

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF060625\
 Data File : BF142686.D
 Acq On : 07 Jun 2025 12:23
 Operator : RC/JU
 Sample : Q2195-01 5X
 Misc :
 ALS Vial : 47 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 OK-01-060325

Quant Time: Jun 09 01:05:45 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF052025.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue May 20 16:26:47 2025
 Response via : Initial Calibration

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

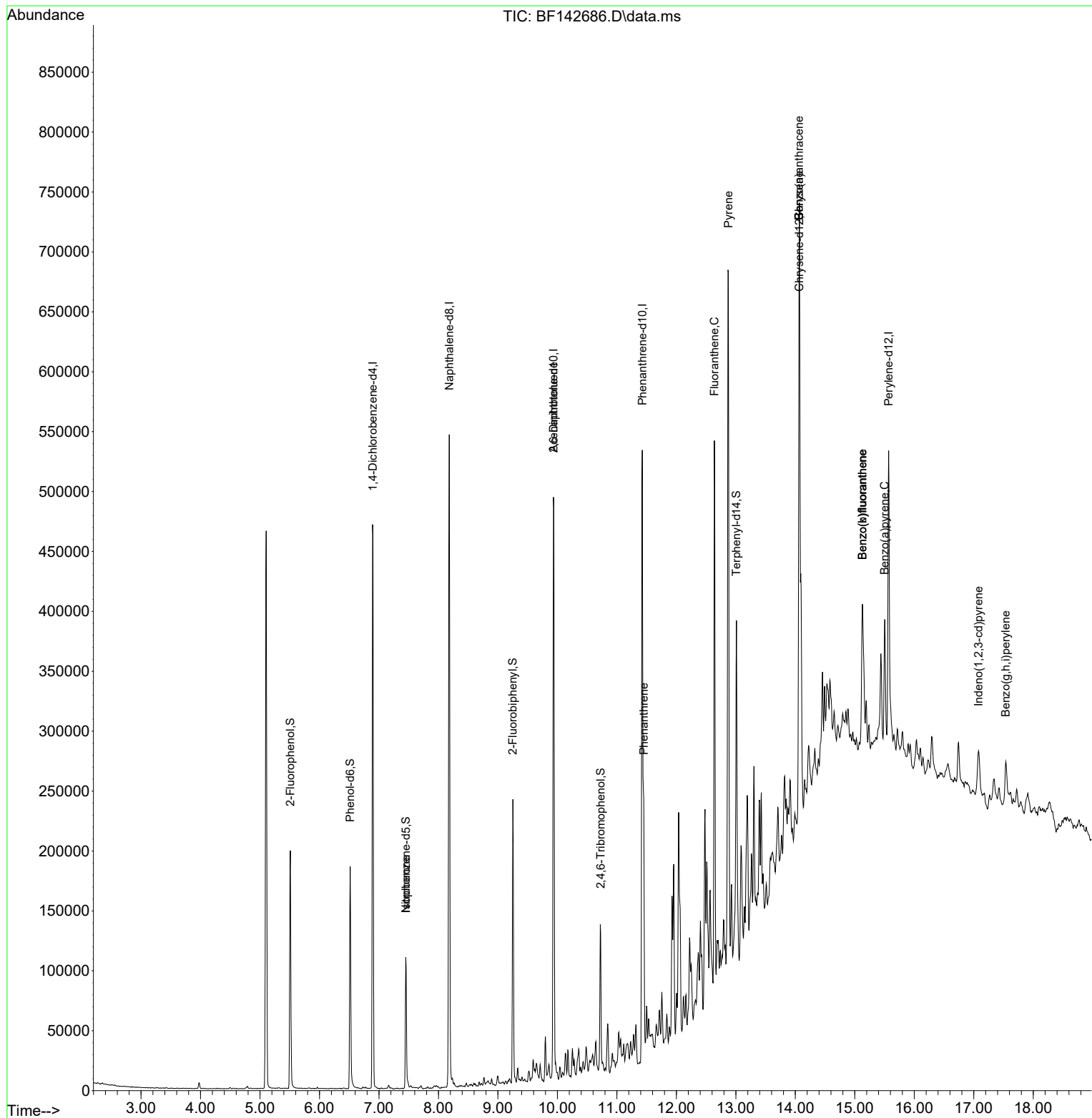
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.898	152	109295	20.000	ng	0.00
21) Naphthalene-d8	8.181	136	358830	20.000	ng	0.00
39) Acenaphthene-d10	9.933	164	152303	20.000	ng	-0.01
64) Phenanthrene-d10	11.427	188	271335	20.000	ng	0.00
76) Chrysene-d12	14.068	240	187207	20.000	ng	# 0.00
86) Perylene-d12	15.568	264	150752	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.510	112	81164	12.511	ng	0.00
7) Phenol-d6	6.516	99	90073	11.534	ng	-0.02
23) Nitrobenzene-d5	7.451	82	49224	7.480	ng	-0.02
42) 2,4,6-Tribromophenol	10.727	330	19079	11.287	ng	-0.01
45) 2-Fluorobiphenyl	9.251	172	110516	9.737	ng	-0.02
79) Terphenyl-d14	13.010	244	126490	9.233	ng	0.00
Target Compounds						
						Qvalue
25) Isophorone	7.451	82	43268	3.933	ng	# 63
51) 2,6-Dinitrotoluene	9.933	165	20106	9.270	ng	# 27
71) Phenanthrene	11.451	178	115601	7.972	ng	99
75) Fluoranthene	12.639	202	254585	18.789	ng	98
78) Pyrene	12.874	202	345678	19.794	ng	99
81) Benzo(a)anthracene	14.063	228	128952	10.315	ng	92
83) Chrysene	14.063	228	128952	11.480	ng	96
87) Indeno(1,2,3-cd)pyrene	17.080	276	30767	2.719	ng	97
88) Benzo(b)fluoranthene	15.127	252	100084	11.217	ng	# 89
89) Benzo(k)fluoranthene	15.127	252	100084	11.977	ng	# 89
90) Benzo(a)pyrene	15.504	252	63869	7.594	ng	# 91
92) Benzo(g,h,i)perylene	17.539	276	34050	3.709	ng	# 91

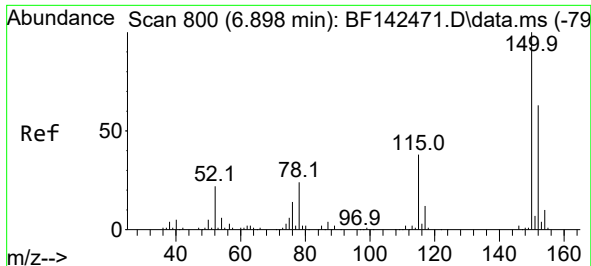
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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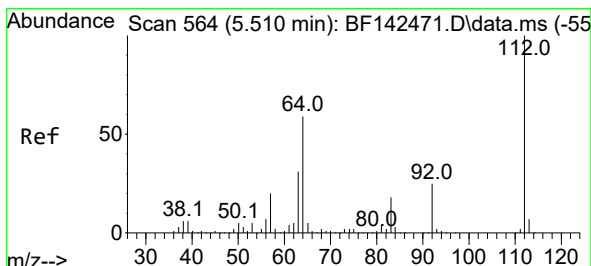
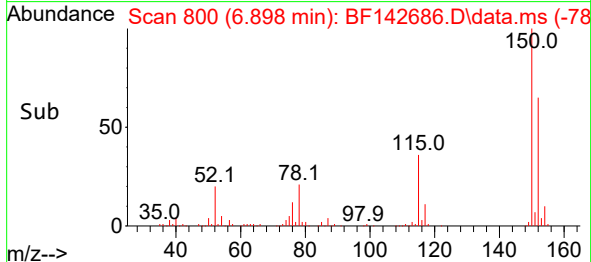
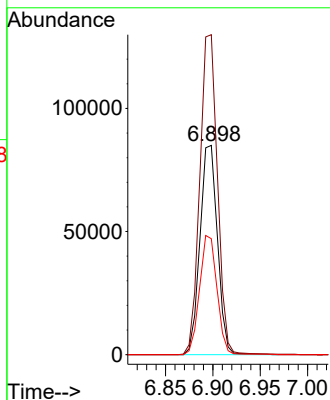
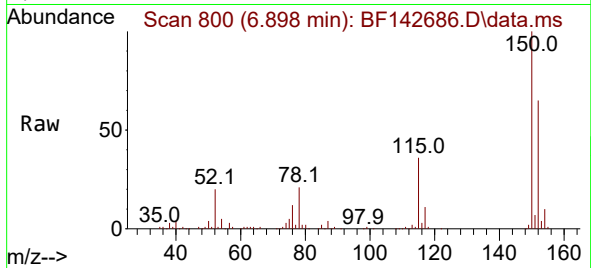




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.898 min Scan# 800
Delta R.T. -0.006 min
Lab File: BF142686.D
Acq: 07 Jun 2025 12:23

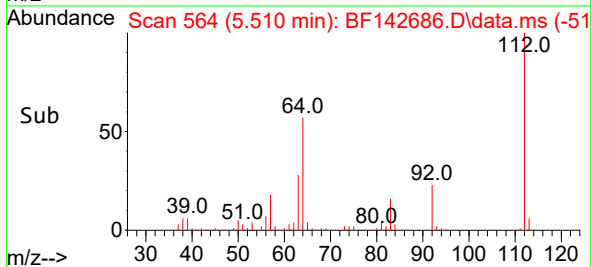
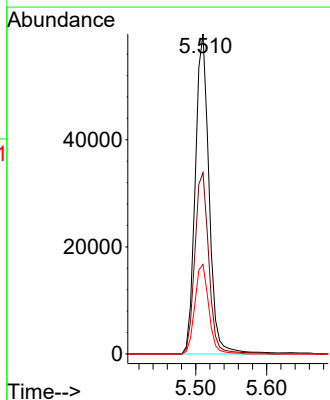
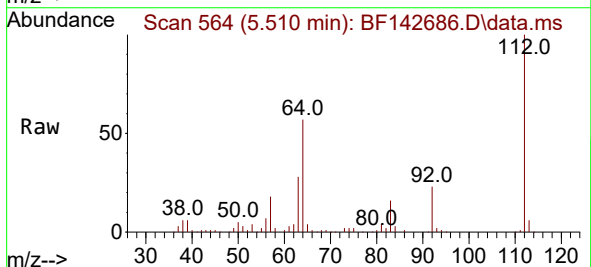
Instrument :
BNA_F
ClientSampleId :
OK-01-060325

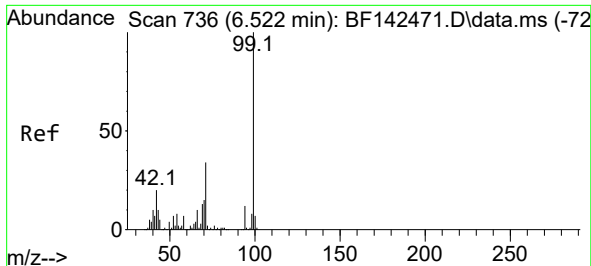
Tgt Ion:152 Resp: 109295
Ion Ratio Lower Upper
152 100
150 152.9 128.2 192.4
115 55.4 48.3 72.5



#5
2-Fluorophenol
Concen: 12.511 ng
RT: 5.510 min Scan# 564
Delta R.T. -0.006 min
Lab File: BF142686.D
Acq: 07 Jun 2025 12:23

Tgt Ion:112 Resp: 81164
Ion Ratio Lower Upper
112 100
64 56.7 47.5 71.3
63 28.0 24.9 37.3

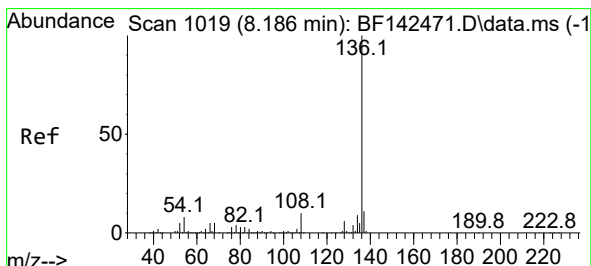
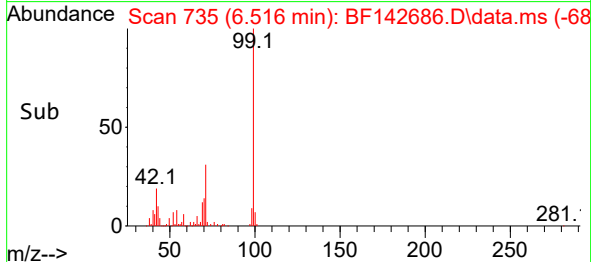
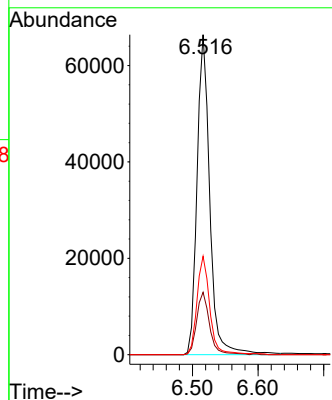
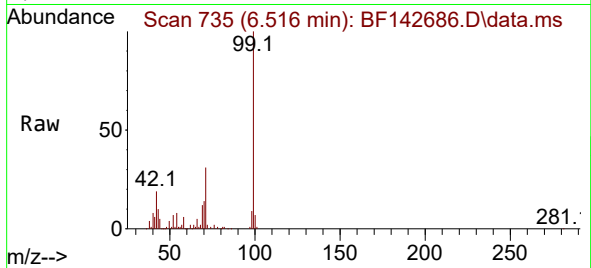




#7
Phenol-d6
Concen: 11.534 ng
RT: 6.516 min Scan# 71
Delta R.T. -0.018 min
Lab File: BF142686.D
Acq: 07 Jun 2025 12:23

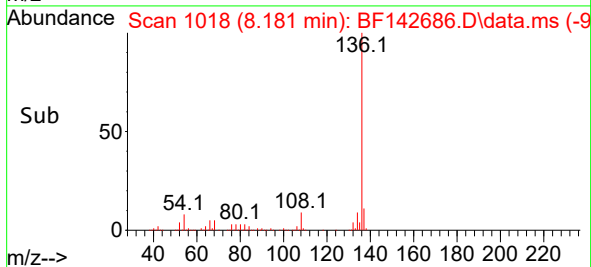
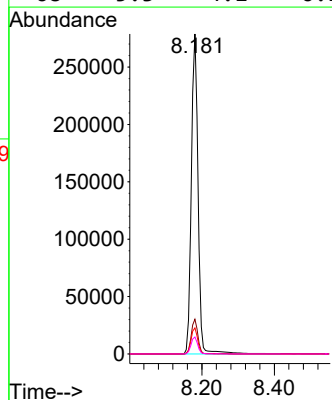
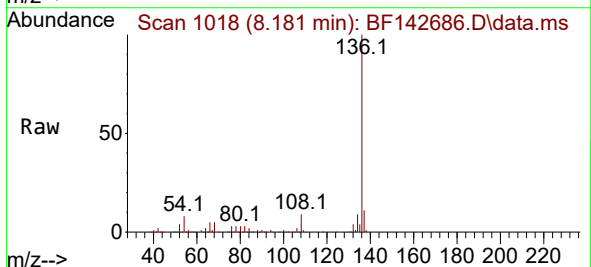
Instrument :
BNA_F
ClientSampleId :
OK-01-060325

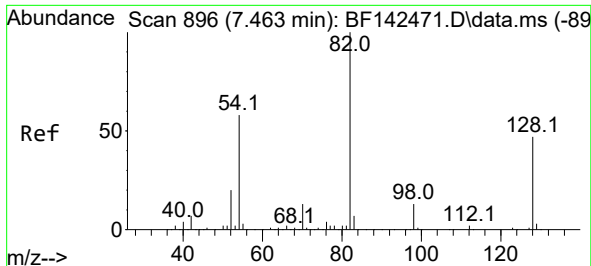
Tgt Ion: 99 Resp: 90073
Ion Ratio Lower Upper
99 100
42 19.5 16.2 24.2
71 30.7 27.3 40.9



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.181 min Scan# 1018
Delta R.T. -0.006 min
Lab File: BF142686.D
Acq: 07 Jun 2025 12:23

Tgt Ion: 136 Resp: 358830
Ion Ratio Lower Upper
136 100
137 10.8 8.6 13.0
54 8.2 6.6 10.0
68 5.3 4.1 6.1

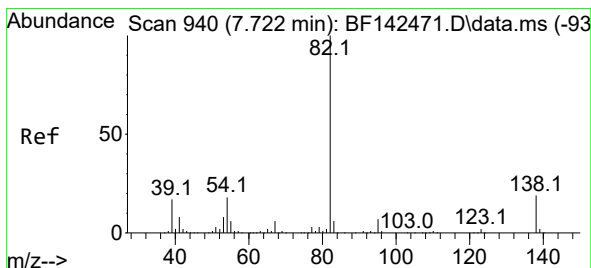
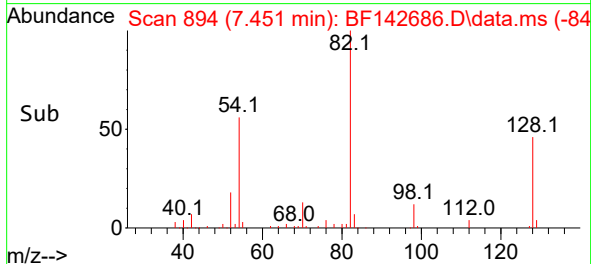
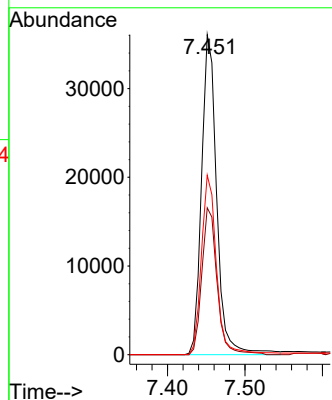
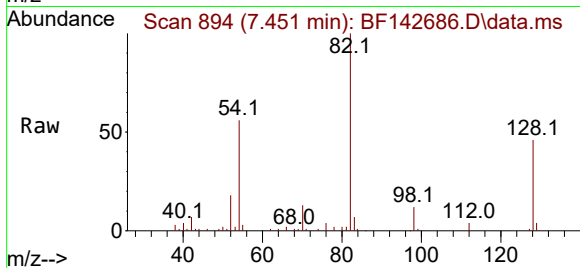




#23
Nitrobenzene-d5
Concen: 7.480 ng
RT: 7.451 min Scan# 894
Delta R.T. -0.023 min
Lab File: BF142686.D
Acq: 07 Jun 2025 12:23

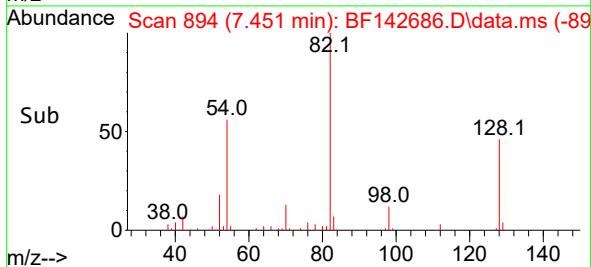
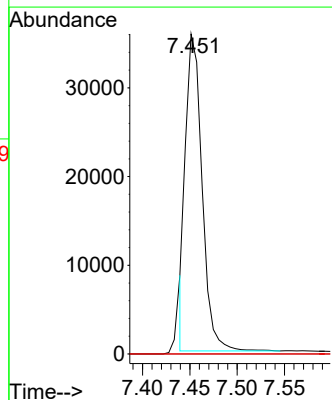
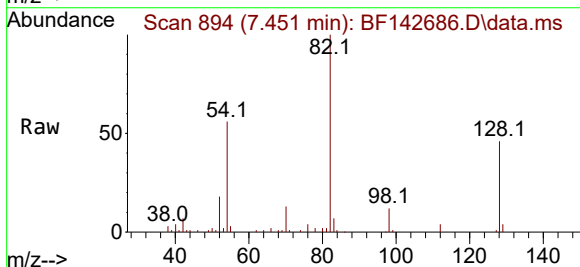
Instrument :
BNA_F
ClientSampleId :
OK-01-060325

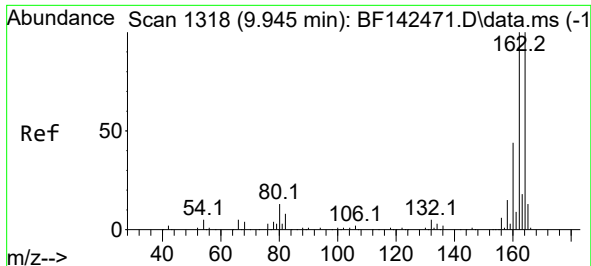
Tgt Ion: 82 Resp: 49224
Ion Ratio Lower Upper
82 100
128 45.9 37.4 56.2
54 56.1 46.6 70.0



#25
Isophorone
Concen: 3.933 ng
RT: 7.451 min Scan# 894
Delta R.T. -0.282 min
Lab File: BF142686.D
Acq: 07 Jun 2025 12:23

Tgt Ion: 82 Resp: 43268
Ion Ratio Lower Upper
82 100
95 0.0 6.0 9.0#
138 0.0 15.5 23.3#





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.933 min Scan# 11

Delta R.T. -0.012 min

Lab File: BF142686.D

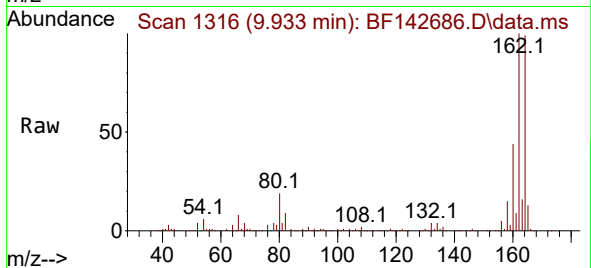
Acq: 07 Jun 2025 12:23

Instrument :

BNA_F

ClientSampleId :

OK-01-060325



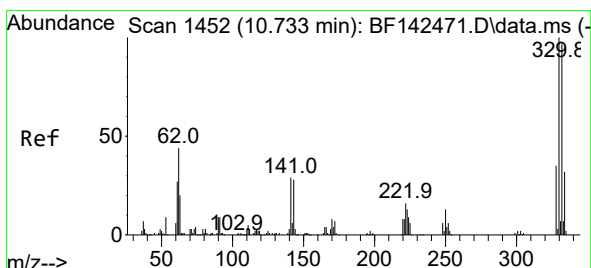
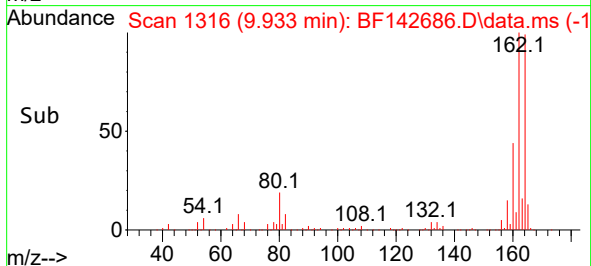
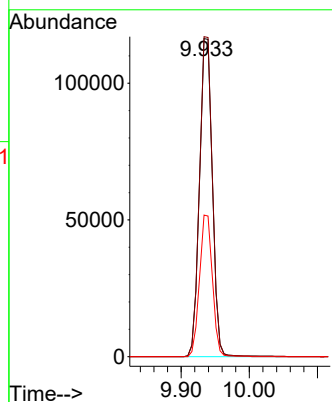
Tgt Ion:164 Resp: 152303

Ion Ratio Lower Upper

164 100

162 100.6 80.2 120.4

160 44.5 35.6 53.4



#42

2,4,6-Tribromophenol

Concen: 11.287 ng

RT: 10.727 min Scan# 1451

Delta R.T. -0.012 min

Lab File: BF142686.D

Acq: 07 Jun 2025 12:23

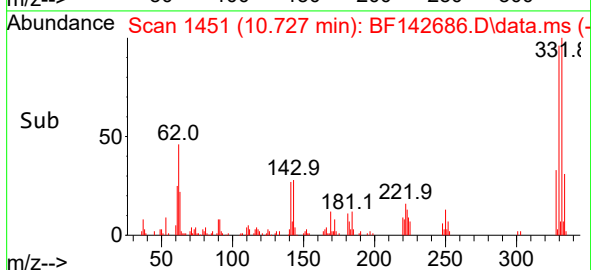
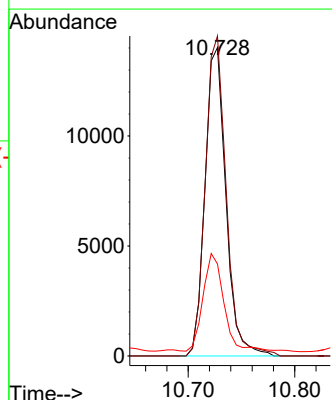
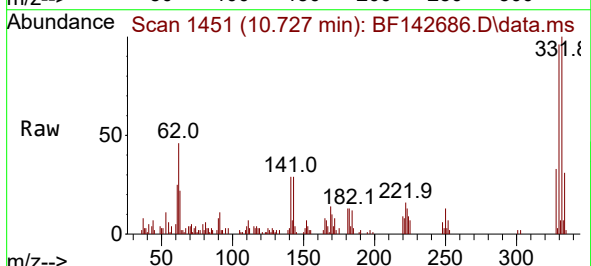
Tgt Ion:330 Resp: 19079

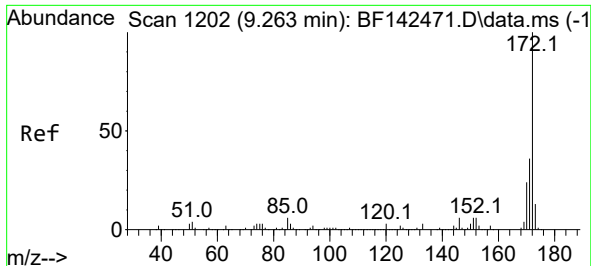
Ion Ratio Lower Upper

330 100

332 103.8 77.6 116.4

141 32.3 24.6 36.8





#45

2-Fluorobiphenyl

Concen: 9.737 ng

RT: 9.251 min Scan# 11

Delta R.T. -0.018 min

Lab File: BF142686.D

Acq: 07 Jun 2025 12:23

Instrument :

BNA_F

ClientSampleId :

OK-01-060325

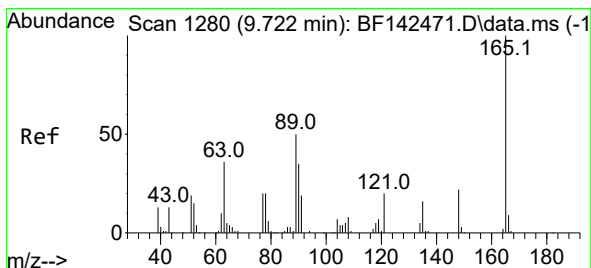
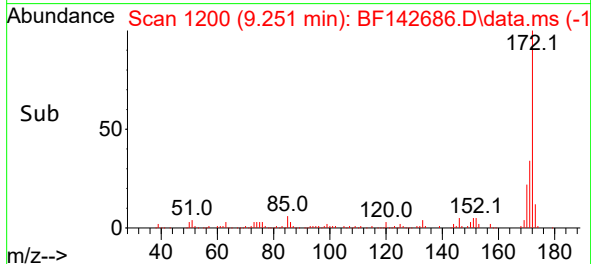
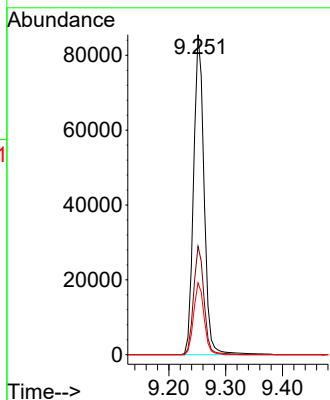
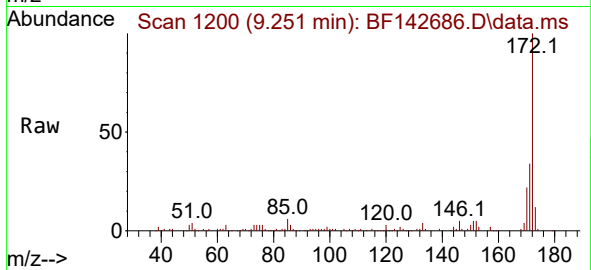
Tgt Ion:172 Resp: 110516

Ion Ratio Lower Upper

172 100

171 33.8 28.6 42.8

170 22.5 18.9 28.3



#51

2,6-Dinitrotoluene

Concen: 9.270 ng

RT: 9.933 min Scan# 1316

Delta R.T. 0.206 min

Lab File: BF142686.D

Acq: 07 Jun 2025 12:23

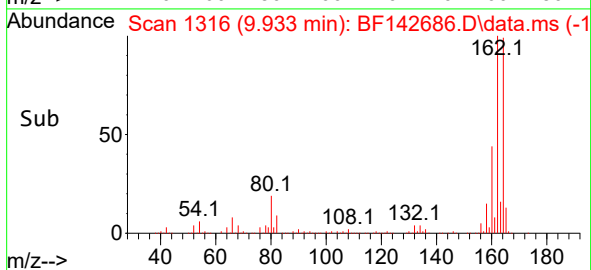
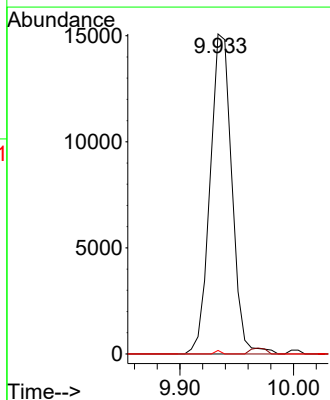
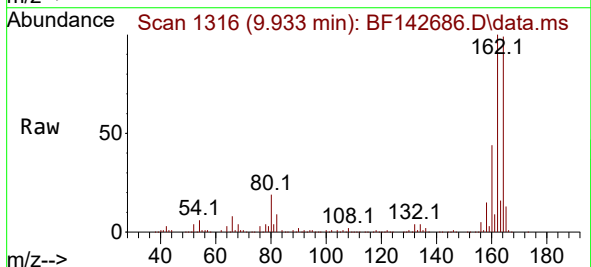
Tgt Ion:165 Resp: 20106

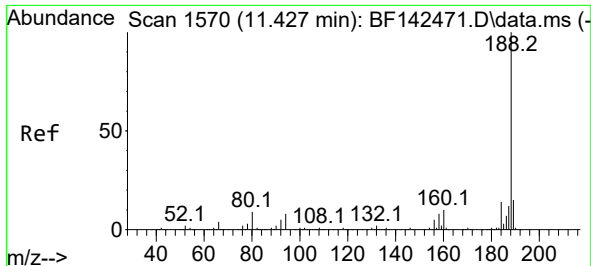
Ion Ratio Lower Upper

165 100

63 0.0 42.9 64.3#

89 1.1 40.2 60.4#

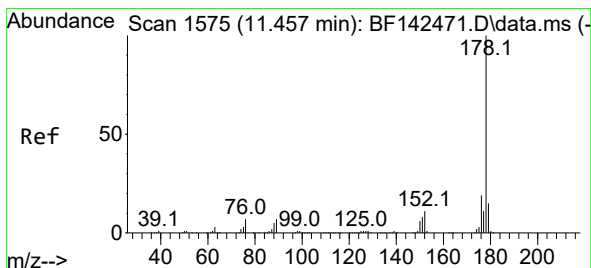
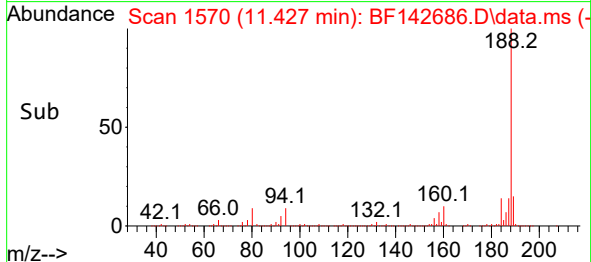
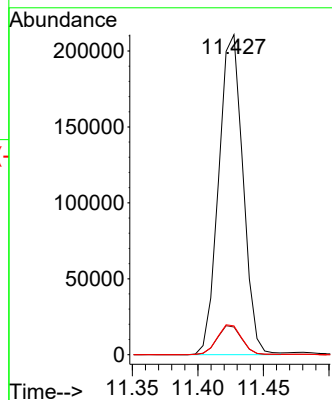
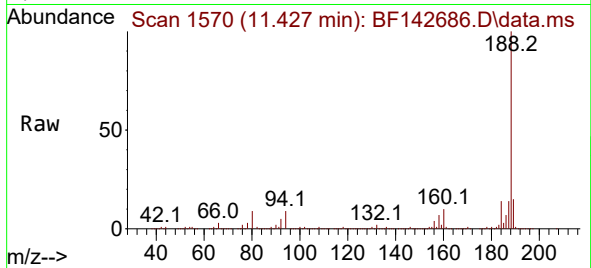




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.427 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF142686.D
Acq: 07 Jun 2025 12:23

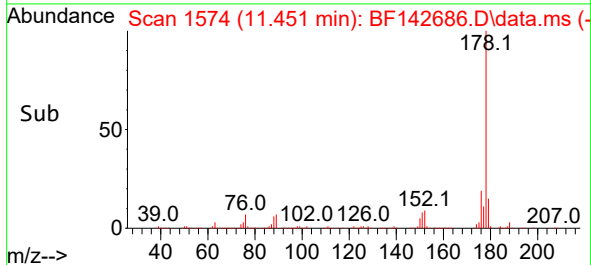
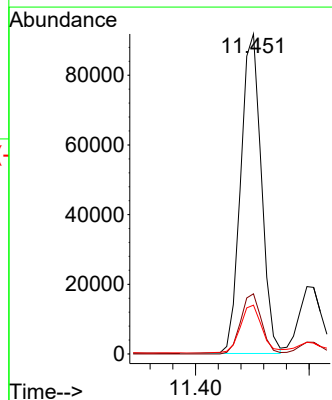
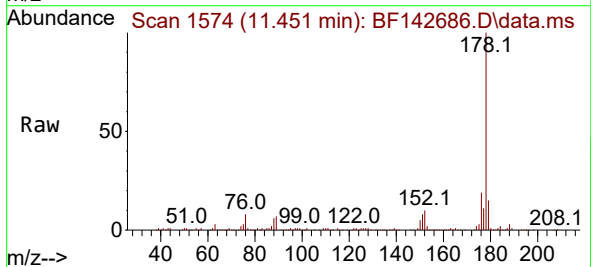
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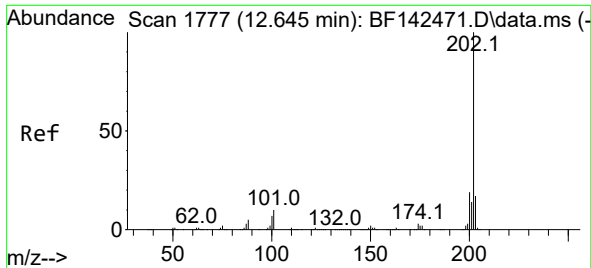
Tgt Ion:188 Resp: 271335
Ion Ratio Lower Upper
188 100
94 8.7 6.6 10.0
80 9.0 7.4 11.0



#71
Phenanthrene
Concen: 7.972 ng
RT: 11.451 min Scan# 1574
Delta R.T. -0.006 min
Lab File: BF142686.D
Acq: 07 Jun 2025 12:23

Tgt Ion:178 Resp: 115601
Ion Ratio Lower Upper
178 100
176 18.8 15.4 23.0
179 15.3 12.3 18.5

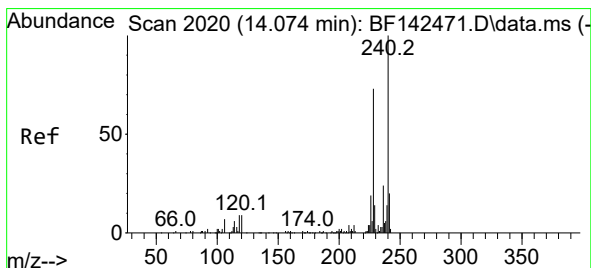
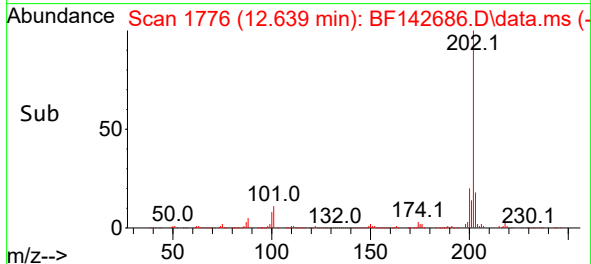
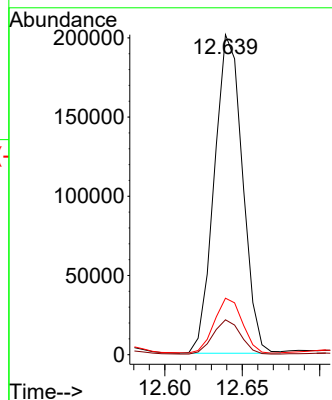
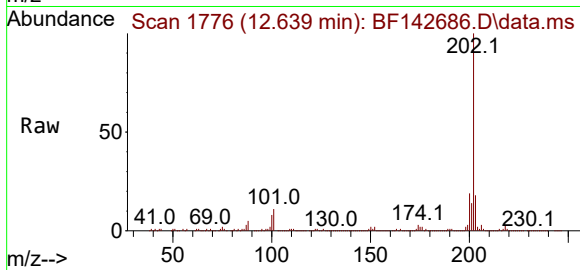




#75
Fluoranthene
Concen: 18.789 ng
RT: 12.639 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF142686.D
Acq: 07 Jun 2025 12:23

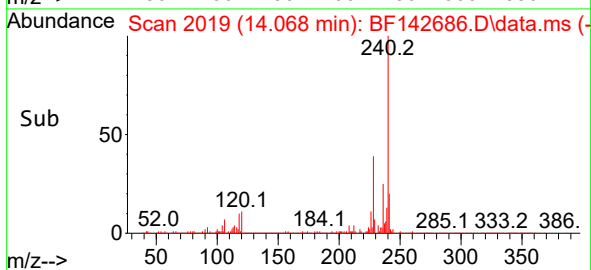
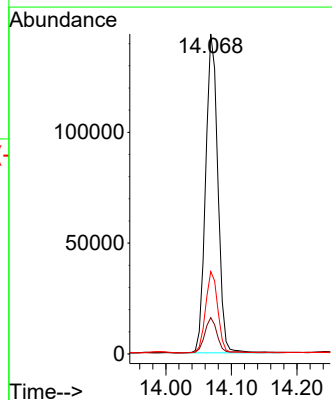
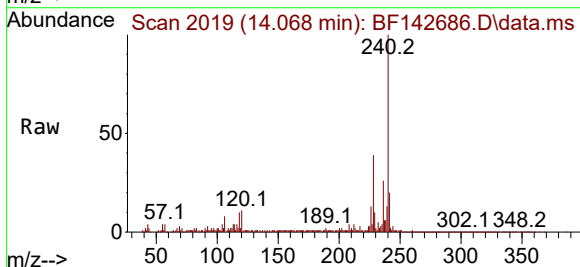
Instrument :
BNA_F
ClientSampleId :
OK-01-060325

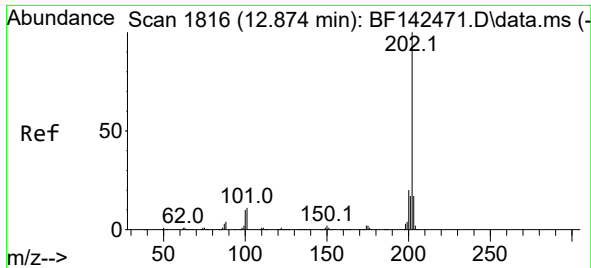
Tgt Ion:202 Resp: 254585
Ion Ratio Lower Upper
202 100
101 10.9 0.0 29.6
203 17.7 0.0 37.2



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.068 min Scan# 2019
Delta R.T. -0.006 min
Lab File: BF142686.D
Acq: 07 Jun 2025 12:23

Tgt Ion:240 Resp: 187207
Ion Ratio Lower Upper
240 100
120 11.4 7.5 11.3#
236 25.7 19.6 29.4

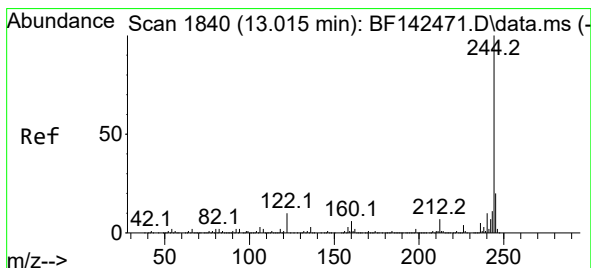
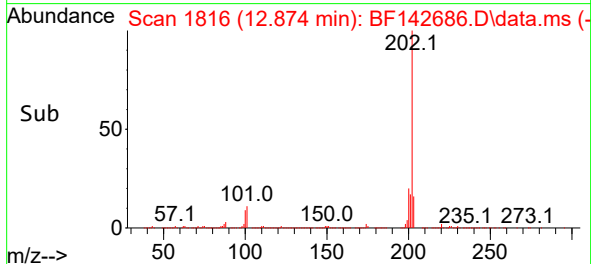
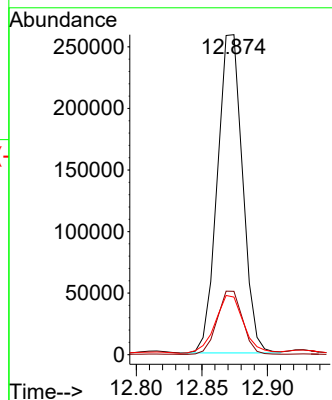
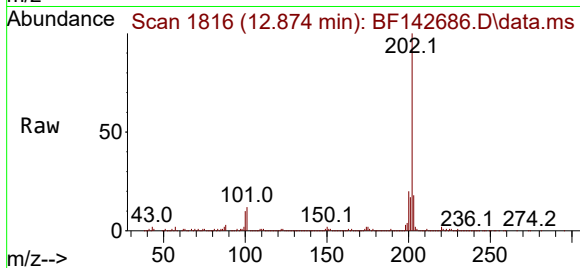




#78
 Pyrene
 Concen: 19.794 ng
 RT: 12.874 min Scan# 1816
 Delta R.T. 0.000 min
 Lab File: BF142686.D
 Acq: 07 Jun 2025 12:23

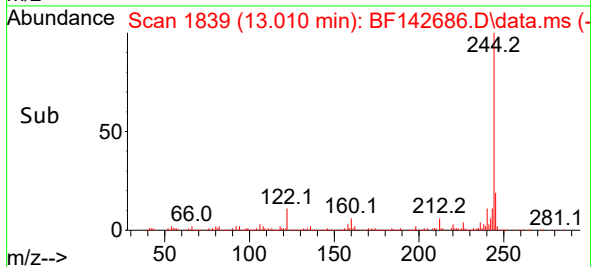
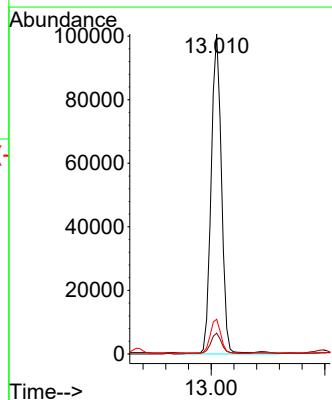
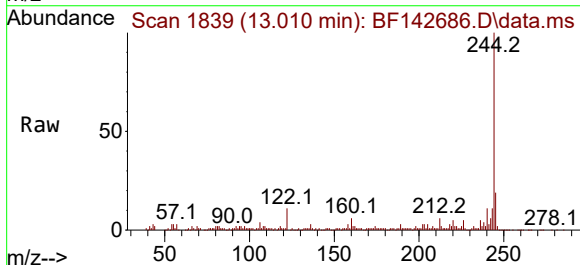
Instrument :
 BNA_F
 ClientSampleId :
 OK-01-060325

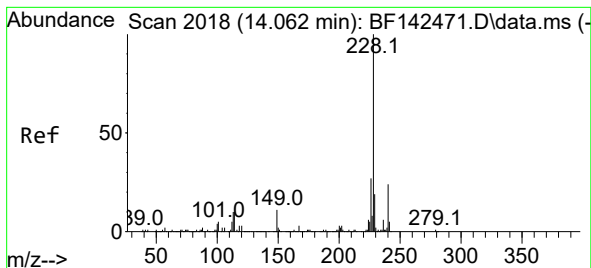
Tgt Ion:202 Resp: 345678
 Ion Ratio Lower Upper
 202 100
 200 19.8 16.1 24.1
 203 18.0 13.9 20.9



#79
 Terphenyl-d14
 Concen: 9.233 ng
 RT: 13.010 min Scan# 1839
 Delta R.T. -0.006 min
 Lab File: BF142686.D
 Acq: 07 Jun 2025 12:23

Tgt Ion:244 Resp: 126490
 Ion Ratio Lower Upper
 244 100
 212 6.5 5.3 7.9
 122 10.8 8.2 12.2





#81

Benzo(a)anthracene

Concen: 10.315 ng

RT: 14.063 min Scan# 2018

Delta R.T. 0.000 min

Lab File: BF142686.D

Acq: 07 Jun 2025 12:23

Instrument :

BNA_F

ClientSampleId :

OK-01-060325

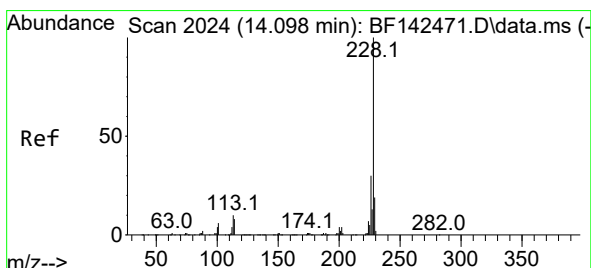
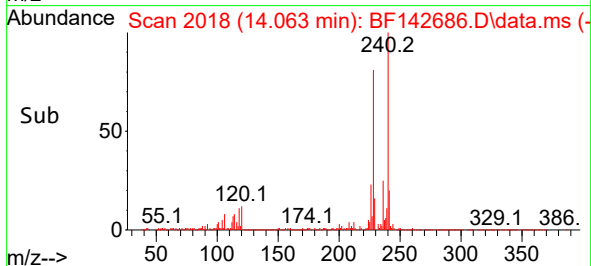
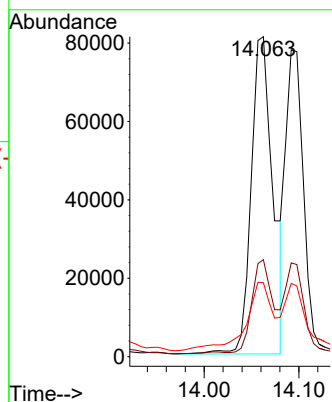
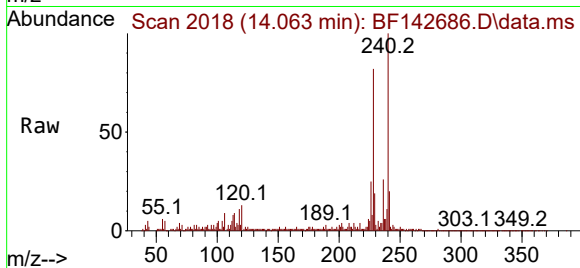
Tgt Ion:228 Resp: 128952

Ion Ratio Lower Upper

228 100

226 30.3 21.2 31.8

229 23.1 15.5 23.3



#83

Chrysene

Concen: 11.480 ng

RT: 14.063 min Scan# 2018

Delta R.T. -0.041 min

Lab File: BF142686.D

Acq: 07 Jun 2025 12:23

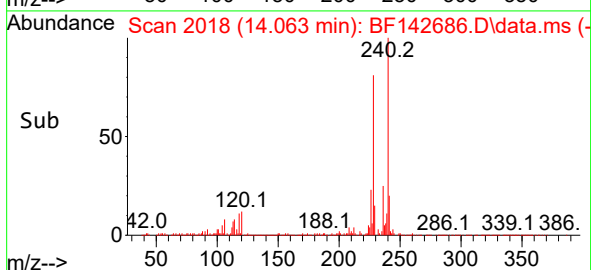
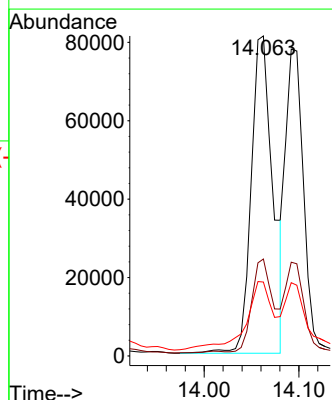
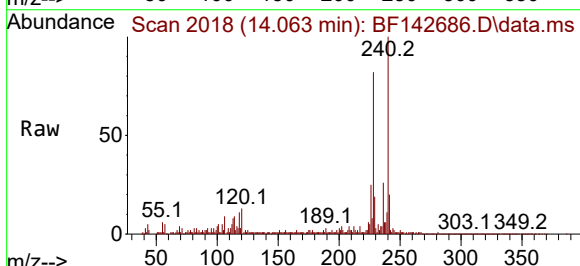
Tgt Ion:228 Resp: 128952

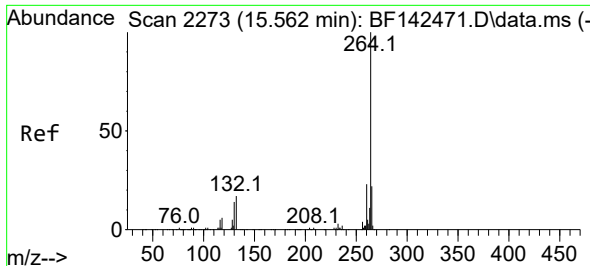
Ion Ratio Lower Upper

228 100

226 30.3 23.8 35.6

229 23.1 15.4 23.2

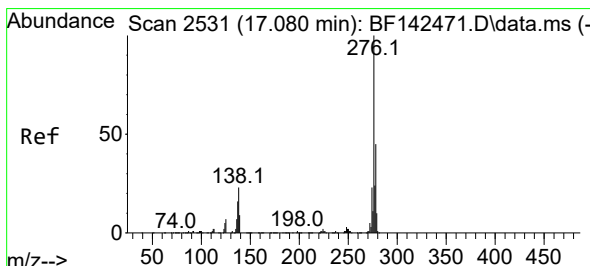
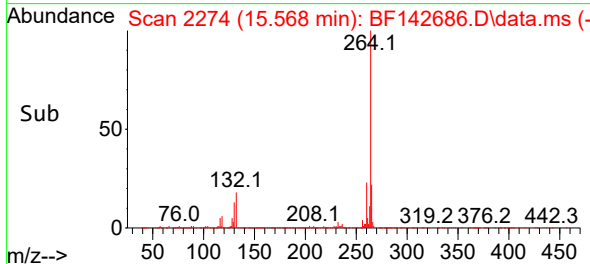
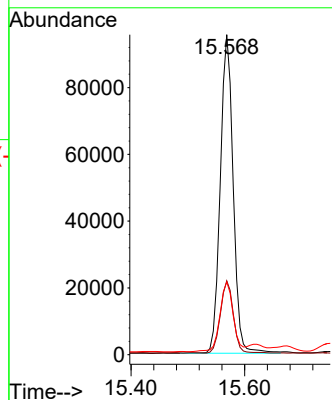
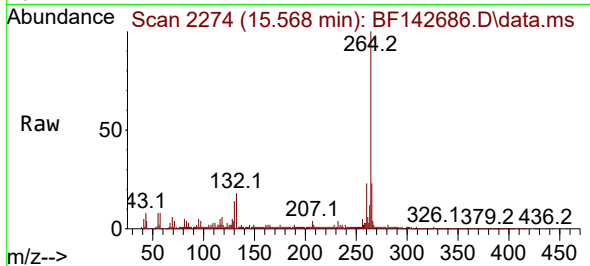




#86
Perylene-d12
Concen: 20.000 ng
RT: 15.568 min Scan# 21
Delta R.T. 0.000 min
Lab File: BF142686.D
Acq: 07 Jun 2025 12:23

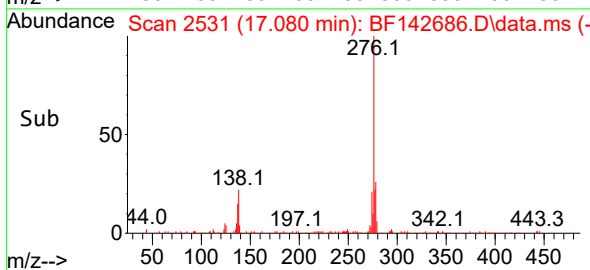
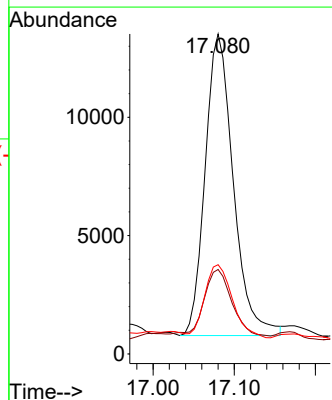
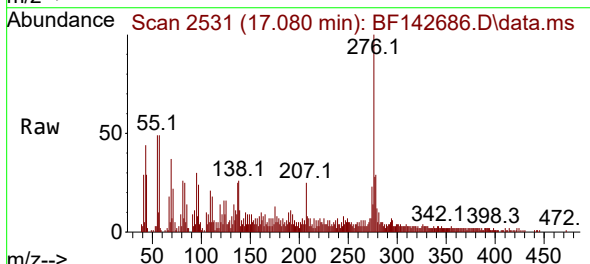
Instrument :
BNA_F
ClientSampleId :
OK-01-060325

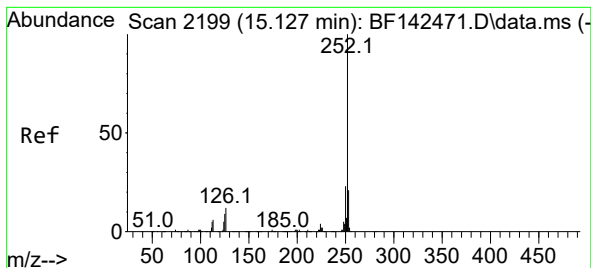
Tgt Ion:264 Resp: 150752
Ion Ratio Lower Upper
264 100
260 23.1 18.6 28.0
265 22.7 17.7 26.5



#87
Indeno(1,2,3-cd)pyrene
Concen: 2.719 ng
RT: 17.080 min Scan# 2531
Delta R.T. -0.012 min
Lab File: BF142686.D
Acq: 07 Jun 2025 12:23

Tgt Ion:276 Resp: 30767
Ion Ratio Lower Upper
276 100
138 23.1 19.9 29.9
277 23.9 20.2 30.2





#88

Benzo(b)fluoranthene

Concen: 11.217 ng

RT: 15.127 min Scan# 2199

Delta R.T. 0.000 min

Lab File: BF142686.D

Acq: 07 Jun 2025 12:23

Instrument :

BNA_F

ClientSampleId :

OK-01-060325

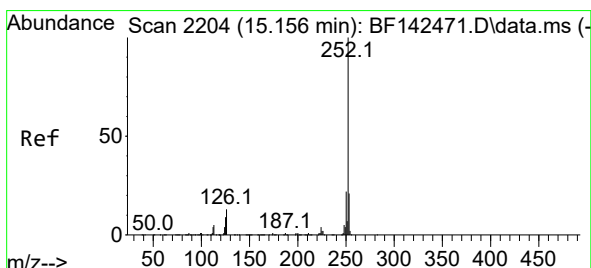
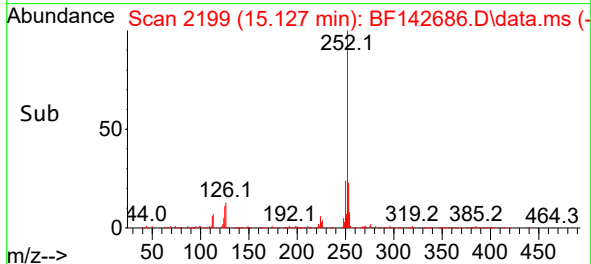
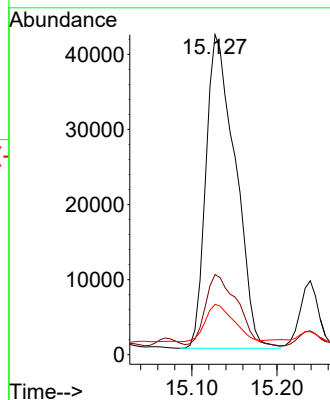
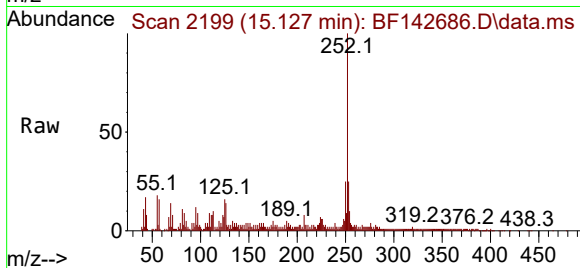
Tgt Ion:252 Resp: 100084

Ion Ratio Lower Upper

252 100

253 25.1 17.0 25.4

125 15.8 7.4 11.0#



#89

Benzo(k)fluoranthene

Concen: 11.977 ng

RT: 15.127 min Scan# 2199

Delta R.T. -0.035 min

Lab File: BF142686.D

Acq: 07 Jun 2025 12:23

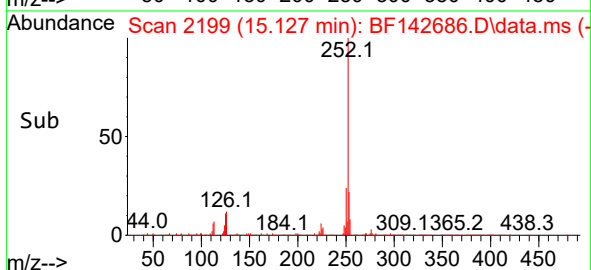
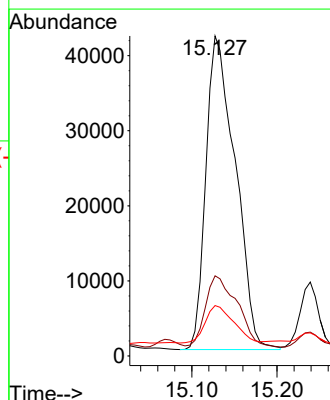
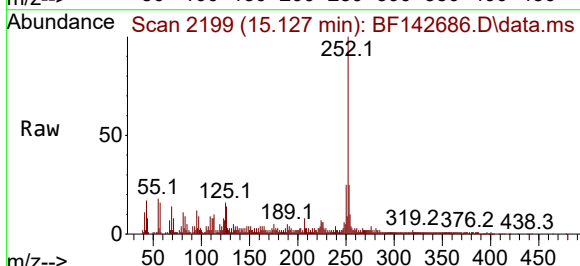
Tgt Ion:252 Resp: 100084

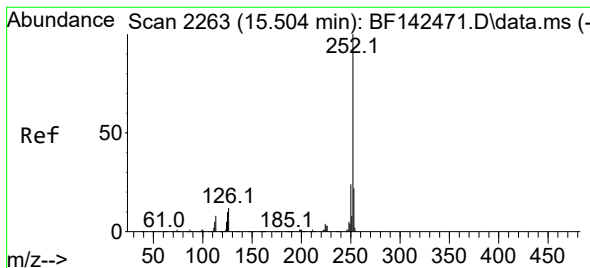
Ion Ratio Lower Upper

252 100

253 25.1 17.0 25.4

125 15.8 7.3 10.9#





#90

Benzo(a)pyrene

Concen: 7.594 ng

RT: 15.504 min Scan# 21

Delta R.T. -0.006 min

Lab File: BF142686.D

Acq: 07 Jun 2025 12:23

Instrument :

BNA_F

ClientSampleId :

OK-01-060325

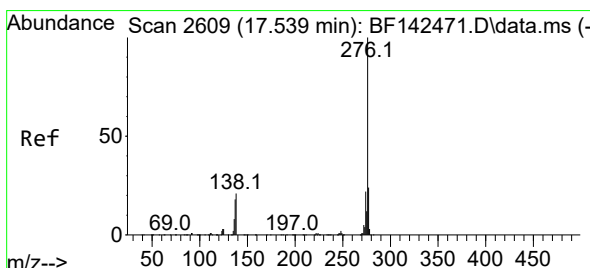
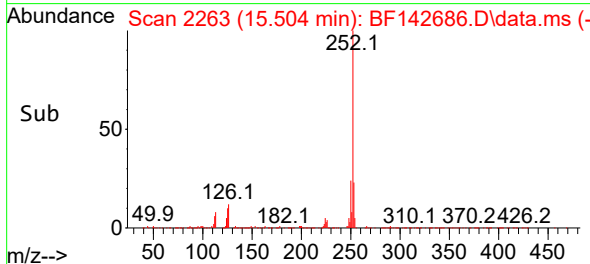
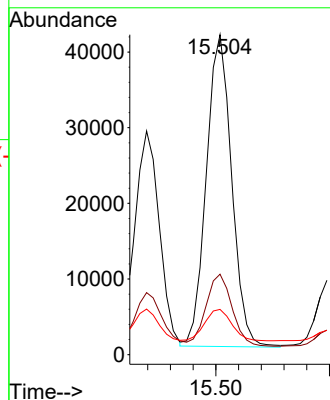
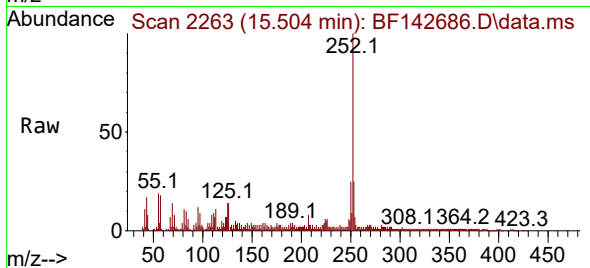
Tgt Ion:252 Resp: 63869

Ion Ratio Lower Upper

252 100

253 25.1 17.4 26.0

125 14.2 7.9 11.9#



#92

Benzo(g,h,i)perylene

Concen: 3.709 ng

RT: 17.539 min Scan# 2609

Delta R.T. -0.018 min

Lab File: BF142686.D

Acq: 07 Jun 2025 12:23

Tgt Ion:276 Resp: 34050

Ion Ratio Lower Upper

276 100

277 27.9 19.2 28.8

138 25.8 16.8 25.2#

