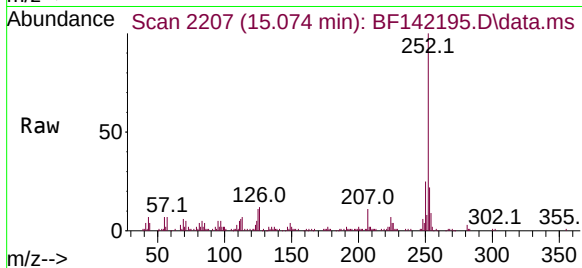
Acq: 31 Mar 2025 22:25

Instrument :

BNA_F

ClientSampleId :

RT5358



Tgt Ion:252 Resp: 80351

Ion Ratio Lower Upper

252 100

253 22.4 17.7 26.5

125 10.6 7.2 10.8

