

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF030425\
 Data File : BF141832.D
 Acq On : 04 Mar 2025 17:46
 Operator : RC/JU
 Sample : Q1475-01DL 5X
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TR-04-02282025DL

Quant Time: Mar 05 00:18:09 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF022725.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Feb 28 01:48:16 2025
 Response via : Initial Calibration

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

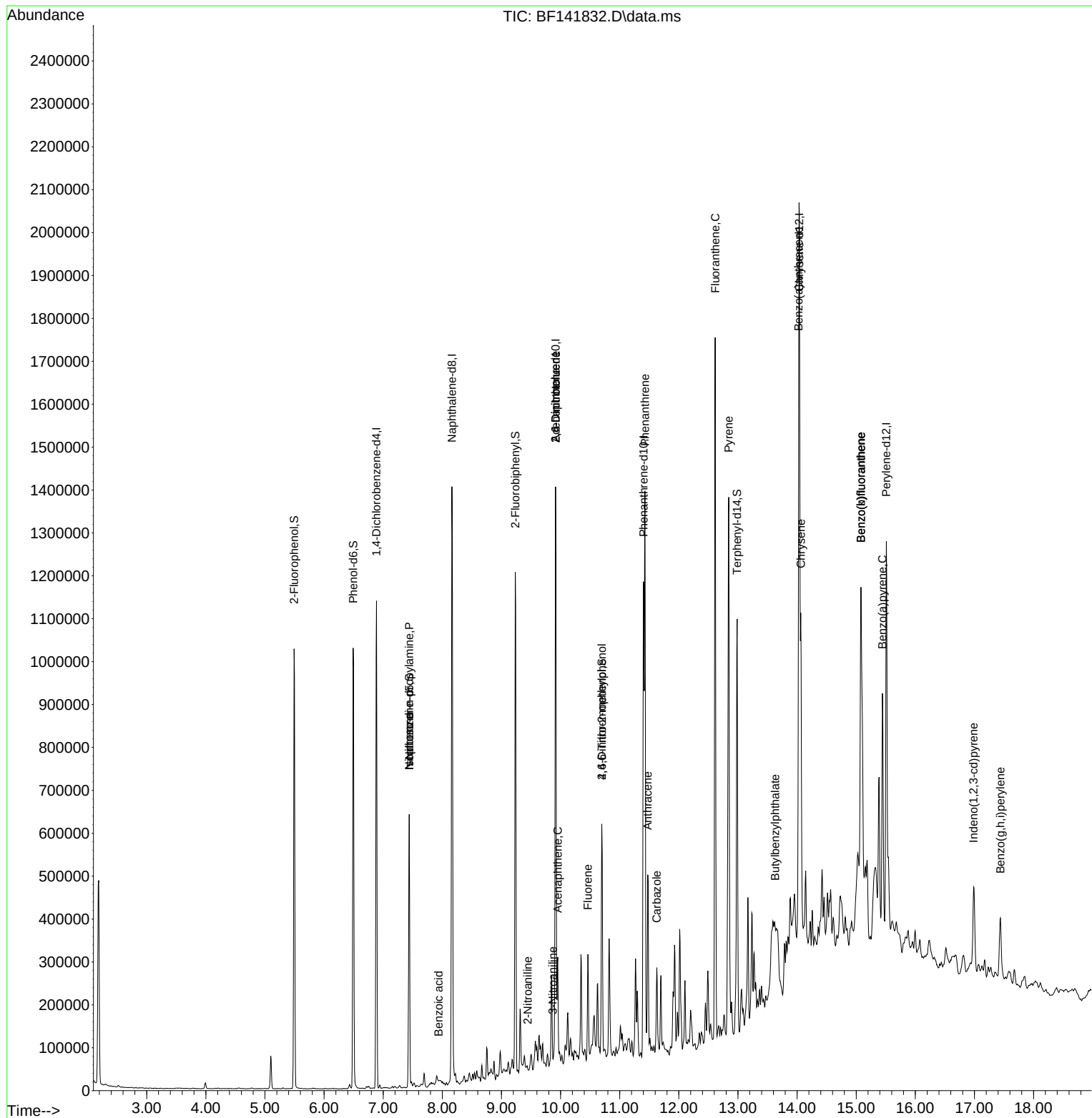
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.887	152	234857	20.000	ng	0.00
21) Naphthalene-d8	8.163	136	859732	20.000	ng	-0.01
39) Acenaphthene-d10	9.916	164	379383	20.000	ng	-0.01
64) Phenanthrene-d10	11.404	188	545958	20.000	ng	0.00
76) Chrysene-d12	14.039	240	516330	20.000	ng	-0.01
86) Perylene-d12	15.510	264	517053	20.000	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.493	112	379193	25.784	ng	0.00
7) Phenol-d6	6.492	99	465410	24.314	ng	-0.02
23) Nitrobenzene-d5	7.439	82	266059	19.781	ng	-0.01
42) 2,4,6-Tribromophenol	10.698	330	71887	20.183	ng	-0.02
45) 2-Fluorobiphenyl	9.233	172	507202	21.437	ng	-0.01
79) Terphenyl-d14	12.986	244	443804	13.907	ng	-0.01
Target Compounds						Qvalue
19) n-Nitroso-di-n-propyla...	7.439	70	36191	2.876	ng	# 84
25) Isophorone	7.439	82	264087	9.139	ng	# 66
32) Benzoic acid	7.939	122	281	7.717	ng	# 1
48) 2-Nitroaniline	9.445	65	186	4.368	ng	# 54
51) 2,6-Dinitrotoluene	9.916	165	53486	13.185	ng	# 22
52) Acenaphthene	9.951	154	73853	3.425	ng	100
53) 3-Nitroaniline	9.869	138	606	3.077	ng	# 74
57) 2,4-Dinitrotoluene	9.916	165	54009	11.955	ng	# 21
58) Fluorene	10.463	166	85876	3.653	ng	98
65) 4,6-Dinitro-2-methylph...	10.698	198	54	8.143	ng	# 1
71) Phenanthrene	11.427	178	669360	22.921	ng	99
72) Anthracene	11.475	178	232295	7.937	ng	98
73) Carbazole	11.627	167	106315	4.113	ng	97
75) Fluoranthene	12.616	202	902586	30.163	ng	98
78) Pyrene	12.845	202	728742	16.299	ng	98
80) Butylbenzylphthalate	13.627	149	48974	3.015	ng	# 42
81) Benzo(a)anthracene	14.027	228	467294	13.702	ng	99
83) Chrysene	14.063	228	374833	11.923	ng	96
87) Indeno(1,2,3-cd)pyrene	16.986	276	147649	4.484	ng	96
88) Benzo(b)fluoranthene	15.080	252	615276	17.469	ng	98
89) Benzo(k)fluoranthene	15.080	252	615276	20.553	ng	98
90) Benzo(a)pyrene	15.445	252	316867	11.218	ng	96
92) Benzo(g,h,i)perylene	17.439	276	122439	4.447	ng	99

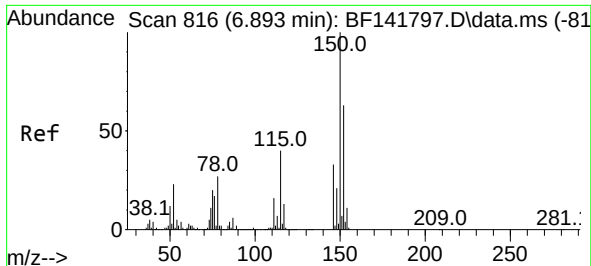
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF030425\
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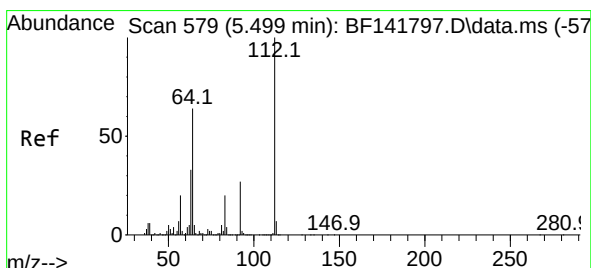
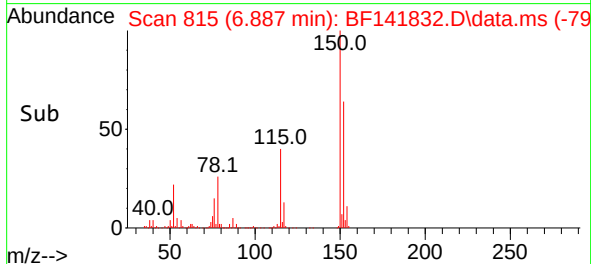
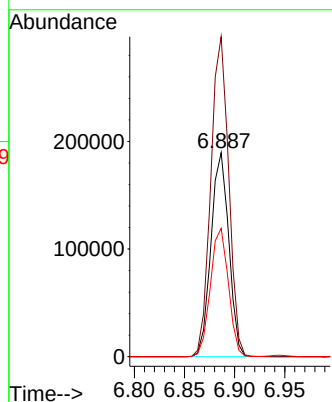
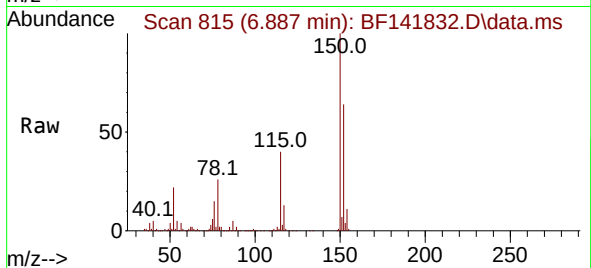




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.887 min Scan# 816
 Delta R.T. -0.006 min
 Lab File: BF141832.D
 Acq: 04 Mar 2025 17:46

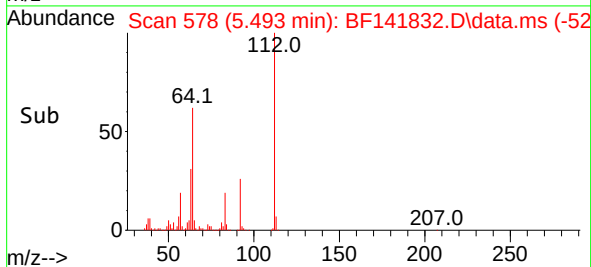
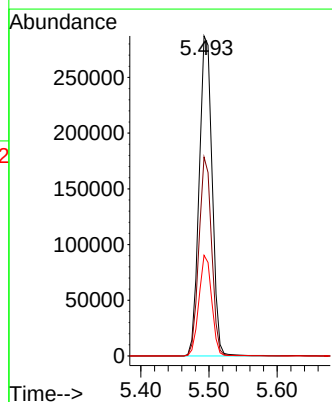
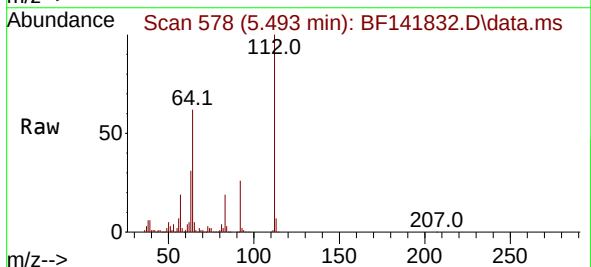
Instrument :
 BNA_F
 ClientSampleId :
 TR-04-02282025DL

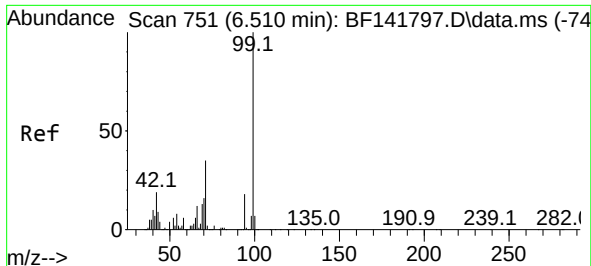
Tgt Ion:152 Resp: 234857
 Ion Ratio Lower Upper
 152 100
 150 156.9 127.5 191.3
 115 63.0 51.4 77.2



#5
 2-Fluorophenol
 Concen: 25.784 ng
 RT: 5.493 min Scan# 578
 Delta R.T. -0.006 min
 Lab File: BF141832.D
 Acq: 04 Mar 2025 17:46

Tgt Ion:112 Resp: 379193
 Ion Ratio Lower Upper
 112 100
 64 62.1 51.3 76.9
 63 31.5 26.2 39.4

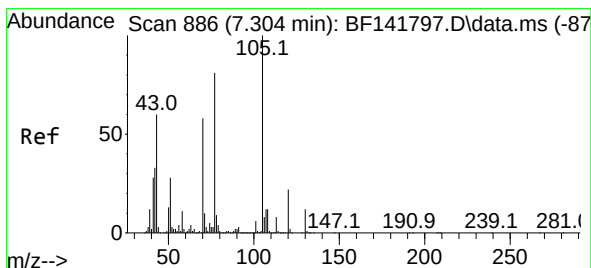
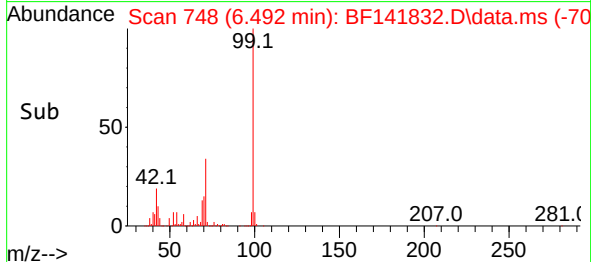
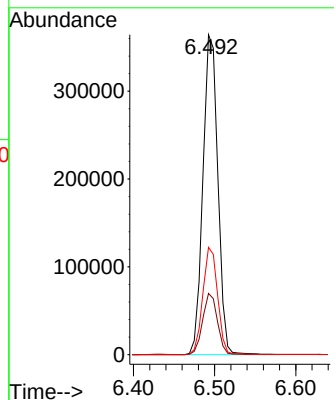
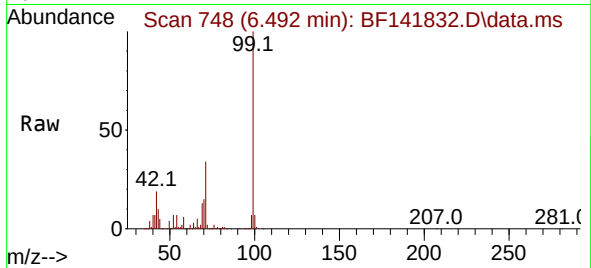




#7
Phenol-d6
Concen: 24.314 ng
RT: 6.492 min Scan# 74
Delta R.T. -0.018 min
Lab File: BF141832.D
Acq: 04 Mar 2025 17:46

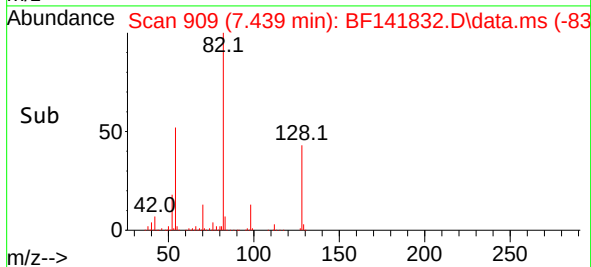
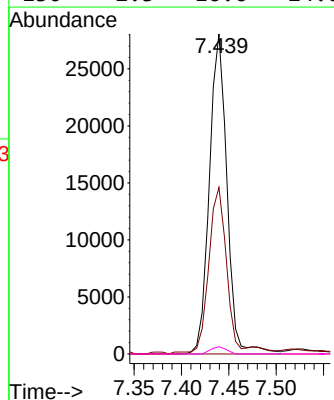
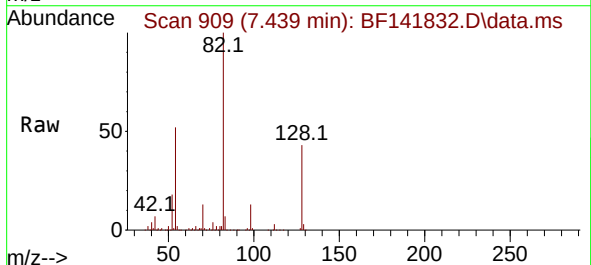
Instrument :
BNA_F
ClientSampleId :
TR-04-02282025DL

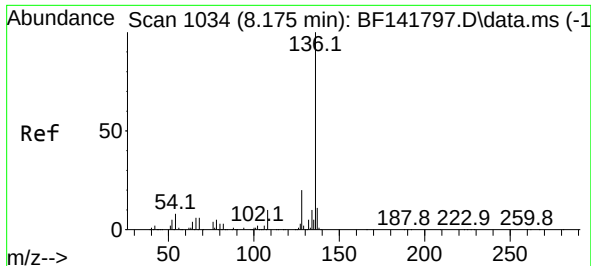
Tgt Ion: 99 Resp: 465410
Ion Ratio Lower Upper
99 100
42 19.1 15.2 22.8
71 33.5 28.2 42.2



#19
n-Nitroso-di-n-propylamine
Concen: 2.876 ng
RT: 7.439 min Scan# 909
Delta R.T. 0.135 min
Lab File: BF141832.D
Acq: 04 Mar 2025 17:46

Tgt Ion: 70 Resp: 36191
Ion Ratio Lower Upper
70 100
42 52.1 45.4 68.0
101 0.0 7.8 11.8#
130 2.3 16.6 24.8#

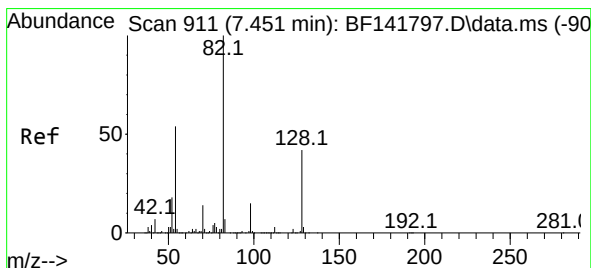
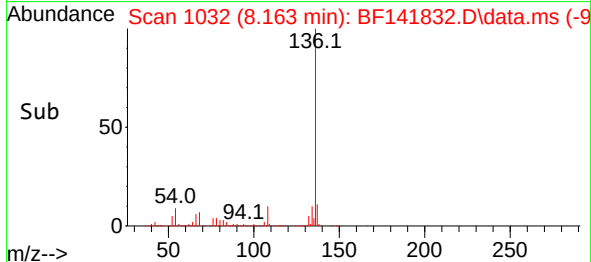
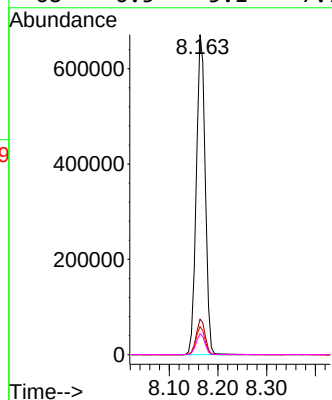
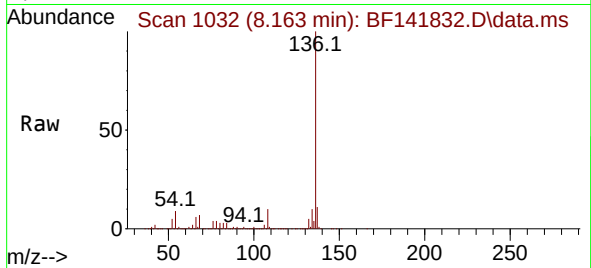




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.163 min Scan# 1034
Delta R.T. -0.012 min
Lab File: BF141832.D
Acq: 04 Mar 2025 17:46

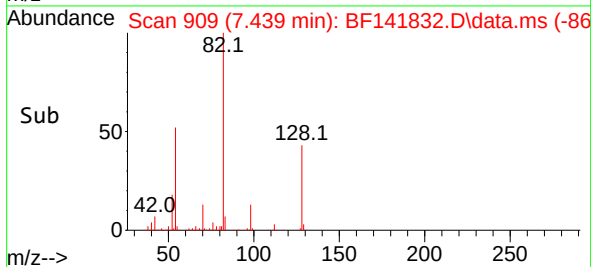
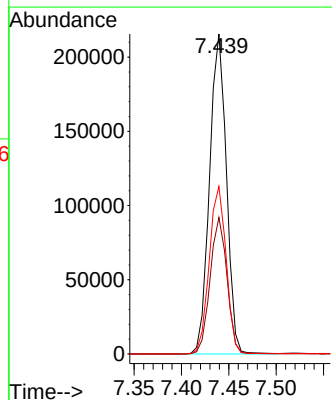
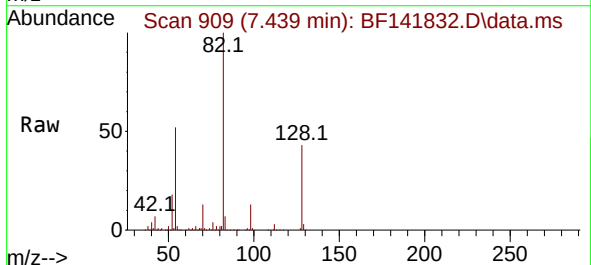
Instrument :
BNA_F
ClientSampleId :
TR-04-02282025DL

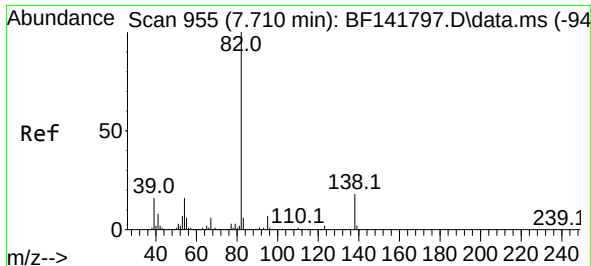
Tgt Ion:136 Resp: 859732
Ion Ratio Lower Upper
136 100
137 11.1 8.9 13.3
54 8.8 6.9 10.3
68 6.5 5.1 7.7



#23
Nitrobenzene-d5
Concen: 19.781 ng
RT: 7.439 min Scan# 909
Delta R.T. -0.012 min
Lab File: BF141832.D
Acq: 04 Mar 2025 17:46

Tgt Ion: 82 Resp: 266059
Ion Ratio Lower Upper
82 100
128 42.7 33.5 50.3
54 52.4 42.7 64.1

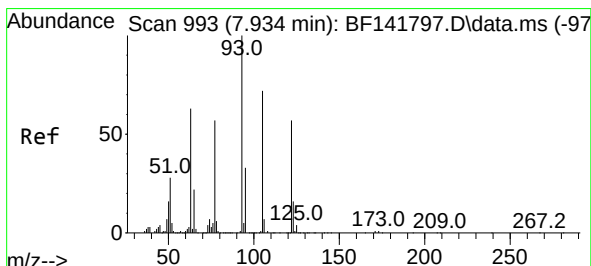
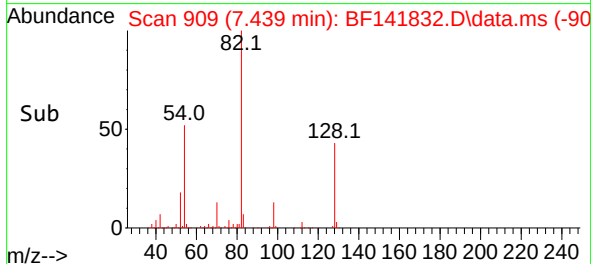
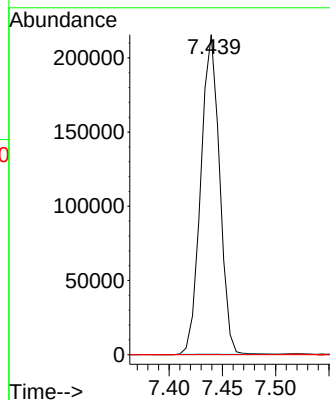
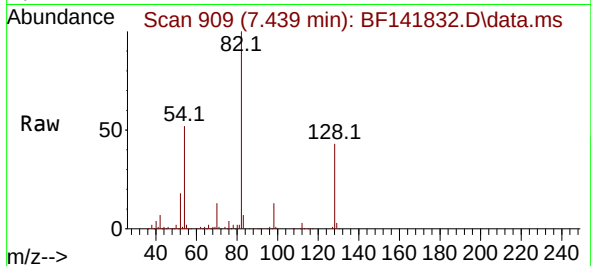




#25
Isophorone
Concen: 9.139 ng
RT: 7.439 min Scan# 909
Delta R.T. -0.271 min
Lab File: BF141832.D
Acq: 04 Mar 2025 17:46

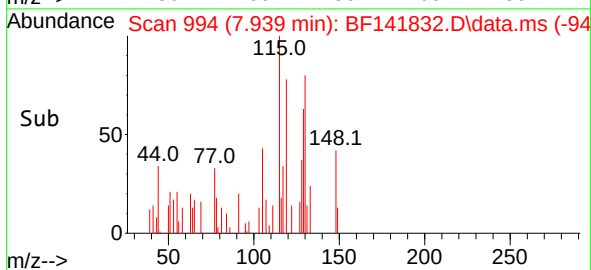
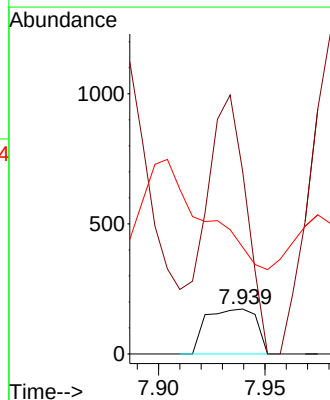
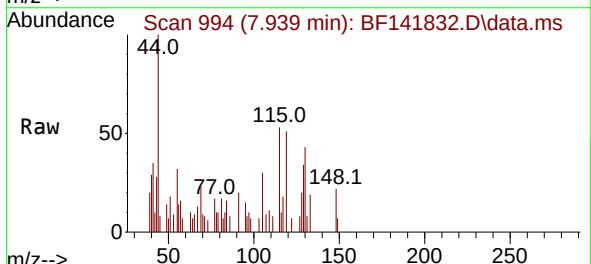
Instrument :
BNA_F
ClientSampleId :
TR-04-02282025DL

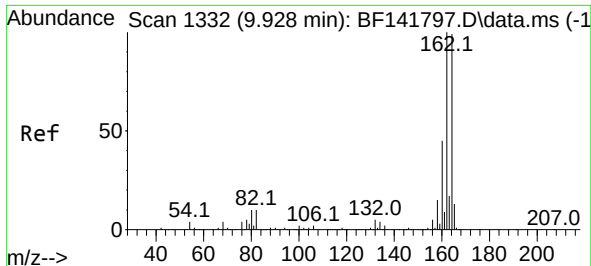
Tgt Ion: 82 Resp: 264087
Ion Ratio Lower Upper
82 100
95 0.1 5.8 8.8#
138 0.0 14.0 21.0#



#32
Benzoic acid
Concen: 7.717 ng
RT: 7.939 min Scan# 994
Delta R.T. 0.005 min
Lab File: BF141832.D
Acq: 04 Mar 2025 17:46

Tgt Ion:122 Resp: 281
Ion Ratio Lower Upper
122 100
105 406.9 105.8 145.8#
77 237.6 79.9 119.9#





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.916 min Scan# 11

Delta R.T. -0.012 min

Lab File: BF141832.D

Acq: 04 Mar 2025 17:46

Instrument :

BNA_F

ClientSampleId :

TR-04-02282025DL

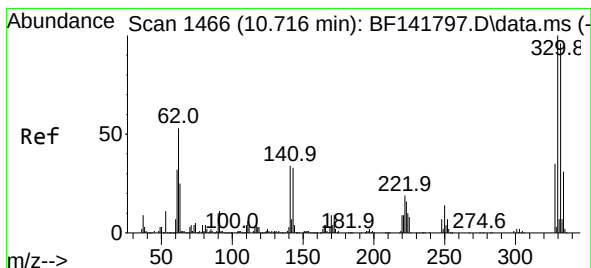
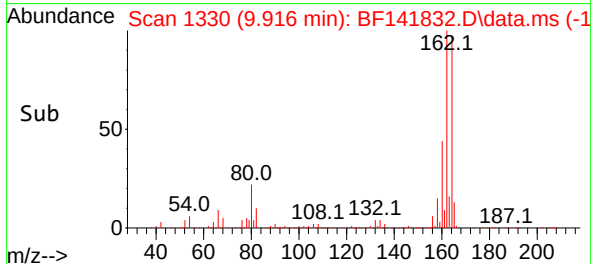
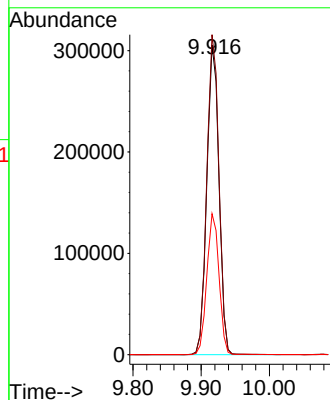
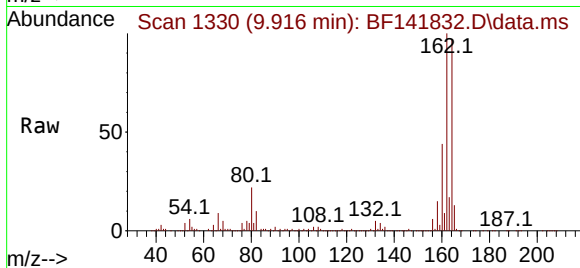
Tgt Ion:164 Resp: 379383

Ion Ratio Lower Upper

164 100

162 103.3 80.6 120.8

160 45.5 36.3 54.5



#42

2,4,6-Tribromophenol

Concen: 20.183 ng

RT: 10.698 min Scan# 1463

Delta R.T. -0.018 min

Lab File: BF141832.D

Acq: 04 Mar 2025 17:46

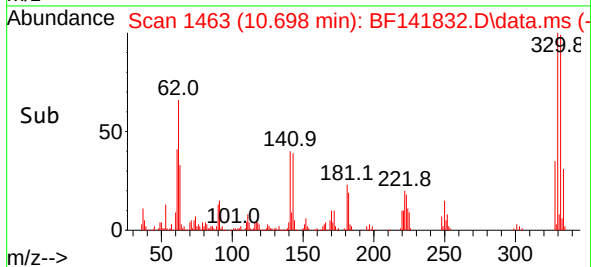
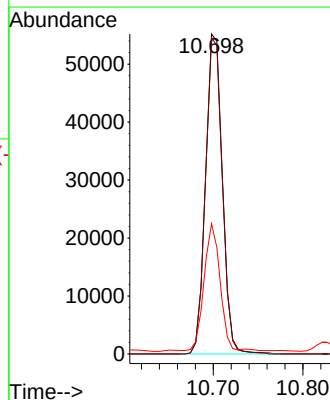
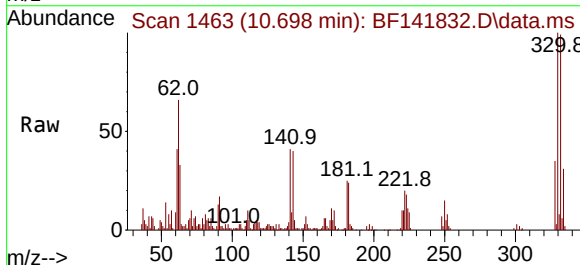
Tgt Ion:330 Resp: 71887

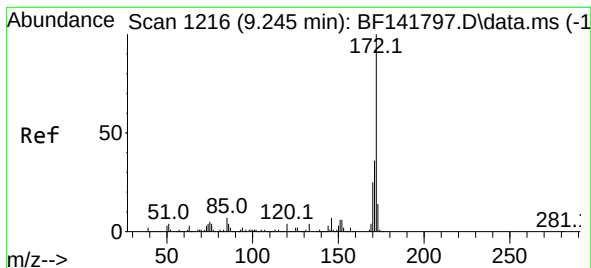
Ion Ratio Lower Upper

330 100

332 98.6 76.6 115.0

141 37.6 29.0 43.4





#45

2-Fluorobiphenyl

Concen: 21.437 ng

RT: 9.233 min Scan# 11

Delta R.T. -0.012 min

Lab File: BF141832.D

Acq: 04 Mar 2025 17:46

Instrument :

BNA_F

ClientSampleId :

TR-04-02282025DL

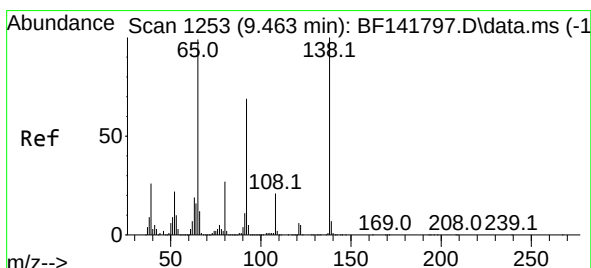
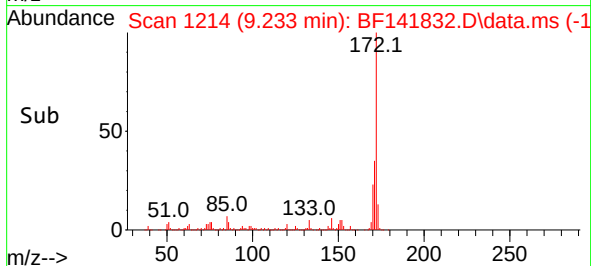
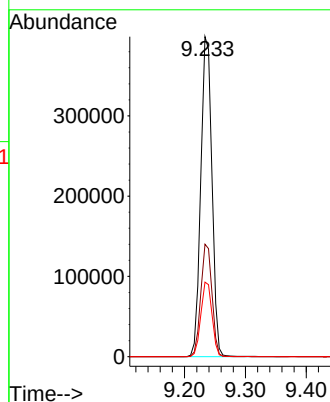
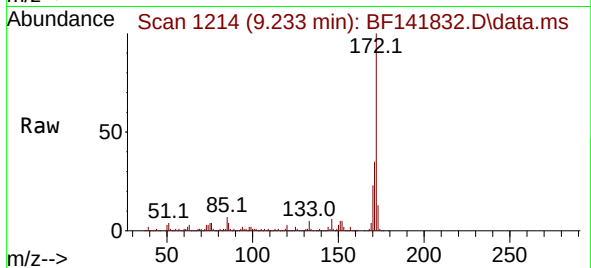
Tgt Ion:172 Resp: 507202

Ion Ratio Lower Upper

172 100

171 35.2 29.2 43.8

170 23.3 19.7 29.5



#48

2-Nitroaniline

Concen: 4.368 ng

RT: 9.445 min Scan# 1250

Delta R.T. -0.018 min

Lab File: BF141832.D

Acq: 04 Mar 2025 17:46

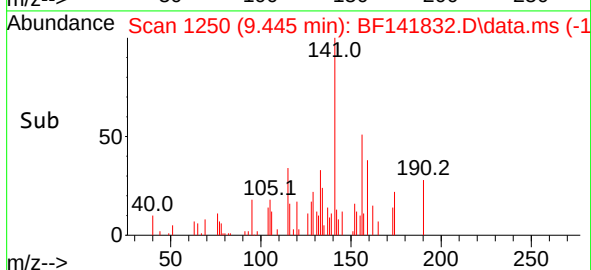
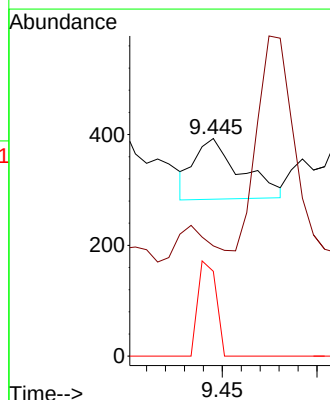
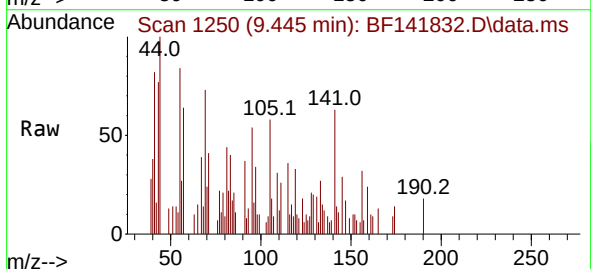
Tgt Ion: 65 Resp: 186

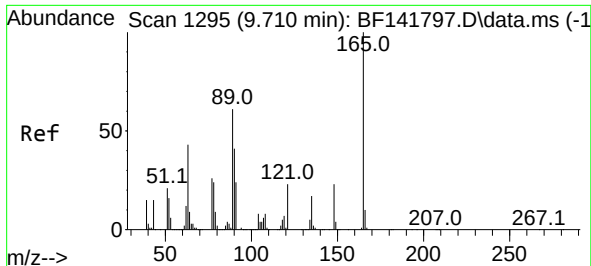
Ion Ratio Lower Upper

65 100

92 50.6 55.7 83.5#

138 38.9 80.6 121.0#

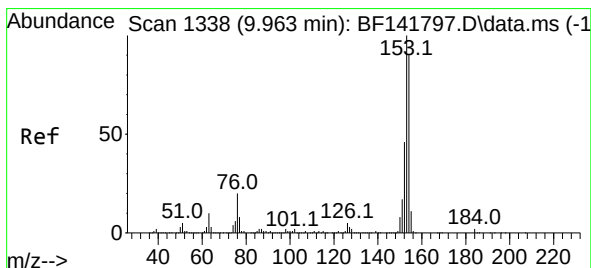
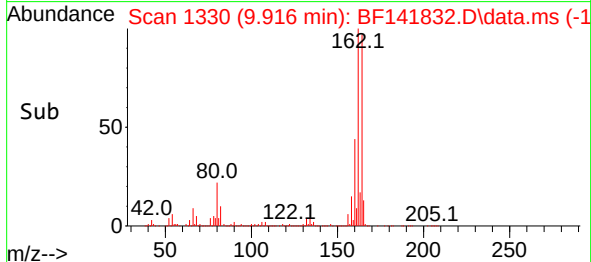
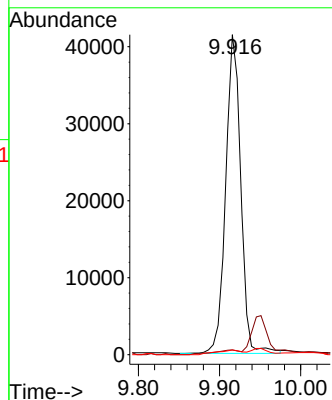
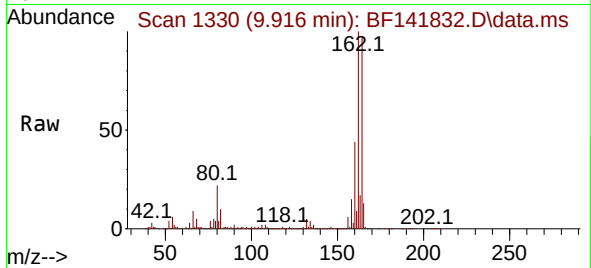




#51
2,6-Dinitrotoluene
Concen: 13.185 ng
RT: 9.916 min Scan# 11
Delta R.T. 0.206 min
Lab File: BF141832.D
Acq: 04 Mar 2025 17:46

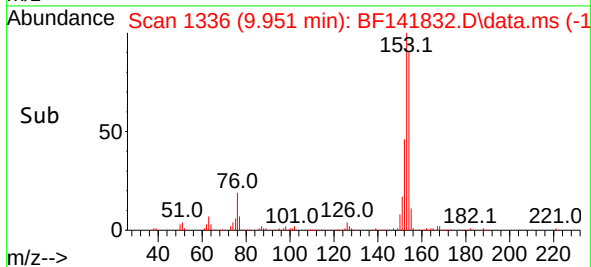
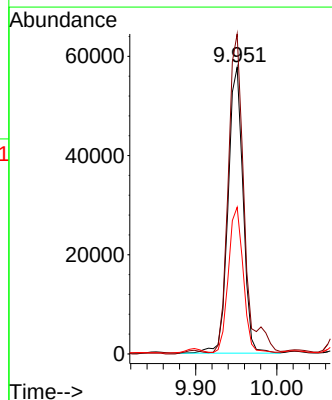
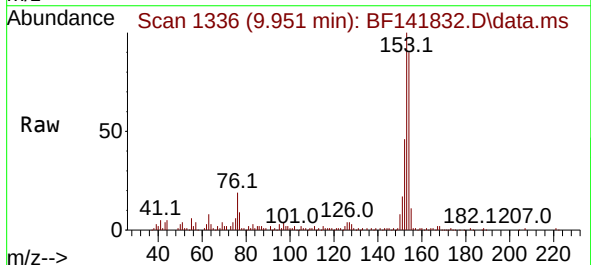
Instrument :
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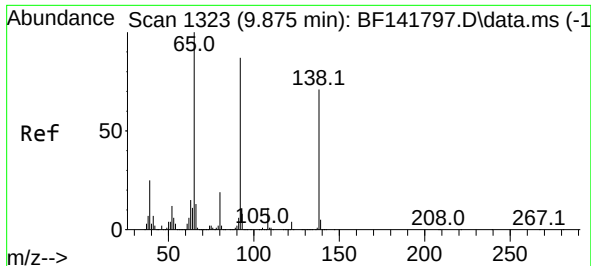
Tgt Ion:165 Resp: 53486
Ion Ratio Lower Upper
165 100
63 1.5 49.5 74.3#
89 1.4 49.0 73.4#



#52
Acenaphthene
Concen: 3.425 ng
RT: 9.951 min Scan# 1336
Delta R.T. -0.012 min
Lab File: BF141832.D
Acq: 04 Mar 2025 17:46

Tgt Ion:154 Resp: 73853
Ion Ratio Lower Upper
154 100
153 111.6 88.7 133.1
152 51.2 40.9 61.3

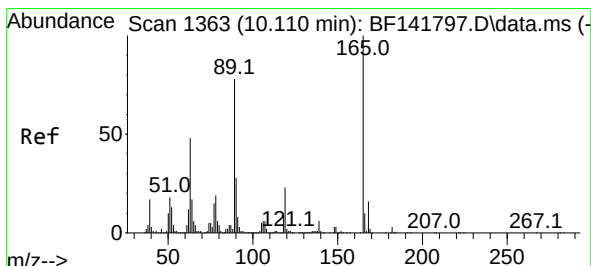
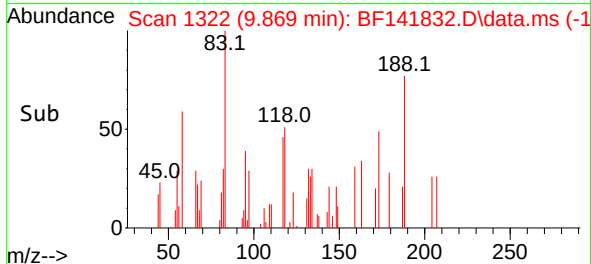
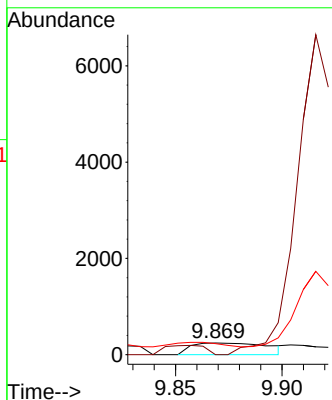
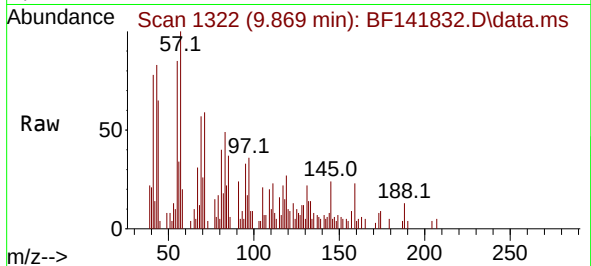




#53
3-Nitroaniline
Concen: 3.077 ng
RT: 9.869 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF141832.D
Acq: 04 Mar 2025 17:46

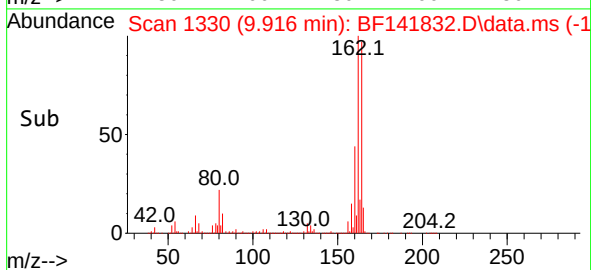
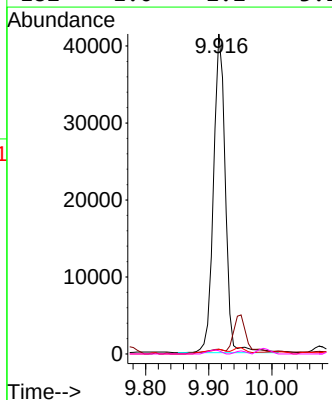
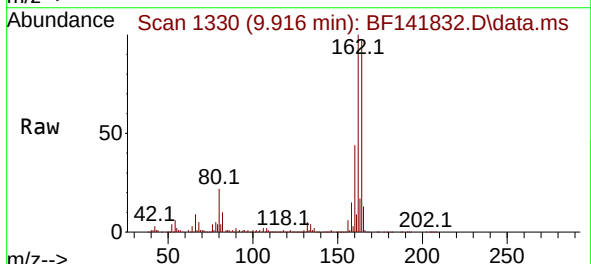
Instrument :
BNA_F
ClientSampleId :
TR-04-02282025DL

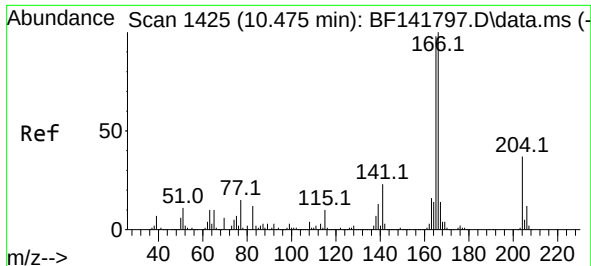
Tgt Ion:138 Resp: 606
Ion Ratio Lower Upper
138 100
108 0.0 12.7 19.1#
92 95.1 97.9 146.9#



#57
2,4-Dinitrotoluene
Concen: 11.955 ng
RT: 9.916 min Scan# 1330
Delta R.T. -0.194 min
Lab File: BF141832.D
Acq: 04 Mar 2025 17:46

Tgt Ion:165 Resp: 54009
Ion Ratio Lower Upper
165 100
63 1.5 38.8 58.2#
89 1.4 62.6 94.0#
182 1.0 2.2 3.2#

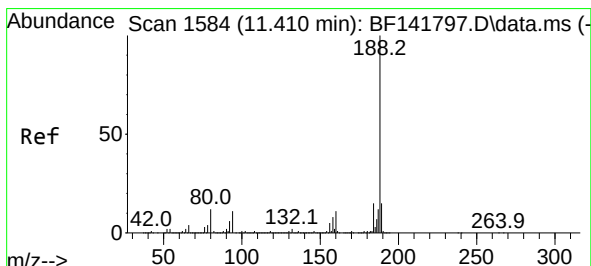
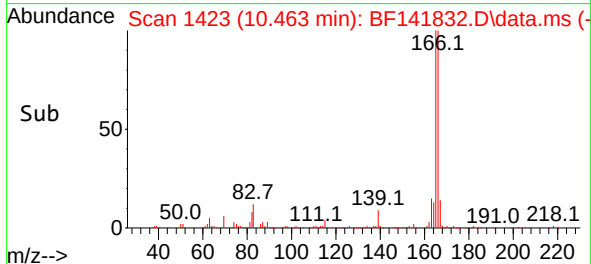
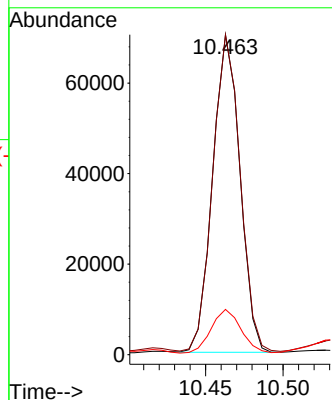
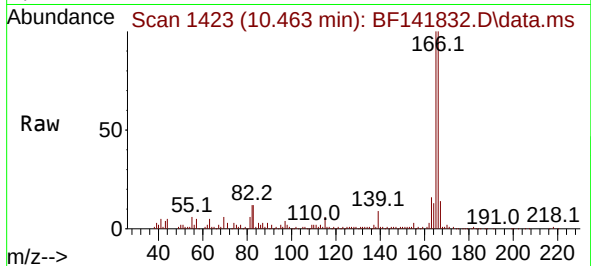




#58
Fluorene
Concen: 3.653 ng
RT: 10.463 min Scan# 1423
Delta R.T. -0.012 min
Lab File: BF141832.D
Acq: 04 Mar 2025 17:46

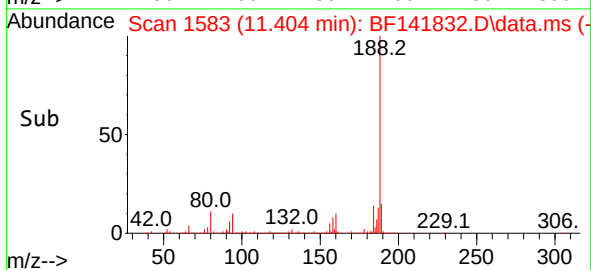
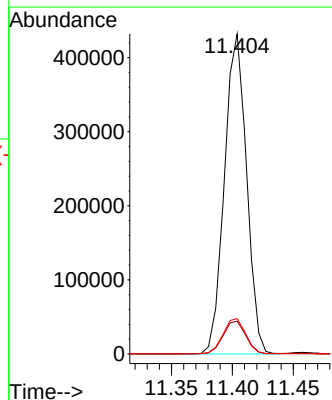
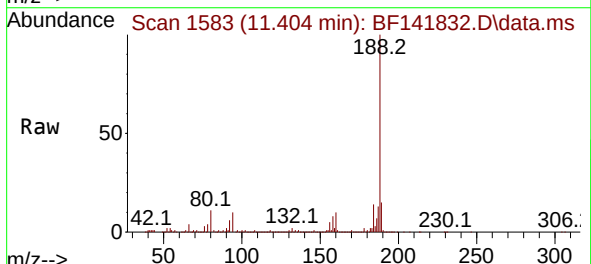
Instrument :
BNA_F
ClientSampleId :
TR-04-02282025DL

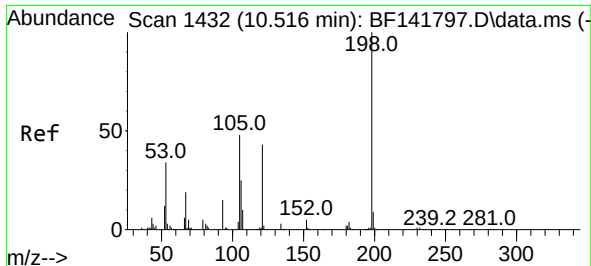
Tgt Ion:166 Resp: 85876
Ion Ratio Lower Upper
166 100
165 100.1 78.6 117.8
167 14.2 11.0 16.4



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.404 min Scan# 1583
Delta R.T. -0.006 min
Lab File: BF141832.D
Acq: 04 Mar 2025 17:46

Tgt Ion:188 Resp: 545958
Ion Ratio Lower Upper
188 100
94 10.2 8.9 13.3
80 11.1 9.7 14.5

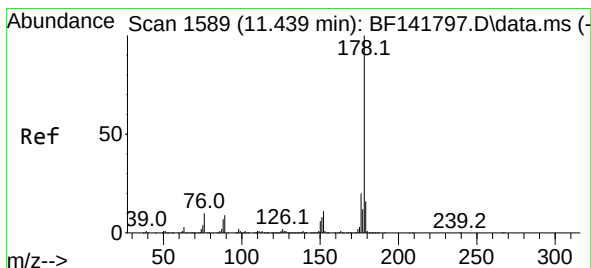
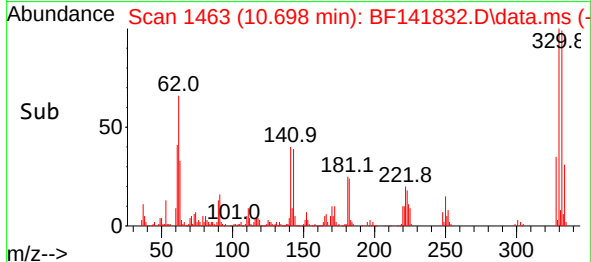
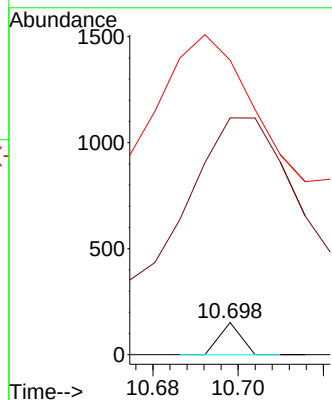
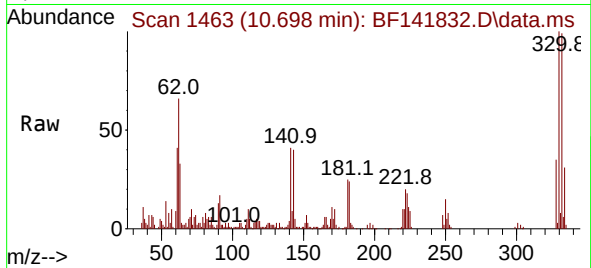




#65
4,6-Dinitro-2-methylphenol
Concen: 8.143 ng
RT: 10.698 min Scan# 1432
Delta R.T. 0.182 min
Lab File: BF141832.D
Acq: 04 Mar 2025 17:46

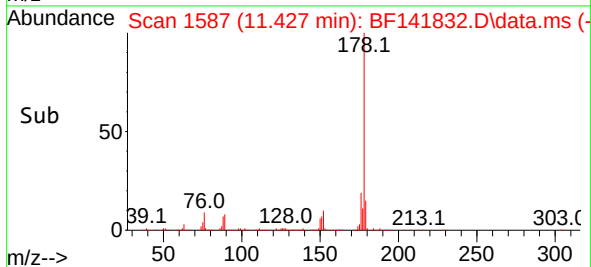
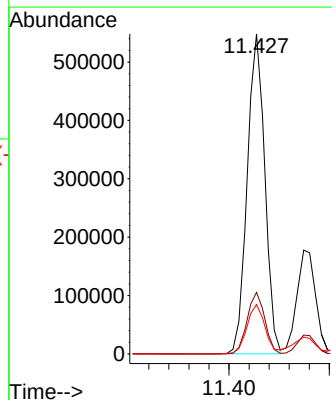
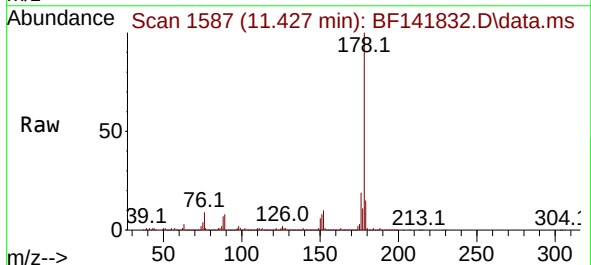
Instrument :
BNA_F
ClientSampleId :
TR-04-02282025DL

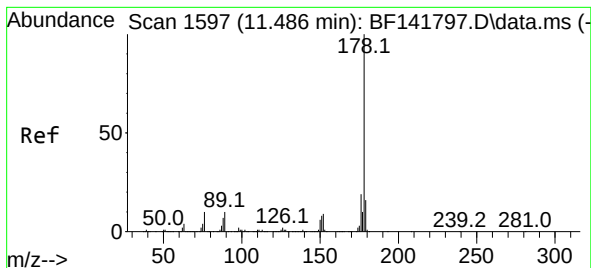
Tgt Ion:198 Resp: 54
Ion Ratio Lower Upper
198 100
51 734.9 32.1 72.1#
105 913.8 28.5 68.5#



#71
Phenanthrene
Concen: 22.921 ng
RT: 11.427 min Scan# 1587
Delta R.T. -0.012 min
Lab File: BF141832.D
Acq: 04 Mar 2025 17:46

Tgt Ion:178 Resp: 669360
Ion Ratio Lower Upper
178 100
176 19.2 16.0 24.0
179 15.4 12.6 19.0





#72

Anthracene

Concen: 7.937 ng

RT: 11.475 min Scan# 1

Delta R.T. -0.012 min

Lab File: BF141832.D

Acq: 04 Mar 2025 17:46

Instrument :

BNA_F

ClientSampleId :

TR-04-02282025DL

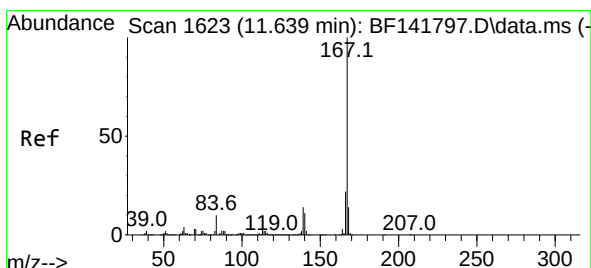
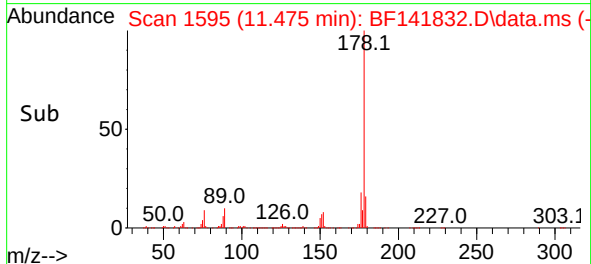
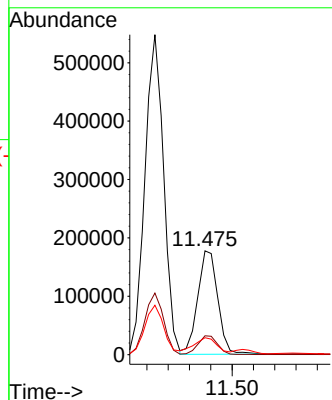
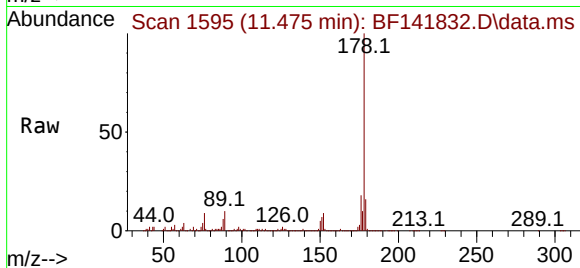
Tgt Ion:178 Resp: 232295

Ion Ratio Lower Upper

178 100

176 18.2 15.4 23.0

179 16.3 12.8 19.2



#73

Carbazole

Concen: 4.113 ng

RT: 11.627 min Scan# 1621

Delta R.T. -0.012 min

Lab File: BF141832.D

Acq: 04 Mar 2025 17:46

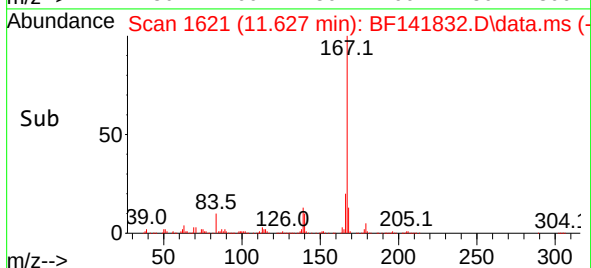
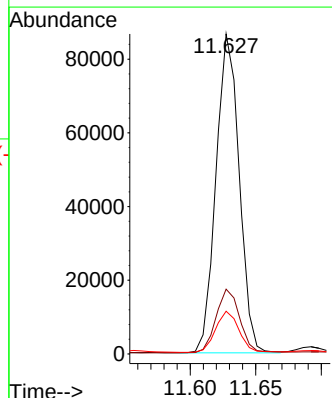
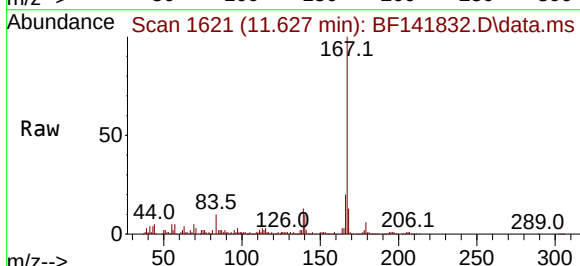
Tgt Ion:167 Resp: 106315

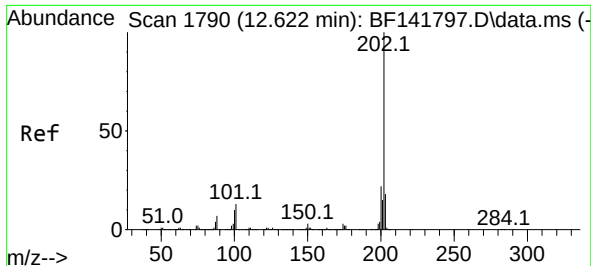
Ion Ratio Lower Upper

167 100

166 20.2 17.5 26.3

139 13.4 11.3 16.9

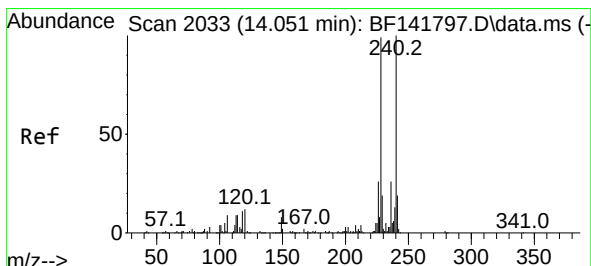
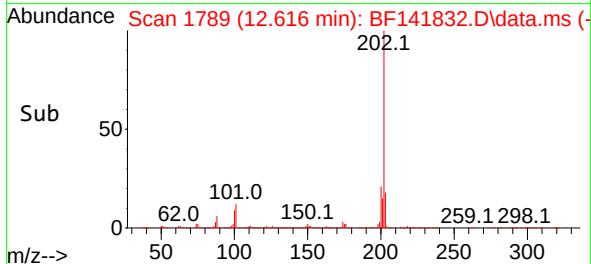
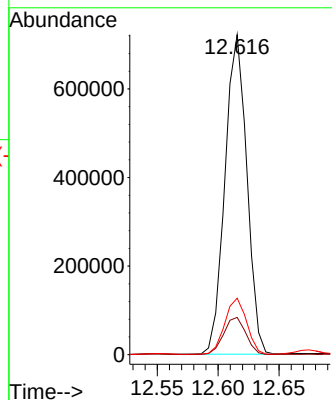
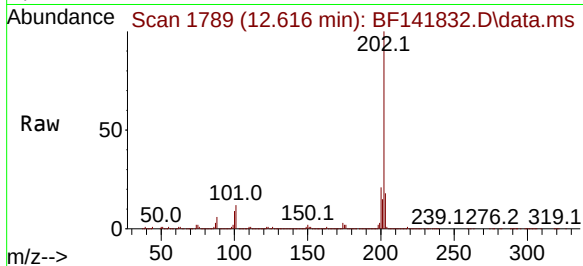




#75
Fluoranthene
Concen: 30.163 ng
RT: 12.616 min Scan# 1790
Delta R.T. -0.006 min
Lab File: BF141832.D
Acq: 04 Mar 2025 17:46

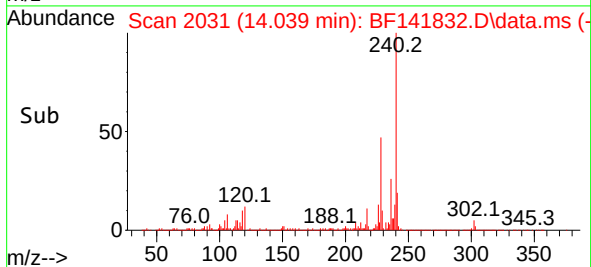
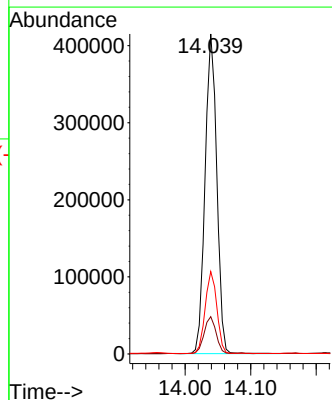
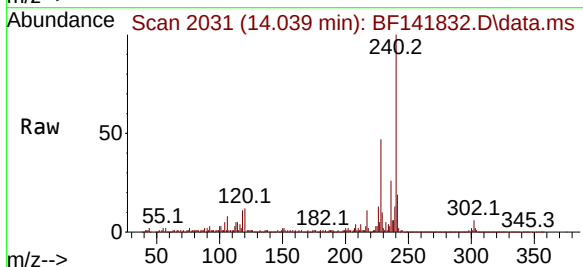
Instrument :
BNA_F
ClientSampleId :
TR-04-02282025DL

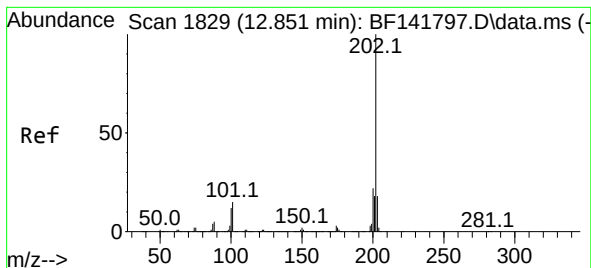
Tgt Ion:202 Resp: 902586
Ion Ratio Lower Upper
202 100
101 11.7 0.0 32.8
203 17.6 0.0 38.0



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.039 min Scan# 2031
Delta R.T. -0.012 min
Lab File: BF141832.D
Acq: 04 Mar 2025 17:46

Tgt Ion:240 Resp: 516330
Ion Ratio Lower Upper
240 100
120 11.7 9.7 14.5
236 25.7 21.0 31.4





#78

Pyrene

Concen: 16.299 ng

RT: 12.845 min Scan# 1828

Delta R.T. -0.006 min

Lab File: BF141832.D

Acq: 04 Mar 2025 17:46

Instrument :

BNA_F

ClientSampleId :

TR-04-02282025DL

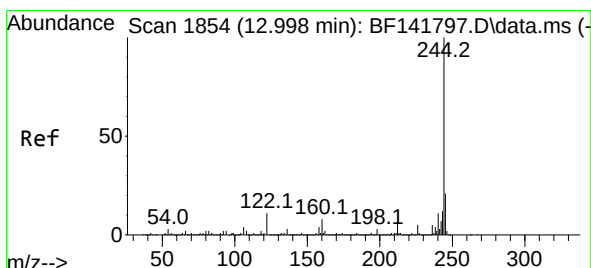
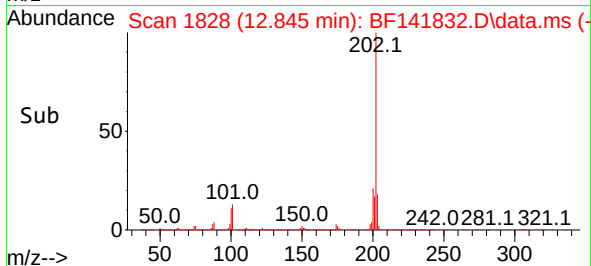
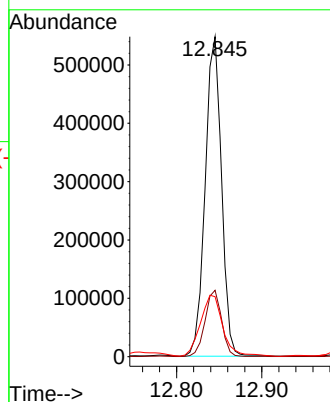
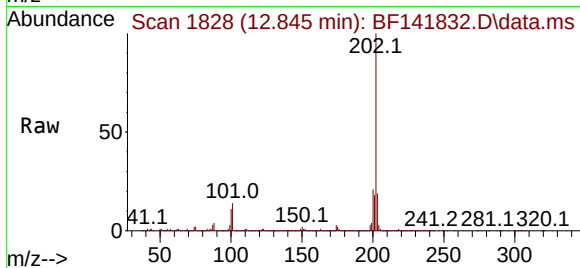
Tgt Ion:202 Resp: 728742

Ion Ratio Lower Upper

202 100

200 20.8 17.4 26.0

203 18.8 14.6 22.0



#79

Terphenyl-d14

Concen: 13.907 ng

RT: 12.986 min Scan# 1852

Delta R.T. -0.012 min

Lab File: BF141832.D

Acq: 04 Mar 2025 17:46

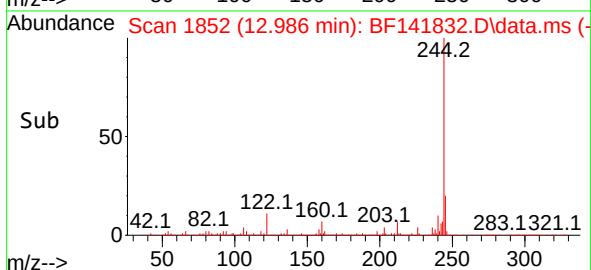
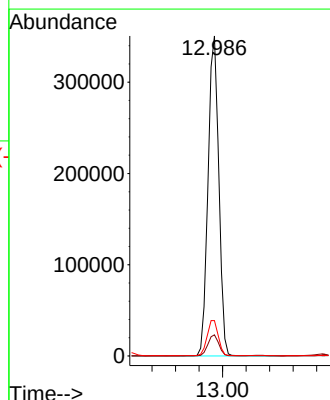
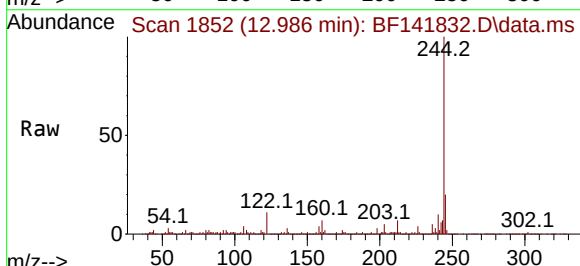
Tgt Ion:244 Resp: 443804

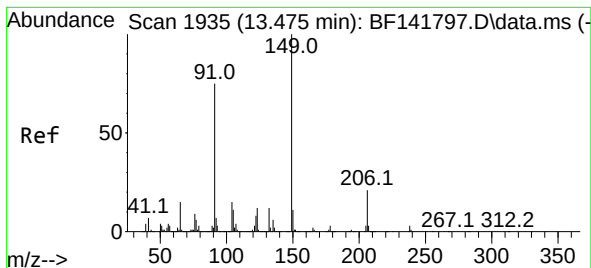
Ion Ratio Lower Upper

244 100

212 6.6 6.0 9.0

122 11.1 9.0 13.6





#80

Butylbenzylphthalate

Concen: 3.015 ng

RT: 13.627 min Scan# 1935

Delta R.T. 0.153 min

Lab File: BF141832.D

Acq: 04 Mar 2025 17:46

Instrument :

BNA_F

ClientSampleId :

TR-04-02282025DL

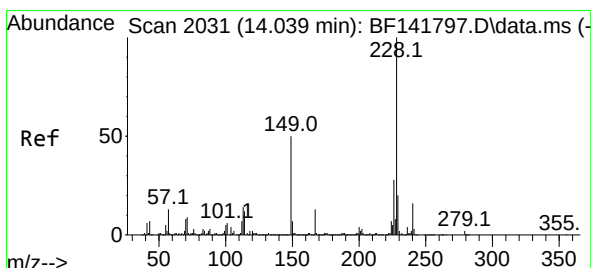
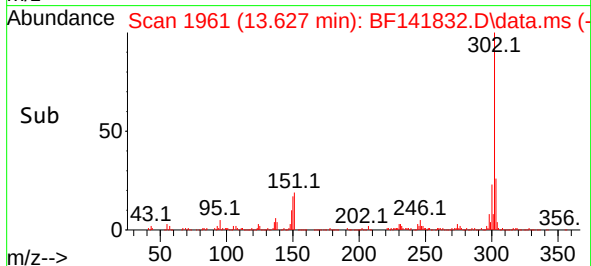
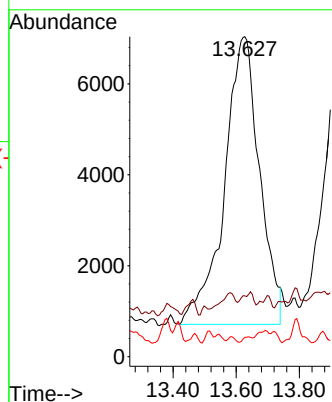
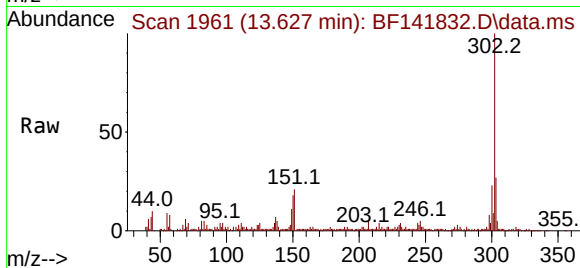
Tgt Ion:149 Resp: 48974

Ion Ratio Lower Upper

149 100

91 19.0 60.1 90.1#

206 6.1 16.8 25.2#



#81

Benzo(a)anthracene

Concen: 13.702 ng

RT: 14.027 min Scan# 2029

Delta R.T. -0.012 min

Lab File: BF141832.D

Acq: 04 Mar 2025 17:46

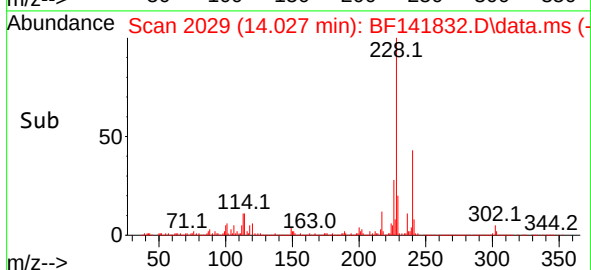
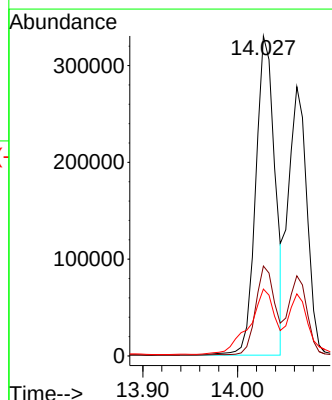
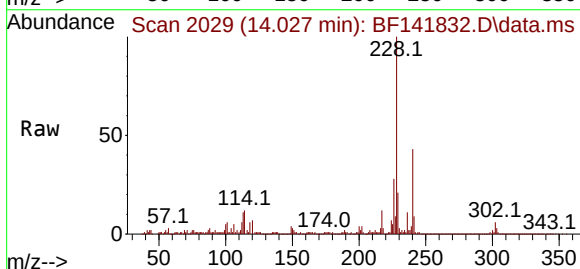
Tgt Ion:228 Resp: 467294

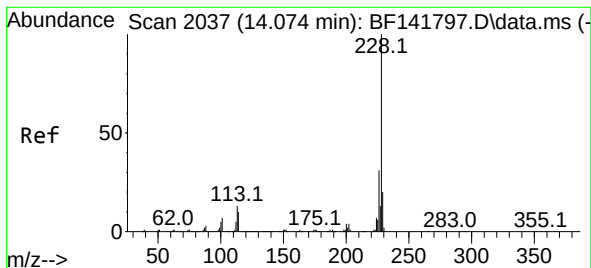
Ion Ratio Lower Upper

228 100

226 28.1 22.1 33.1

229 20.9 16.1 24.1





#83

Chrysene

Concen: 11.923 ng

RT: 14.063 min Scan# 2035

Delta R.T. -0.012 min

Lab File: BF141832.D

Acq: 04 Mar 2025 17:46

Instrument :

BNA_F

ClientSampleId :

TR-04-02282025DL

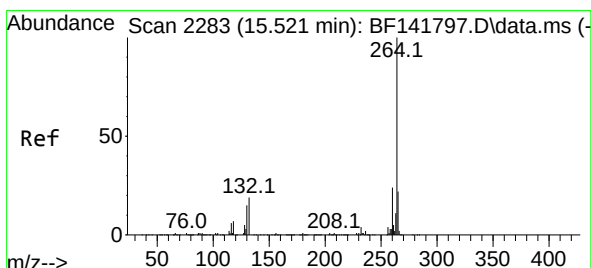
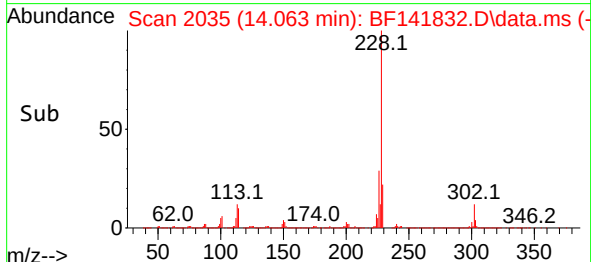
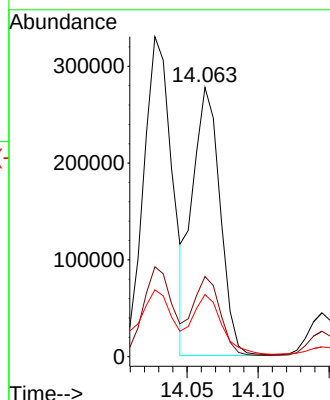
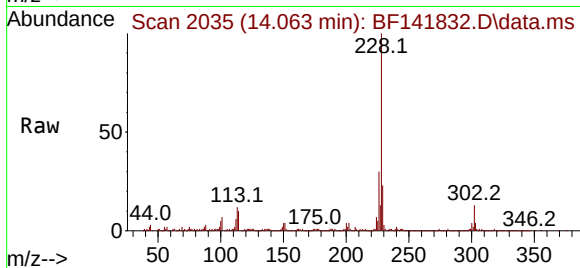
Tgt Ion:228 Resp: 374833

Ion Ratio Lower Upper

228 100

226 29.8 24.6 37.0

229 23.0 16.1 24.1



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.510 min Scan# 2281

Delta R.T. -0.012 min

Lab File: BF141832.D

Acq: 04 Mar 2025 17:46

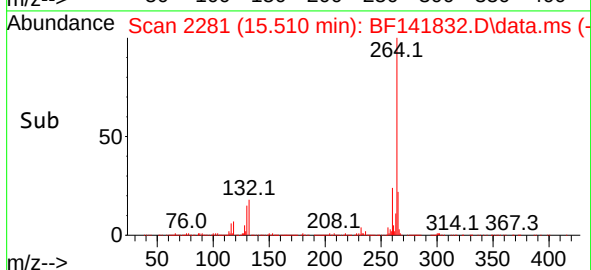
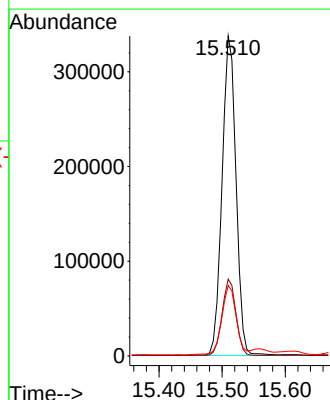
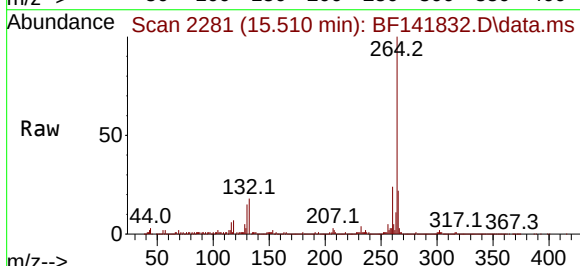
Tgt Ion:264 Resp: 517053

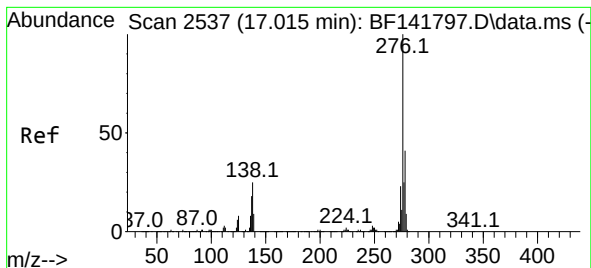
Ion Ratio Lower Upper

264 100

260 24.0 18.9 28.3

265 22.0 17.4 26.0





#87

Indeno(1,2,3-cd)pyrene

Concen: 4.484 ng

RT: 16.986 min Scan# 21

Delta R.T. -0.030 min

Lab File: BF141832.D

Acq: 04 Mar 2025 17:46

Instrument :

BNA_F

ClientSampleId :

TR-04-02282025DL

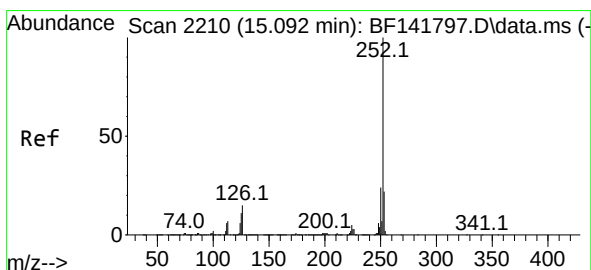
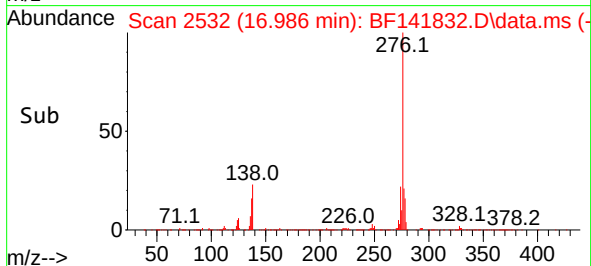
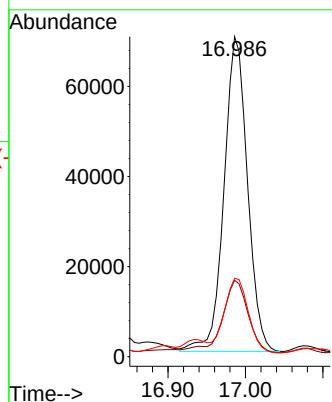
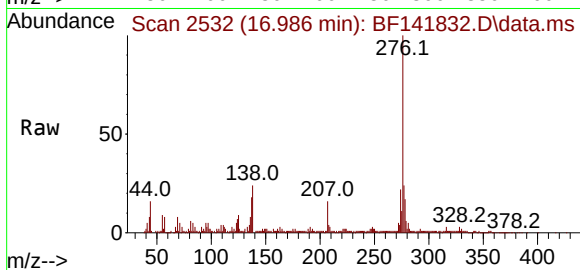
Tgt Ion:276 Resp: 147649

Ion Ratio Lower Upper

276 100

138 25.2 22.5 33.7

277 24.4 20.3 30.5



#88

Benzo(b)fluoranthene

Concen: 17.469 ng

RT: 15.080 min Scan# 2208

Delta R.T. -0.012 min

Lab File: BF141832.D

Acq: 04 Mar 2025 17:46

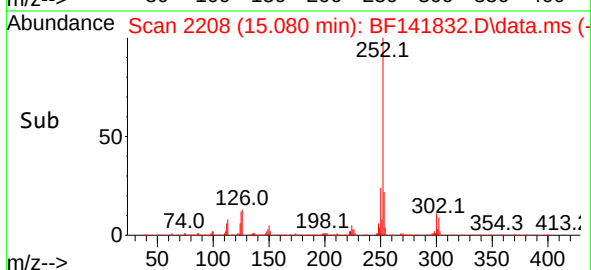
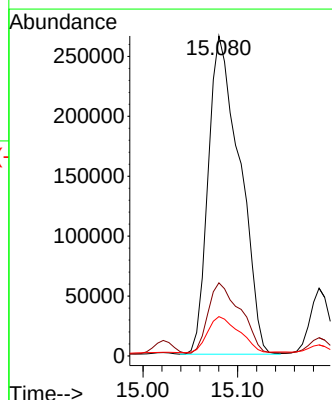
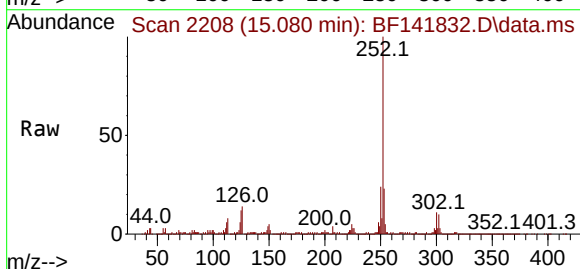
Tgt Ion:252 Resp: 615276

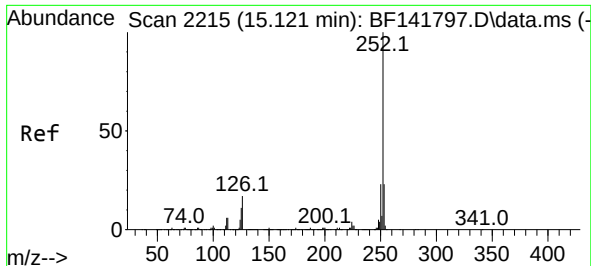
Ion Ratio Lower Upper

252 100

253 22.9 17.7 26.5

125 12.3 8.6 13.0

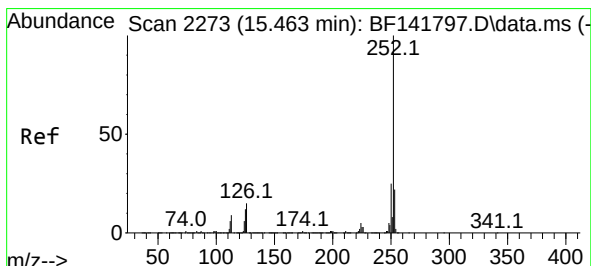
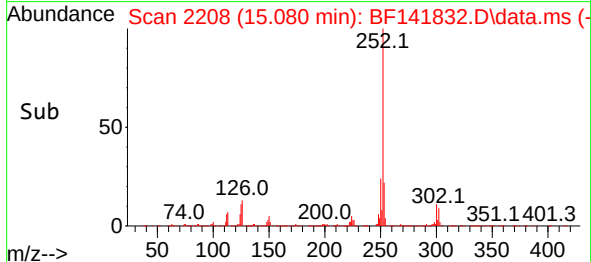
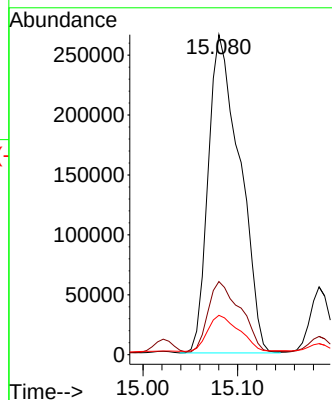
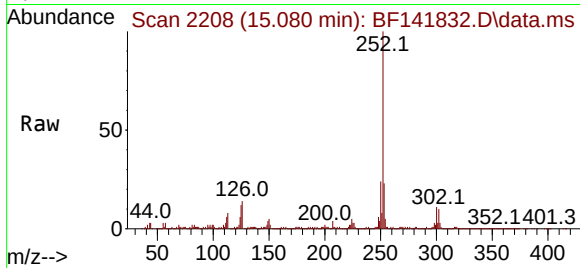




#89
Benzo(k)fluoranthene
Concen: 20.553 ng
RT: 15.080 min Scan# 21
Delta R.T. -0.041 min
Lab File: BF141832.D
Acq: 04 Mar 2025 17:46

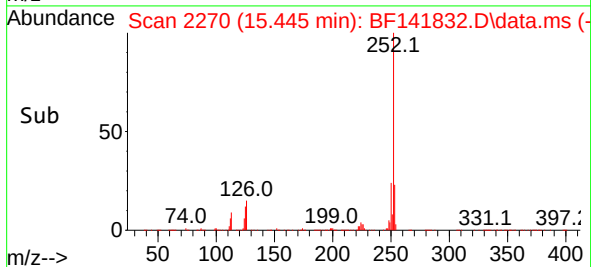
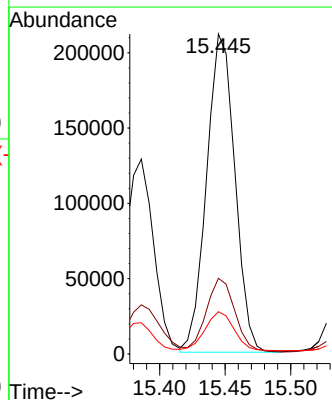
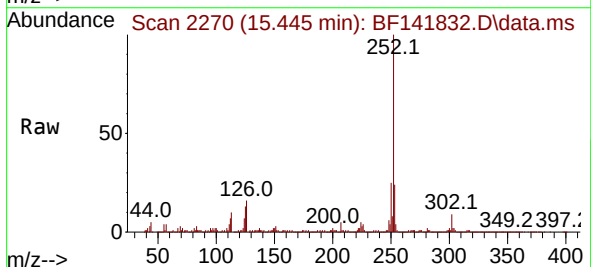
Instrument :
BNA_F
ClientSampleId :
TR-04-02282025DL

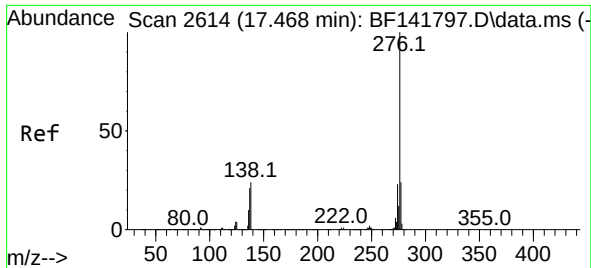
Tgt Ion:252 Resp: 615276
Ion Ratio Lower Upper
252 100
253 22.9 17.8 26.8
125 12.3 8.8 13.2



#90
Benzo(a)pyrene
Concen: 11.218 ng
RT: 15.445 min Scan# 2270
Delta R.T. -0.018 min
Lab File: BF141832.D
Acq: 04 Mar 2025 17:46

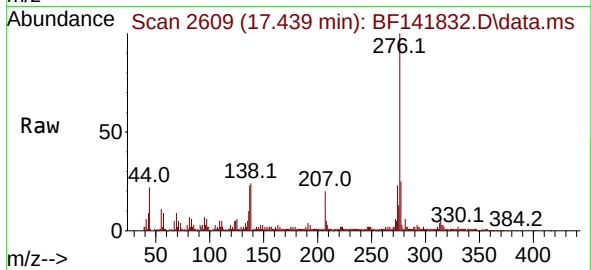
Tgt Ion:252 Resp: 316867
Ion Ratio Lower Upper
252 100
253 23.6 17.5 26.3
125 13.2 9.4 14.2





#92
 Benzo(g,h,i)perylene
 Concen: 4.447 ng
 RT: 17.439 min Scan# 20
 Delta R.T. -0.030 min
 Lab File: BF141832.D
 Acq: 04 Mar 2025 17:46

Instrument :
 BNA_F
 ClientSampleId :
 TR-04-02282025DL



Tgt Ion: 276 Resp: 122439

Ion	Ratio	Lower	Upper
276	100		
277	24.6	19.4	29.0
138	23.8	19.3	28.9

