

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF030525\
 Data File : BF141856.D
 Acq On : 05 Mar 2025 21:20
 Operator : RC/JU
 Sample : Q1482-01 5X
 Misc :
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 OR-03-030425

Quant Time: Mar 06 00:16:39 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)

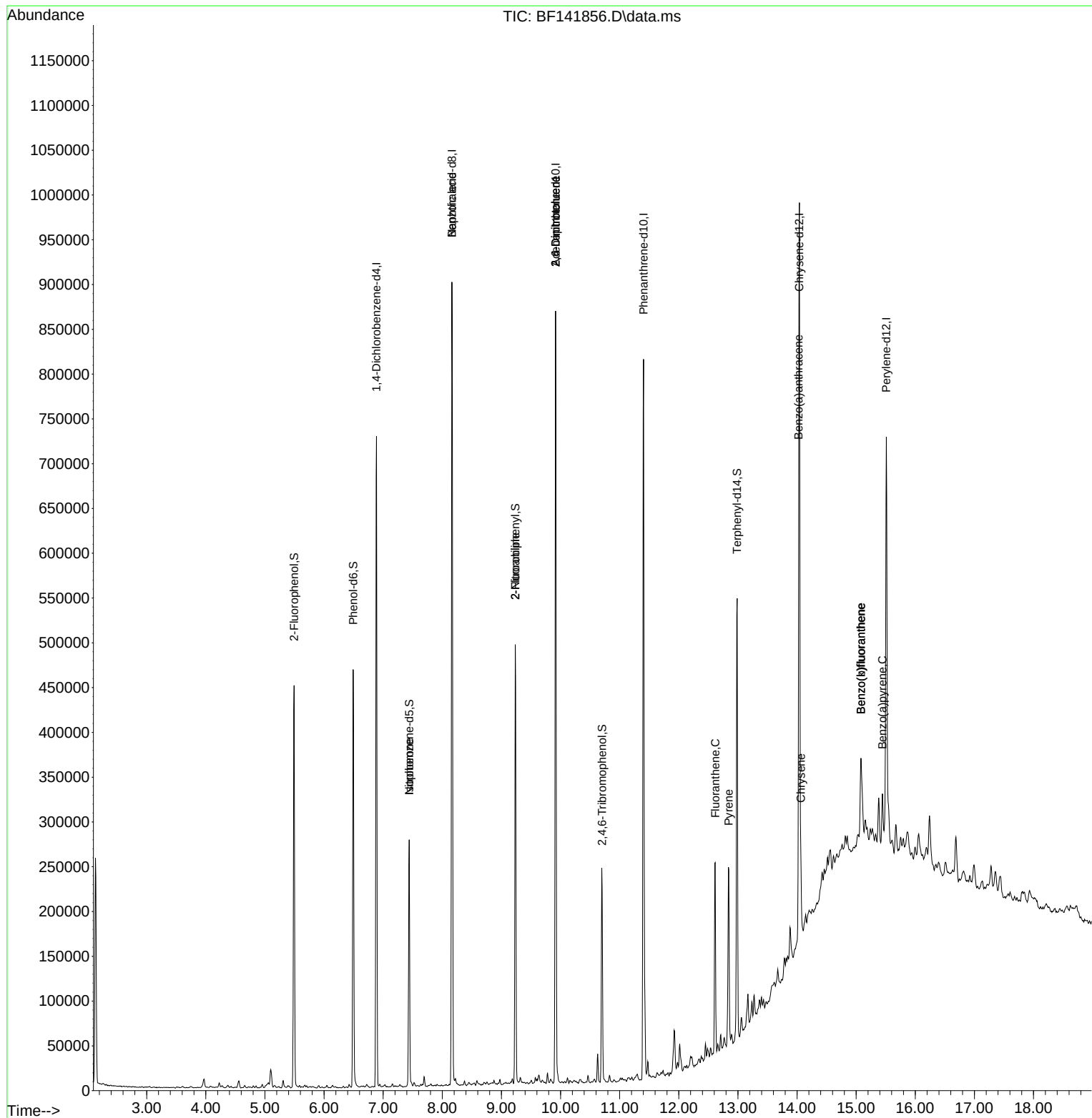
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.887	152	154259	20.000	ng	0.00
21) Naphthalene-d8	8.163	136	551519	20.000	ng	-0.01
39) Acenaphthene-d10	9.916	164	245387	20.000	ng	-0.01
64) Phenanthrene-d10	11.404	188	403376	20.000	ng	0.00
76) Chrysene-d12	14.039	240	368589	20.000	ng	-0.01
86) Perylene-d12	15.510	264	257354	20.000	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.493	112	166028	17.188	ng	0.00
7) Phenol-d6	6.493	99	208225	16.562	ng	-0.02
23) Nitrobenzene-d5	7.440	82	119594	13.861	ng	-0.01
42) 2,4,6-Tribromophenol	10.704	330	36785	15.968	ng	-0.01
45) 2-Fluorobiphenyl	9.234	172	212028	13.855	ng	-0.01
79) Terphenyl-d14	12.986	244	237630	10.431	ng	-0.01
Target Compounds						
						Qvalue
25) Isophorone	7.440	82	118327	6.383	ng	# 66
32) Benzoic acid	8.163	122	54	7.699	ng	# 1
48) 2-Nitroaniline	9.234	65	375	4.430	ng	# 1
51) 2,6-Dinitrotoluene	9.916	165	32420	12.534	ng	# 21
57) 2,4-Dinitrotoluene	9.916	165	32420	11.348	ng	# 20
75) Fluoranthene	12.616	202	122594	5.545	ng	97
78) Pyrene	12.845	202	114947	3.601	ng	99
81) Benzo(a)anthracene	14.027	228	58811	2.416	ng	95
83) Chrysene	14.063	228	48953	2.181	ng	96
88) Benzo(b)fluoranthene	15.080	252	68132	3.887	ng	# 88
89) Benzo(k)fluoranthene	15.080	252	68132	4.573	ng	# 89
90) Benzo(a)pyrene	15.445	252	33215	2.363	ng	# 90

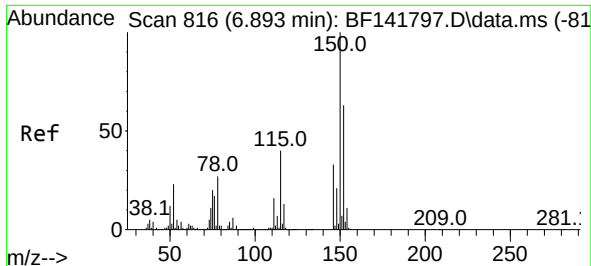
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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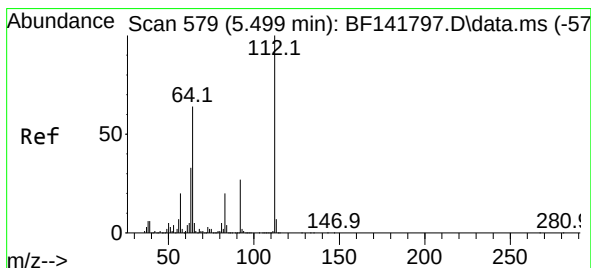
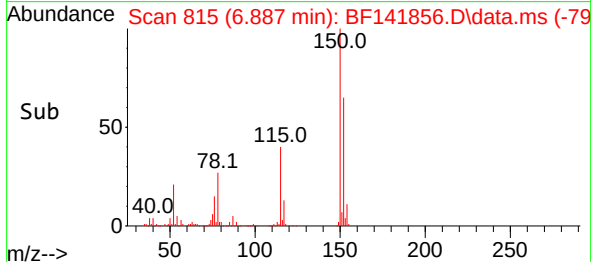
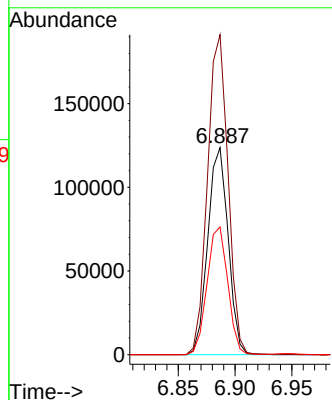
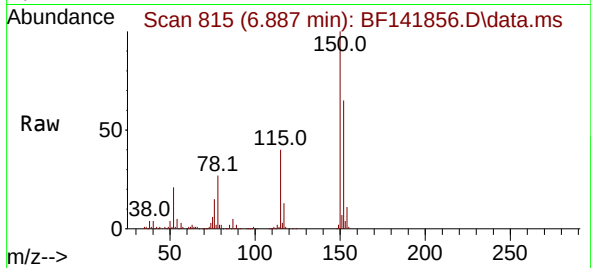




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.887 min Scan# 816
 Delta R.T. -0.006 min
 Lab File: BF141856.D
 Acq: 05 Mar 2025 21:20

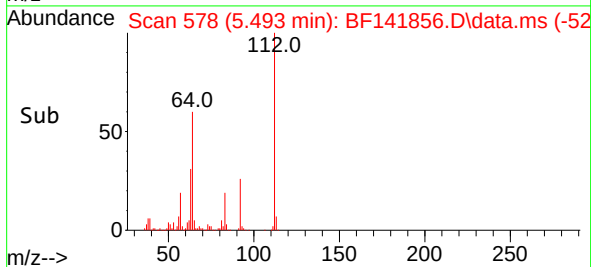
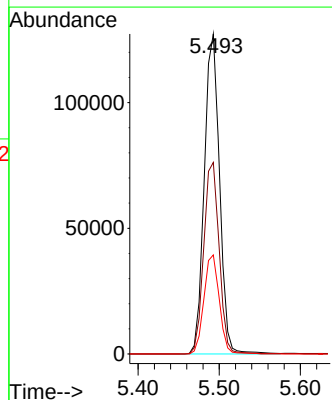
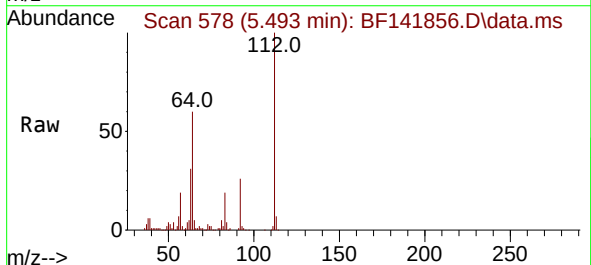
Instrument :
 BNA_F
 ClientSampleId :
 OR-03-030425

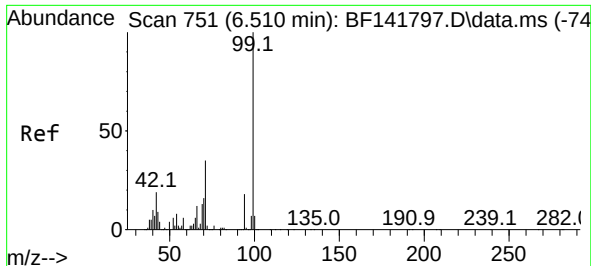
Tgt Ion:152 Resp: 154259
 Ion Ratio Lower Upper
 152 100
 150 154.6 127.5 191.3
 115 61.7 51.4 77.2



#5
 2-Fluorophenol
 Concen: 17.188 ng
 RT: 5.493 min Scan# 578
 Delta R.T. -0.006 min
 Lab File: BF141856.D
 Acq: 05 Mar 2025 21:20

Tgt Ion:112 Resp: 166028
 Ion Ratio Lower Upper
 112 100
 64 59.9 51.3 76.9
 63 31.0 26.2 39.4

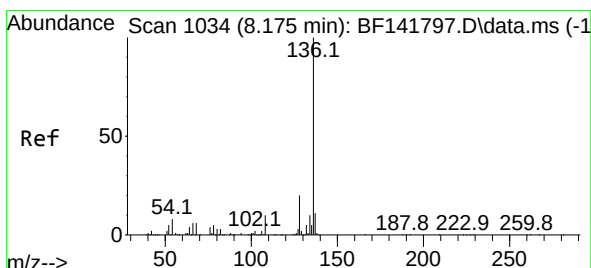
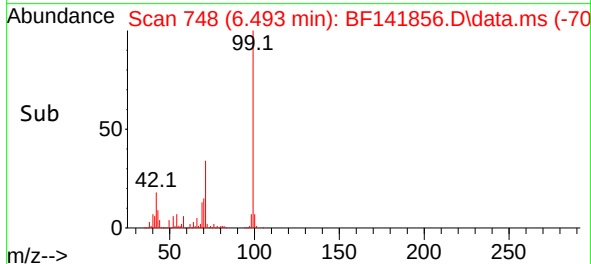
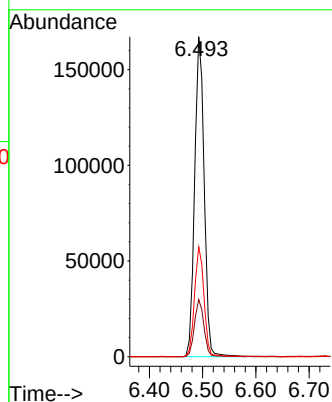
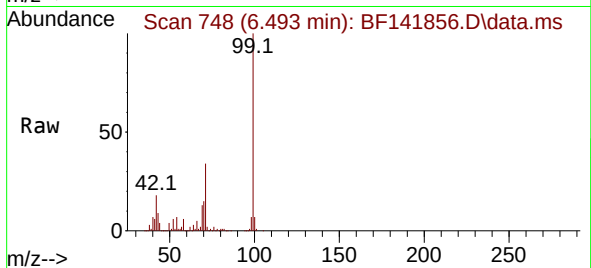




#7
Phenol-d6
Concen: 16.562 ng
RT: 6.493 min Scan# 74
Delta R.T. -0.018 min
Lab File: BF141856.D
Acq: 05 Mar 2025 21:20

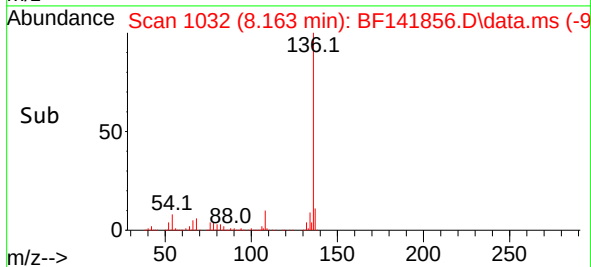
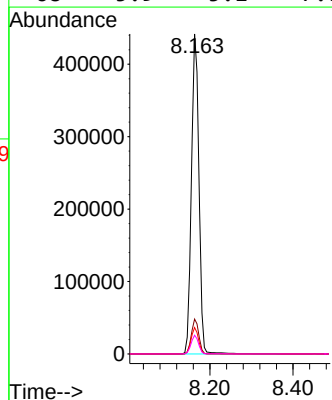
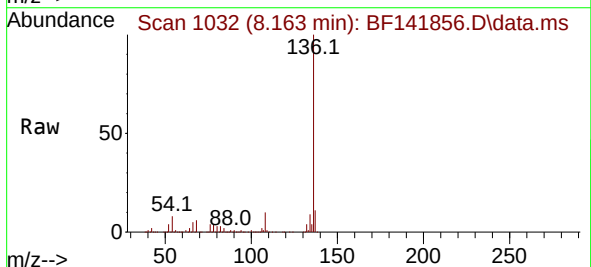
Instrument :
BNA_F
ClientSampleId :
OR-03-030425

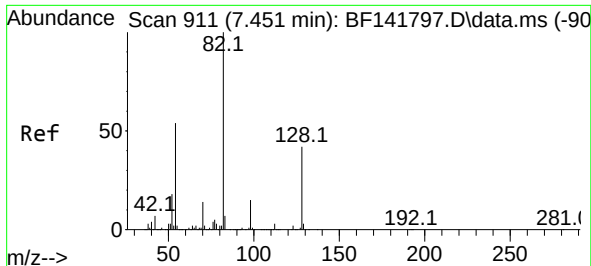
Tgt Ion: 99 Resp: 208225
Ion Ratio Lower Upper
99 100
42 17.9 15.2 22.8
71 34.3 28.2 42.2



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.163 min Scan# 1032
Delta R.T. -0.012 min
Lab File: BF141856.D
Acq: 05 Mar 2025 21:20

Tgt Ion: 136 Resp: 551519
Ion Ratio Lower Upper
136 100
137 10.9 8.9 13.3
54 8.3 6.9 10.3
68 5.9 5.1 7.7





#23

Nitrobenzene-d5

Concen: 13.861 ng

RT: 7.440 min Scan# 909

Delta R.T. -0.012 min

Lab File: BF141856.D

Acq: 05 Mar 2025 21:20

Instrument :

BNA_F

ClientSampleId :

OR-03-030425

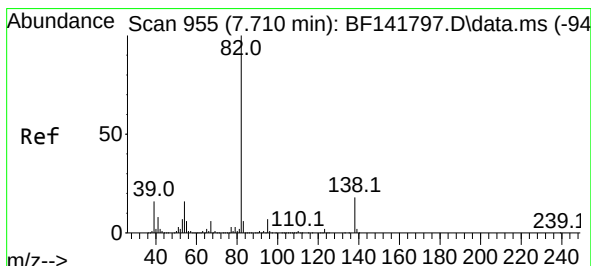
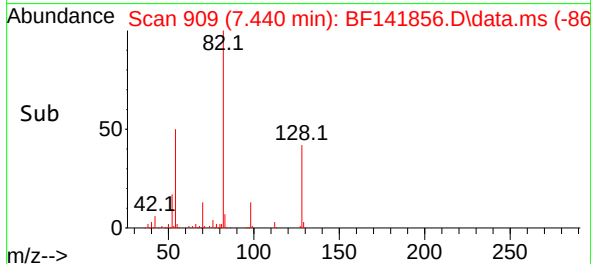
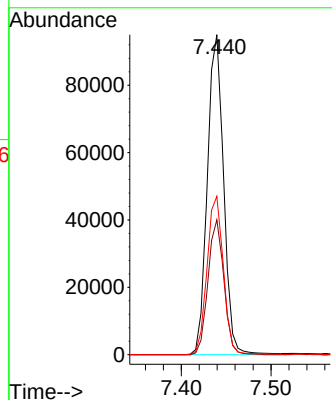
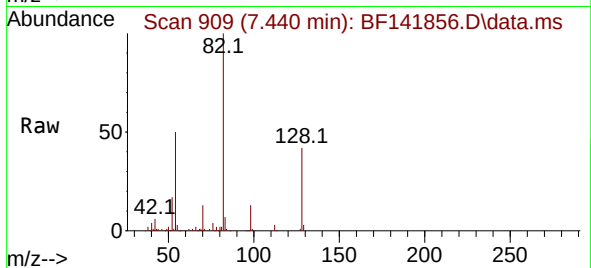
Tgt Ion: 82 Resp: 119594

Ion Ratio Lower Upper

82 100

128 42.2 33.5 50.3

54 49.5 42.7 64.1



#25

Isophorone

Concen: 6.383 ng

RT: 7.440 min Scan# 909

Delta R.T. -0.271 min

Lab File: BF141856.D

Acq: 05 Mar 2025 21:20

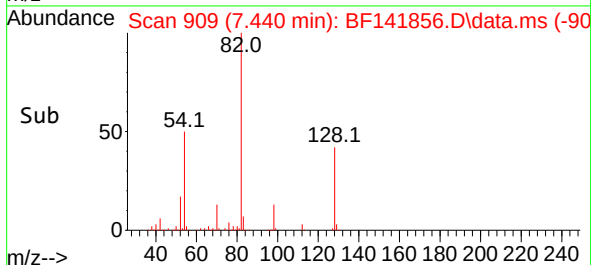
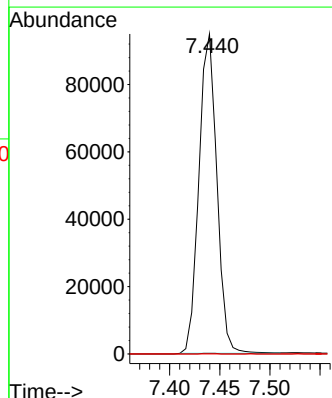
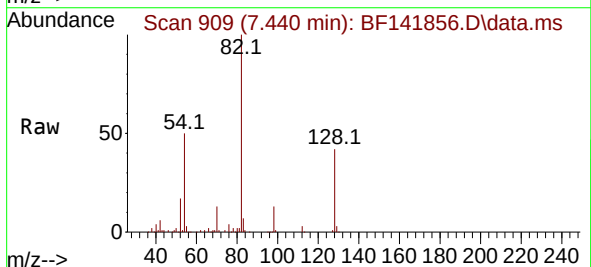
Tgt Ion: 82 Resp: 118327

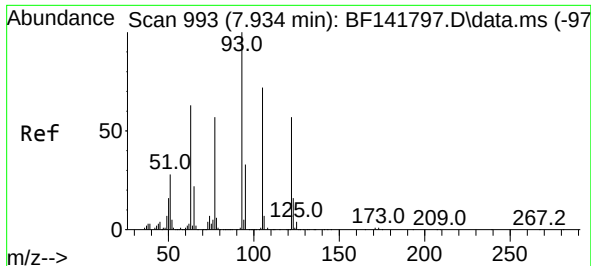
Ion Ratio Lower Upper

82 100

95 0.2 5.8 8.8#

138 0.0 14.0 21.0#

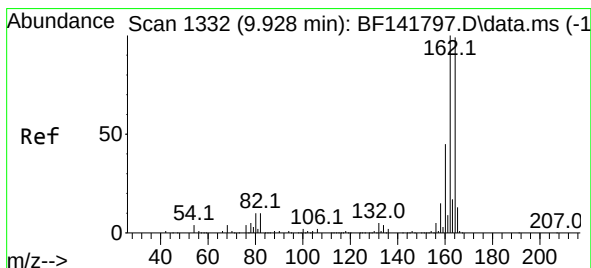
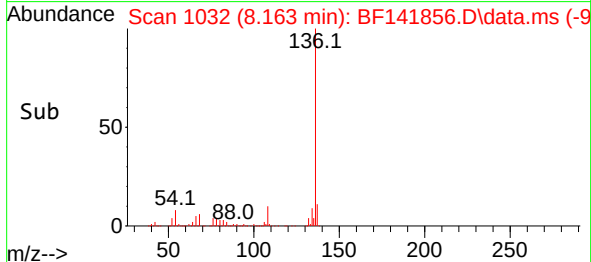
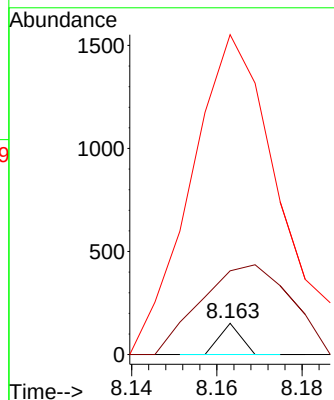
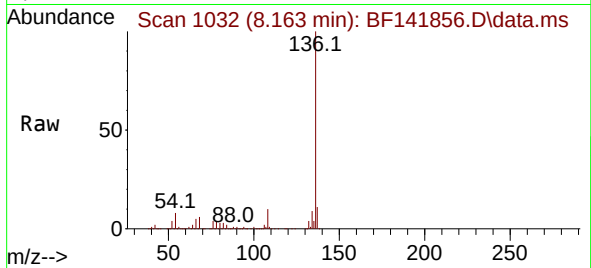




#32
Benzoic acid
Concen: 7.699 ng
RT: 8.163 min Scan# 1032
Delta R.T. 0.229 min
Lab File: BF141856.D
Acq: 05 Mar 2025 21:20

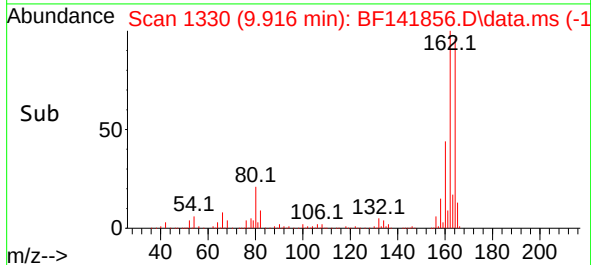
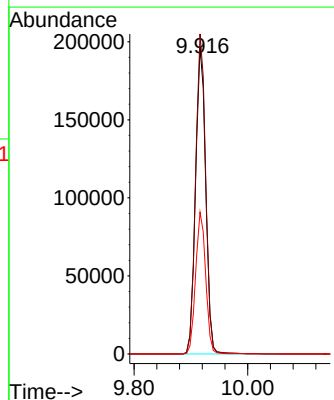
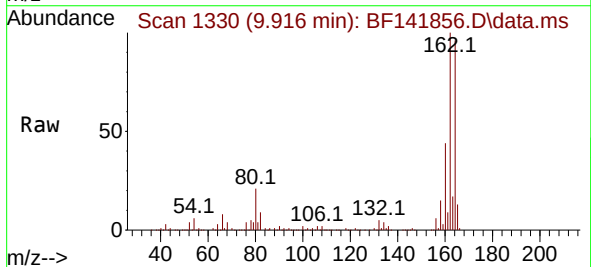
Instrument :
BNA_F
ClientSampleId :
OR-03-030425

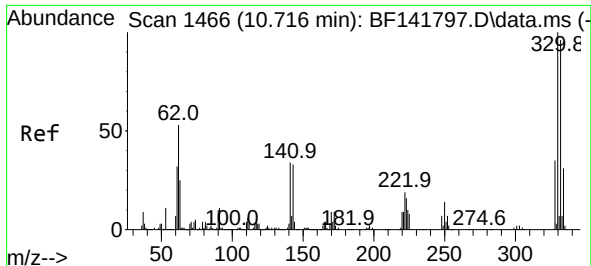
Tgt Ion:122 Resp: 54
Ion Ratio Lower Upper
122 100
105 267.1 105.8 145.8#
77 1021.1 79.9 119.9#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.916 min Scan# 1330
Delta R.T. -0.012 min
Lab File: BF141856.D
Acq: 05 Mar 2025 21:20

Tgt Ion:164 Resp: 245387
Ion Ratio Lower Upper
164 100
162 104.2 80.6 120.8
160 46.1 36.3 54.5





#42

2,4,6-Tribromophenol

Concen: 15.968 ng

RT: 10.704 min Scan# 1464

Delta R.T. -0.012 min

Lab File: BF141856.D

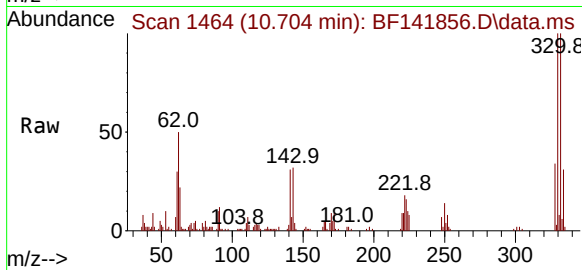
Acq: 05 Mar 2025 21:20

Instrument :

BNA_F

ClientSampleId :

OR-03-030425



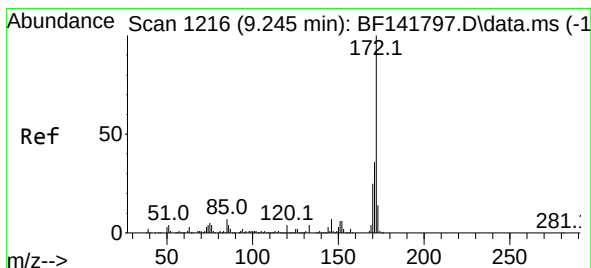
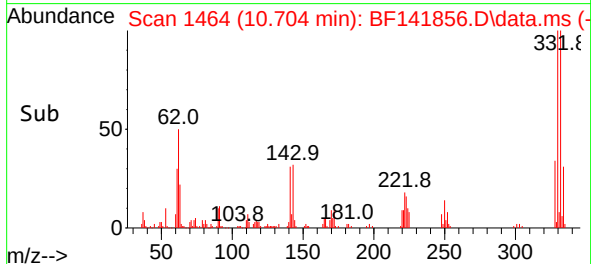
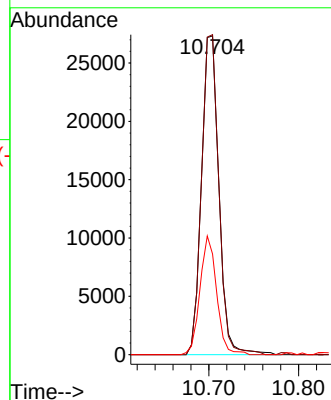
Tgt Ion:330 Resp: 36785

Ion Ratio Lower Upper

330 100

332 99.4 76.6 115.0

141 35.6 29.0 43.4



#45

2-Fluorobiphenyl

Concen: 13.855 ng

RT: 9.234 min Scan# 1214

Delta R.T. -0.012 min

Lab File: BF141856.D

Acq: 05 Mar 2025 21:20

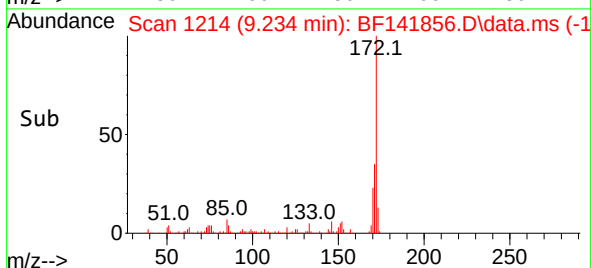
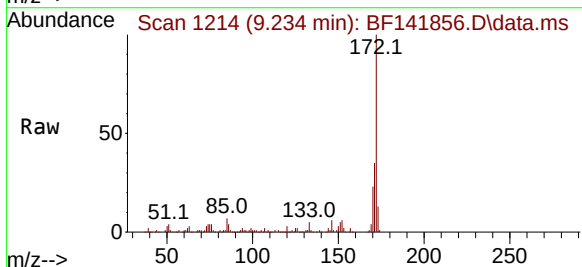
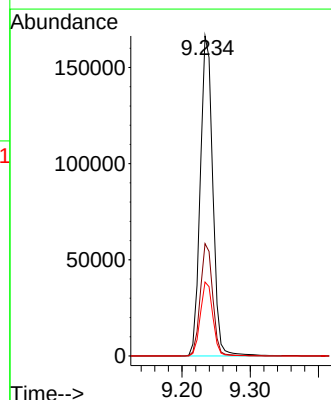
Tgt Ion:172 Resp: 212028

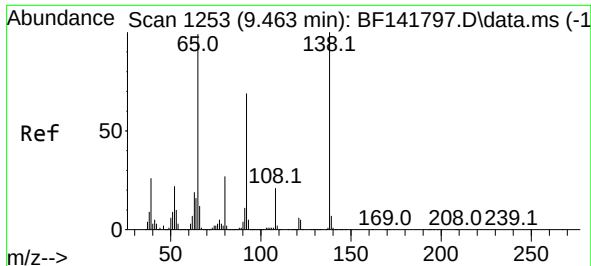
Ion Ratio Lower Upper

172 100

171 35.1 29.2 43.8

170 23.1 19.7 29.5

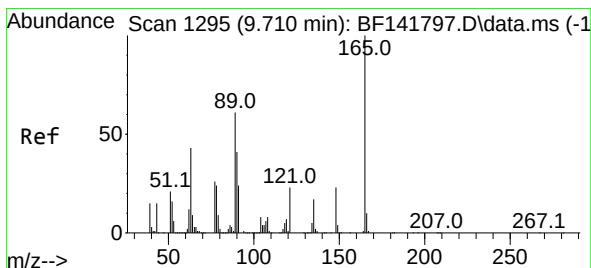
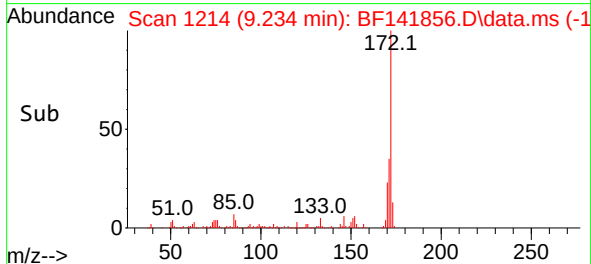
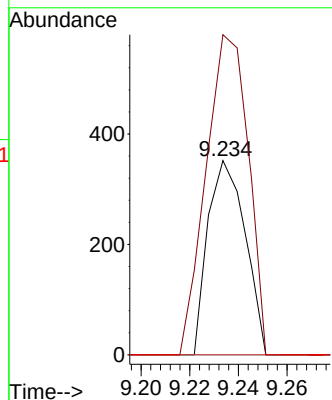
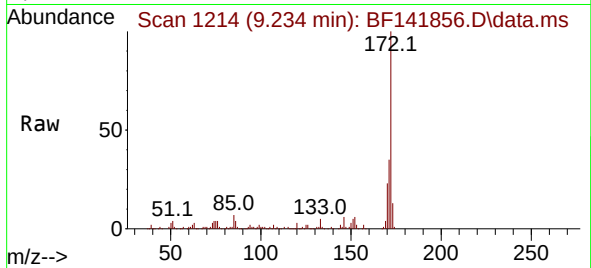




#48
2-Nitroaniline
Concen: 4.430 ng
RT: 9.234 min Scan# 11
Delta R.T. -0.229 min
Lab File: BF141856.D
Acq: 05 Mar 2025 21:20

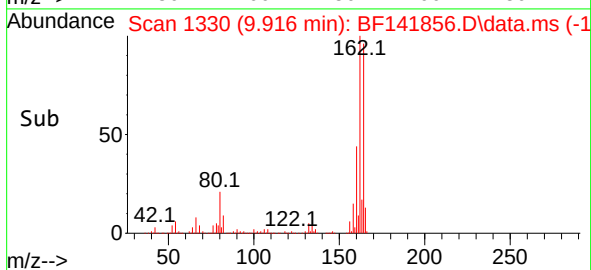
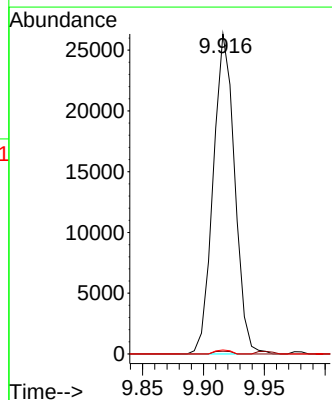
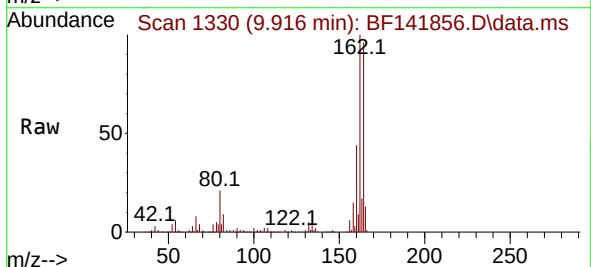
Instrument :
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OR-03-030425

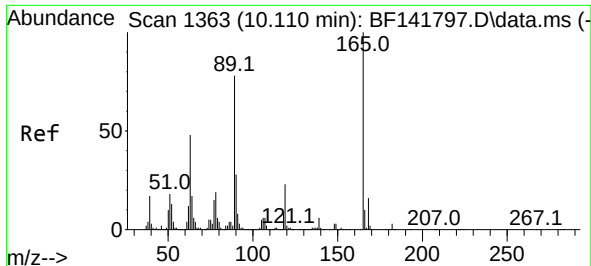
Tgt Ion: 65 Resp: 375
Ion Ratio Lower Upper
65 100
92 164.8 55.7 83.5#
138 0.0 80.6 121.0#



#51
2,6-Dinitrotoluene
Concen: 12.534 ng
RT: 9.916 min Scan# 1330
Delta R.T. 0.206 min
Lab File: BF141856.D
Acq: 05 Mar 2025 21:20

Tgt Ion: 165 Resp: 32420
Ion Ratio Lower Upper
165 100
63 0.9 49.5 74.3#
89 1.3 49.0 73.4#

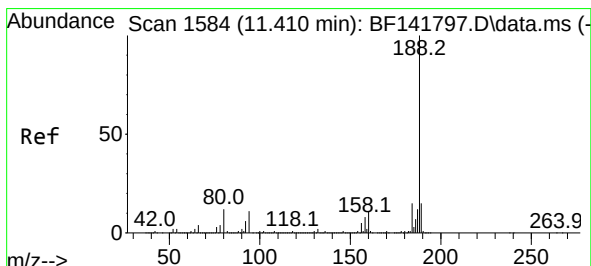
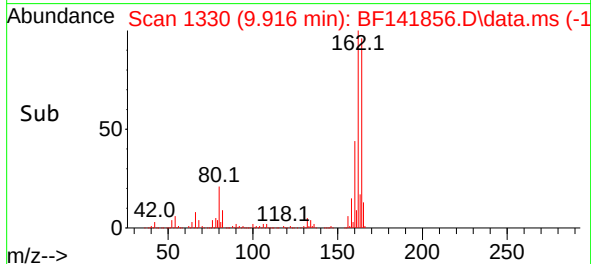
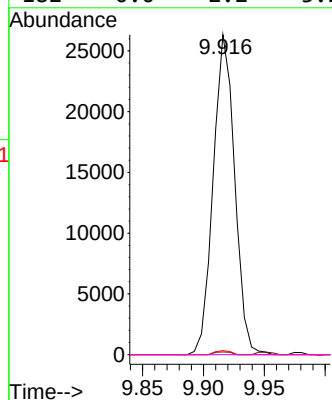
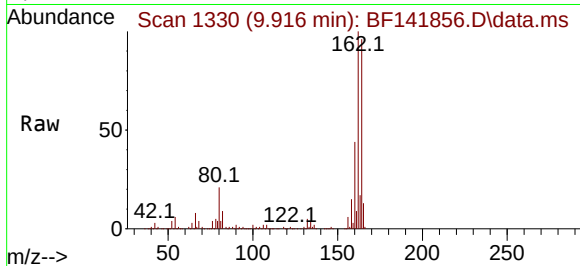




#57
2,4-Dinitrotoluene
Concen: 11.348 ng
RT: 9.916 min Scan# 11
Delta R.T. -0.194 min
Lab File: BF141856.D
Acq: 05 Mar 2025 21:20

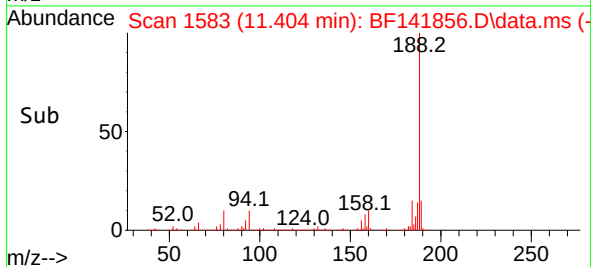
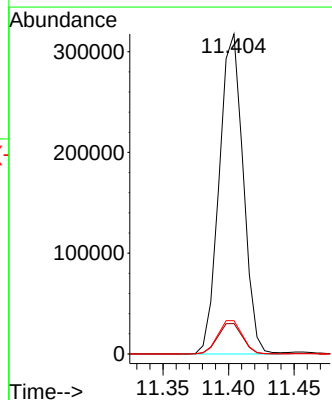
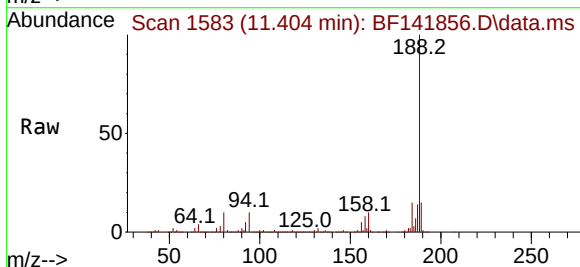
Instrument :
BNA_F
ClientSampleId :
OR-03-030425

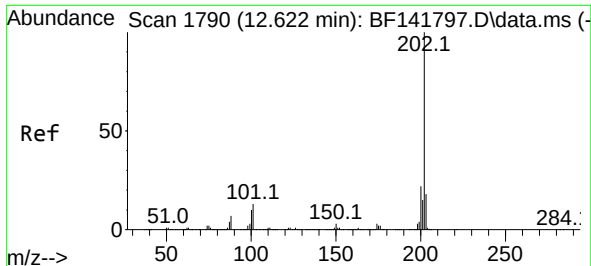
Tgt Ion:165	Resp:	32420
Ion Ratio	Lower	Upper
165	100	
63	0.9	38.8 58.2#
89	1.3	62.6 94.0#
182	0.0	2.2 3.2#



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.404 min Scan# 1583
Delta R.T. -0.006 min
Lab File: BF141856.D
Acq: 05 Mar 2025 21:20

Tgt Ion:188	Resp:	403376
Ion Ratio	Lower	Upper
188	100	
94	9.5	8.9 13.3
80	10.4	9.7 14.5

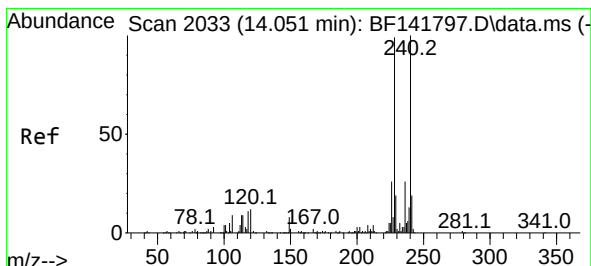
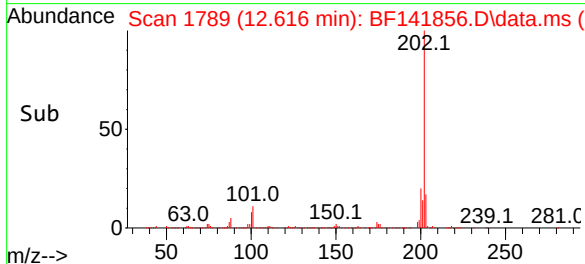
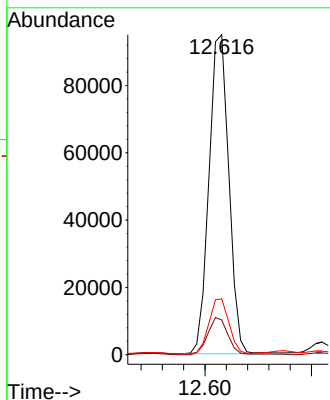
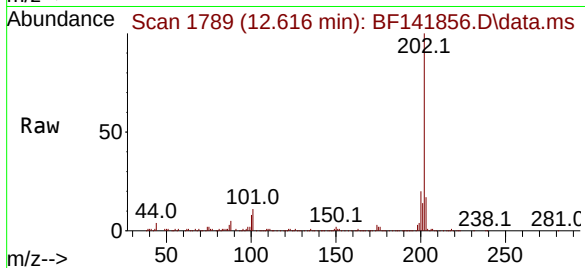




#75
Fluoranthene
Concen: 5.545 ng
RT: 12.616 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF141856.D
Acq: 05 Mar 2025 21:20

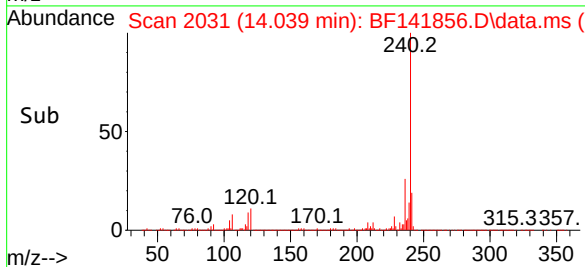
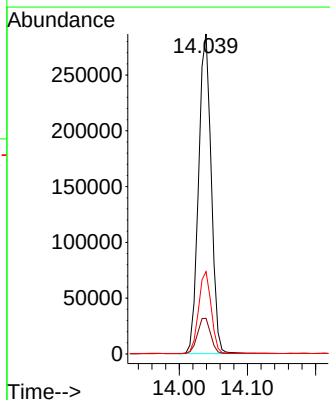
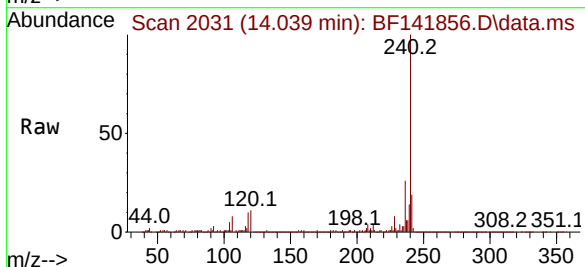
Instrument :
BNA_F
ClientSampleId :
OR-03-030425

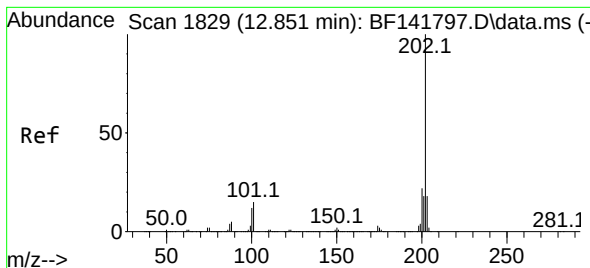
Tgt Ion:202 Resp: 122594
Ion Ratio Lower Upper
202 100
101 10.8 0.0 32.8
203 17.5 0.0 38.0



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.039 min Scan# 2031
Delta R.T. -0.012 min
Lab File: BF141856.D
Acq: 05 Mar 2025 21:20

Tgt Ion:240 Resp: 368589
Ion Ratio Lower Upper
240 100
120 11.1 9.7 14.5
236 25.7 21.0 31.4





#78

Pyrene

Concen: 3.601 ng

RT: 12.845 min Scan# 1828

Delta R.T. -0.006 min

Lab File: BF141856.D

Acq: 05 Mar 2025 21:20

Instrument :

BNA_F

ClientSampleId :

OR-03-030425

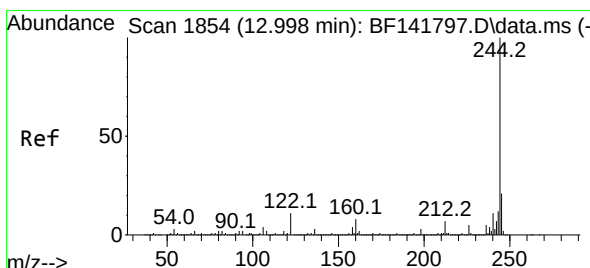
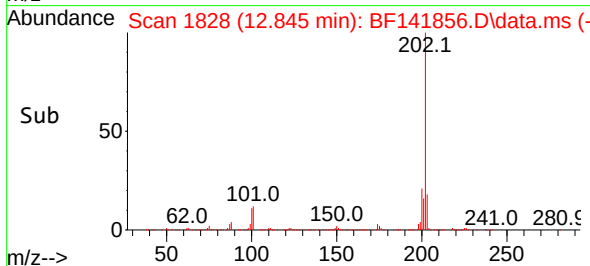
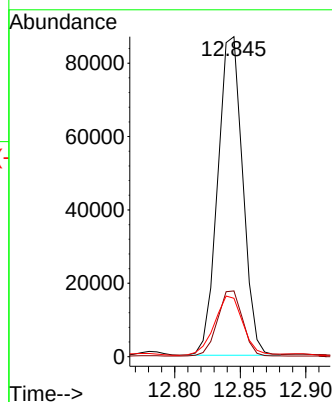
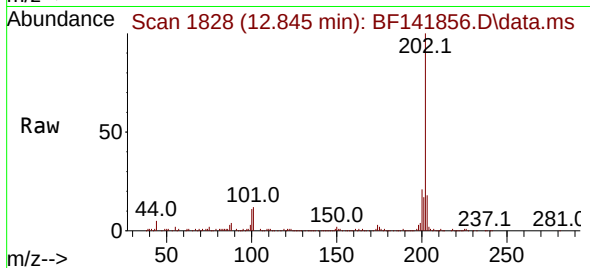
Tgt Ion:202 Resp: 114947

Ion Ratio Lower Upper

202 100

200 20.6 17.4 26.0

203 18.3 14.6 22.0



#79

Terphenyl-d14

Concen: 10.431 ng

RT: 12.986 min Scan# 1852

Delta R.T. -0.012 min

Lab File: BF141856.D

Acq: 05 Mar 2025 21:20

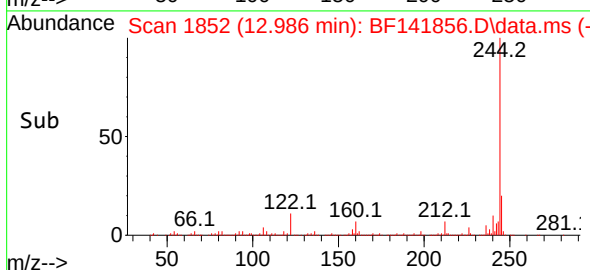
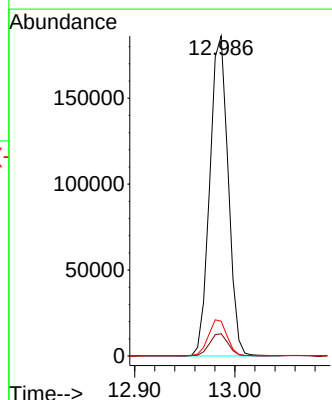
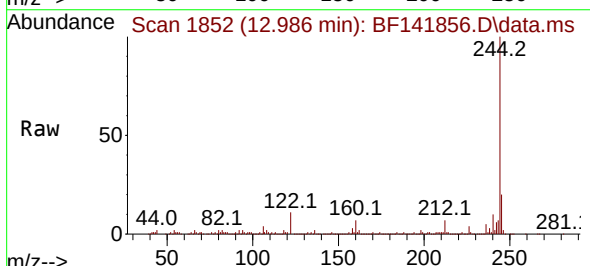
Tgt Ion:244 Resp: 237630

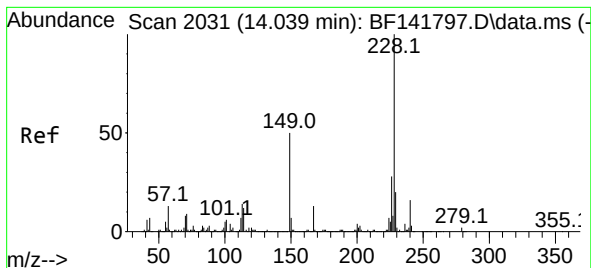
Ion Ratio Lower Upper

244 100

212 6.9 6.0 9.0

122 10.9 9.0 13.6





#81

Benzo(a)anthracene

Concen: 2.416 ng

RT: 14.027 min Scan# 2031

Delta R.T. -0.012 min

Lab File: BF141856.D

Acq: 05 Mar 2025 21:20

Instrument :

BNA_F

ClientSampleId :

OR-03-030425

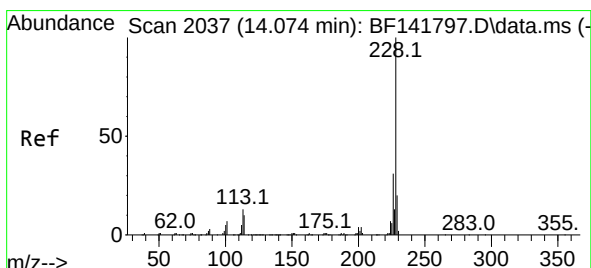
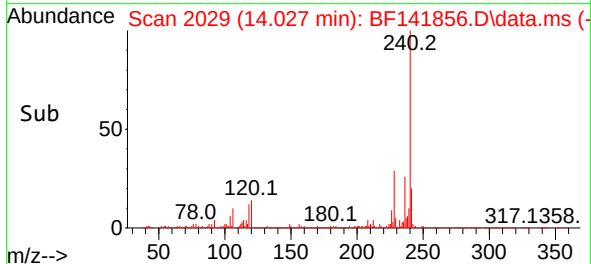
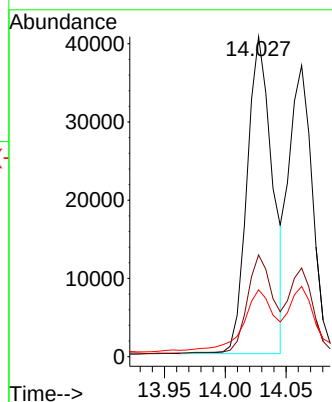
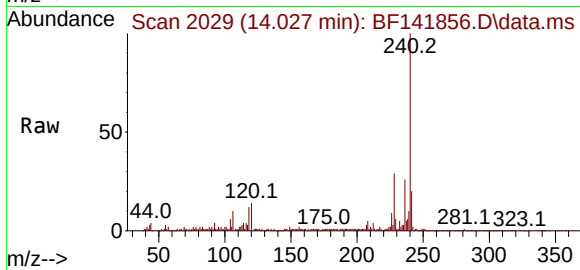
Tgt Ion:228 Resp: 58811

Ion Ratio Lower Upper

228 100

226 31.8 22.1 33.1

229 20.9 16.1 24.1



#83

Chrysene

Concen: 2.181 ng

RT: 14.063 min Scan# 2035

Delta R.T. -0.012 min

Lab File: BF141856.D

Acq: 05 Mar 2025 21:20

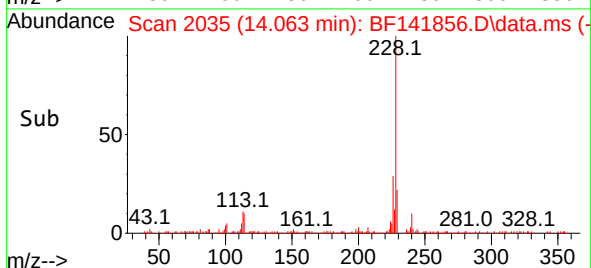
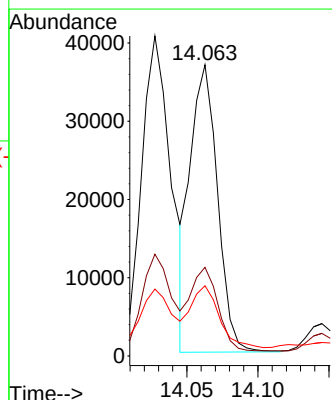
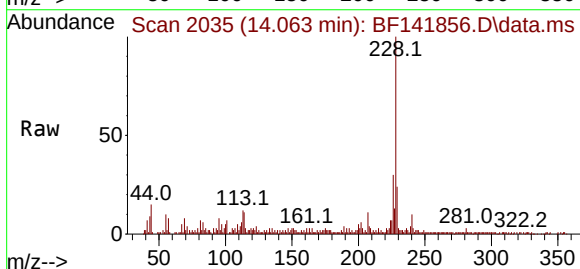
Tgt Ion:228 Resp: 48953

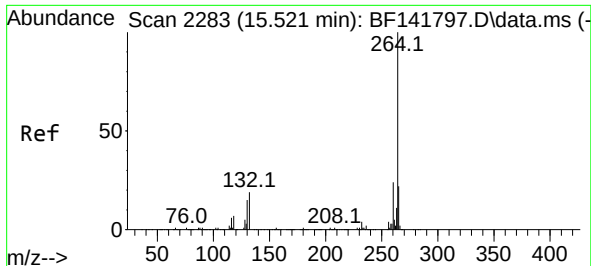
Ion Ratio Lower Upper

228 100

226 30.4 24.6 37.0

229 24.1 16.1 24.1

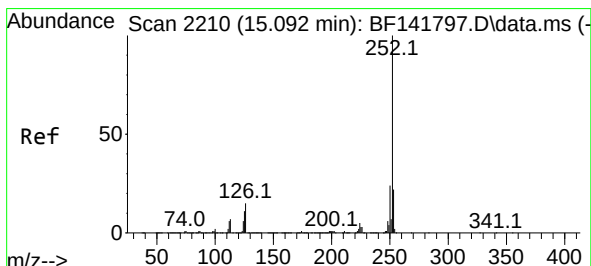
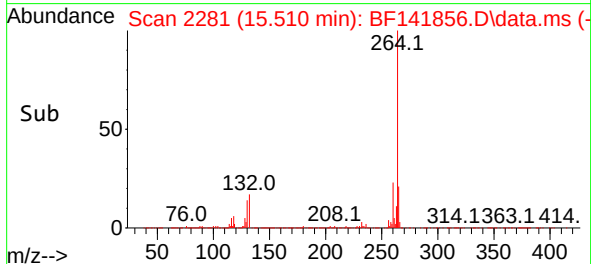
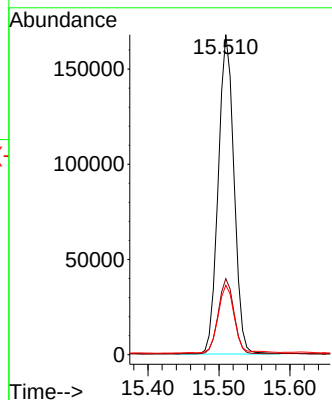
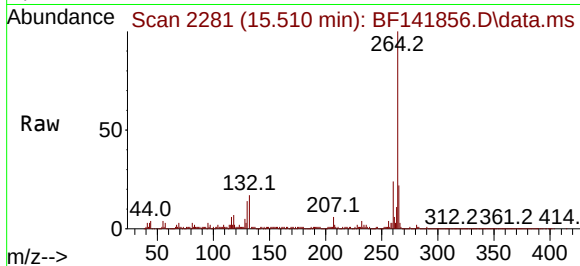




#86
Perylene-d12
Concen: 20.000 ng
RT: 15.510 min Scan# 21
Delta R.T. -0.012 min
Lab File: BF141856.D
Acq: 05 Mar 2025 21:20

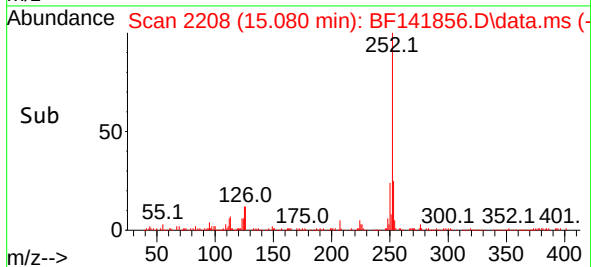
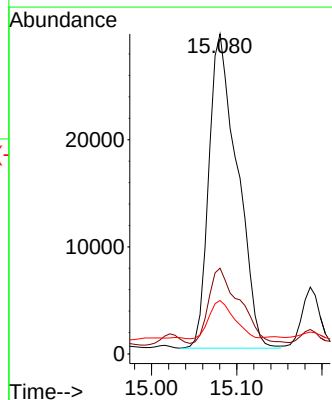
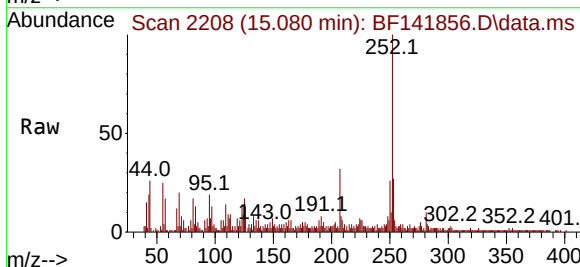
Instrument :
BNA_F
ClientSampleId :
OR-03-030425

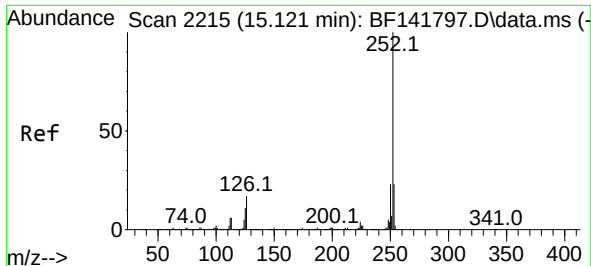
Tgt Ion:264 Resp: 257354
Ion Ratio Lower Upper
264 100
260 23.7 18.9 28.3
265 21.7 17.4 26.0



#88
Benzo(b)fluoranthene
Concen: 3.887 ng
RT: 15.080 min Scan# 2208
Delta R.T. -0.012 min
Lab File: BF141856.D
Acq: 05 Mar 2025 21:20

Tgt Ion:252 Resp: 68132
Ion Ratio Lower Upper
252 100
253 26.8 17.7 26.5#
125 16.7 8.6 13.0#





#89

Benzo(k)fluoranthene

Concen: 4.573 ng

RT: 15.080 min Scan# 21

Delta R.T. -0.041 min

Lab File: BF141856.D

Acq: 05 Mar 2025 21:20

Instrument :

BNA_F

ClientSampleId :

OR-03-030425

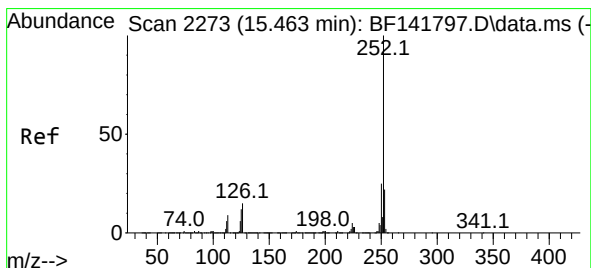
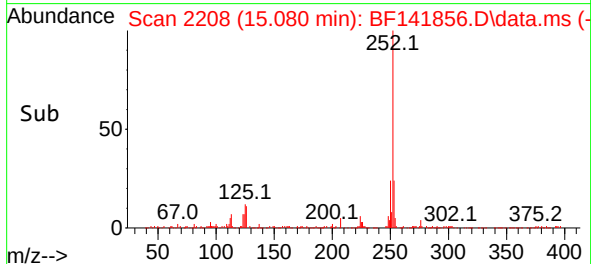
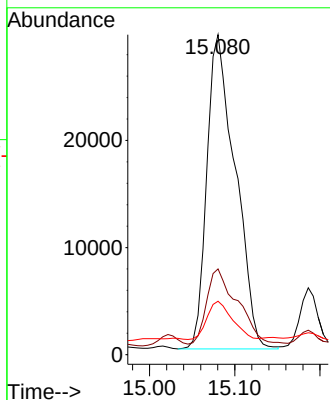
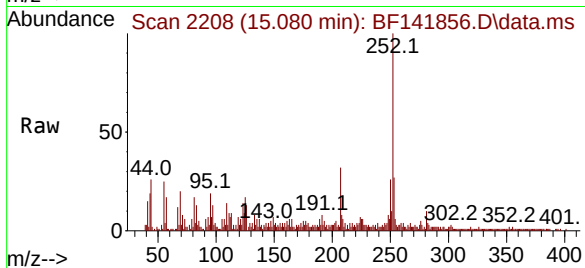
Tgt Ion:252 Resp: 68132

Ion Ratio Lower Upper

252 100

253 26.8 17.8 26.8#

125 16.7 8.8 13.2#



#90

Benzo(a)pyrene

Concen: 2.363 ng

RT: 15.445 min Scan# 2270

Delta R.T. -0.018 min

Lab File: BF141856.D

Acq: 05 Mar 2025 21:20

Tgt Ion:252 Resp: 33215

Ion Ratio Lower Upper

252 100

253 25.6 17.5 26.3

125 17.5 9.4 14.2#

