

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF081825\
 Data File : BF143441.D
 Acq On : 18 Aug 2025 15:05
 Operator : RC/JU
 Sample : Q2844-04 5X
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 MOO-25-0234-0235

Quant Time: Aug 18 15:34:17 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF081525.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Aug 18 04:40:19 2025
 Response via : Initial Calibration

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

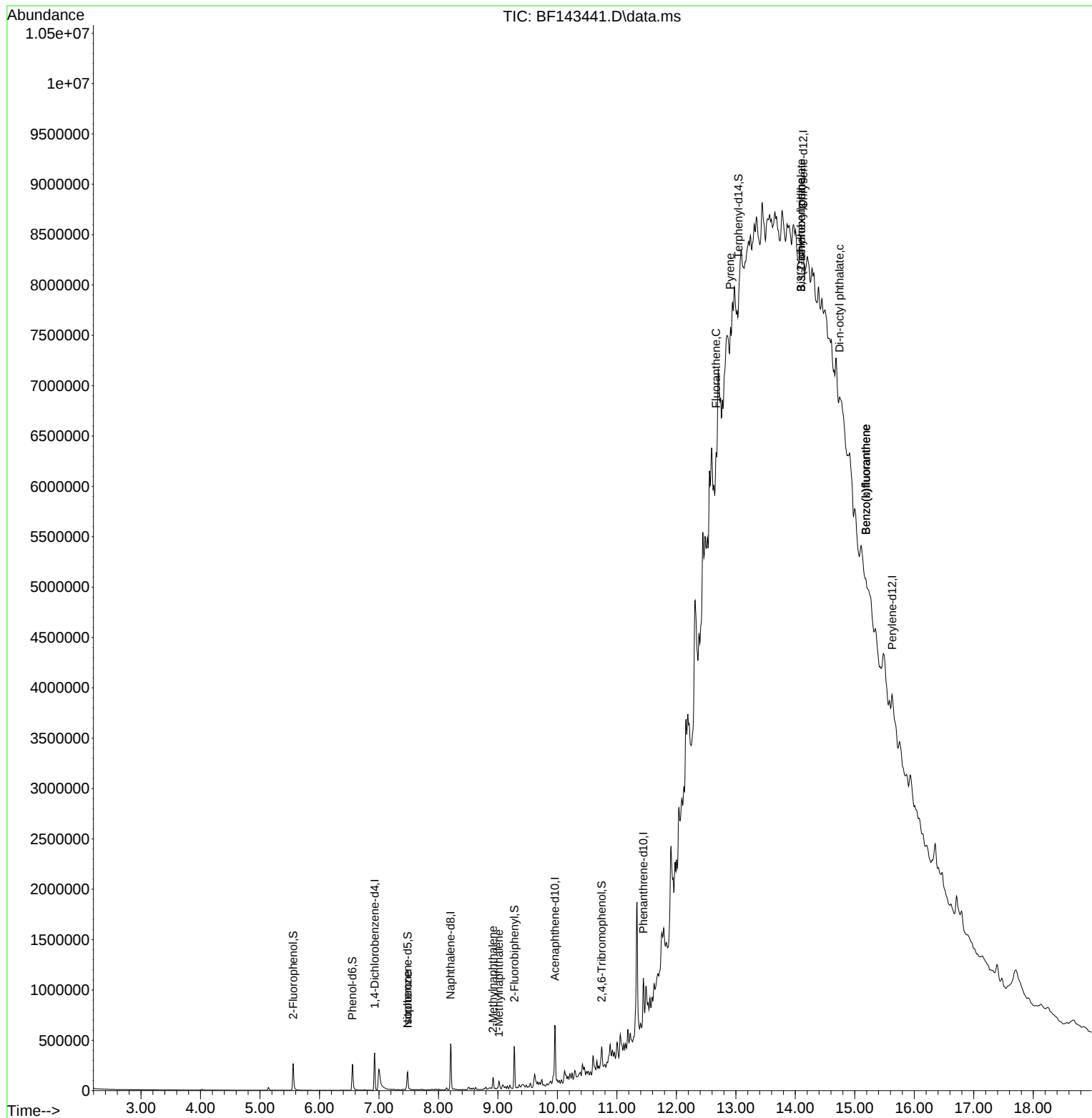
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.928	152	79121	20.000	ng	0.00
21) Naphthalene-d8	8.204	136	288533	20.000	ng	0.00
39) Acenaphthene-d10	9.957	164	160412	20.000	ng	0.00
64) Phenanthrene-d10	11.445	188	266451	20.000	ng	0.00
76) Chrysene-d12	14.133	240	132064	20.000	ng	# 0.05
86) Perylene-d12	15.627	264	122699	20.000	ng	0.05
System Monitoring Compounds						
5) 2-Fluorophenol	5.557	112	110204	24.212	ng	0.00
7) Phenol-d6	6.551	99	137979	24.055	ng	0.00
23) Nitrobenzene-d5	7.481	82	81313	16.723	ng	0.00
42) 2,4,6-Tribromophenol	10.745	330	37105	25.988	ng	0.00
45) 2-Fluorobiphenyl	9.275	172	184101	19.304	ng	0.00
79) Terphenyl-d14	13.045	244	144266	18.351	ng	0.02
Target Compounds						
						Qvalue
25) Isophorone	7.481	82	81313	8.737	ng	# 65
37) 2-Methylnaphthalene	8.916	142	45834	4.964	ng	97
38) 1-Methylnaphthalene	9.016	142	28293	3.198	ng	99
75) Fluoranthene	12.669	202	34225	2.670	ng	# 61
78) Pyrene	12.904	202	29107	2.536	ng	# 67
82) 3,3'-Dichlorobenzidine	14.098	252	5020	2.039	ng	# 1
84) Bis(2-ethylhexyl)phtha...	14.098	149	170239	42.163	ng	# 84
85) Di-n-octyl phthalate	14.745	149	16918	2.066	ng	# 59
88) Benzo(b)fluoranthene	15.186	252	21347	3.246	ng	# 1
89) Benzo(k)fluoranthene	15.186	252	21347	3.291	ng	# 1

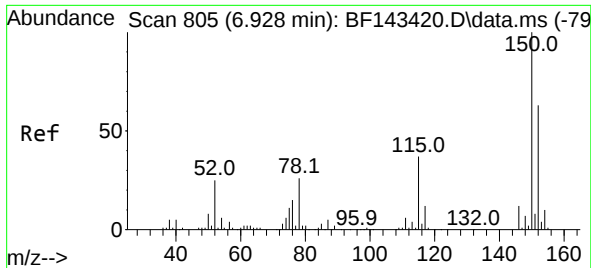
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF081825\
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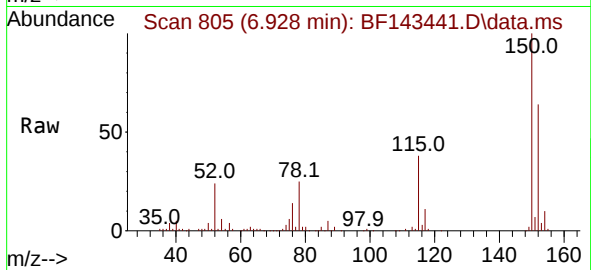
Quant Time: Aug 18 15:34:17 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF081525.M
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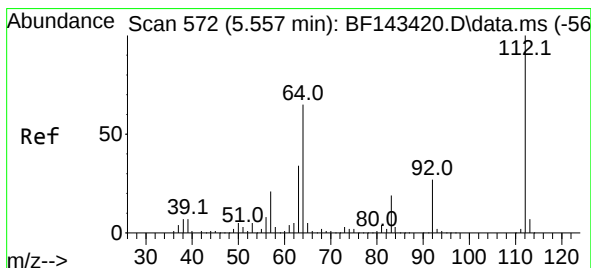
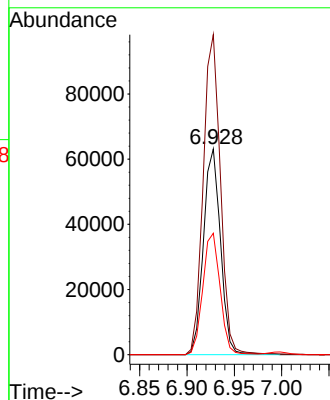
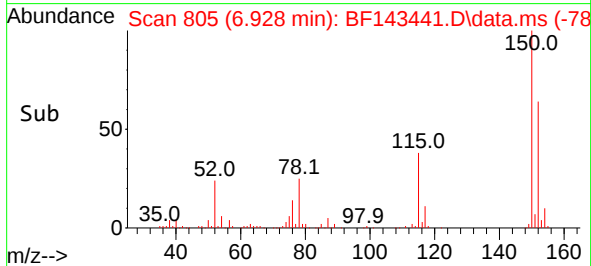


#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.928 min Scan# 805
Delta R.T. -0.000 min
Lab File: BF143441.D
Acq: 18 Aug 2025 15:05

Instrument :
BNA_F
ClientSampleId :
MOO-25-0234-0235

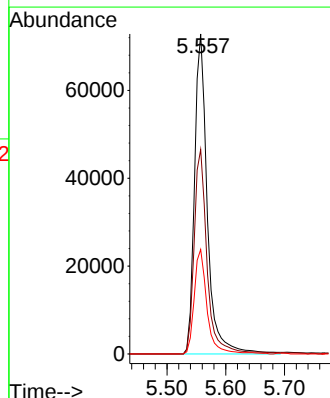
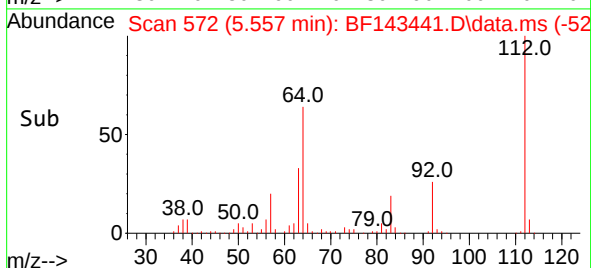
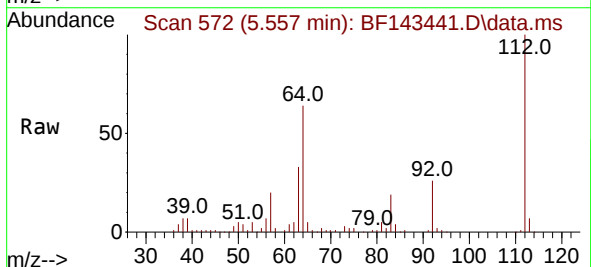


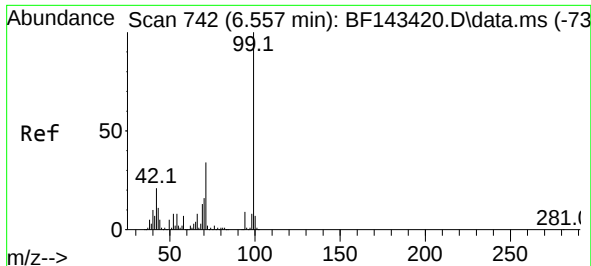
Tgt Ion:152 Resp: 79121
Ion Ratio Lower Upper
152 100
150 155.5 127.4 191.2
115 59.0 47.5 71.3



#5
2-Fluorophenol
Concen: 24.212 ng
RT: 5.557 min Scan# 572
Delta R.T. -0.000 min
Lab File: BF143441.D
Acq: 18 Aug 2025 15:05

Tgt Ion:112 Resp: 110204
Ion Ratio Lower Upper
112 100
64 63.9 52.2 78.2
63 32.7 27.0 40.6

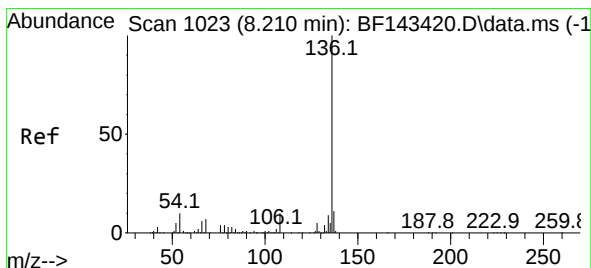
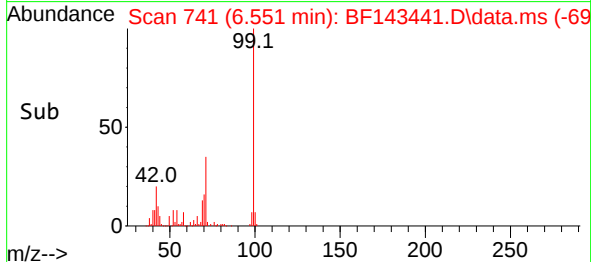
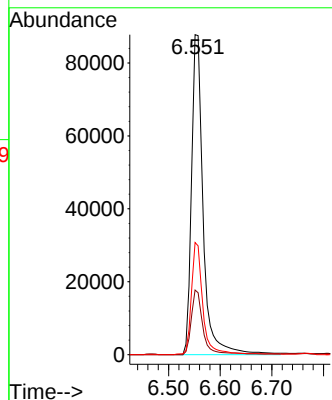
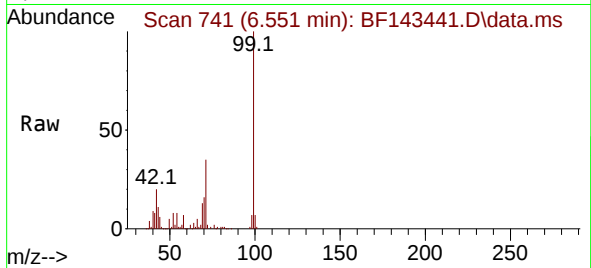




#7
Phenol-d6
Concen: 24.055 ng
RT: 6.551 min Scan# 741
Delta R.T. -0.006 min
Lab File: BF143441.D
Acq: 18 Aug 2025 15:05

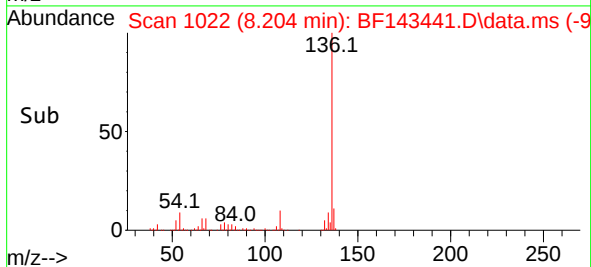
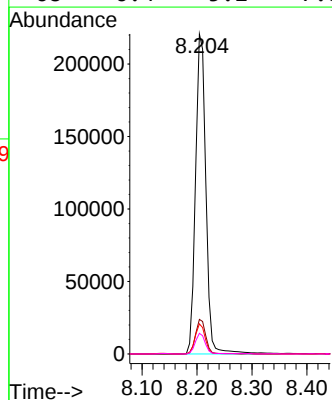
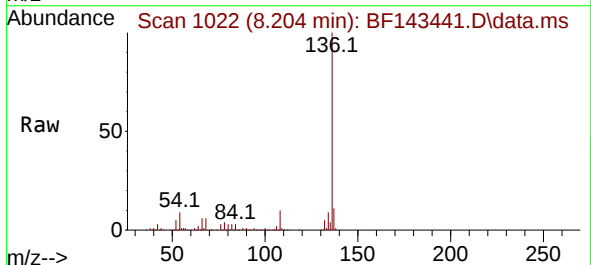
Instrument :
BNA_F
ClientSampleId :
MOO-25-0234-0235

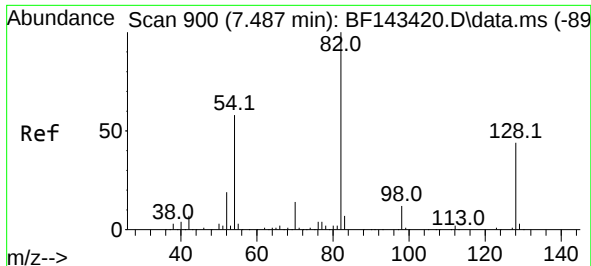
Tgt Ion: 99 Resp: 137979
Ion Ratio Lower Upper
99 100
42 20.2 17.0 25.6
71 35.1 27.4 41.2



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.204 min Scan# 1022
Delta R.T. -0.006 min
Lab File: BF143441.D
Acq: 18 Aug 2025 15:05

Tgt Ion: 136 Resp: 288533
Ion Ratio Lower Upper
136 100
137 10.8 8.8 13.2
54 9.4 7.8 11.8
68 6.4 5.2 7.8

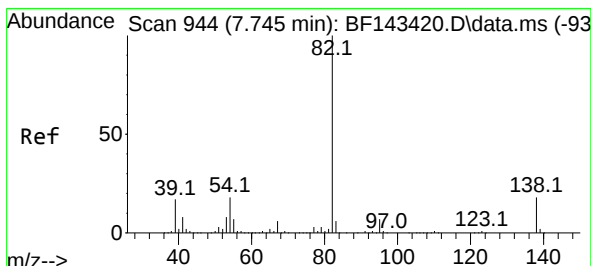
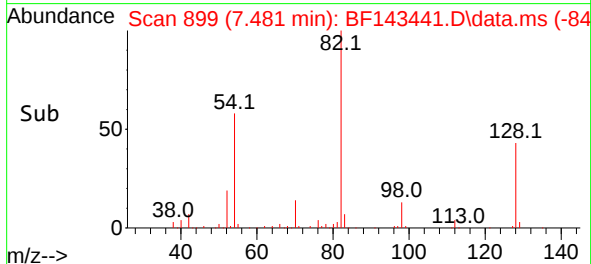
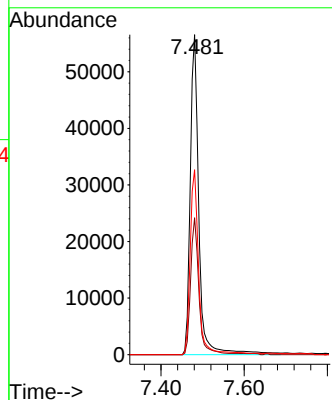
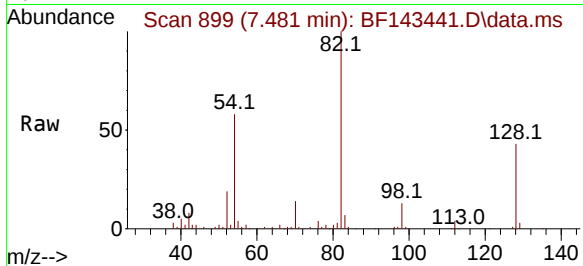




#23
Nitrobenzene-d5
Concen: 16.723 ng
RT: 7.481 min Scan# 899
Delta R.T. -0.006 min
Lab File: BF143441.D
Acq: 18 Aug 2025 15:05

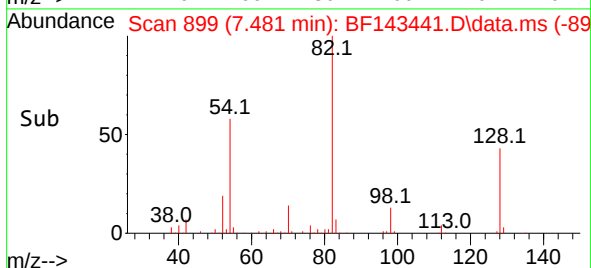
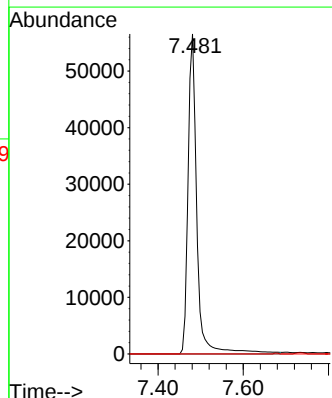
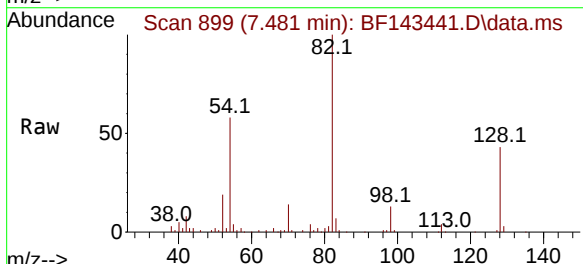
Instrument :
BNA_F
ClientSampleId :
MOO-25-0234-0235

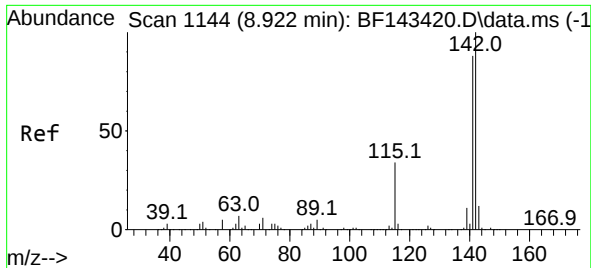
Tgt Ion: 82 Resp: 81313
Ion Ratio Lower Upper
82 100
128 42.8 34.6 52.0
54 57.8 46.0 69.0



#25
Isophorone
Concen: 8.737 ng
RT: 7.481 min Scan# 899
Delta R.T. -0.265 min
Lab File: BF143441.D
Acq: 18 Aug 2025 15:05

Tgt Ion: 82 Resp: 81313
Ion Ratio Lower Upper
82 100
95 0.0 5.6 8.4#
138 0.0 14.3 21.5#

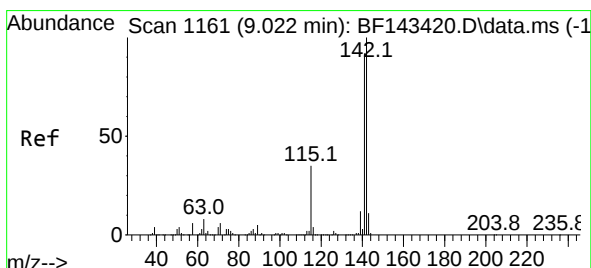
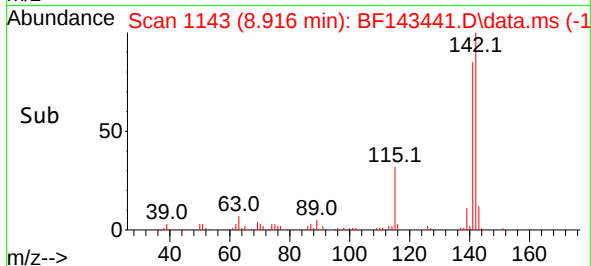
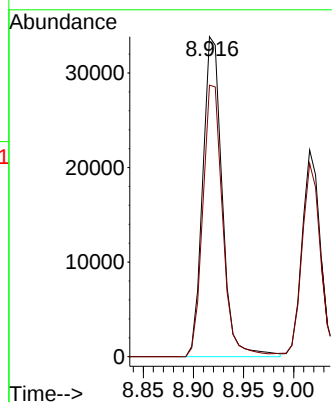
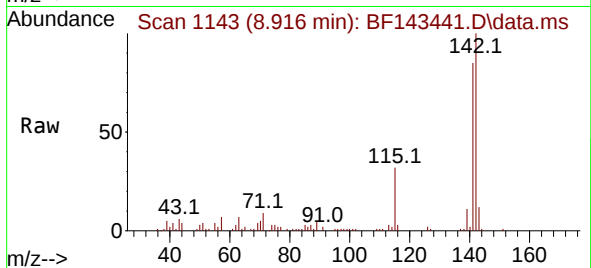




#37
2-Methylnaphthalene
Concen: 4.964 ng
RT: 8.916 min Scan# 1143
Delta R.T. -0.006 min
Lab File: BF143441.D
Acq: 18 Aug 2025 15:05

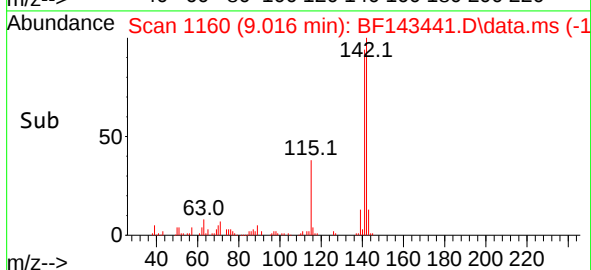
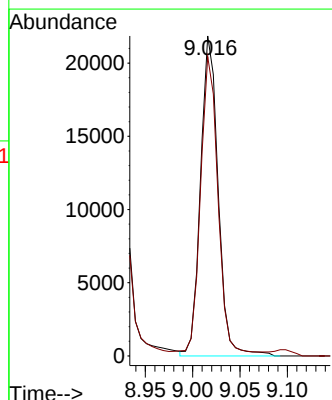
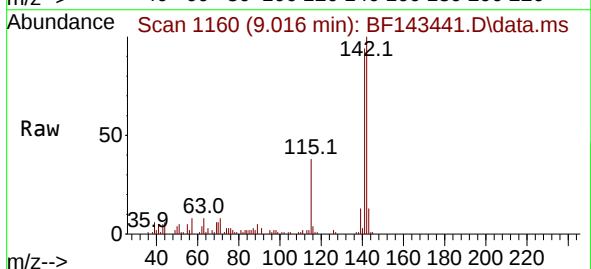
Instrument :
BNA_F
ClientSampleId :
MOO-25-0234-0235

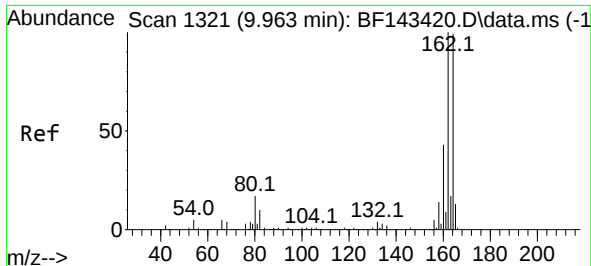
Tgt Ion:142 Resp: 45834
Ion Ratio Lower Upper
142 100
141 84.9 70.3 105.5



#38
1-Methylnaphthalene
Concen: 3.198 ng
RT: 9.016 min Scan# 1160
Delta R.T. -0.006 min
Lab File: BF143441.D
Acq: 18 Aug 2025 15:05

Tgt Ion:142 Resp: 28293
Ion Ratio Lower Upper
142 100
141 93.6 73.8 110.6





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.957 min Scan# 1

Delta R.T. -0.006 min

Lab File: BF143441.D

Acq: 18 Aug 2025 15:05

Instrument :

BNA_F

ClientSampleId :

MOO-25-0234-0235

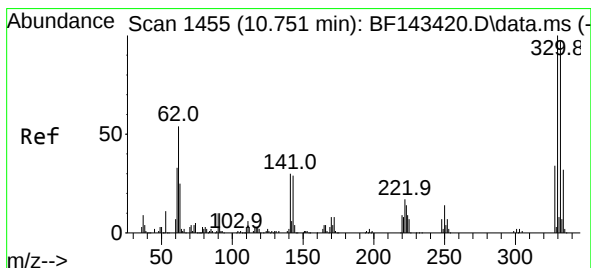
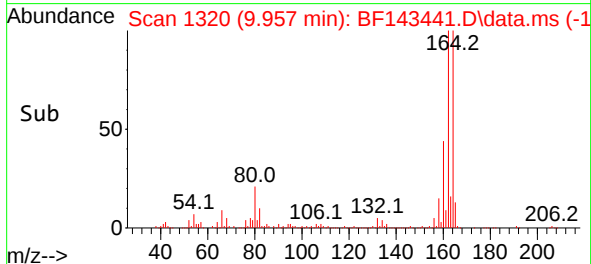
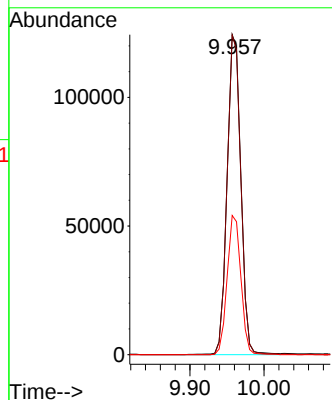
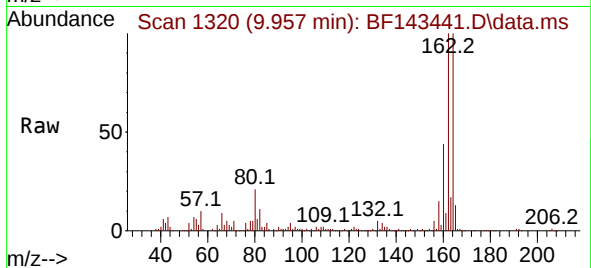
Tgt Ion:164 Resp: 160412

Ion Ratio Lower Upper

164 100

162 99.8 80.6 121.0

160 43.5 34.6 51.8



#42

2,4,6-Tribromophenol

Concen: 25.988 ng

RT: 10.745 min Scan# 1454

Delta R.T. -0.006 min

Lab File: BF143441.D

Acq: 18 Aug 2025 15:05

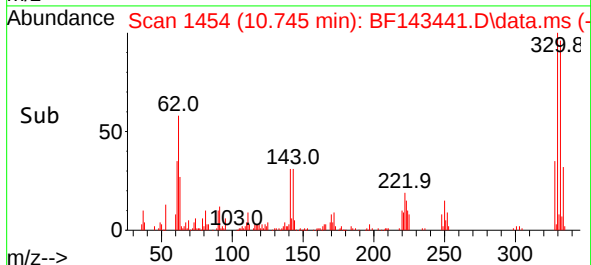
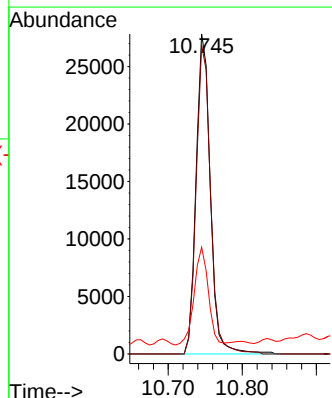
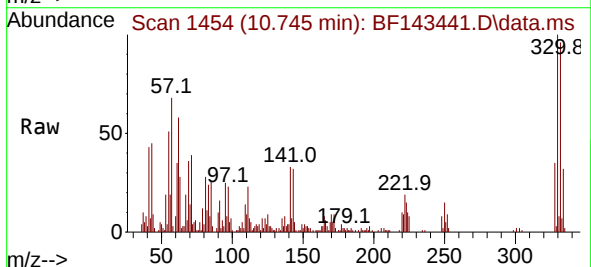
Tgt Ion:330 Resp: 37105

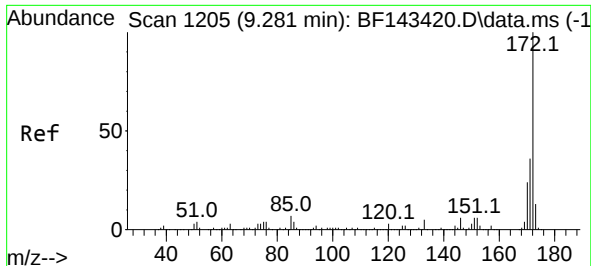
Ion Ratio Lower Upper

330 100

332 97.4 77.4 116.2

141 30.2 24.1 36.1





#45

2-Fluorobiphenyl

Concen: 19.304 ng

RT: 9.275 min Scan# 1

Delta R.T. -0.006 min

Lab File: BF143441.D

Acq: 18 Aug 2025 15:05

Instrument :

BNA_F

ClientSampleId :

MOO-25-0234-0235

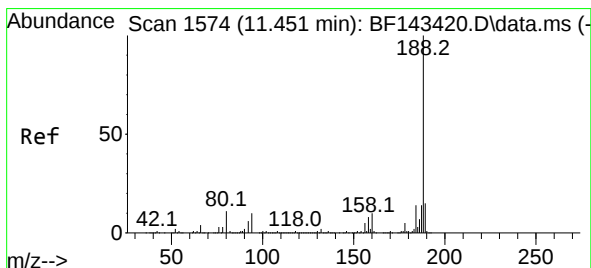
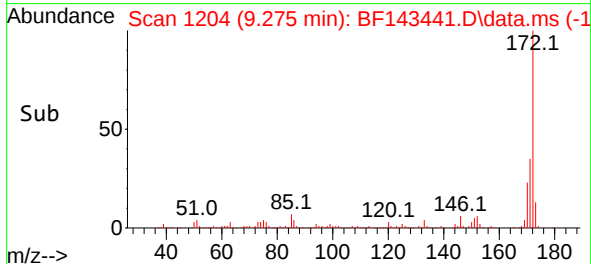
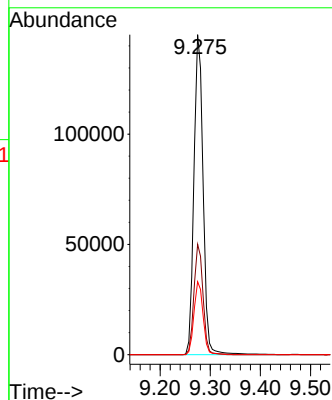
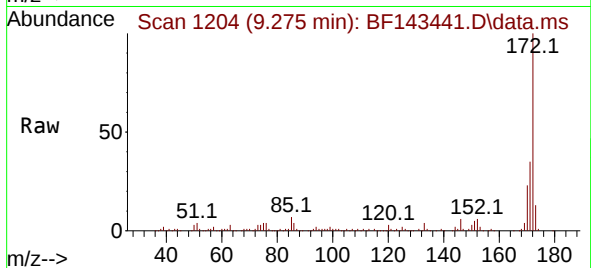
Tgt Ion:172 Resp: 184101

Ion Ratio Lower Upper

172 100

171 34.5 28.7 43.1

170 22.8 19.0 28.6



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.445 min Scan# 1573

Delta R.T. -0.006 min

Lab File: BF143441.D

Acq: 18 Aug 2025 15:05

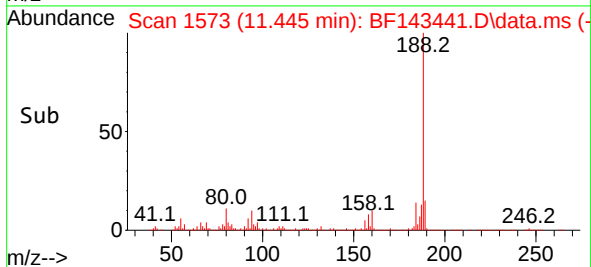
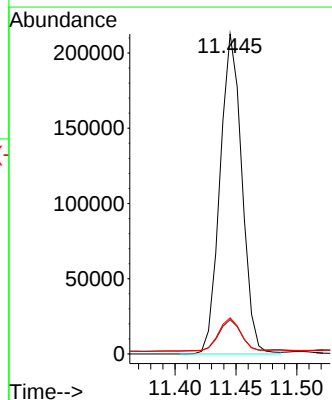
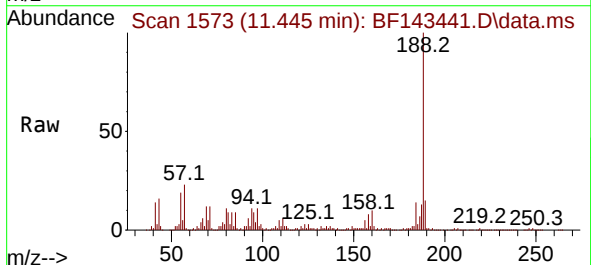
Tgt Ion:188 Resp: 266451

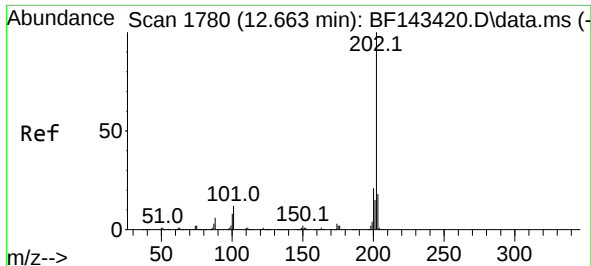
Ion Ratio Lower Upper

188 100

94 10.7 8.0 12.0

80 11.3 8.6 12.8

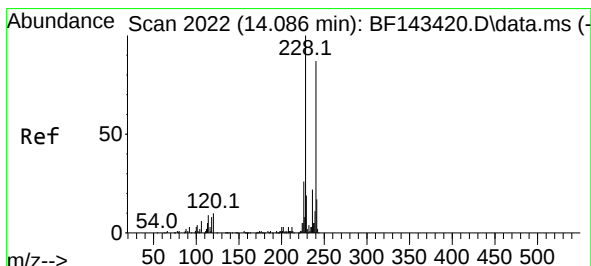
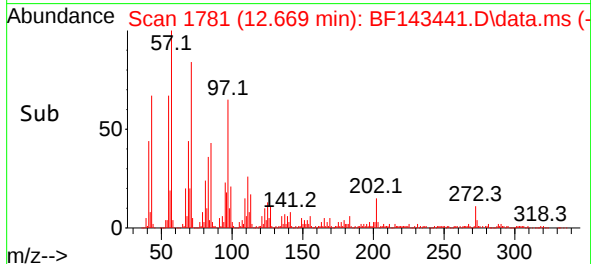
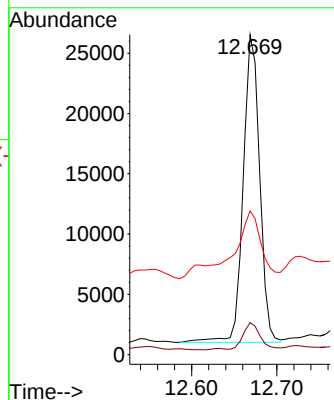
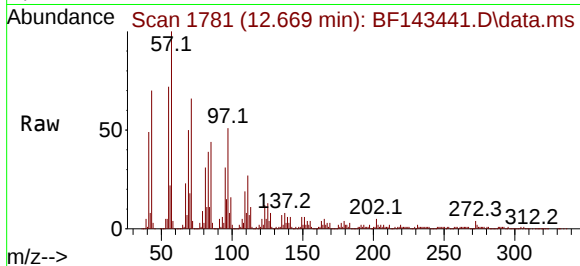




#75
Fluoranthene
Concen: 2.670 ng
RT: 12.669 min Scan# 11
Delta R.T. 0.006 min
Lab File: BF143441.D
Acq: 18 Aug 2025 15:05

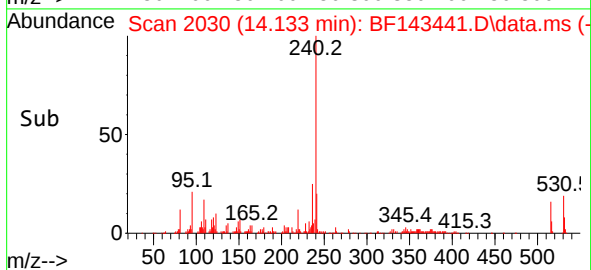
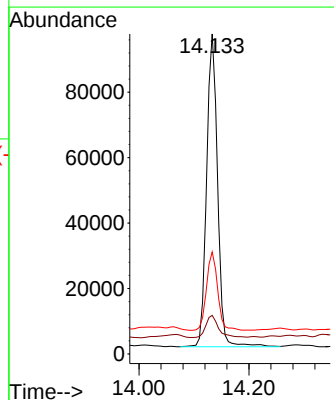
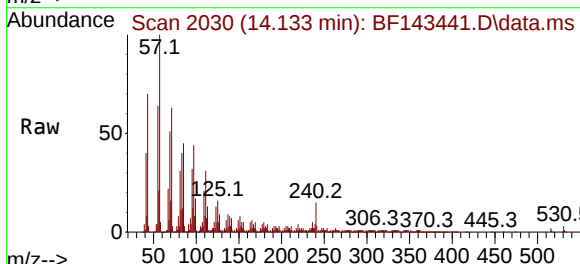
Instrument :
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MOO-25-0234-0235

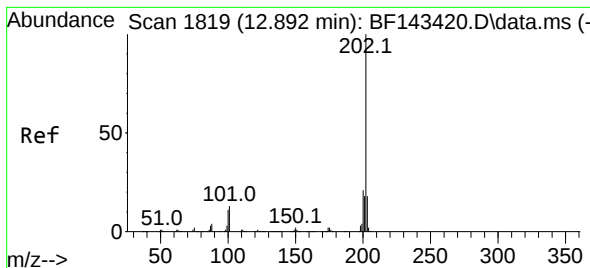
Tgt Ion:202 Resp: 34225
Ion Ratio Lower Upper
202 100
101 10.0 0.0 31.5
203 44.9 0.0 37.5#



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.133 min Scan# 2030
Delta R.T. 0.047 min
Lab File: BF143441.D
Acq: 18 Aug 2025 15:05

Tgt Ion:240 Resp: 132064
Ion Ratio Lower Upper
240 100
120 12.0 9.0 13.4
236 31.9 20.2 30.2#





#78

Pyrene

Concen: 2.536 ng

RT: 12.904 min Scan# 1821

Delta R.T. 0.012 min

Lab File: BF143441.D

Acq: 18 Aug 2025 15:05

Instrument :

BNA_F

ClientSampleId :

MOO-25-0234-0235

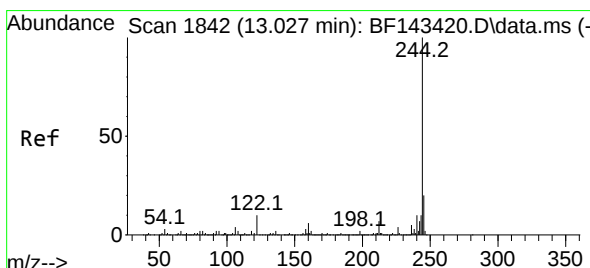
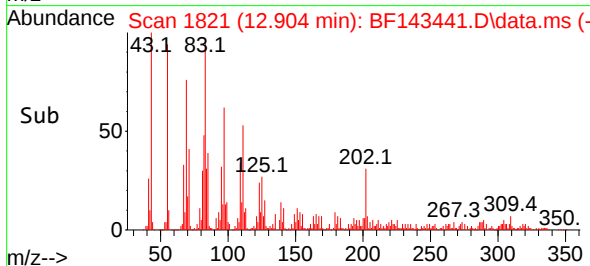
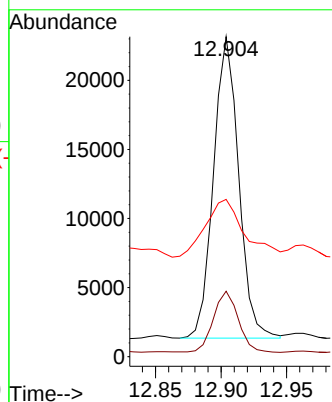
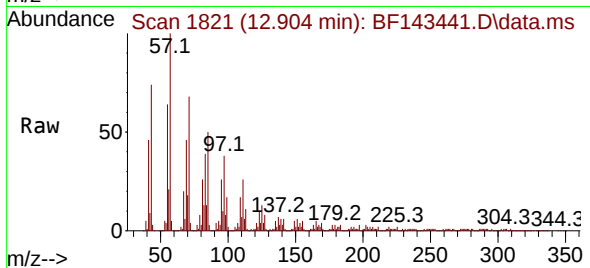
Tgt Ion:202 Resp: 29107

Ion Ratio Lower Upper

202 100

200 20.4 17.1 25.7

203 49.1 14.2 21.2#



#79

Terphenyl-d14

Concen: 18.351 ng

RT: 13.045 min Scan# 1845

Delta R.T. 0.018 min

Lab File: BF143441.D

Acq: 18 Aug 2025 15:05

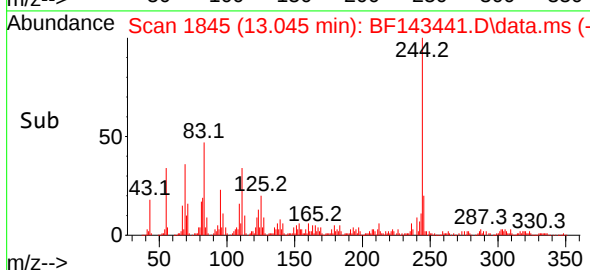
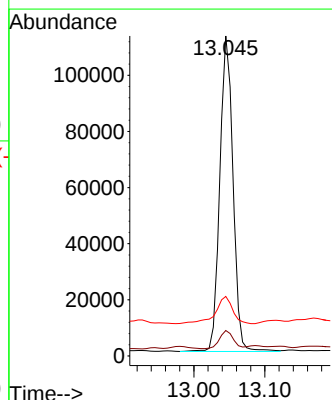
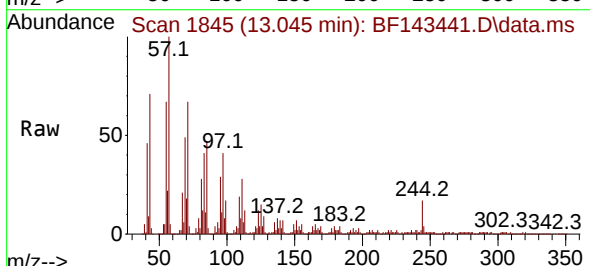
Tgt Ion:244 Resp: 144266

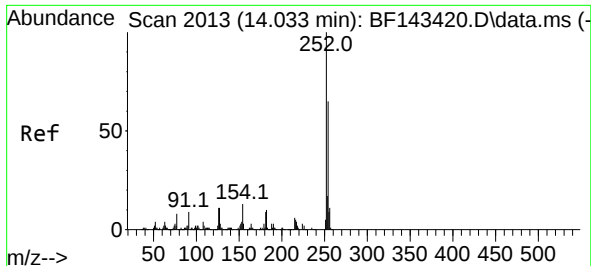
Ion Ratio Lower Upper

244 100

212 7.9 5.2 7.8#

122 18.6 8.3 12.5#

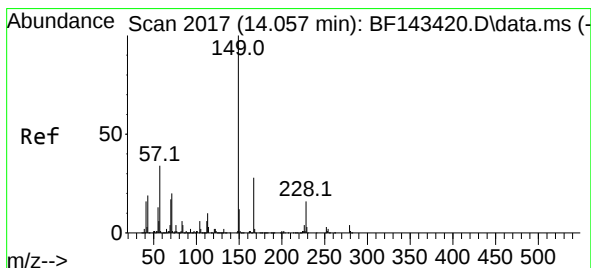
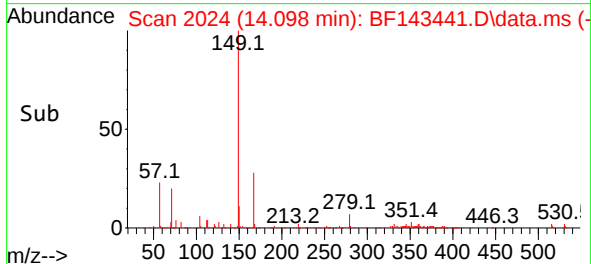
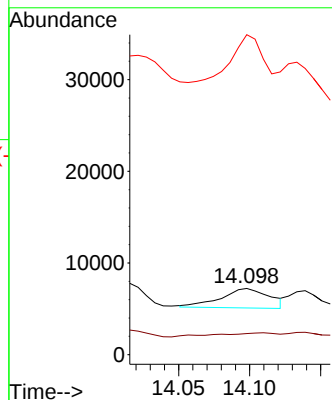
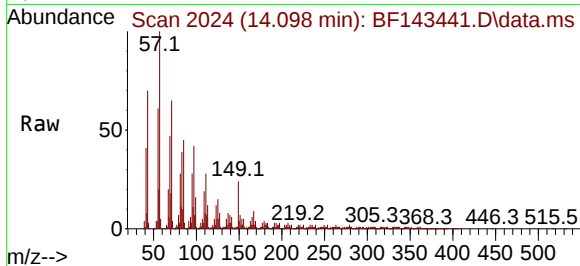




#82
 3,3'-Dichlorobenzidine
 Concen: 2.039 ng
 RT: 14.098 min Scan# 2024
 Delta R.T. 0.065 min
 Lab File: BF143441.D
 Acq: 18 Aug 2025 15:05

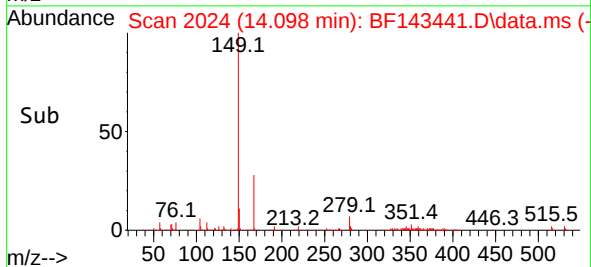
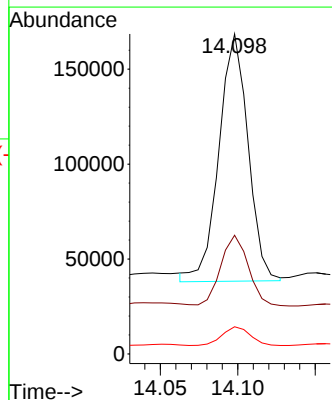
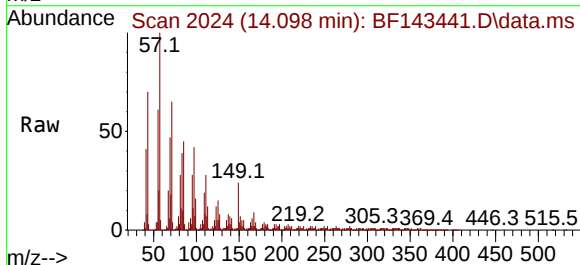
Instrument :
 BNA_F
 ClientSampleId :
 MOO-25-0234-0235

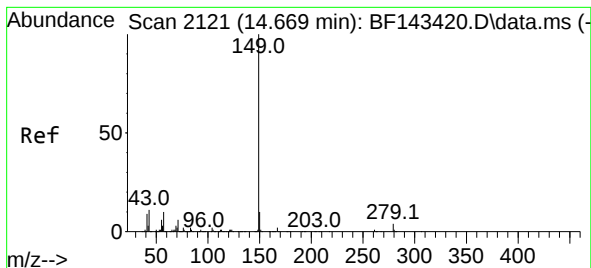
Tgt Ion:252 Resp: 5020
 Ion Ratio Lower Upper
 252 100
 254 31.8 51.6 77.4#
 126 483.0 8.8 13.2#



#84
 Bis(2-ethylhexyl)phthalate
 Concen: 42.163 ng
 RT: 14.098 min Scan# 2024
 Delta R.T. 0.041 min
 Lab File: BF143441.D
 Acq: 18 Aug 2025 15:05

Tgt Ion:149 Resp: 170239
 Ion Ratio Lower Upper
 149 100
 167 37.1 22.6 33.8#
 279 8.5 3.5 5.3#





#85

Di-n-octyl phthalate

Concen: 2.066 ng

RT: 14.745 min Scan# 2121

Delta R.T. 0.076 min

Lab File: BF143441.D

Acq: 18 Aug 2025 15:05

Instrument :

BNA_F

ClientSampleId :

MOO-25-0234-0235

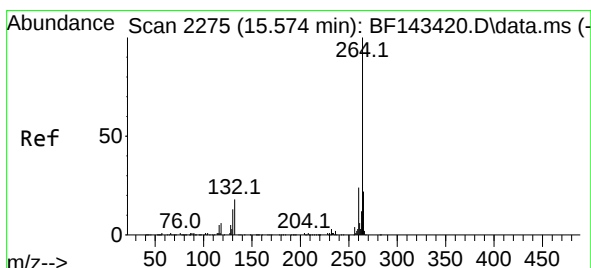
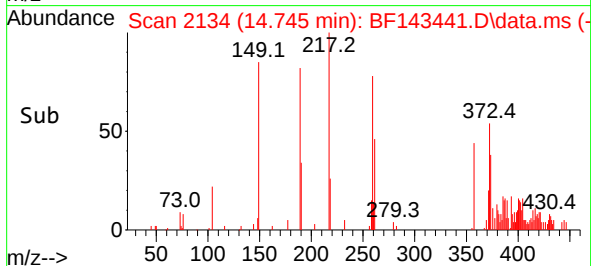
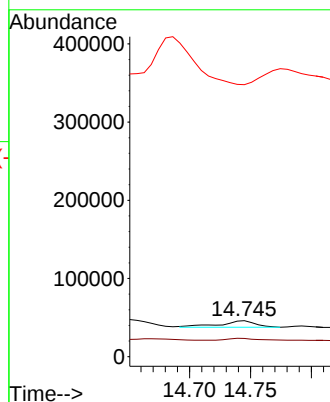
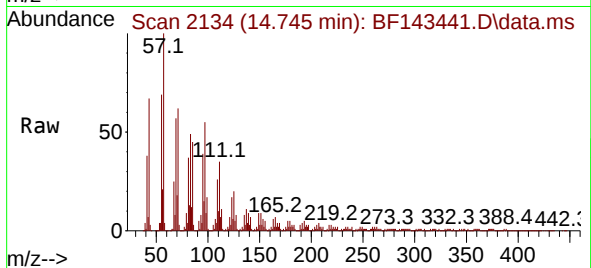
Tgt Ion:149 Resp: 16918

Ion Ratio Lower Upper

149 100

167 50.0 1.2 1.8#

43 0.0 9.0 13.6#



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.627 min Scan# 2284

Delta R.T. 0.053 min

Lab File: BF143441.D

Acq: 18 Aug 2025 15:05

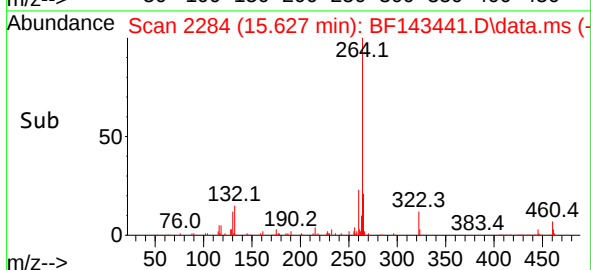
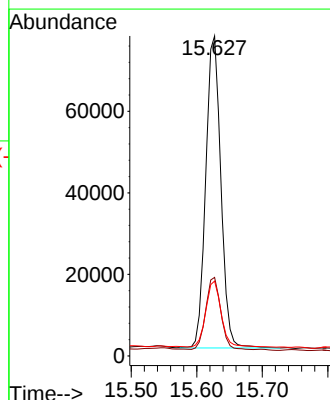
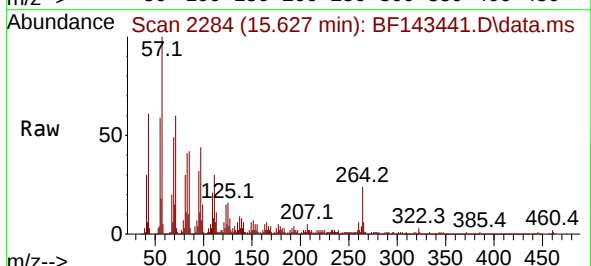
Tgt Ion:264 Resp: 122699

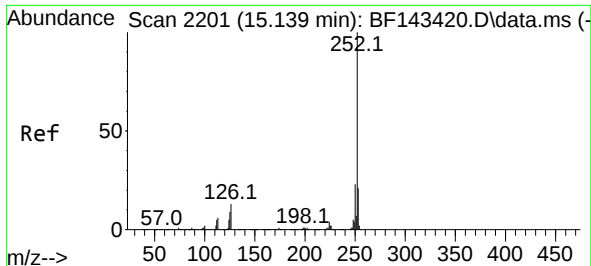
Ion Ratio Lower Upper

264 100

260 24.5 18.8 28.2

265 23.4 17.4 26.0

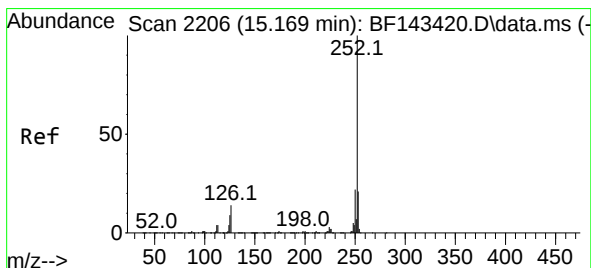
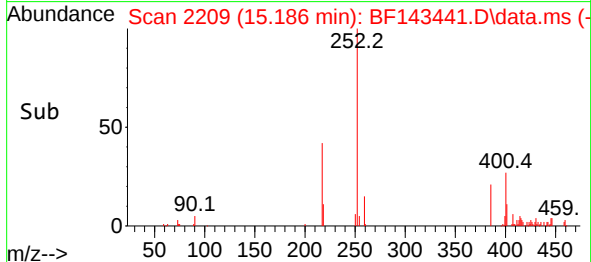
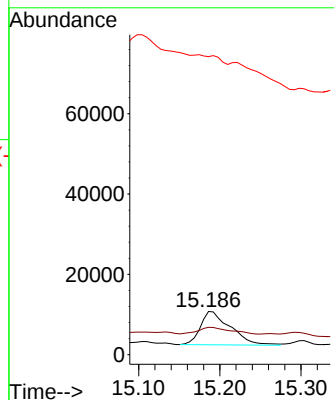
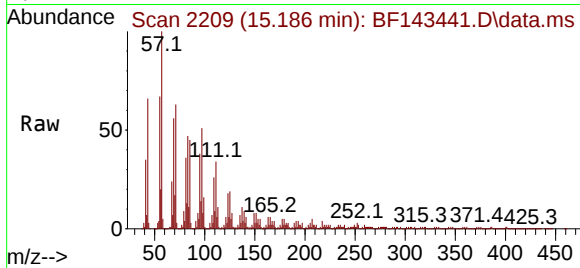




#88
Benzo(b)fluoranthene
Concen: 3.246 ng
RT: 15.186 min Scan# 21
Delta R.T. 0.047 min
Lab File: BF143441.D
Acq: 18 Aug 2025 15:05

Instrument :
BNA_F
ClientSampleId :
MOO-25-0234-0235

Tgt Ion:252 Resp: 21347
Ion Ratio Lower Upper
252 100
253 63.3 17.1 25.7#
125 688.7 7.5 11.3#



#89
Benzo(k)fluoranthene
Concen: 3.291 ng
RT: 15.186 min Scan# 2209
Delta R.T. 0.018 min
Lab File: BF143441.D
Acq: 18 Aug 2025 15:05

Tgt Ion:252 Resp: 21347
Ion Ratio Lower Upper
252 100
253 63.3 17.2 25.8#
125 688.7 7.4 11.2#

