

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF080625\
 Data File : BF143335.D
 Acq On : 06 Aug 2025 17:41
 Operator : RC/JU
 Sample : Q2780-01 2X
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TP-3

Quant Time: Aug 06 18:16:38 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)

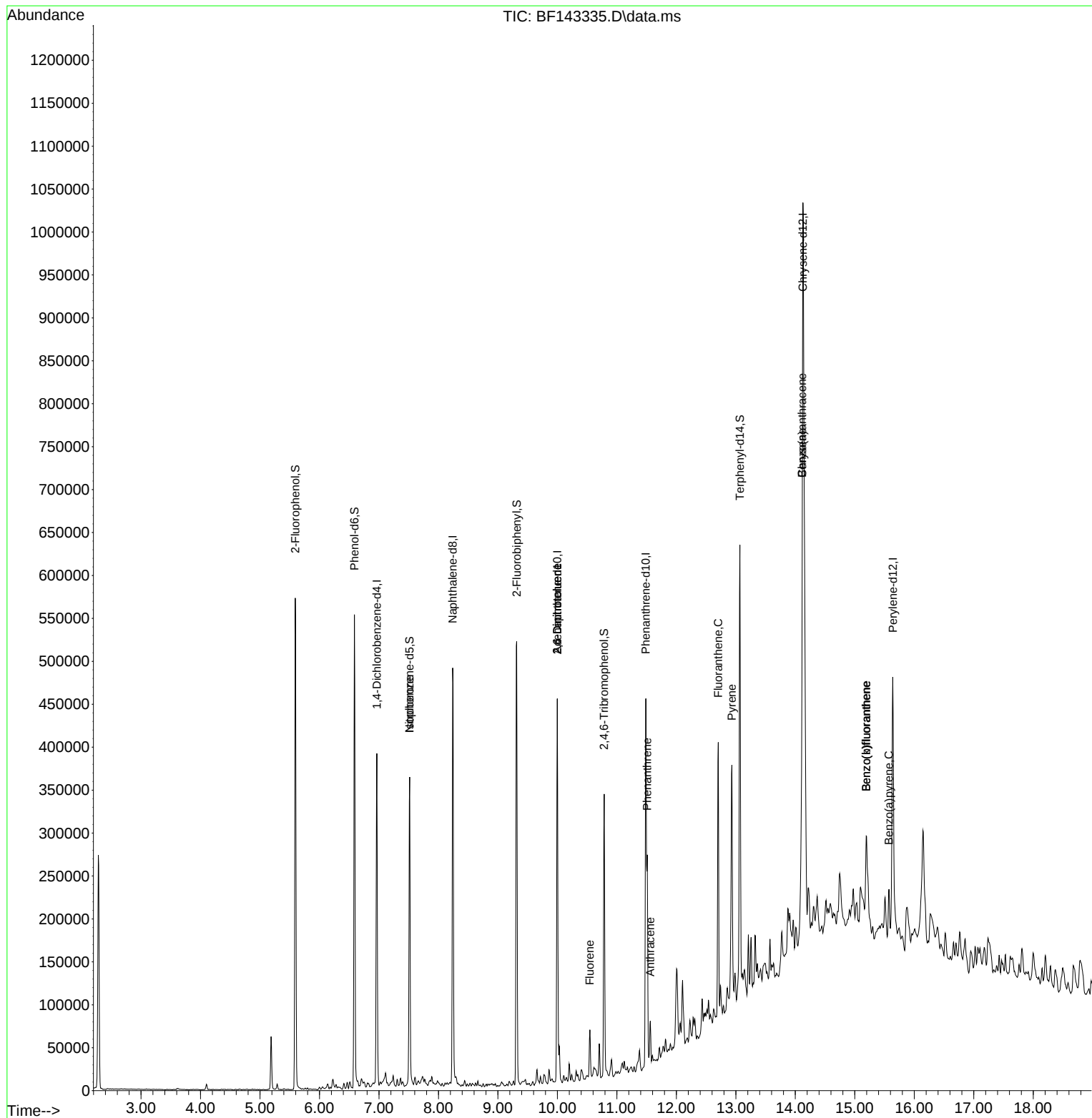
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.963	152	76811	20.000	ng	0.00
21) Naphthalene-d8	8.239	136	310026	20.000	ng	0.00
39) Acenaphthene-d10	9.998	164	129129	20.000	ng	0.00
64) Phenanthrene-d10	11.486	188	215229	20.000	ng	0.00
76) Chrysene-d12	14.127	240	203933	20.000	ng	0.00
86) Perylene-d12	15.639	264	165917	20.000	ng	0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.592	112	207221	42.692	ng	0.00
7) Phenol-d6	6.587	99	242830	39.746	ng	0.00
23) Nitrobenzene-d5	7.516	82	154040	24.767	ng	0.00
42) 2,4,6-Tribromophenol	10.786	330	54035	40.507	ng	0.00
45) 2-Fluorobiphenyl	9.316	172	238884	25.301	ng	0.00
79) Terphenyl-d14	13.068	244	246758	18.006	ng	0.00
Target Compounds						
						Qvalue
25) Isophorone	7.516	82	151597	13.807	ng	# 66
51) 2,6-Dinitrotoluene	9.998	165	16802	9.813	ng	# 23
57) 2,4-Dinitrotoluene	9.998	165	16802	7.821	ng	# 21
58) Fluorene	10.545	166	19355	2.352	ng	99
71) Phenanthrene	11.510	178	120149	10.514	ng	99
72) Anthracene	11.563	178	31767	2.726	ng	96
75) Fluoranthene	12.704	202	184300	17.570	ng	99
78) Pyrene	12.933	202	163824	9.413	ng	99
81) Benzo(a)anthracene	14.115	228	80491	5.895	ng	95
83) Chrysene	14.115	228	80491	6.557	ng	96
88) Benzo(b)fluoranthene	15.192	252	76138	7.512	ng	# 92
89) Benzo(k)fluoranthene	15.192	252	76138	8.418	ng	# 92
90) Benzo(a)pyrene	15.574	252	34197	3.662	ng	# 91

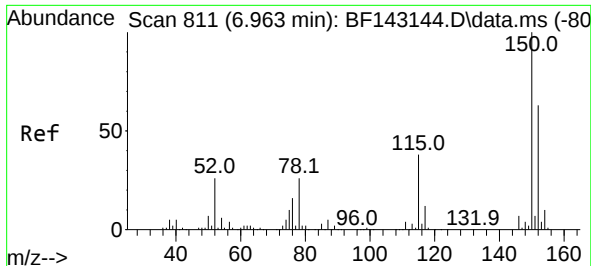
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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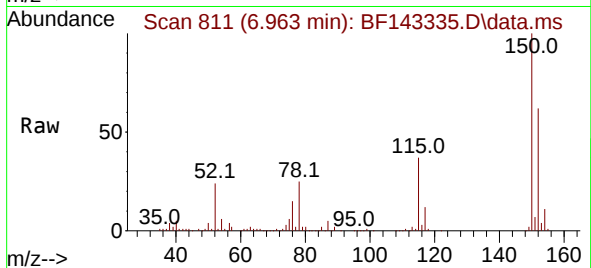
Quant Time: Aug 06 18:16:38 2025
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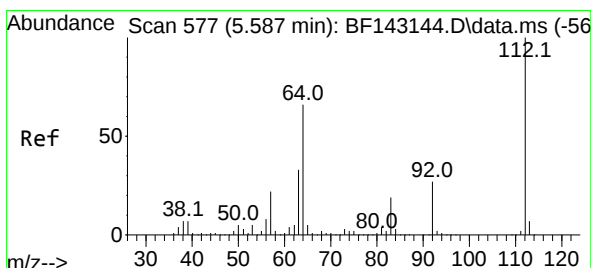
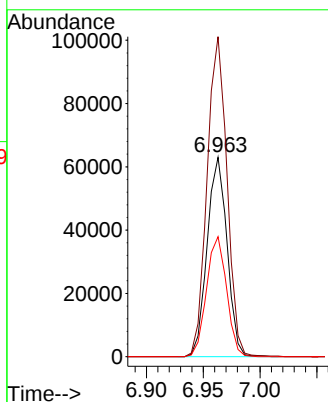
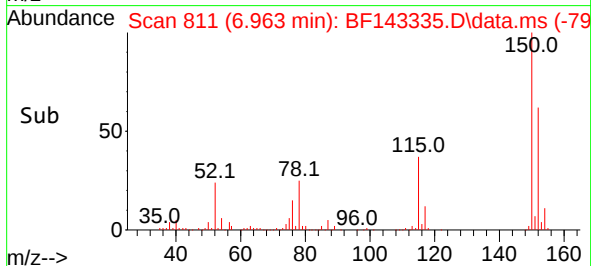


#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.963 min Scan# 811
Delta R.T. -0.000 min
Lab File: BF143335.D
Acq: 06 Aug 2025 17:41

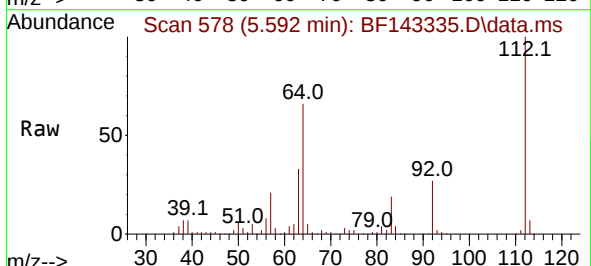
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BNA_F
ClientSampleId :
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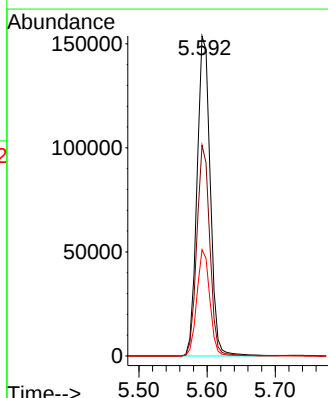
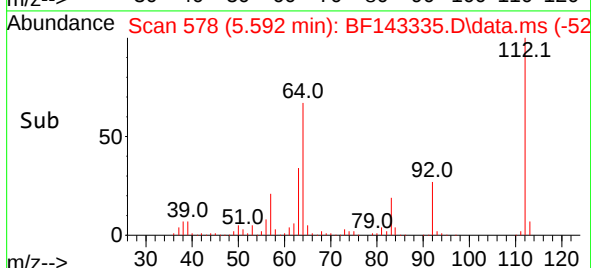
Tgt Ion:152 Resp: 76811
Ion Ratio Lower Upper
152 100
150 160.5 128.2 192.4
115 60.2 47.9 71.9



#5
2-Fluorophenol
Concen: 42.692 ng
RT: 5.592 min Scan# 578
Delta R.T. 0.006 min
Lab File: BF143335.D
Acq: 06 Aug 2025 17:41



Tgt Ion:112 Resp: 207221
Ion Ratio Lower Upper
112 100
64 65.9 53.1 79.7
63 33.2 26.6 40.0

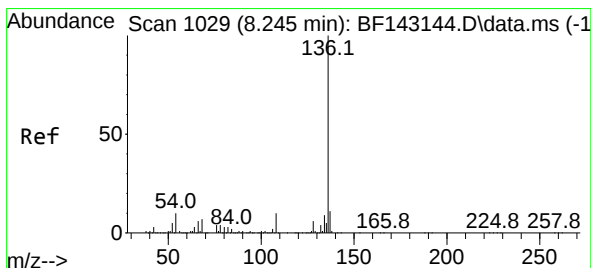
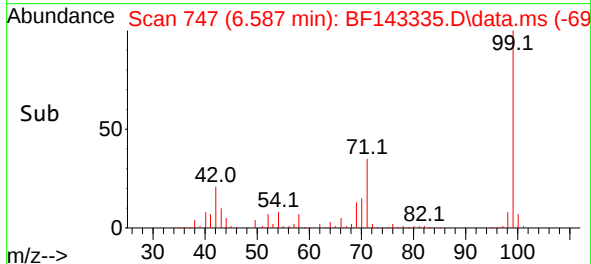
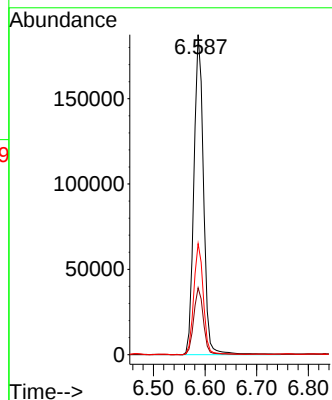
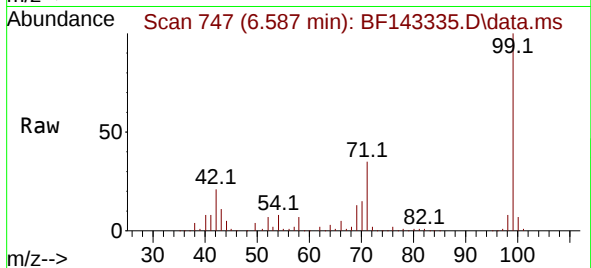




#7
Phenol-d6
Concen: 39.746 ng
RT: 6.587 min Scan# 747
Delta R.T. -0.000 min
Lab File: BF143335.D
Acq: 06 Aug 2025 17:41

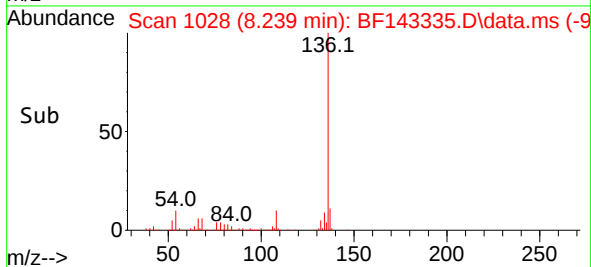
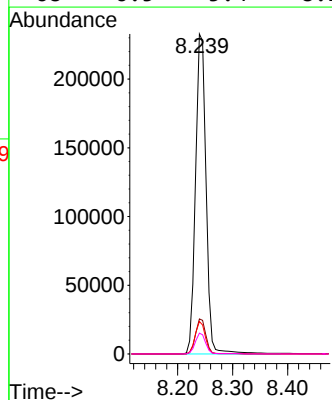
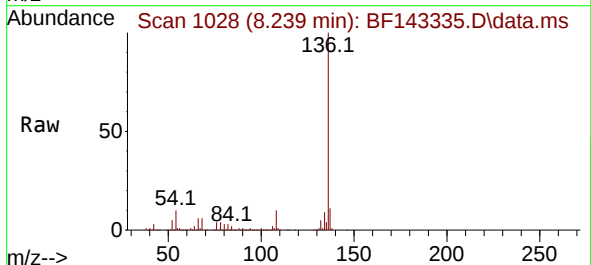
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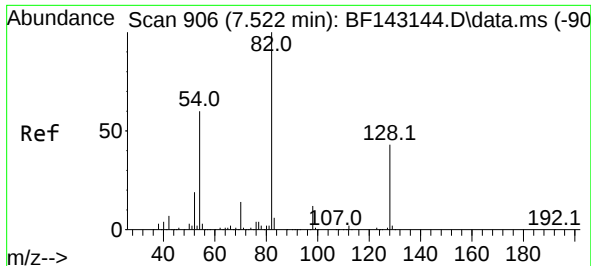
Tgt Ion: 99 Resp: 242830
Ion Ratio Lower Upper
99 100
42 20.9 17.0 25.6
71 34.7 27.7 41.5



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.239 min Scan# 1028
Delta R.T. -0.006 min
Lab File: BF143335.D
Acq: 06 Aug 2025 17:41

Tgt Ion: 136 Resp: 310026
Ion Ratio Lower Upper
136 100
137 11.0 8.6 13.0
54 10.2 8.2 12.2
68 6.5 5.4 8.2

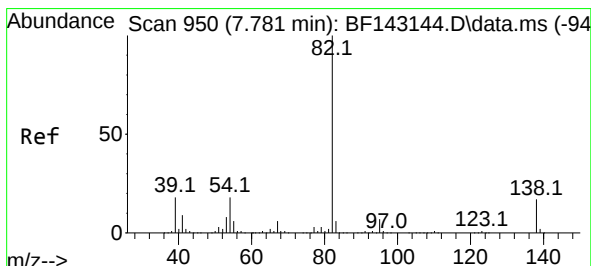
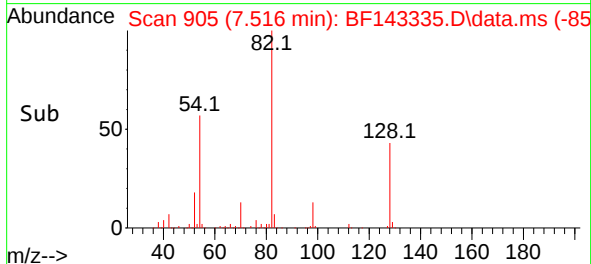
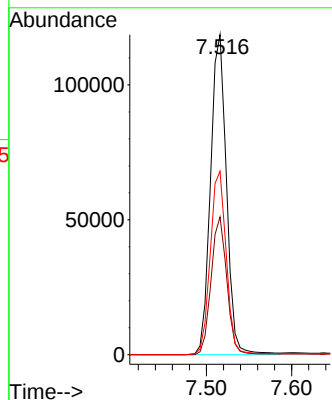
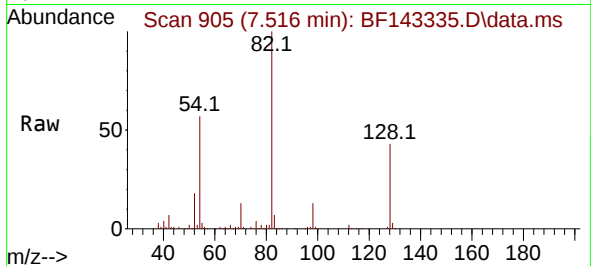




#23
Nitrobenzene-d5
Concen: 24.767 ng
RT: 7.516 min Scan# 905
Delta R.T. -0.006 min
Lab File: BF143335.D
Acq: 06 Aug 2025 17:41

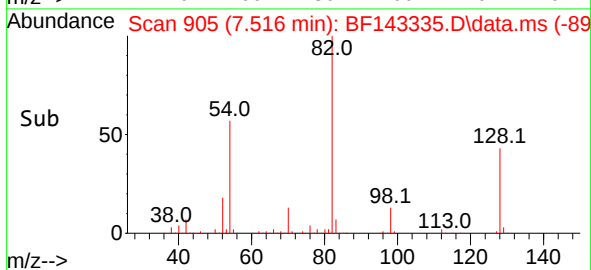
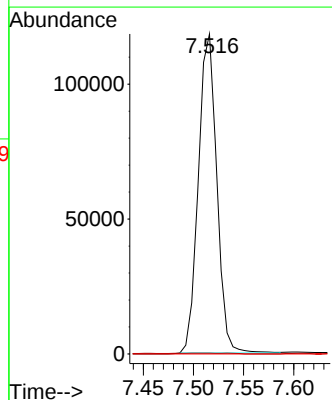
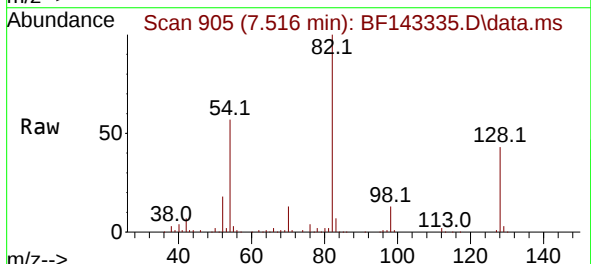
Instrument :
BNA_F
ClientSampleId :
TP-3

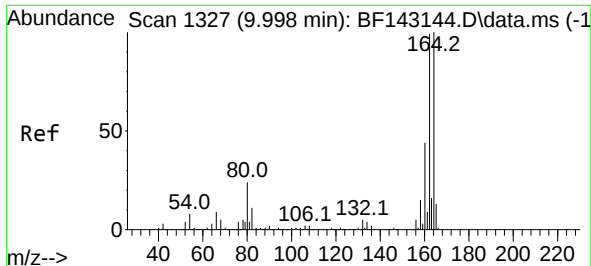
Tgt Ion: 82 Resp: 154040
Ion Ratio Lower Upper
82 100
128 43.0 33.6 50.4
54 57.3 47.1 70.7



#25
Isophorone
Concen: 13.807 ng
RT: 7.516 min Scan# 905
Delta R.T. -0.265 min
Lab File: BF143335.D
Acq: 06 Aug 2025 17:41

Tgt Ion: 82 Resp: 151597
Ion Ratio Lower Upper
82 100
95 0.2 5.5 8.3#
138 0.0 13.8 20.8#

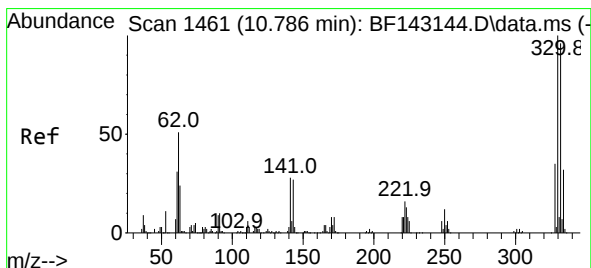
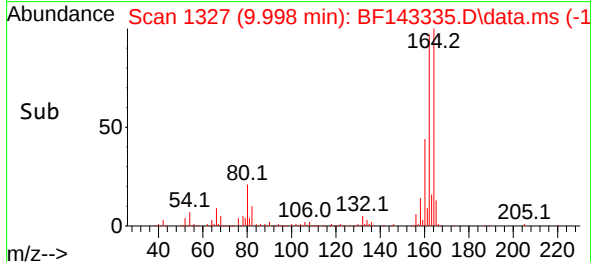
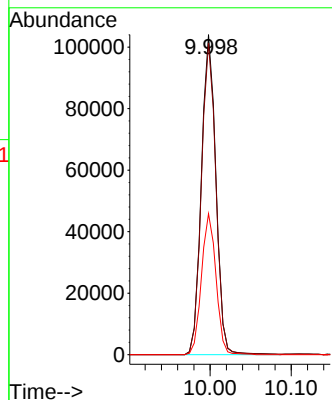
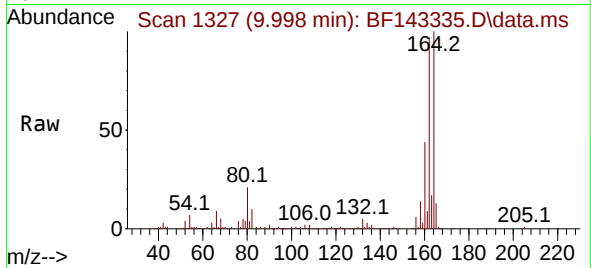




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.998 min Scan# 11
Delta R.T. 0.000 min
Lab File: BF143335.D
Acq: 06 Aug 2025 17:41

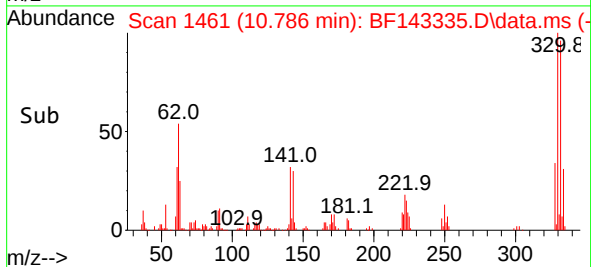
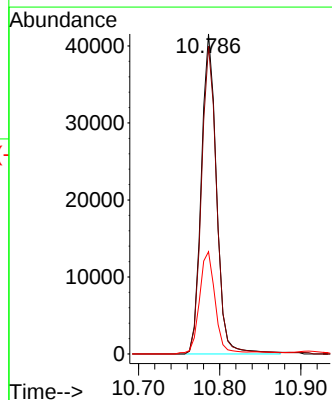
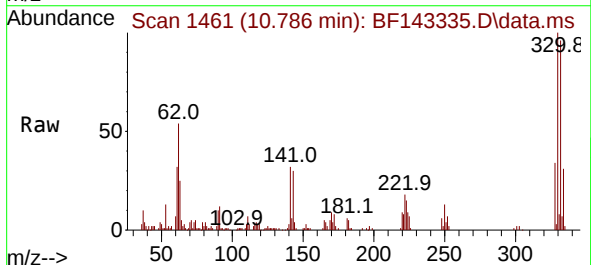
Instrument :
BNA_F
ClientSampleId :
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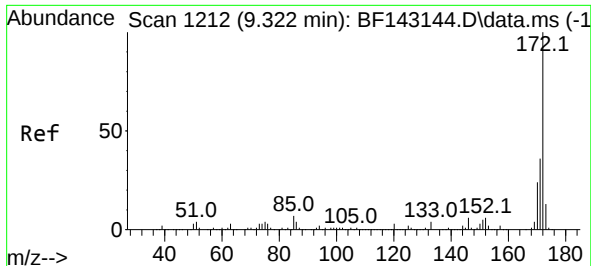
Tgt Ion:164 Resp: 129129
Ion Ratio Lower Upper
164 100
162 97.4 79.0 118.6
160 44.0 35.1 52.7



#42
2,4,6-Tribromophenol
Concen: 40.507 ng
RT: 10.786 min Scan# 1461
Delta R.T. -0.000 min
Lab File: BF143335.D
Acq: 06 Aug 2025 17:41

Tgt Ion:330 Resp: 54035
Ion Ratio Lower Upper
330 100
332 96.7 76.7 115.1
141 33.1 23.3 34.9





#45

2-Fluorobiphenyl

Concen: 25.301 ng

RT: 9.316 min Scan# 1

Delta R.T. -0.006 min

Lab File: BF143335.D

Acq: 06 Aug 2025 17:41

Instrument :

BNA_F

ClientSampleId :

TP-3

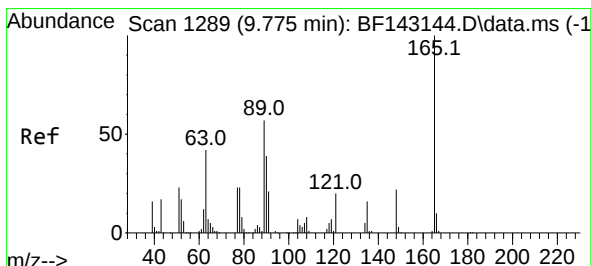
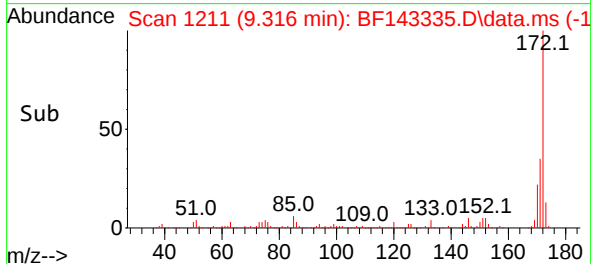
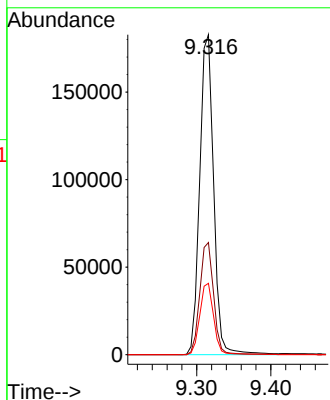
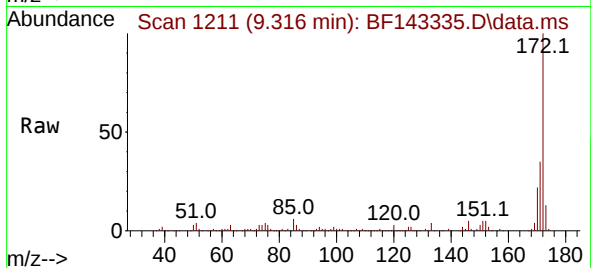
Tgt Ion:172 Resp: 238884

Ion Ratio Lower Upper

172 100

171 35.1 28.6 42.8

170 22.3 18.8 28.2



#51

2,6-Dinitrotoluene

Concen: 9.813 ng

RT: 9.998 min Scan# 1327

Delta R.T. 0.223 min

Lab File: BF143335.D

Acq: 06 Aug 2025 17:41

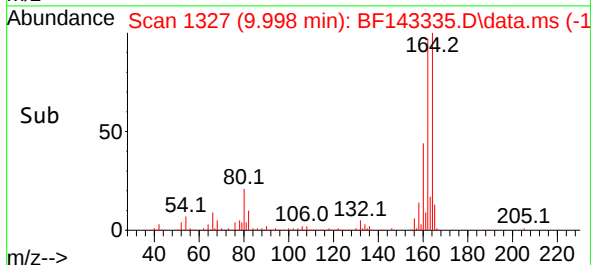
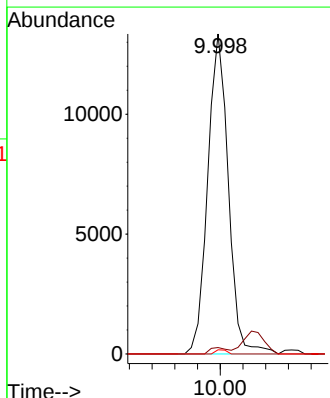
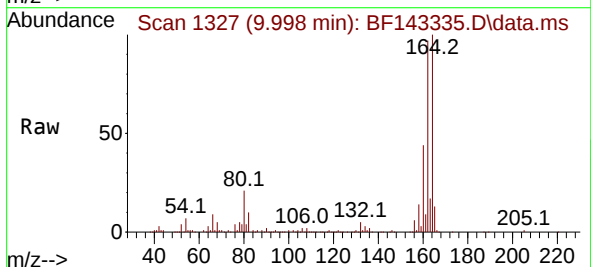
Tgt Ion:165 Resp: 16802

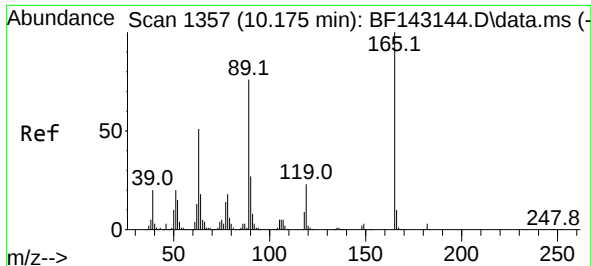
Ion Ratio Lower Upper

165 100

63 2.0 49.4 74.2#

89 1.3 46.2 69.2#

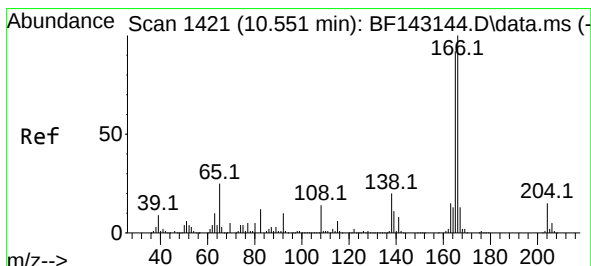
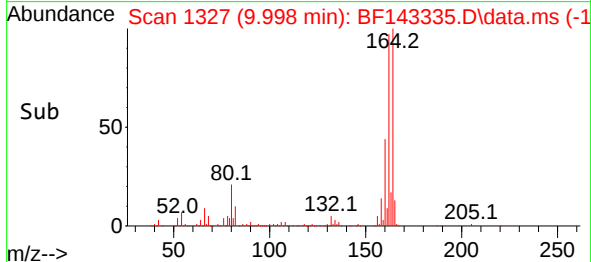
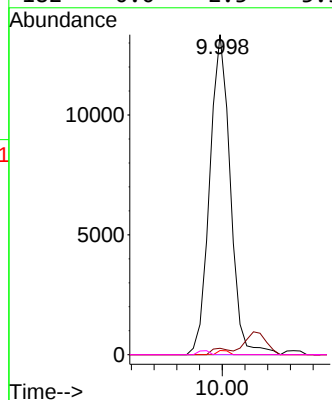
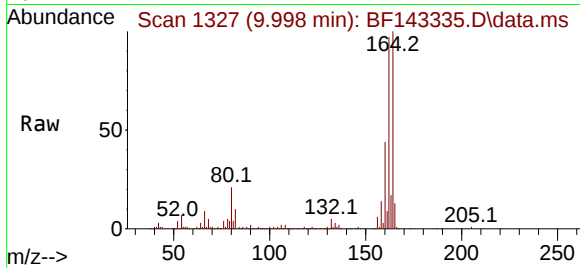




#57
2,4-Dinitrotoluene
Concen: 7.821 ng
RT: 9.998 min Scan# 11
Delta R.T. -0.176 min
Lab File: BF143335.D
Acq: 06 Aug 2025 17:41

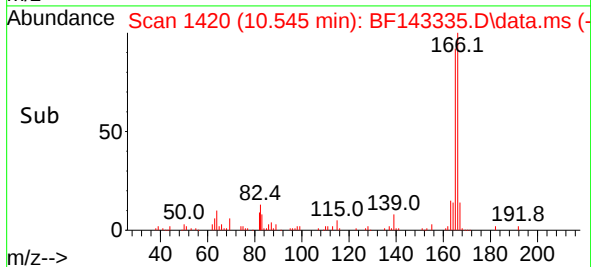
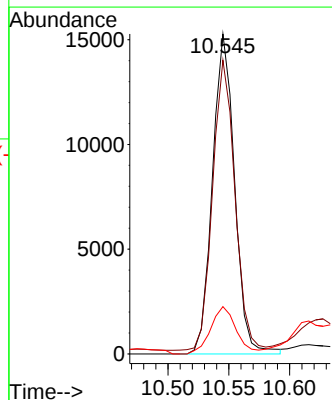
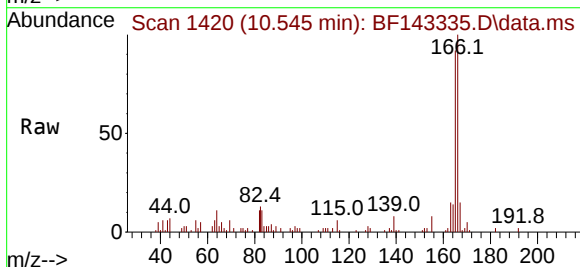
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TP-3

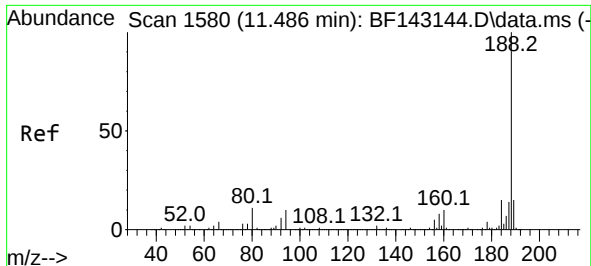
Tgt Ion:165 Resp: 16802
Ion Ratio Lower Upper
165 100
63 2.0 41.0 61.4#
89 1.3 61.1 91.7#
182 0.0 2.3 3.5#



#58
Fluorene
Concen: 2.352 ng
RT: 10.545 min Scan# 1420
Delta R.T. -0.006 min
Lab File: BF143335.D
Acq: 06 Aug 2025 17:41

Tgt Ion:166 Resp: 19355
Ion Ratio Lower Upper
166 100
165 91.8 73.7 110.5
167 14.8 10.6 16.0

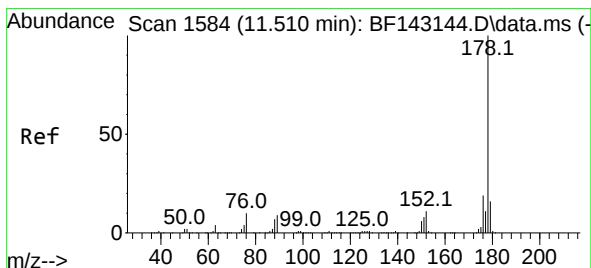
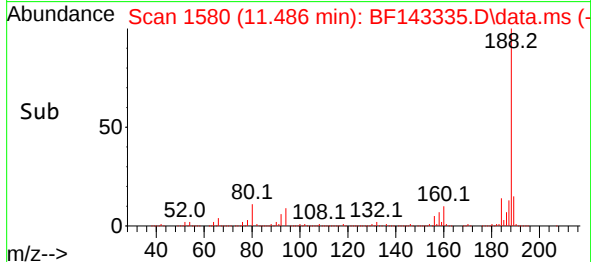
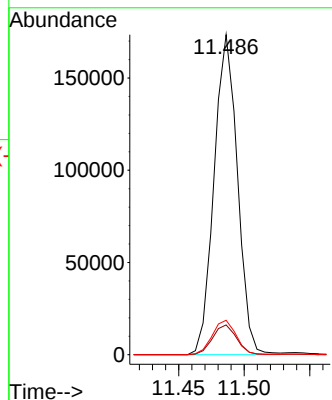
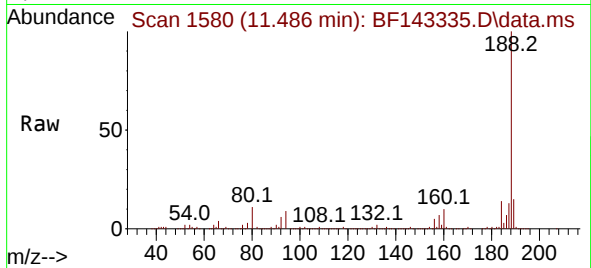




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.486 min Scan# 1580
Delta R.T. -0.000 min
Lab File: BF143335.D
Acq: 06 Aug 2025 17:41

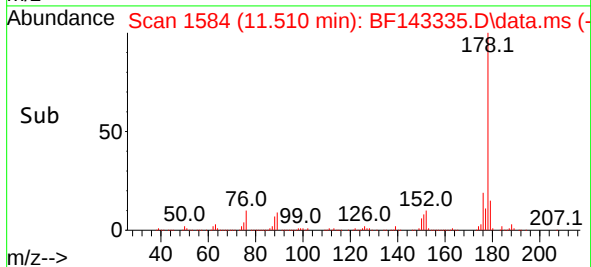
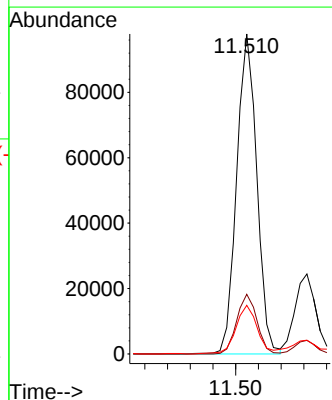
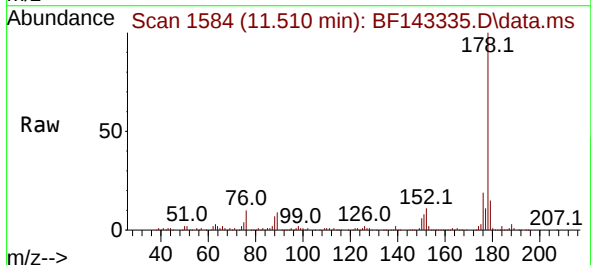
Instrument :
BNA_F
ClientSampleId :
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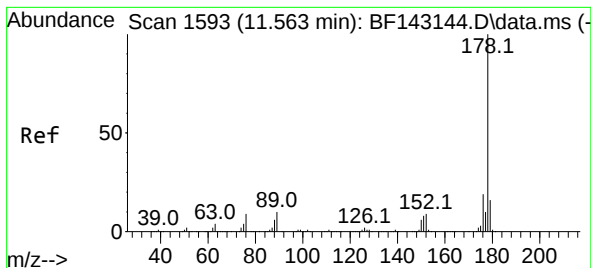
Tgt Ion:188 Resp: 215229
Ion Ratio Lower Upper
188 100
94 9.3 8.3 12.5
80 10.8 9.0 13.6



#71
Phenanthrene
Concen: 10.514 ng
RT: 11.510 min Scan# 1584
Delta R.T. -0.000 min
Lab File: BF143335.D
Acq: 06 Aug 2025 17:41

Tgt Ion:178 Resp: 120149
Ion Ratio Lower Upper
178 100
176 18.7 15.3 22.9
179 15.2 12.5 18.7





#72

Anthracene

Concen: 2.726 ng

RT: 11.563 min Scan# 1

Delta R.T. -0.000 min

Lab File: BF143335.D

Acq: 06 Aug 2025 17:41

Instrument :

BNA_F

ClientSampleId :

TP-3

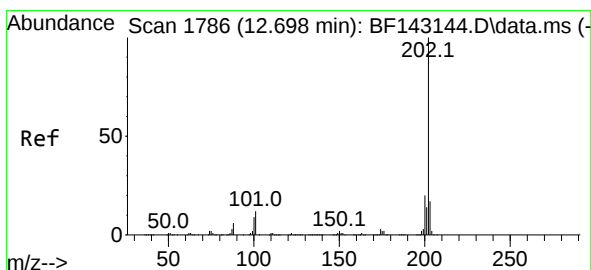
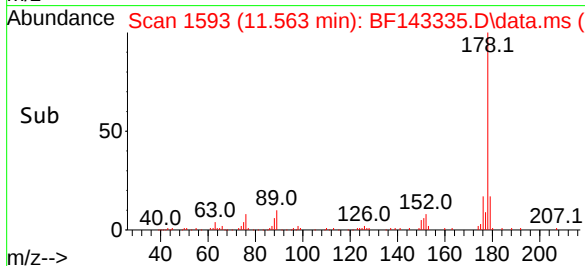
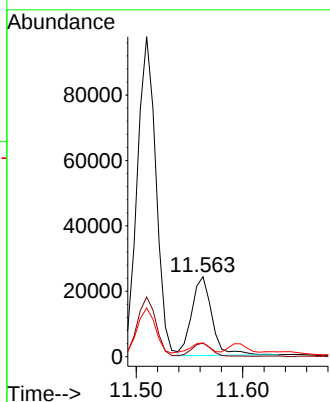
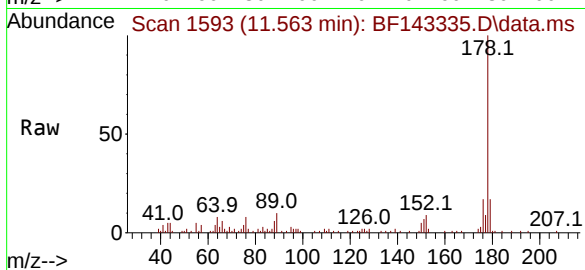
Tgt Ion:178 Resp: 31767

Ion Ratio Lower Upper

178 100

176 16.9 15.0 22.4

179 17.3 12.5 18.7



#75

Fluoranthene

Concen: 17.570 ng

RT: 12.704 min Scan# 1787

Delta R.T. 0.006 min

Lab File: BF143335.D

Acq: 06 Aug 2025 17:41

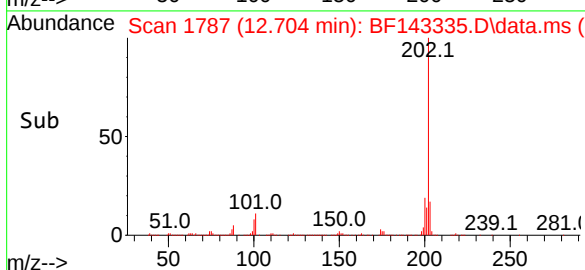
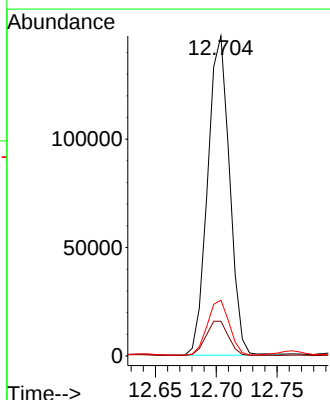
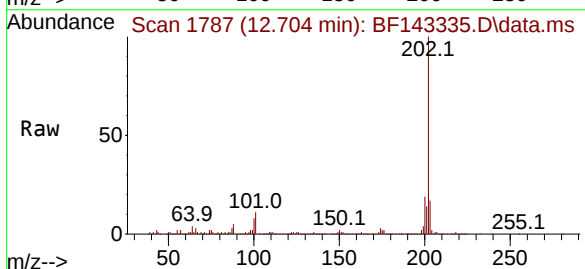
Tgt Ion:202 Resp: 184300

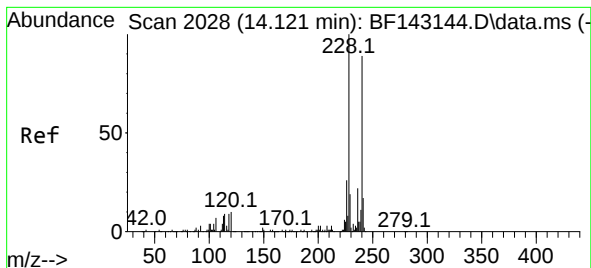
Ion Ratio Lower Upper

202 100

101 10.8 0.0 31.7

203 17.5 0.0 37.4





#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.127 min Scan# 20

Delta R.T. 0.006 min

Lab File: BF143335.D

Acq: 06 Aug 2025 17:41

Instrument :

BNA_F

ClientSampleId :

TP-3

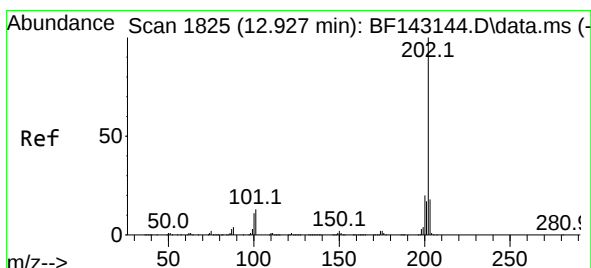
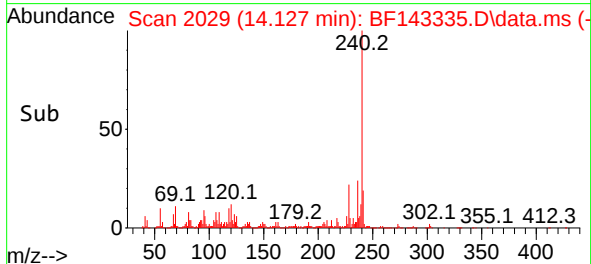
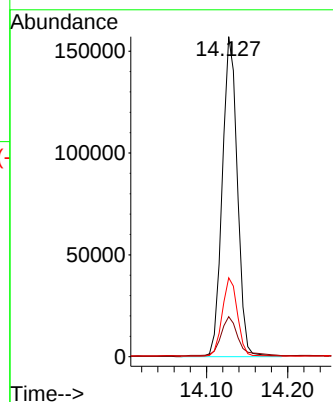
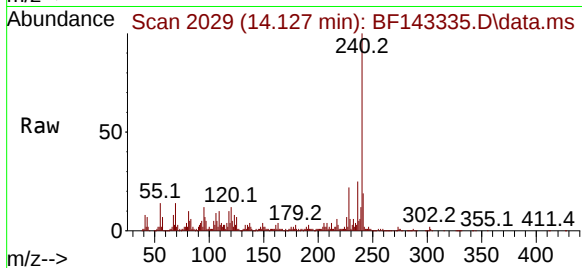
Tgt Ion:240 Resp: 203933

Ion Ratio Lower Upper

240 100

120 12.5 9.4 14.2

236 24.7 20.2 30.4



#78

Pyrene

Concen: 9.413 ng

RT: 12.933 min Scan# 1826

Delta R.T. 0.006 min

Lab File: BF143335.D

Acq: 06 Aug 2025 17:41

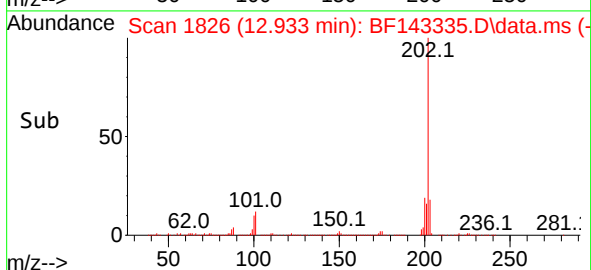
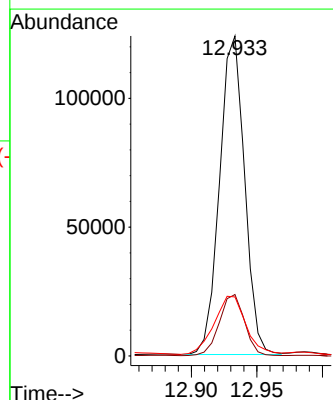
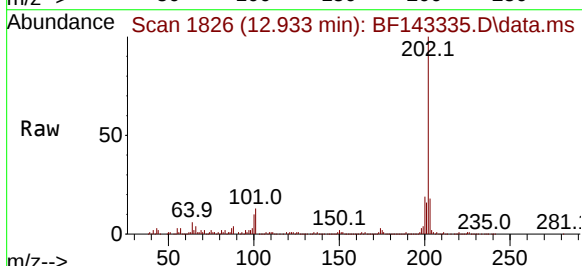
Tgt Ion:202 Resp: 163824

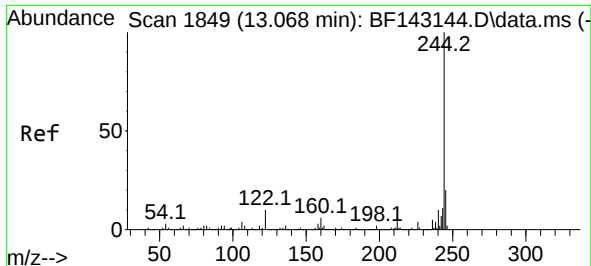
Ion Ratio Lower Upper

202 100

200 19.2 15.7 23.5

203 18.5 14.2 21.2

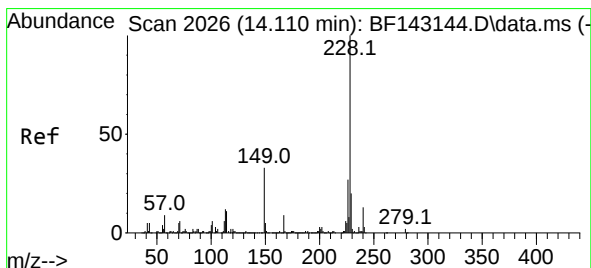
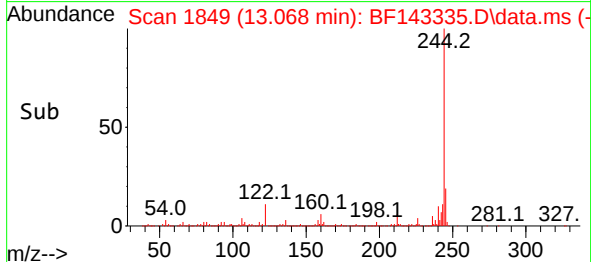
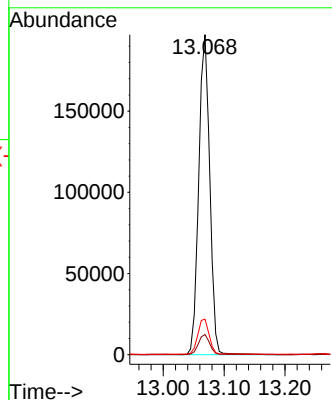
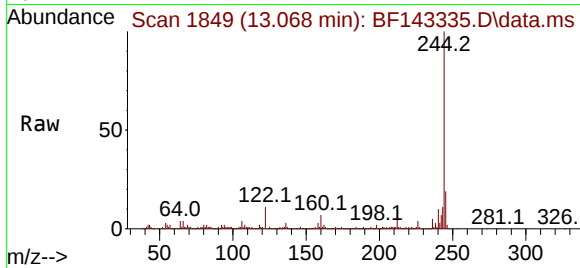




#79
 Terphenyl-d14
 Concen: 18.006 ng
 RT: 13.068 min Scan# 1849
 Delta R.T. -0.000 min
 Lab File: BF143335.D
 Acq: 06 Aug 2025 17:41

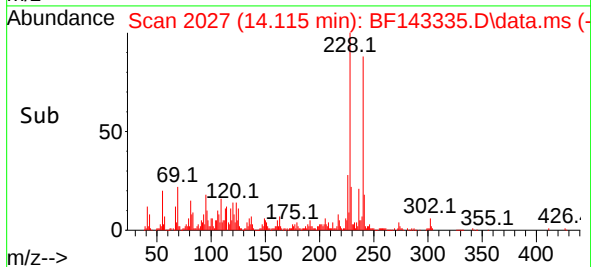
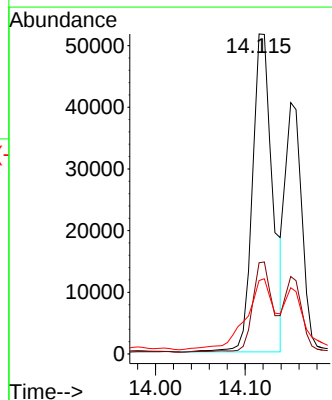
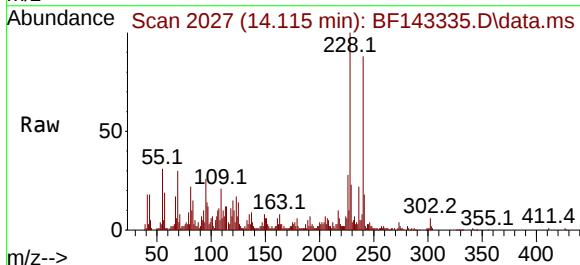
Instrument :
 BNA_F
 ClientSampleId :
 TP-3

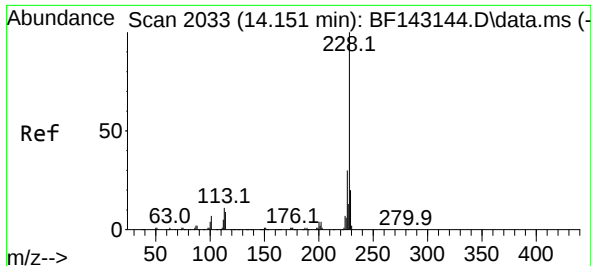
Tgt Ion:244 Resp: 246758
 Ion Ratio Lower Upper
 244 100
 212 6.3 5.2 7.8
 122 11.1 8.2 12.2



#81
 Benzo(a)anthracene
 Concen: 5.895 ng
 RT: 14.115 min Scan# 2027
 Delta R.T. 0.006 min
 Lab File: BF143335.D
 Acq: 06 Aug 2025 17:41

Tgt Ion:228 Resp: 80491
 Ion Ratio Lower Upper
 228 100
 226 28.5 21.7 32.5
 229 23.0 15.8 23.6

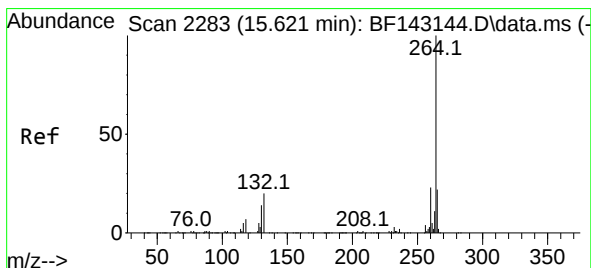
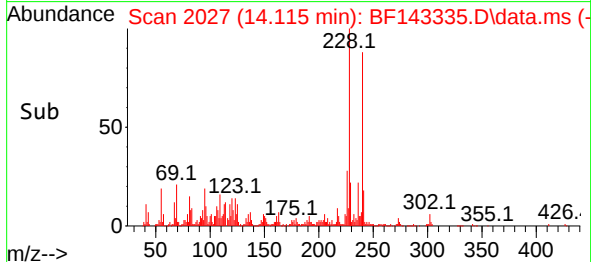
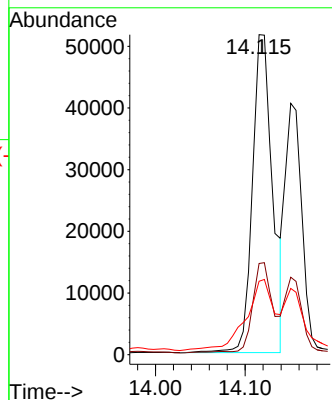
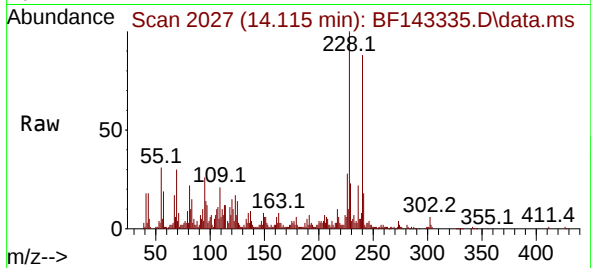




#83
Chrysene
Concen: 6.557 ng
RT: 14.115 min Scan# 2033
Delta R.T. -0.035 min
Lab File: BF143335.D
Acq: 06 Aug 2025 17:41

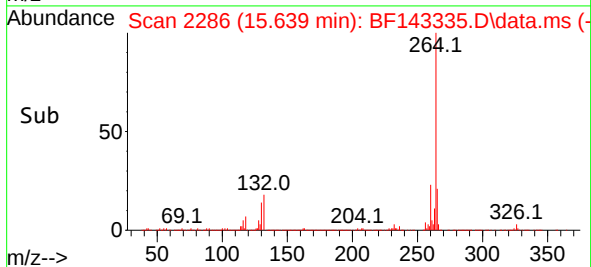
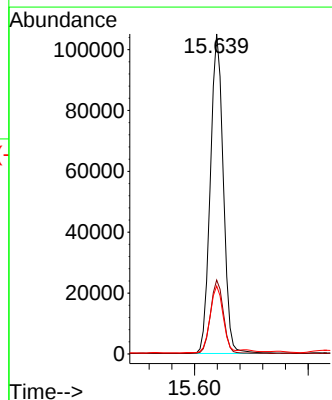
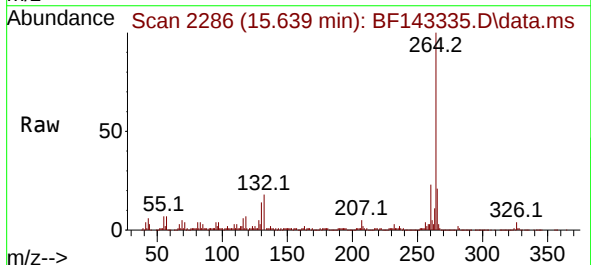
Instrument :
BNA_F
ClientSampleId :
TP-3

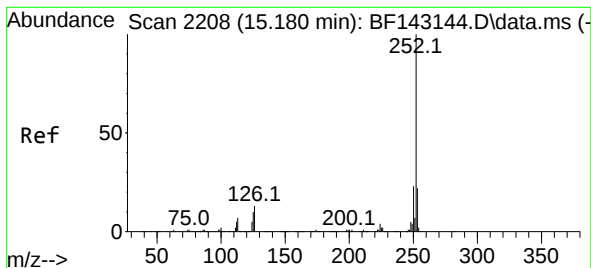
Tgt Ion:228 Resp: 80491
Ion Ratio Lower Upper
228 100
226 28.5 23.8 35.8
229 23.0 15.6 23.4



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.639 min Scan# 2286
Delta R.T. 0.018 min
Lab File: BF143335.D
Acq: 06 Aug 2025 17:41

Tgt Ion:264 Resp: 165917
Ion Ratio Lower Upper
264 100
260 23.1 18.5 27.7
265 21.3 17.4 26.2





#88

Benzo(b)fluoranthene

Concen: 7.512 ng

RT: 15.192 min Scan# 2210

Delta R.T. 0.012 min

Lab File: BF143335.D

Acq: 06 Aug 2025 17:41

Instrument :

BNA_F

ClientSampleId :

TP-3

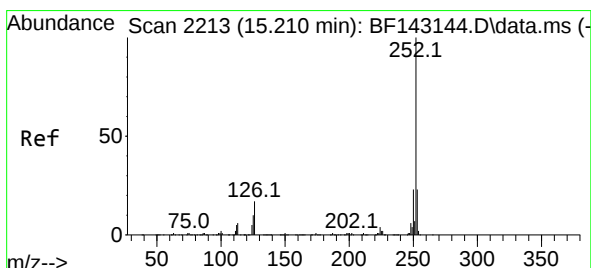
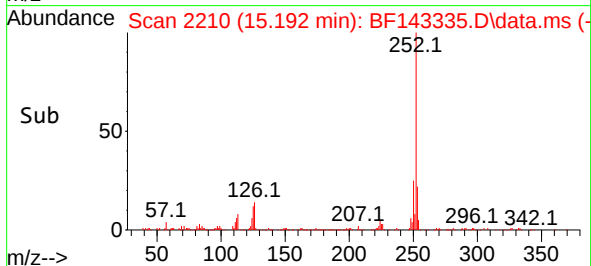
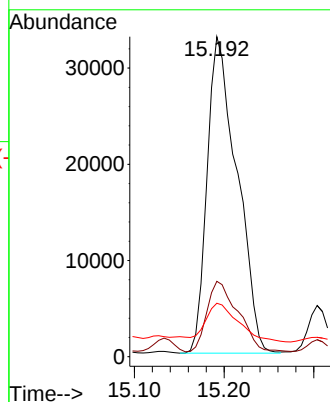
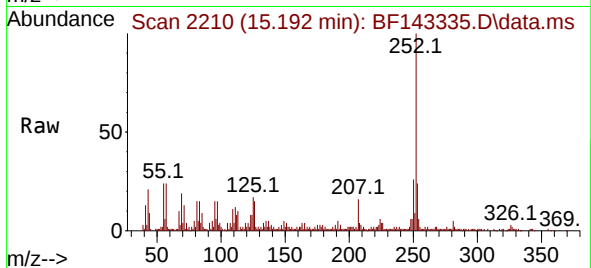
Tgt Ion:252 Resp: 76138

Ion Ratio Lower Upper

252 100

253 23.6 17.5 26.3

125 16.7 8.0 12.0#



#89

Benzo(k)fluoranthene

Concen: 8.418 ng

RT: 15.192 min Scan# 2210

Delta R.T. -0.018 min

Lab File: BF143335.D

Acq: 06 Aug 2025 17:41

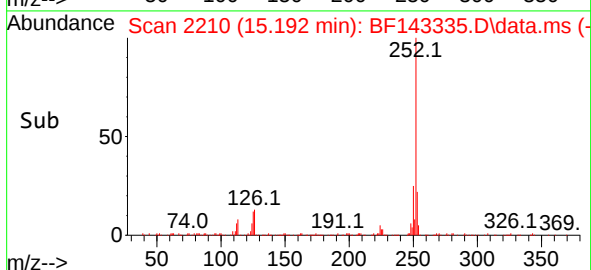
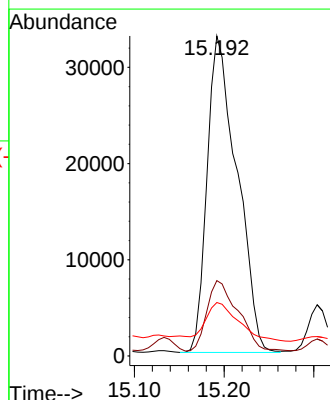
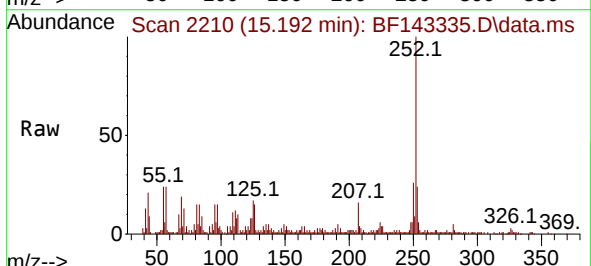
Tgt Ion:252 Resp: 76138

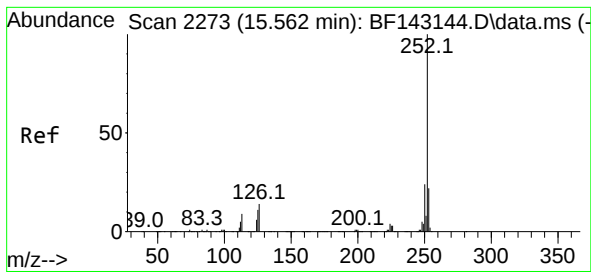
Ion Ratio Lower Upper

252 100

253 23.6 17.8 26.6

125 16.7 8.1 12.1#





#90

Benzo(a)pyrene

Concen: 3.662 ng

RT: 15.574 min Scan# 21

Delta R.T. 0.012 min

Lab File: BF143335.D

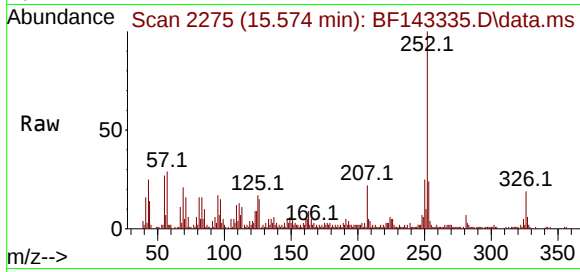
Acq: 06 Aug 2025 17:41

Instrument :

BNA_F

ClientSampleId :

TP-3



Tgt Ion:252 Resp: 34197

Ion Ratio Lower Upper

252 100

253 24.1 17.3 25.9

125 16.9 8.6 13.0#

