

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF032725\
 Data File : BF142149.D
 Acq On : 28 Mar 2025 03:06
 Operator : RC/JU
 Sample : Q1634-03 2X
 Misc :
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 HR-04-032425

Quant Time: Mar 28 03:58:16 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF031025.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Mar 10 15:46:22 2025
 Response via : Initial Calibration

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

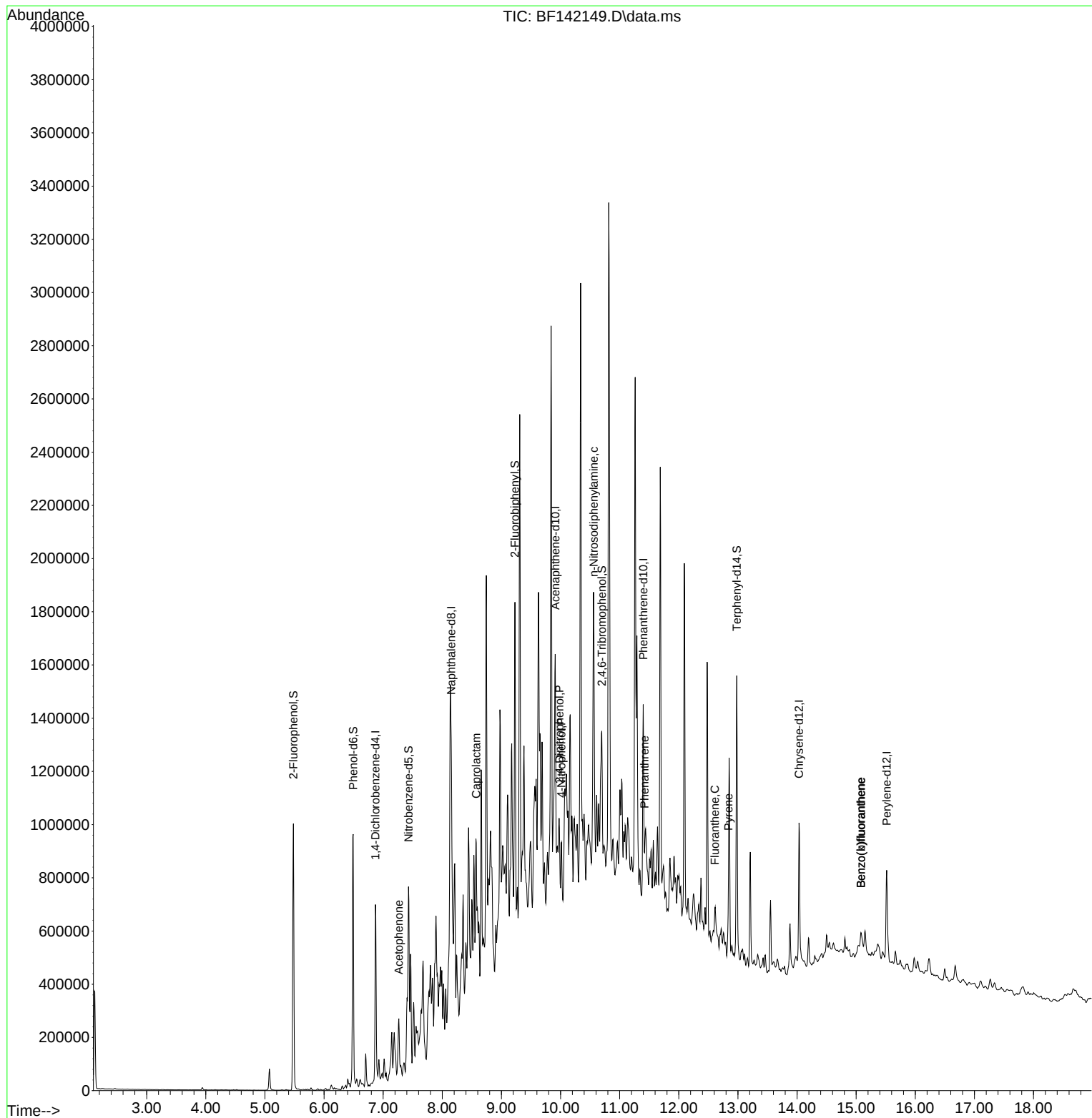
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.869	152	140761	20.000	ng	-0.01
21) Naphthalene-d8	8.151	136	475873	20.000	ng	-0.01
39) Acenaphthene-d10	9.910	164	218800	20.000	ng	0.00
64) Phenanthrene-d10	11.398	188	324626	20.000	ng	0.00
76) Chrysene-d12	14.033	240	256965	20.000	ng	0.00
86) Perylene-d12	15.515	264	202993	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.481	112	392275	46.511	ng	-0.01
7) Phenol-d6	6.493	99	473690	44.112	ng	-0.01
23) Nitrobenzene-d5	7.428	82	295405	34.934	ng	-0.02
42) 2,4,6-Tribromophenol	10.698	330	111718	40.248	ng	0.00
45) 2-Fluorobiphenyl	9.228	172	523893	36.414	ng	-0.01
79) Terphenyl-d14	12.980	244	487308	28.037	ng	0.00
Target Compounds						
						Qvalue
22) Acetophenone	7.263	105	40062	3.515	ng	# 56
35) Caprolactam	8.575	113	17787	8.274	ng	# 1
54) 2,4-Dinitrophenol	9.981	184	370	6.761	ng	# 1
56) 4-Nitrophenol	10.016	139	5237	2.146	ng	# 8
66) n-Nitrosodiphenylamine	10.563	169	30522	2.905	ng	# 59
71) Phenanthrene	11.422	178	37948	2.164	ng	# 90
75) Fluoranthene	12.610	202	59686	3.209	ng	95
78) Pyrene	12.839	202	67251	3.026	ng	96
88) Benzo(b)fluoranthene	15.080	252	36524	2.625	ng	# 63
89) Benzo(k)fluoranthene	15.080	252	36524	3.068	ng	# 64

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

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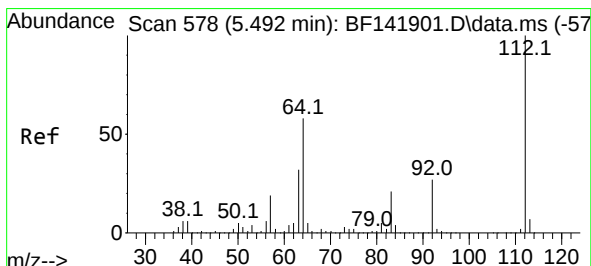
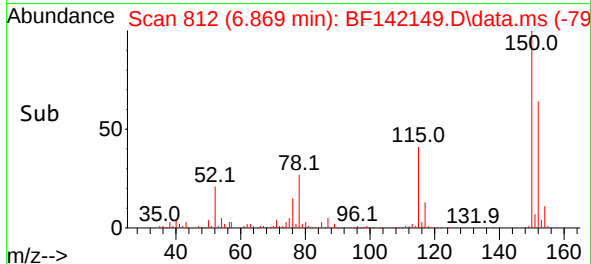
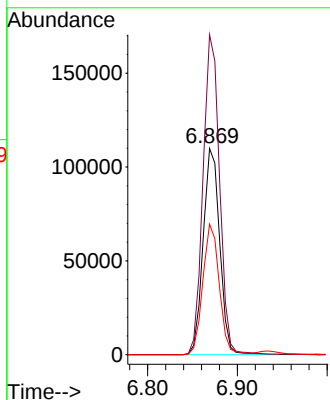
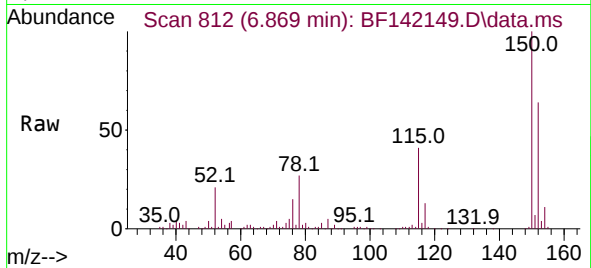




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.869 min Scan# 814
Delta R.T. -0.012 min
Lab File: BF142149.D
Acq: 28 Mar 2025 03:06

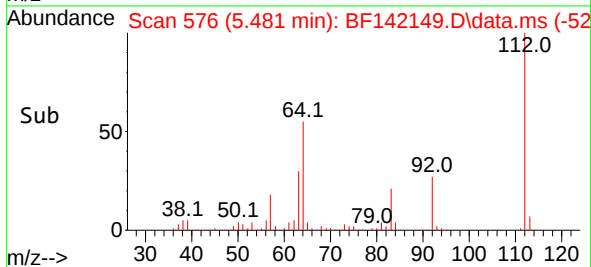
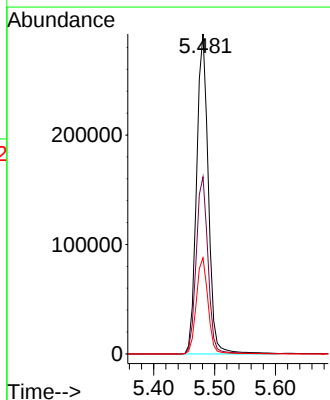
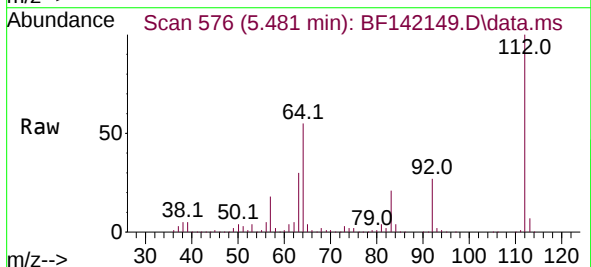
Instrument :
BNA_F
ClientSampleId :
HR-04-032425

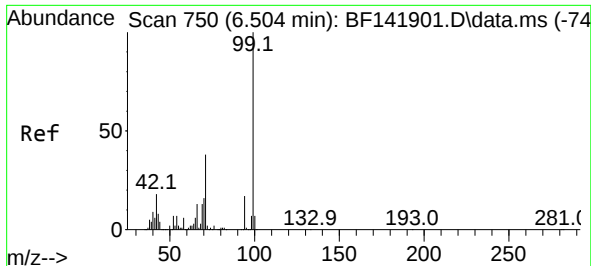
Tgt Ion:152 Resp: 140761
Ion Ratio Lower Upper
152 100
150 155.1 127.4 191.2
115 63.3 51.9 77.9



#5
2-Fluorophenol
Concen: 46.511 ng
RT: 5.481 min Scan# 576
Delta R.T. -0.012 min
Lab File: BF142149.D
Acq: 28 Mar 2025 03:06

Tgt Ion:112 Resp: 392275
Ion Ratio Lower Upper
112 100
64 55.4 46.5 69.7
63 30.1 25.4 38.2

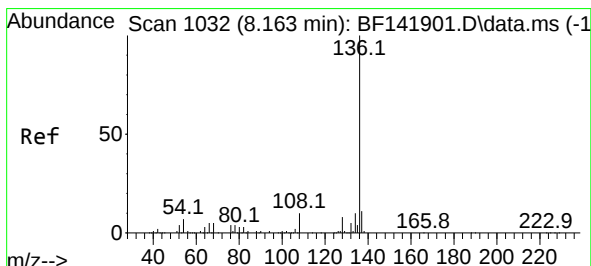
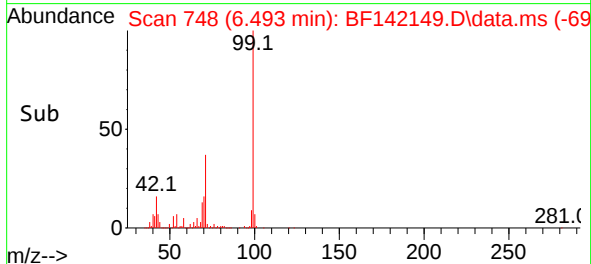
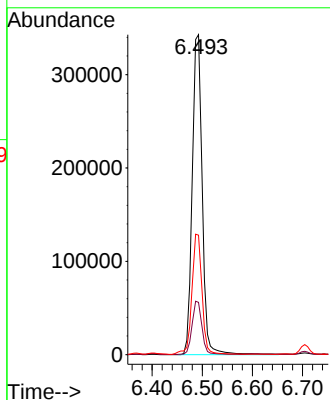
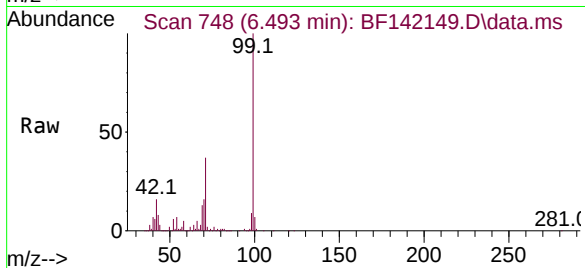




#7
Phenol-d6
Concen: 44.112 ng
RT: 6.493 min Scan# 74
Delta R.T. -0.012 min
Lab File: BF142149.D
Acq: 28 Mar 2025 03:06

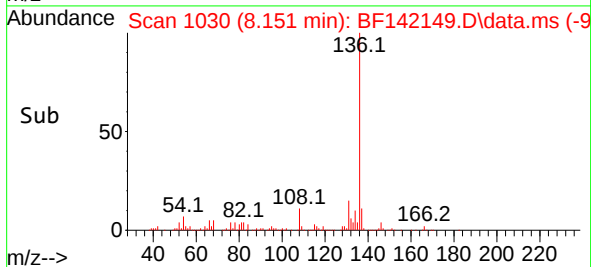
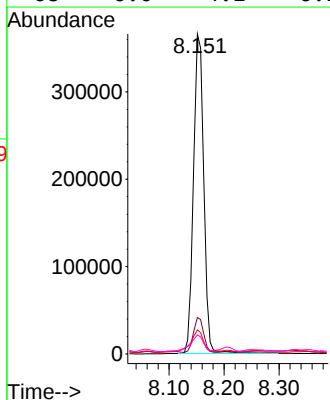
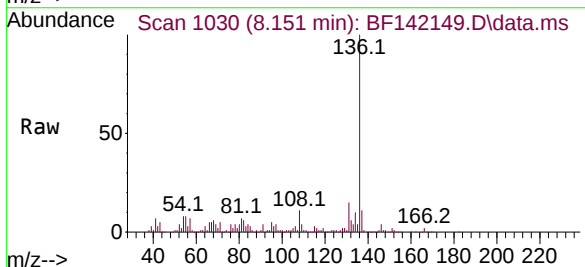
Instrument :
BNA_F
ClientSampleId :
HR-04-032425

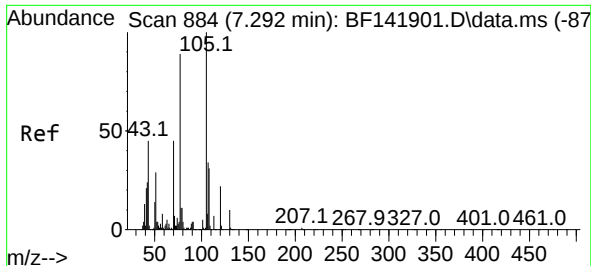
Tgt Ion: 99 Resp: 473690
Ion Ratio Lower Upper
99 100
42 16.4 14.6 21.8
71 37.3 30.8 46.2



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.151 min Scan# 1030
Delta R.T. -0.012 min
Lab File: BF142149.D
Acq: 28 Mar 2025 03:06

Tgt Ion:136 Resp: 475873
Ion Ratio Lower Upper
136 100
137 11.4 8.8 13.2
54 7.5 5.8 8.8
68 6.0 4.1 6.1

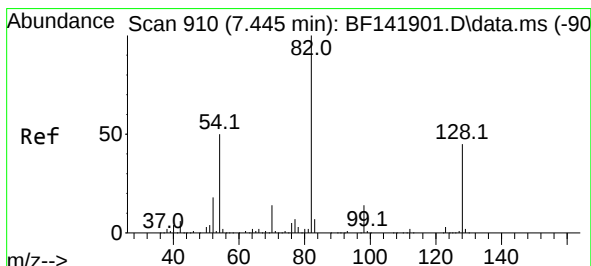
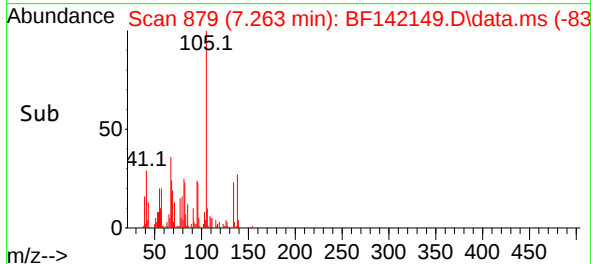
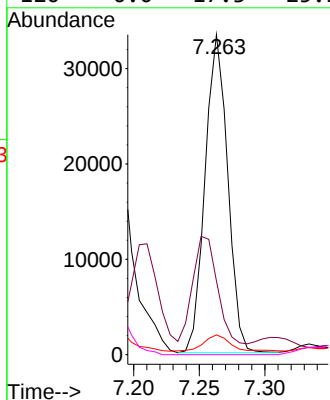
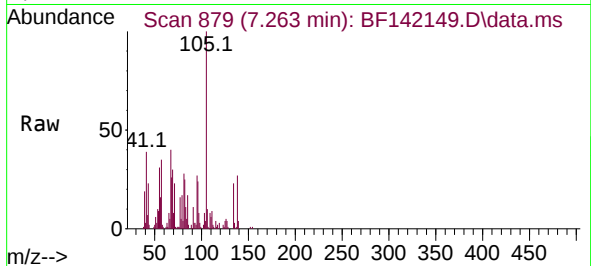




#22
Acetophenone
Concen: 3.515 ng
RT: 7.263 min Scan# 81
Delta R.T. -0.029 min
Lab File: BF142149.D
Acq: 28 Mar 2025 03:06

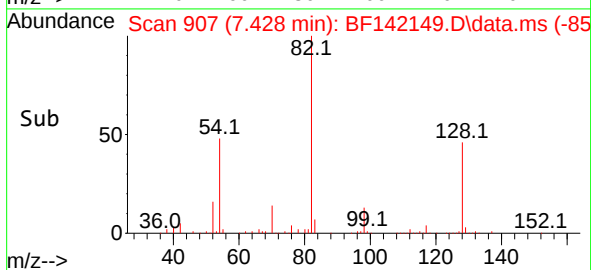
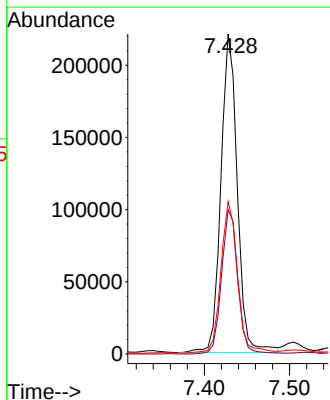
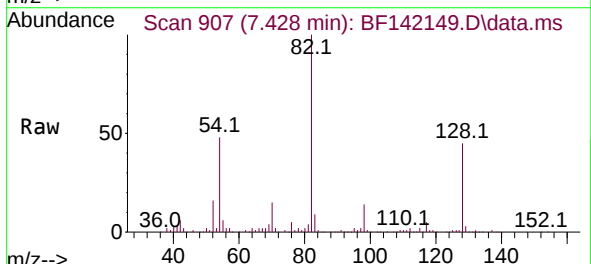
Instrument :
BNA_F
ClientSampleId :
HR-04-032425

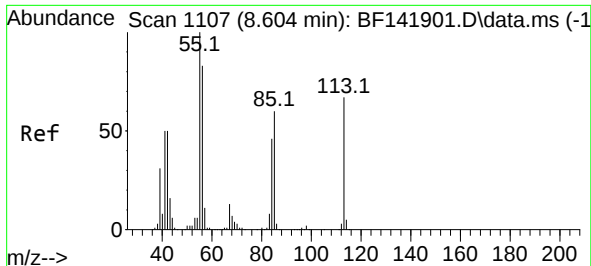
Tgt Ion:	105	Resp:	40062
Ion	Ratio	Lower	Upper
105	100		
71	23.1	5.8	8.8#
51	6.2	23.4	35.0#
120	0.0	17.3	25.9#



#23
Nitrobenzene-d5
Concen: 34.934 ng
RT: 7.428 min Scan# 907
Delta R.T. -0.018 min
Lab File: BF142149.D
Acq: 28 Mar 2025 03:06

Tgt Ion:	82	Resp:	295405
Ion	Ratio	Lower	Upper
82	100		
128	45.1	36.0	54.0
54	47.6	39.6	59.4

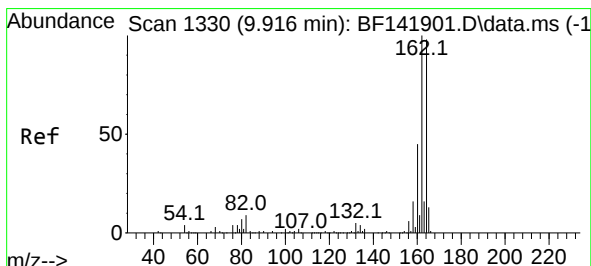
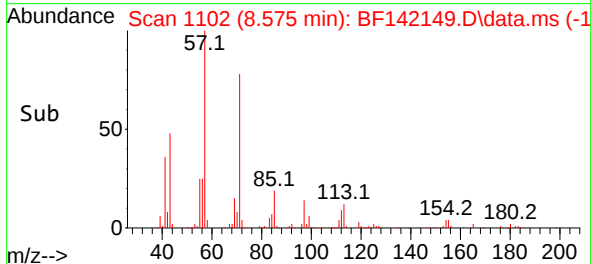
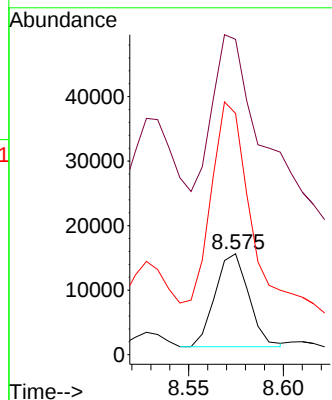
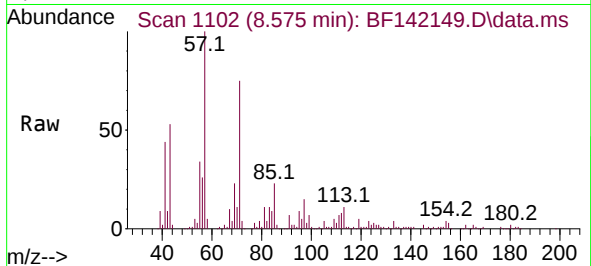




#35
 Caprolactam
 Concen: 8.274 ng
 RT: 8.575 min Scan# 1107
 Delta R.T. -0.029 min
 Lab File: BF142149.D
 Acq: 28 Mar 2025 03:06

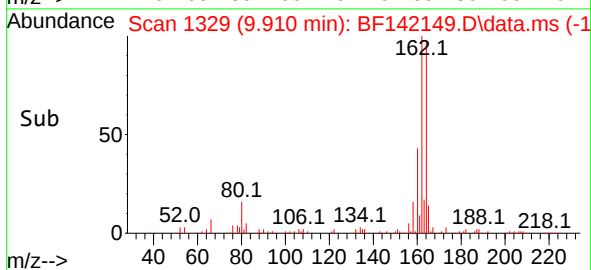
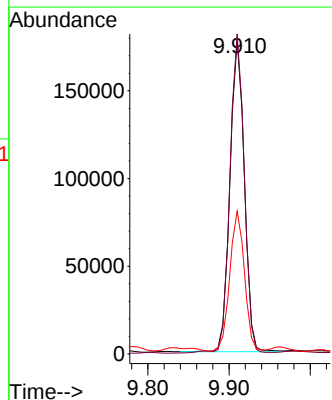
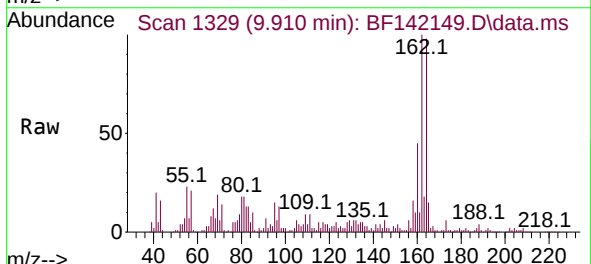
Instrument :
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 ClientSampleId :
 HR-04-032425

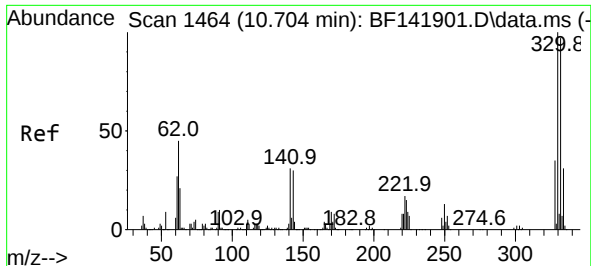
Tgt Ion:113 Resp: 17787
 Ion Ratio Lower Upper
 113 100
 55 312.4 129.6 169.6#
 56 239.0 104.0 144.0#



#39
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.910 min Scan# 1329
 Delta R.T. -0.006 min
 Lab File: BF142149.D
 Acq: 28 Mar 2025 03:06

Tgt Ion:164 Resp: 218800
 Ion Ratio Lower Upper
 164 100
 162 102.1 81.8 122.6
 160 45.6 36.7 55.1





#42

2,4,6-Tribromophenol

Concen: 40.248 ng

RT: 10.698 min Scan# 1463

Delta R.T. -0.006 min

Lab File: BF142149.D

Acq: 28 Mar 2025 03:06

Instrument :

BNA_F

ClientSampleId :

HR-04-032425

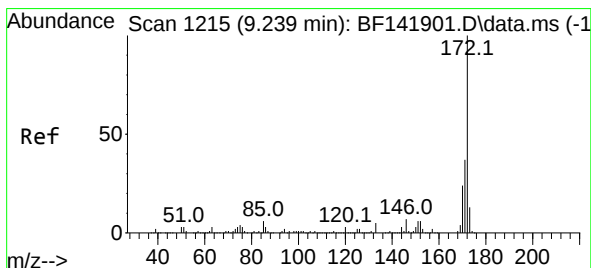
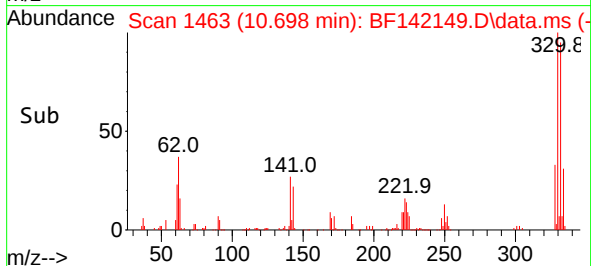
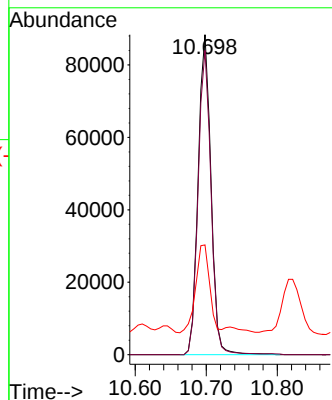
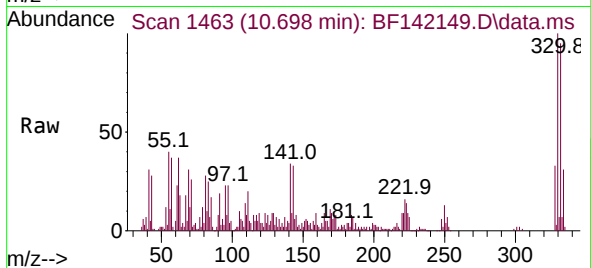
Tgt Ion:330 Resp: 111718

Ion Ratio Lower Upper

330 100

332 94.8 77.6 116.4

141 29.7 24.7 37.1



#45

2-Fluorobiphenyl

Concen: 36.414 ng

RT: 9.228 min Scan# 1213

Delta R.T. -0.012 min

Lab File: BF142149.D

Acq: 28 Mar 2025 03:06

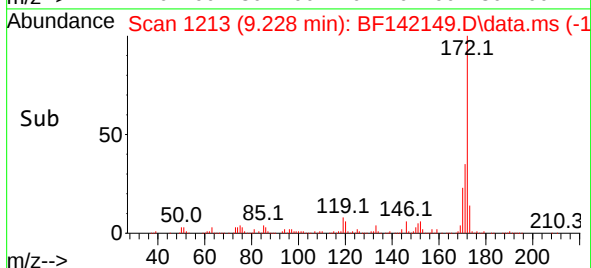
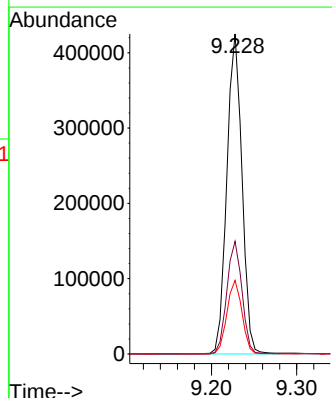
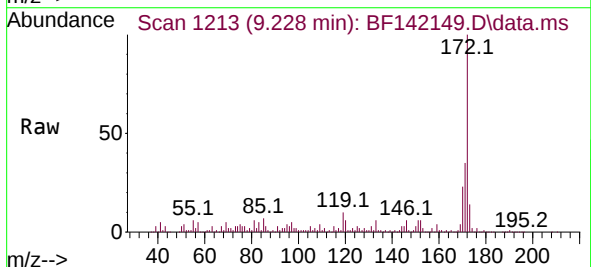
Tgt Ion:172 Resp: 523893

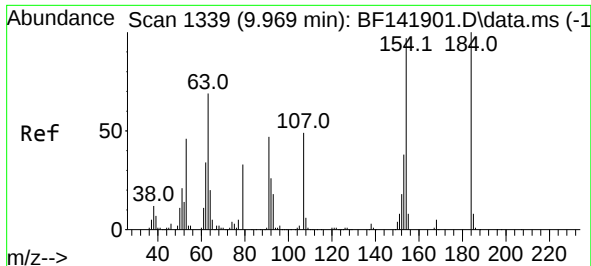
Ion Ratio Lower Upper

172 100

171 35.2 29.3 43.9

170 23.0 19.4 29.0

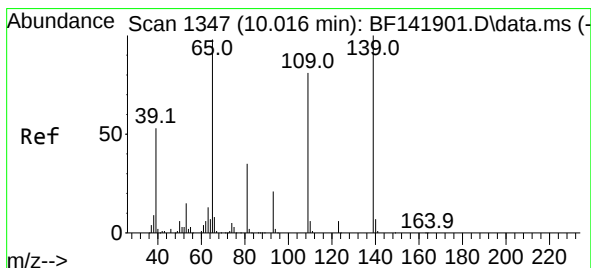
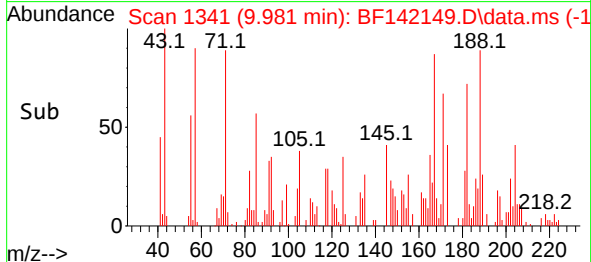
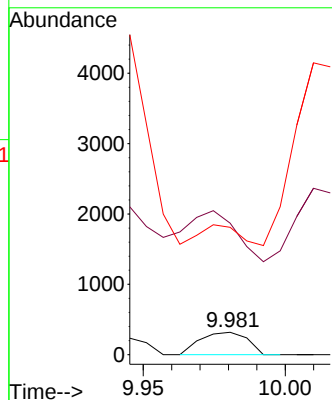
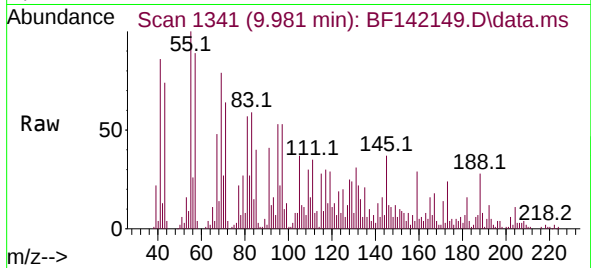




#54
2,4-Dinitrophenol
Concen: 6.761 ng
RT: 9.981 min Scan# 1341
Delta R.T. 0.012 min
Lab File: BF142149.D
Acq: 28 Mar 2025 03:06

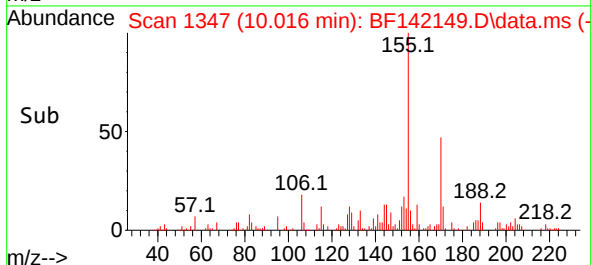
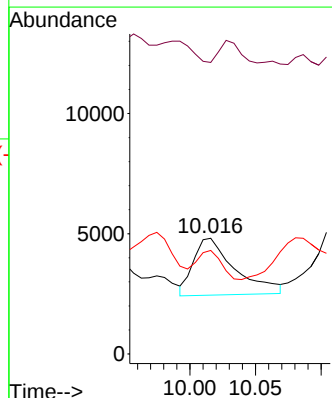
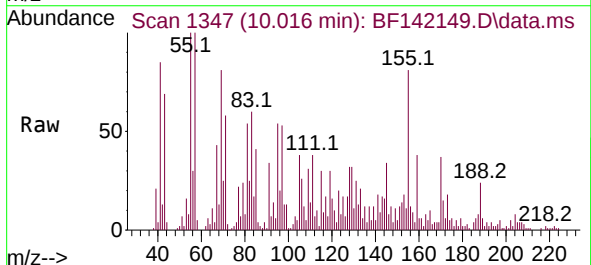
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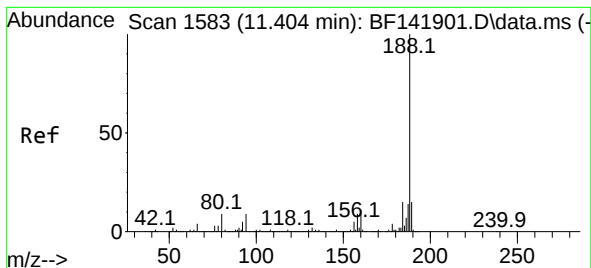
Tgt Ion:184 Resp: 370
Ion Ratio Lower Upper
184 100
63 587.7 60.2 90.4#
154 569.5 132.9 199.3#



#56
4-Nitrophenol
Concen: 2.146 ng
RT: 10.016 min Scan# 1347
Delta R.T. 0.000 min
Lab File: BF142149.D
Acq: 28 Mar 2025 03:06

Tgt Ion:139 Resp: 5237
Ion Ratio Lower Upper
139 100
109 252.2 61.6 101.6#
65 89.5 79.4 119.4





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.398 min Scan# 11

Delta R.T. -0.006 min

Lab File: BF142149.D

Acq: 28 Mar 2025 03:06

Instrument :

BNA_F

ClientSampleId :

HR-04-032425

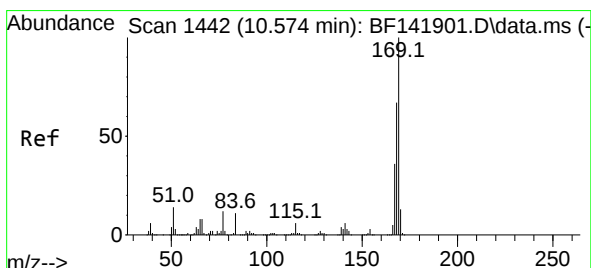
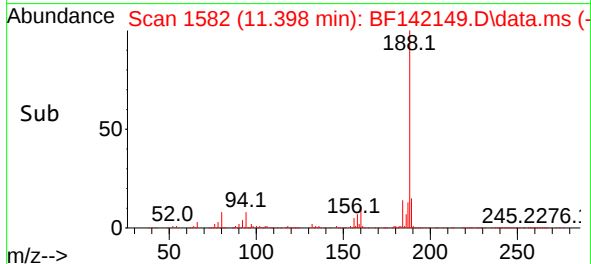
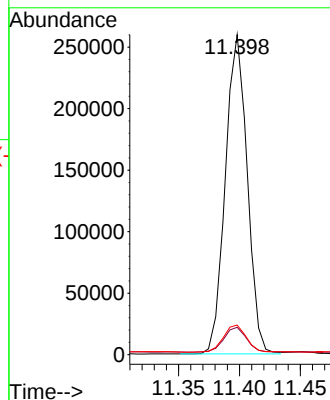
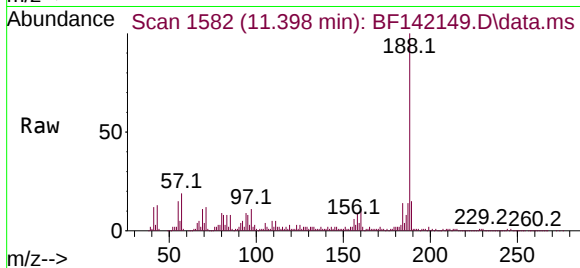
Tgt Ion:188 Resp: 324626

Ion Ratio Lower Upper

188 100

94 8.5 6.8 10.2

80 9.2 7.6 11.4



#66

n-Nitrosodiphenylamine

Concen: 2.905 ng

RT: 10.563 min Scan# 1440

Delta R.T. -0.012 min

Lab File: BF142149.D

Acq: 28 Mar 2025 03:06

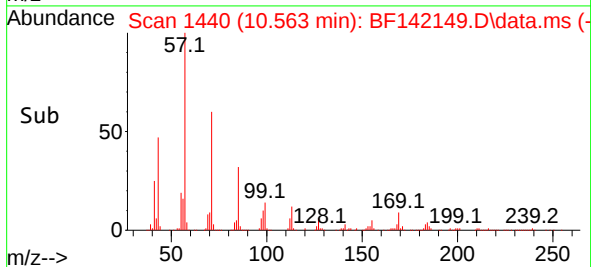
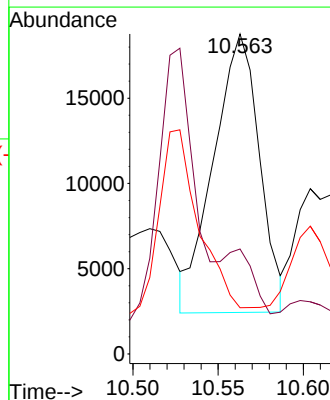
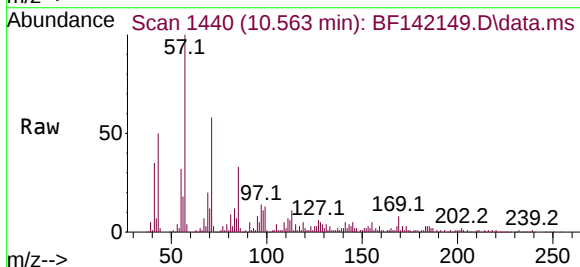
Tgt Ion:169 Resp: 30522

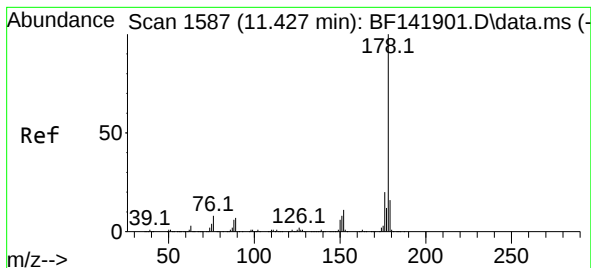
Ion Ratio Lower Upper

169 100

168 32.8 53.7 80.5#

167 14.5 29.2 43.8#





#71

Phenanthrene

Concen: 2.164 ng

RT: 11.422 min Scan# 11

Delta R.T. -0.006 min

Lab File: BF142149.D

Acq: 28 Mar 2025 03:06

Instrument :

BNA_F

ClientSampleId :

HR-04-032425

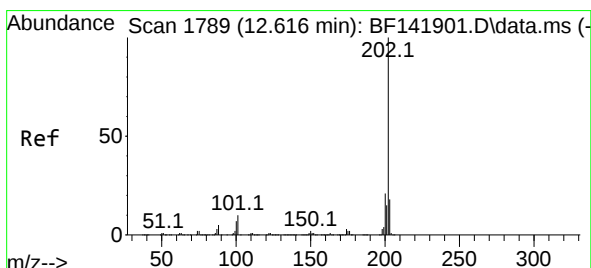
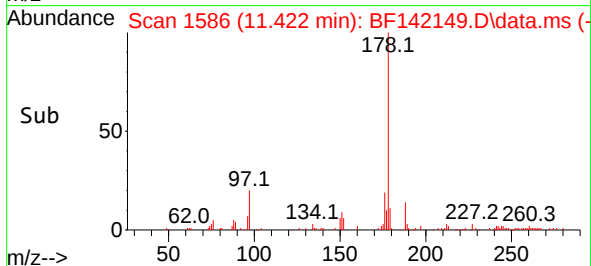
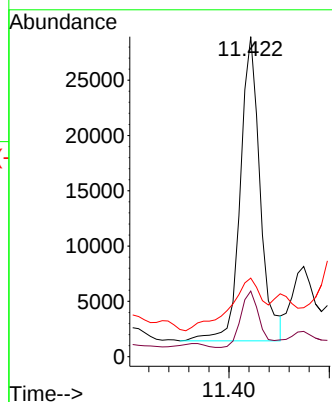
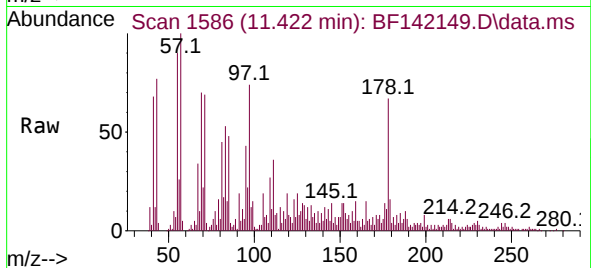
Tgt Ion:178 Resp: 37948

Ion Ratio Lower Upper

178 100

176 20.5 15.8 23.8

179 24.5 12.6 19.0#



#75

Fluoranthene

Concen: 3.209 ng

RT: 12.610 min Scan# 1788

Delta R.T. -0.006 min

Lab File: BF142149.D

Acq: 28 Mar 2025 03:06

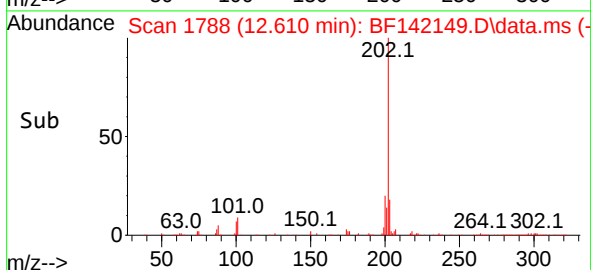
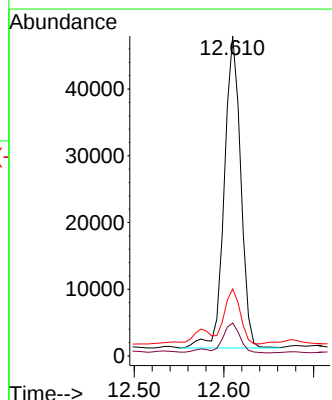
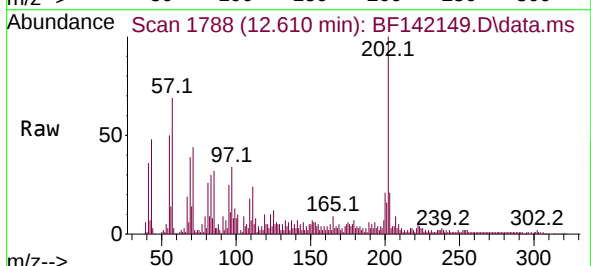
Tgt Ion:202 Resp: 59686

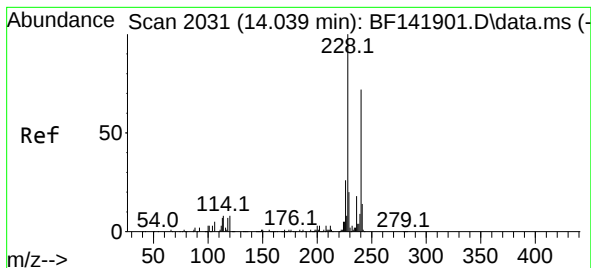
Ion Ratio Lower Upper

202 100

101 10.3 0.0 29.7

203 21.0 0.0 37.8





#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.033 min Scan# 2031

Delta R.T. -0.006 min

Lab File: BF142149.D

Acq: 28 Mar 2025 03:06

Instrument :

BNA_F

ClientSampleId :

HR-04-032425

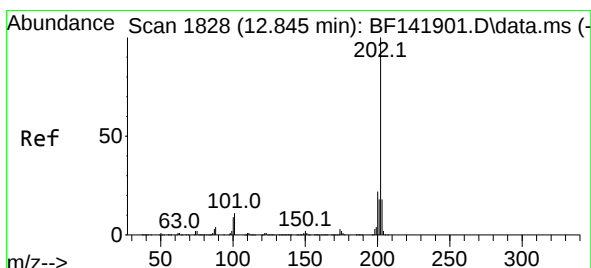
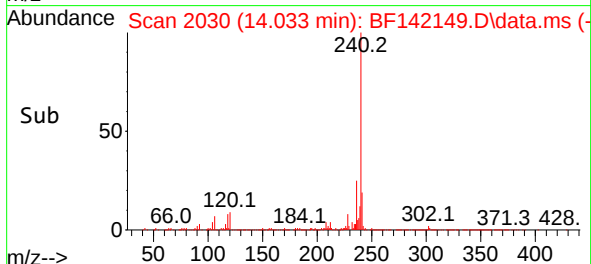
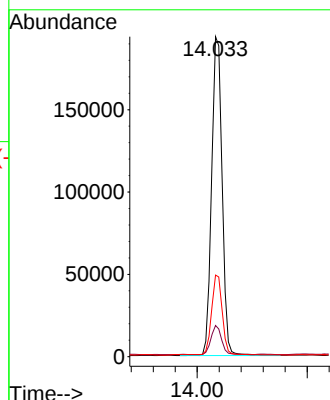
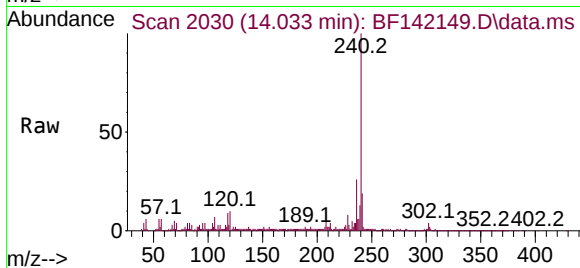
Tgt Ion:240 Resp: 256965

Ion Ratio Lower Upper

240 100

120 9.8 8.4 12.6

236 25.5 20.5 30.7



#78

Pyrene

Concen: 3.026 ng

RT: 12.839 min Scan# 1827

Delta R.T. -0.006 min

Lab File: BF142149.D

Acq: 28 Mar 2025 03:06

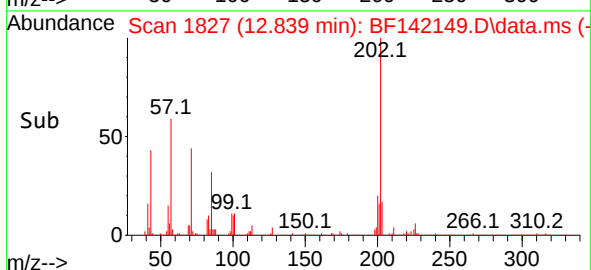
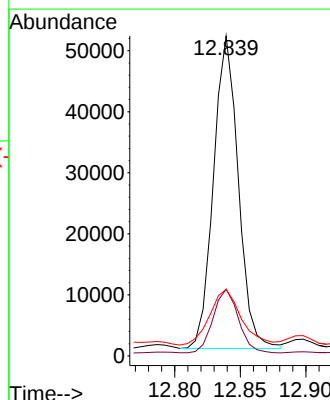
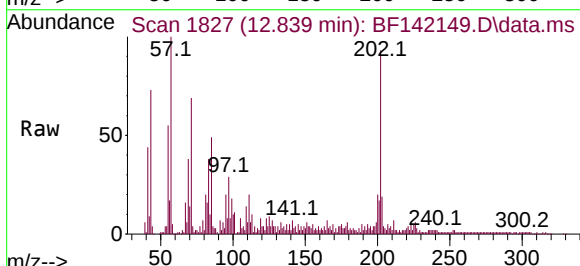
Tgt Ion:202 Resp: 67251

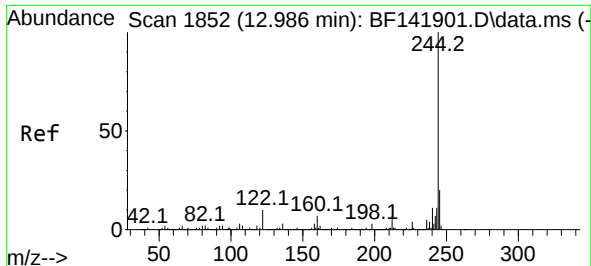
Ion Ratio Lower Upper

202 100

200 20.9 17.3 25.9

203 20.8 14.4 21.6

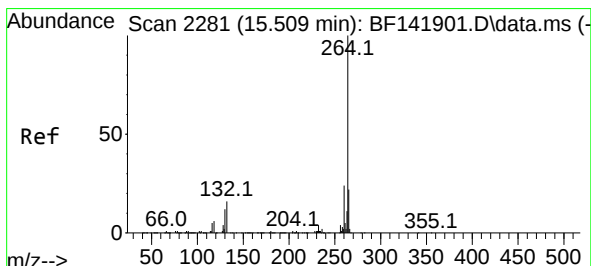
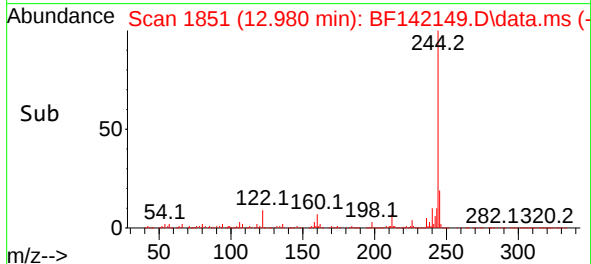
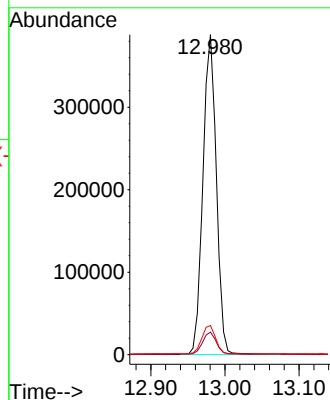
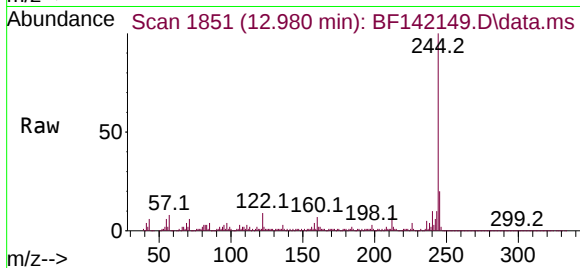




#79
 Terphenyl-d14
 Concen: 28.037 ng
 RT: 12.980 min Scan# 1851
 Delta R.T. -0.006 min
 Lab File: BF142149.D
 Acq: 28 Mar 2025 03:06

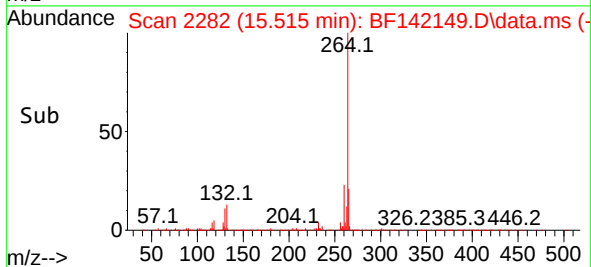
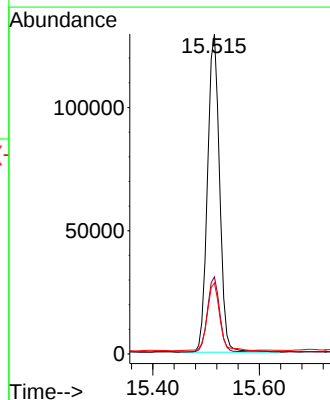
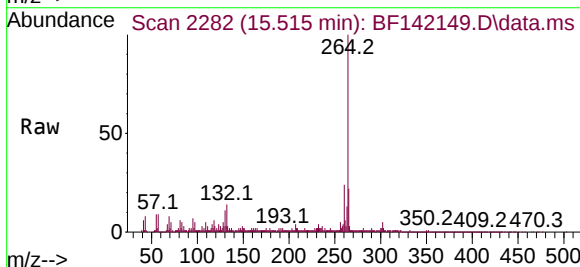
Instrument :
 BNA_F
 ClientSampleId :
 HR-04-032425

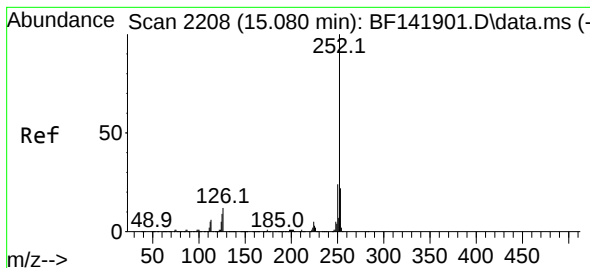
Tgt Ion:244 Resp: 487308
 Ion Ratio Lower Upper
 244 100
 212 7.0 6.0 9.0
 122 9.1 7.7 11.5



#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.515 min Scan# 2282
 Delta R.T. 0.006 min
 Lab File: BF142149.D
 Acq: 28 Mar 2025 03:06

Tgt Ion:264 Resp: 202993
 Ion Ratio Lower Upper
 264 100
 260 24.1 19.1 28.7
 265 22.2 17.5 26.3





#88

Benzo(b)fluoranthene

Concen: 2.625 ng

RT: 15.080 min Scan# 2208

Delta R.T. 0.000 min

Lab File: BF142149.D

Acq: 28 Mar 2025 03:06

Instrument :

BNA_F

ClientSampleId :

HR-04-032425

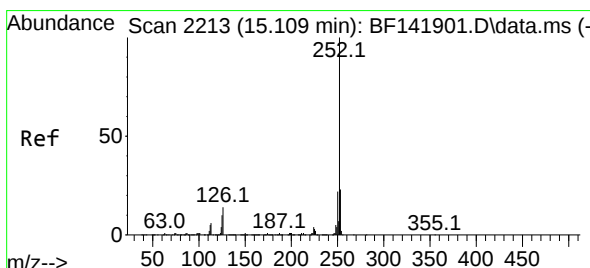
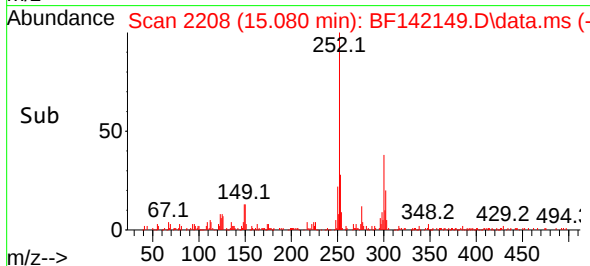
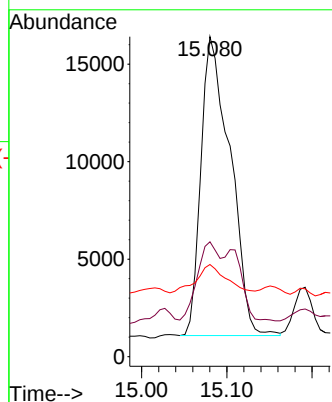
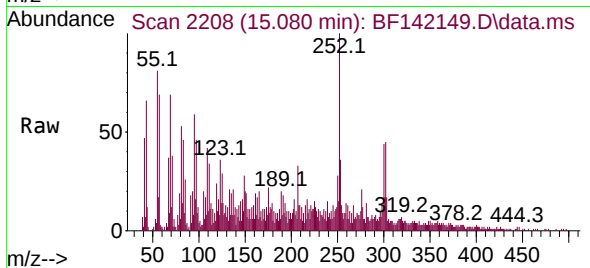
Tgt Ion:252 Resp: 36524

Ion Ratio Lower Upper

252 100

253 35.9 17.5 26.3#

125 28.8 7.0 10.4#



#89

Benzo(k)fluoranthene

Concen: 3.068 ng

RT: 15.080 min Scan# 2208

Delta R.T. -0.029 min

Lab File: BF142149.D

Acq: 28 Mar 2025 03:06

Tgt Ion:252 Resp: 36524

Ion Ratio Lower Upper

252 100

253 35.9 17.7 26.5#

125 28.8 7.2 10.8#

