

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF051625\
 Data File : BF142437.D
 Acq On : 16 May 2025 20:09
 Operator : RC/JU
 Sample : Q2047-01 2X
 Misc :
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SU-04-051425

Quant Time: May 16 22:43:07 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF050525.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon May 05 18:41:44 2025
 Response via : Initial Calibration

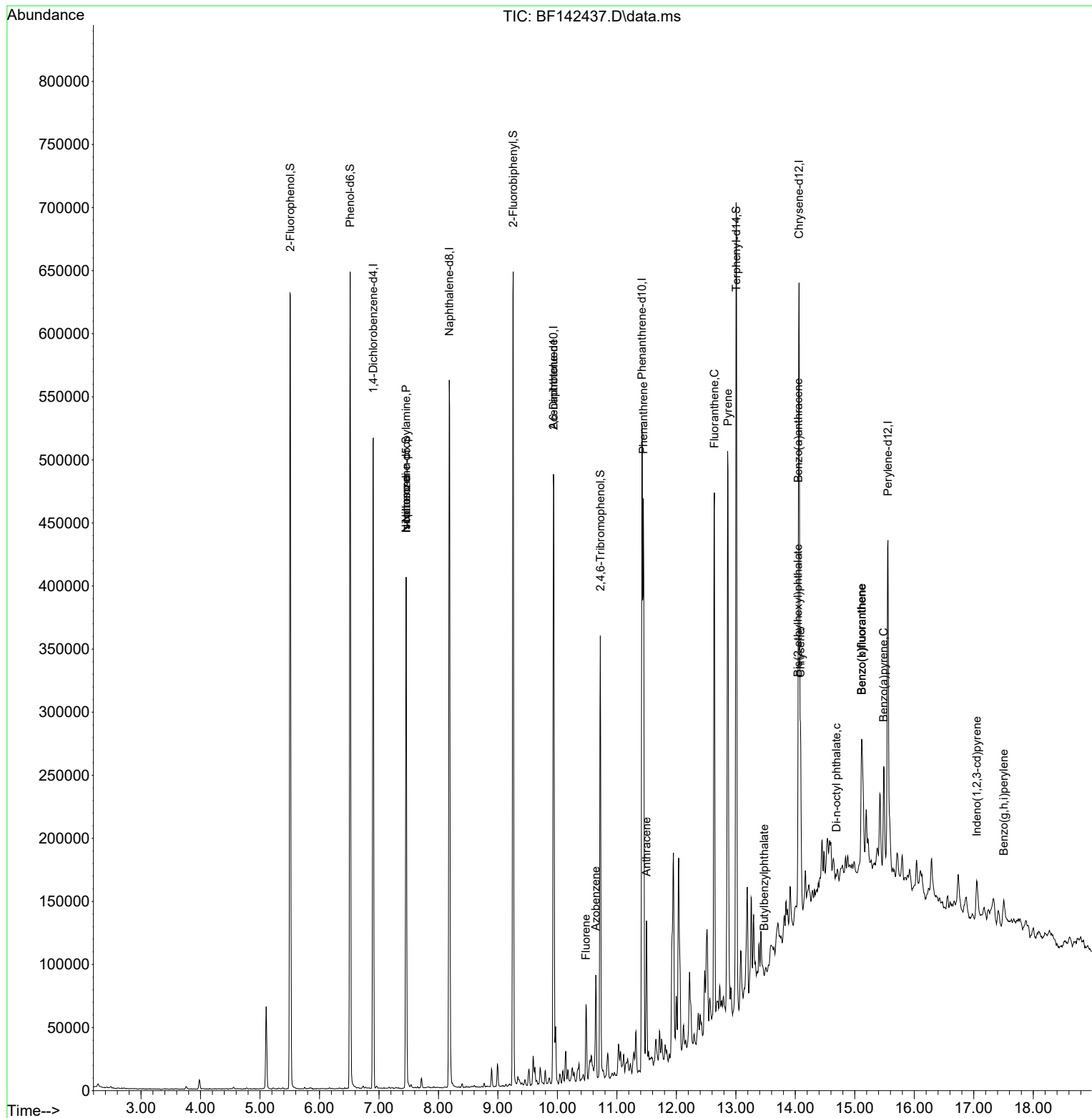
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.904	152	115298	20.000	ng	0.00
21) Naphthalene-d8	8.181	136	364744	20.000	ng	0.00
39) Acenaphthene-d10	9.933	164	151222	20.000	ng	-0.01
64) Phenanthrene-d10	11.422	188	266570	20.000	ng	-0.01
76) Chrysene-d12	14.063	240	197047	20.000	ng	0.00
86) Perylene-d12	15.557	264	160025	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.510	112	248695	36.821	ng	0.00
7) Phenol-d6	6.516	99	281022	33.829	ng	0.00
23) Nitrobenzene-d5	7.457	82	163318	27.308	ng	-0.01
42) 2,4,6-Tribromophenol	10.722	330	58042	39.754	ng	-0.01
45) 2-Fluorobiphenyl	9.257	172	299294	28.221	ng	0.00
79) Terphenyl-d14	13.010	244	317652	23.860	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propyla...	7.457	70	21217	4.129	ng	# 76
25) Isophorone	7.457	82	160859	14.204	ng	# 62
51) 2,6-Dinitrotoluene	9.933	165	19461	10.707	ng	# 22
58) Fluorene	10.480	166	23278	2.383	ng	97
63) Azobenzene	10.645	77	18647	2.012	ng	# 1
71) Phenanthrene	11.445	178	231504	16.568	ng	99
72) Anthracene	11.498	178	64942	4.523	ng	99
75) Fluoranthene	12.639	202	242337	17.350	ng	98
78) Pyrene	12.869	202	265804	15.155	ng	99
80) Butylbenzylphthalate	13.474	149	254	3.705	ng	# 49
81) Benzo(a)anthracene	14.051	228	91577	7.176	ng	96
83) Chrysene	14.086	228	79906	6.726	ng	97
84) Bis(2-ethylhexyl)phtha...	14.045	149	2036	4.515	ng	# 84
85) Di-n-octyl phthalate	14.692	149	449	7.871	ng	# 1
87) Indeno(1,2,3-cd)pyrene	17.051	276	23997	2.156	ng	# 91
88) Benzo(b)fluoranthene	15.115	252	88251	9.106	ng	# 94
89) Benzo(k)fluoranthene	15.115	252	88251	9.950	ng	# 93
90) Benzo(a)pyrene	15.486	252	53612	6.173	ng	94
92) Benzo(g,h,i)perylene	17.504	276	24323	2.665	ng	96

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

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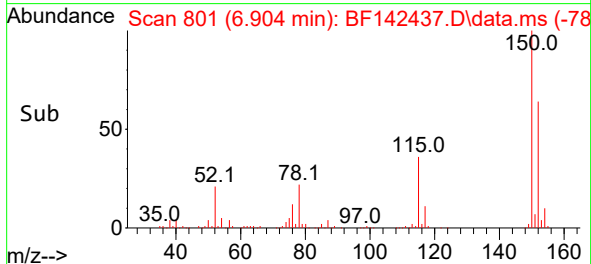
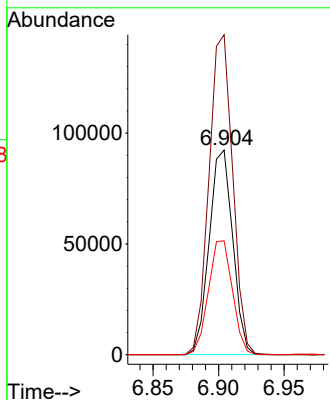
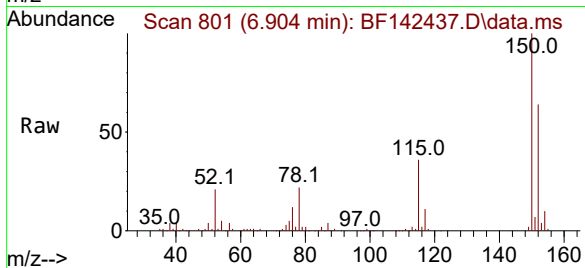




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.904 min Scan# 801
Delta R.T. 0.000 min
Lab File: BF142437.D
Acq: 16 May 2025 20:09

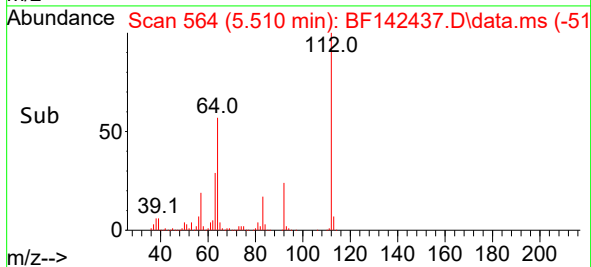
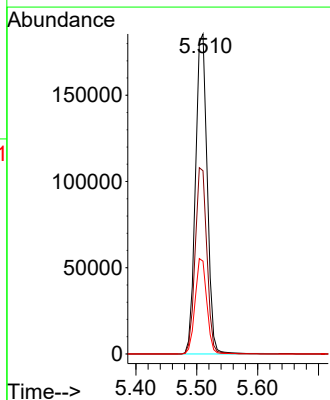
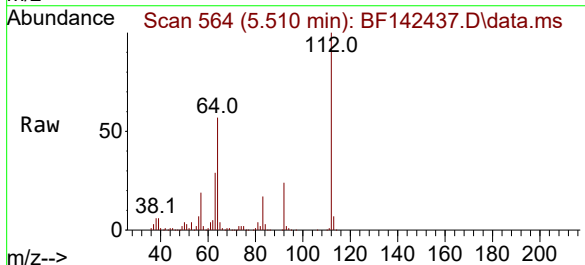
Instrument :
BNA_F
ClientSampleId :
SU-04-051425

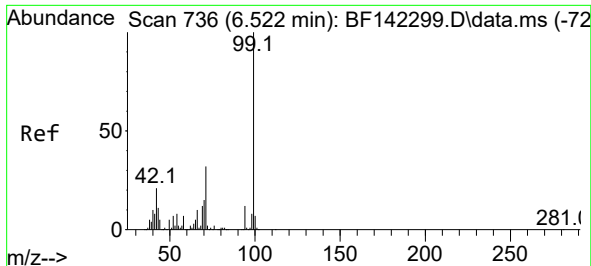
Tgt Ion:152 Resp: 115298
Ion Ratio Lower Upper
152 100
150 156.4 126.6 190.0
115 55.7 47.3 70.9



#5
2-Fluorophenol
Concen: 36.821 ng
RT: 5.510 min Scan# 564
Delta R.T. -0.000 min
Lab File: BF142437.D
Acq: 16 May 2025 20:09

Tgt Ion:112 Resp: 248695
Ion Ratio Lower Upper
112 100
64 57.3 48.9 73.3
63 29.0 25.6 38.4

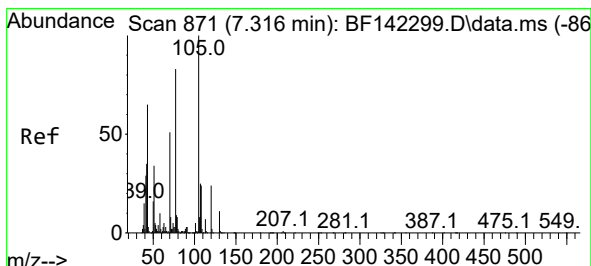
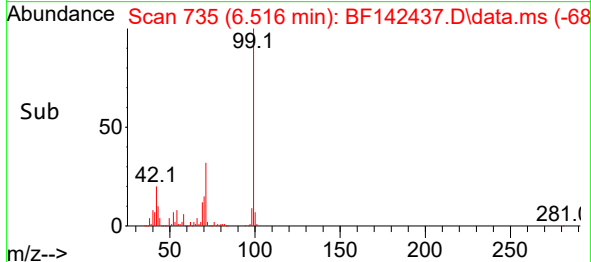
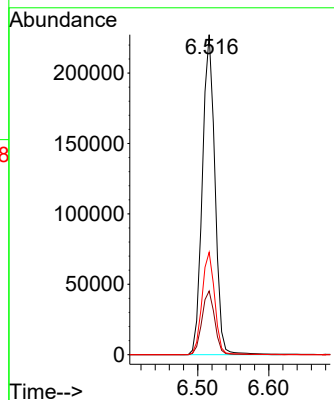
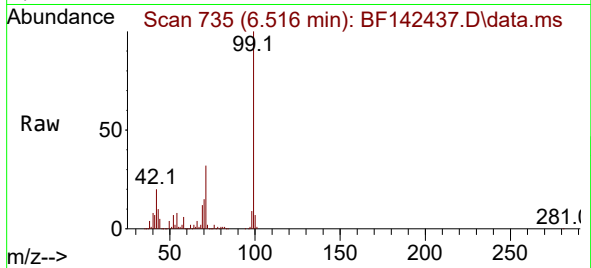




#7
Phenol-d6
Concen: 33.829 ng
RT: 6.516 min Scan# 71
Delta R.T. -0.006 min
Lab File: BF142437.D
Acq: 16 May 2025 20:09

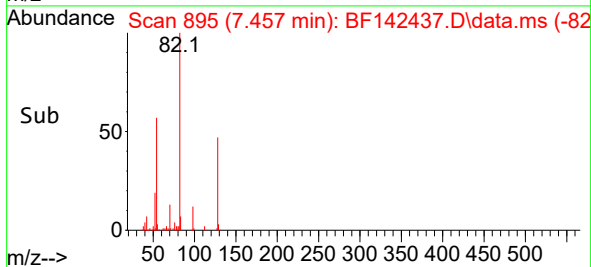
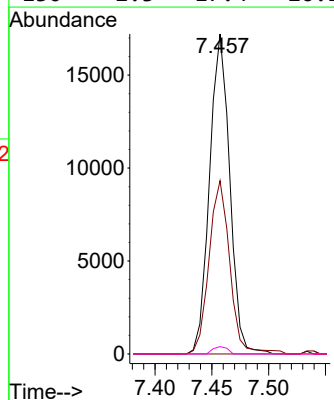
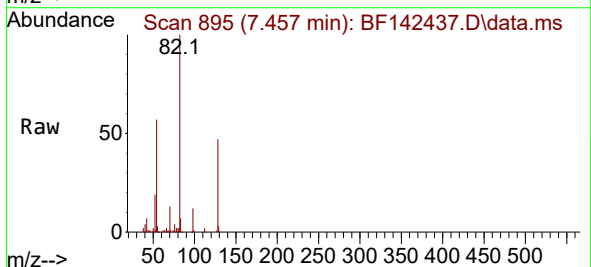
Instrument :
BNA_F
ClientSampleId :
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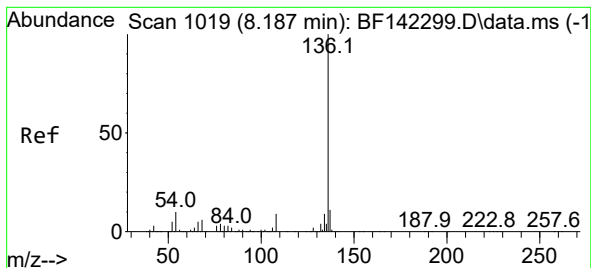
Tgt Ion: 99 Resp: 281022
Ion Ratio Lower Upper
99 100
42 19.9 17.0 25.4
71 32.0 25.8 38.8



#19
n-Nitroso-di-n-propylamine
Concen: 4.129 ng
RT: 7.457 min Scan# 895
Delta R.T. 0.141 min
Lab File: BF142437.D
Acq: 16 May 2025 20:09

Tgt Ion: 70 Resp: 21217
Ion Ratio Lower Upper
70 100
42 54.2 54.8 82.2#
101 0.0 7.7 11.5#
130 2.3 17.4 26.2#





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.181 min Scan# 1019

Delta R.T. -0.006 min

Lab File: BF142437.D

Acq: 16 May 2025 20:09

Instrument :

BNA_F

ClientSampleId :

SU-04-051425

Tgt Ion:136 Resp: 364744

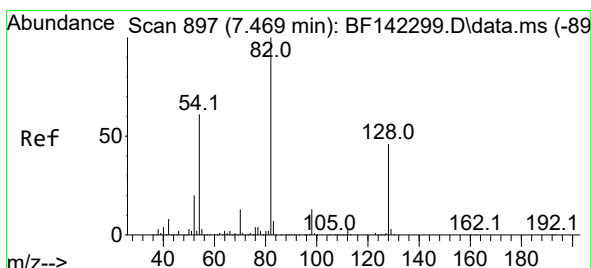
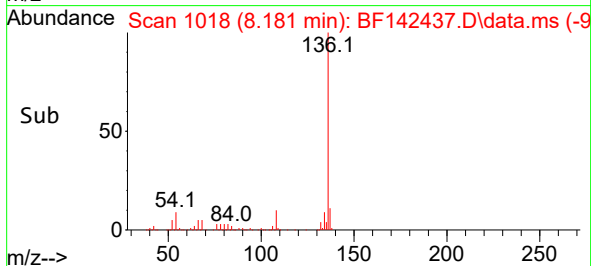
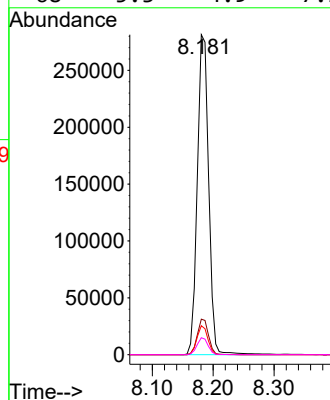
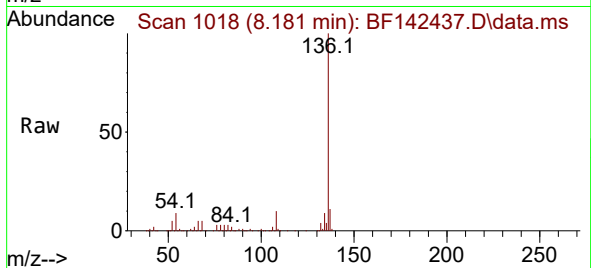
Ion Ratio Lower Upper

136 100

137 11.1 8.9 13.3

54 9.1 7.7 11.5

68 5.3 4.9 7.3



#23

Nitrobenzene-d5

Concen: 27.308 ng

RT: 7.457 min Scan# 895

Delta R.T. -0.012 min

Lab File: BF142437.D

Acq: 16 May 2025 20:09

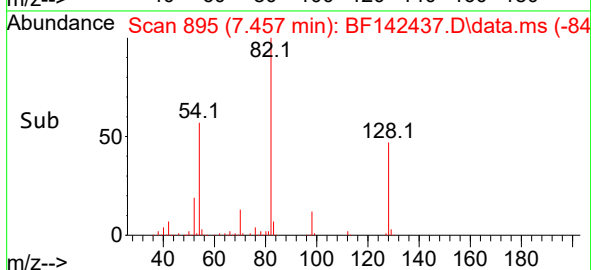
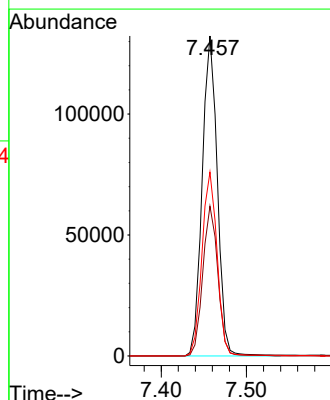
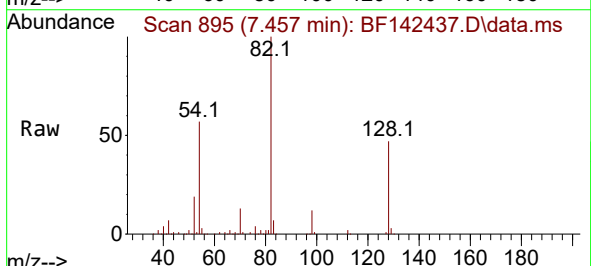
Tgt Ion: 82 Resp: 163318

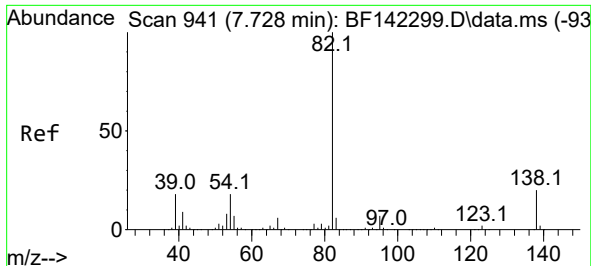
Ion Ratio Lower Upper

82 100

128 46.8 37.0 55.6

54 57.4 48.6 73.0

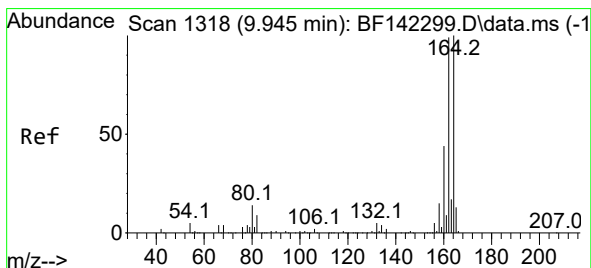
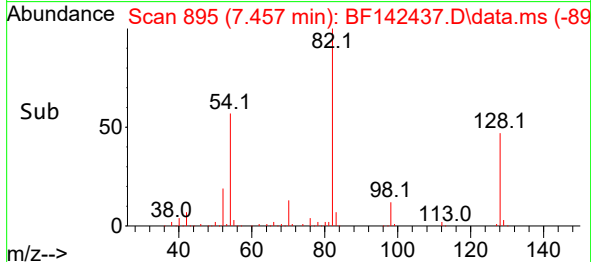
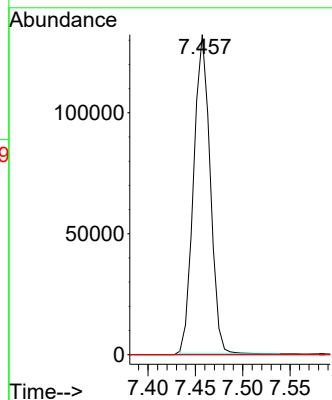
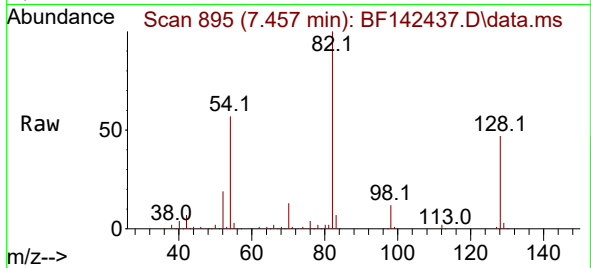




#25
Isophorone
Concen: 14.204 ng
RT: 7.457 min Scan# 895
Delta R.T. -0.271 min
Lab File: BF142437.D
Acq: 16 May 2025 20:09

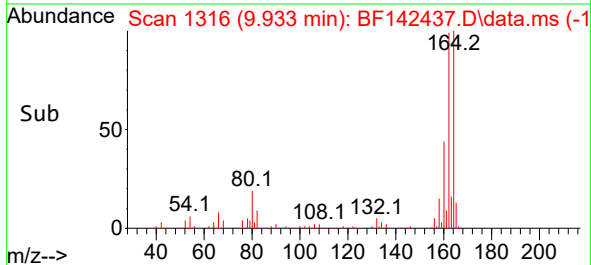
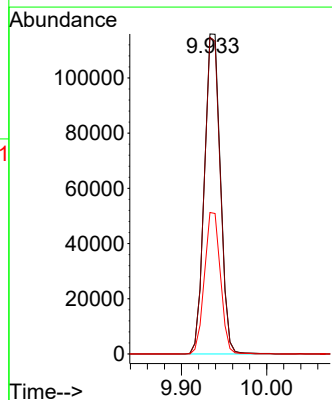
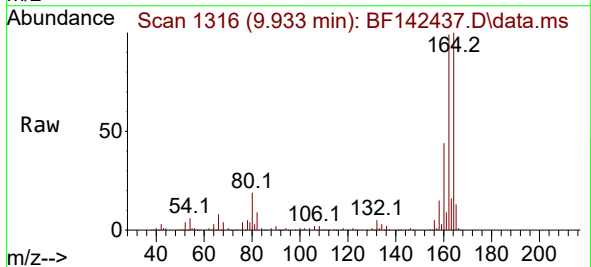
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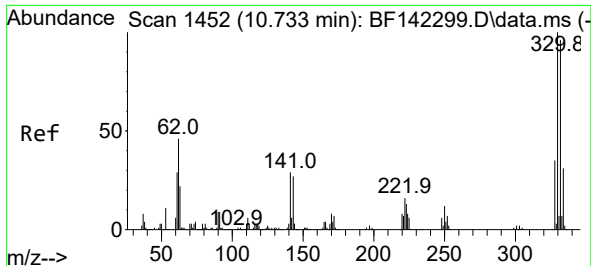
Tgt Ion: 82 Resp: 160859
Ion Ratio Lower Upper
82 100
95 0.0 5.8 8.8#
138 0.0 16.1 24.1#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.933 min Scan# 1316
Delta R.T. -0.012 min
Lab File: BF142437.D
Acq: 16 May 2025 20:09

Tgt Ion:164 Resp: 151222
Ion Ratio Lower Upper
164 100
162 99.0 79.2 118.8
160 44.2 35.3 52.9

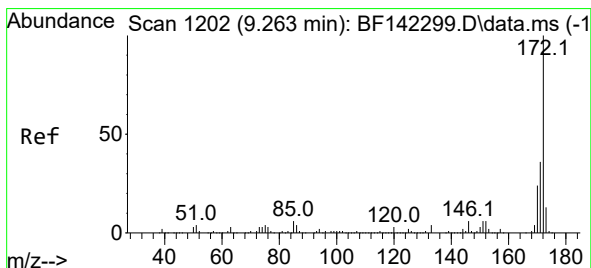
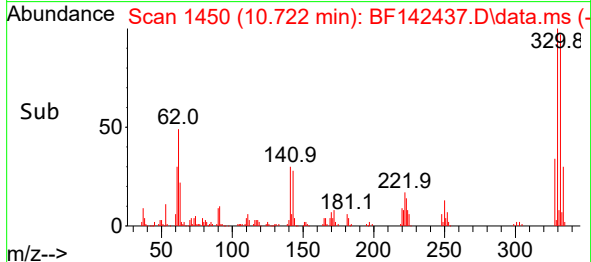
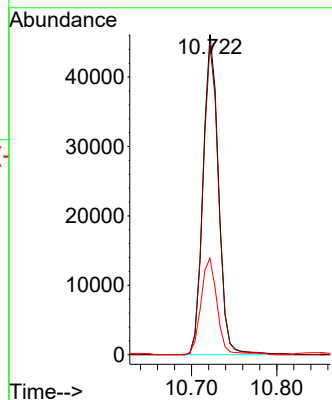
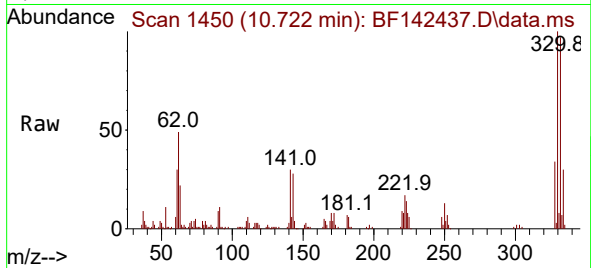




#42
2,4,6-Tribromophenol
Concen: 39.754 ng
RT: 10.722 min Scan# 1450
Delta R.T. -0.012 min
Lab File: BF142437.D
Acq: 16 May 2025 20:09

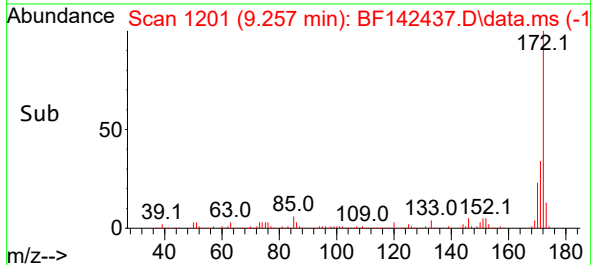
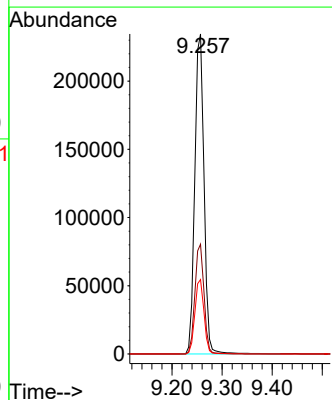
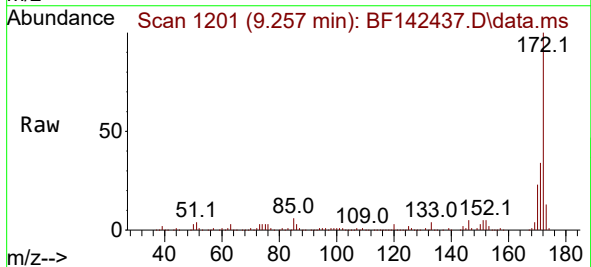
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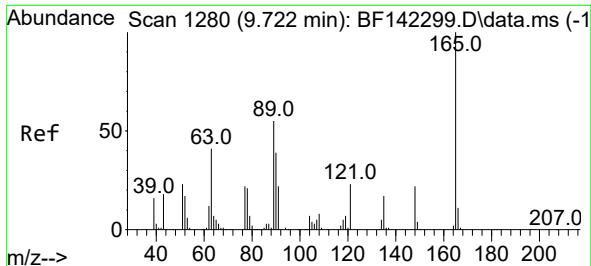
Tgt Ion:330 Resp: 58042
Ion Ratio Lower Upper
330 100
332 97.5 76.8 115.2
141 31.5 24.9 37.3



#45
2-Fluorobiphenyl
Concen: 28.221 ng
RT: 9.257 min Scan# 1201
Delta R.T. -0.006 min
Lab File: BF142437.D
Acq: 16 May 2025 20:09

Tgt Ion:172 Resp: 299294
Ion Ratio Lower Upper
172 100
171 34.3 28.6 42.8
170 23.3 19.0 28.4

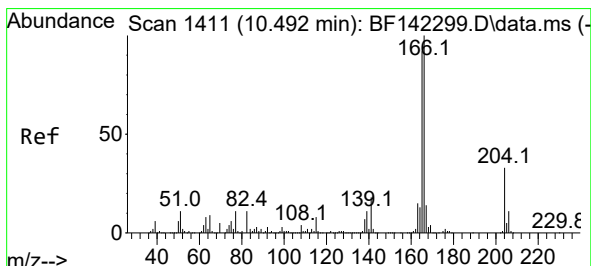
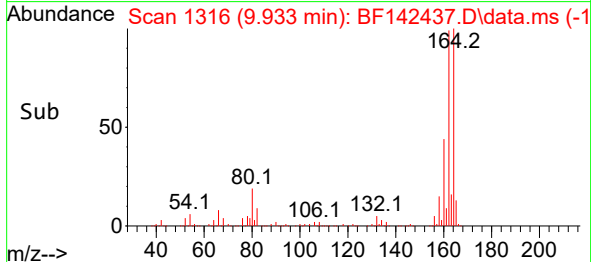
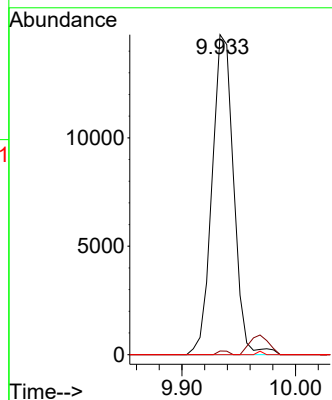
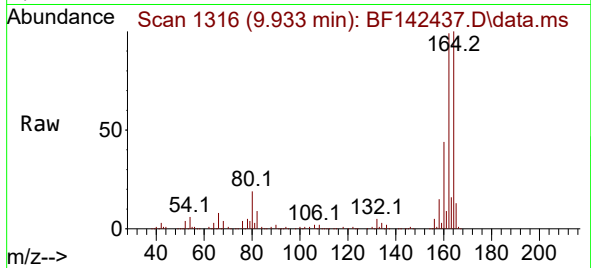




#51
2,6-Dinitrotoluene
Concen: 10.707 ng
RT: 9.933 min Scan# 11
Delta R.T. 0.212 min
Lab File: BF142437.D
Acq: 16 May 2025 20:09

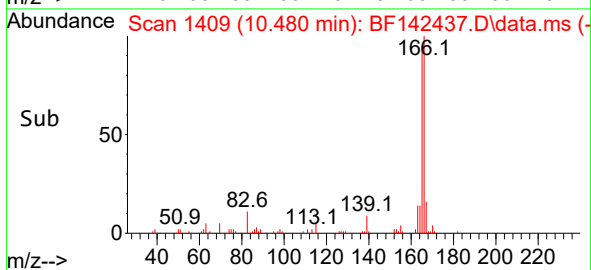
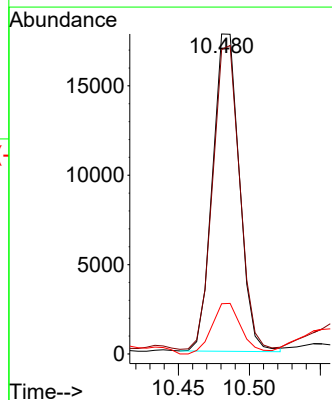
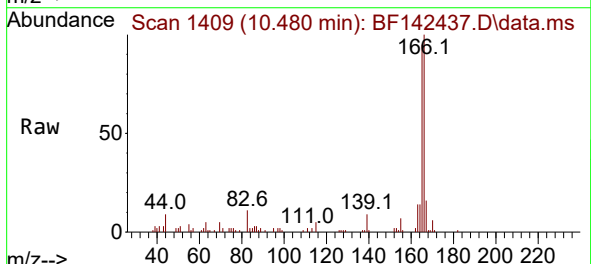
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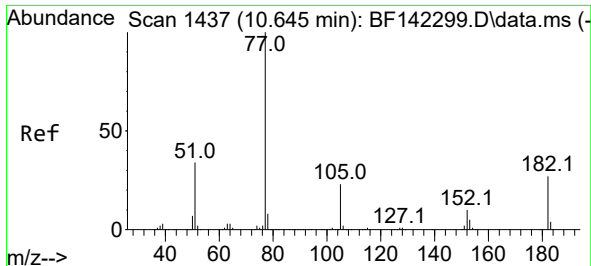
Tgt Ion	Ratio	Lower	Upper
165	100		
63	1.1	49.5	74.3#
89	0.0	44.6	66.8#



#58
Fluorene
Concen: 2.383 ng
RT: 10.480 min Scan# 1409
Delta R.T. -0.012 min
Lab File: BF142437.D
Acq: 16 May 2025 20:09

Tgt Ion	Ratio	Lower	Upper
166	100		
165	95.1	74.0	111.0
167	15.7	10.9	16.3

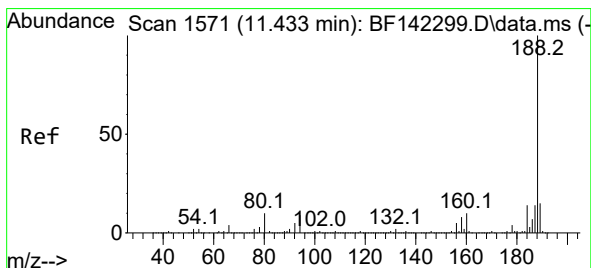
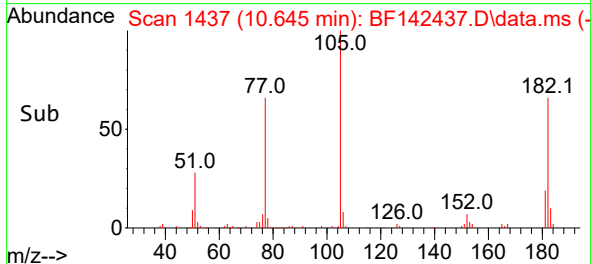
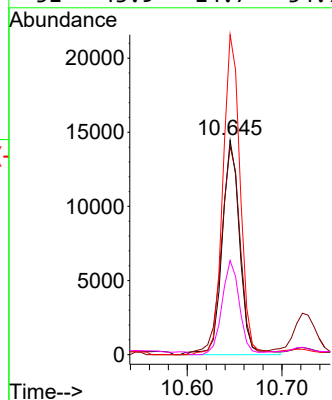
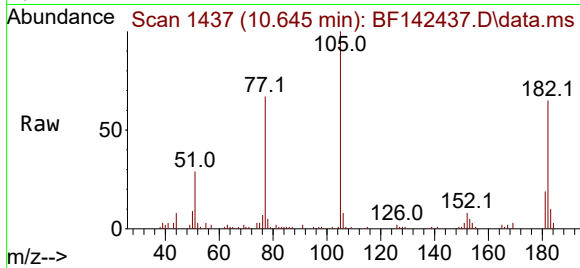




#63
Azobenzene
Concen: 2.012 ng
RT: 10.645 min Scan# 1437
Delta R.T. -0.000 min
Lab File: BF142437.D
Acq: 16 May 2025 20:09

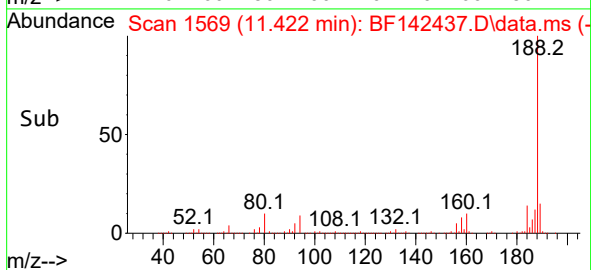
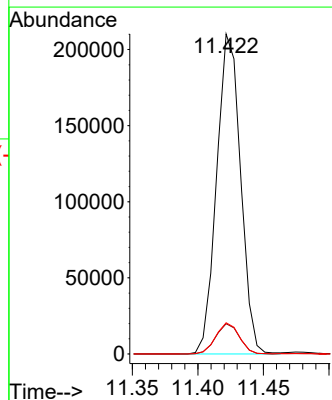
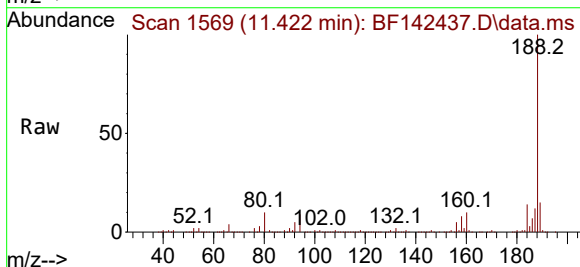
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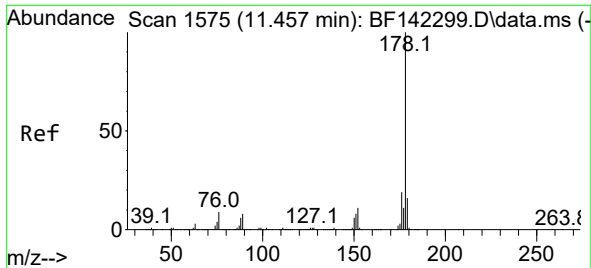
Tgt Ion: 77	Resp: 18647
Ion Ratio	Lower Upper
77 100	
182 97.5	6.9 46.9#
105 149.3	2.7 42.7#
51 43.9	14.7 54.7



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.422 min Scan# 1569
Delta R.T. -0.012 min
Lab File: BF142437.D
Acq: 16 May 2025 20:09

Tgt Ion: 188	Resp: 266570
Ion Ratio	Lower Upper
188 100	
94 9.5	7.5 11.3
80 9.7	7.9 11.9

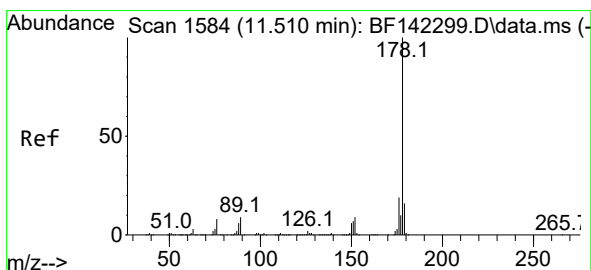
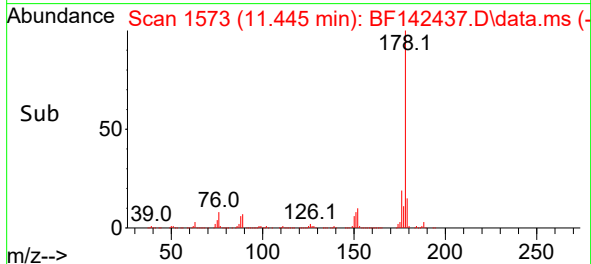
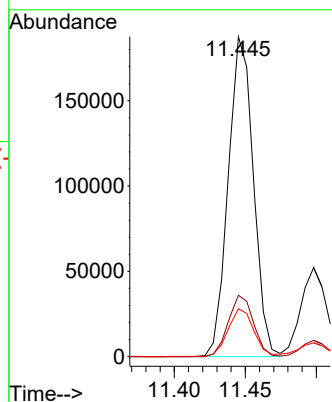
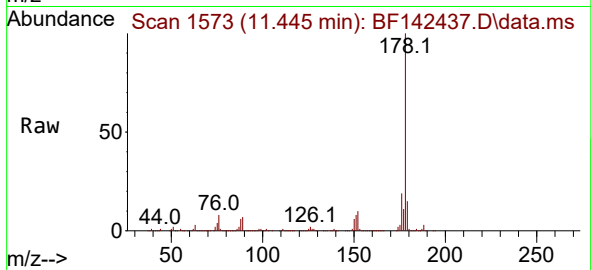




#71
Phenanthrene
Concen: 16.568 ng
RT: 11.445 min Scan# 11
Delta R.T. -0.012 min
Lab File: BF142437.D
Acq: 16 May 2025 20:09

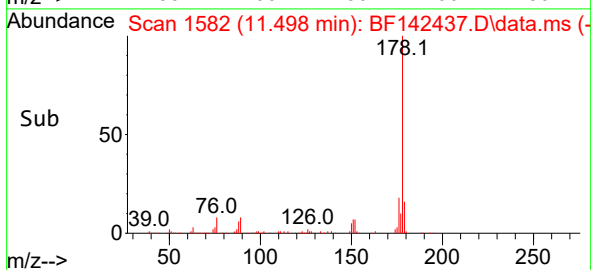
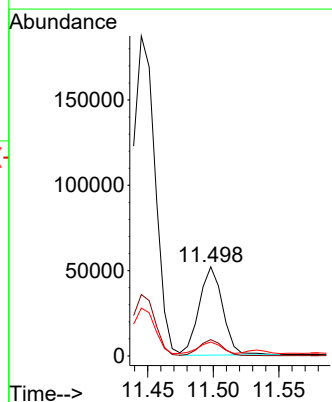
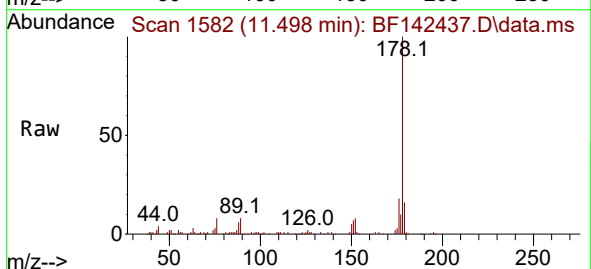
Instrument :
BNA_F
ClientSampleId :
SU-04-051425

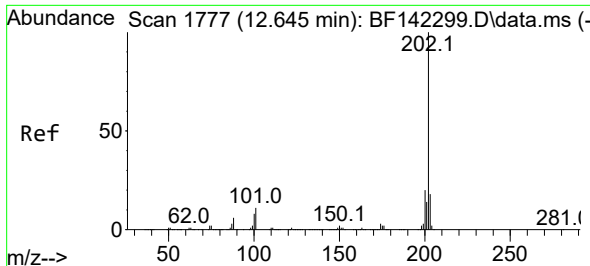
Tgt Ion:178 Resp: 231504
Ion Ratio Lower Upper
178 100
176 19.2 15.5 23.3
179 15.0 12.6 18.8



#72
Anthracene
Concen: 4.523 ng
RT: 11.498 min Scan# 1582
Delta R.T. -0.012 min
Lab File: BF142437.D
Acq: 16 May 2025 20:09

Tgt Ion:178 Resp: 64942
Ion Ratio Lower Upper
178 100
176 18.4 15.3 22.9
179 15.6 12.6 18.8

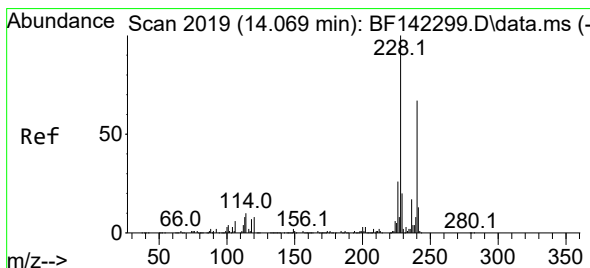
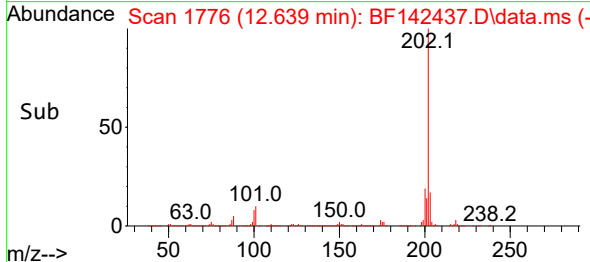
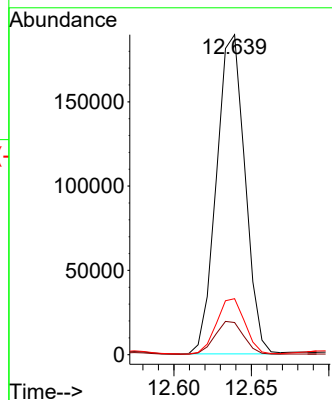
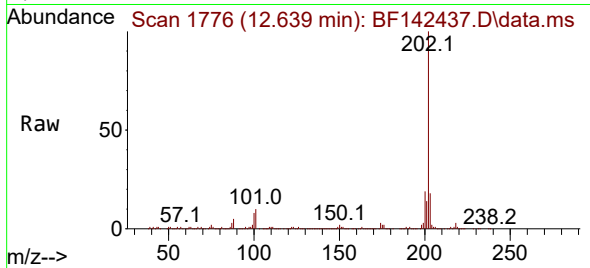




#75
Fluoranthene
Concen: 17.350 ng
RT: 12.639 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF142437.D
Acq: 16 May 2025 20:09

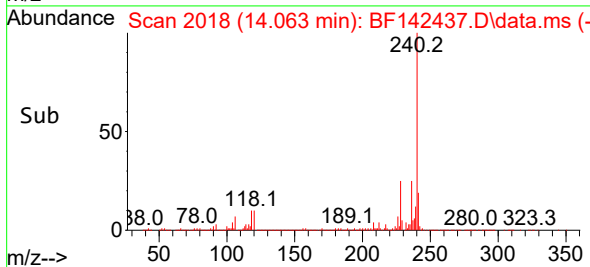
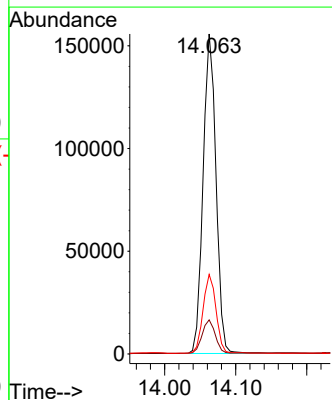
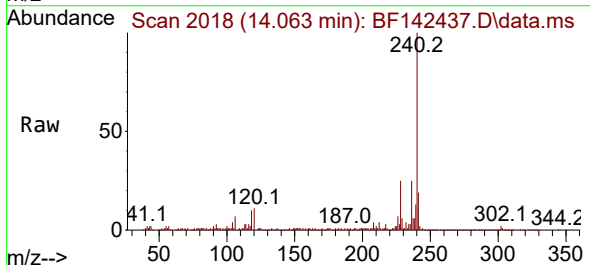
Instrument :
BNA_F
ClientSampleId :
SU-04-051425

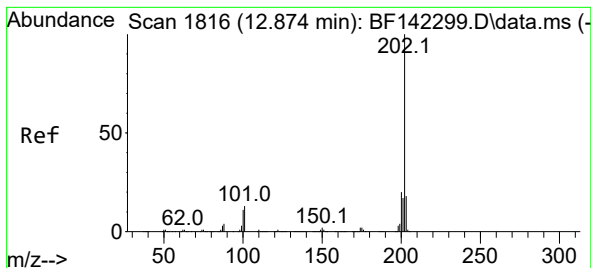
Tgt Ion:202 Resp: 242337
Ion Ratio Lower Upper
202 100
101 10.1 0.0 31.4
203 17.5 0.0 37.9



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.063 min Scan# 2018
Delta R.T. -0.006 min
Lab File: BF142437.D
Acq: 16 May 2025 20:09

Tgt Ion:240 Resp: 197047
Ion Ratio Lower Upper
240 100
120 10.6 9.7 14.5
236 24.9 20.0 30.0





#78

Pyrene

Concen: 15.155 ng

RT: 12.869 min Scan# 1815

Delta R.T. -0.006 min

Lab File: BF142437.D

Acq: 16 May 2025 20:09

Instrument :

BNA_F

ClientSampleId :

SU-04-051425

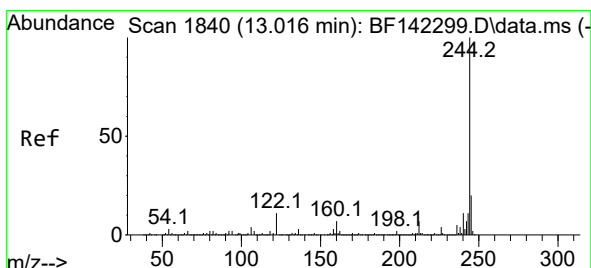
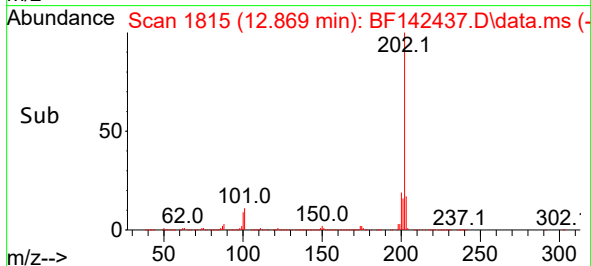
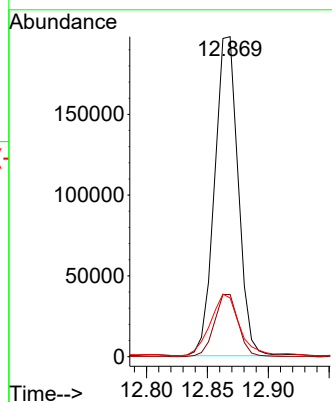
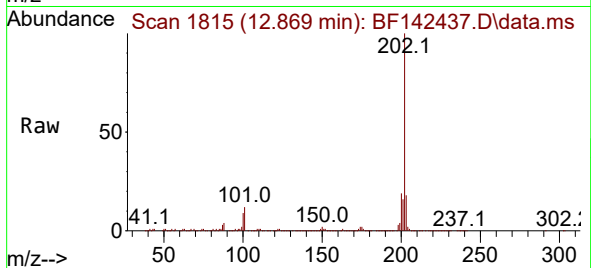
Tgt Ion:202 Resp: 265804

Ion Ratio Lower Upper

202 100

200 19.4 16.2 24.4

203 18.3 14.3 21.5



#79

Terphenyl-d14

Concen: 23.860 ng

RT: 13.010 min Scan# 1839

Delta R.T. -0.006 min

Lab File: BF142437.D

Acq: 16 May 2025 20:09

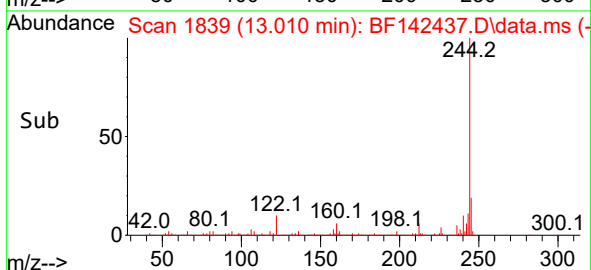
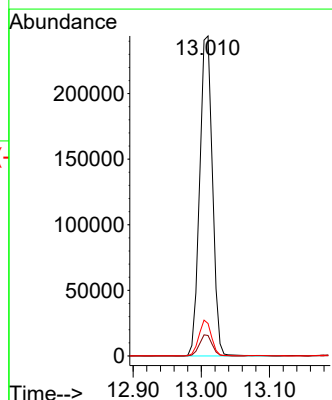
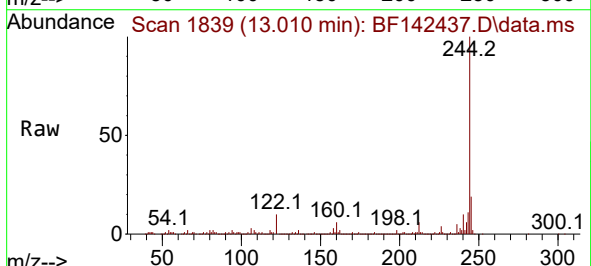
Tgt Ion:244 Resp: 317652

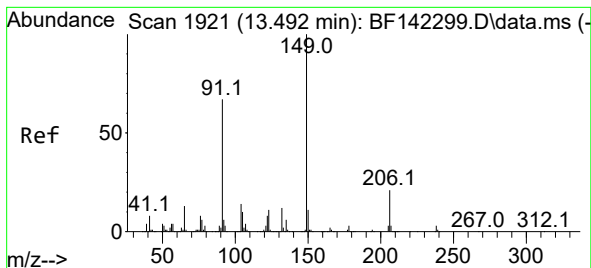
Ion Ratio Lower Upper

244 100

212 6.4 5.4 8.2

122 10.1 9.0 13.4





#80

Butylbenzylphthalate

Concen: 3.705 ng

RT: 13.474 min Scan# 1918

Delta R.T. -0.018 min

Lab File: BF142437.D

Acq: 16 May 2025 20:09

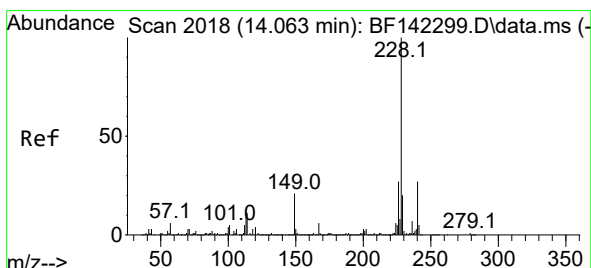
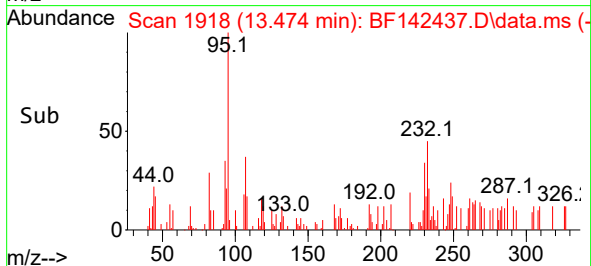
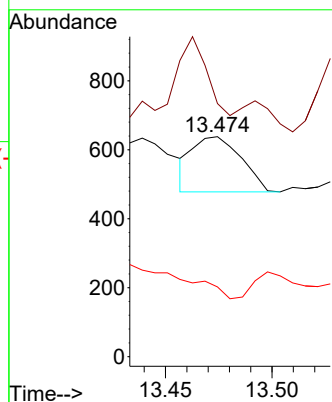
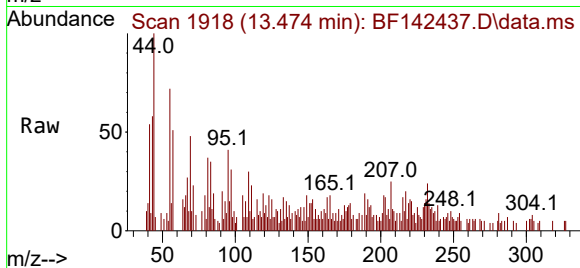
Instrument :

BNA_F

ClientSampleId :

SU-04-051425

Tgt Ion:	149	Resp:	254
Ion Ratio	Lower	Upper	
149	100		
91	115.0	53.8	80.6#
206	31.7	16.6	24.8#



#81

Benzo(a)anthracene

Concen: 7.176 ng

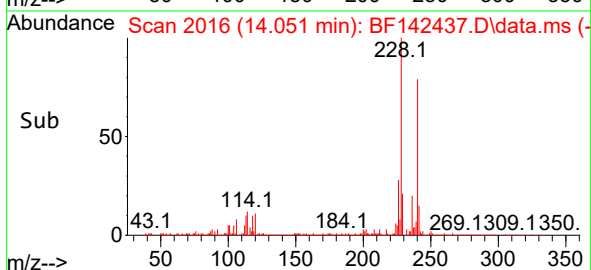
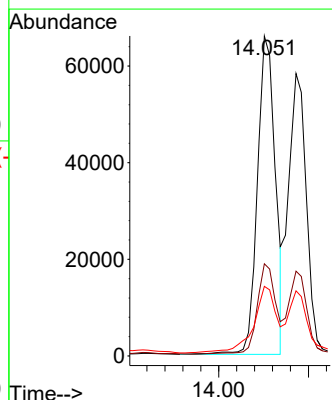
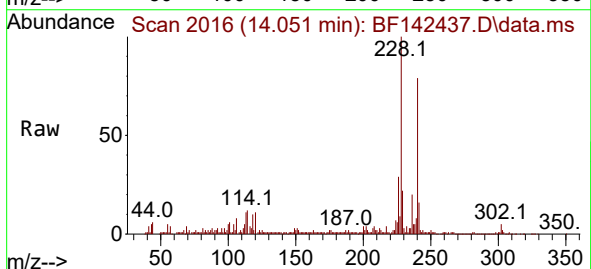
RT: 14.051 min Scan# 2016

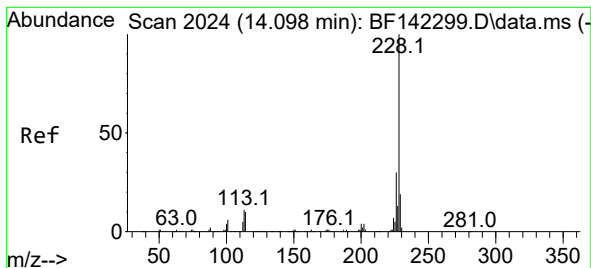
Delta R.T. -0.012 min

Lab File: BF142437.D

Acq: 16 May 2025 20:09

Tgt Ion:	228	Resp:	91577
Ion Ratio	Lower	Upper	
228	100		
226	28.8	21.5	32.3
229	21.8	15.9	23.9





#83

Chrysene

Concen: 6.726 ng

RT: 14.086 min Scan# 20

Delta R.T. -0.012 min

Lab File: BF142437.D

Acq: 16 May 2025 20:09

Instrument :

BNA_F

ClientSampleId :

SU-04-051425

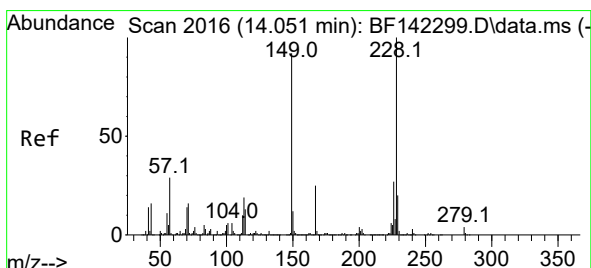
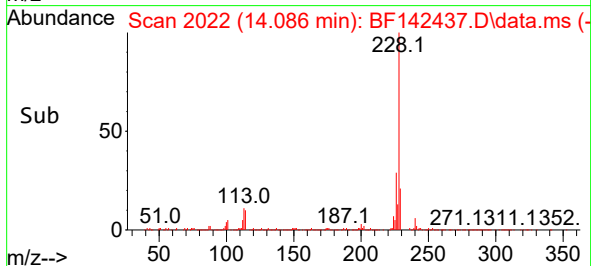
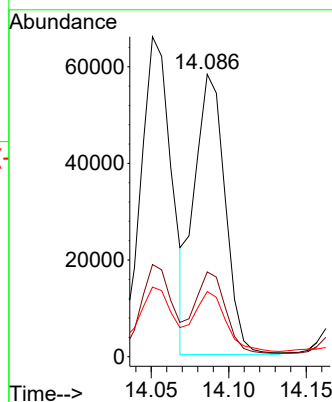
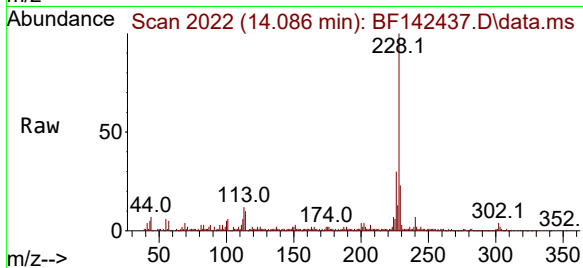
Tgt Ion:228 Resp: 79906

Ion Ratio Lower Upper

228 100

226 30.0 23.9 35.9

229 23.1 15.4 23.2



#84

Bis(2-ethylhexyl)phthalate

Concen: 4.515 ng

RT: 14.045 min Scan# 2015

Delta R.T. -0.006 min

Lab File: BF142437.D

Acq: 16 May 2025 20:09

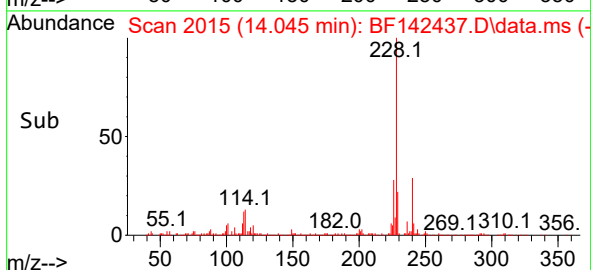
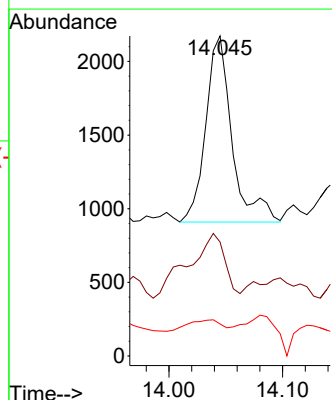
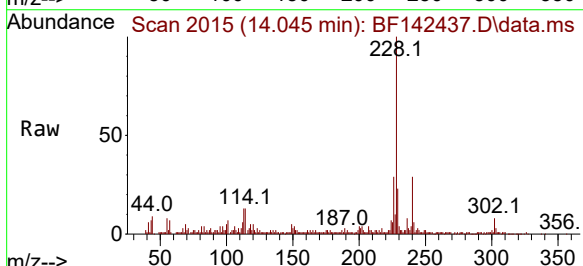
Tgt Ion:149 Resp: 2036

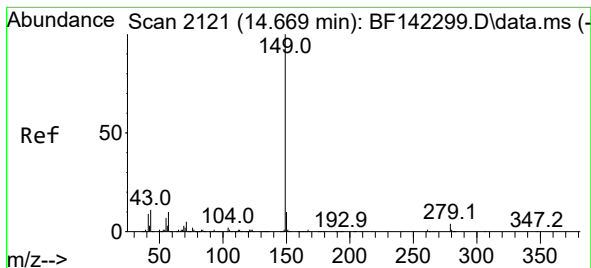
Ion Ratio Lower Upper

149 100

167 35.6 22.0 33.0#

279 10.0 3.0 4.6#





#85

Di-n-octyl phthalate

Concen: 7.871 ng

RT: 14.692 min Scan# 2121

Delta R.T. 0.023 min

Lab File: BF142437.D

Acq: 16 May 2025 20:09

Instrument :

BNA_F

ClientSampleId :

SU-04-051425

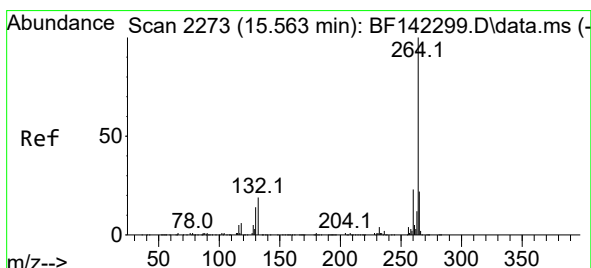
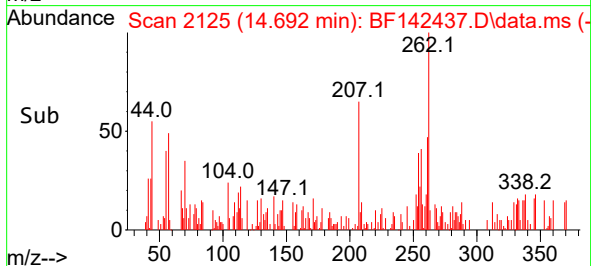
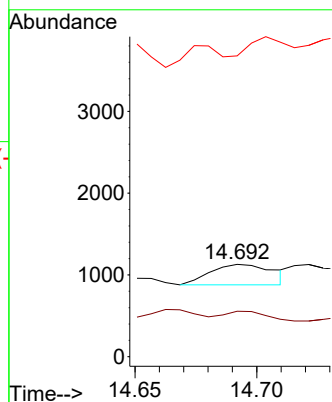
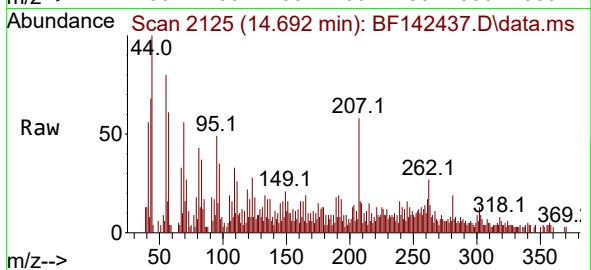
Tgt Ion:149 Resp: 449

Ion Ratio Lower Upper

149 100

167 31.2 1.1 1.7#

43 51.7 9.2 13.8#



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.557 min Scan# 2272

Delta R.T. -0.006 min

Lab File: BF142437.D

Acq: 16 May 2025 20:09

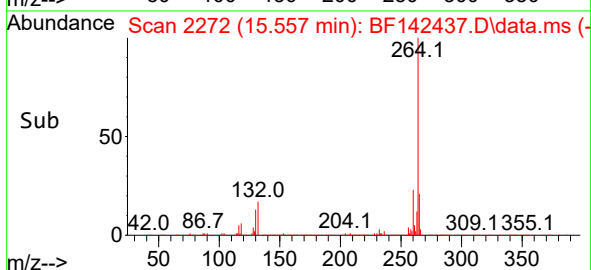
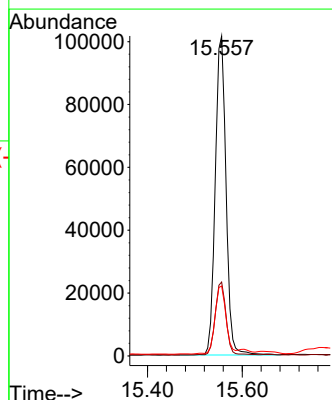
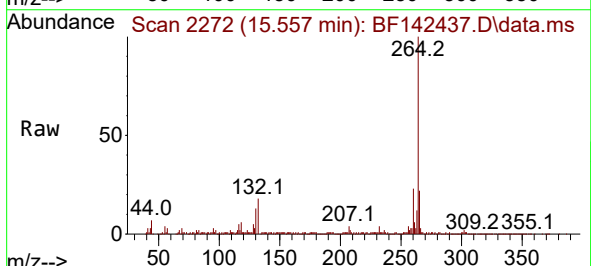
Tgt Ion:264 Resp: 160025

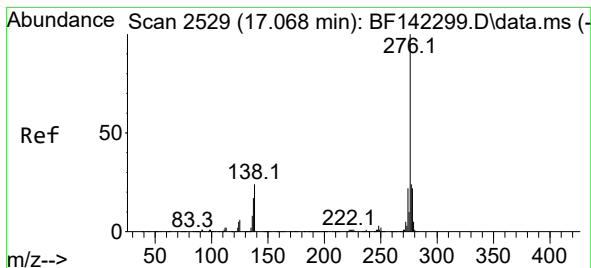
Ion Ratio Lower Upper

264 100

260 23.1 18.6 27.8

265 21.9 17.5 26.3





#87

Indeno(1,2,3-cd)pyrene

Concen: 2.156 ng

RT: 17.051 min Scan# 2197

Delta R.T. -0.018 min

Lab File: BF142437.D

Acq: 16 May 2025 20:09

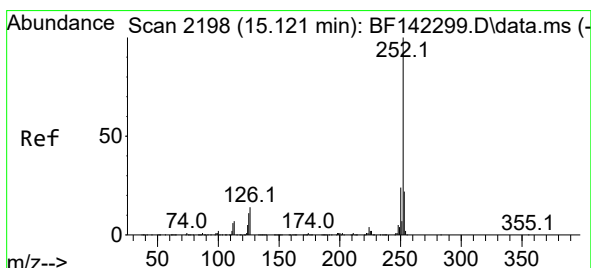
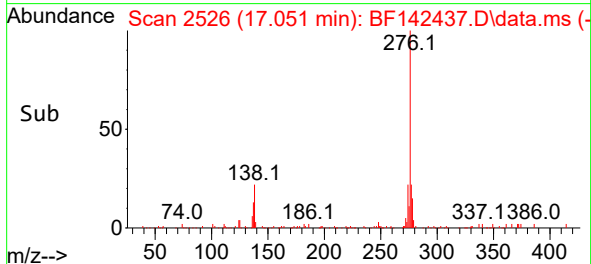
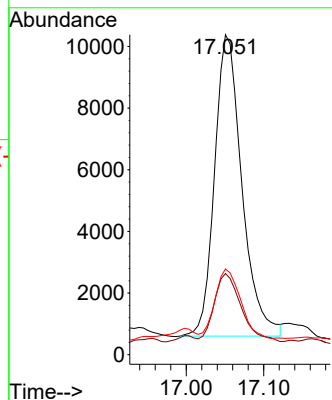
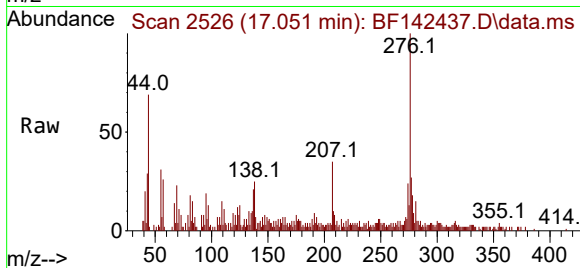
Instrument :

BNA_F

ClientSampleId :

SU-04-051425

Tgt Ion:276	Resp:	23997
Ion Ratio	Lower	Upper
276	100	
138	21.9	22.0 33.0#
277	21.8	20.1 30.1



#88

Benzo(b)fluoranthene

Concen: 9.106 ng

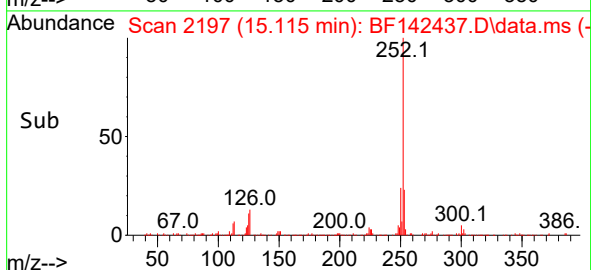
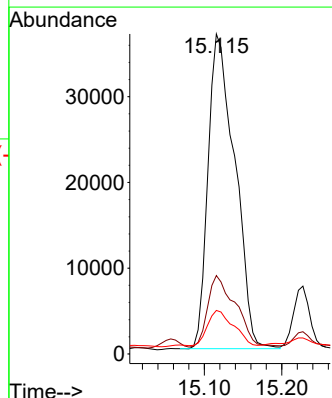
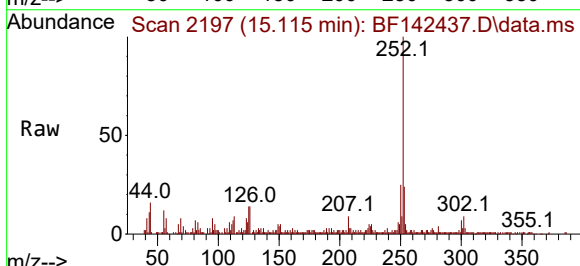
RT: 15.115 min Scan# 2197

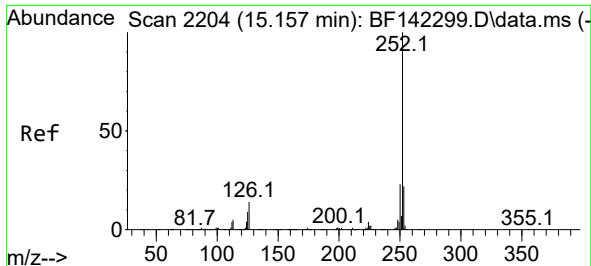
Delta R.T. -0.006 min

Lab File: BF142437.D

Acq: 16 May 2025 20:09

Tgt Ion:252	Resp:	88251
Ion Ratio	Lower	Upper
252	100	
253	24.5	17.7 26.5
125	13.6	8.7 13.1#

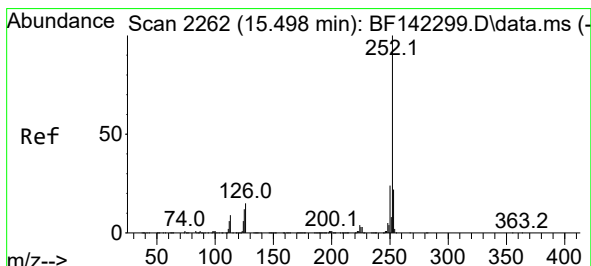
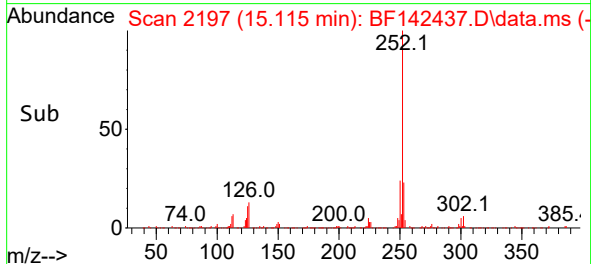
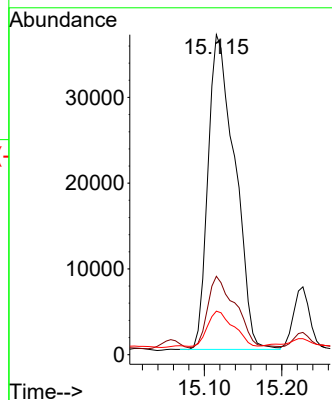
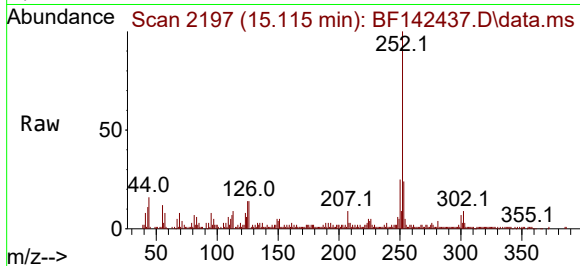




#89
Benzo(k)fluoranthene
Concen: 9.950 ng
RT: 15.115 min Scan# 21
Delta R.T. -0.041 min
Lab File: BF142437.D
Acq: 16 May 2025 20:09

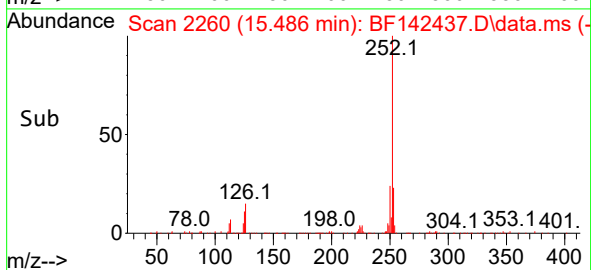
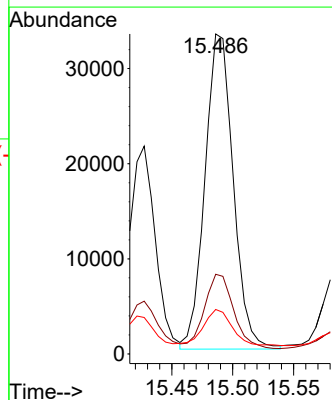
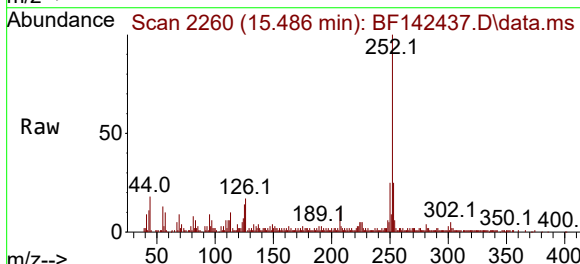
Instrument :
BNA_F
ClientSampleId :
SU-04-051425

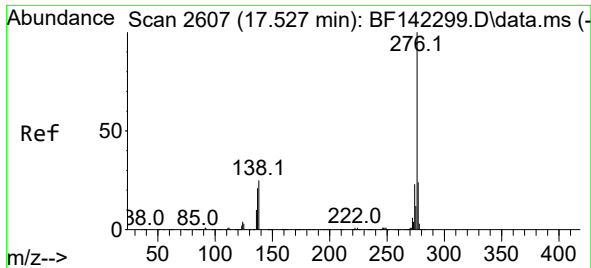
Tgt Ion:252 Resp: 88251
Ion Ratio Lower Upper
252 100
253 24.5 17.6 26.4
125 13.6 8.1 12.1#



#90
Benzo(a)pyrene
Concen: 6.173 ng
RT: 15.486 min Scan# 2260
Delta R.T. -0.012 min
Lab File: BF142437.D
Acq: 16 May 2025 20:09

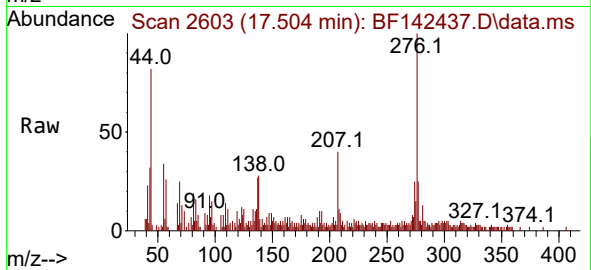
Tgt Ion:252 Resp: 53612
Ion Ratio Lower Upper
252 100
253 24.9 17.8 26.6
125 13.9 9.4 14.0





#92
 Benzo(g,h,i)perylene
 Concen: 2.665 ng
 RT: 17.504 min Scan# 20
 Delta R.T. -0.024 min
 Lab File: BF142437.D
 Acq: 16 May 2025 20:09

Instrument :
 BNA_F
 ClientSampleId :
 SU-04-051425



Tgt Ion:	276	Resp:	24323
Ion Ratio	Lower	Upper	
276	100		
277	25.1	19.0	28.6
138	27.5	19.8	29.6

