

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF061225\
 Data File : BF142767.D
 Acq On : 12 Jun 2025 19:56
 Operator : RC/JU
 Sample : Q2195-01 5X
 Misc :
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 OK-01-060325

Quant Time: Jun 13 01:01:17 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF061125.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Jun 11 05:56:09 2025
 Response via : Initial Calibration

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

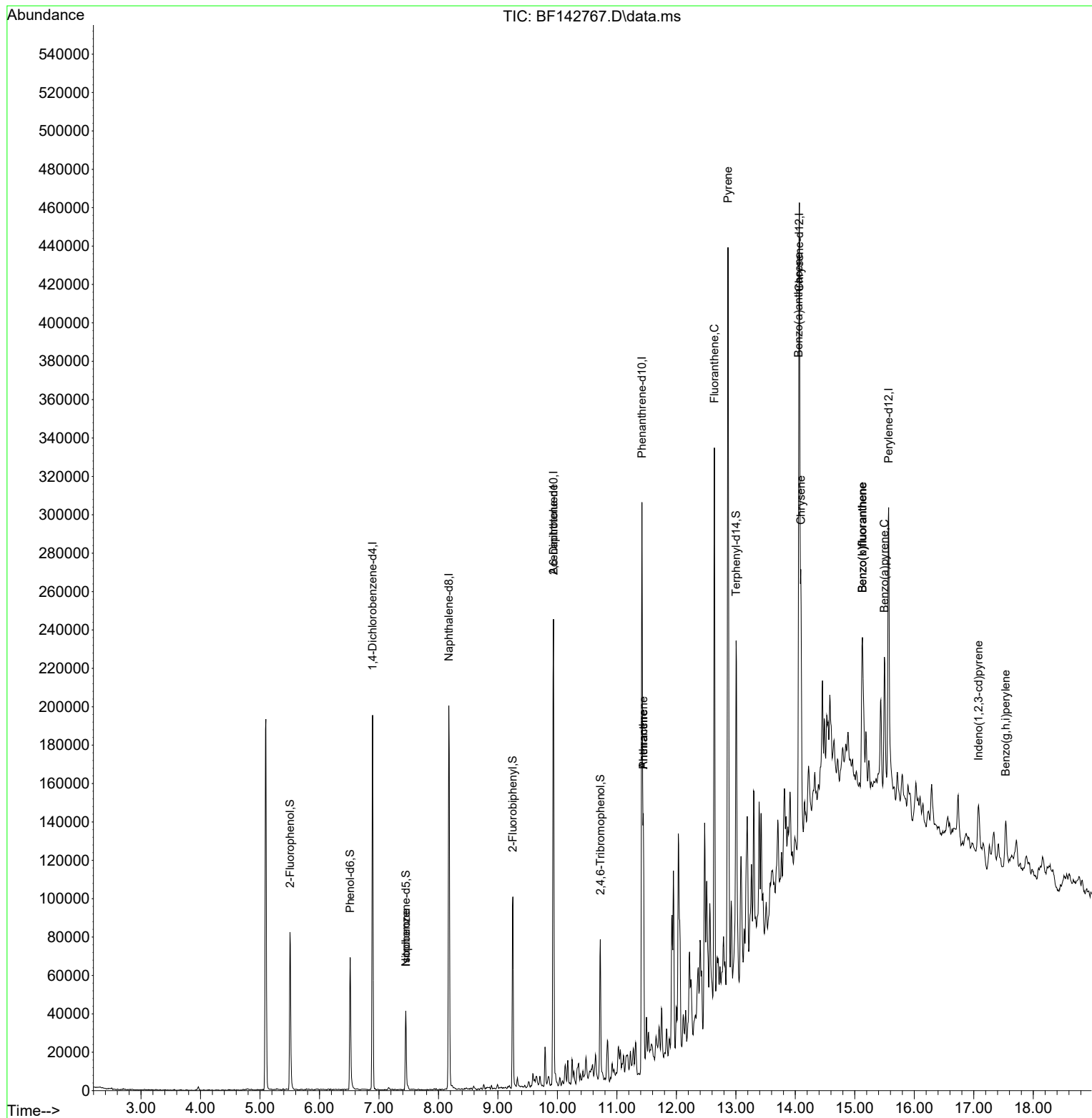
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.892	152	42134	20.000	ng	0.00
21) Naphthalene-d8	8.175	136	132544	20.000	ng	0.00
39) Acenaphthene-d10	9.933	164	72984	20.000	ng	0.00
64) Phenanthrene-d10	11.421	188	150369	20.000	ng	0.00
76) Chrysene-d12	14.068	240	120857	20.000	ng	0.00
86) Perylene-d12	15.568	264	87561	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.504	112	34788	14.062	ng	0.00
7) Phenol-d6	6.516	99	34663	11.906	ng	0.00
23) Nitrobenzene-d5	7.451	82	18268	7.543	ng	0.00
42) 2,4,6-Tribromophenol	10.722	330	11293	14.118	ng	0.00
45) 2-Fluorobiphenyl	9.251	172	48224	8.778	ng	0.00
79) Terphenyl-d14	13.004	244	77234	8.777	ng	0.00
Target Compounds						
						Qvalue
25) Isophorone	7.451	82	18268	4.455	ng	# 63
51) 2,6-Dinitrotoluene	9.933	165	9324	8.852	ng	# 28
71) Phenanthrene	11.445	178	68169	8.462	ng	99
72) Anthracene	11.445	178	68169	8.180	ng	99
75) Fluoranthene	12.639	202	155678	20.323	ng	99
78) Pyrene	12.868	202	216644	19.289	ng	99
81) Benzo(a)anthracene	14.057	228	78607	9.815	ng	# 93
83) Chrysene	14.092	228	75427	10.201	ng	# 95
87) Indeno(1,2,3-cd)pyrene	17.080	276	18271	2.816	ng	99
88) Benzo(b)fluoranthene	15.127	252	64508	12.512	ng	# 92
89) Benzo(k)fluoranthene	15.127	252	64508	12.895	ng	# 91
90) Benzo(a)pyrene	15.498	252	40793	8.322	ng	# 90
92) Benzo(g,h,i)perylene	17.539	276	20366	3.866	ng	94

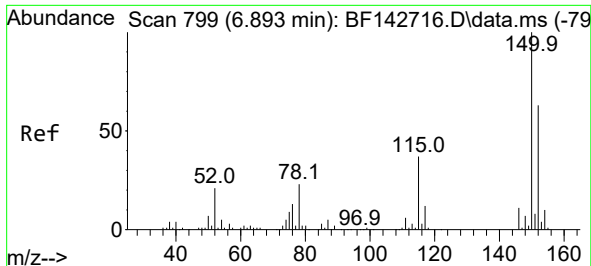
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Jun 13 01:01:17 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF061125.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Jun 11 05:56:09 2025
Response via : Initial Calibration

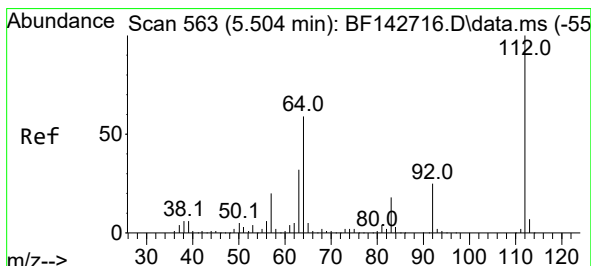
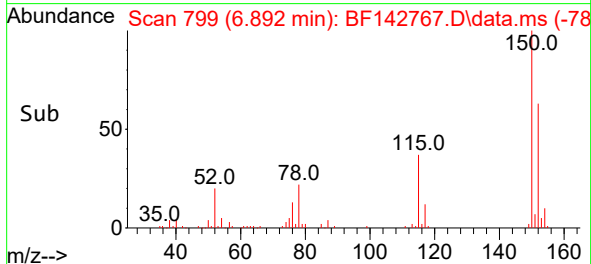
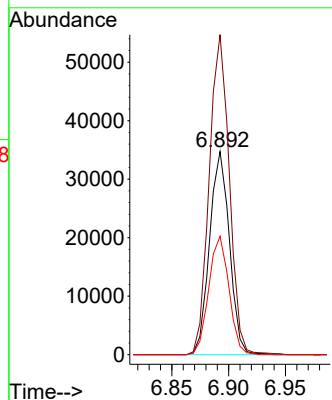
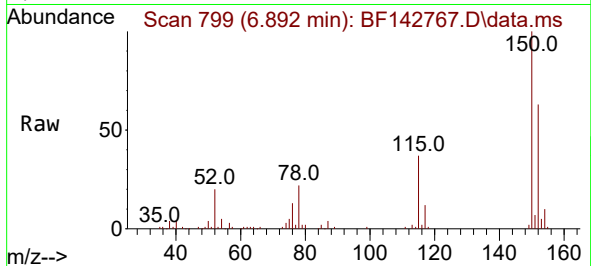




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.892 min Scan# 799
Delta R.T. -0.001 min
Lab File: BF142767.D
Acq: 12 Jun 2025 19:56

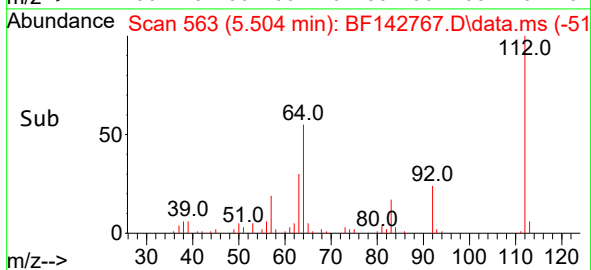
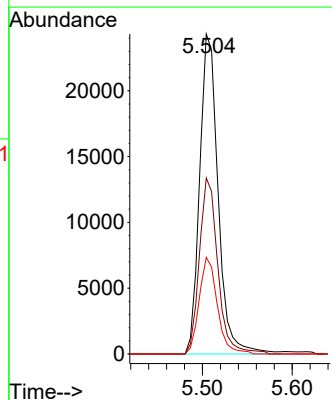
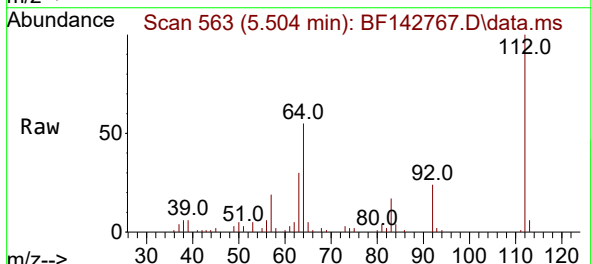
Instrument :
BNA_F
ClientSampleId :
OK-01-060325

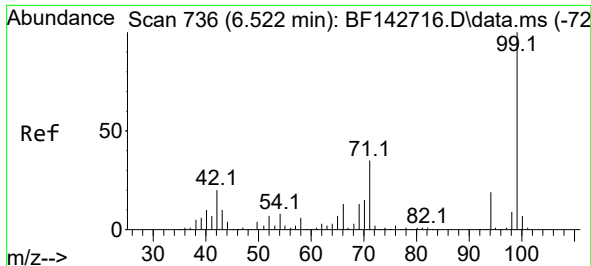
Tgt Ion:152 Resp: 42134
Ion Ratio Lower Upper
152 100
150 157.5 126.9 190.3
115 58.3 47.0 70.6



#5
2-Fluorophenol
Concen: 14.062 ng
RT: 5.504 min Scan# 563
Delta R.T. 0.000 min
Lab File: BF142767.D
Acq: 12 Jun 2025 19:56

Tgt Ion:112 Resp: 34788
Ion Ratio Lower Upper
112 100
64 55.0 47.4 71.2
63 30.1 25.4 38.0

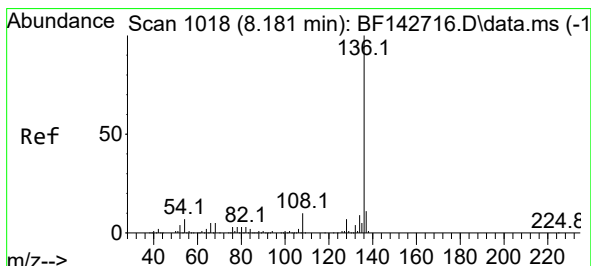
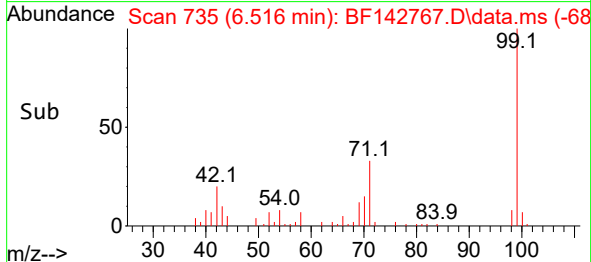
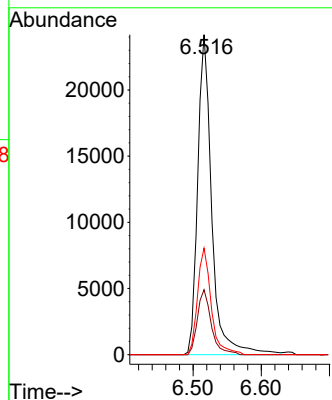
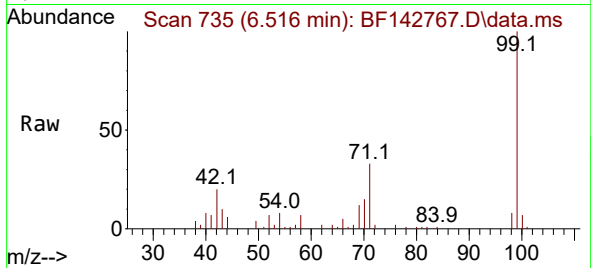




#7
Phenol-d6
Concen: 11.906 ng
RT: 6.516 min Scan# 71
Delta R.T. -0.006 min
Lab File: BF142767.D
Acq: 12 Jun 2025 19:56

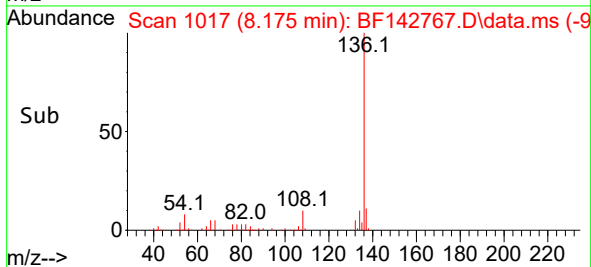
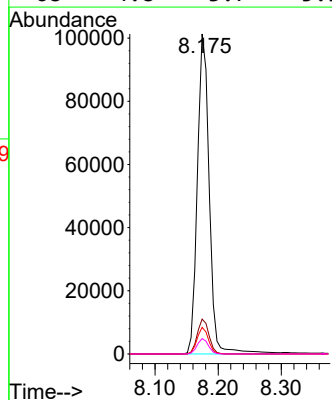
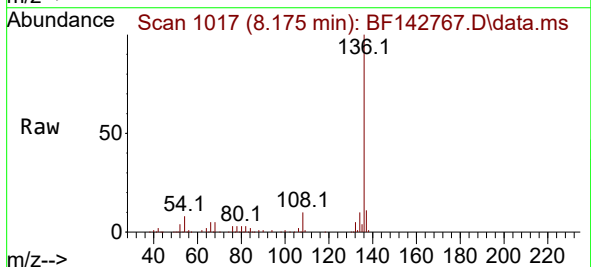
Instrument :
BNA_F
ClientSampleId :
OK-01-060325

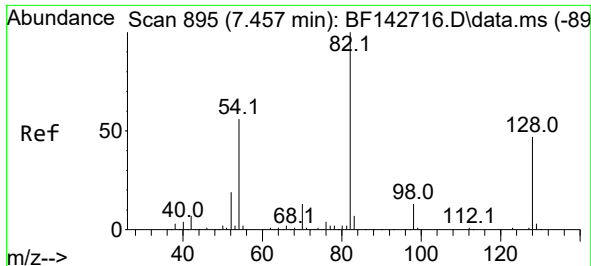
Tgt Ion: 99 Resp: 34663
Ion Ratio Lower Upper
99 100
42 20.3 15.9 23.9
71 33.3 28.0 42.0



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.175 min Scan# 1017
Delta R.T. -0.006 min
Lab File: BF142767.D
Acq: 12 Jun 2025 19:56

Tgt Ion: 136 Resp: 132544
Ion Ratio Lower Upper
136 100
137 10.9 8.7 13.1
54 8.3 5.9 8.9
68 4.8 3.7 5.5





#23

Nitrobenzene-d5

Concen: 7.543 ng

RT: 7.451 min Scan# 894

Delta R.T. -0.006 min

Lab File: BF142767.D

Acq: 12 Jun 2025 19:56

Instrument :

BNA_F

ClientSampleId :

OK-01-060325

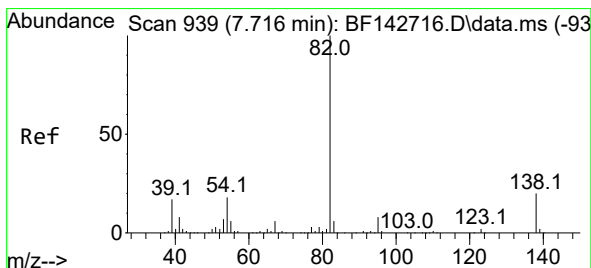
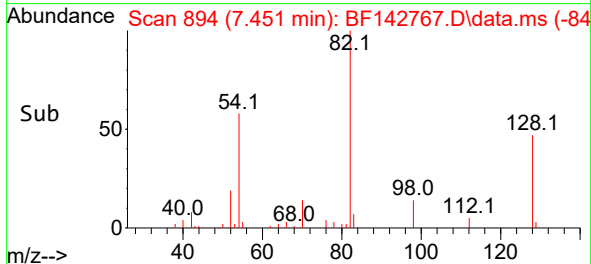
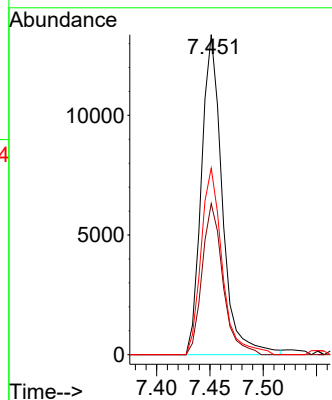
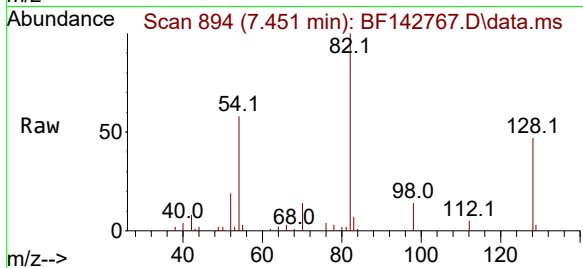
Tgt Ion: 82 Resp: 18268

Ion Ratio Lower Upper

82 100

128 47.2 37.8 56.8

54 58.3 44.9 67.3



#25

Isophorone

Concen: 4.455 ng

RT: 7.451 min Scan# 894

Delta R.T. -0.265 min

Lab File: BF142767.D

Acq: 12 Jun 2025 19:56

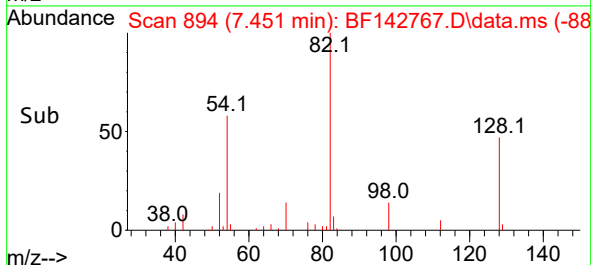
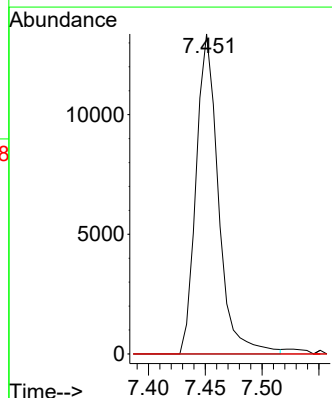
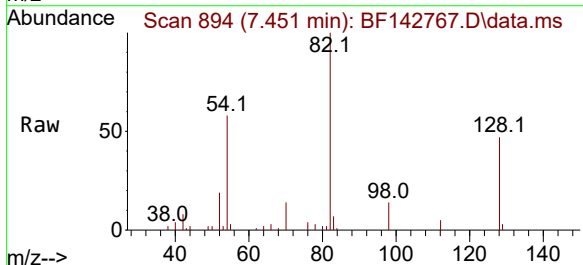
Tgt Ion: 82 Resp: 18268

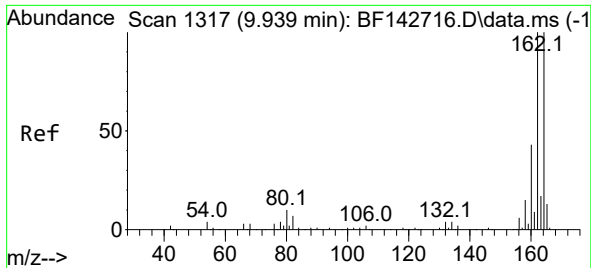
Ion Ratio Lower Upper

82 100

95 0.0 6.0 9.0#

138 0.0 15.8 23.6#

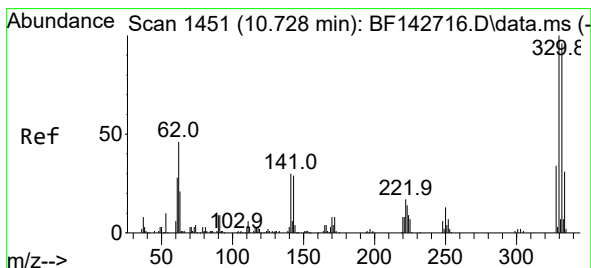
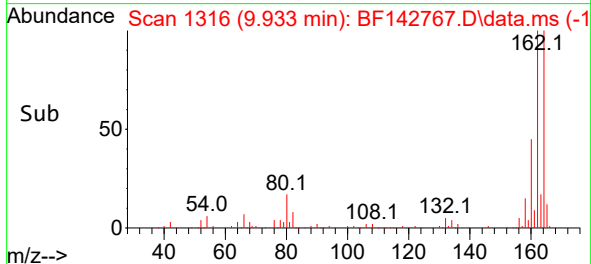
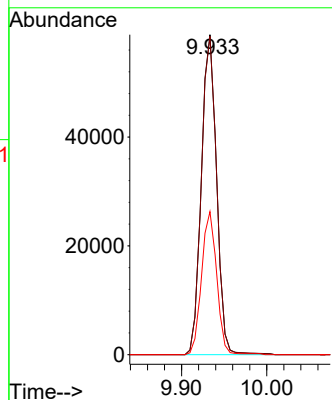
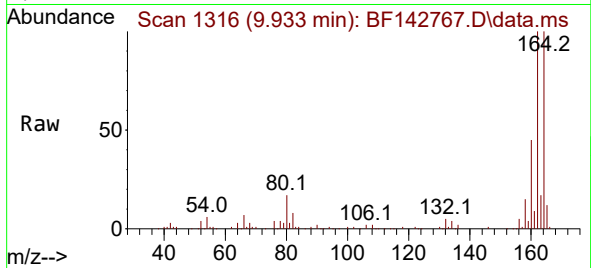




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.933 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF142767.D
Acq: 12 Jun 2025 19:56

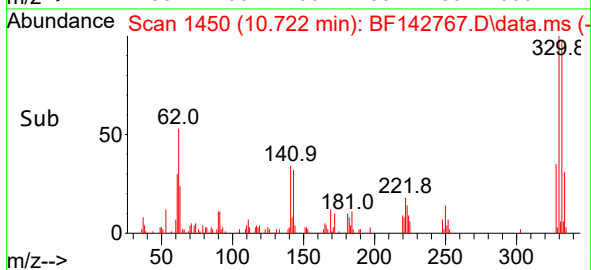
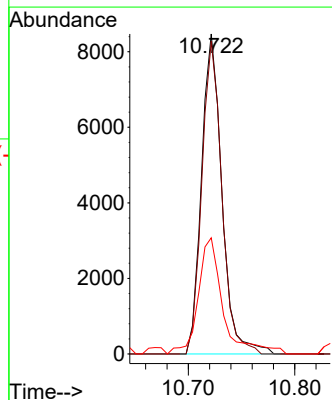
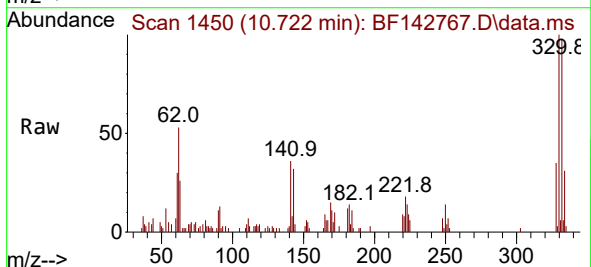
Instrument :
BNA_F
ClientSampleId :
OK-01-060325

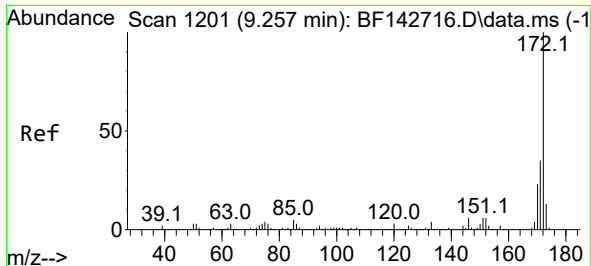
Tgt Ion:164	Resp:	72984
Ion Ratio	Lower	Upper
164	100	
162	99.5	79.9 119.9
160	44.7	34.8 52.2



#42
2,4,6-Tribromophenol
Concen: 14.118 ng
RT: 10.722 min Scan# 1450
Delta R.T. -0.006 min
Lab File: BF142767.D
Acq: 12 Jun 2025 19:56

Tgt Ion:330	Resp:	11293
Ion Ratio	Lower	Upper
330	100	
332	95.6	77.0 115.6
141	43.9	25.4 38.0





#45

2-Fluorobiphenyl

Concen: 8.778 ng

RT: 9.251 min Scan# 1316

Delta R.T. -0.006 min

Lab File: BF142767.D

Acq: 12 Jun 2025 19:56

Instrument :

BNA_F

ClientSampleId :

OK-01-060325

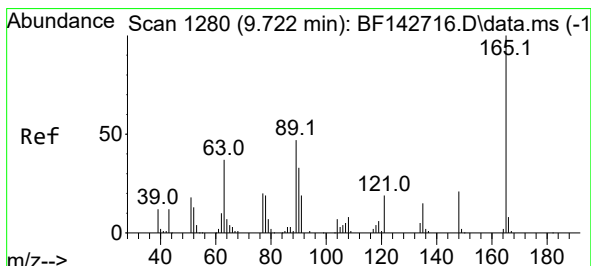
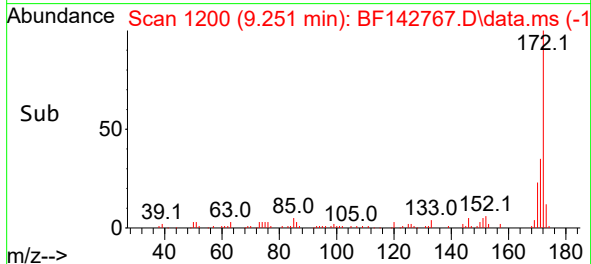
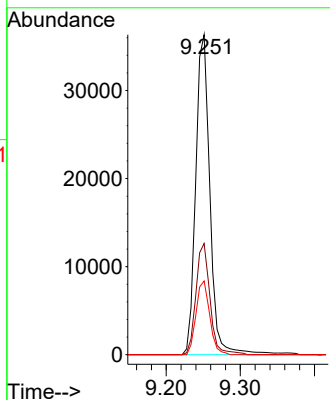
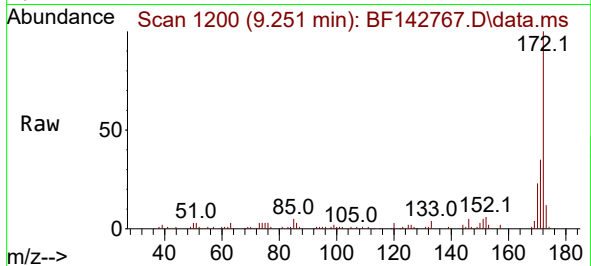
Tgt Ion:172 Resp: 48224

Ion Ratio Lower Upper

172 100

171 34.7 28.1 42.1

170 23.1 18.6 27.8



#51

2,6-Dinitrotoluene

Concen: 8.852 ng

RT: 9.933 min Scan# 1316

Delta R.T. 0.212 min

Lab File: BF142767.D

Acq: 12 Jun 2025 19:56

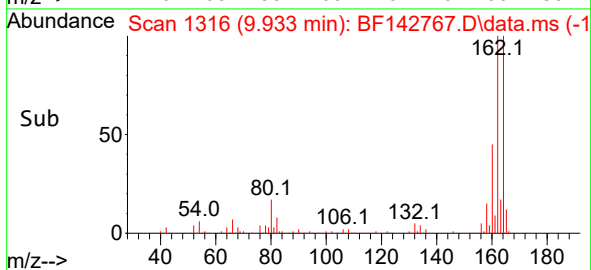
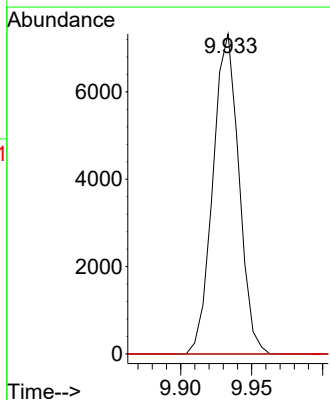
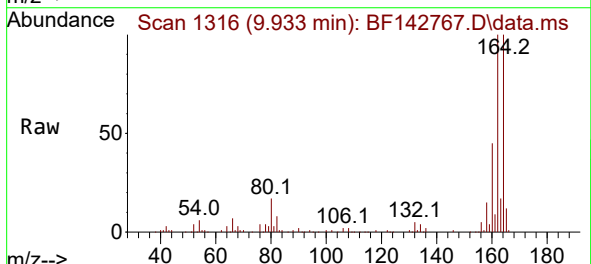
Tgt Ion:165 Resp: 9324

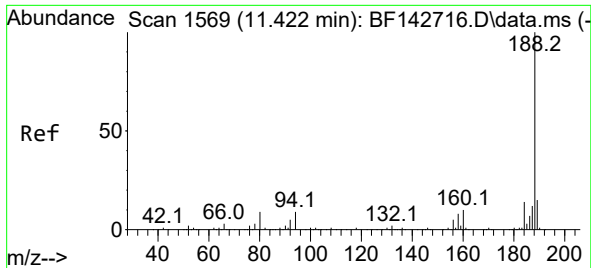
Ion Ratio Lower Upper

165 100

63 0.0 40.6 60.8#

89 0.0 37.6 56.4#

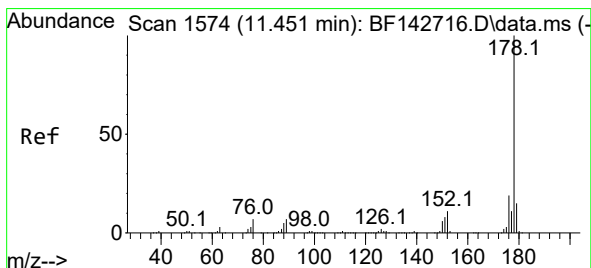
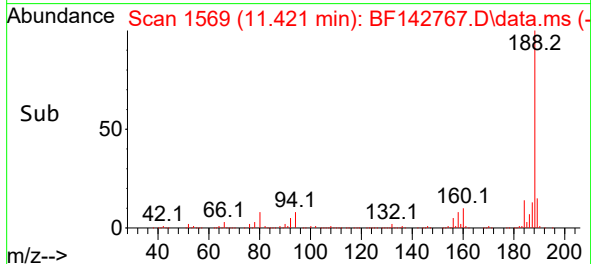
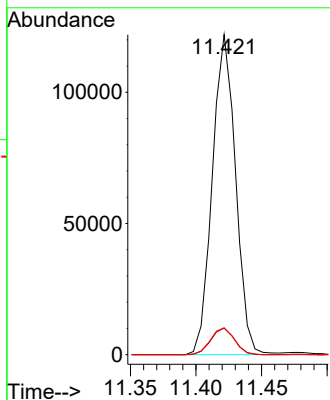
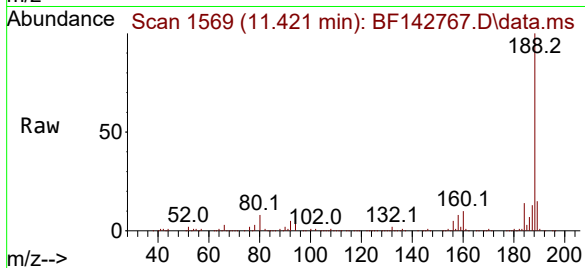




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.421 min Scan# 1569
Delta R.T. -0.000 min
Lab File: BF142767.D
Acq: 12 Jun 2025 19:56

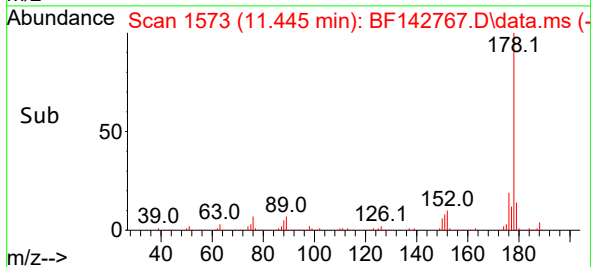
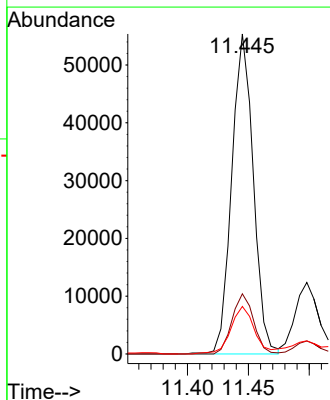
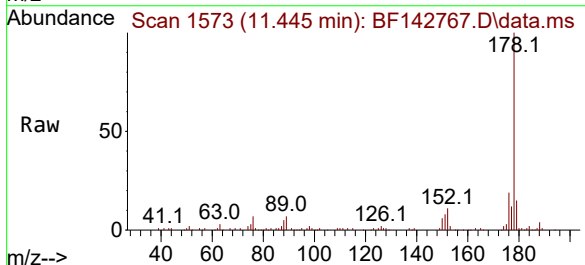
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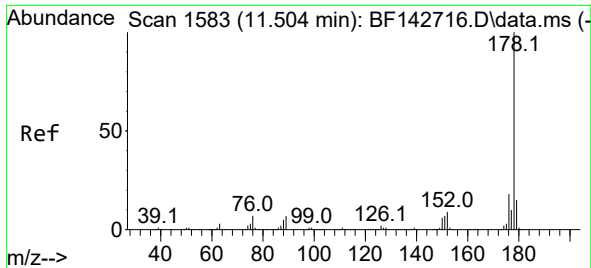
Tgt Ion:188 Resp: 150369
Ion Ratio Lower Upper
188 100
94 8.3 6.8 10.2
80 8.4 7.1 10.7



#71
Phenanthrene
Concen: 8.462 ng
RT: 11.445 min Scan# 1573
Delta R.T. -0.006 min
Lab File: BF142767.D
Acq: 12 Jun 2025 19:56

Tgt Ion:178 Resp: 68169
Ion Ratio Lower Upper
178 100
176 18.8 15.4 23.2
179 14.8 12.2 18.4

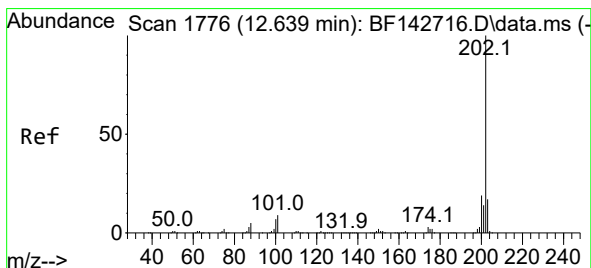
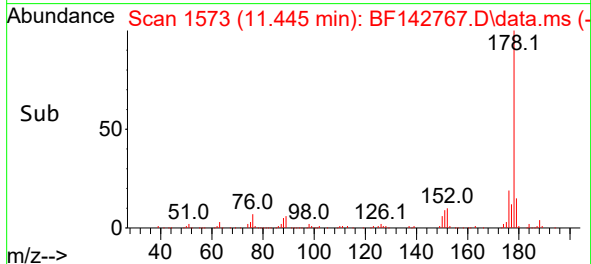
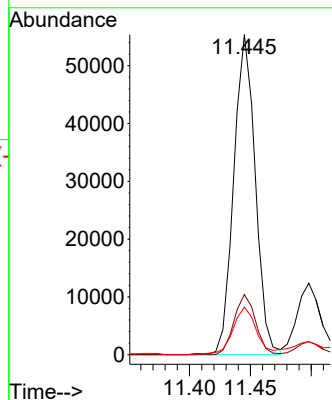
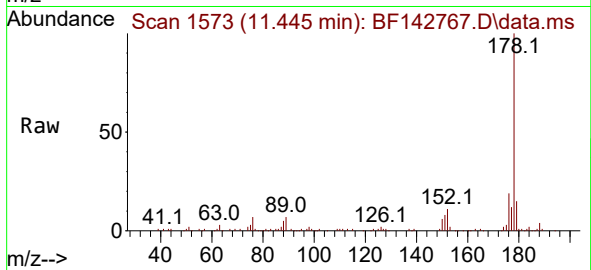




#72
Anthracene
Concen: 8.180 ng
RT: 11.445 min Scan# 1573
Delta R.T. -0.059 min
Lab File: BF142767.D
Acq: 12 Jun 2025 19:56

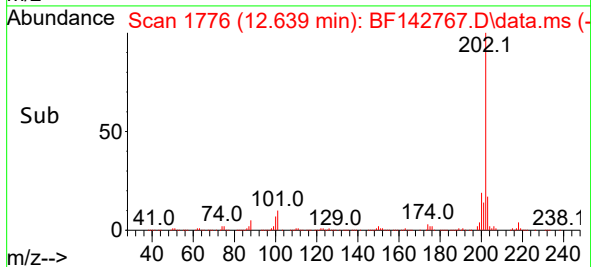
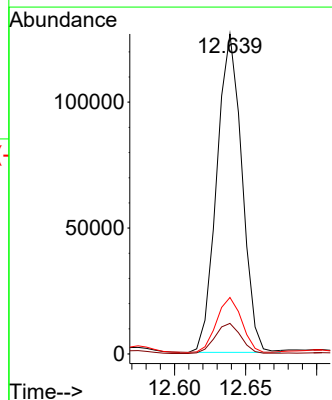
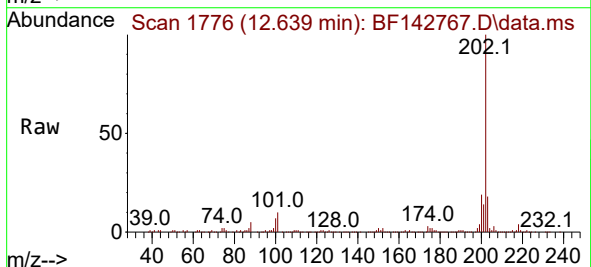
Instrument :
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OK-01-060325

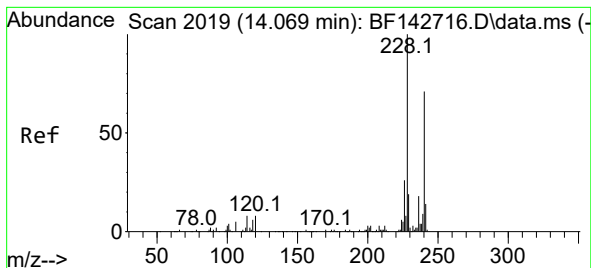
Tgt Ion:178 Resp: 68169
Ion Ratio Lower Upper
178 100
176 18.8 14.8 22.2
179 14.8 12.2 18.2



#75
Fluoranthene
Concen: 20.323 ng
RT: 12.639 min Scan# 1776
Delta R.T. -0.000 min
Lab File: BF142767.D
Acq: 12 Jun 2025 19:56

Tgt Ion:202 Resp: 155678
Ion Ratio Lower Upper
202 100
101 9.5 0.0 29.5
203 17.7 0.0 37.0





#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.068 min Scan# 2019

Delta R.T. -0.000 min

Lab File: BF142767.D

Acq: 12 Jun 2025 19:56

Instrument :

BNA_F

ClientSampleId :

OK-01-060325

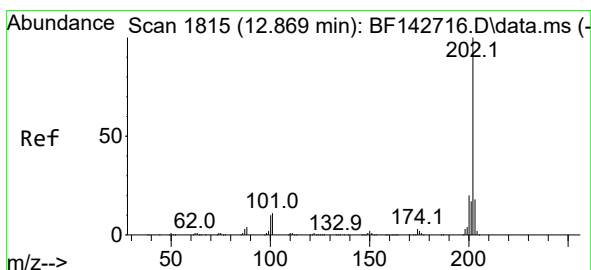
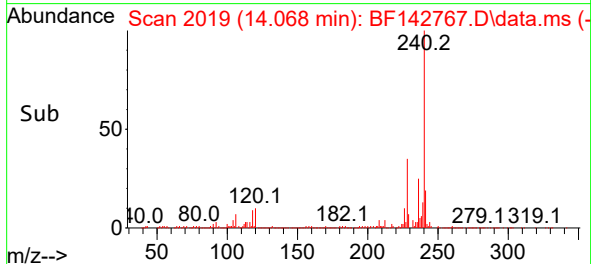
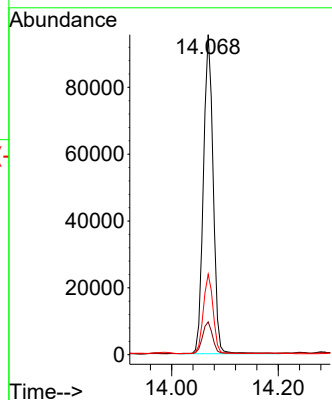
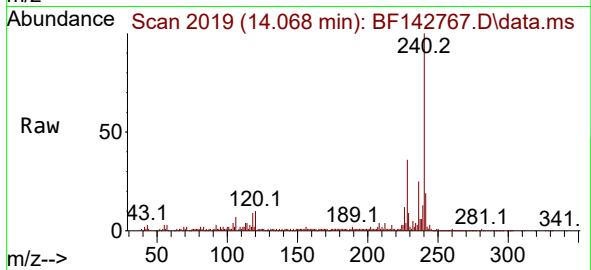
Tgt Ion:240 Resp: 120857

Ion Ratio Lower Upper

240 100

120 10.2 8.5 12.7

236 25.1 20.1 30.1



#78

Pyrene

Concen: 19.289 ng

RT: 12.868 min Scan# 1815

Delta R.T. -0.000 min

Lab File: BF142767.D

Acq: 12 Jun 2025 19:56

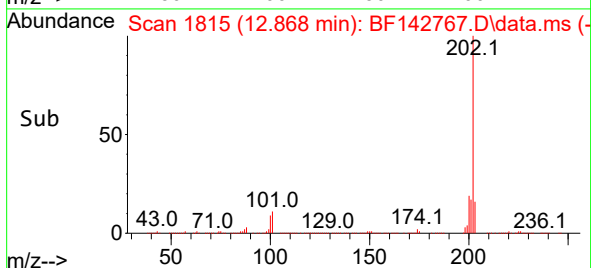
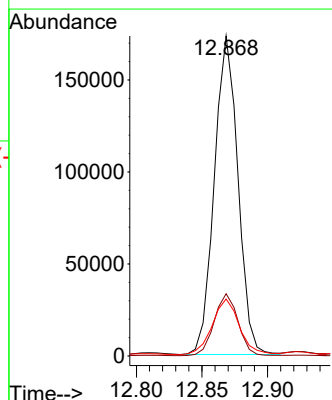
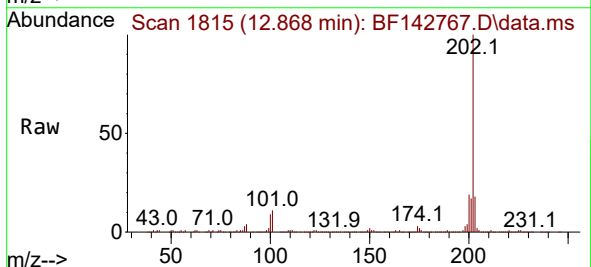
Tgt Ion:202 Resp: 216644

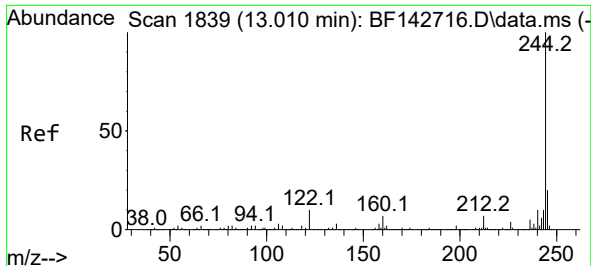
Ion Ratio Lower Upper

202 100

200 19.5 15.8 23.8

203 17.8 14.1 21.1

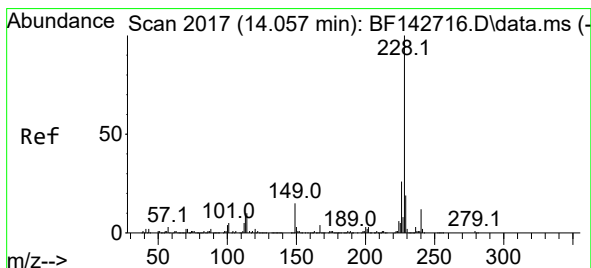
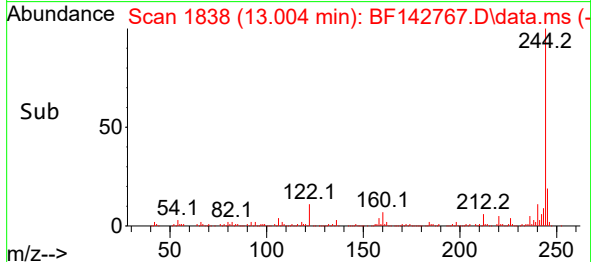
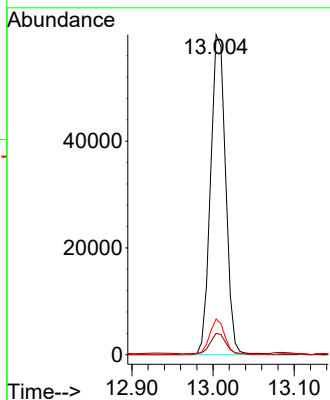
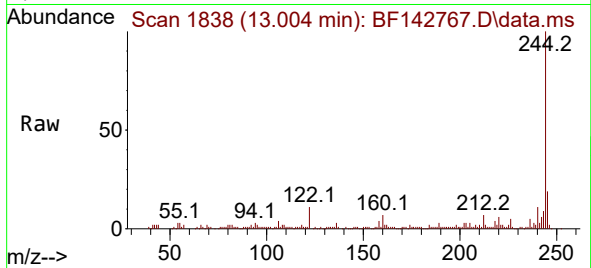




#79
 Terphenyl-d14
 Concen: 8.777 ng
 RT: 13.004 min Scan# 1838
 Delta R.T. -0.006 min
 Lab File: BF142767.D
 Acq: 12 Jun 2025 19:56

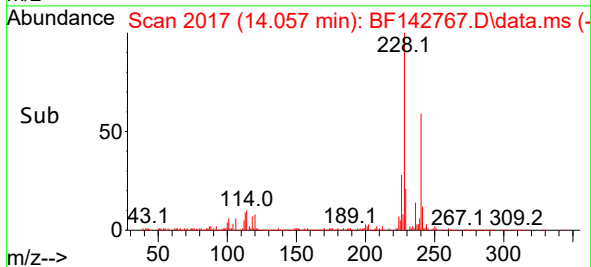
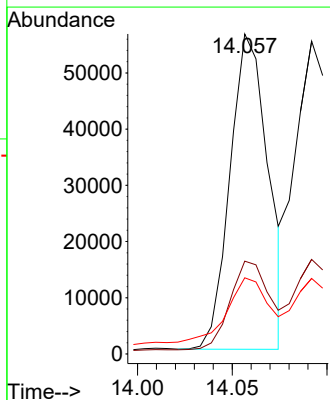
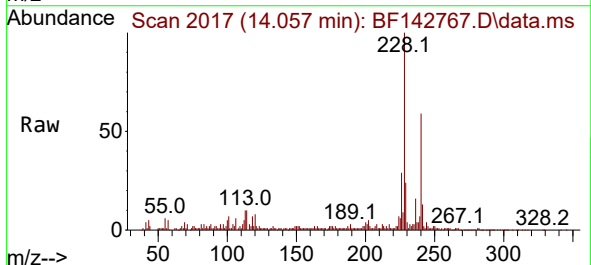
Instrument :
 BNA_F
 ClientSampleId :
 OK-01-060325

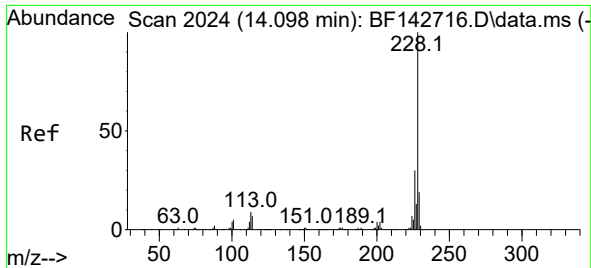
Tgt Ion:244 Resp: 77234
 Ion Ratio Lower Upper
 244 100
 212 6.6 5.4 8.0
 122 11.1 8.3 12.5



#81
 Benzo(a)anthracene
 Concen: 9.815 ng
 RT: 14.057 min Scan# 2017
 Delta R.T. -0.000 min
 Lab File: BF142767.D
 Acq: 12 Jun 2025 19:56

Tgt Ion:228 Resp: 78607
 Ion Ratio Lower Upper
 228 100
 226 29.0 21.0 31.4
 229 23.8 15.5 23.3#

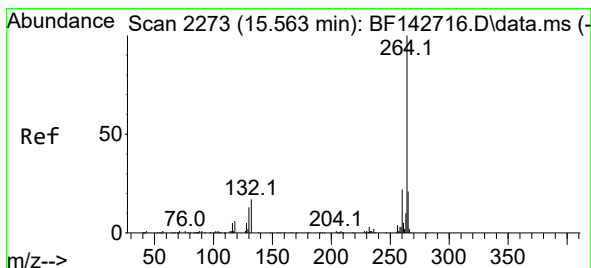
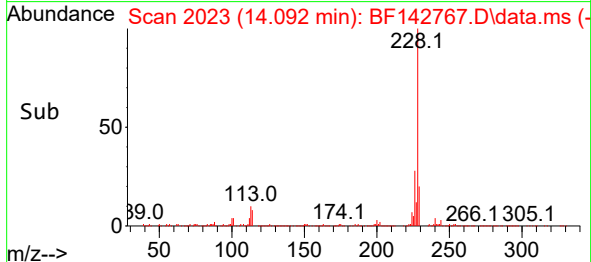
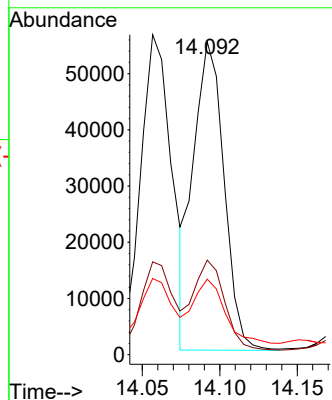
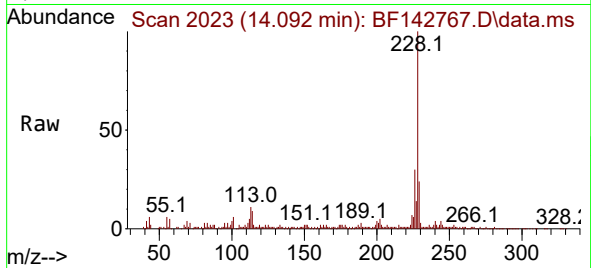




#83
Chrysene
Concen: 10.201 ng
RT: 14.092 min Scan# 20
Delta R.T. -0.006 min
Lab File: BF142767.D
Acq: 12 Jun 2025 19:56

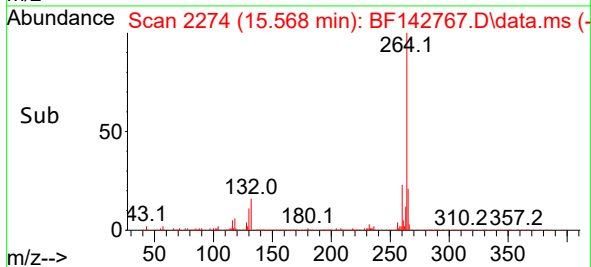
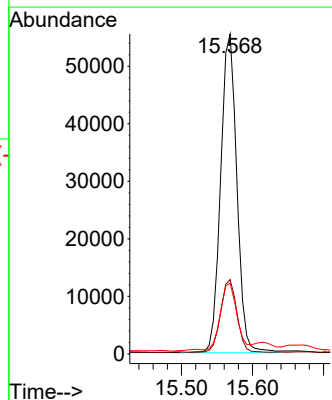
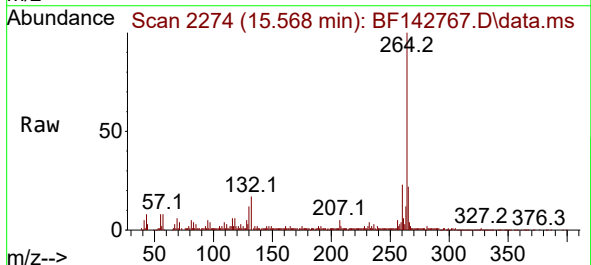
Instrument :
BNA_F
ClientSampleId :
OK-01-060325

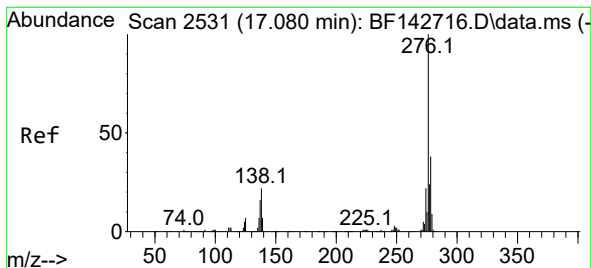
Tgt Ion:228 Resp: 75427
Ion Ratio Lower Upper
228 100
226 30.2 23.6 35.4
229 24.2 15.5 23.3#



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.568 min Scan# 2274
Delta R.T. 0.006 min
Lab File: BF142767.D
Acq: 12 Jun 2025 19:56

Tgt Ion:264 Resp: 87561
Ion Ratio Lower Upper
264 100
260 23.3 17.8 26.6
265 22.1 16.6 25.0





#87

Indeno(1,2,3-cd)pyrene

Concen: 2.816 ng

RT: 17.080 min Scan# 2199

Delta R.T. -0.000 min

Lab File: BF142767.D

Acq: 12 Jun 2025 19:56

Instrument :

BNA_F

ClientSampleId :

OK-01-060325

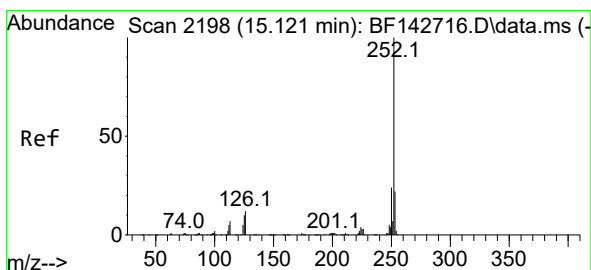
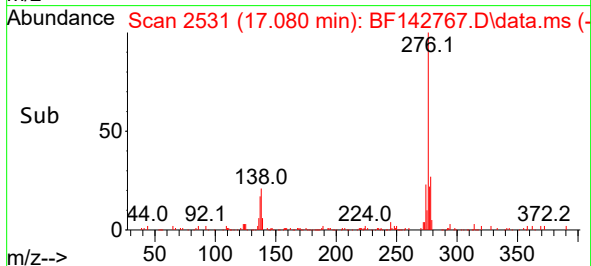
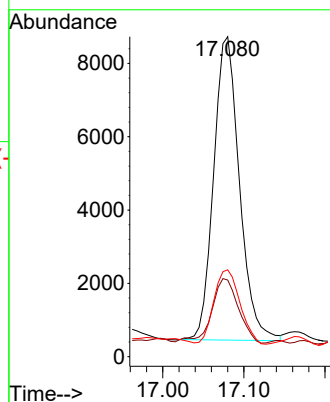
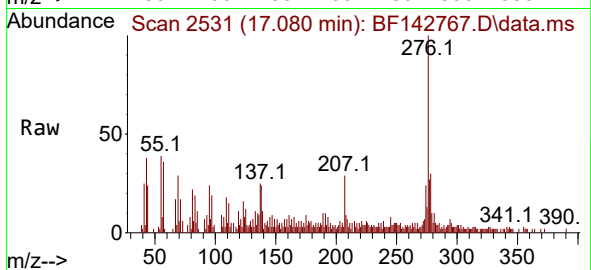
Tgt Ion:276 Resp: 18271

Ion Ratio Lower Upper

276 100

138 23.3 19.3 28.9

277 24.8 20.2 30.2



#88

Benzo(b)fluoranthene

Concen: 12.512 ng

RT: 15.127 min Scan# 2199

Delta R.T. 0.006 min

Lab File: BF142767.D

Acq: 12 Jun 2025 19:56

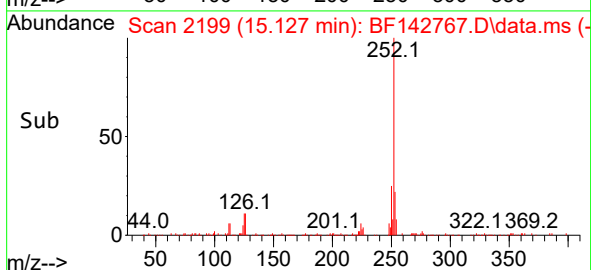
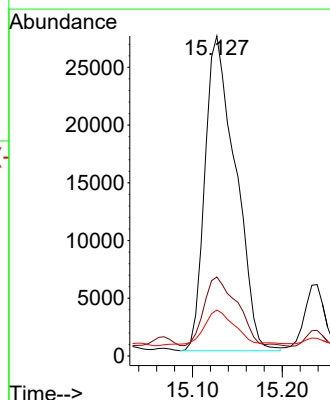
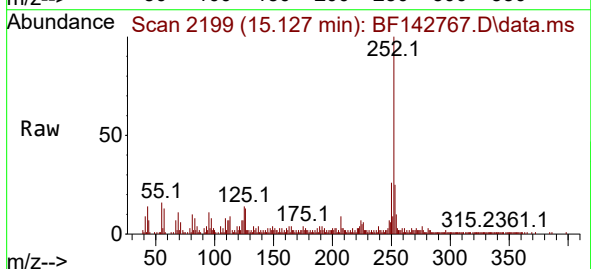
Tgt Ion:252 Resp: 64508

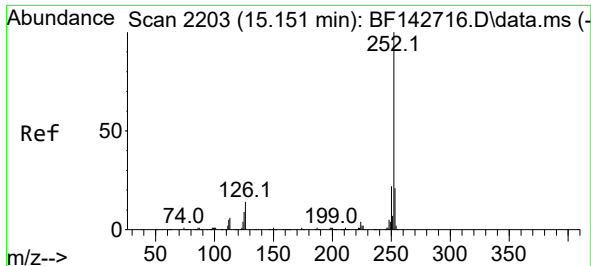
Ion Ratio Lower Upper

252 100

253 24.7 17.7 26.5

125 14.3 7.8 11.6#

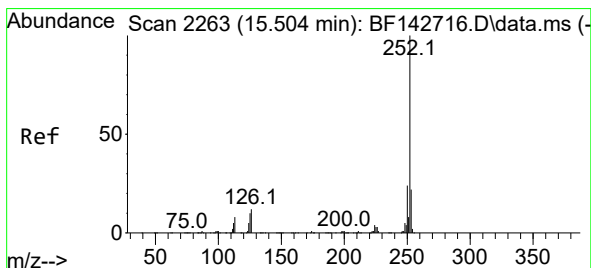
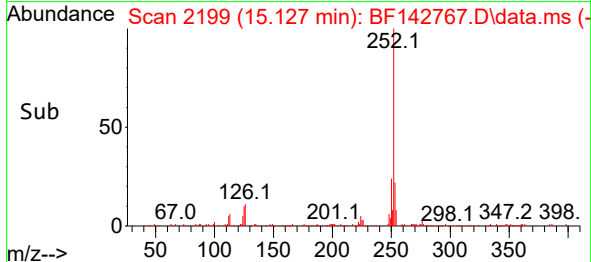
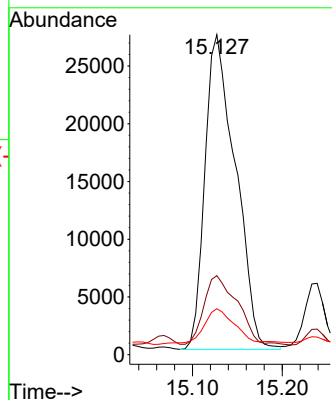
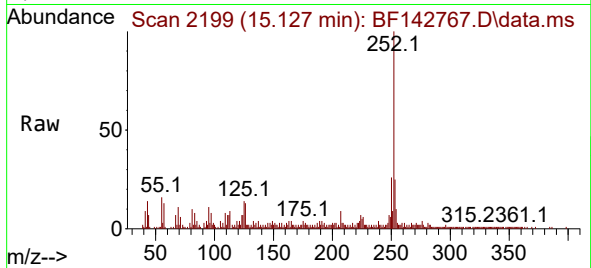




#89
Benzo(k)fluoranthene
Concen: 12.895 ng
RT: 15.127 min Scan# 21
Delta R.T. -0.024 min
Lab File: BF142767.D
Acq: 12 Jun 2025 19:56

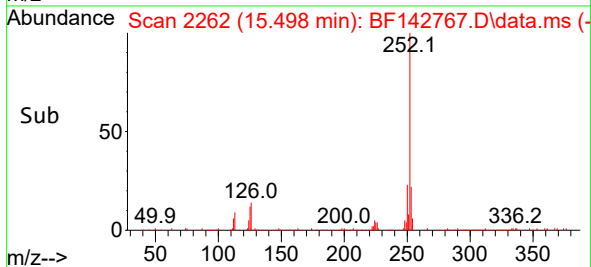
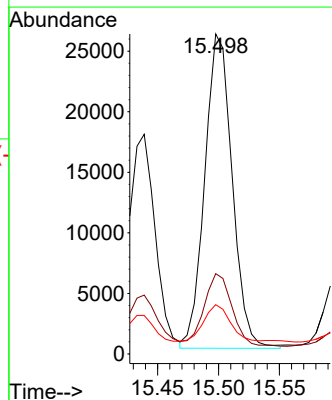
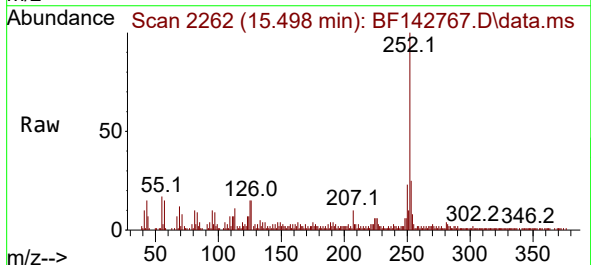
Instrument :
BNA_F
ClientSampleId :
OK-01-060325

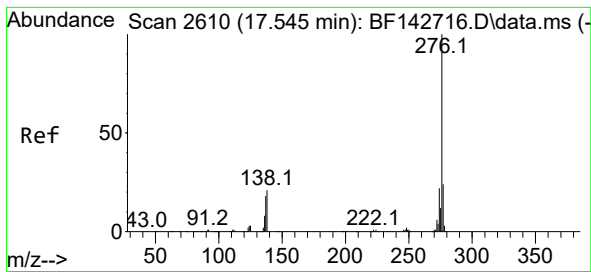
Tgt Ion:252 Resp: 64508
Ion Ratio Lower Upper
252 100
253 24.7 17.3 25.9
125 14.3 7.5 11.3#



#90
Benzo(a)pyrene
Concen: 8.322 ng
RT: 15.498 min Scan# 2262
Delta R.T. -0.006 min
Lab File: BF142767.D
Acq: 12 Jun 2025 19:56

Tgt Ion:252 Resp: 40793
Ion Ratio Lower Upper
252 100
253 25.1 17.3 25.9
125 15.4 8.0 12.0#





#92

Benzo(g,h,i)perylene

Concen: 3.866 ng

RT: 17.539 min Scan# 20

Delta R.T. -0.006 min

Lab File: BF142767.D

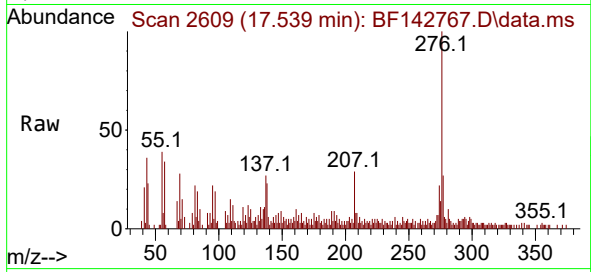
Acq: 12 Jun 2025 19:56

Instrument :

BNA_F

ClientSampleId :

OK-01-060325



Tgt Ion:276 Resp: 20366

Ion Ratio Lower Upper

276 100

277 26.9 18.8 28.2

138 23.2 16.4 24.6

