

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF080625\
 Data File : BF143337.D
 Acq On : 06 Aug 2025 18:40
 Operator : RC/JU
 Sample : Q2774-09 2X
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 248

Quant Time: Aug 07 01:00:40 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF071725.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Jul 17 15:14:05 2025
 Response via : Initial Calibration

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

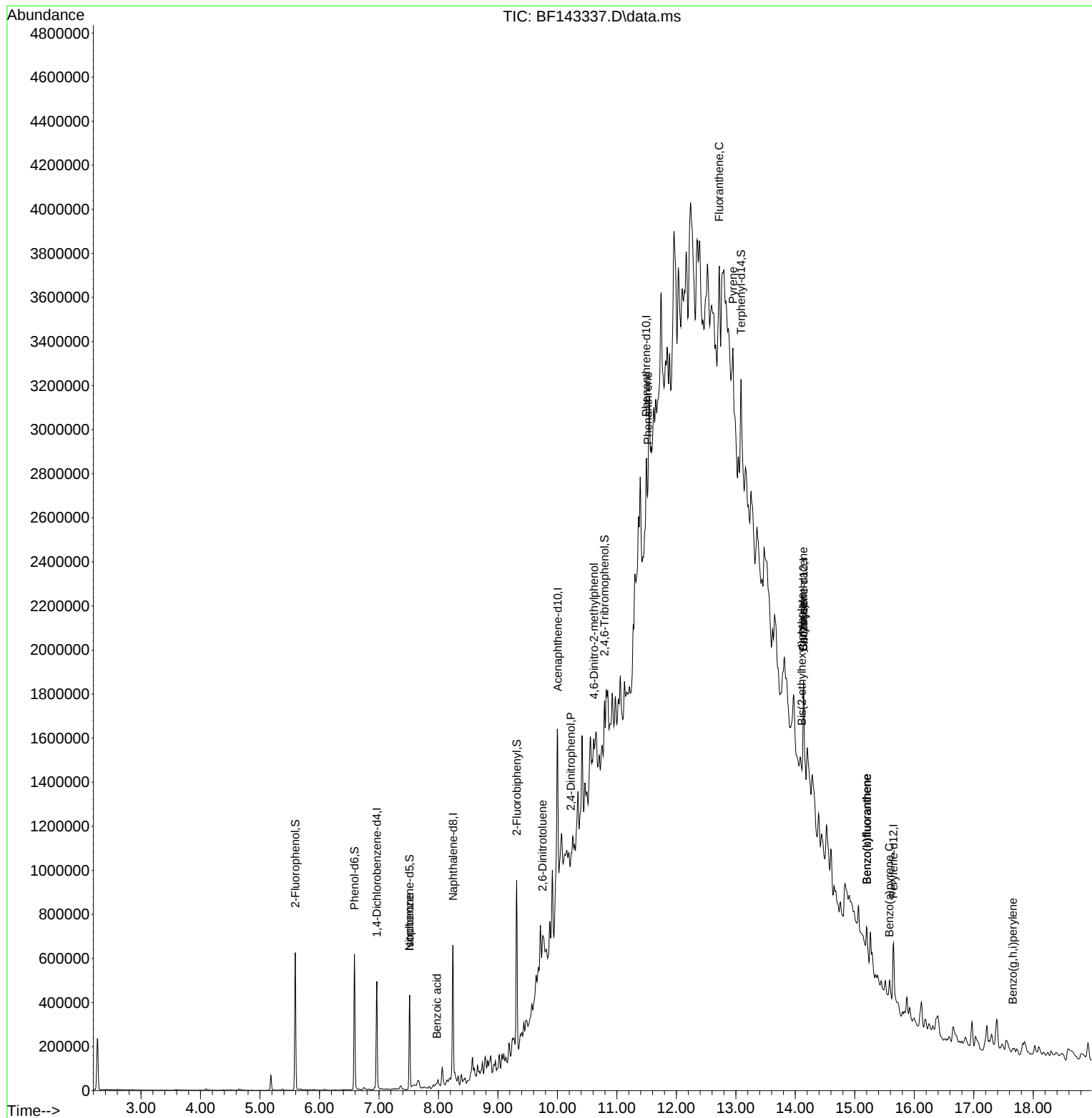
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.963	152	99139	20.000	ng	0.00
21) Naphthalene-d8	8.245	136	384468	20.000	ng	0.00
39) Acenaphthene-d10	10.004	164	178183	20.000	ng	0.00
64) Phenanthrene-d10	11.492	188	191306	20.000	ng	# 0.00
76) Chrysene-d12	14.139	240	191982	20.000	ng	0.02
86) Perylene-d12	15.651	264	154050	20.000	ng	0.03
System Monitoring Compounds						
5) 2-Fluorophenol	5.593	112	220092	35.131	ng	0.00
7) Phenol-d6	6.587	99	269718	34.204	ng	0.00
23) Nitrobenzene-d5	7.516	82	179583	23.283	ng	0.00
42) 2,4,6-Tribromophenol	10.792	330	49653	26.975	ng	0.00
45) 2-Fluorobiphenyl	9.316	172	328486	25.213	ng	0.00
79) Terphenyl-d14	13.086	244	232906	18.053	ng	0.02
Target Compounds						Qvalue
25) Isophorone	7.516	82	174754	12.835	ng	# 66
32) Benzoic acid	7.975	122	1275	5.495	ng	# 86
51) 2,6-Dinitrotoluene	9.751	165	16877	7.143	ng	# 30
54) 2,4-Dinitrophenol	10.228	184	54	6.710	ng	# 1
65) 4,6-Dinitro-2-methylph...	10.616	198	206	5.595	ng	# 1
71) Phenanthrene	11.522	178	56564	5.569	ng	# 72
75) Fluoranthene	12.722	202	173467	18.605	ng	87
78) Pyrene	12.951	202	143392	8.752	ng	# 91
81) Benzo(a)anthracene	14.133	228	71737	5.581	ng	94
83) Chrysene	14.133	228	71737	6.208	ng	97
84) Bis(2-ethylhexyl)phtha...	14.110	149	17703	2.331	ng	# 81
88) Benzo(b)fluoranthene	15.204	252	109315	11.616	ng	# 83
89) Benzo(k)fluoranthene	15.204	252	109315	13.017	ng	# 84
90) Benzo(a)pyrene	15.580	252	39655	4.573	ng	# 80
92) Benzo(g,h,i)perylene	17.657	276	23313	2.726	ng	96

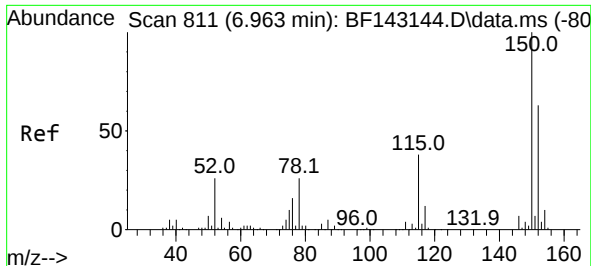
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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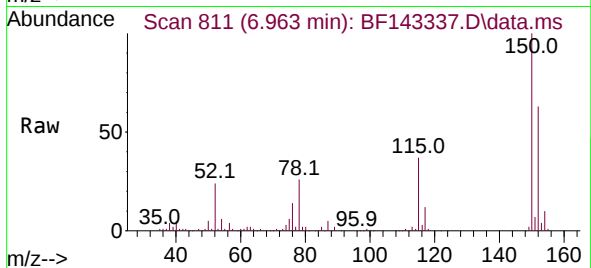
Quant Time: Aug 07 01:00:40 2025
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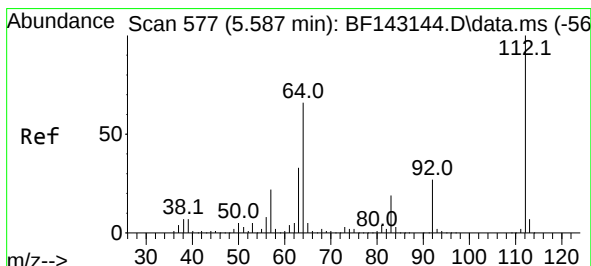
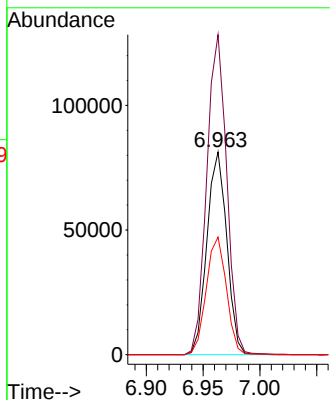
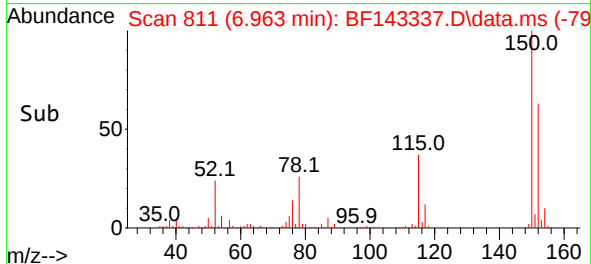


#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.963 min Scan# 811
Delta R.T. 0.000 min
Lab File: BF143337.D
Acq: 06 Aug 2025 18:40

Instrument :
BNA_F
ClientSampleId :
248

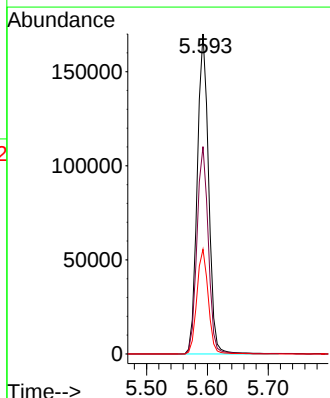
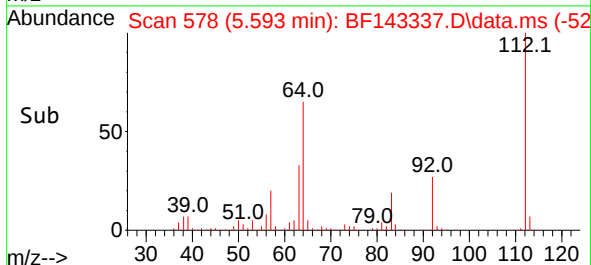
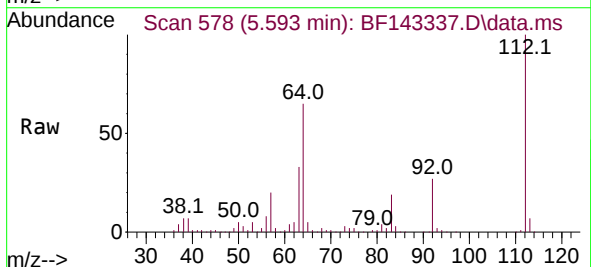


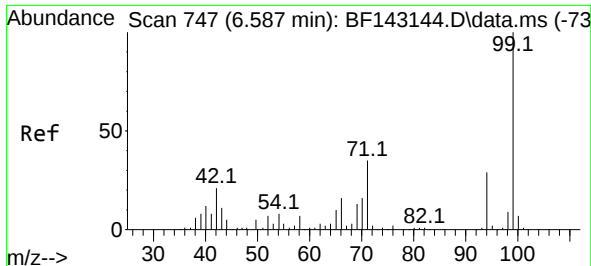
Tgt Ion:152 Resp: 99139
Ion Ratio Lower Upper
152 100
150 157.9 128.2 192.4
115 58.0 47.9 71.9



#5
2-Fluorophenol
Concen: 35.131 ng
RT: 5.593 min Scan# 578
Delta R.T. 0.006 min
Lab File: BF143337.D
Acq: 06 Aug 2025 18:40

Tgt Ion:112 Resp: 220092
Ion Ratio Lower Upper
112 100
64 64.8 53.1 79.7
63 32.7 26.6 40.0

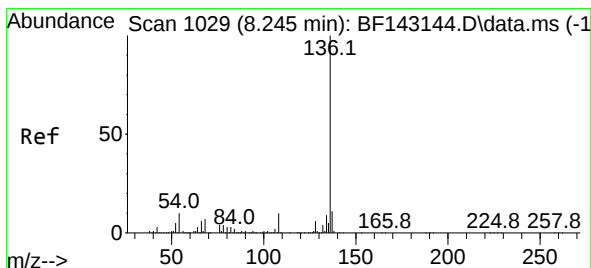
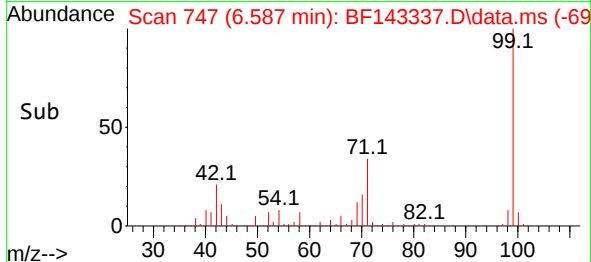
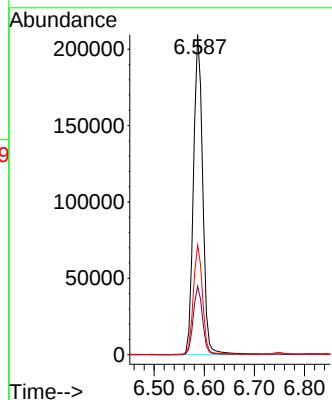
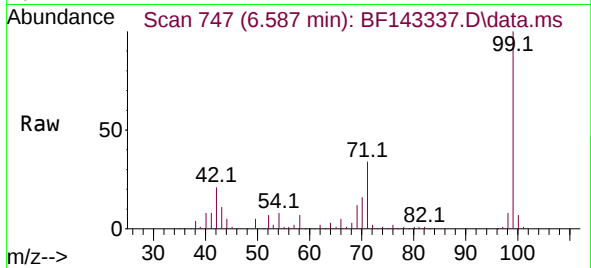




#7
Phenol-d6
Concen: 34.204 ng
RT: 6.587 min Scan# 747
Delta R.T. 0.000 min
Lab File: BF143337.D
Acq: 06 Aug 2025 18:40

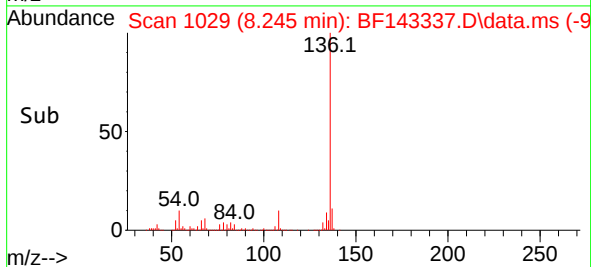
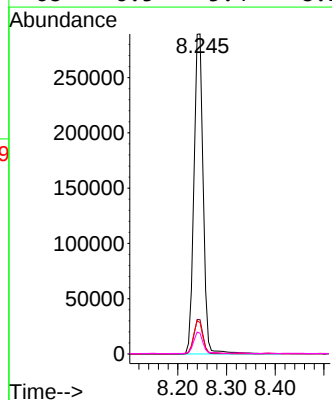
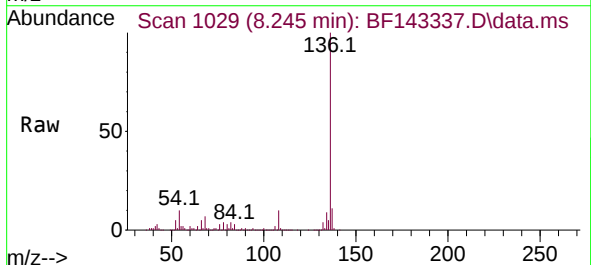
Instrument :
BNA_F
ClientSampleId :
248

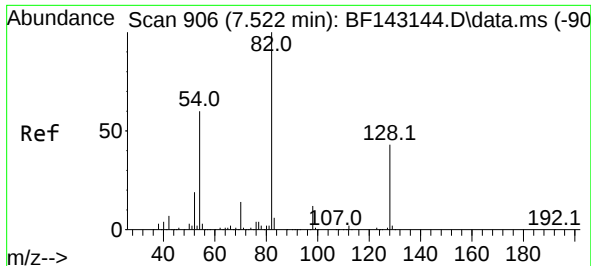
Tgt Ion: 99 Resp: 269718
Ion Ratio Lower Upper
99 100
42 21.3 17.0 25.6
71 34.3 27.7 41.5



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.245 min Scan# 1029
Delta R.T. 0.000 min
Lab File: BF143337.D
Acq: 06 Aug 2025 18:40

Tgt Ion: 136 Resp: 384468
Ion Ratio Lower Upper
136 100
137 10.7 8.6 13.0
54 9.8 8.2 12.2
68 6.5 5.4 8.2





#23

Nitrobenzene-d5

Concen: 23.283 ng

RT: 7.516 min Scan# 905

Delta R.T. -0.006 min

Lab File: BF143337.D

Acq: 06 Aug 2025 18:40

Instrument :

BNA_F

ClientSampleId :

248

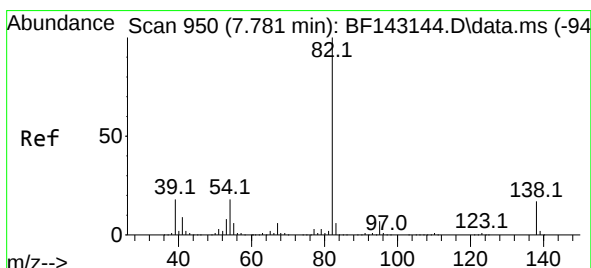
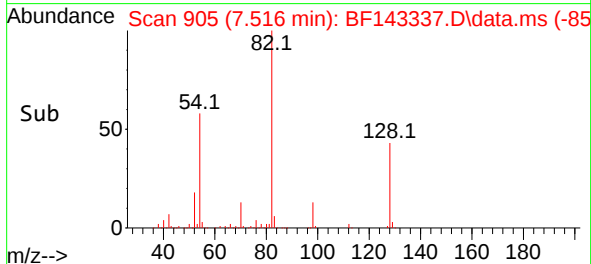
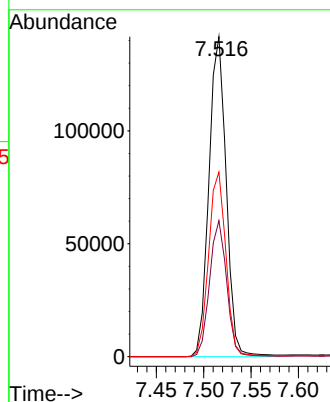
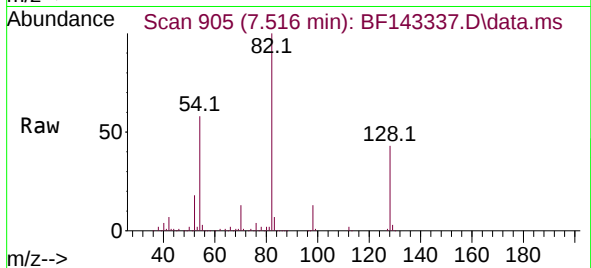
Tgt Ion: 82 Resp: 179583

Ion Ratio Lower Upper

82 100

128 42.5 33.6 50.4

54 57.7 47.1 70.7



#25

Isophorone

Concen: 12.835 ng

RT: 7.516 min Scan# 905

Delta R.T. -0.265 min

Lab File: BF143337.D

Acq: 06 Aug 2025 18:40

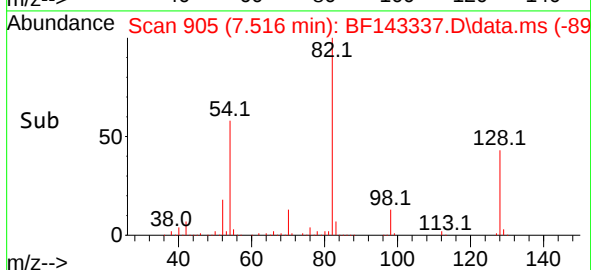
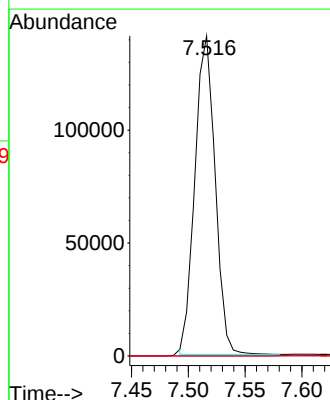
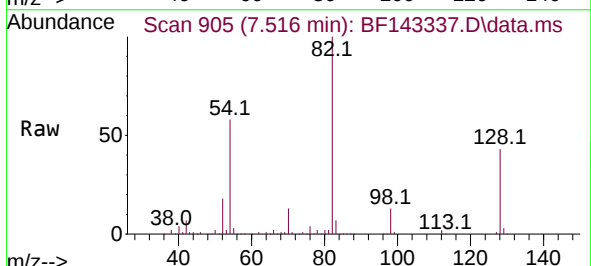
Tgt Ion: 82 Resp: 174754

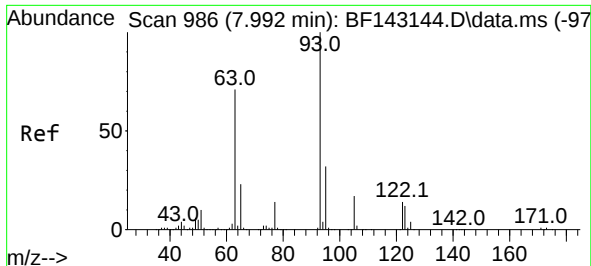
Ion Ratio Lower Upper

82 100

95 0.0 5.5 8.3#

138 0.0 13.8 20.8#

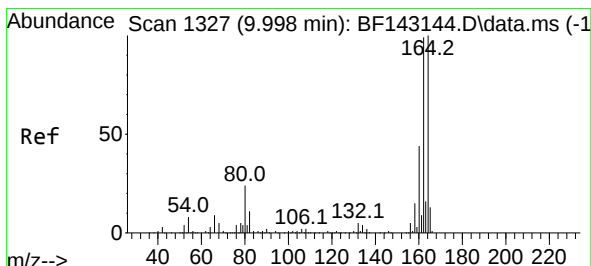
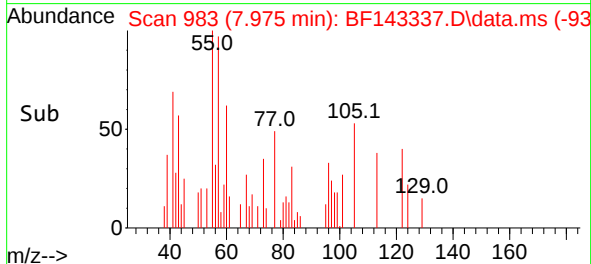
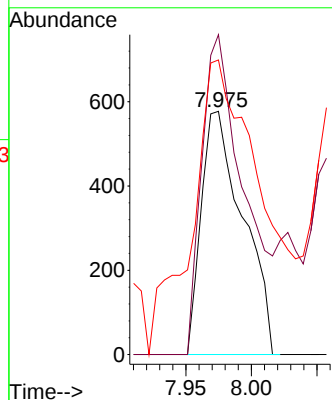
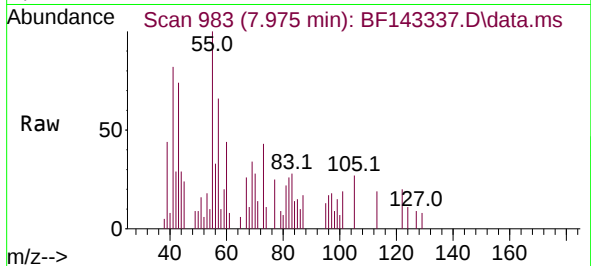




#32
Benzoic acid
Concen: 5.495 ng
RT: 7.975 min Scan# 91
Delta R.T. -0.017 min
Lab File: BF143337.D
Acq: 06 Aug 2025 18:40

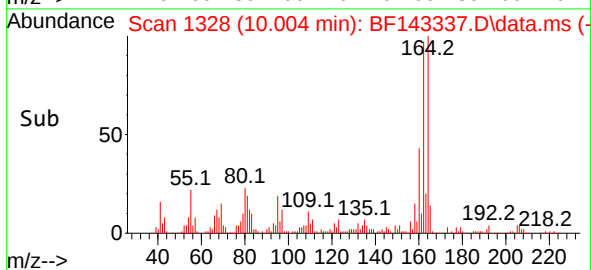
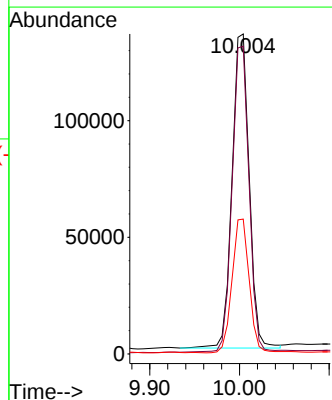
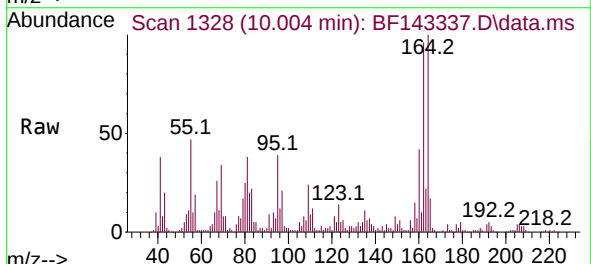
Instrument :
BNA_F
ClientSampleId :
248

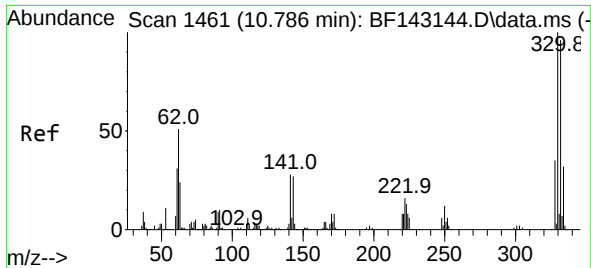
Tgt Ion:122 Resp: 1275
Ion Ratio Lower Upper
122 100
105 131.5 104.8 144.8
77 121.1 77.6 117.6#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 10.004 min Scan# 1328
Delta R.T. 0.006 min
Lab File: BF143337.D
Acq: 06 Aug 2025 18:40

Tgt Ion:164 Resp: 178183
Ion Ratio Lower Upper
164 100
162 96.2 79.0 118.6
160 42.2 35.1 52.7

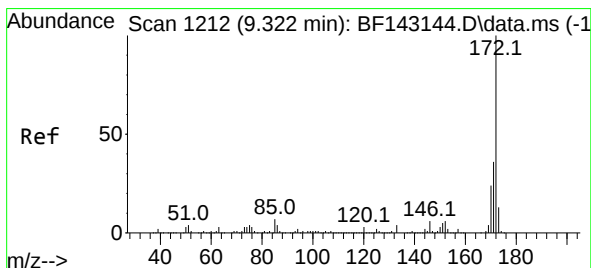
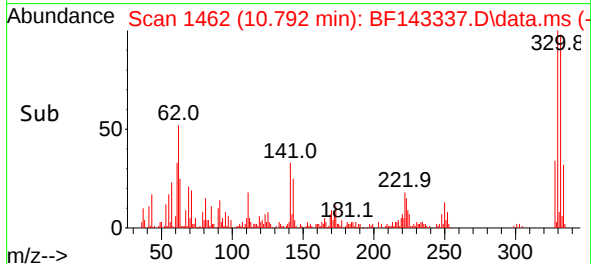
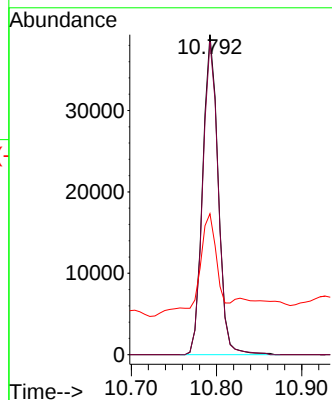
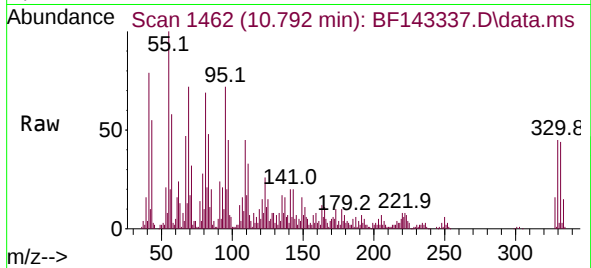




#42
2,4,6-Tribromophenol
Concen: 26.975 ng
RT: 10.792 min Scan# 1462
Delta R.T. 0.006 min
Lab File: BF143337.D
Acq: 06 Aug 2025 18:40

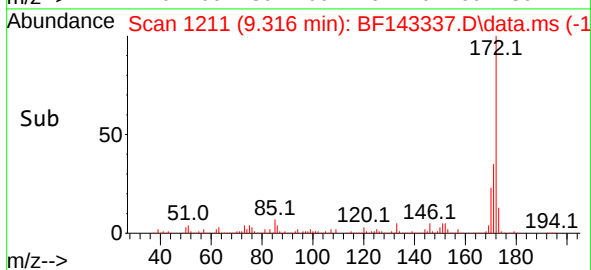
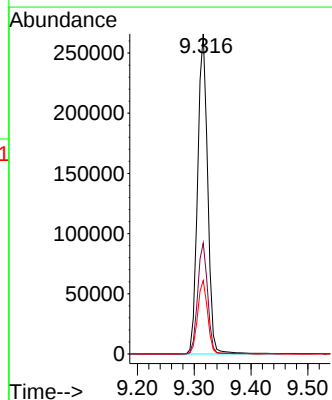
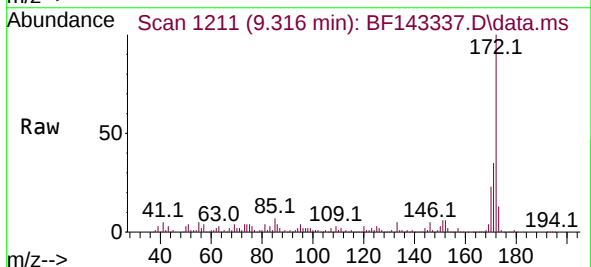
Instrument :
BNA_F
ClientSampleId :
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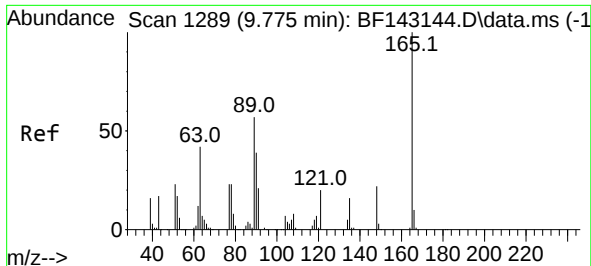
Tgt Ion: 330 Resp: 49653
Ion Ratio Lower Upper
330 100
332 97.8 76.7 115.1
141 37.9 23.3 34.9#



#45
2-Fluorobiphenyl
Concen: 25.213 ng
RT: 9.316 min Scan# 1211
Delta R.T. -0.006 min
Lab File: BF143337.D
Acq: 06 Aug 2025 18:40

Tgt Ion: 172 Resp: 328486
Ion Ratio Lower Upper
172 100
171 34.7 28.6 42.8
170 22.9 18.8 28.2





#51

2,6-Dinitrotoluene

Concen: 7.143 ng

RT: 9.751 min Scan# 11

Delta R.T. -0.023 min

Lab File: BF143337.D

Acq: 06 Aug 2025 18:40

Instrument :

BNA_F

ClientSampleId :

248

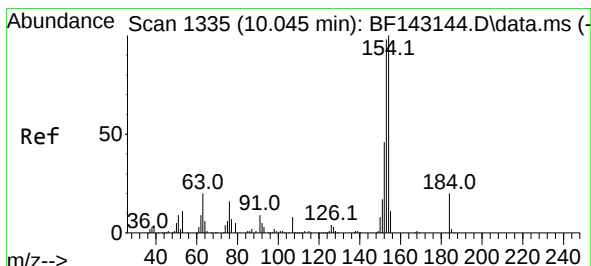
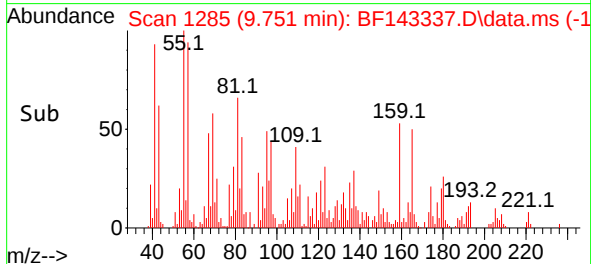
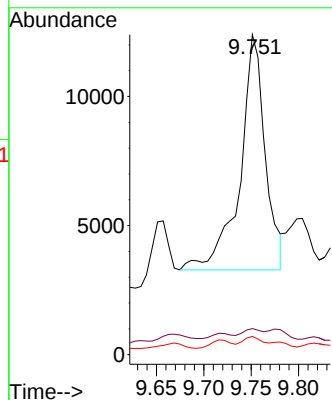
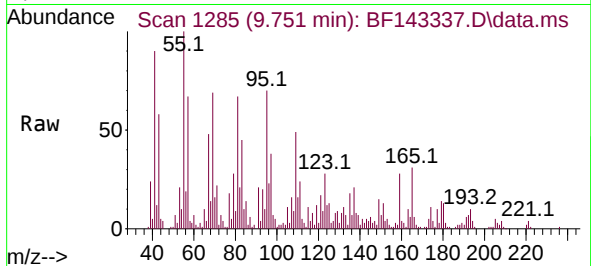
Tgt Ion:165 Resp: 16877

Ion Ratio Lower Upper

165 100

63 8.2 49.4 74.2#

89 5.7 46.2 69.2#



#54

2,4-Dinitrophenol

Concen: 6.710 ng

RT: 10.228 min Scan# 1366

Delta R.T. 0.183 min

Lab File: BF143337.D

Acq: 06 Aug 2025 18:40

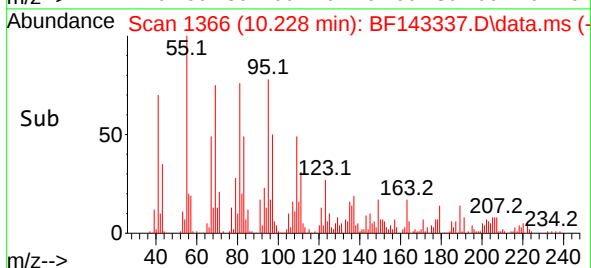
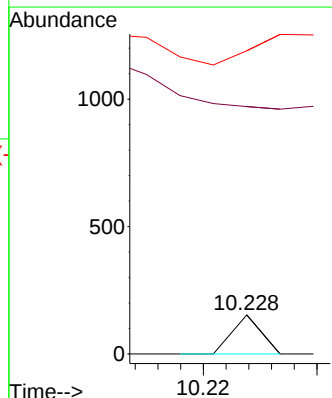
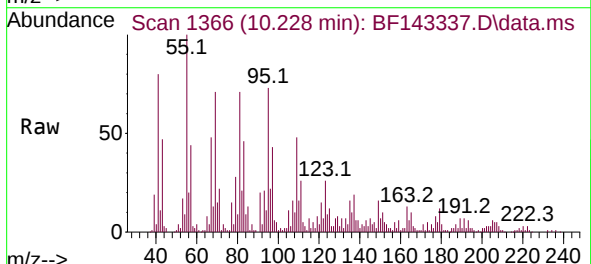
Tgt Ion:184 Resp: 54

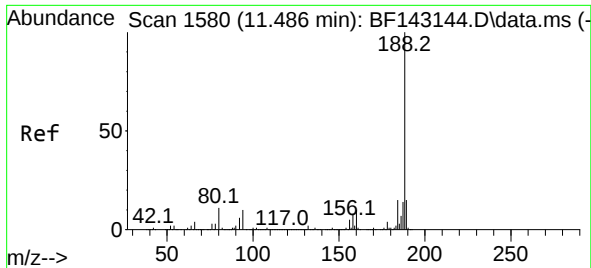
Ion Ratio Lower Upper

184 100

63 634.6 81.8 122.6#

154 777.8 412.2 618.4#

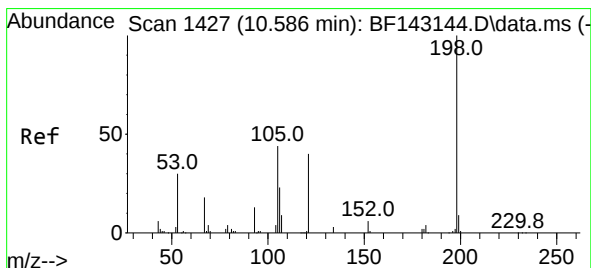
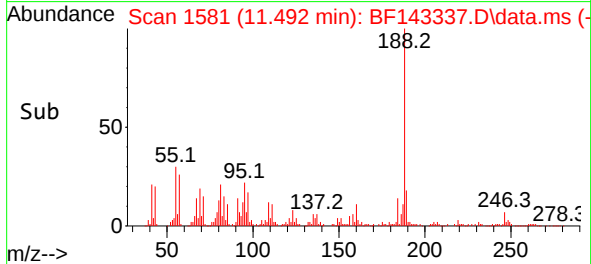
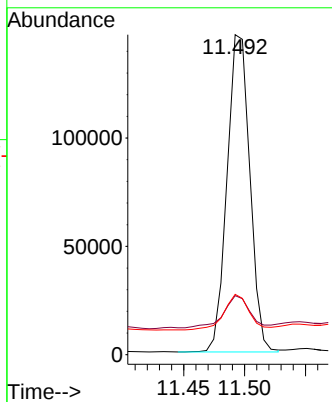
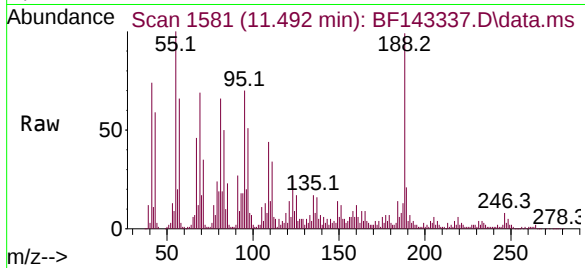




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.492 min Scan# 11
Delta R.T. 0.006 min
Lab File: BF143337.D
Acq: 06 Aug 2025 18:40

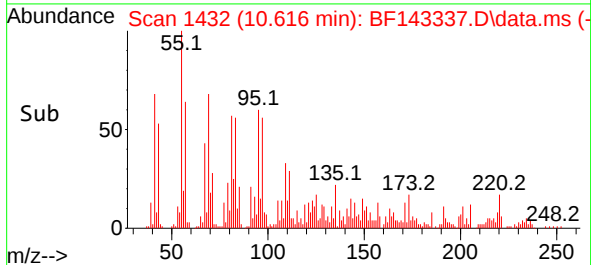
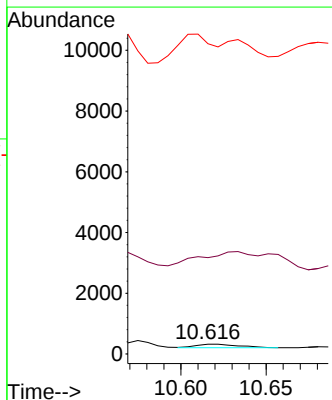
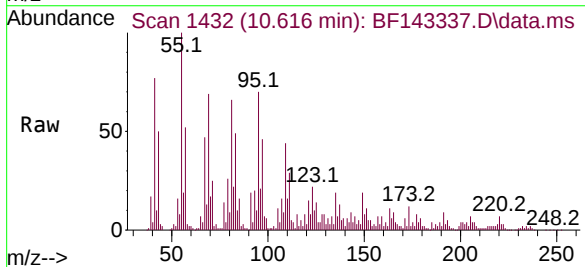
Instrument :
BNA_F
ClientSampleId :
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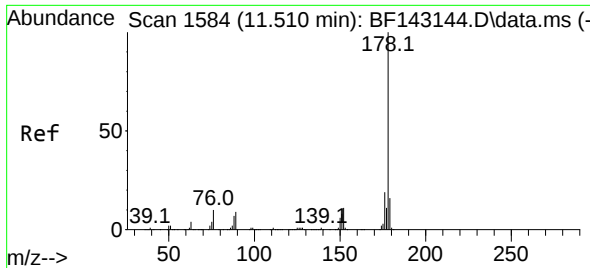
Tgt Ion:188 Resp: 191306
Ion Ratio Lower Upper
188 100
94 18.5 8.3 12.5#
80 18.8 9.0 13.6#



#65
4,6-Dinitro-2-methylphenol
Concen: 5.595 ng
RT: 10.616 min Scan# 1432
Delta R.T. 0.030 min
Lab File: BF143337.D
Acq: 06 Aug 2025 18:40

Tgt Ion:198 Resp: 206
Ion Ratio Lower Upper
198 100
51 987.9 37.2 77.2#
105 3183.5 24.8 64.8#

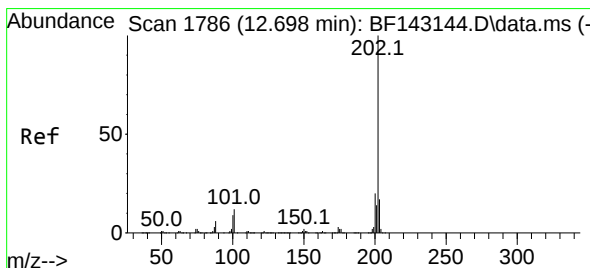
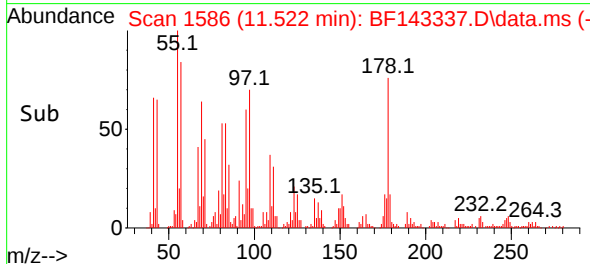
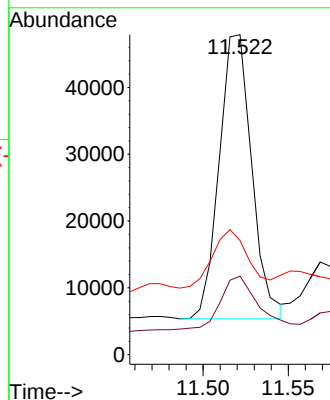
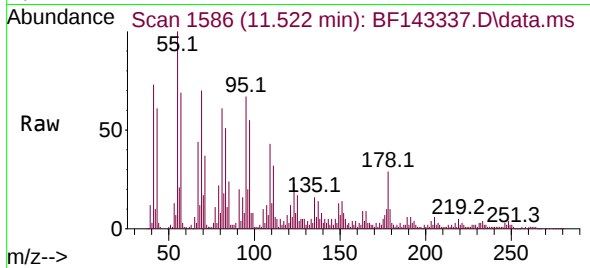




#71
Phenanthrene
Concen: 5.569 ng
RT: 11.522 min Scan# 11522
Delta R.T. 0.012 min
Lab File: BF143337.D
Acq: 06 Aug 2025 18:40

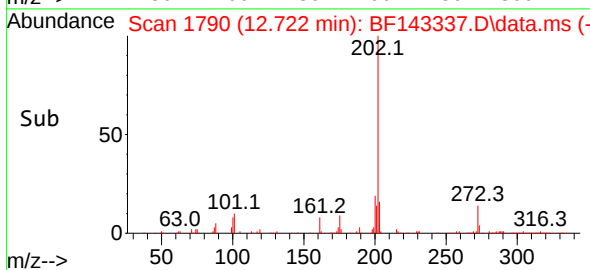
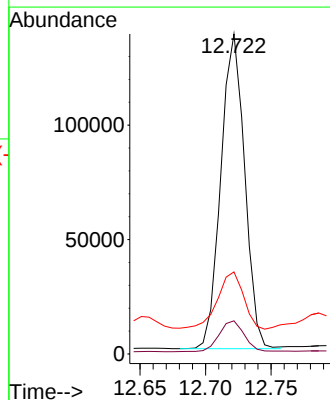
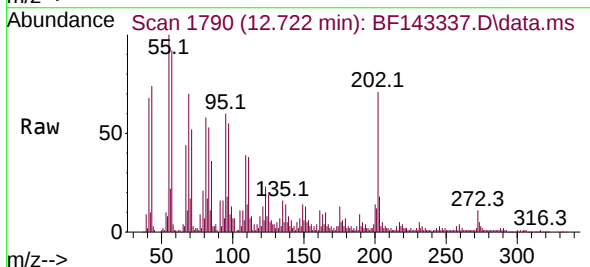
Instrument :
BNA_F
ClientSampleId :
248

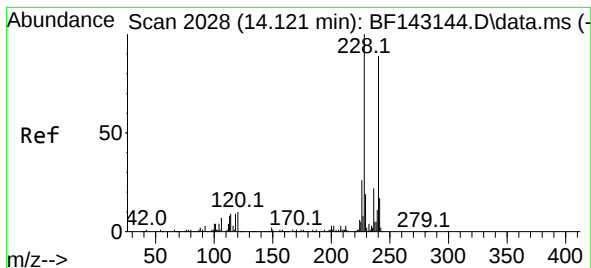
Tgt Ion:178 Resp: 56564
Ion Ratio Lower Upper
178 100
176 24.5 15.3 22.9#
179 35.6 12.5 18.7#



#75
Fluoranthene
Concen: 18.605 ng
RT: 12.722 min Scan# 1790
Delta R.T. 0.024 min
Lab File: BF143337.D
Acq: 06 Aug 2025 18:40

Tgt Ion:202 Resp: 173467
Ion Ratio Lower Upper
202 100
101 10.4 0.0 31.7
203 25.7 0.0 37.4





#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.139 min Scan# 2028

Delta R.T. 0.018 min

Lab File: BF143337.D

Acq: 06 Aug 2025 18:40

Instrument :

BNA_F

ClientSampleId :

248

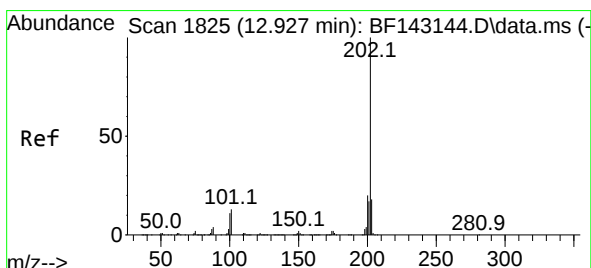
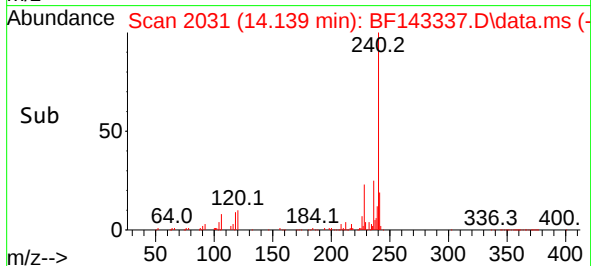
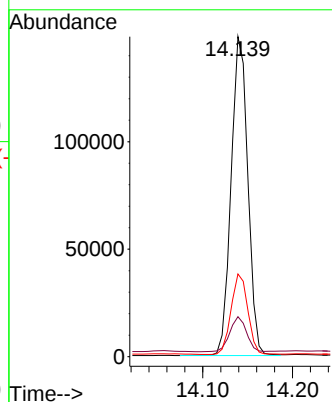
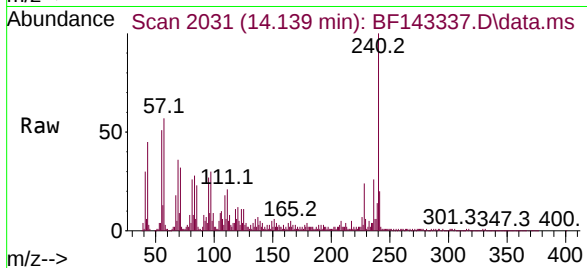
Tgt Ion:240 Resp: 191982

Ion Ratio Lower Upper

240 100

120 12.5 9.4 14.2

236 25.9 20.2 30.4



#78

Pyrene

Concen: 8.752 ng

RT: 12.951 min Scan# 1829

Delta R.T. 0.024 min

Lab File: BF143337.D

Acq: 06 Aug 2025 18:40

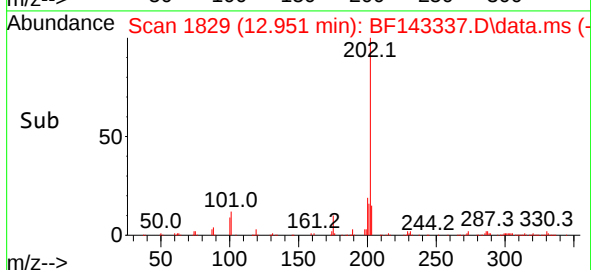
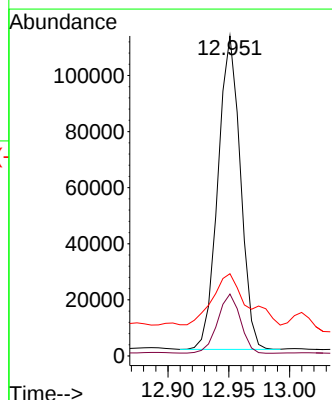
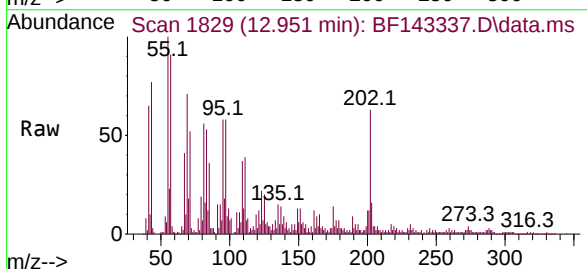
Tgt Ion:202 Resp: 143392

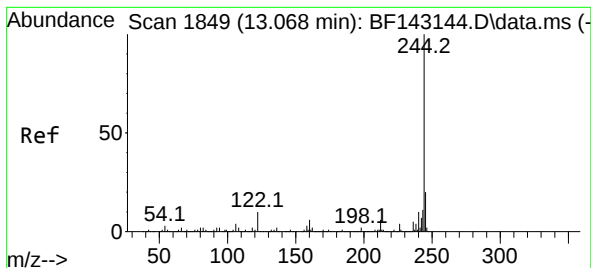
Ion Ratio Lower Upper

202 100

200 19.4 15.7 23.5

203 25.7 14.2 21.2#





#79

Terphenyl-d14

Concen: 18.053 ng

RT: 13.086 min Scan# 1

Delta R.T. 0.018 min

Lab File: BF143337.D

Acq: 06 Aug 2025 18:40

Instrument :

BNA_F

ClientSampleId :

248

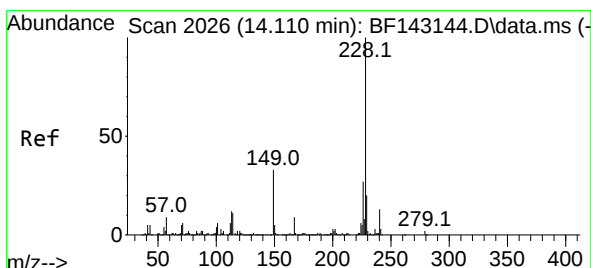
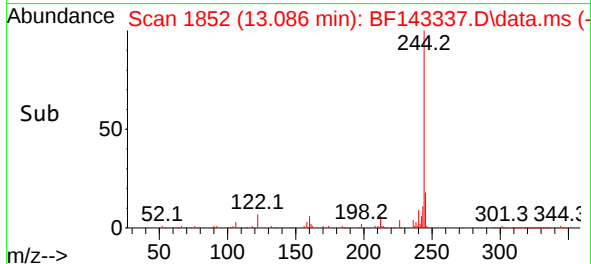
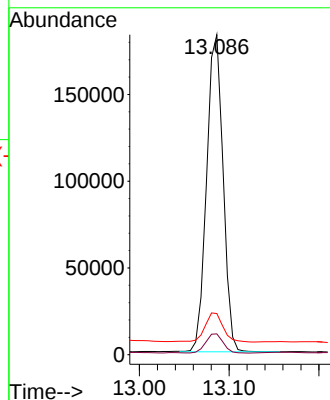
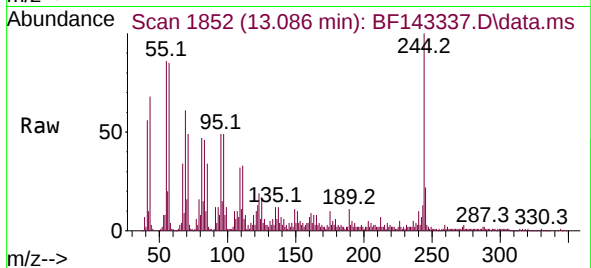
Tgt Ion:244 Resp: 232906

Ion Ratio Lower Upper

244 100

212 6.5 5.2 7.8

122 12.8 8.2 12.2#



#81

Benzo(a)anthracene

Concen: 5.581 ng

RT: 14.133 min Scan# 2030

Delta R.T. 0.024 min

Lab File: BF143337.D

Acq: 06 Aug 2025 18:40

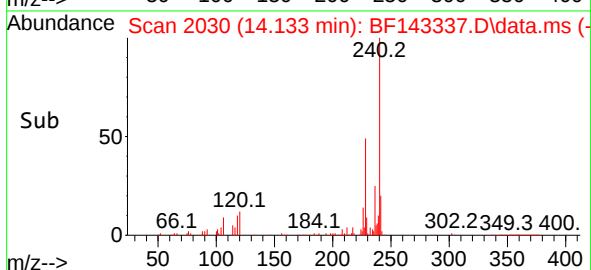
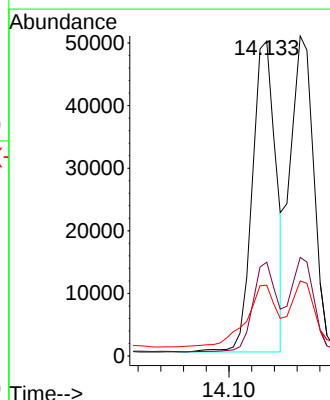
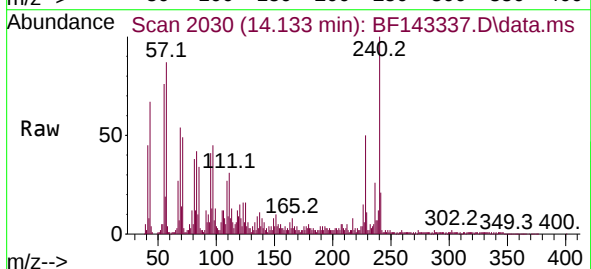
Tgt Ion:228 Resp: 71737

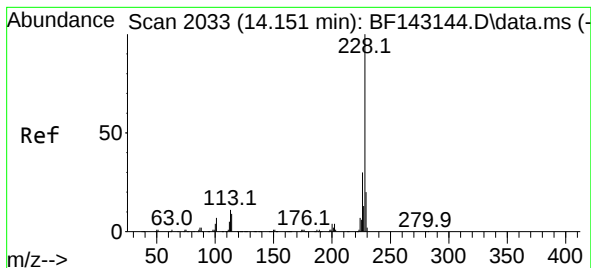
Ion Ratio Lower Upper

228 100

226 29.8 21.7 32.5

229 22.5 15.8 23.6





#83

Chrysene

Concen: 6.208 ng

RT: 14.133 min Scan# 2030

Delta R.T. -0.017 min

Lab File: BF143337.D

Acq: 06 Aug 2025 18:40

Instrument :

BNA_F

ClientSampleId :

248

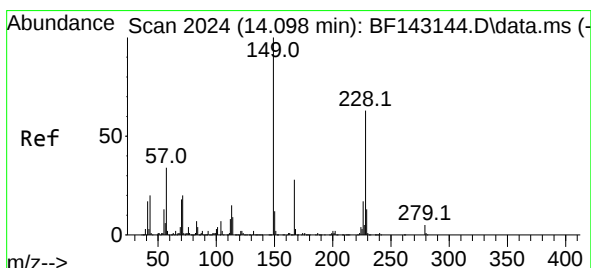
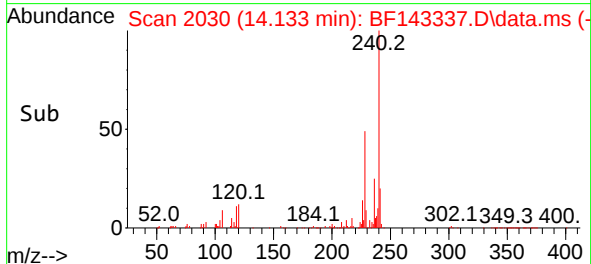
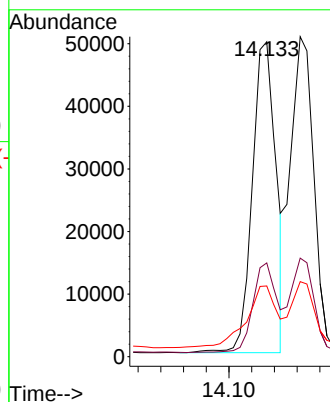
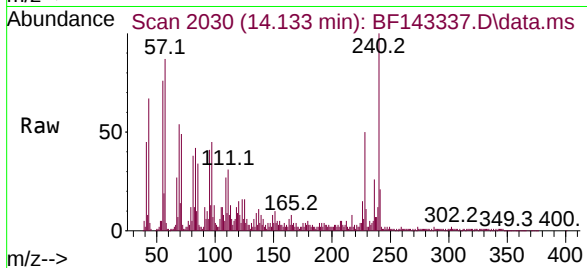
Tgt Ion:228 Resp: 71737

Ion Ratio Lower Upper

228 100

226 29.8 23.8 35.8

229 22.5 15.6 23.4



#84

Bis(2-ethylhexyl)phthalate

Concen: 2.331 ng

RT: 14.110 min Scan# 2026

Delta R.T. 0.012 min

Lab File: BF143337.D

Acq: 06 Aug 2025 18:40

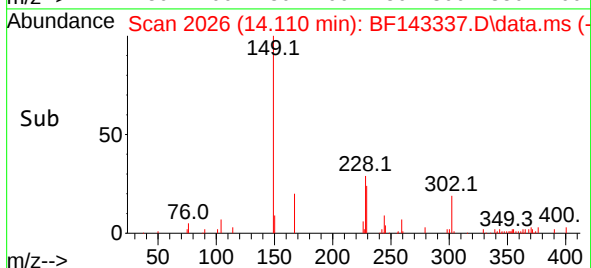
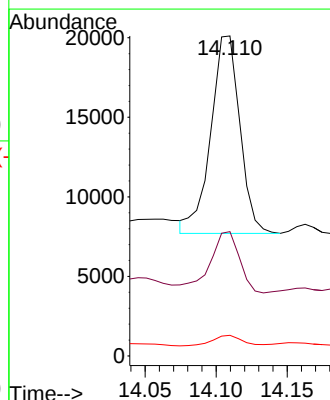
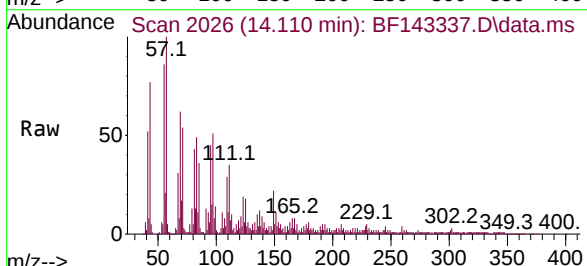
Tgt Ion:149 Resp: 17703

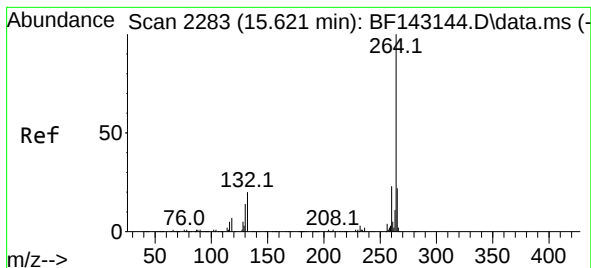
Ion Ratio Lower Upper

149 100

167 38.8 22.3 33.5#

279 6.4 3.6 5.4#





#86

Perylene-d12

Concen: 20.000 ng

RT: 15.651 min Scan# 21

Delta R.T. 0.030 min

Lab File: BF143337.D

Acq: 06 Aug 2025 18:40

Instrument :

BNA_F

ClientSampleId :

248

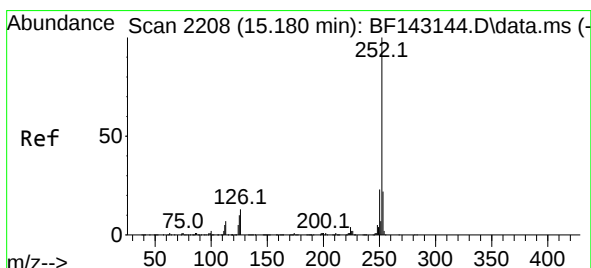
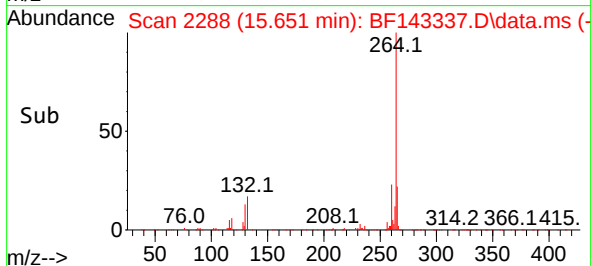
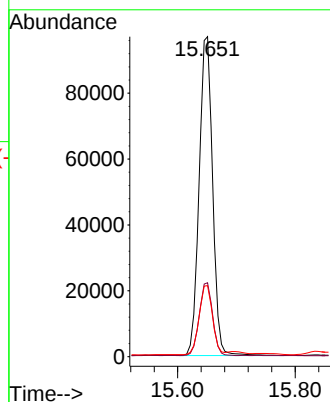
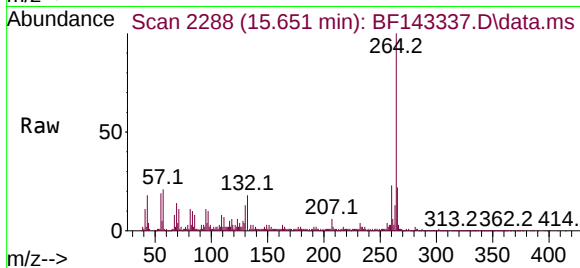
Tgt Ion:264 Resp: 154050

Ion Ratio Lower Upper

264 100

260 23.1 18.5 27.7

265 22.2 17.4 26.2



#88

Benzo(b)fluoranthene

Concen: 11.616 ng

RT: 15.204 min Scan# 2212

Delta R.T. 0.024 min

Lab File: BF143337.D

Acq: 06 Aug 2025 18:40

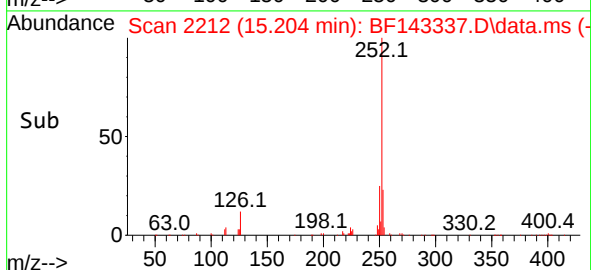
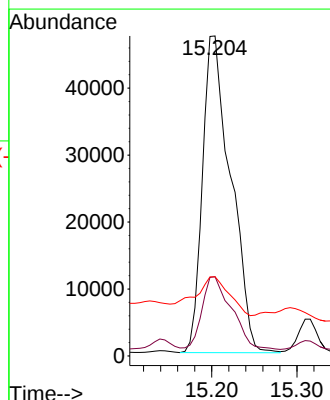
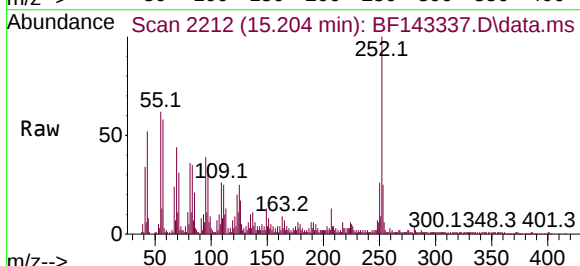
Tgt Ion:252 Resp: 109315

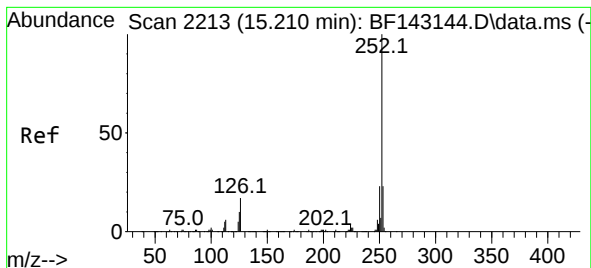
Ion Ratio Lower Upper

252 100

253 24.7 17.5 26.3

125 24.7 8.0 12.0#





#89

Benzo(k)fluoranthene

Concen: 13.017 ng

RT: 15.204 min Scan# 21

Delta R.T. -0.006 min

Lab File: BF143337.D

Acq: 06 Aug 2025 18:40

Instrument :

BNA_F

ClientSampleId :

248

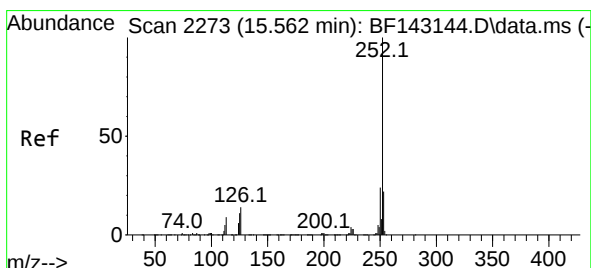
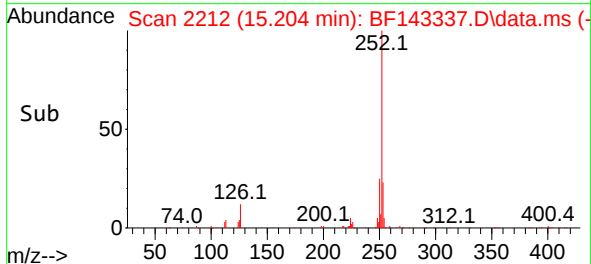
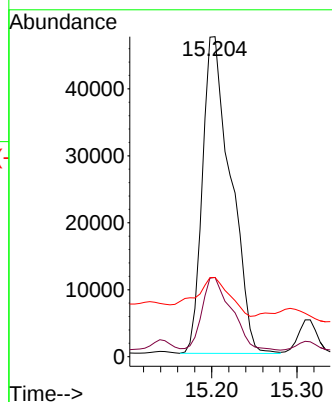
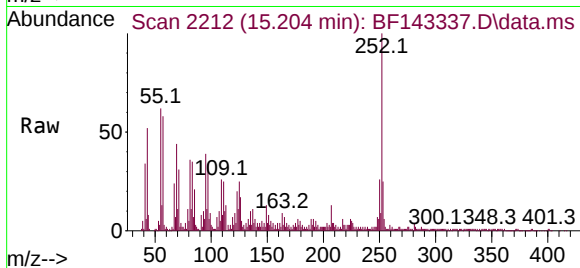
Tgt Ion:252 Resp: 109315

Ion Ratio Lower Upper

252 100

253 24.7 17.8 26.6

125 24.7 8.1 12.1#



#90

Benzo(a)pyrene

Concen: 4.573 ng

RT: 15.580 min Scan# 2276

Delta R.T. 0.018 min

Lab File: BF143337.D

Acq: 06 Aug 2025 18:40

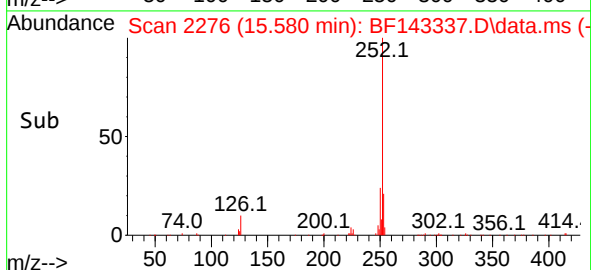
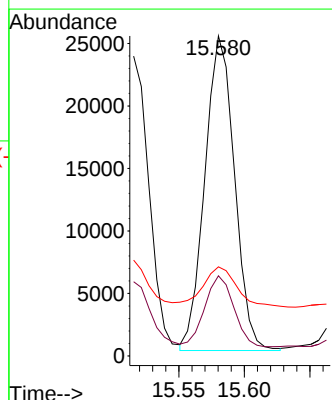
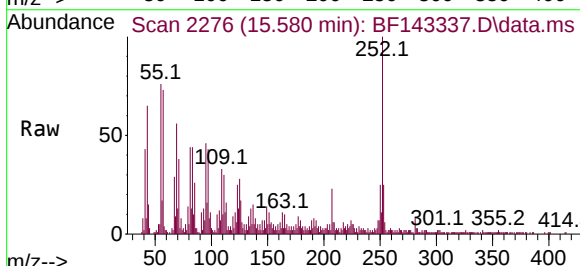
Tgt Ion:252 Resp: 39655

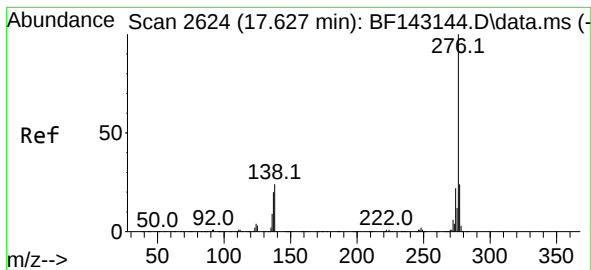
Ion Ratio Lower Upper

252 100

253 25.1 17.3 25.9

125 27.8 8.6 13.0#





#92

Benzo(g,h,i)perylene

Concen: 2.726 ng

RT: 17.657 min Scan# 20

Delta R.T. 0.030 min

Lab File: BF143337.D

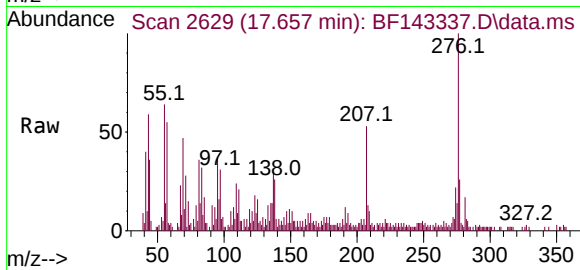
Acq: 06 Aug 2025 18:40

Instrument :

BNA_F

ClientSampleId :

248



Tgt Ion:276 Resp: 23313

Ion Ratio Lower Upper

276 100

277 25.8 19.1 28.7

138 25.9 18.9 28.3

