

Data Path : Z:\svoasrv\HPCHEM1\BNA_E\Data\BE110724\
 Data File : BE101534.D
 Acq On : 7 Nov 2024 16:54
 Operator : RC/JU
 Sample : P4711-06DL 10X
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 CF-613-COMP-17DL

Quant Time: Nov 07 16:58:16 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_E\Methods\8270-BE110624.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Nov 07 00:01:20 2024
 Response via : Initial Calibration

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

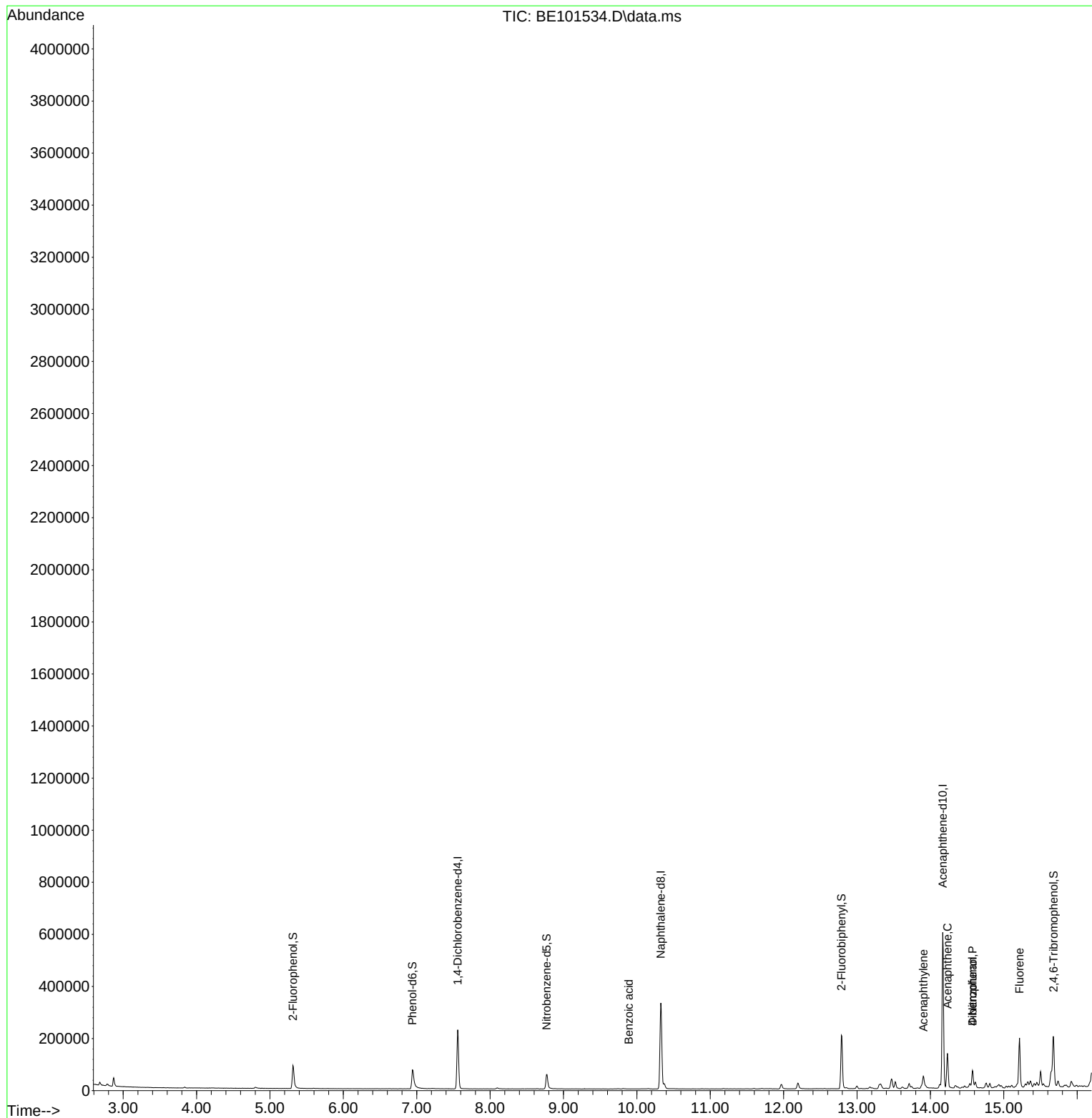
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.559	152	65686	20.000	ng	0.00
21) Naphthalene-d8	10.326	136	304849	20.000	ng	0.00
39) Acenaphthene-d10	14.169	164	203453	20.000	ng	0.00
64) Phenanthrene-d10	16.907	188	447469	20.000	ng	0.00
76) Chrysene-d12	21.072	240	473017	20.000	ng	0.00
86) Perylene-d12	23.358	264	620522	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.314	112	50699	13.647	ng	0.00
7) Phenol-d6	6.942	99	66968	13.148	ng	0.00
23) Nitrobenzene-d5	8.769	82	39264	8.136	ng	0.00
42) 2,4,6-Tribromophenol	15.679	330	47113	12.306	ng	0.00
45) 2-Fluorobiphenyl	12.788	172	117782	9.453	ng	-0.01
79) Terphenyl-d14	19.498	244	235065	11.000	ng	0.00
Target Compounds						Qvalue
32) Benzoic acid	9.891	122	53	6.849	ng	# 56
49) Acenaphthylene	13.904	152	47345	2.870	ng	99
52) Acenaphthene	14.233	154	45636	4.336	ng	98
55) Dibenzofuran	14.574	168	46388	2.737	ng	98
56) 4-Nitrophenol	14.574	139	17056	6.363	ng	# 17
58) Fluorene	15.214	166	82369	5.823	ng	95
71) Phenanthrene	16.953	178	1243943	57.157	ng	100
72) Anthracene	17.036	178	350066	16.288	ng	98
73) Carbazole	17.365	167	44354	2.058	ng	98
75) Fluoranthene	18.963	202	2080746	74.568	ng	98
78) Pyrene	19.327	202	1787674	66.422	ng	98
81) Benzo(a)anthracene	21.055	228	1125386	40.060	ng	100
83) Chrysene	21.107	228	955066	35.767	ng	98
87) Indeno(1,2,3-cd)pyrene	25.679	276	751130	17.615	ng	97
88) Benzo(b)fluoranthene	22.653	252	1245683	36.590	ng	98
89) Benzo(k)fluoranthene	22.653	252	1245683	40.307	ng	99
90) Benzo(a)pyrene	23.252	252	1037703	35.306	ng	99
91) Dibenzo(a,h)anthracene	25.925	278	159668	4.496	ng	95
92) Benzo(g,h,i)perylene	26.431	276	702021	19.457	ng	97

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

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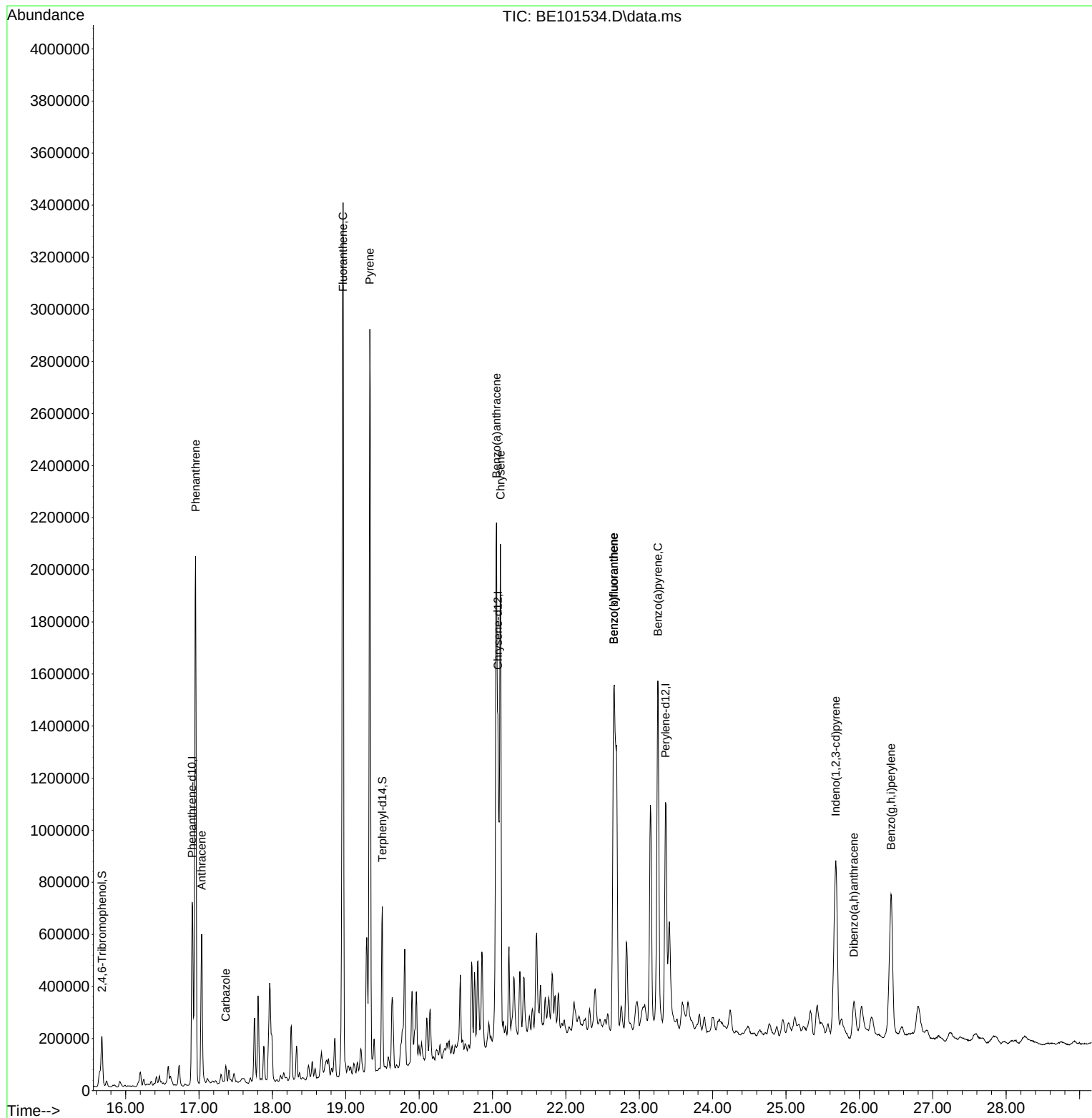
Quant Time: Nov 07 16:58:16 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_E\Methods\8270-BE110624.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Nov 07 00:01:20 2024
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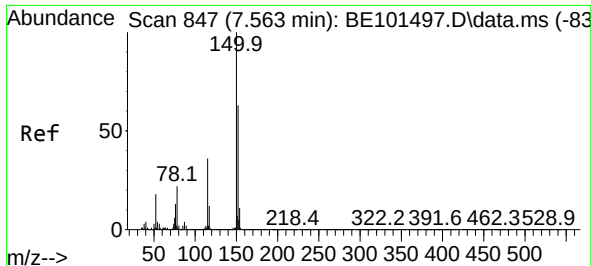


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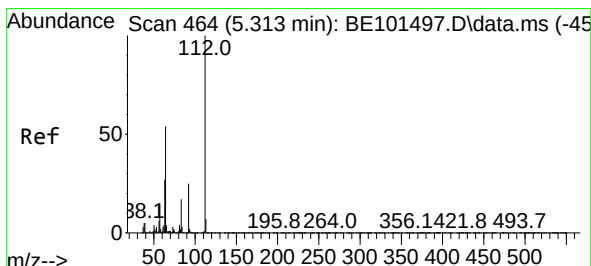
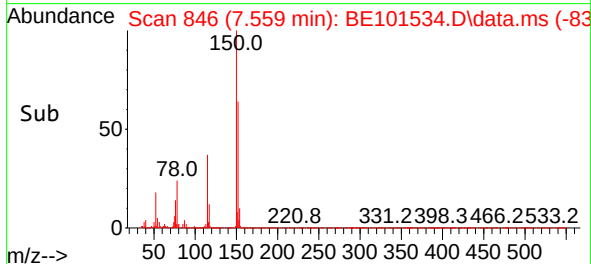
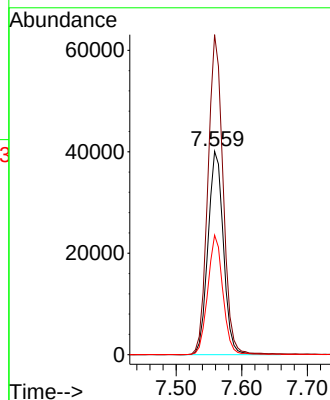
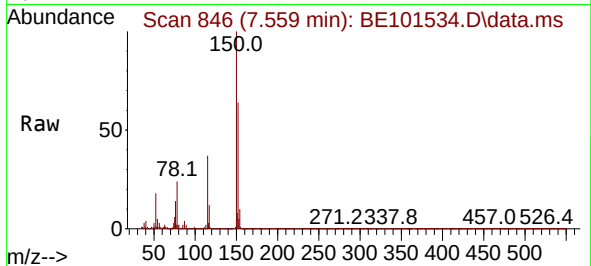




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.559 min Scan# 84
Delta R.T. -0.004 min
Lab File: BE101534.D
Acq: 7 Nov 2024 16:54

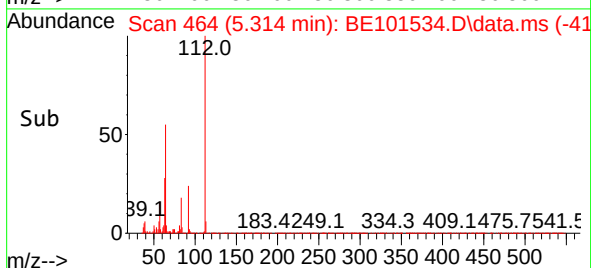
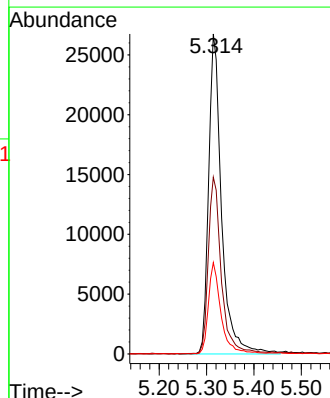
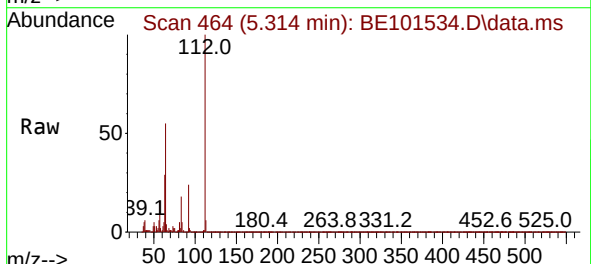
Instrument :
BNA_E
ClientSampleId :
CF-613-COMP-17DL

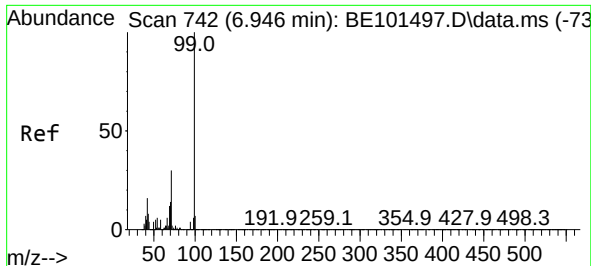
Tgt Ion:152 Resp: 65686
Ion Ratio Lower Upper
152 100
150 157.3 126.3 189.5
115 58.8 45.0 67.4



#5
2-Fluorophenol
Concen: 13.647 ng
RT: 5.314 min Scan# 464
Delta R.T. 0.001 min
Lab File: BE101534.D
Acq: 7 Nov 2024 16:54

Tgt Ion:112 Resp: 50699
Ion Ratio Lower Upper
112 100
64 55.3 43.2 64.8
63 28.5 21.8 32.6

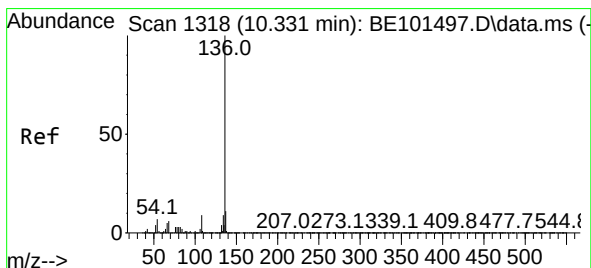
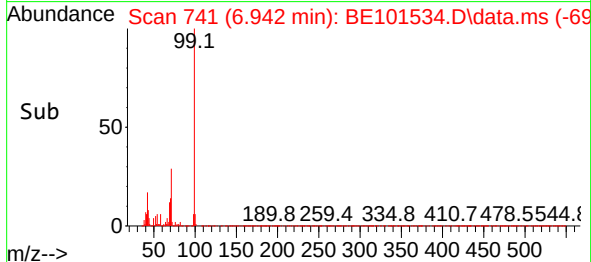
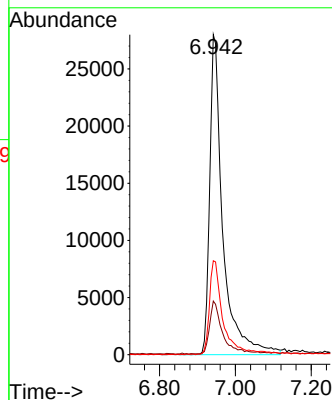
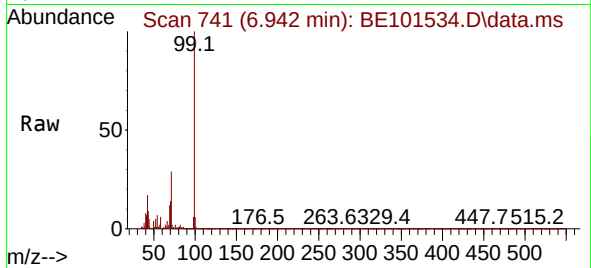




#7
Phenol-d6
Concen: 13.148 ng
RT: 6.942 min Scan# 741
Delta R.T. -0.005 min
Lab File: BE101534.D
Acq: 7 Nov 2024 16:54

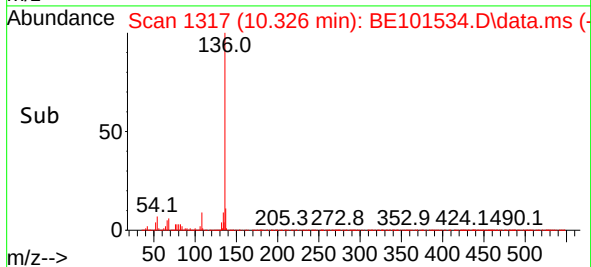
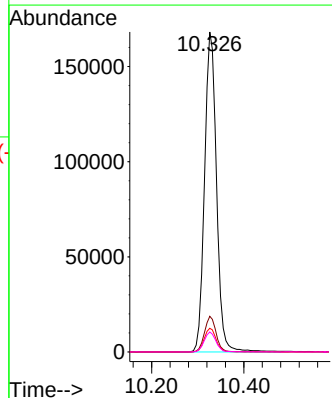
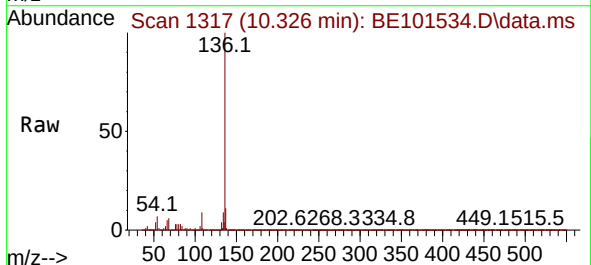
Instrument :
BNA_E
ClientSampleId :
CF-613-COMP-17DL

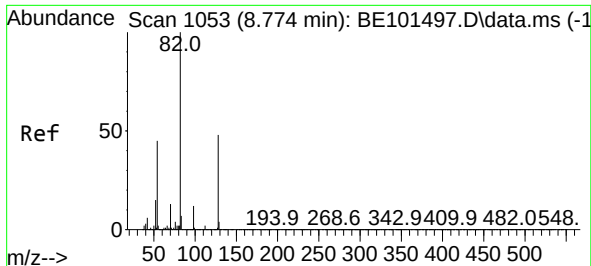
Tgt Ion: 99 Resp: 66968
Ion Ratio Lower Upper
99 100
42 16.8 12.5 18.7
71 29.4 24.2 36.2



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.326 min Scan# 1317
Delta R.T. -0.005 min
Lab File: BE101534.D
Acq: 7 Nov 2024 16:54

Tgt Ion: 136 Resp: 304849
Ion Ratio Lower Upper
136 100
137 11.2 8.6 13.0
54 7.4 5.6 8.4
68 6.3 4.8 7.2

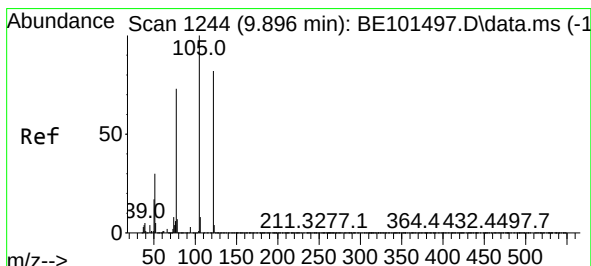
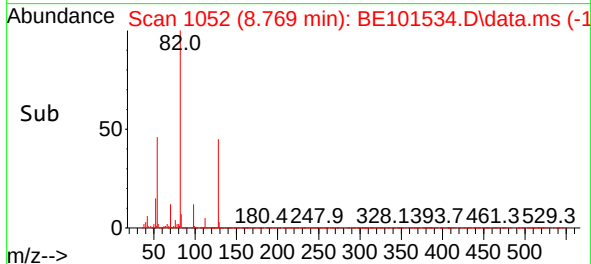
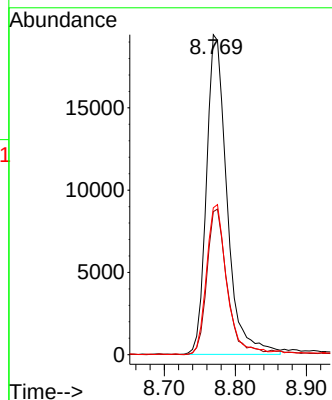
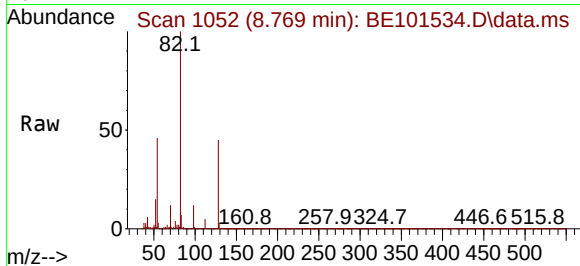




#23
Nitrobenzene-d5
Concen: 8.136 ng
RT: 8.769 min Scan# 1052
Delta R.T. -0.005 min
Lab File: BE101534.D
Acq: 7 Nov 2024 16:54

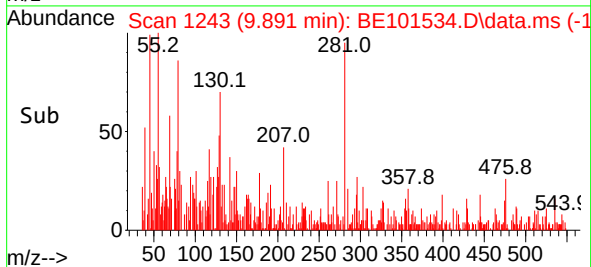
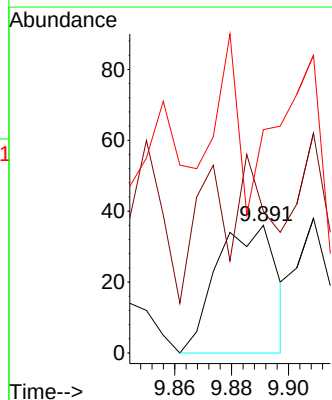
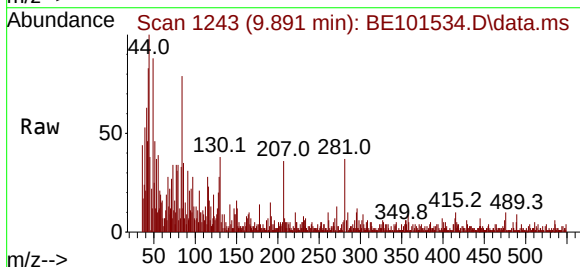
Instrument :
BNA_E
ClientSampleId :
CF-613-COMP-17DL

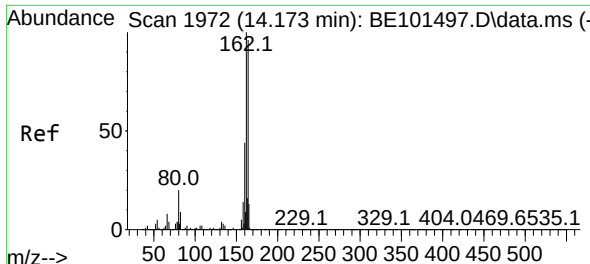
Tgt Ion: 82 Resp: 39264
Ion Ratio Lower Upper
82 100
128 44.7 38.6 58.0
54 45.9 36.3 54.5



#32
Benzoic acid
Concen: 6.849 ng
RT: 9.891 min Scan# 1243
Delta R.T. -0.005 min
Lab File: BE101534.D
Acq: 7 Nov 2024 16:54

Tgt Ion: 122 Resp: 53
Ion Ratio Lower Upper
122 100
105 111.1 100.6 140.6
77 175.0 68.6 108.6

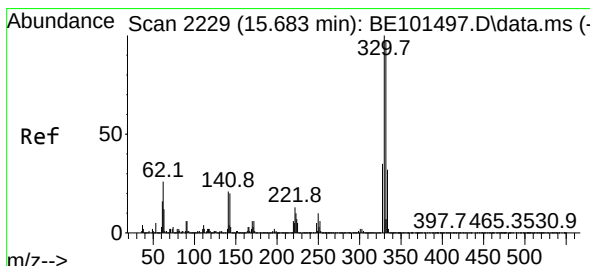
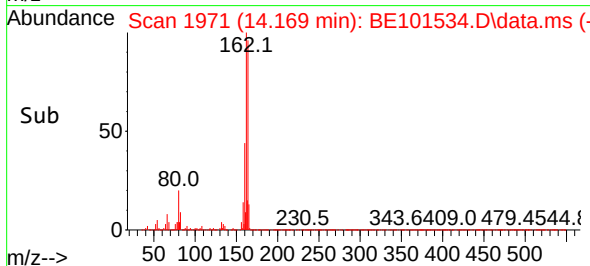
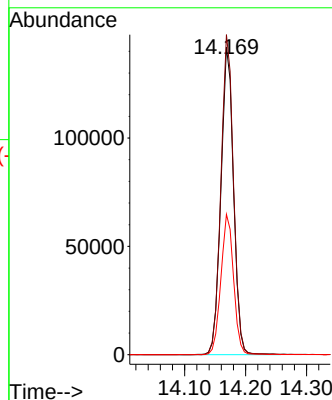
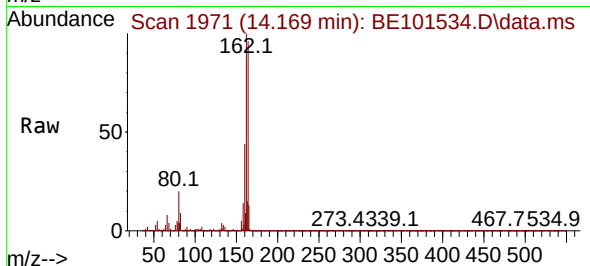




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.169 min Scan# 1972
Delta R.T. -0.005 min
Lab File: BE101534.D
Acq: 7 Nov 2024 16:54

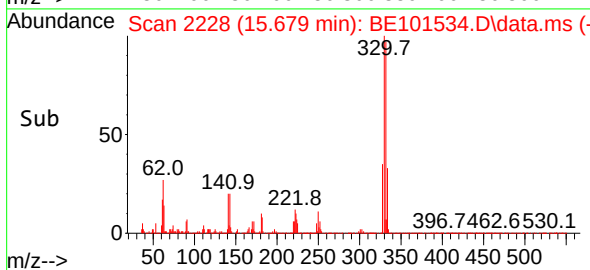
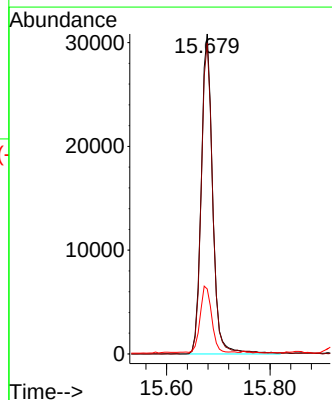
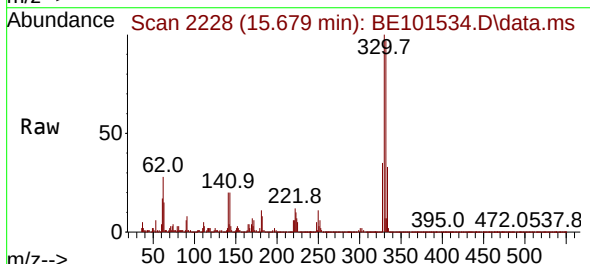
Instrument :
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ClientSampleId :
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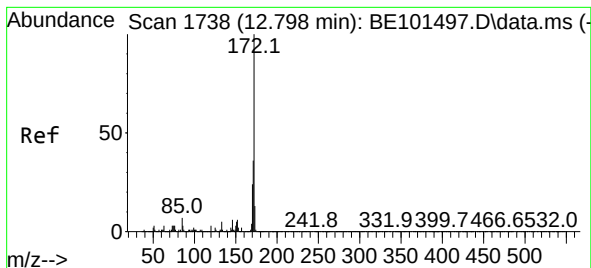
Tgt Ion:164 Resp: 203453
Ion Ratio Lower Upper
164 100
162 104.1 83.7 125.5
160 45.6 37.1 55.7



#42
2,4,6-Tribromophenol
Concen: 12.306 ng
RT: 15.679 min Scan# 2228
Delta R.T. -0.005 min
Lab File: BE101534.D
Acq: 7 Nov 2024 16:54

Tgt Ion:330 Resp: 47113
Ion Ratio Lower Upper
330 100
332 97.1 77.7 116.5
141 20.7 17.0 25.4





#45

2-Fluorobiphenyl

Concen: 9.453 ng

RT: 12.788 min Scan# 11

Delta R.T. -0.011 min

Lab File: BE101534.D

Acq: 7 Nov 2024 16:54

Instrument :

BNA_E

ClientSampleId :

CF-613-COMP-17DL

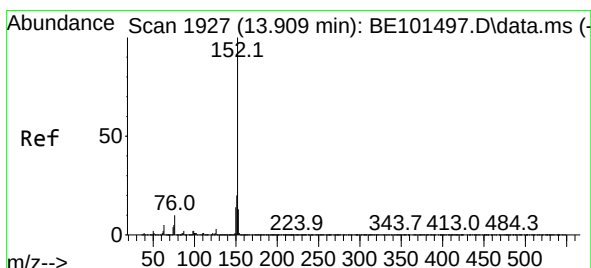
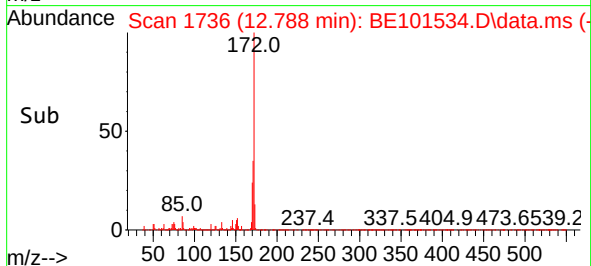
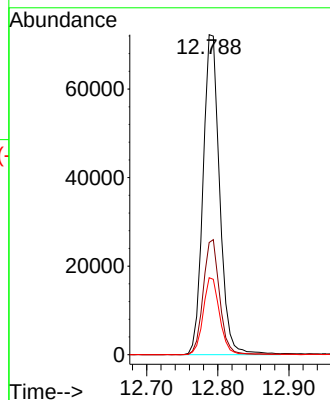
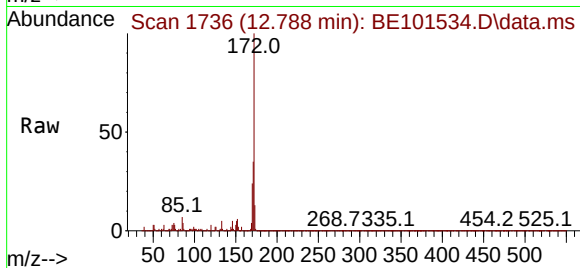
Tgt Ion:172 Resp: 117782

Ion Ratio Lower Upper

172 100

171 35.1 28.6 43.0

170 24.0 18.9 28.3



#49

Acenaphthylene

Concen: 2.870 ng

RT: 13.904 min Scan# 1926

Delta R.T. -0.005 min

Lab File: BE101534.D

Acq: 7 Nov 2024 16:54

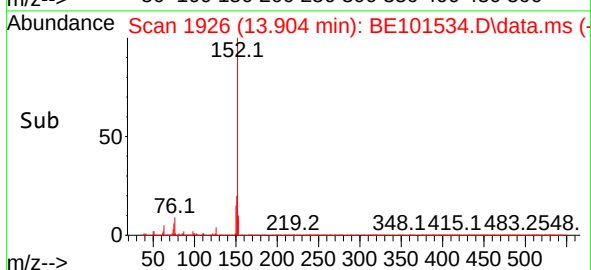
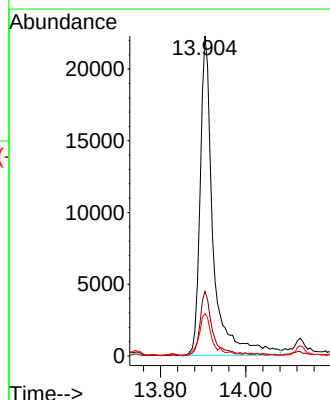
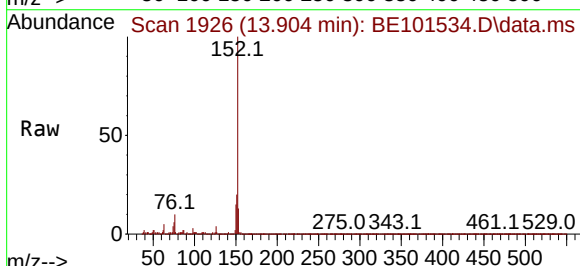
Tgt Ion:152 Resp: 47345

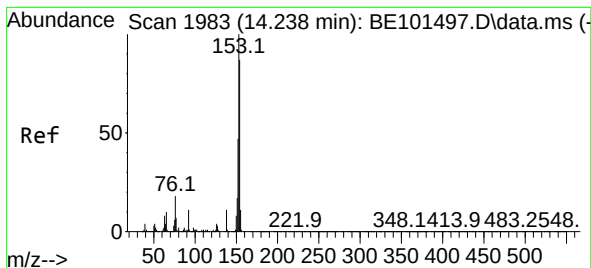
Ion Ratio Lower Upper

152 100

151 20.1 15.6 23.4

153 13.2 10.3 15.5





#52

Acenaphthene

Concen: 4.336 ng

RT: 14.233 min Scan# 1983

Delta R.T. -0.005 min

Lab File: BE101534.D

Acq: 7 Nov 2024 16:54

Instrument :

BNA_E

ClientSampleId :

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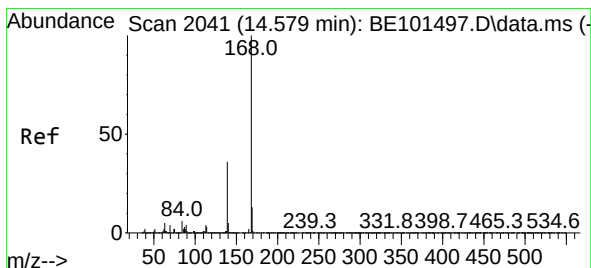
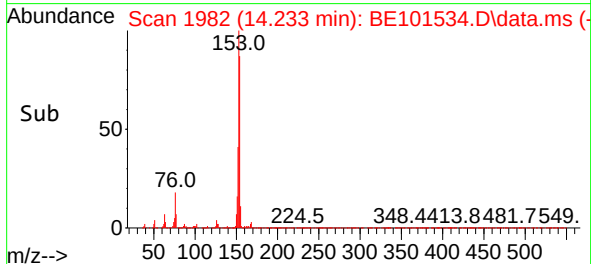
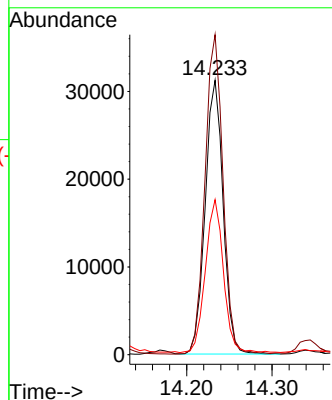
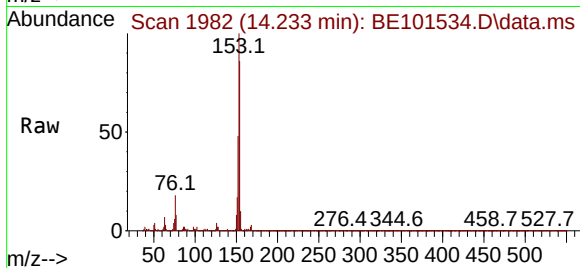
Tgt Ion:154 Resp: 45636

Ion Ratio Lower Upper

154 100

153 116.6 92.3 138.5

152 56.5 43.6 65.4



#55

Dibenzofuran

Concen: 2.737 ng

RT: 14.574 min Scan# 2040

Delta R.T. -0.005 min

Lab File: BE101534.D

Acq: 7 Nov 2024 16:54

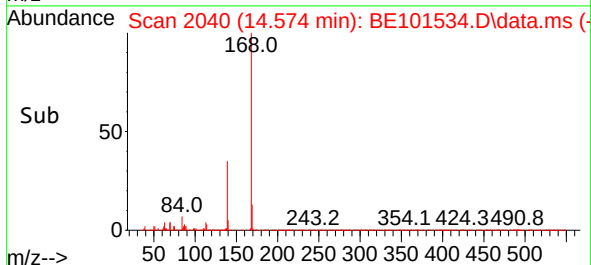
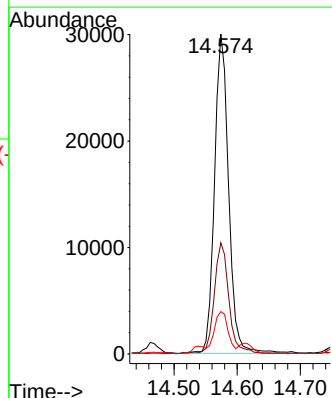
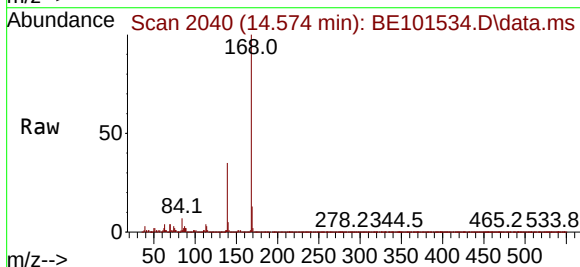
Tgt Ion:168 Resp: 46388

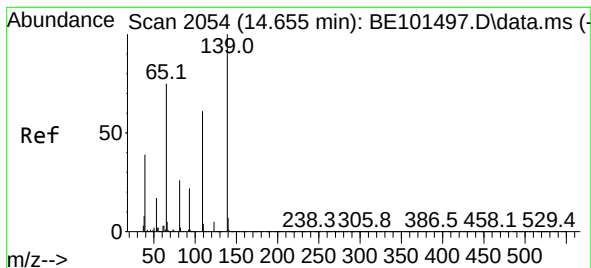
Ion Ratio Lower Upper

168 100

139 34.8 29.1 43.7

169 13.3 10.6 16.0





#56

4-Nitrophenol

Concen: 6.363 ng

RT: 14.574 min Scan# 2054

Delta R.T. -0.081 min

Lab File: BE101534.D

Acq: 7 Nov 2024 16:54

Instrument :

BNA_E

ClientSampleId :

CF-613-COMP-17DL

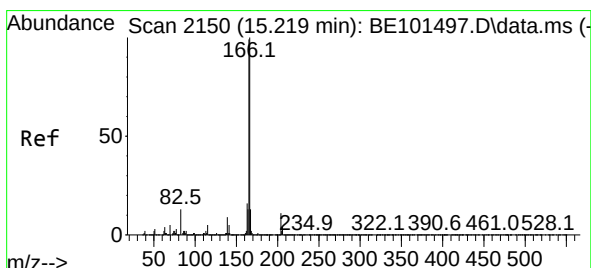
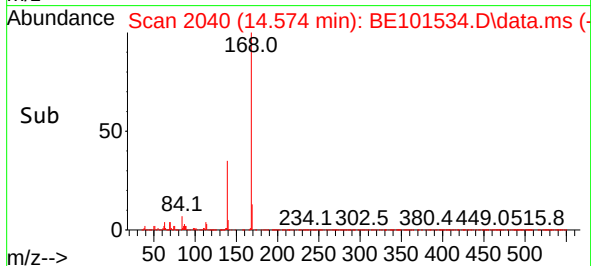
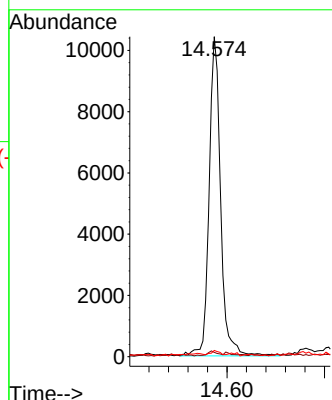
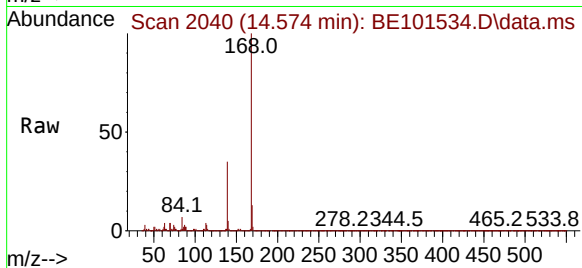
Tgt Ion:139 Resp: 17056

Ion Ratio Lower Upper

139 100

109 1.4 40.7 80.7#

65 2.0 58.0 98.0#



#58

Fluorene

Concen: 5.823 ng

RT: 15.214 min Scan# 2149

Delta R.T. -0.005 min

Lab File: BE101534.D

Acq: 7 Nov 2024 16:54

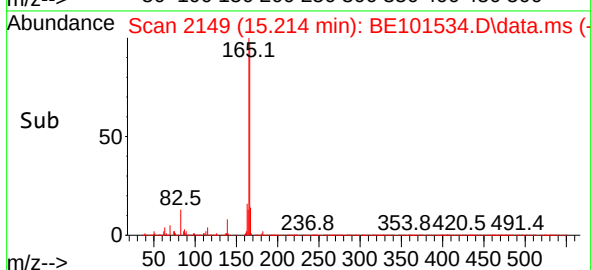
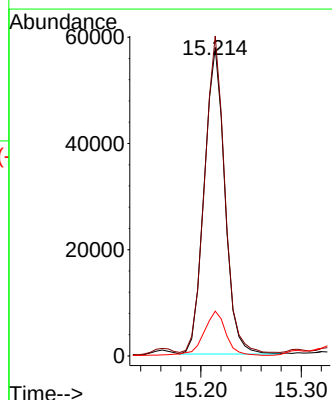
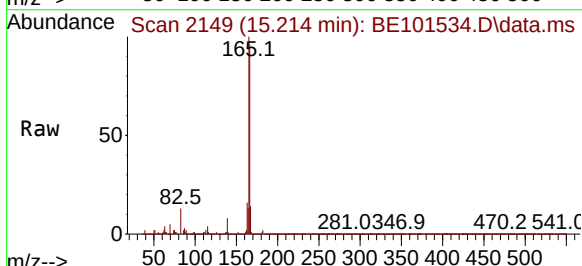
Tgt Ion:166 Resp: 82369

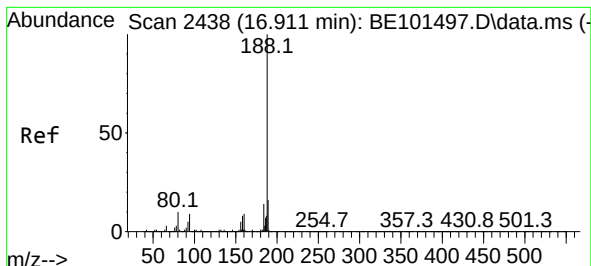
Ion Ratio Lower Upper

166 100

165 103.7 79.0 118.4

167 14.5 10.6 16.0





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 16.907 min Scan# 2438

Delta R.T. -0.005 min

Lab File: BE101534.D

Acq: 7 Nov 2024 16:54

Instrument :

BNA_E

ClientSampleId :

CF-613-COMP-17DL

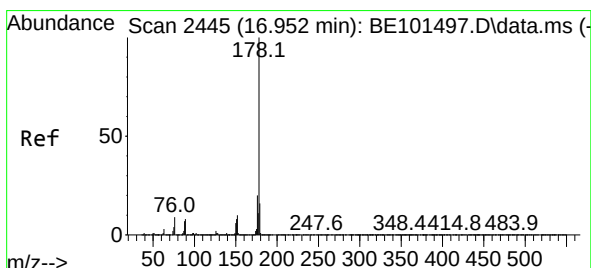
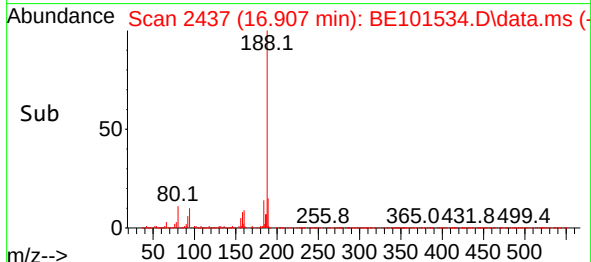
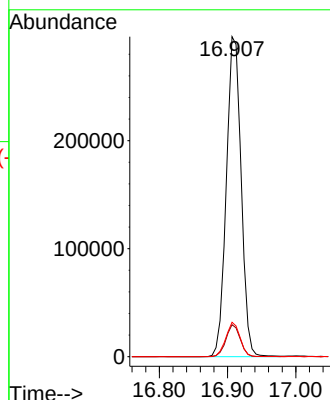
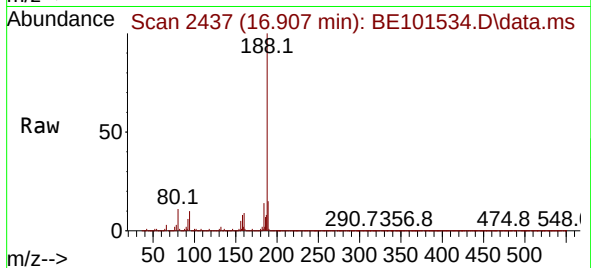
Tgt Ion:188 Resp: 447469

Ion Ratio Lower Upper

188 100

94 10.0 7.4 11.2

80 10.8 8.0 12.0



#71

Phenanthrene

Concen: 57.157 ng

RT: 16.953 min Scan# 2445

Delta R.T. 0.001 min

Lab File: BE101534.D

Acq: 7 Nov 2024 16:54

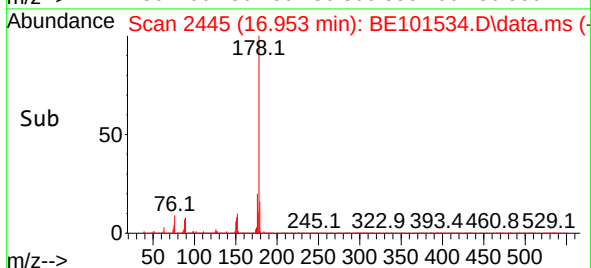
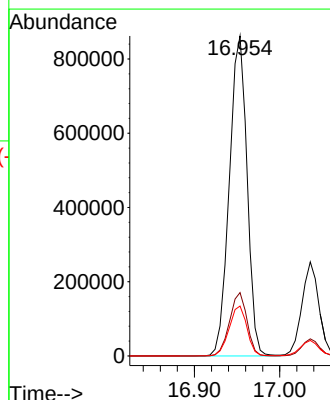
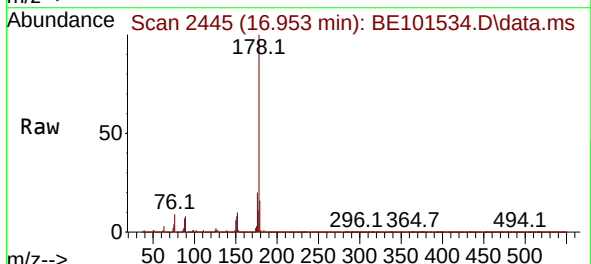
Tgt Ion:178 Resp: 1243943

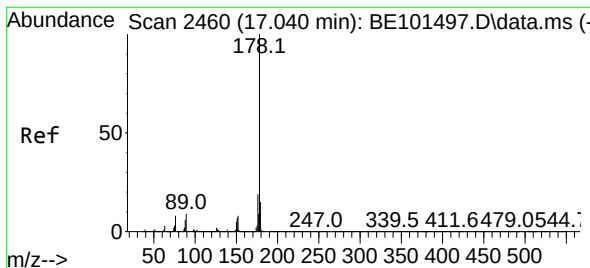
Ion Ratio Lower Upper

178 100

176 19.8 15.8 23.8

179 15.6 12.6 19.0





#72

Anthracene

Concen: 16.288 ng

RT: 17.036 min Scan# 2460

Delta R.T. -0.005 min

Lab File: BE101534.D

Acq: 7 Nov 2024 16:54

Instrument :

BNA_E

ClientSampleId :

CF-613-COMP-17DL

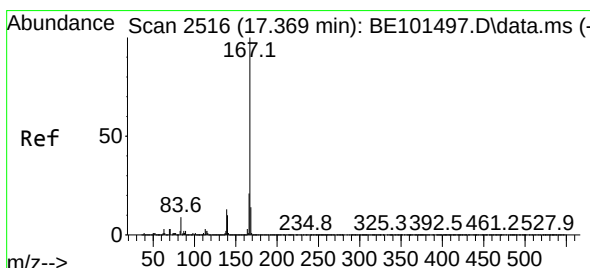
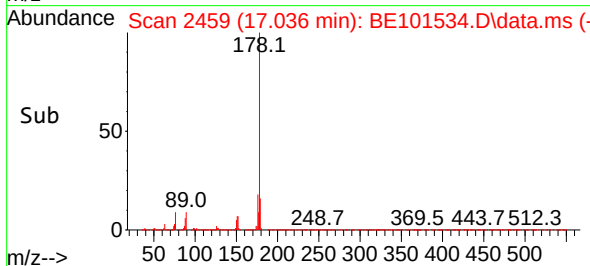
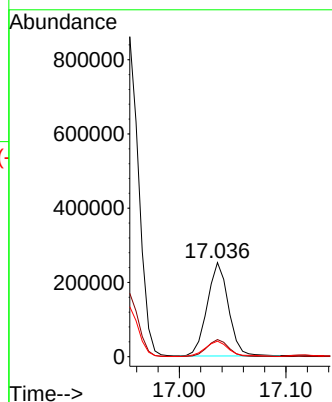
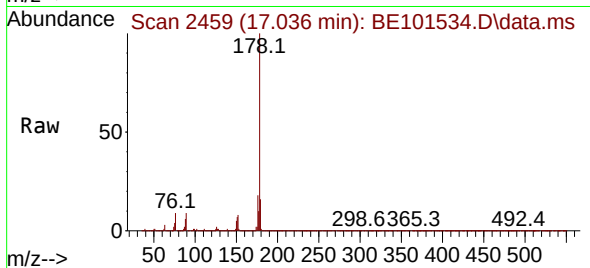
Tgt Ion:178 Resp: 350066

Ion Ratio Lower Upper

178 100

176 18.3 15.1 22.7

179 16.5 12.4 18.6



#73

Carbazole

Concen: 2.058 ng

RT: 17.365 min Scan# 2515

Delta R.T. -0.005 min

Lab File: BE101534.D

Acq: 7 Nov 2024 16:54

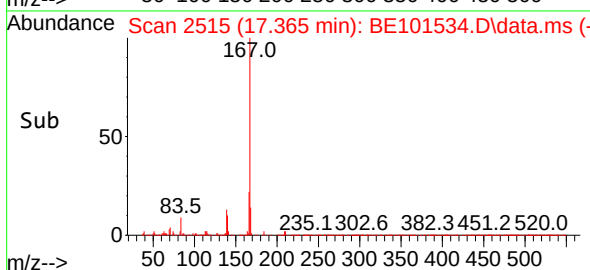
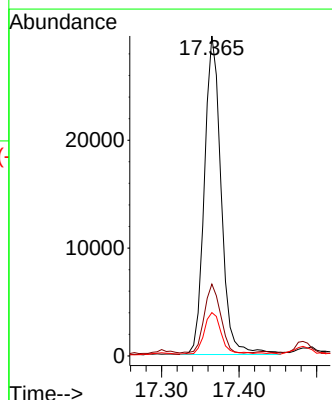
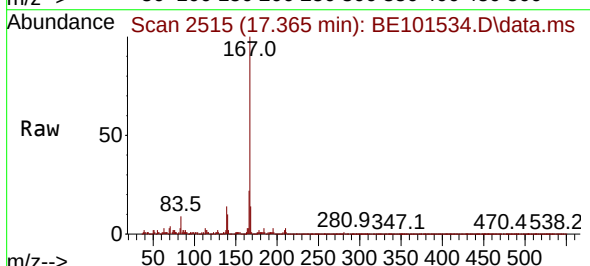
Tgt Ion:167 Resp: 44354

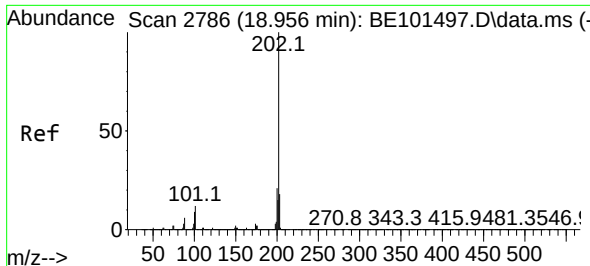
Ion Ratio Lower Upper

167 100

166 22.5 17.1 25.7

139 13.6 10.2 15.2

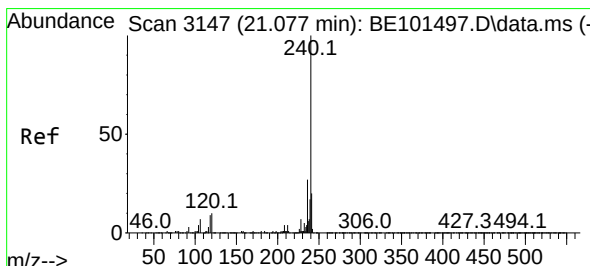
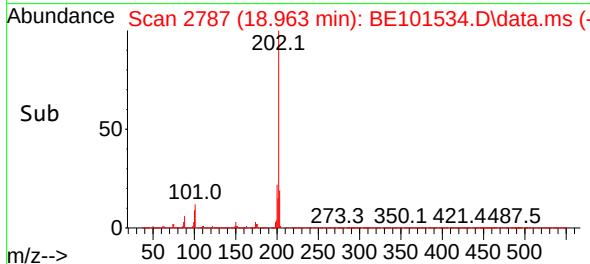
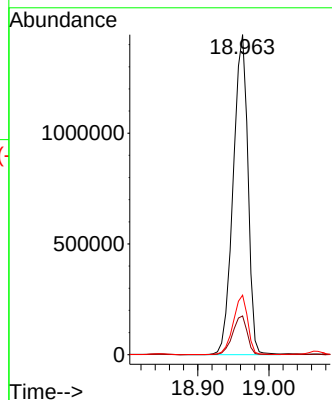
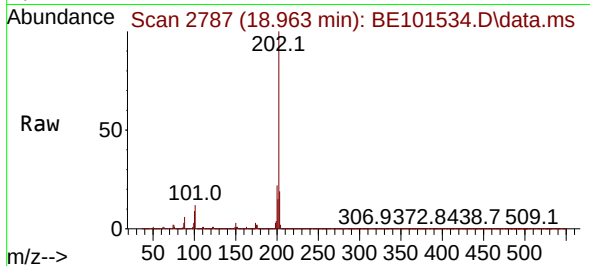




#75
Fluoranthene
Concen: 74.568 ng
RT: 18.963 min Scan# 21
Delta R.T. 0.007 min
Lab File: BE101534.D
Acq: 7 Nov 2024 16:54

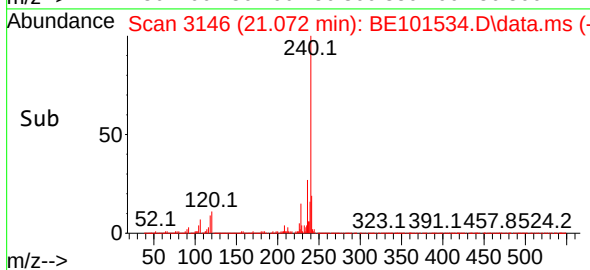
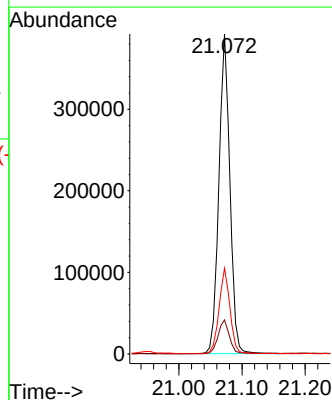
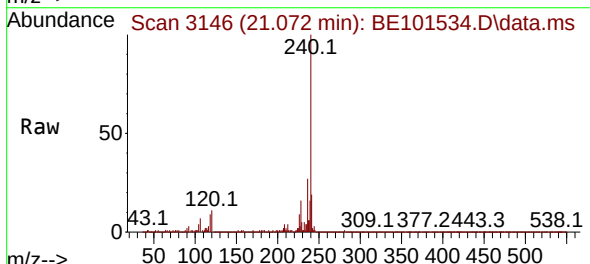
Instrument :
BNA_E
ClientSampleId :
CF-613-COMP-17DL

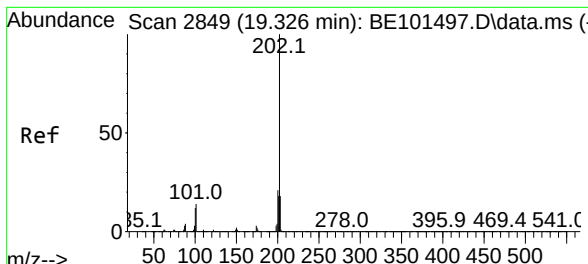
Tgt Ion:202 Resp: 2080746
Ion Ratio Lower Upper
202 100
101 12.1 0.0 31.7
203 18.6 0.0 37.8



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.072 min Scan# 3146
Delta R.T. -0.005 min
Lab File: BE101534.D
Acq: 7 Nov 2024 16:54

Tgt Ion:240 Resp: 473017
Ion Ratio Lower Upper
240 100
120 10.7 8.2 12.4
236 26.8 21.4 32.2



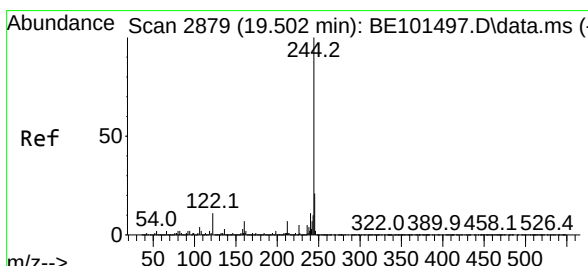
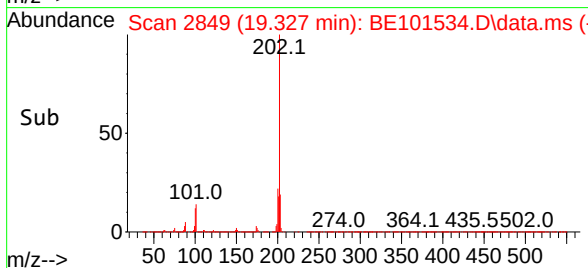
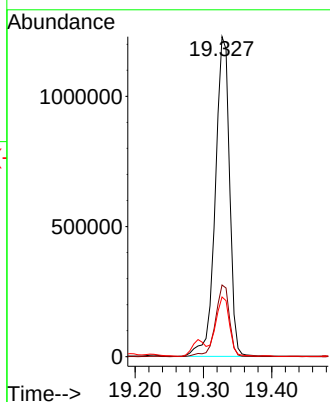
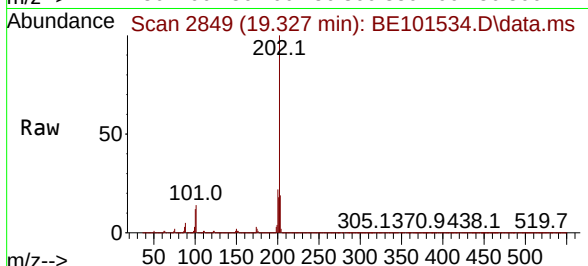


#78
 Pyrene
 Concen: 66.422 ng
 RT: 19.327 min Scan# 2849
 Delta R.T. 0.001 min
 Lab File: BE101534.D
 Acq: 7 Nov 2024 16:54

Instrument :
 BNA_E
 ClientSampleId :
 CF-613-COMP-17DL

Tgt Ion:202 Resp: 1787674

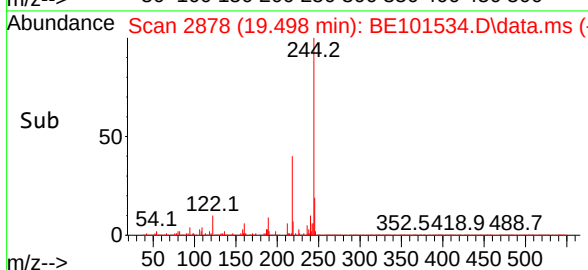
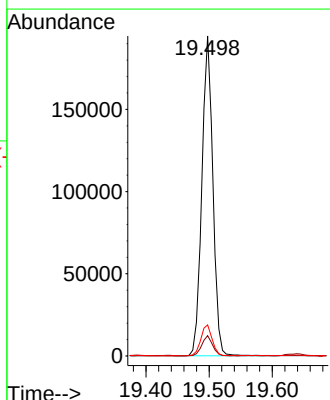
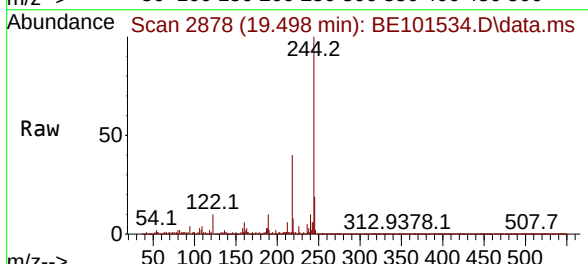
Ion	Ratio	Lower	Upper
202	100		
200	22.4	17.2	25.8
203	18.6	14.2	21.4

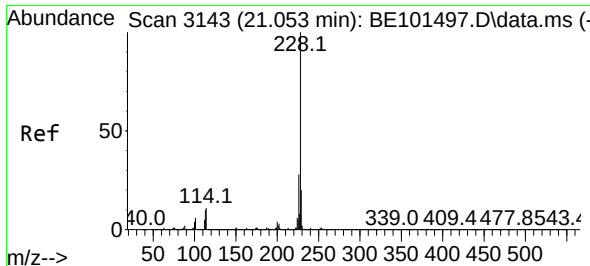


#79
 Terphenyl-d14
 Concen: 11.000 ng
 RT: 19.498 min Scan# 2878
 Delta R.T. -0.005 min
 Lab File: BE101534.D
 Acq: 7 Nov 2024 16:54

Tgt Ion:244 Resp: 235065

Ion	Ratio	Lower	Upper
244	100		
212	6.3	5.8	8.8
122	9.7	8.4	12.6

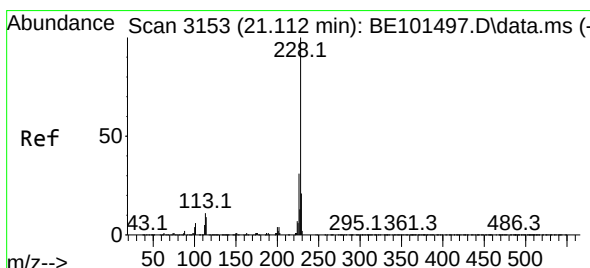
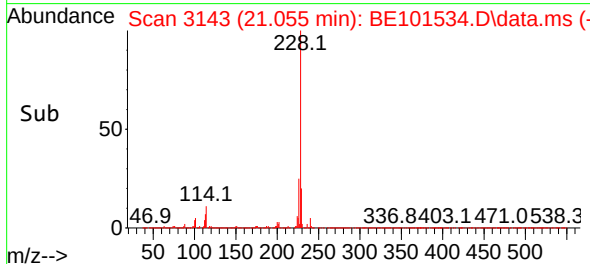
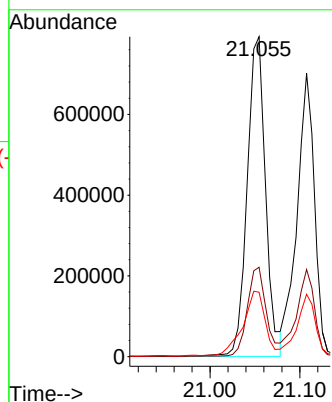
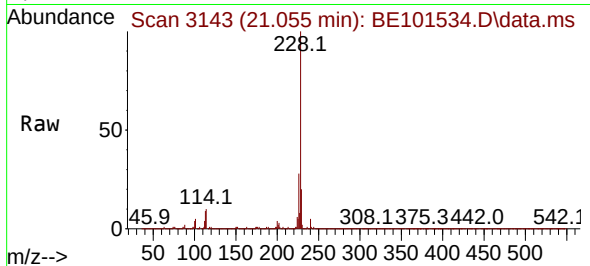




#81
Benzo(a)anthracene
Concen: 40.060 ng
RT: 21.055 min Scan# 3143
Delta R.T. 0.001 min
Lab File: BE101534.D
Acq: 7 Nov 2024 16:54

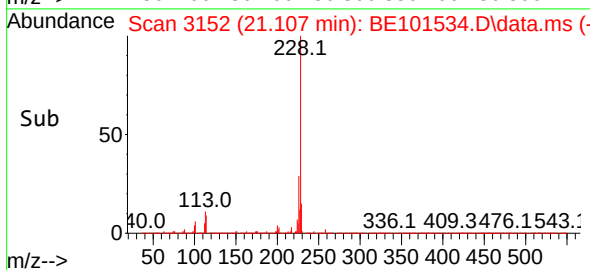
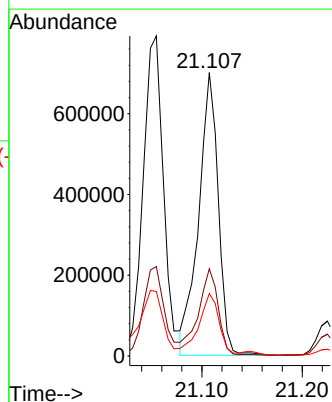
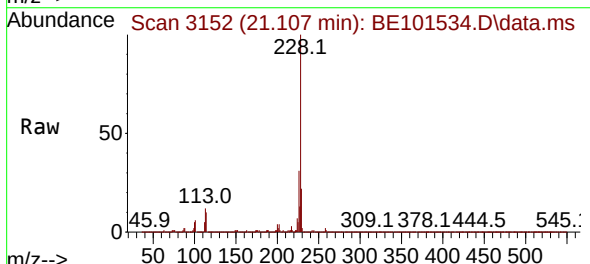
Instrument :
BNA_E
ClientSampleId :
CF-613-COMP-17DL

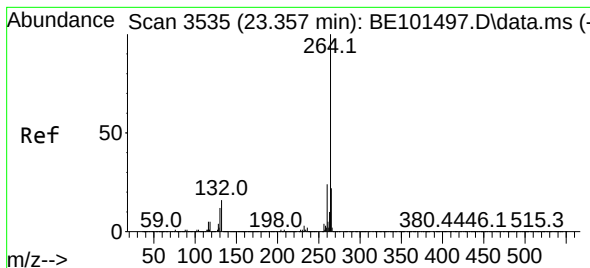
Tgt Ion:228 Resp: 1125386
Ion Ratio Lower Upper
228 100
226 28.0 22.4 33.6
229 20.2 16.1 24.1



#83
Chrysene
Concen: 35.767 ng
RT: 21.107 min Scan# 3152
Delta R.T. -0.005 min
Lab File: BE101534.D
Acq: 7 Nov 2024 16:54

Tgt Ion:228 Resp: 955066
Ion Ratio Lower Upper
228 100
226 30.8 25.1 37.7
229 22.0 16.4 24.6





#86

Perylene-d12

Concen: 20.000 ng

RT: 23.358 min Scan# 31

Delta R.T. 0.001 min

Lab File: BE101534.D

Acq: 7 Nov 2024 16:54

Instrument :

BNA_E

ClientSampleId :

CF-613-COMP-17DL

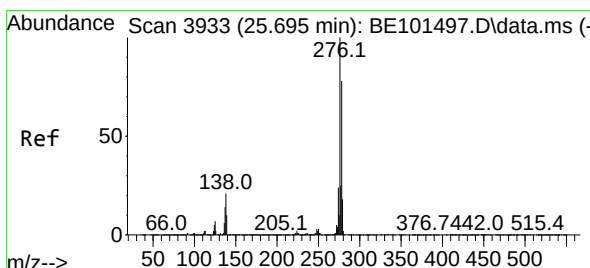
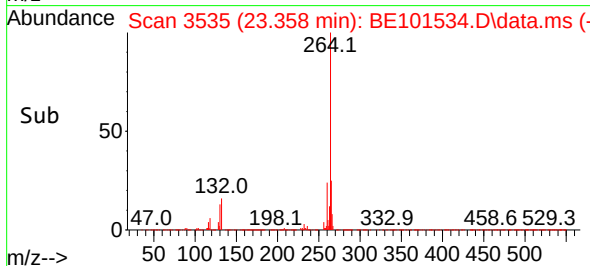
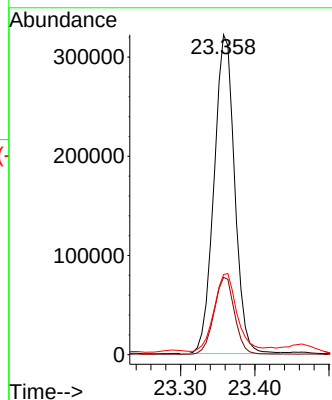
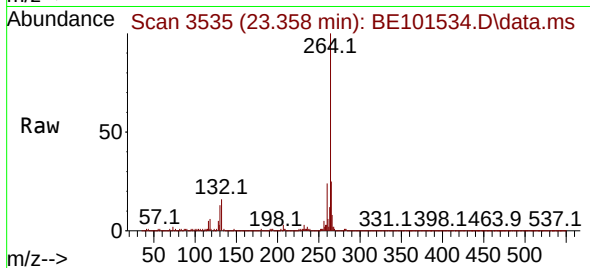
Tgt Ion:264 Resp: 620522

Ion Ratio Lower Upper

264 100

260 24.1 19.4 29.2

265 25.0 17.4 26.2



#87

Indeno(1,2,3-cd)pyrene

Concen: 17.615 ng

RT: 25.679 min Scan# 3930

Delta R.T. -0.016 min

Lab File: BE101534.D

Acq: 7 Nov 2024 16:54

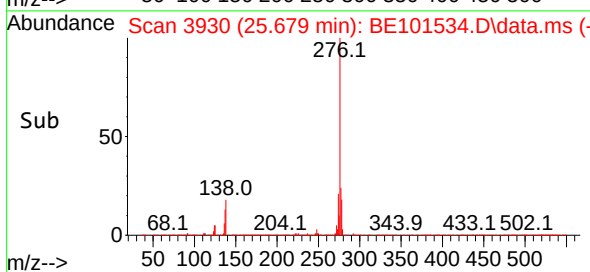
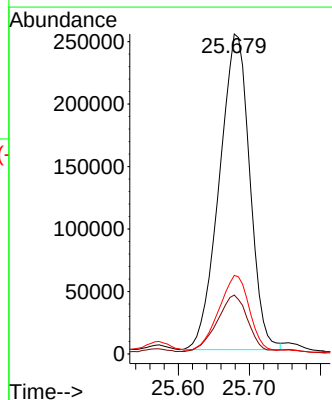
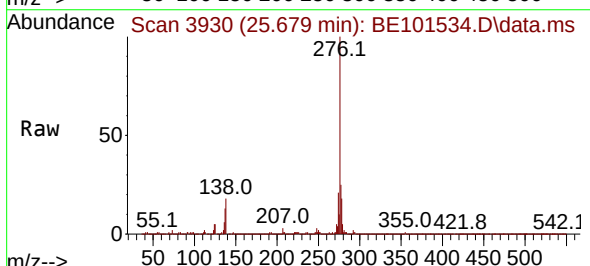
Tgt Ion:276 Resp: 751130

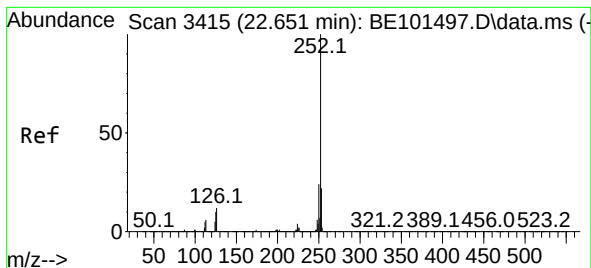
Ion Ratio Lower Upper

276 100

138 17.9 17.0 25.6

277 25.3 20.2 30.2





#88

Benzo(b)fluoranthene

Concen: 36.590 ng

RT: 22.653 min Scan# 3415

Delta R.T. 0.001 min

Lab File: BE101534.D

Acq: 7 Nov 2024 16:54

Instrument :

BNA_E

ClientSampleId :

CF-613-COMP-17DL

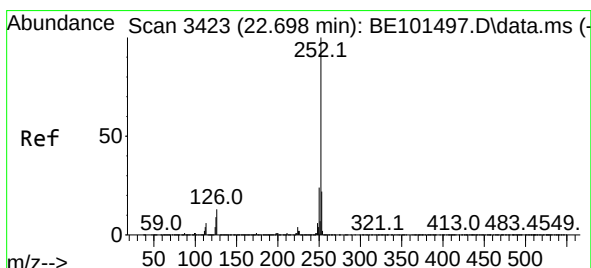
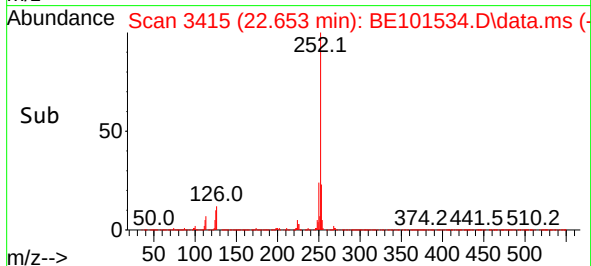
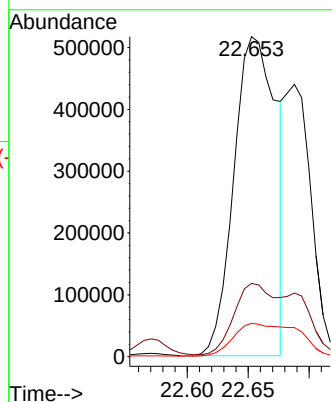
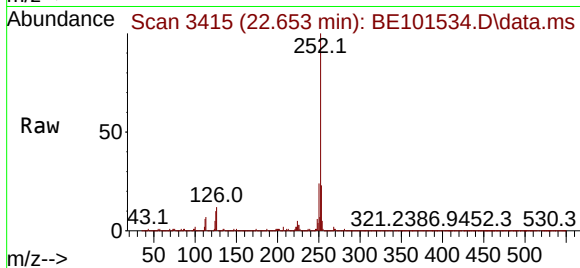
Tgt Ion:252 Resp: 1245683

Ion Ratio Lower Upper

252 100

253 22.9 17.7 26.5

125 10.5 7.8 11.8



#89

Benzo(k)fluoranthene

Concen: 40.307 ng

RT: 22.653 min Scan# 3415

Delta R.T. -0.046 min

Lab File: BE101534.D

Acq: 7 Nov 2024 16:54

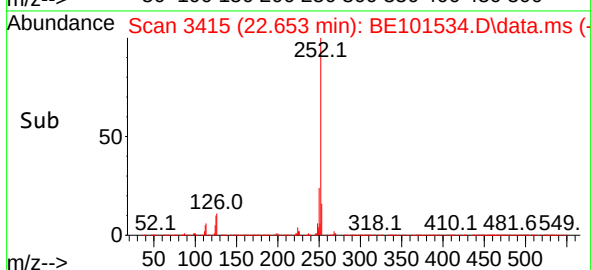
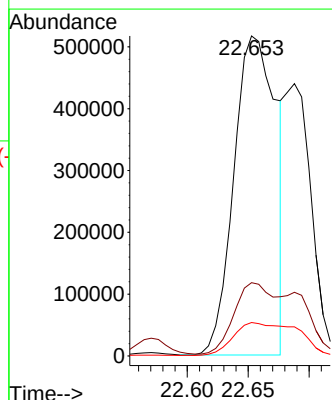
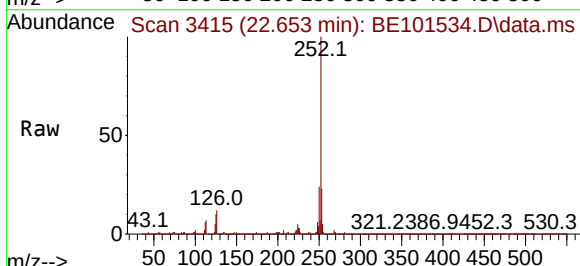
Tgt Ion:252 Resp: 1245683

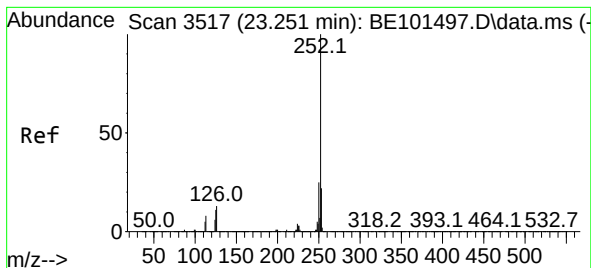
Ion Ratio Lower Upper

252 100

253 22.9 17.9 26.9

125 10.5 7.7 11.5





#90

Benzo(a)pyrene

Concen: 35.306 ng

RT: 23.252 min Scan# 3

Delta R.T. 0.001 min

Lab File: BE101534.D

Acq: 7 Nov 2024 16:54

Instrument :

BNA_E

ClientSampleId :

CF-613-COMP-17DL

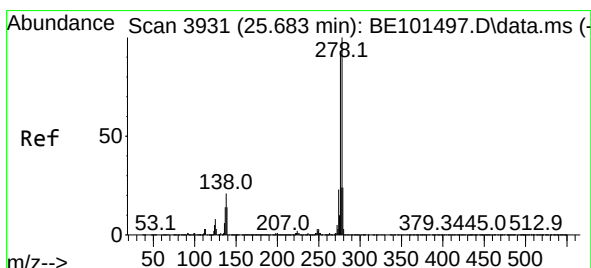
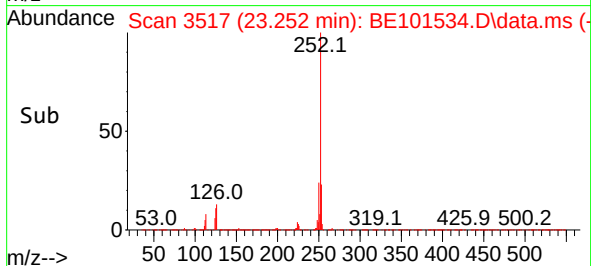
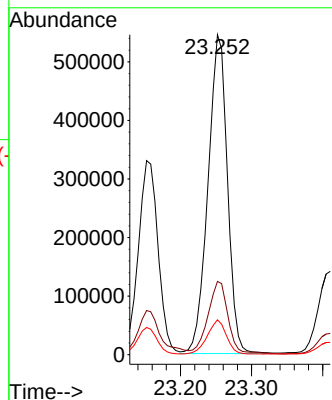
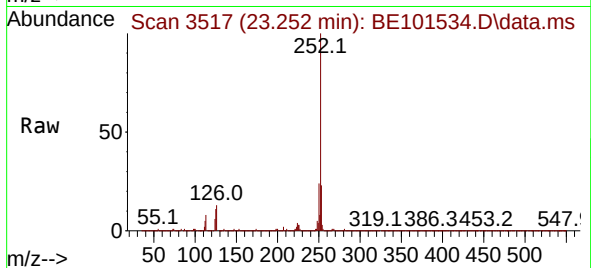
Tgt Ion:252 Resp: 1037703

Ion Ratio Lower Upper

252 100

253 22.9 17.6 26.4

125 10.9 8.6 13.0



#91

Dibenzo(a,h)anthracene

Concen: 4.496 ng

RT: 25.925 min Scan# 3972

Delta R.T. 0.242 min

Lab File: BE101534.D

Acq: 7 Nov 2024 16:54

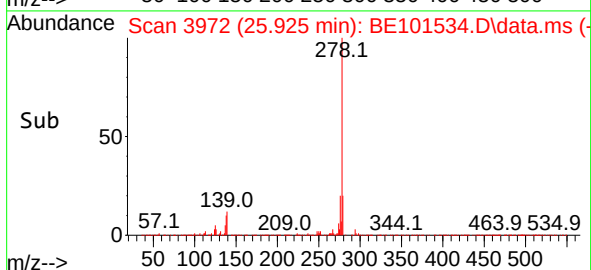
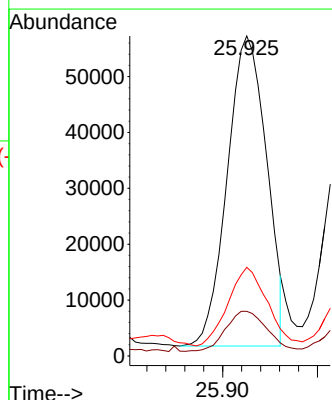
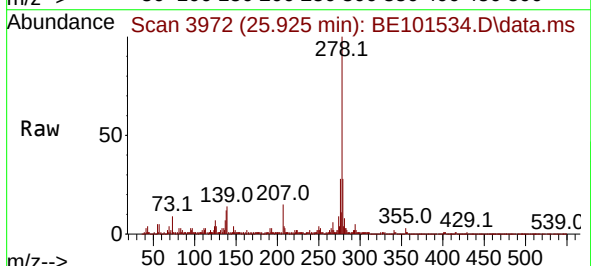
Tgt Ion:278 Resp: 159668

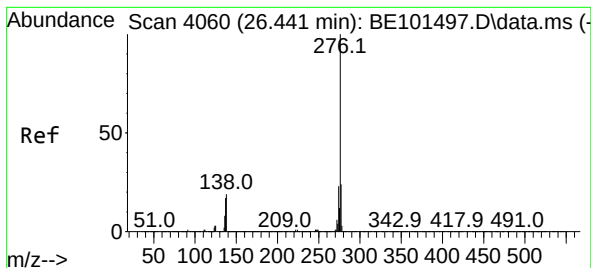
Ion Ratio Lower Upper

278 100

139 14.0 11.2 16.8

279 27.7 19.1 28.7





#92

Benzo(g,h,i)perylene

Concen: 19.457 ng

RT: 26.431 min Scan# 40

Delta R.T. -0.011 min

Lab File: BE101534.D

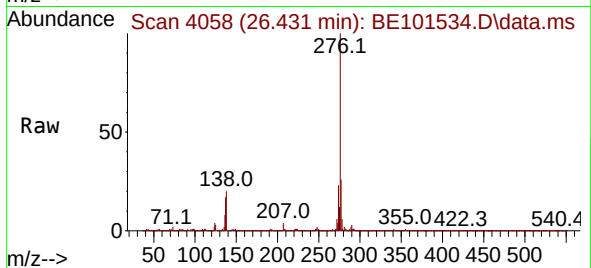
Acq: 7 Nov 2024 16:54

Instrument :

BNA_E

ClientSampleId :

CF-613-COMP-17DL



Tgt Ion:276 Resp: 702021

Ion Ratio Lower Upper

276 100

277 26.5 19.5 29.3

138 19.8 15.3 22.9

