

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF030725\
 Data File : BF141891.D
 Acq On : 07 Mar 2025 13:28
 Operator : RC/JU
 Sample : Q1518-01 5X
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 OILY-DEBRIS-COMP

Quant Time: Mar 07 13:53:30 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)

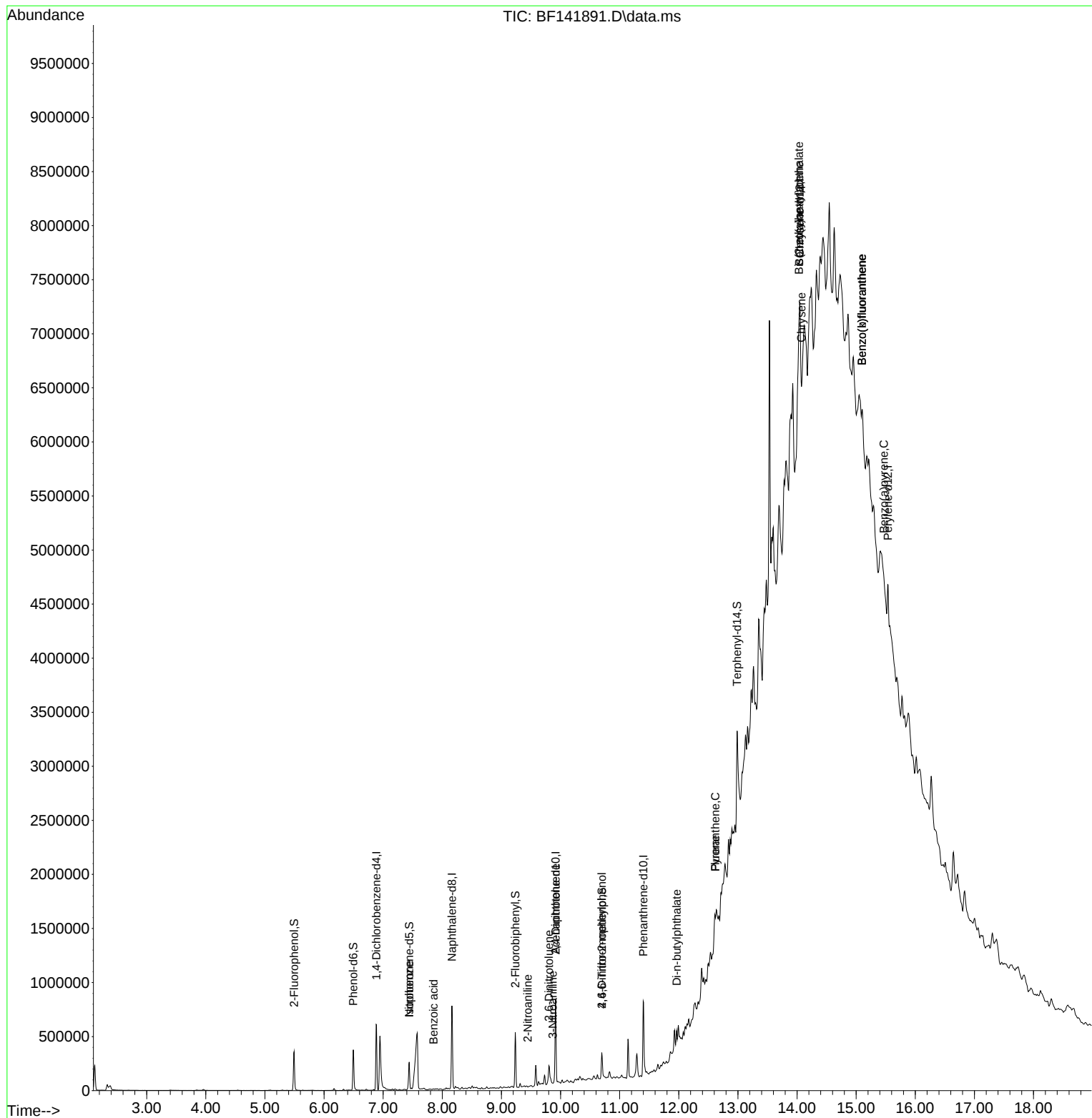
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.887	152	131534	20.000	ng	0.00
21) Naphthalene-d8	8.163	136	475159	20.000	ng	-0.01
39) Acenaphthene-d10	9.916	164	224480	20.000	ng	-0.01
64) Phenanthrene-d10	11.398	188	359640	20.000	ng	-0.01
76) Chrysene-d12	14.045	240	347689	20.000	ng	0.00
86) Perylene-d12	15.539	264	297803	20.000	ng	0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.493	112	143397	17.410	ng	0.00
7) Phenol-d6	6.493	99	183883	17.153	ng	-0.02
23) Nitrobenzene-d5	7.440	82	113945	15.328	ng	-0.01
42) 2,4,6-Tribromophenol	10.698	330	41298	19.596	ng	-0.02
45) 2-Fluorobiphenyl	9.234	172	216904	15.493	ng	-0.01
79) Terphenyl-d14	12.986	244	230030	10.704	ng	-0.01
Target Compounds						Qvalue
25) Isophorone	7.440	82	112621	7.052	ng	# 66
32) Benzoic acid	7.851	122	113	7.710	ng	# 8
48) 2-Nitroaniline	9.445	65	133	4.374	ng	# 35
51) 2,6-Dinitrotoluene	9.804	165	1409	3.290	ng	# 1
53) 3-Nitroaniline	9.869	138	582	3.145	ng	# 39
57) 2,4-Dinitrotoluene	9.916	165	29753	11.373	ng	# 21
65) 4,6-Dinitro-2-methylph...	10.698	198	193	8.221	ng	# 1
74) Di-n-butylphthalate	11.963	149	110967	5.142	ng	99
75) Fluoranthene	12.616	202	116675	5.919	ng	94
78) Pyrene	12.616	202	116675	3.875	ng	96
81) Benzo(a)anthracene	14.039	228	56265	2.450	ng	# 88
83) Chrysene	14.074	228	53953	2.549	ng	# 93
84) Bis(2-ethylhexyl)phtha...	14.033	149	220324	16.176	ng	# 89
88) Benzo(b)fluoranthene	15.098	252	106182	5.234	ng	# 1
89) Benzo(k)fluoranthene	15.098	252	106182	6.158	ng	# 1
90) Benzo(a)pyrene	15.468	252	42779	2.630	ng	# 1

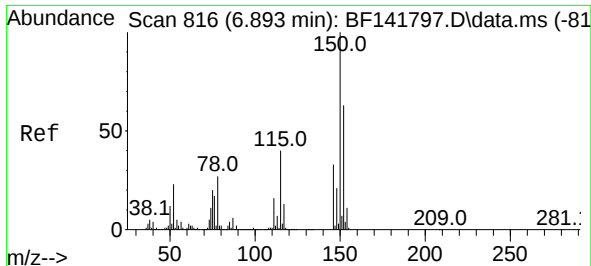
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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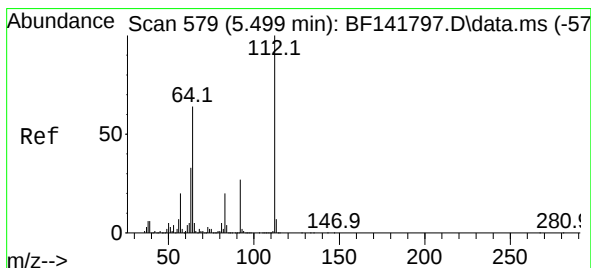
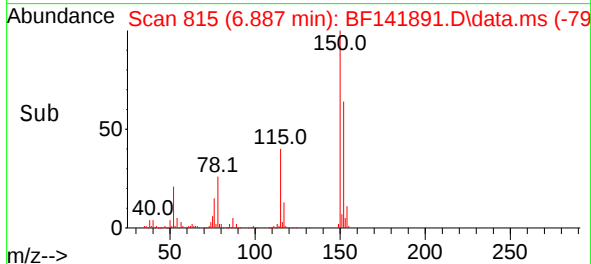
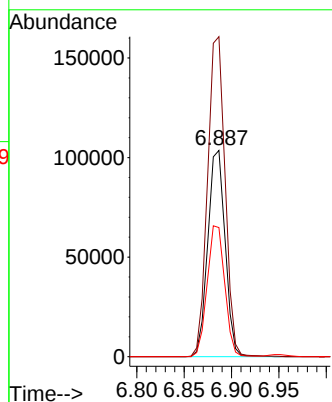
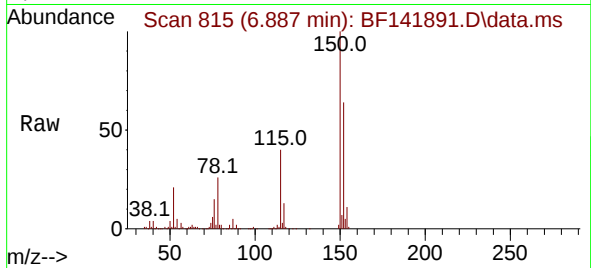




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.887 min Scan# 816
Delta R.T. -0.006 min
Lab File: BF141891.D
Acq: 07 Mar 2025 13:28

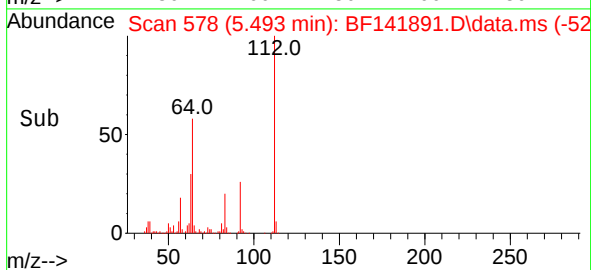
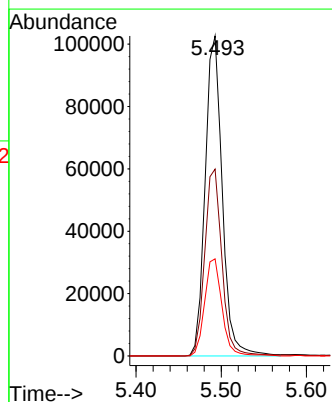
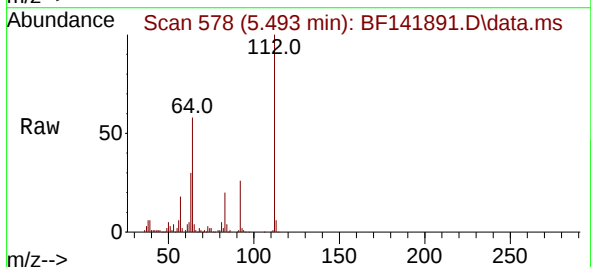
Instrument :
BNA_F
ClientSampleId :
OILY-DEBRIS-COMP

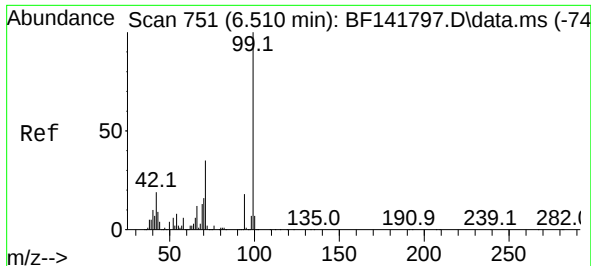
Tgt Ion:152 Resp: 131534
Ion Ratio Lower Upper
152 100
150 155.1 127.5 191.3
115 62.6 51.4 77.2



#5
2-Fluorophenol
Concen: 17.410 ng
RT: 5.493 min Scan# 578
Delta R.T. -0.006 min
Lab File: BF141891.D
Acq: 07 Mar 2025 13:28

Tgt Ion:112 Resp: 143397
Ion Ratio Lower Upper
112 100
64 58.4 51.3 76.9
63 30.4 26.2 39.4

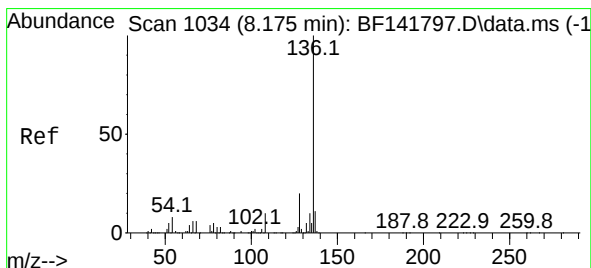
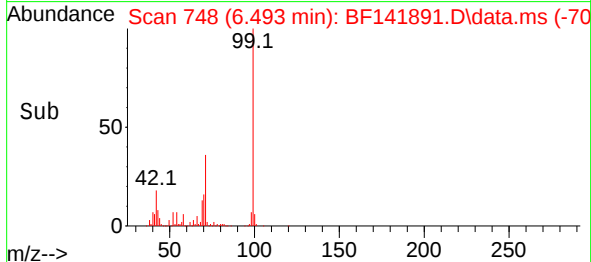
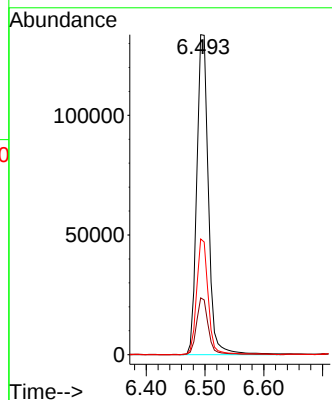
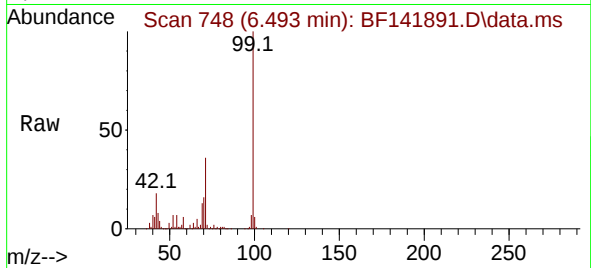




#7
Phenol-d6
Concen: 17.153 ng
RT: 6.493 min Scan# 74
Delta R.T. -0.018 min
Lab File: BF141891.D
Acq: 07 Mar 2025 13:28

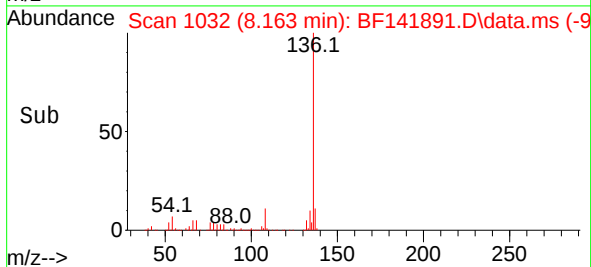
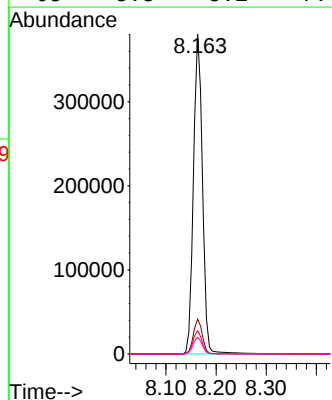
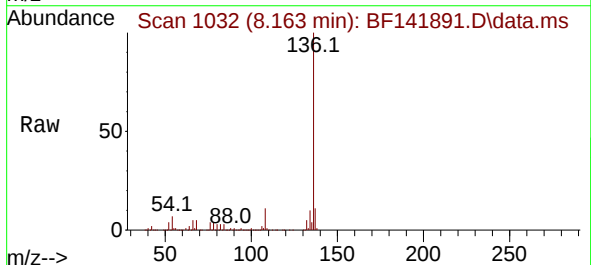
Instrument :
BNA_F
ClientSampleId :
OILY-DEBRIS-COMP

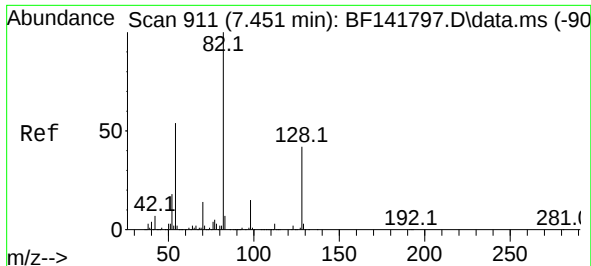
Tgt Ion: 99 Resp: 183883
Ion Ratio Lower Upper
99 100
42 17.8 15.2 22.8
71 36.2 28.2 42.2



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.163 min Scan# 1032
Delta R.T. -0.012 min
Lab File: BF141891.D
Acq: 07 Mar 2025 13:28

Tgt Ion:136 Resp: 475159
Ion Ratio Lower Upper
136 100
137 10.9 8.9 13.3
54 7.2 6.9 10.3
68 5.3 5.1 7.7





#23

Nitrobenzene-d5

Concen: 15.328 ng

RT: 7.440 min Scan# 909

Delta R.T. -0.012 min

Lab File: BF141891.D

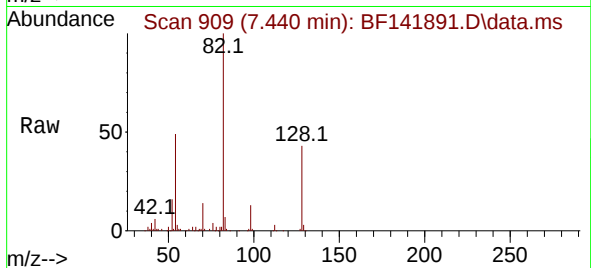
Acq: 07 Mar 2025 13:28

Instrument :

BNA_F

ClientSampleId :

OILY-DEBRIS-COMP



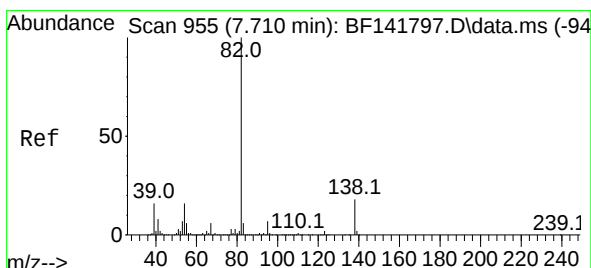
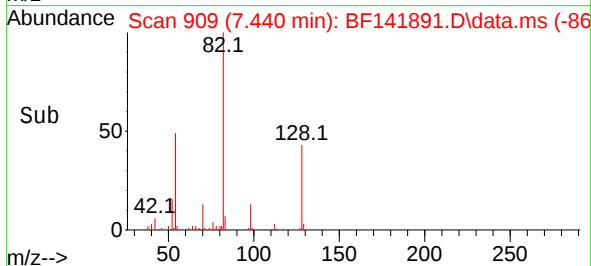
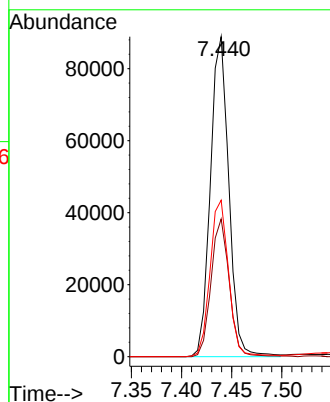
Tgt Ion: 82 Resp: 113945

Ion Ratio Lower Upper

82 100

128 43.1 33.5 50.3

54 48.9 42.7 64.1



#25

Isophorone

Concen: 7.052 ng

RT: 7.440 min Scan# 909

Delta R.T. -0.271 min

Lab File: BF141891.D

Acq: 07 Mar 2025 13:28

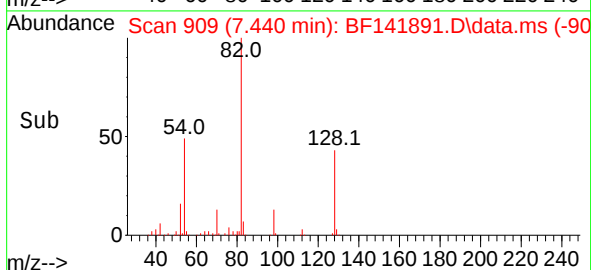
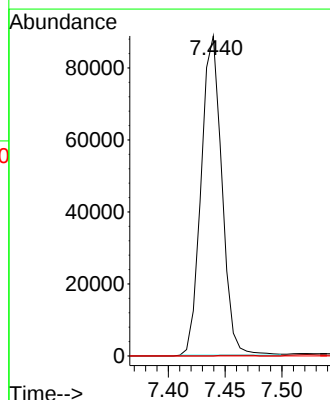
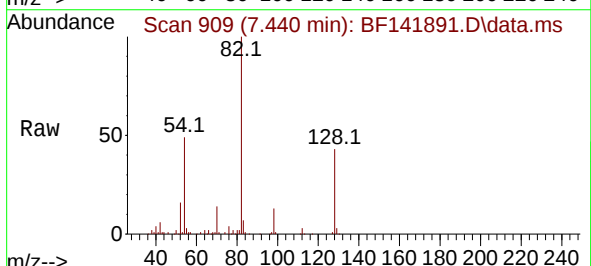
Tgt Ion: 82 Resp: 112621

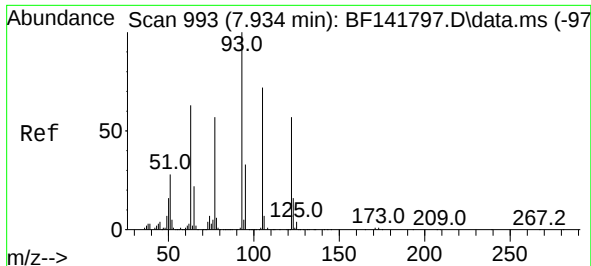
Ion Ratio Lower Upper

82 100

95 0.0 5.8 8.8#

138 0.0 14.0 21.0#





#32

Benzoic acid

Concen: 7.710 ng

RT: 7.851 min Scan# 91

Delta R.T. -0.083 min

Lab File: BF141891.D

Acq: 07 Mar 2025 13:28

Instrument :

BNA_F

ClientSampleId :

OILY-DEBRIS-COMP

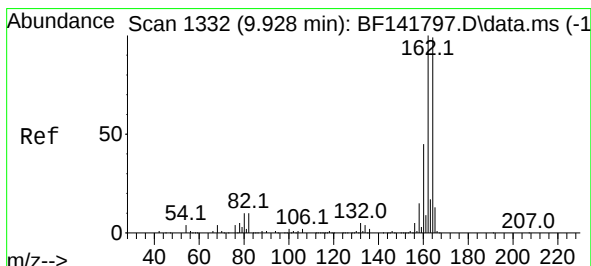
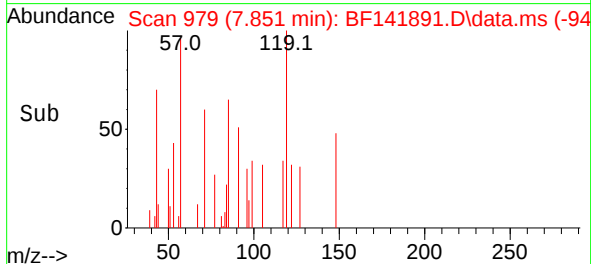
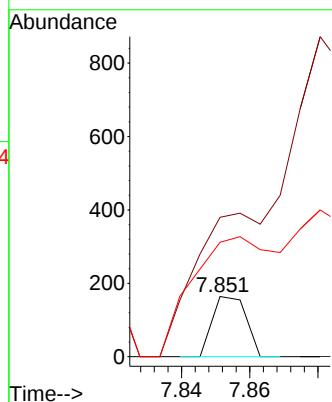
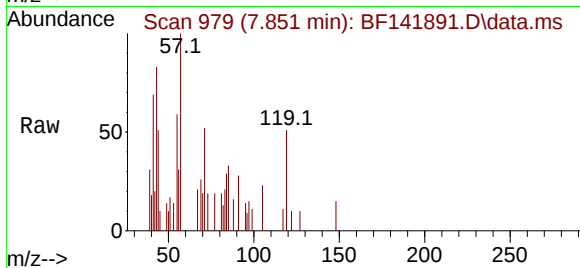
Tgt Ion:122 Resp: 113

Ion Ratio Lower Upper

122 100

105 231.7 105.8 145.8#

77 190.2 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: BF141891.D

Acq: 07 Mar 2025 13:28

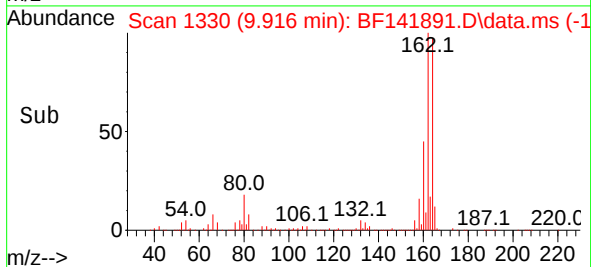
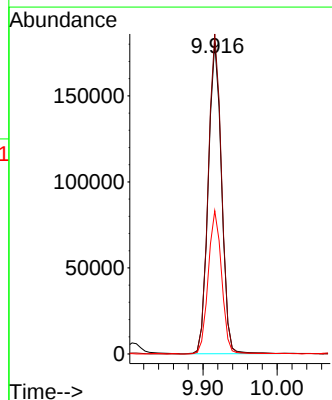
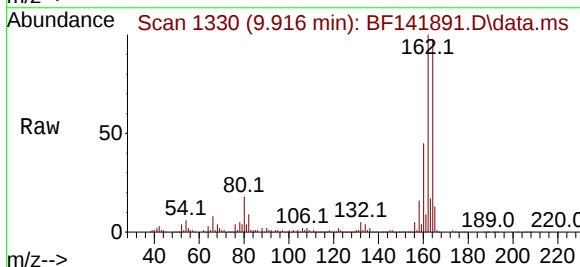
Tgt Ion:164 Resp: 224480

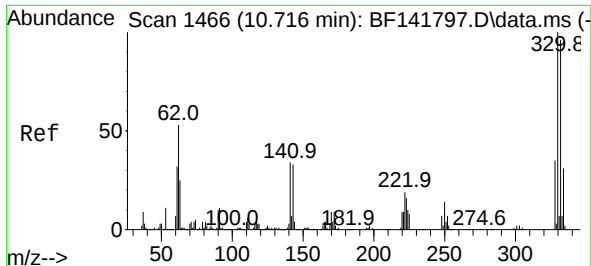
Ion Ratio Lower Upper

164 100

162 102.8 80.6 120.8

160 46.0 36.3 54.5





#42

2,4,6-Tribromophenol

Concen: 19.596 ng

RT: 10.698 min Scan# 1463

Delta R.T. -0.018 min

Lab File: BF141891.D

Acq: 07 Mar 2025 13:28

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OILY-DEBRIS-COMP

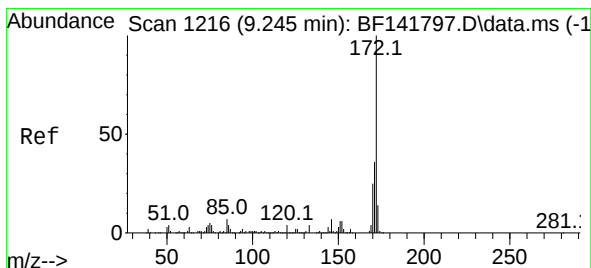
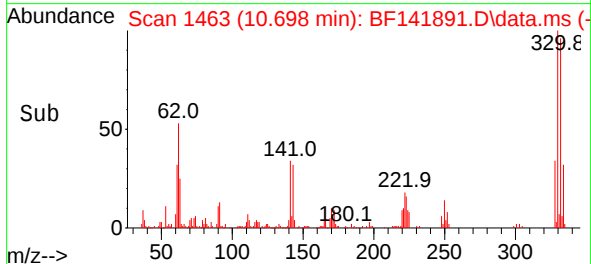
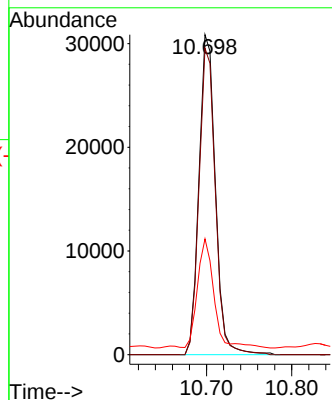
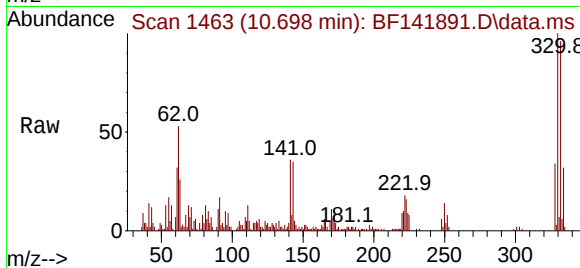
Tgt Ion:330 Resp: 41298

Ion Ratio Lower Upper

330 100

332 95.4 76.6 115.0

141 34.3 29.0 43.4



#45

2-Fluorobiphenyl

Concen: 15.493 ng

RT: 9.234 min Scan# 1214

Delta R.T. -0.012 min

Lab File: BF141891.D

Acq: 07 Mar 2025 13:28

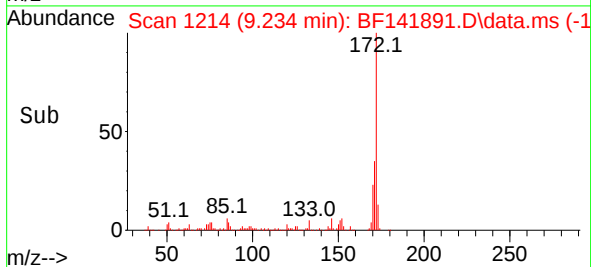
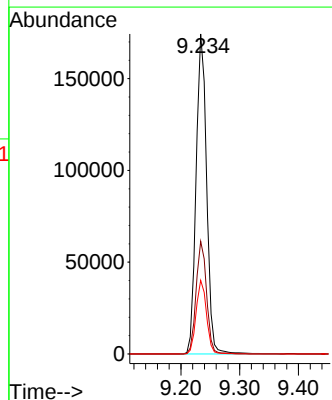
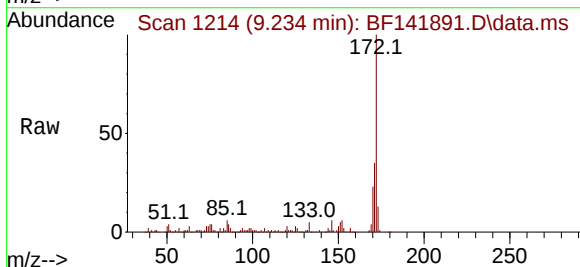
Tgt Ion:172 Resp: 216904

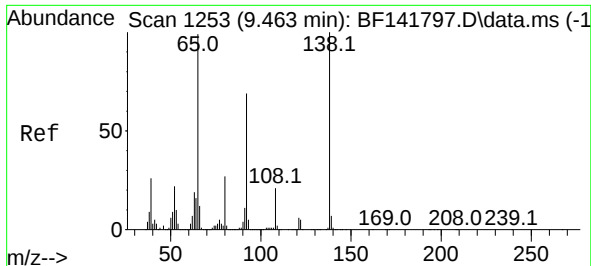
Ion Ratio Lower Upper

172 100

171 35.2 29.2 43.8

170 23.0 19.7 29.5

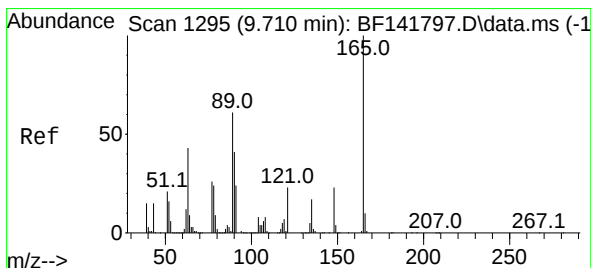
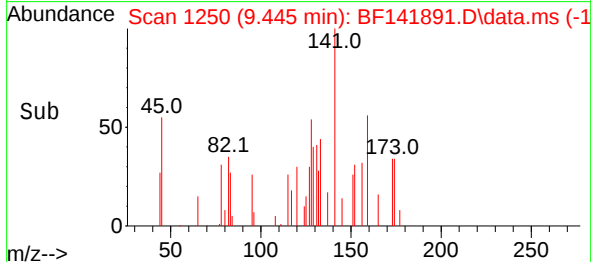
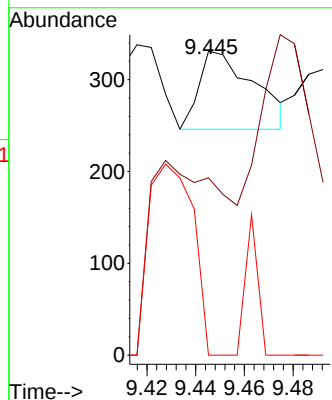
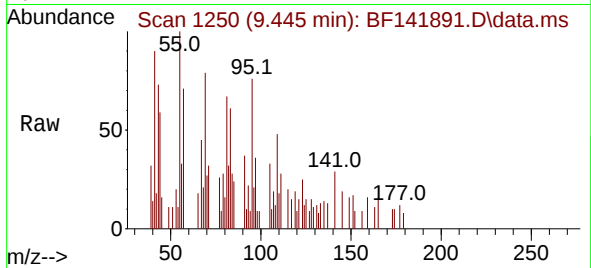




#48
2-Nitroaniline
Concen: 4.374 ng
RT: 9.445 min Scan# 11
Delta R.T. -0.018 min
Lab File: BF141891.D
Acq: 07 Mar 2025 13:28

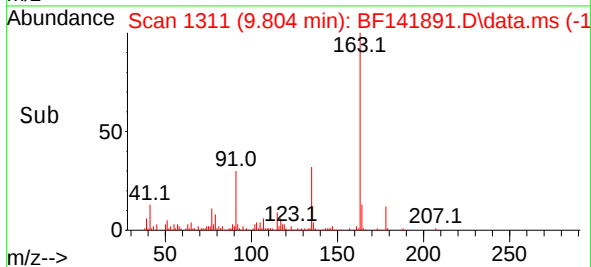
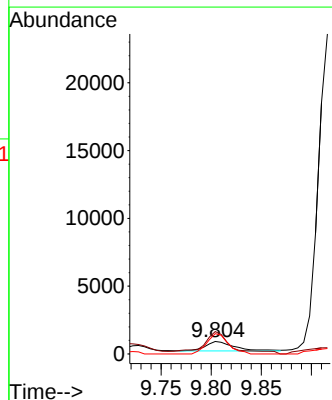
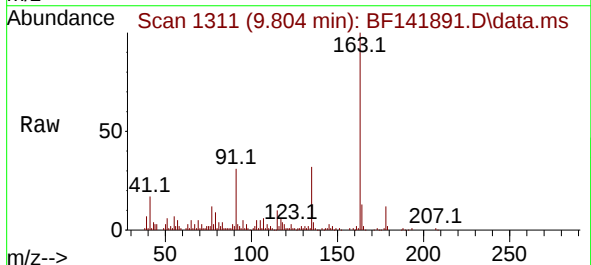
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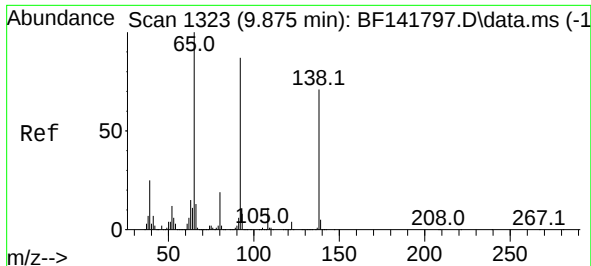
Tgt Ion: 65 Resp: 133
Ion Ratio Lower Upper
65 100
92 58.3 55.7 83.5
138 0.0 80.6 121.0#



#51
2,6-Dinitrotoluene
Concen: 3.290 ng
RT: 9.804 min Scan# 1311
Delta R.T. 0.094 min
Lab File: BF141891.D
Acq: 07 Mar 2025 13:28

Tgt Ion:165 Resp: 1409
Ion Ratio Lower Upper
165 100
63 180.7 49.5 74.3#
89 163.6 49.0 73.4#





#53

3-Nitroaniline

Concen: 3.145 ng

RT: 9.869 min Scan# 11

Delta R.T. -0.006 min

Lab File: BF141891.D

Acq: 07 Mar 2025 13:28

Instrument :

BNA_F

ClientSampleId :

OILY-DEBRIS-COMP

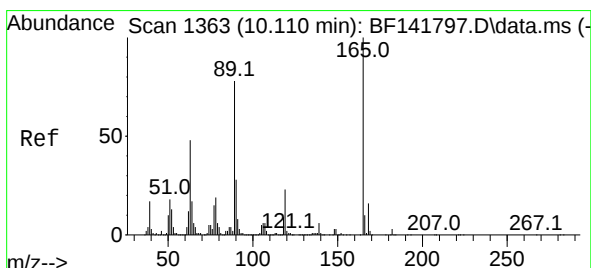
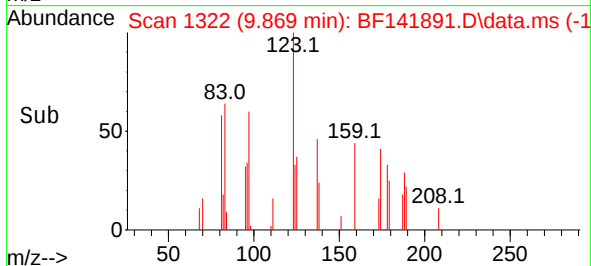
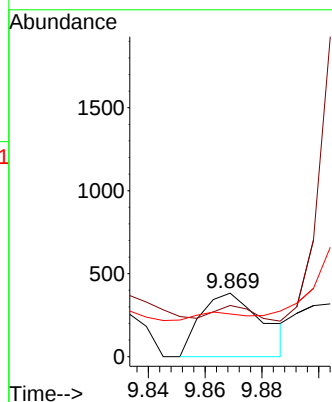
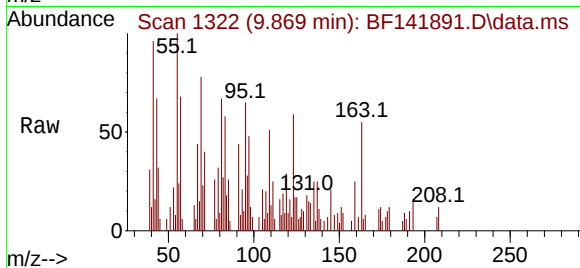
Tgt Ion:138 Resp: 582

Ion Ratio Lower Upper

138 100

108 80.4 12.7 19.1#

92 67.1 97.9 146.9#



#57

2,4-Dinitrotoluene

Concen: 11.373 ng

RT: 9.916 min Scan# 1330

Delta R.T. -0.194 min

Lab File: BF141891.D

Acq: 07 Mar 2025 13:28

Tgt Ion:165 Resp: 29753

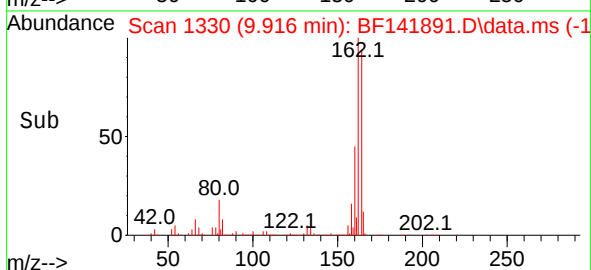
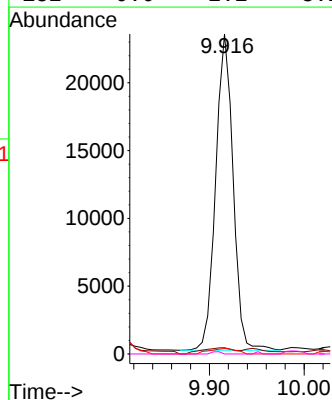
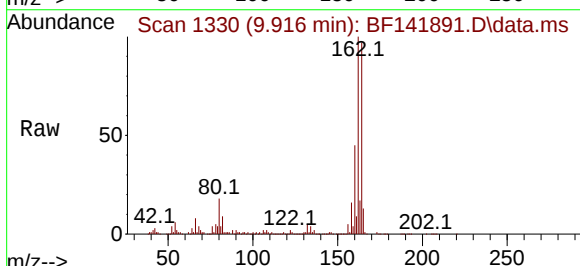
Ion Ratio Lower Upper

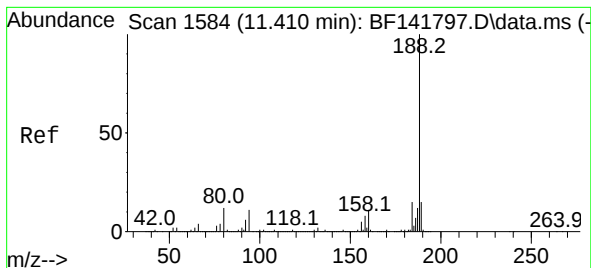
165 100

63 1.9 38.8 58.2#

89 1.7 62.6 94.0#

182 0.0 2.2 3.2#





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.398 min Scan# 1

Delta R.T. -0.012 min

Lab File: BF141891.D

Acq: 07 Mar 2025 13:28

Instrument :

BNA_F

ClientSampleId :

OILY-DEBRIS-COMP

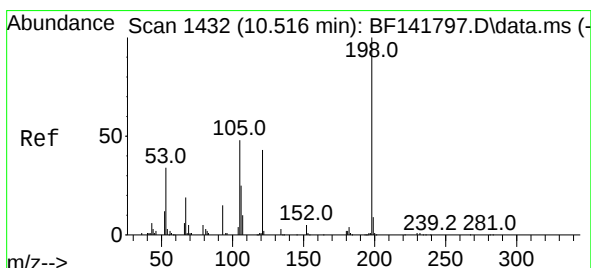
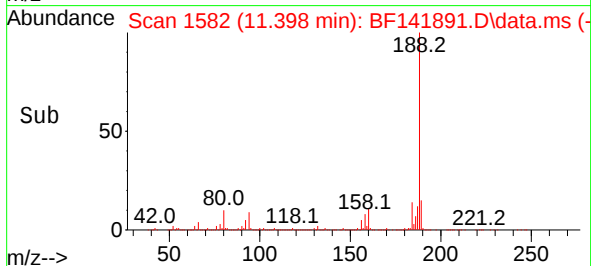
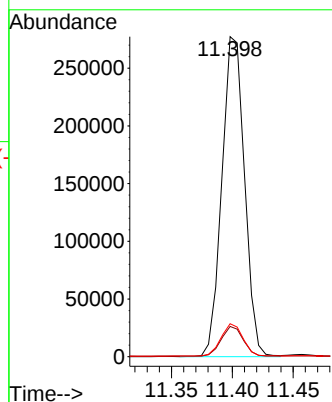
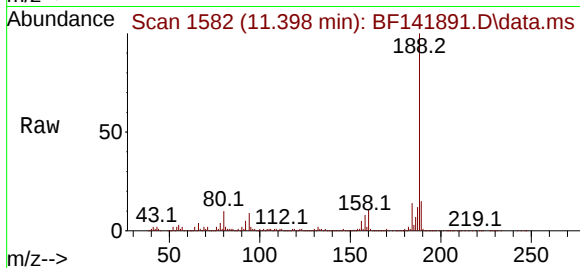
Tgt Ion:188 Resp: 359640

Ion Ratio Lower Upper

188 100

94 9.5 8.9 13.3

80 10.3 9.7 14.5



#65

4,6-Dinitro-2-methylphenol

Concen: 8.221 ng

RT: 10.698 min Scan# 1463

Delta R.T. 0.182 min

Lab File: BF141891.D

Acq: 07 Mar 2025 13:28

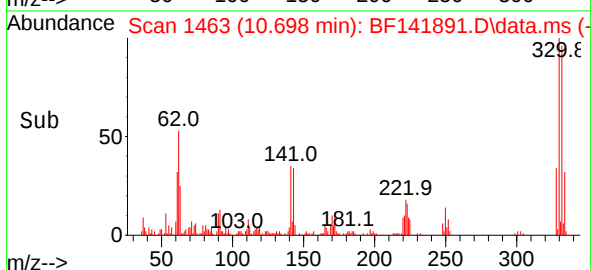
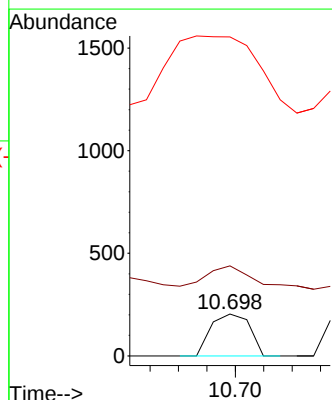
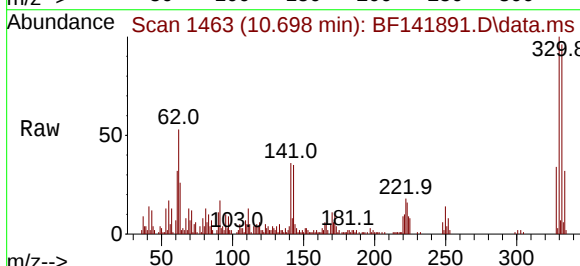
Tgt Ion:198 Resp: 193

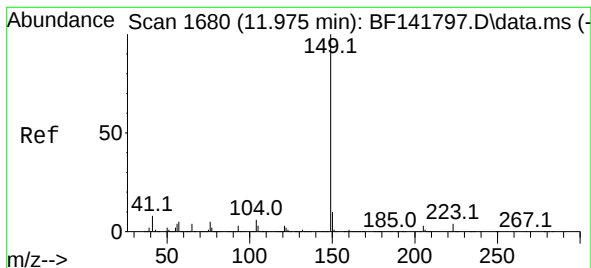
Ion Ratio Lower Upper

198 100

51 215.2 32.1 72.1#

105 761.8 28.5 68.5#





#74

Di-n-butylphthalate

Concen: 5.142 ng

RT: 11.963 min Scan# 1

Delta R.T. -0.012 min

Lab File: BF141891.D

Acq: 07 Mar 2025 13:28

Instrument :

BNA_F

ClientSampleId :

OILY-DEBRIS-COMP

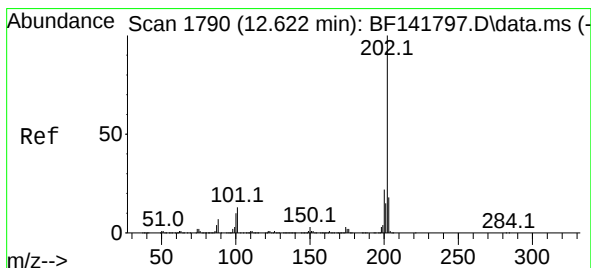
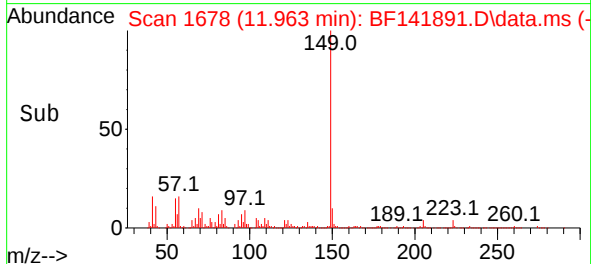
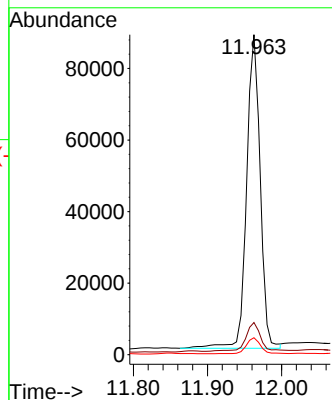
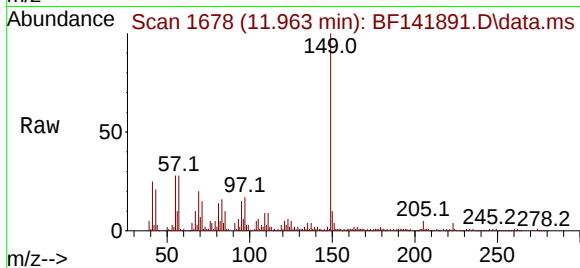
Tgt Ion:149 Resp: 110967

Ion Ratio Lower Upper

149 100

150 10.1 7.7 11.5

104 5.3 4.4 6.6



#75

Fluoranthene

Concen: 5.919 ng

RT: 12.616 min Scan# 1789

Delta R.T. -0.006 min

Lab File: BF141891.D

Acq: 07 Mar 2025 13:28

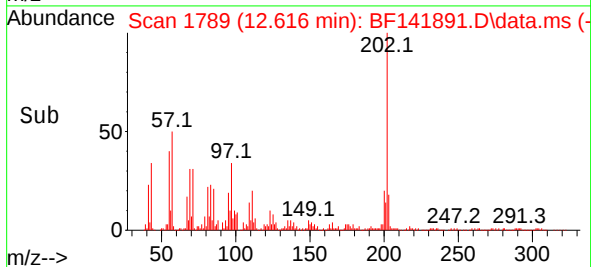
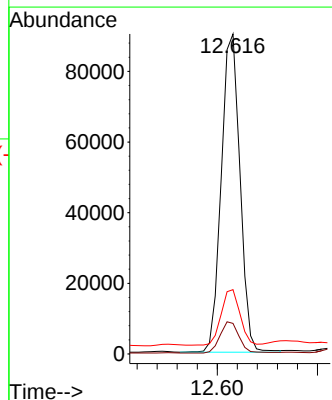
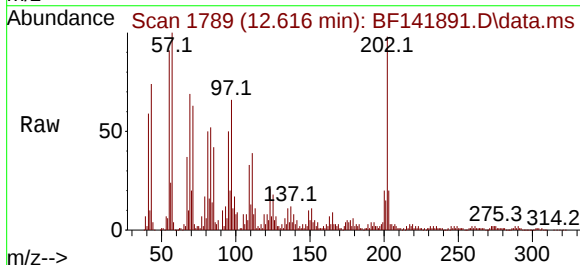
Tgt Ion:202 Resp: 116675

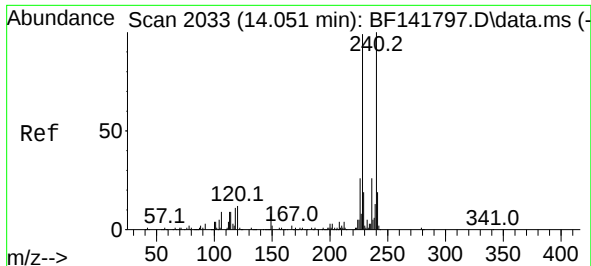
Ion Ratio Lower Upper

202 100

101 9.6 0.0 32.8

203 20.1 0.0 38.0

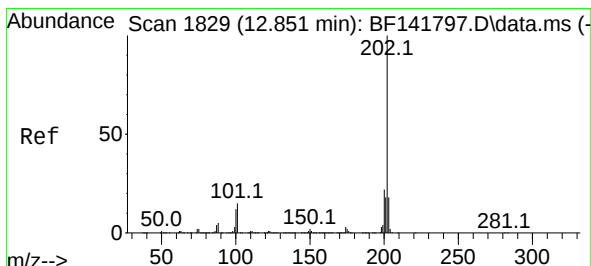
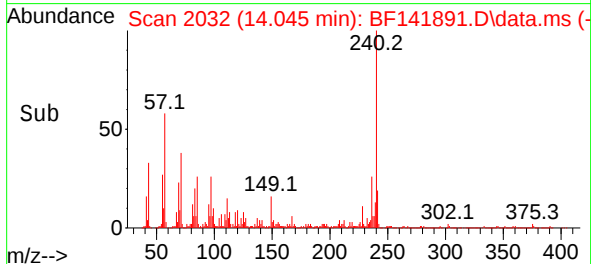
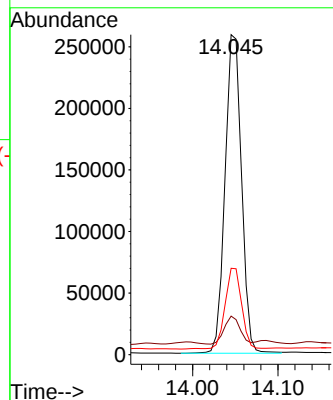
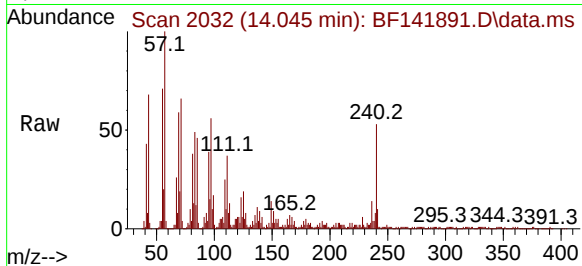




#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.045 min Scan# 2033
Delta R.T. -0.006 min
Lab File: BF141891.D
Acq: 07 Mar 2025 13:28

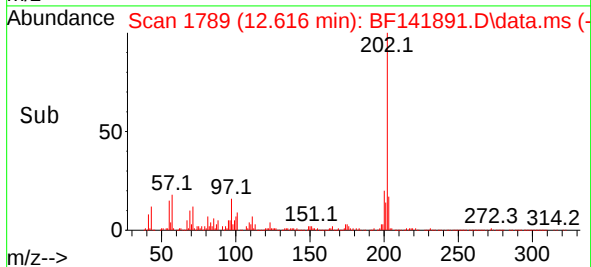
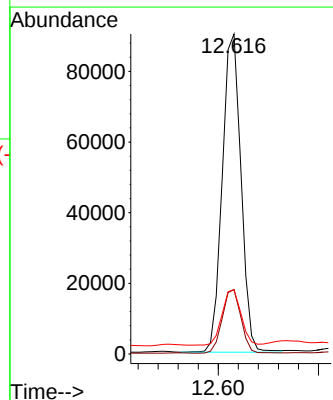
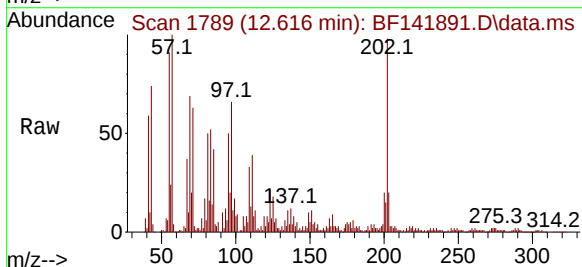
Instrument :
BNA_F
ClientSampleId :
OILY-DEBRIS-COMP

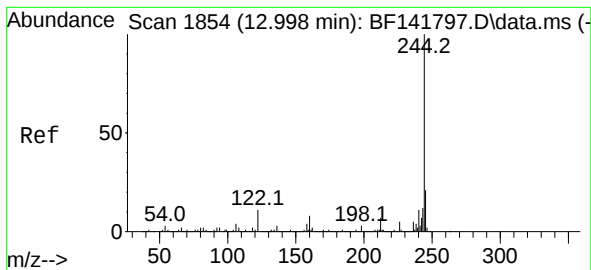
Tgt Ion:240 Resp: 347689
Ion Ratio Lower Upper
240 100
120 12.1 9.7 14.5
236 27.0 21.0 31.4



#78
Pyrene
Concen: 3.875 ng
RT: 12.616 min Scan# 1789
Delta R.T. -0.235 min
Lab File: BF141891.D
Acq: 07 Mar 2025 13:28

Tgt Ion:202 Resp: 116675
Ion Ratio Lower Upper
202 100
200 20.1 17.4 26.0
203 20.1 14.6 22.0





#79

Terphenyl-d14

Concen: 10.704 ng

RT: 12.986 min Scan# 1852

Delta R.T. -0.012 min

Lab File: BF141891.D

Acq: 07 Mar 2025 13:28

Instrument :

BNA_F

ClientSampleId :

OILY-DEBRIS-COMP

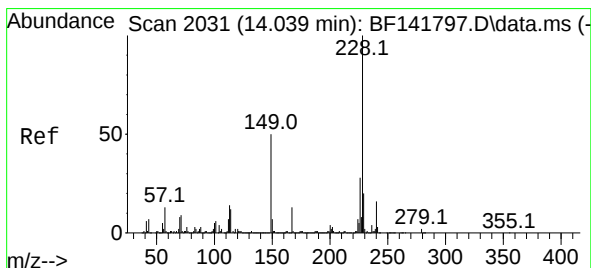
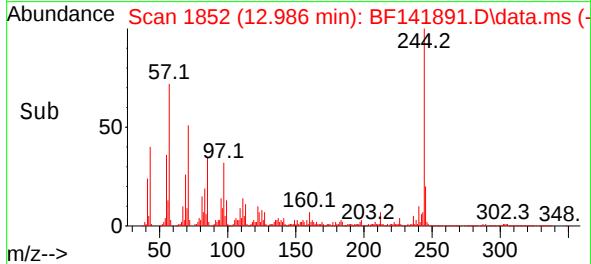
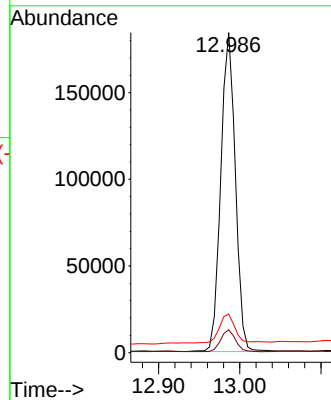
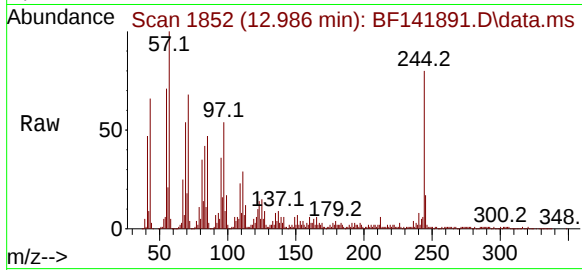
Tgt Ion:244 Resp: 230030

Ion Ratio Lower Upper

244 100

212 7.1 6.0 9.0

122 12.0 9.0 13.6



#81

Benzo(a)anthracene

Concen: 2.450 ng

RT: 14.039 min Scan# 2031

Delta R.T. -0.000 min

Lab File: BF141891.D

Acq: 07 Mar 2025 13:28

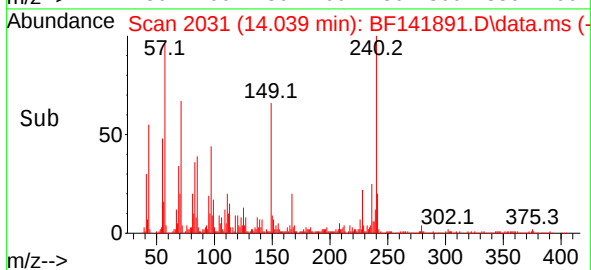
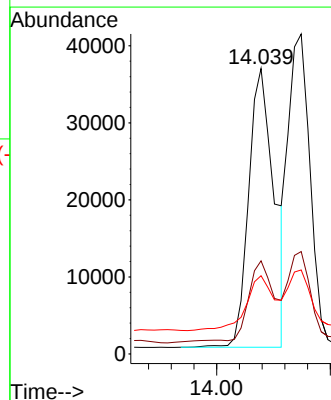
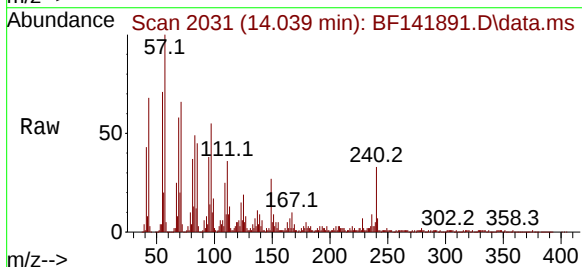
Tgt Ion:228 Resp: 56265

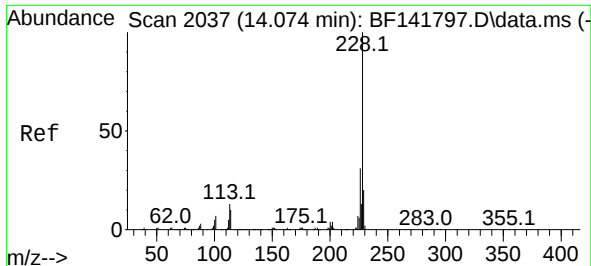
Ion Ratio Lower Upper

228 100

226 32.7 22.1 33.1

229 27.4 16.1 24.1#





#83

Chrysene

Concen: 2.549 ng

RT: 14.074 min Scan# 2037

Delta R.T. -0.000 min

Lab File: BF141891.D

Acq: 07 Mar 2025 13:28

Instrument :

BNA_F

ClientSampleId :

OILY-DEBRIS-COMP

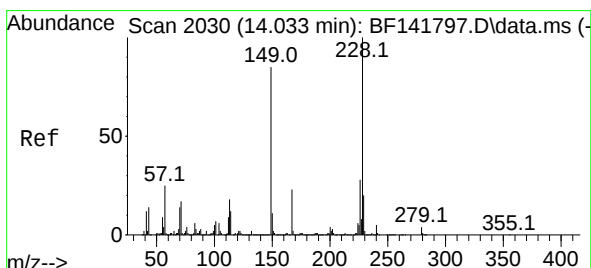
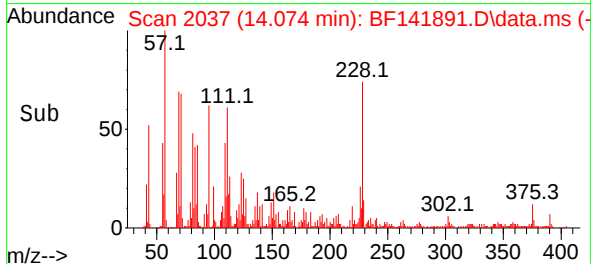
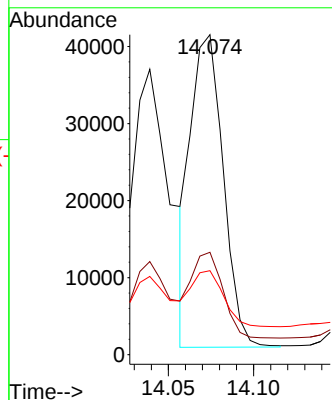
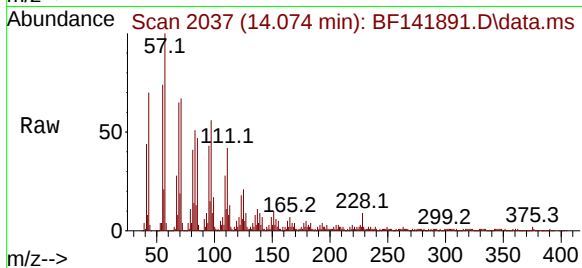
Tgt Ion:228 Resp: 53953

Ion Ratio Lower Upper

228 100

226 32.0 24.6 37.0

229 26.2 16.1 24.1#



#84

Bis(2-ethylhexyl)phthalate

Concen: 16.176 ng

RT: 14.033 min Scan# 2030

Delta R.T. -0.000 min

Lab File: BF141891.D

Acq: 07 Mar 2025 13:28

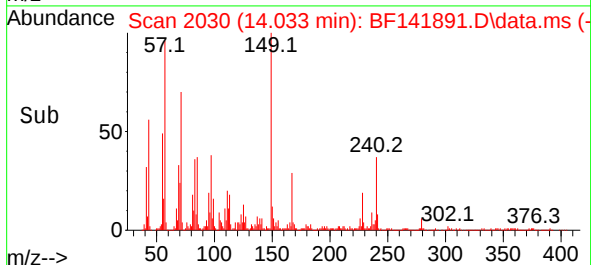
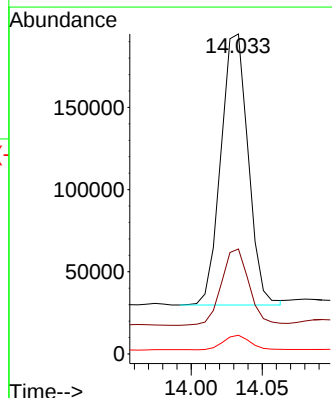
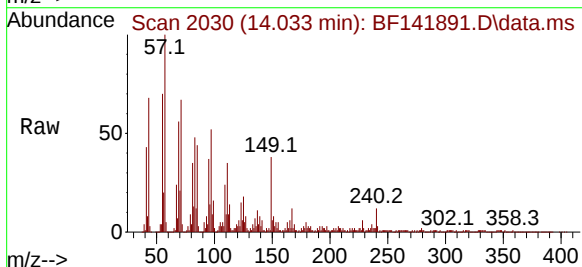
Tgt Ion:149 Resp: 220324

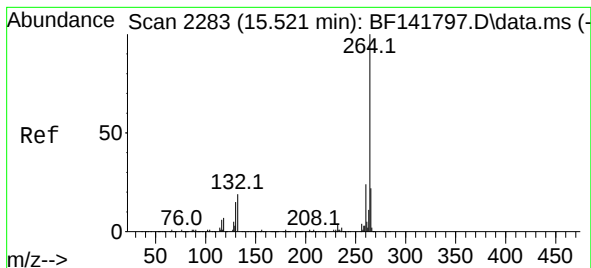
Ion Ratio Lower Upper

149 100

167 32.8 21.2 31.8#

279 5.8 3.3 4.9#





#86

Perylene-d12

Concen: 20.000 ng

RT: 15.539 min Scan# 2283

Delta R.T. 0.018 min

Lab File: BF141891.D

Acq: 07 Mar 2025 13:28

Instrument :

BNA_F

ClientSampleId :

OILY-DEBRIS-COMP

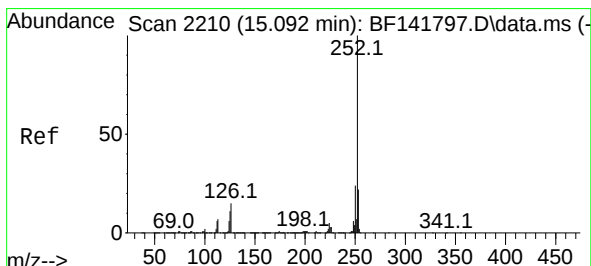
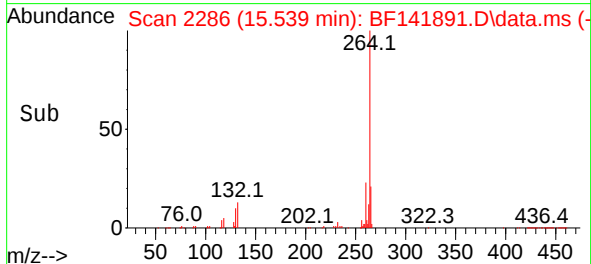
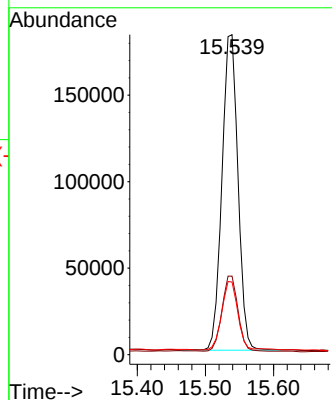
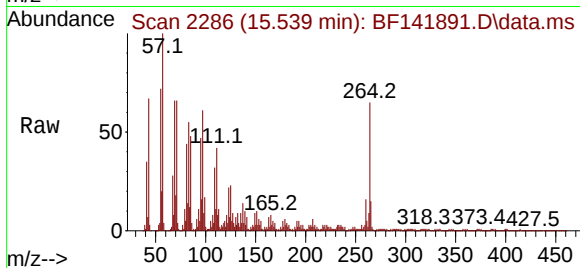
Tgt Ion:264 Resp: 297803

Ion Ratio Lower Upper

264 100

260 24.6 18.9 28.3

265 22.7 17.4 26.0



#88

Benzo(b)fluoranthene

Concen: 5.234 ng

RT: 15.098 min Scan# 2211

Delta R.T. 0.006 min

Lab File: BF141891.D

Acq: 07 Mar 2025 13:28

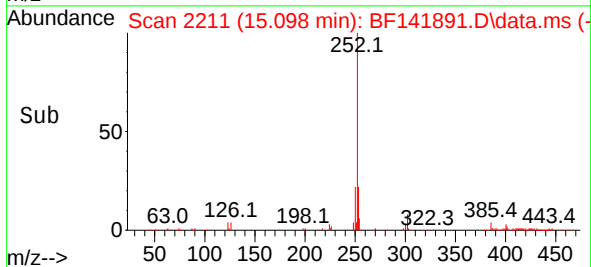
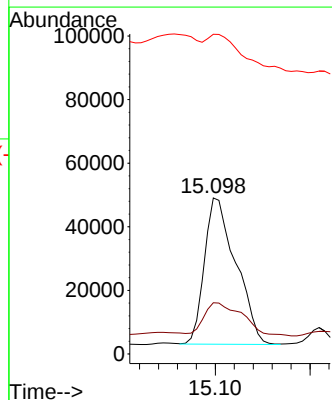
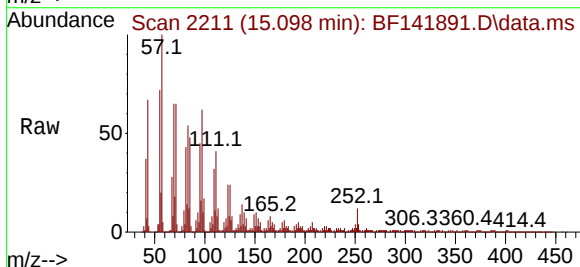
Tgt Ion:252 Resp: 106182

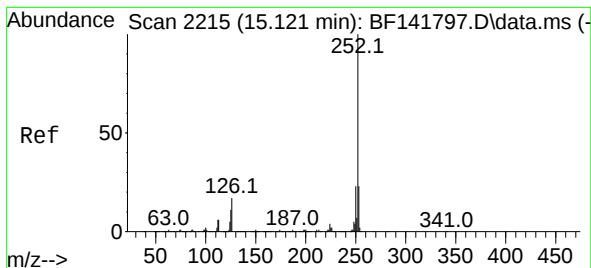
Ion Ratio Lower Upper

252 100

253 32.8 17.7 26.5#

125 204.9 8.6 13.0#





#89

Benzo(k)fluoranthene

Concen: 6.158 ng

RT: 15.098 min Scan# 2211

Delta R.T. -0.024 min

Lab File: BF141891.D

Acq: 07 Mar 2025 13:28

Instrument :

BNA_F

ClientSampleId :

OILY-DEBRIS-COMP

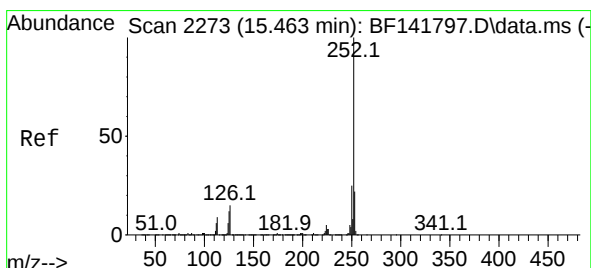
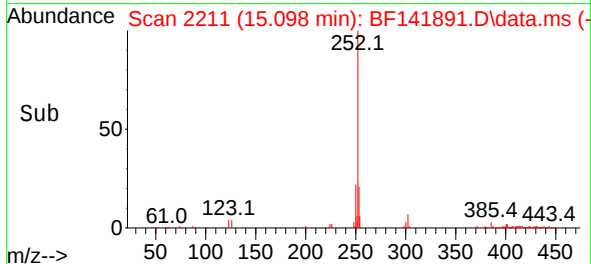
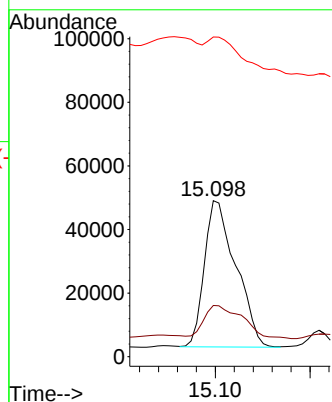
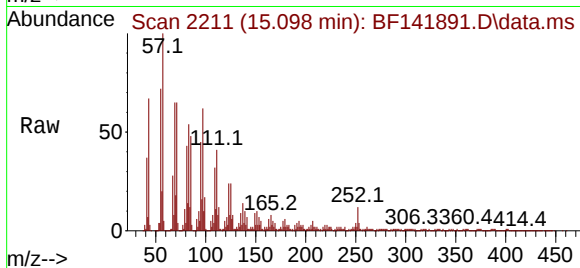
Tgt Ion:252 Resp: 106182

Ion Ratio Lower Upper

252 100

253 32.8 17.8 26.8#

125 204.9 8.8 13.2#



#90

Benzo(a)pyrene

Concen: 2.630 ng

RT: 15.468 min Scan# 2274

Delta R.T. 0.006 min

Lab File: BF141891.D

Acq: 07 Mar 2025 13:28

Tgt Ion:252 Resp: 42779

Ion Ratio Lower Upper

252 100

253 33.6 17.5 26.3#

125 259.5 9.4 14.2#

