

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF060425\
 Data File : BF142616.D
 Acq On : 04 Jun 2025 19:47
 Operator : RC/JU
 Sample : Q2173-07
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Jun 05 01:26:57 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF052025.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue May 20 16:26:47 2025
 Response via : Initial Calibration

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

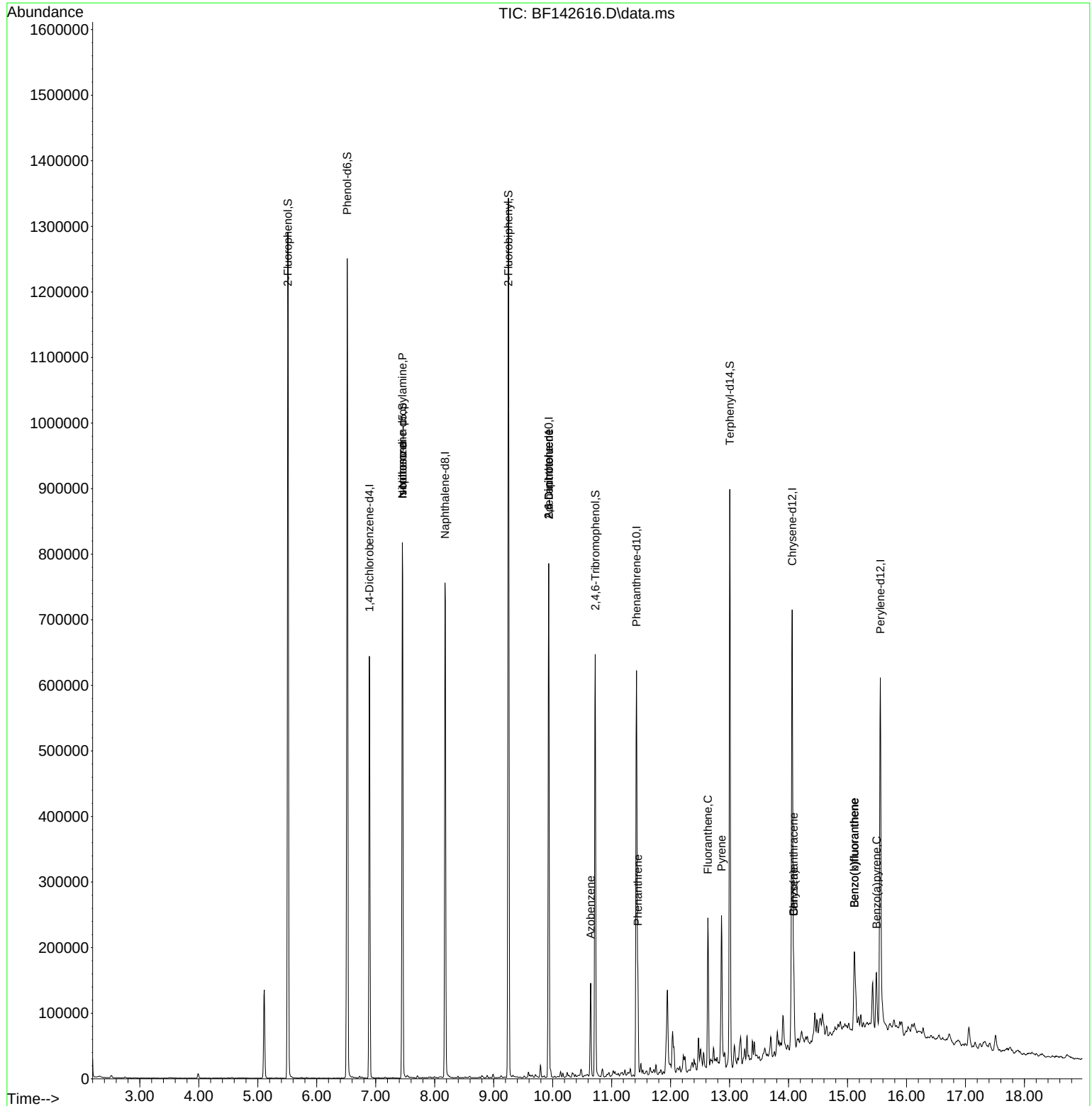
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.893	152	138824	20.000	ng	-0.01
21) Naphthalene-d8	8.175	136	502483	20.000	ng	-0.01
39) Acenaphthene-d10	9.933	164	233456	20.000	ng	-0.01
64) Phenanthrene-d10	11.422	188	314509	20.000	ng	-0.01
76) Chrysene-d12	14.063	240	290256	20.000	ng	-0.01
86) Perylene-d12	15.557	264	316591	20.000	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.510	112	495342	60.114	ng	0.00
7) Phenol-d6	6.516	99	579209	58.394	ng	-0.02
23) Nitrobenzene-d5	7.451	82	349375	37.914	ng	-0.02
42) 2,4,6-Tribromophenol	10.722	330	111291	42.952	ng	-0.02
45) 2-Fluorobiphenyl	9.251	172	598499	34.401	ng	-0.02
79) Terphenyl-d14	13.004	244	413575	19.471	ng	-0.01
Target Compounds						
						Qvalue
19) n-Nitroso-di-n-propyla...	7.451	70	46016	7.485	ng	# 76
25) Isophorone	7.451	82	339117	22.011	ng	# 63
51) 2,6-Dinitrotoluene	9.933	165	29781	8.957	ng	# 28
57) 2,4-Dinitrotoluene	9.933	165	29781	6.859	ng	# 28
63) Azobenzene	10.645	77	32968	2.440	ng	# 1
71) Phenanthrene	11.445	178	82441	4.905	ng	99
75) Fluoranthene	12.633	202	126936	8.082	ng	98
78) Pyrene	12.863	202	133864	4.944	ng	98
81) Benzo(a)anthracene	14.086	228	65673	3.388	ng	92
83) Chrysene	14.086	228	65673	3.771	ng	96
88) Benzo(b)fluoranthene	15.116	252	100697	5.374	ng	# 96
89) Benzo(k)fluoranthene	15.116	252	100697	5.738	ng	# 96
90) Benzo(a)pyrene	15.492	252	54246	3.071	ng	97

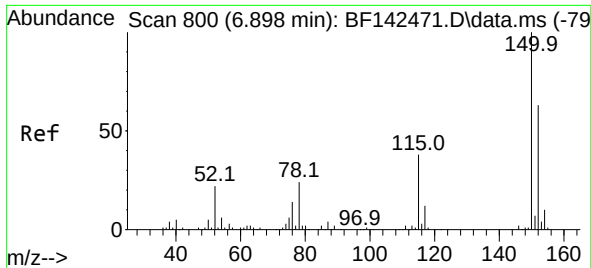
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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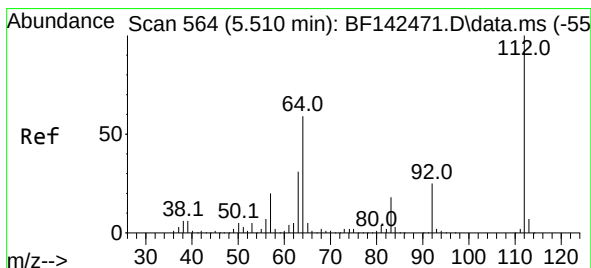
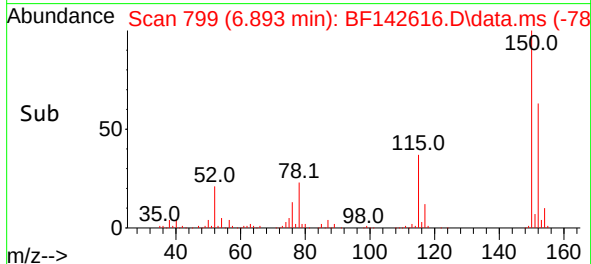
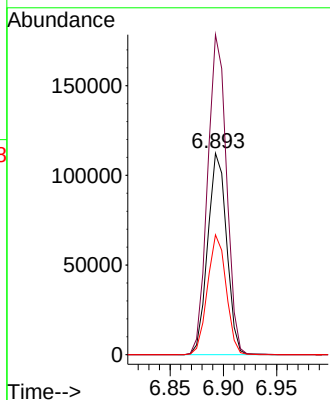
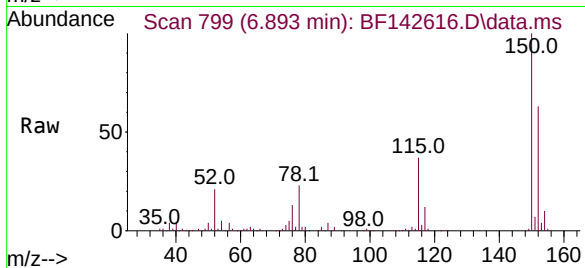




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.893 min Scan# 79
Delta R.T. -0.011 min
Lab File: BF142616.D
Acq: 04 Jun 2025 19:47

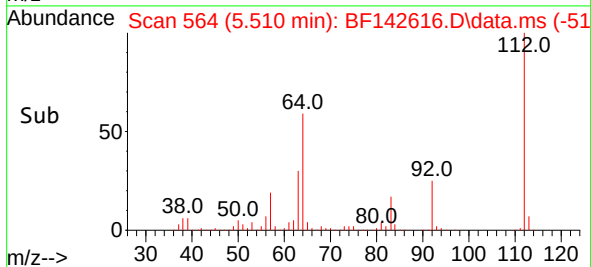
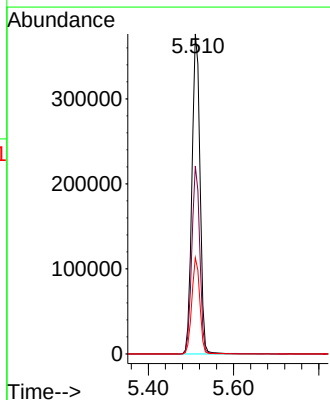
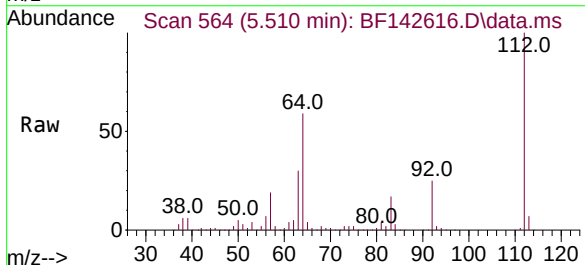
Instrument :
BNA_F
ClientSampleId :

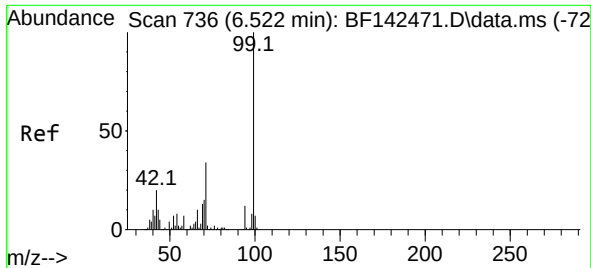
Tgt Ion:152 Resp: 138824
Ion Ratio Lower Upper
152 100
150 158.9 128.2 192.4
115 59.5 48.3 72.5



#5
2-Fluorophenol
Concen: 60.114 ng
RT: 5.510 min Scan# 564
Delta R.T. -0.006 min
Lab File: BF142616.D
Acq: 04 Jun 2025 19:47

Tgt Ion:112 Resp: 495342
Ion Ratio Lower Upper
112 100
64 58.7 47.5 71.3
63 30.0 24.9 37.3

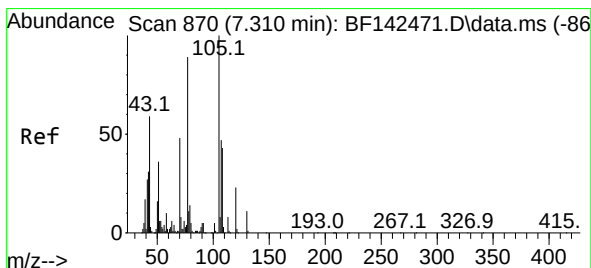
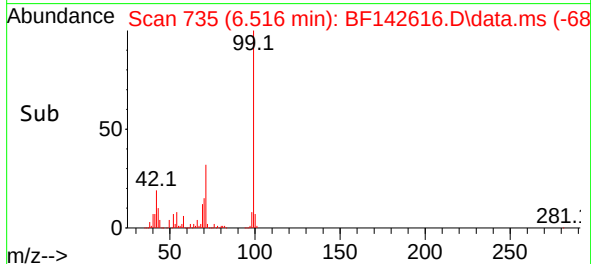
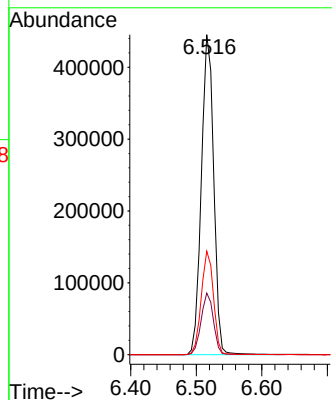
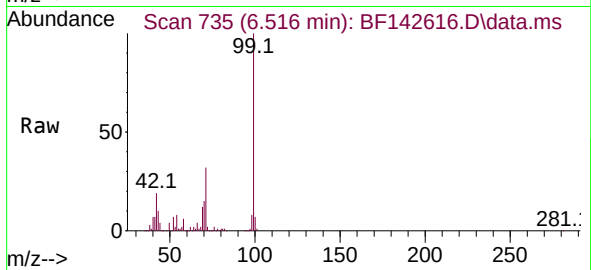




#7
Phenol-d6
Concen: 58.394 ng
RT: 6.516 min Scan# 736
Delta R.T. -0.017 min
Lab File: BF142616.D
Acq: 04 Jun 2025 19:47

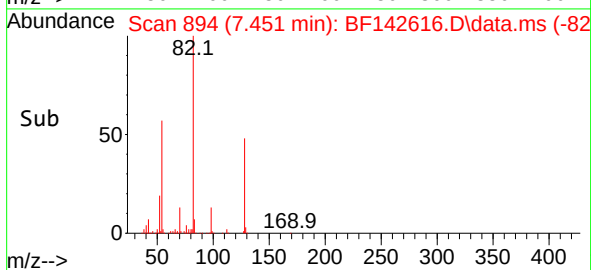
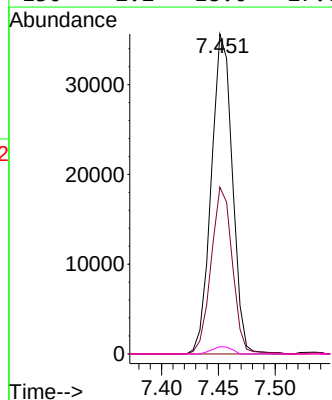
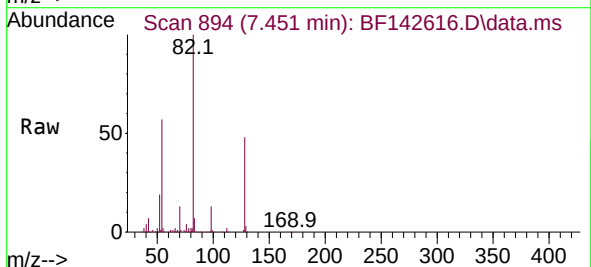
Instrument :
BNA_F
ClientSampleId :

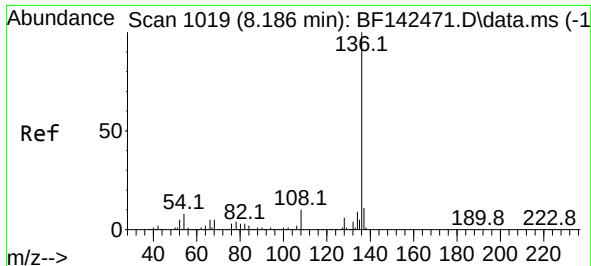
Tgt Ion: 99 Resp: 579209
Ion Ratio Lower Upper
99 100
42 19.2 16.2 24.2
71 32.3 27.3 40.9



#19
n-Nitroso-di-n-propylamine
Concen: 7.485 ng
RT: 7.451 min Scan# 894
Delta R.T. 0.124 min
Lab File: BF142616.D
Acq: 04 Jun 2025 19:47

Tgt Ion: 70 Resp: 46016
Ion Ratio Lower Upper
70 100
42 52.1 52.4 78.6#
101 0.0 7.8 11.8#
130 2.2 18.0 27.0#



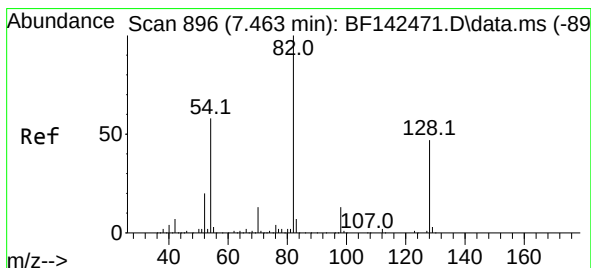
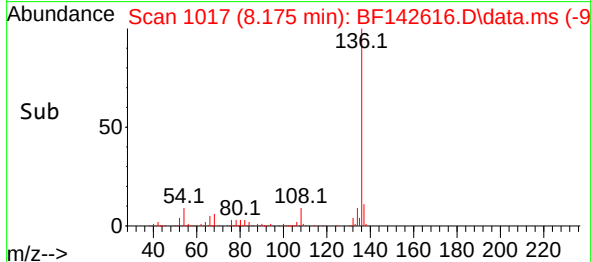
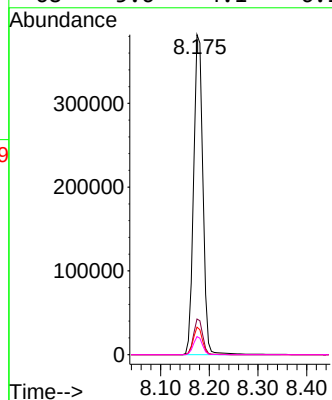
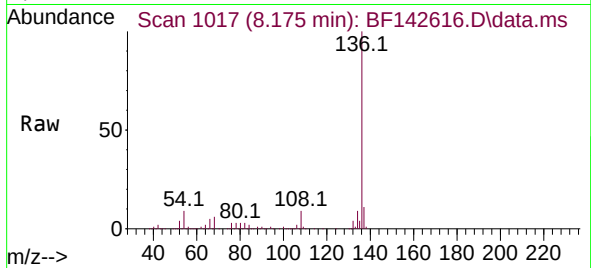


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.175 min Scan# 10
Delta R.T. -0.012 min
Lab File: BF142616.D
Acq: 04 Jun 2025 19:47

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:136 Resp: 502483

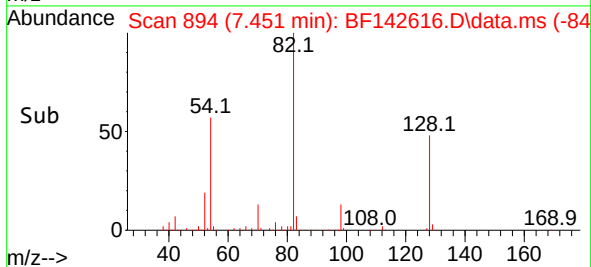
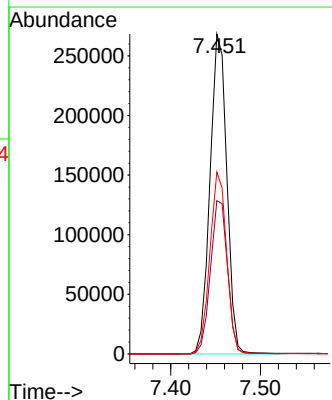
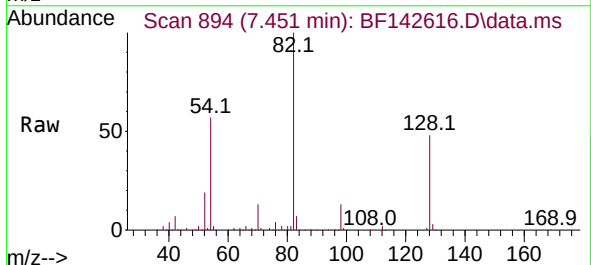
Ion	Ratio	Lower	Upper
136	100		
137	11.1	8.6	13.0
54	8.6	6.6	10.0
68	5.6	4.1	6.1

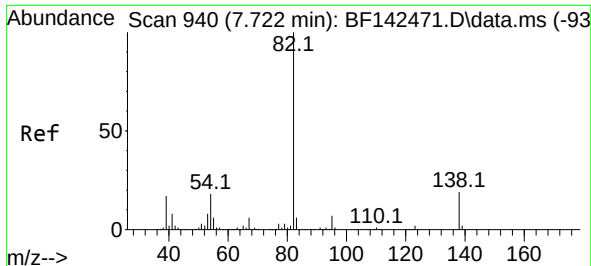


#23
Nitrobenzene-d5
Concen: 37.914 ng
RT: 7.451 min Scan# 894
Delta R.T. -0.023 min
Lab File: BF142616.D
Acq: 04 Jun 2025 19:47

Tgt Ion: 82 Resp: 349375

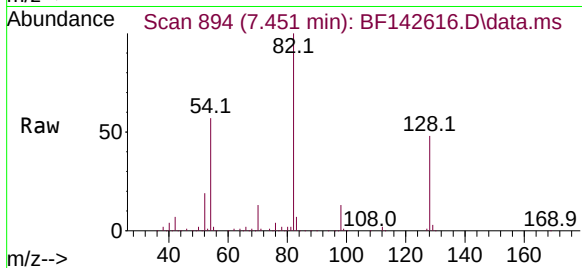
Ion	Ratio	Lower	Upper
82	100		
128	47.9	37.4	56.2
54	56.8	46.6	70.0



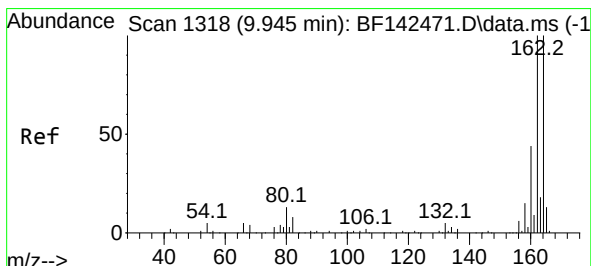
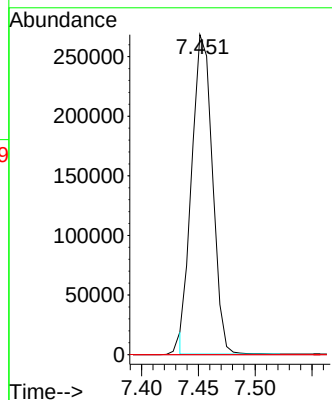
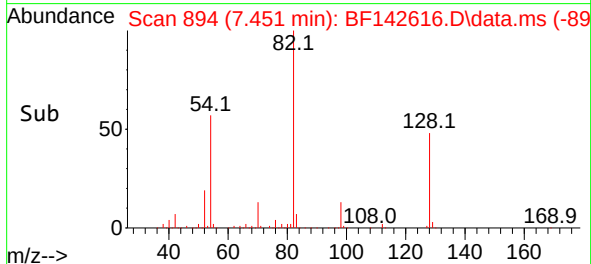


#25
Isophorone
Concen: 22.011 ng
RT: 7.451 min Scan# 89
Delta R.T. -0.282 min
Lab File: BF142616.D
Acq: 04 Jun 2025 19:47

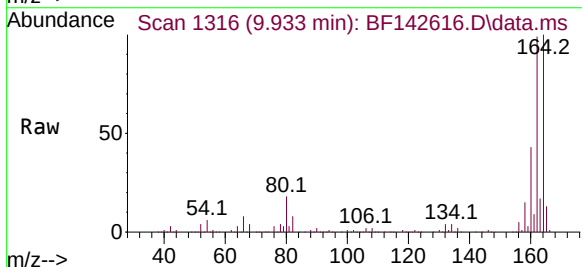
Instrument :
BNA_F
ClientSampleId :



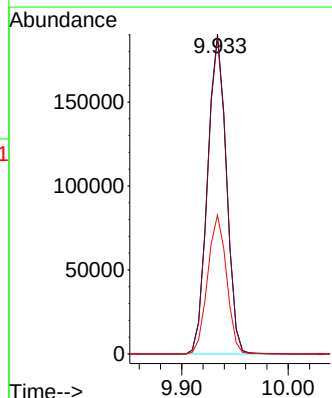
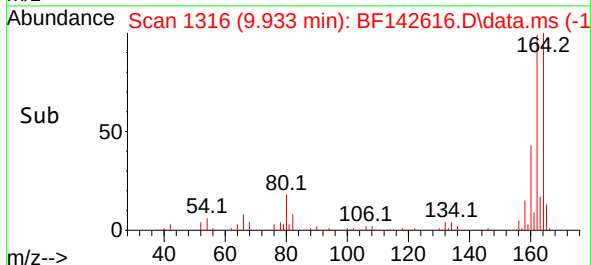
Tgt Ion: 82 Resp: 339117
Ion Ratio Lower Upper
82 100
95 0.0 6.0 9.0#
138 0.0 15.5 23.3#

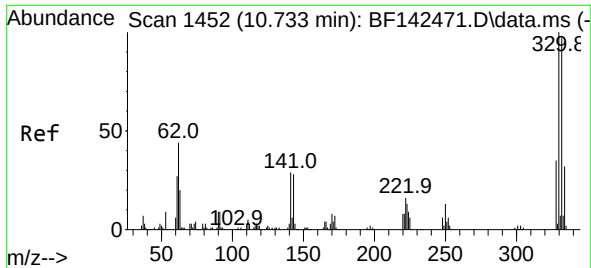


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.933 min Scan# 1316
Delta R.T. -0.012 min
Lab File: BF142616.D
Acq: 04 Jun 2025 19:47



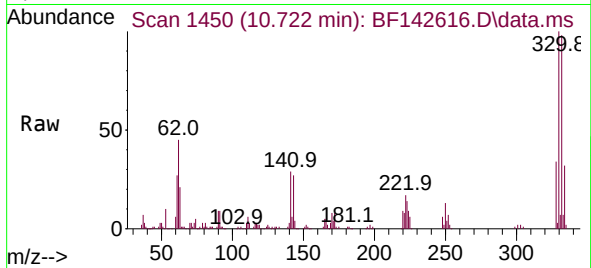
Tgt Ion:164 Resp: 233456
Ion Ratio Lower Upper
164 100
162 98.8 80.2 120.4
160 43.4 35.6 53.4



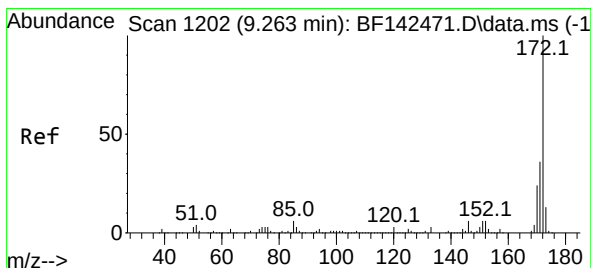
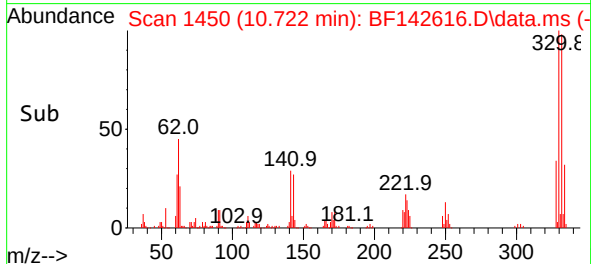
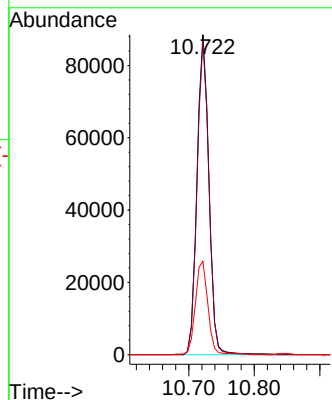


#42
 2,4,6-Tribromophenol
 Concen: 42.952 ng
 RT: 10.722 min Scan# 1452
 Delta R.T. -0.017 min
 Lab File: BF142616.D
 Acq: 04 Jun 2025 19:47

Instrument :
 BNA_F
 ClientSampleId :

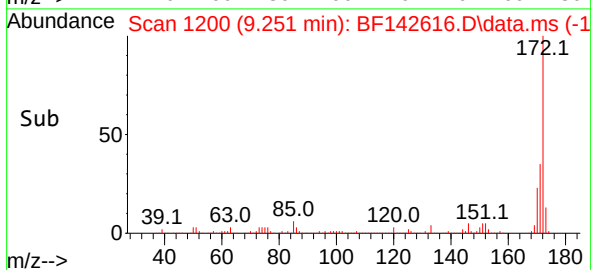
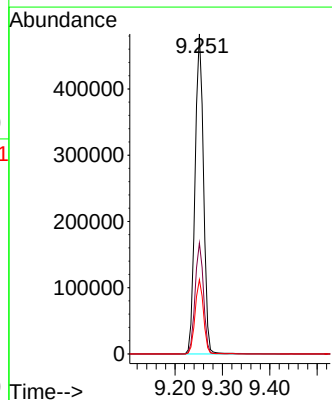
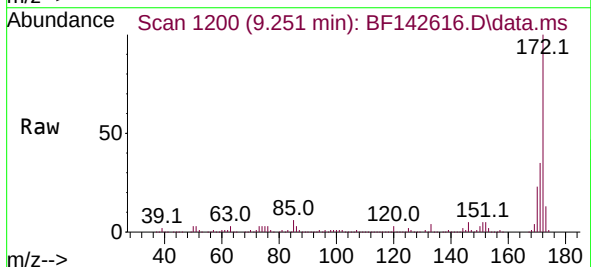


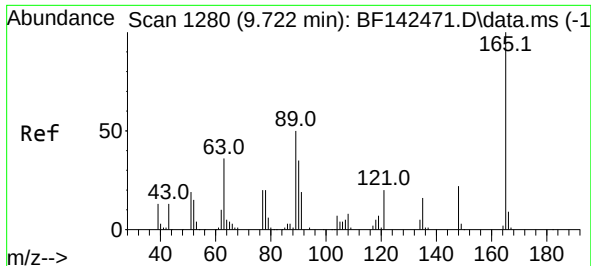
Tgt Ion: 330 Resp: 111291
 Ion Ratio Lower Upper
 330 100
 332 97.4 77.6 116.4
 141 30.7 24.6 36.8



#45
 2-Fluorobiphenyl
 Concen: 34.401 ng
 RT: 9.251 min Scan# 1200
 Delta R.T. -0.017 min
 Lab File: BF142616.D
 Acq: 04 Jun 2025 19:47

Tgt Ion: 172 Resp: 598499
 Ion Ratio Lower Upper
 172 100
 171 34.6 28.6 42.8
 170 23.2 18.9 28.3





#51

2,6-Dinitrotoluene

Concen: 8.957 ng

RT: 9.933 min Scan# 1316

Delta R.T. 0.206 min

Lab File: BF142616.D

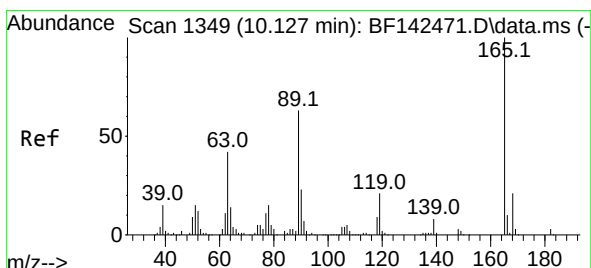
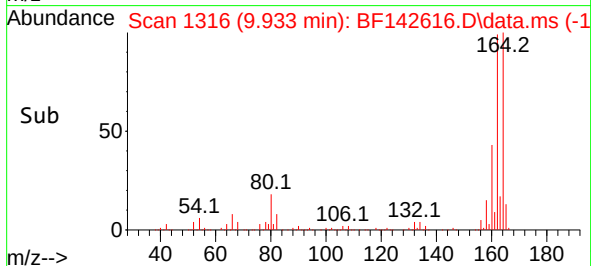
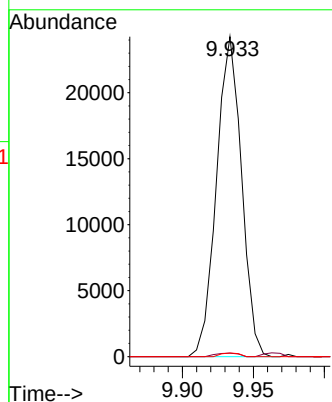
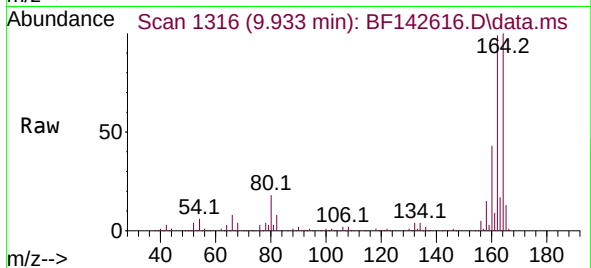
Acq: 04 Jun 2025 19:47

Instrument :

BNA_F

ClientSampleId :

Tgt Ion:165	Resp:	29781
Ion Ratio	Lower	Upper
165	100	
63	1.1	42.9 64.3#
89	1.1	40.2 60.4#



#57

2,4-Dinitrotoluene

Concen: 6.859 ng

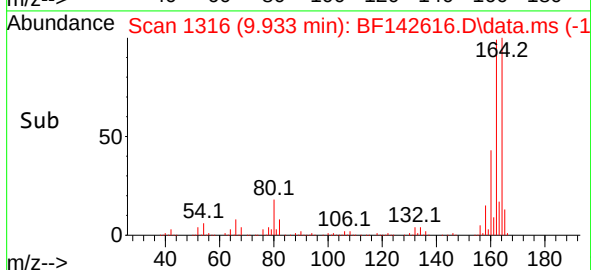
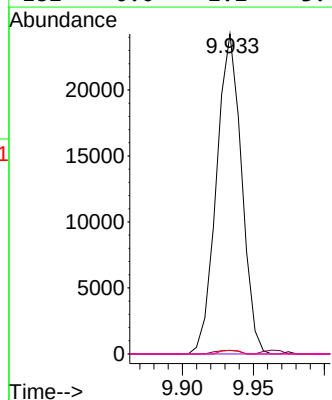
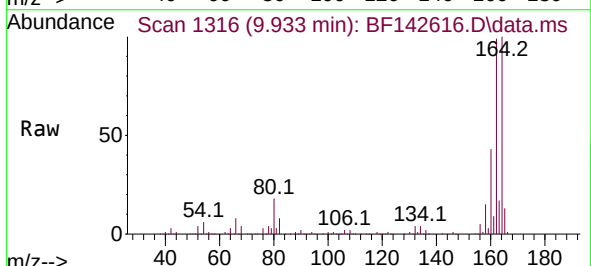
RT: 9.933 min Scan# 1316

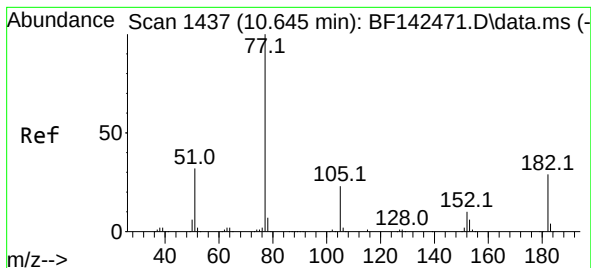
Delta R.T. -0.200 min

Lab File: BF142616.D

Acq: 04 Jun 2025 19:47

Tgt Ion:165	Resp:	29781
Ion Ratio	Lower	Upper
165	100	
63	1.1	33.6 50.4#
89	1.1	50.2 75.4#
182	0.0	2.2 3.4#





#63

Azobenzene

Concen: 2.440 ng

RT: 10.645 min Scan# 14

Delta R.T. 0.000 min

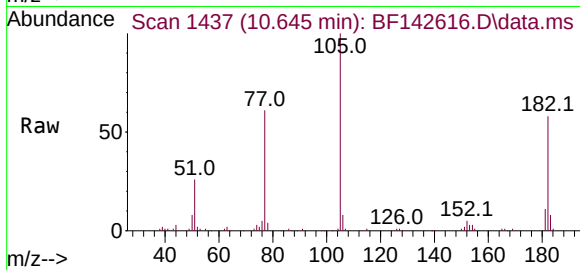
Lab File: BF142616.D

Acq: 04 Jun 2025 19:47

Instrument :

BNA_F

ClientSampleId :



Tgt Ion: 77 Resp: 32968

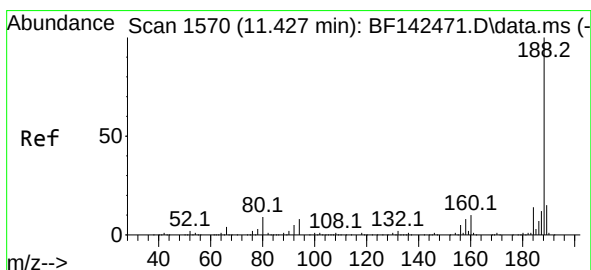
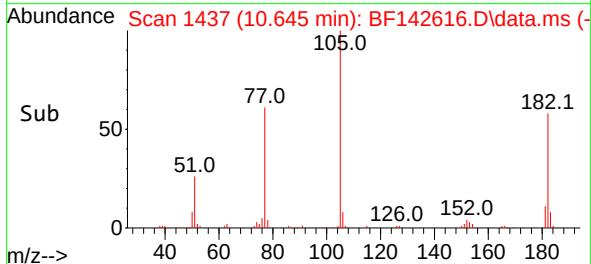
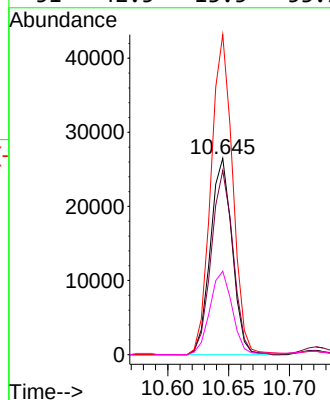
Ion Ratio Lower Upper

77 100

182 93.8 9.0 49.0#

105 163.1 2.4 42.4#

51 42.5 13.5 53.5



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.422 min Scan# 1569

Delta R.T. -0.012 min

Lab File: BF142616.D

Acq: 04 Jun 2025 19:47

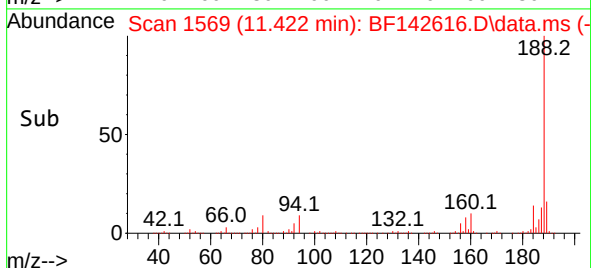
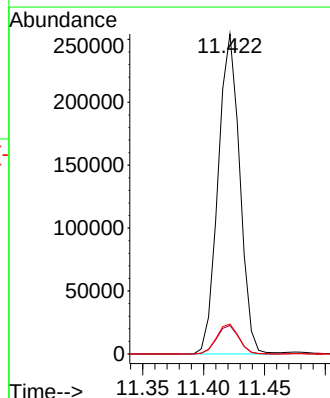
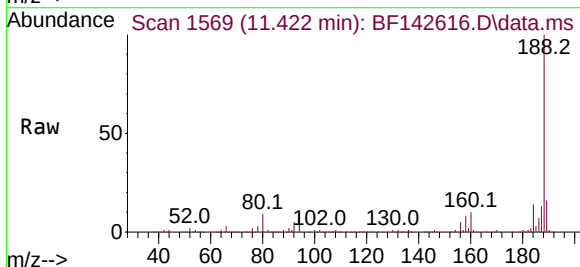
Tgt Ion: 188 Resp: 314509

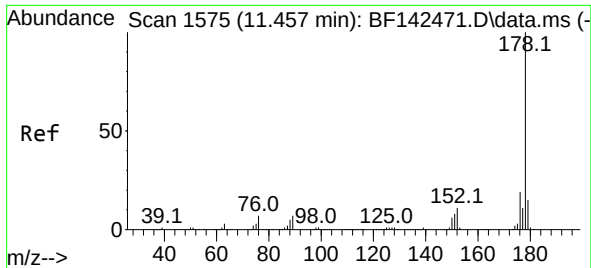
Ion Ratio Lower Upper

188 100

94 8.9 6.6 10.0

80 9.3 7.4 11.0

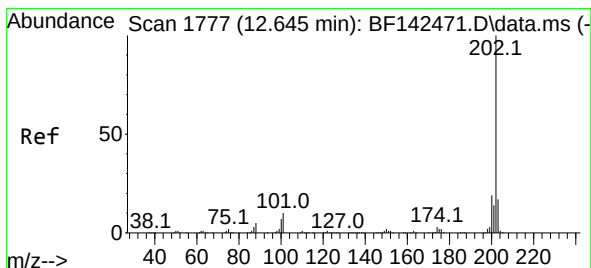
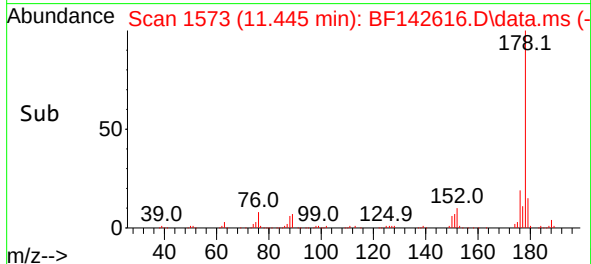
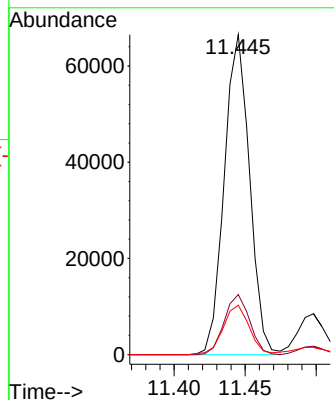
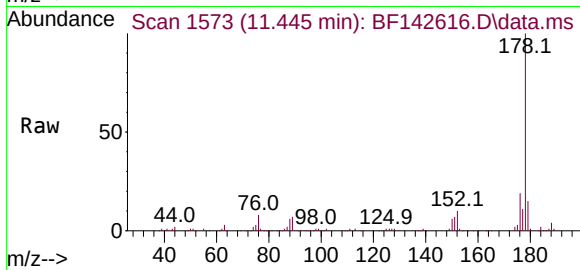




#71
Phenanthrene
Concen: 4.905 ng
RT: 11.445 min Scan# 11
Delta R.T. -0.012 min
Lab File: BF142616.D
Acq: 04 Jun 2025 19:47

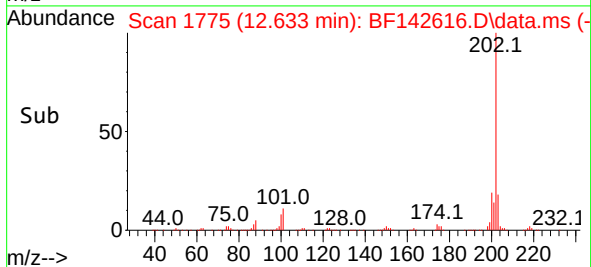
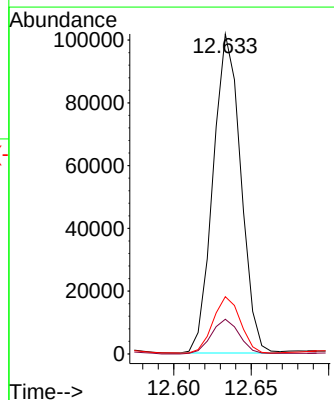
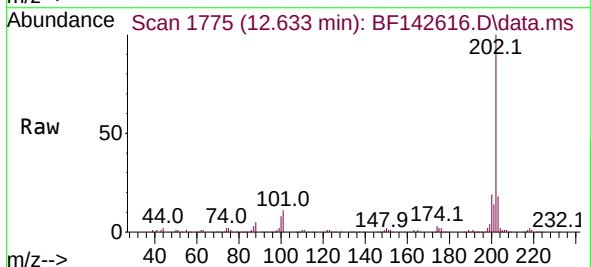
Instrument :
BNA_F
ClientSampleId :

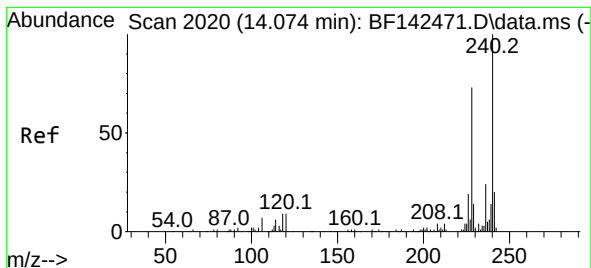
Tgt Ion:178 Resp: 82441
Ion Ratio Lower Upper
178 100
176 18.8 15.4 23.0
179 15.4 12.3 18.5



#75
Fluoranthene
Concen: 8.082 ng
RT: 12.633 min Scan# 1775
Delta R.T. -0.012 min
Lab File: BF142616.D
Acq: 04 Jun 2025 19:47

Tgt Ion:202 Resp: 126936
Ion Ratio Lower Upper
202 100
101 10.8 0.0 29.6
203 17.9 0.0 37.2





#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.063 min Scan# 20

Delta R.T. -0.012 min

Lab File: BF142616.D

Acq: 04 Jun 2025 19:47

Instrument :

BNA_F

ClientSampleId :

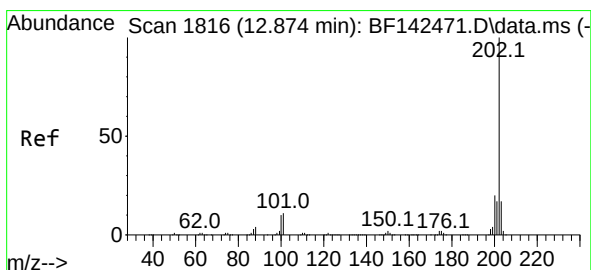
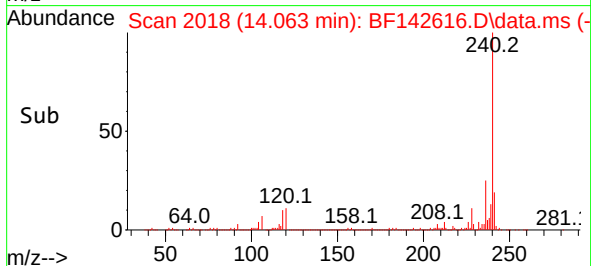
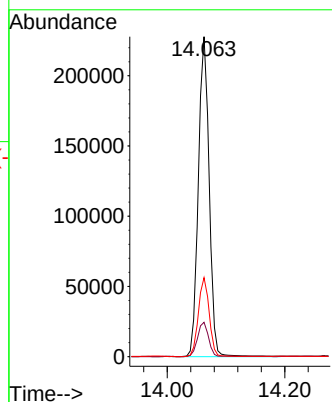
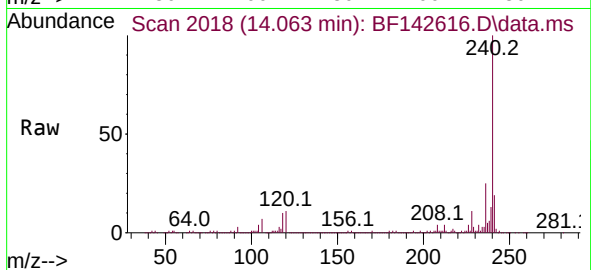
Tgt Ion:240 Resp: 290256

Ion Ratio Lower Upper

240 100

120 10.7 7.5 11.3

236 24.7 19.6 29.4



#78

Pyrene

Concen: 4.944 ng

RT: 12.863 min Scan# 1814

Delta R.T. -0.012 min

Lab File: BF142616.D

Acq: 04 Jun 2025 19:47

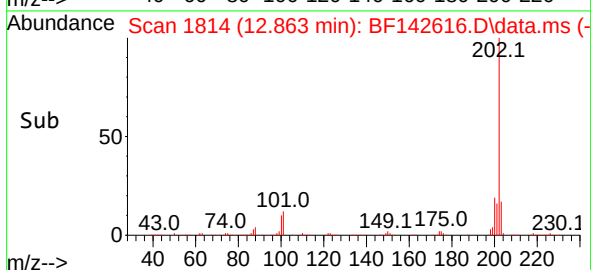
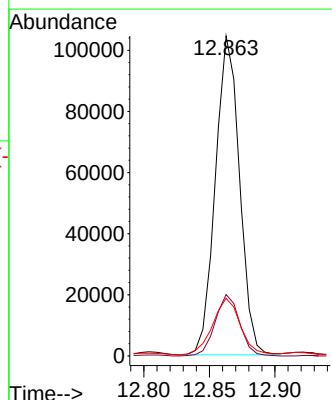
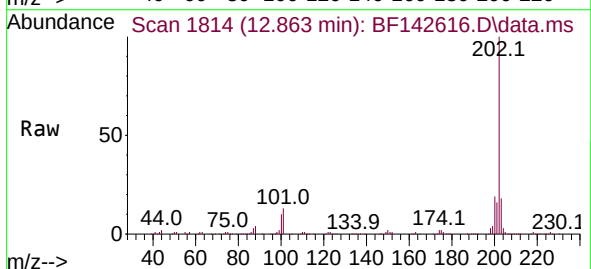
Tgt Ion:202 Resp: 133864

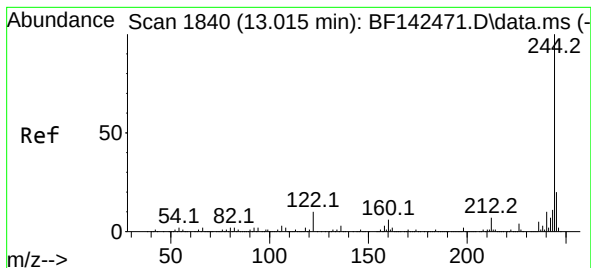
Ion Ratio Lower Upper

202 100

200 19.2 16.1 24.1

203 18.0 13.9 20.9





#79

Terphenyl-d14

Concen: 19.471 ng

RT: 13.004 min Scan# 1840

Delta R.T. -0.012 min

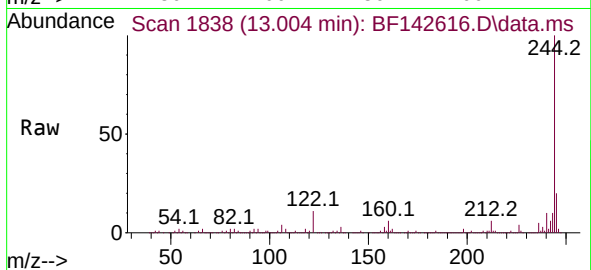
Lab File: BF142616.D

Acq: 04 Jun 2025 19:47

Instrument :

BNA_F

ClientSampleId :



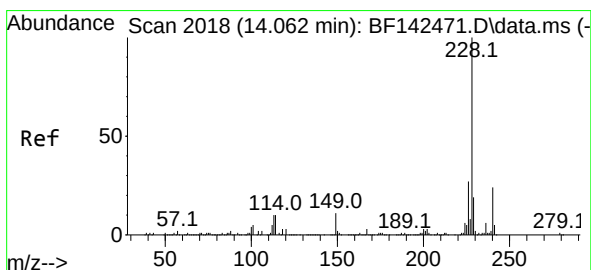
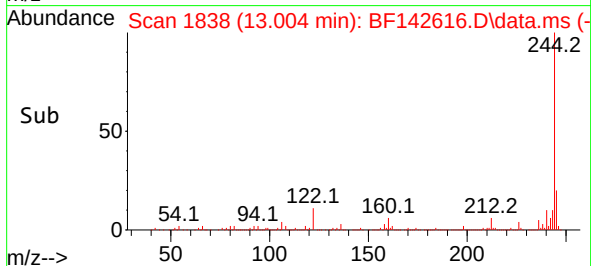
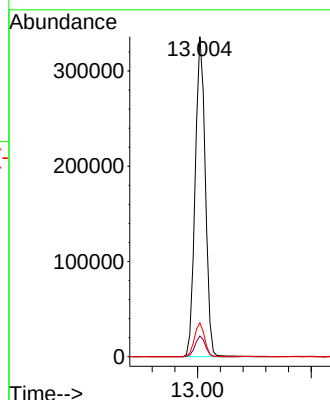
Tgt Ion:244 Resp: 413575

Ion Ratio Lower Upper

244 100

212 6.4 5.3 7.9

122 10.5 8.2 12.2



#81

Benzo(a)anthracene

Concen: 3.388 ng

RT: 14.086 min Scan# 2022

Delta R.T. 0.024 min

Lab File: BF142616.D

Acq: 04 Jun 2025 19:47

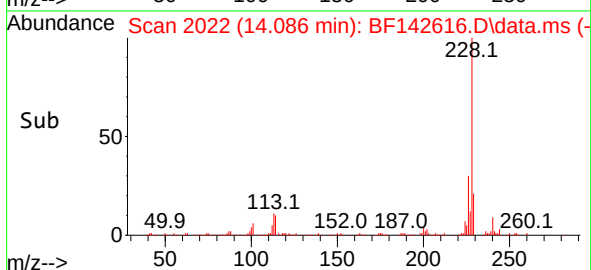
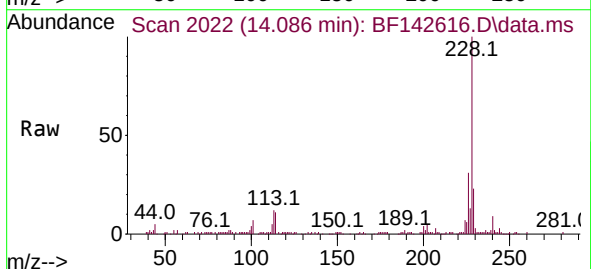
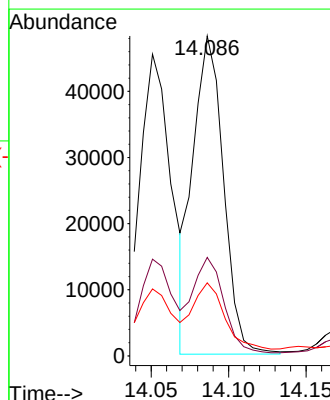
Tgt Ion:228 Resp: 65673

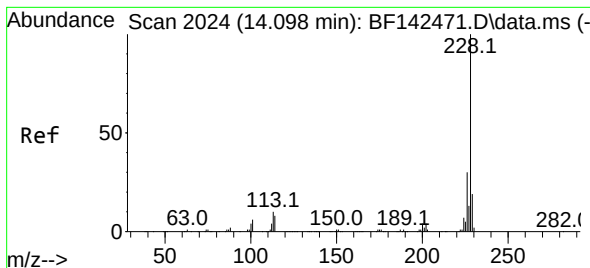
Ion Ratio Lower Upper

228 100

226 30.8 21.2 31.8

229 22.8 15.5 23.3





#83

Chrysene

Concen: 3.771 ng

RT: 14.086 min Scan# 20

Delta R.T. -0.017 min

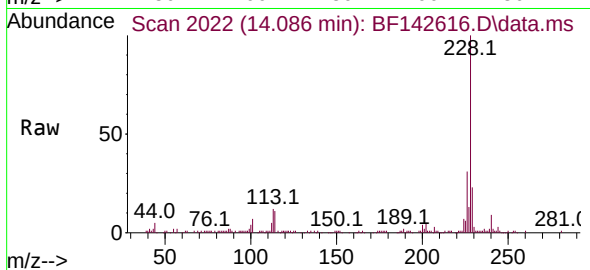
Lab File: BF142616.D

Acq: 04 Jun 2025 19:47

Instrument :

BNA_F

ClientSampleId :



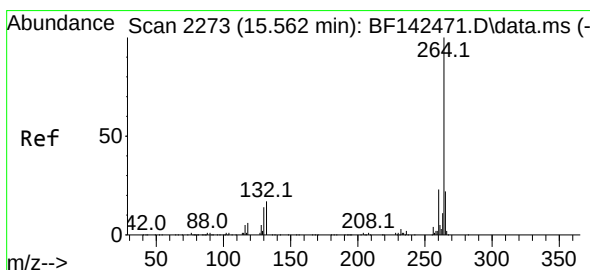
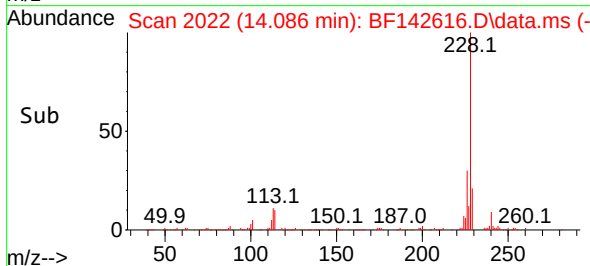
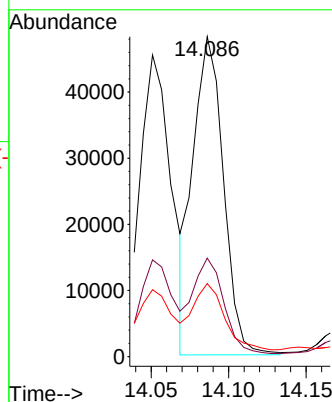
Tgt Ion:228 Resp: 65673

Ion Ratio Lower Upper

228 100

226 30.8 23.8 35.6

229 22.8 15.4 23.2



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.557 min Scan# 2272

Delta R.T. -0.012 min

Lab File: BF142616.D

Acq: 04 Jun 2025 19:47

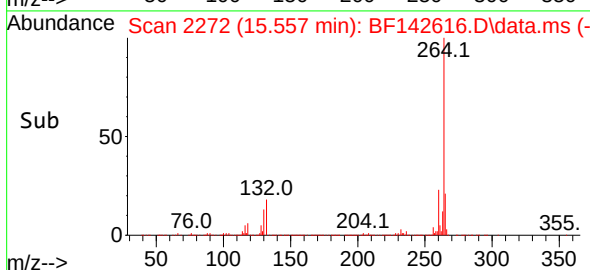
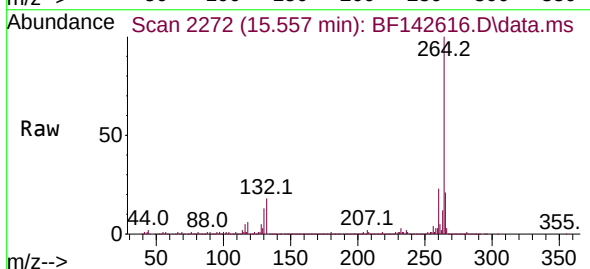
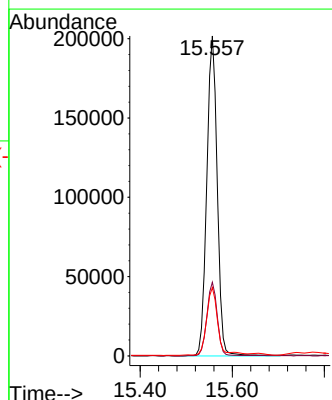
Tgt Ion:264 Resp: 316591

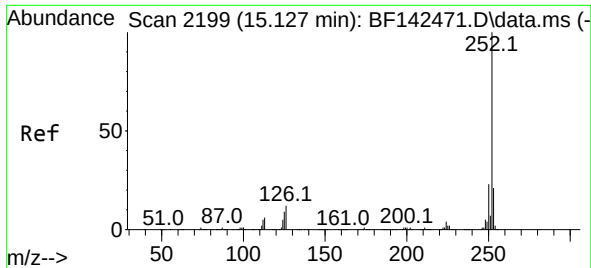
Ion Ratio Lower Upper

264 100

260 23.0 18.6 28.0

265 21.3 17.7 26.5

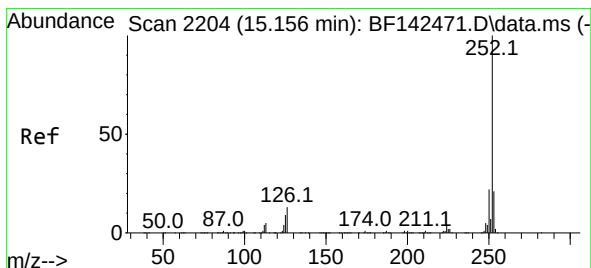
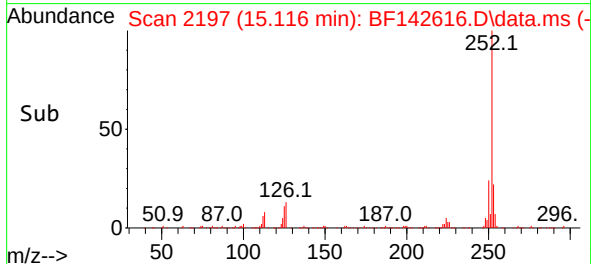
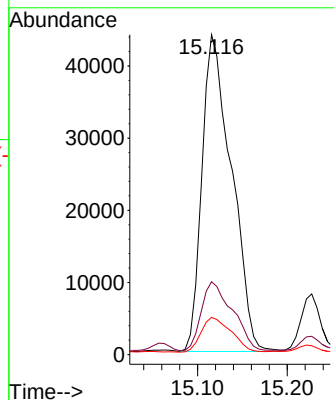
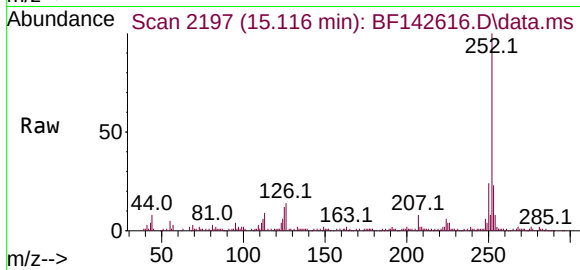




#88
Benzo(b)fluoranthene
Concen: 5.374 ng
RT: 15.116 min Scan# 2199
Delta R.T. -0.012 min
Lab File: BF142616.D
Acq: 04 Jun 2025 19:47

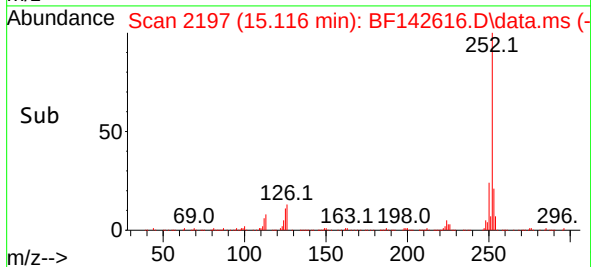
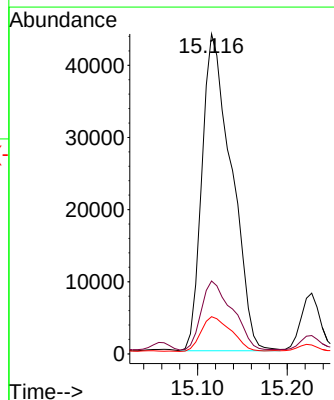
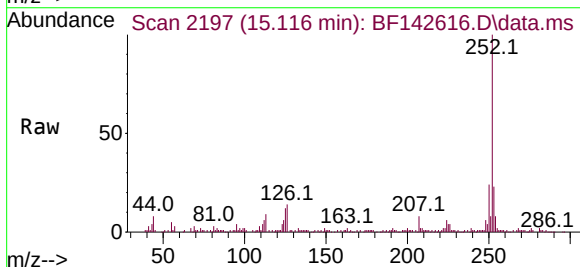
Instrument :
BNA_F
ClientSampleId :

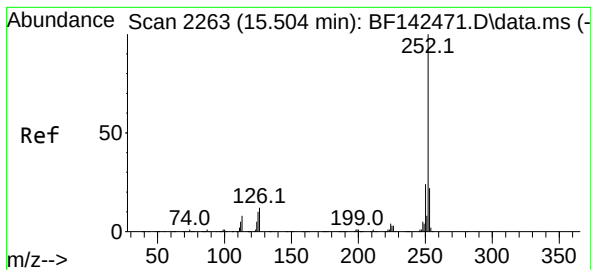
Tgt Ion:252 Resp: 100697
Ion Ratio Lower Upper
252 100
253 22.8 17.0 25.4
125 11.6 7.4 11.0#



#89
Benzo(k)fluoranthene
Concen: 5.738 ng
RT: 15.116 min Scan# 2197
Delta R.T. -0.047 min
Lab File: BF142616.D
Acq: 04 Jun 2025 19:47

Tgt Ion:252 Resp: 100697
Ion Ratio Lower Upper
252 100
253 22.8 17.0 25.4
125 11.6 7.3 10.9#





#90

Benzo(a)pyrene

Concen: 3.071 ng

RT: 15.492 min Scan# 2261

Delta R.T. -0.017 min

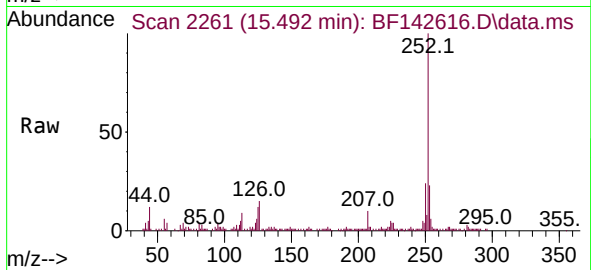
Lab File: BF142616.D

Acq: 04 Jun 2025 19:47

Instrument :

BNA_F

ClientSampleId :



Tgt Ion:252 Resp: 54246

Ion Ratio Lower Upper

252 100

253 22.7 17.4 26.0

125 11.8 7.9 11.9

