

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF062425\
 Data File : BF142825.D
 Acq On : 24 Jun 2025 18:03
 Operator : RC/JU
 Sample : Q2393-07
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 PARK AVE -4

Quant Time: Jun 25 01:29:08 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF061925.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Jun 24 05:28:21 2025
 Response via : Initial Calibration

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

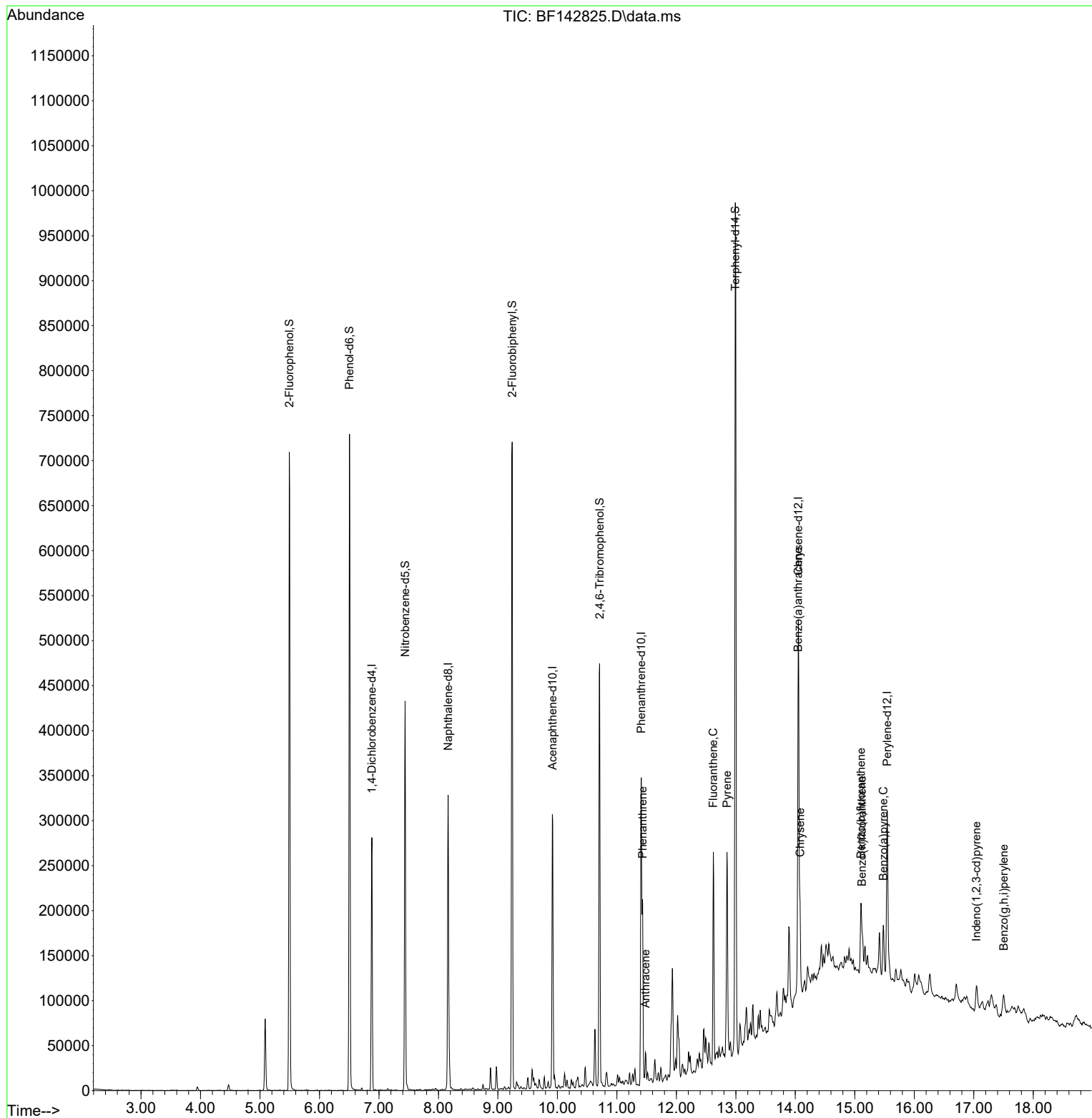
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.881	152	62168	20.000	ng	0.00
21) Naphthalene-d8	8.163	136	204115	20.000	ng	0.00
39) Acenaphthene-d10	9.916	164	93623	20.000	ng	0.00
64) Phenanthrene-d10	11.410	188	176025	20.000	ng	0.00
76) Chrysene-d12	14.051	240	164289	20.000	ng	0.00
86) Perylene-d12	15.545	264	108830	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.493	112	274425	73.494	ng	0.00
7) Phenol-d6	6.504	99	322389	73.181	ng	0.00
23) Nitrobenzene-d5	7.440	82	176503	47.431	ng	0.00
42) 2,4,6-Tribromophenol	10.710	330	79439	82.453	ng	0.00
45) 2-Fluorobiphenyl	9.240	172	330689	46.401	ng	0.00
79) Terphenyl-d14	12.992	244	454273	38.205	ng	0.00
Target Compounds						Qvalue
71) Phenanthrene	11.433	178	109101	11.442	ng	99
72) Anthracene	11.481	178	22143	2.264	ng	95
75) Fluoranthene	12.622	202	130199	14.387	ng	100
78) Pyrene	12.851	202	132593	8.610	ng	98
81) Benzo(a)anthracene	14.045	228	67610	6.100	ng	# 94
83) Chrysene	14.080	228	52805	5.339	ng	# 95
87) Indeno(1,2,3-cd)pyrene	17.045	276	20448	2.467	ng	95
88) Benzo(b)fluoranthene	15.104	252	47823m	7.594	ng	
89) Benzo(k)fluoranthene	15.121	252	17777m	3.017	ng	
90) Benzo(a)pyrene	15.480	252	35069	5.764	ng	# 94
92) Benzo(g,h,i)perylene	17.504	276	20296	3.022	ng	96

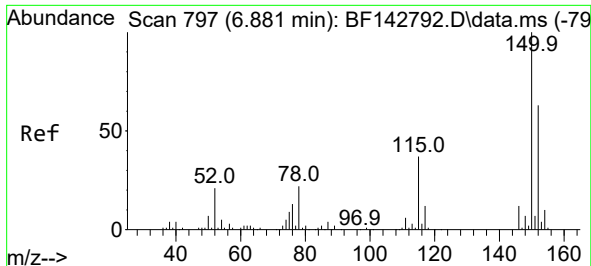
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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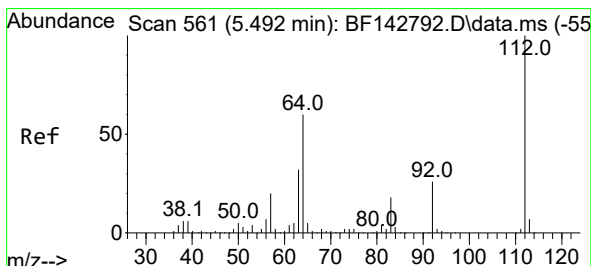
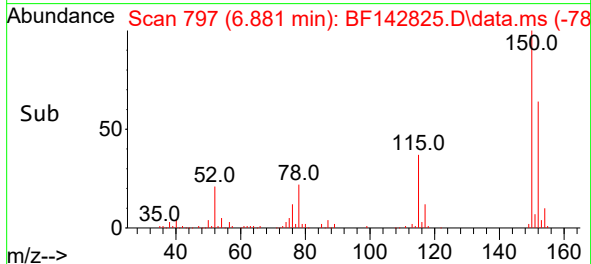
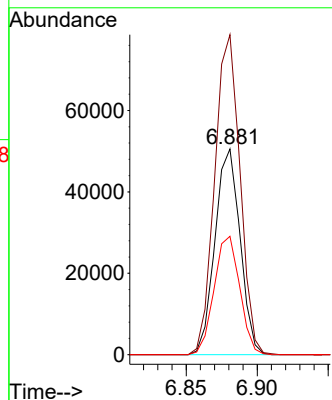
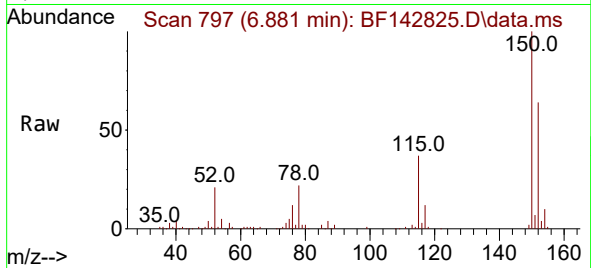




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.881 min Scan# 797
Delta R.T. -0.000 min
Lab File: BF142825.D
Acq: 24 Jun 2025 18:03

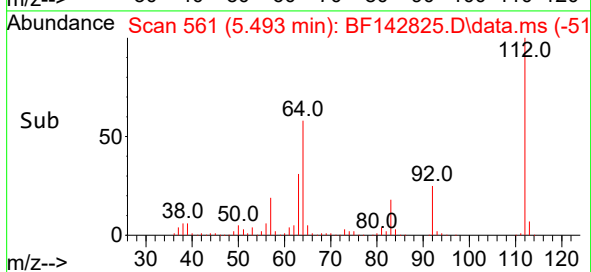
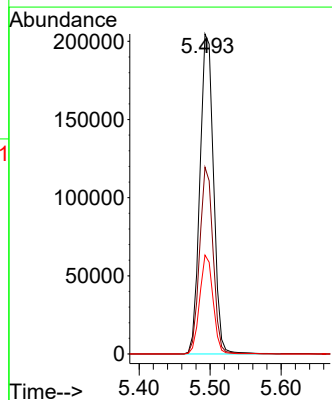
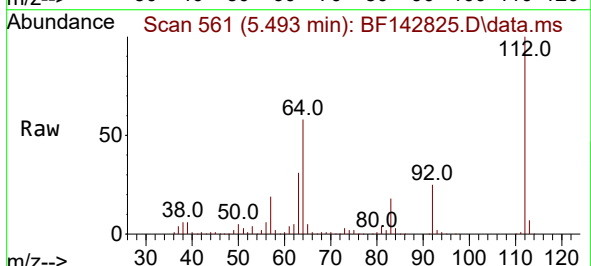
Instrument :
BNA_F
ClientSampleId :
PARK AVE -4

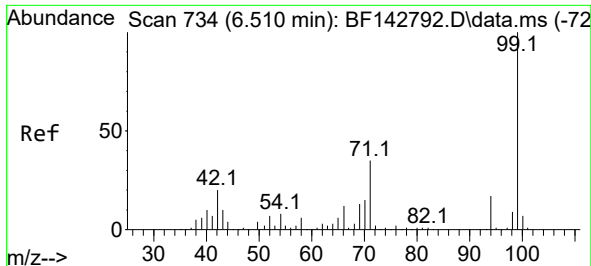
Tgt Ion:152 Resp: 62168
Ion Ratio Lower Upper
152 100
150 155.5 127.2 190.8
115 57.5 46.6 69.8



#5
2-Fluorophenol
Concen: 73.494 ng
RT: 5.493 min Scan# 561
Delta R.T. 0.001 min
Lab File: BF142825.D
Acq: 24 Jun 2025 18:03

Tgt Ion:112 Resp: 274425
Ion Ratio Lower Upper
112 100
64 58.4 48.2 72.2
63 30.9 25.7 38.5

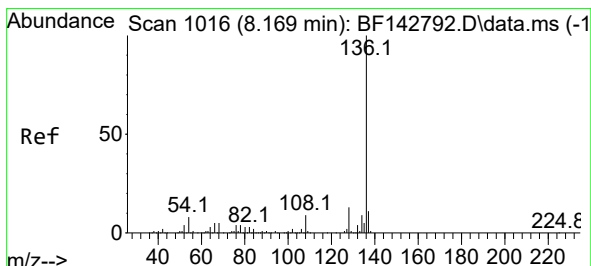
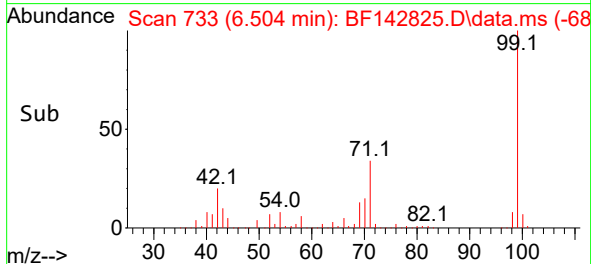
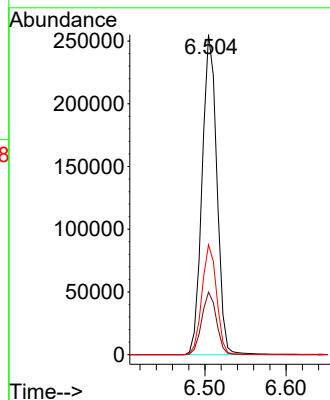
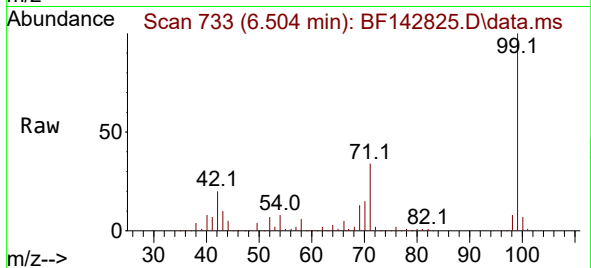




#7
Phenol-d6
Concen: 73.181 ng
RT: 6.504 min Scan# 71
Delta R.T. -0.006 min
Lab File: BF142825.D
Acq: 24 Jun 2025 18:03

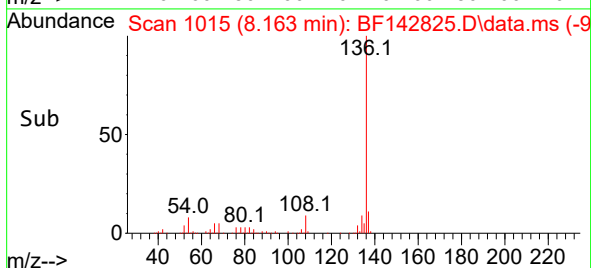
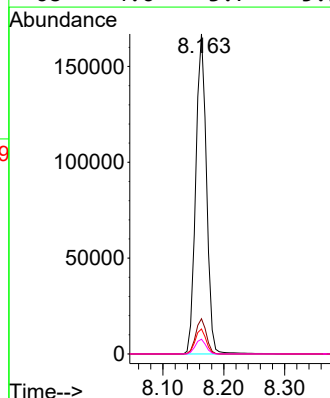
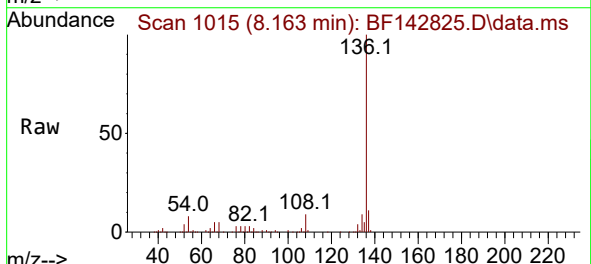
Instrument :
BNA_F
ClientSampleId :
PARK AVE -4

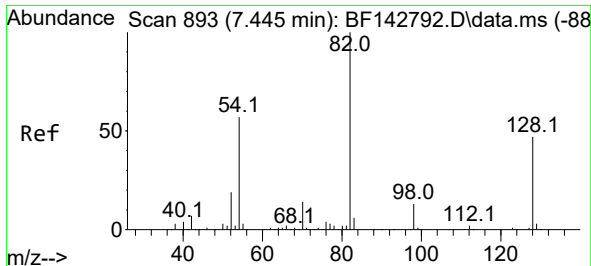
Tgt Ion: 99 Resp: 322389
Ion Ratio Lower Upper
99 100
42 19.5 15.9 23.9
71 34.3 27.8 41.8



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.163 min Scan# 1015
Delta R.T. -0.006 min
Lab File: BF142825.D
Acq: 24 Jun 2025 18:03

Tgt Ion: 136 Resp: 204115
Ion Ratio Lower Upper
136 100
137 11.0 8.4 12.6
54 7.8 6.3 9.5
68 4.6 3.7 5.5





#23

Nitrobenzene-d5

Concen: 47.431 ng

RT: 7.440 min Scan# 89

Delta R.T. -0.005 min

Lab File: BF142825.D

Acq: 24 Jun 2025 18:03

Instrument :

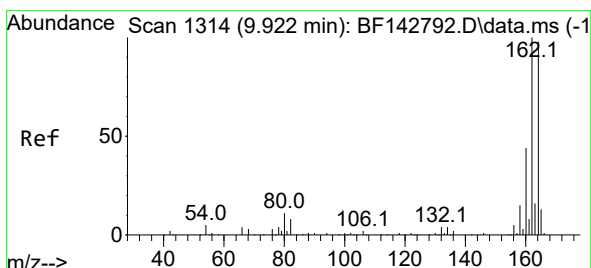
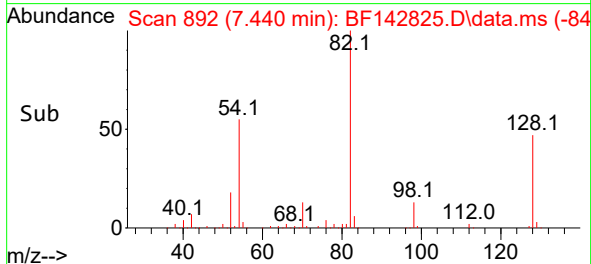
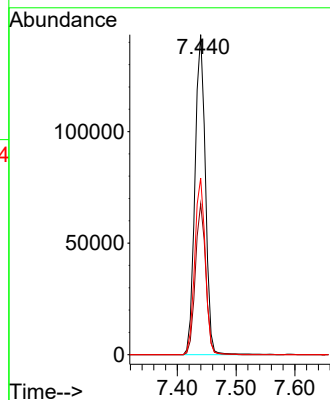
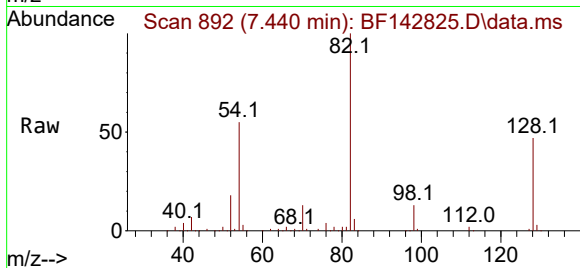
BNA_F

ClientSampleId :

PARK AVE -4

Tgt Ion: 82 Resp: 176503

Ion	Ratio	Lower	Upper
82	100		
128	47.1	37.7	56.5
54	55.2	45.7	68.5



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.916 min Scan# 1313

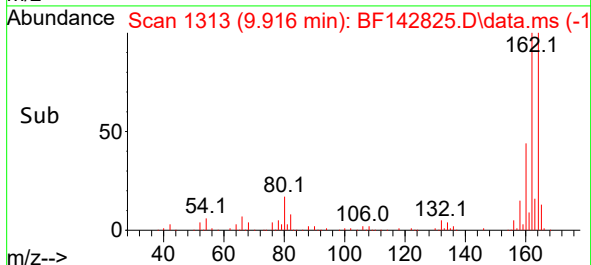
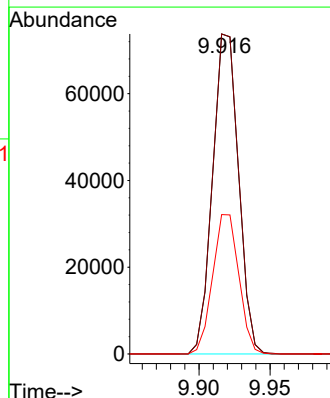
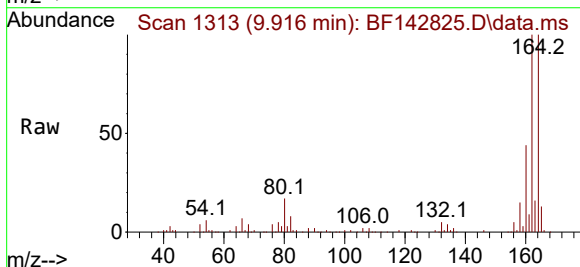
Delta R.T. -0.006 min

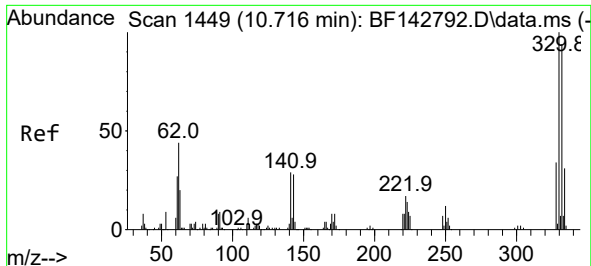
Lab File: BF142825.D

Acq: 24 Jun 2025 18:03

Tgt Ion:164 Resp: 93623

Ion	Ratio	Lower	Upper
164	100		
162	100.0	81.8	122.8
160	43.6	36.0	54.0

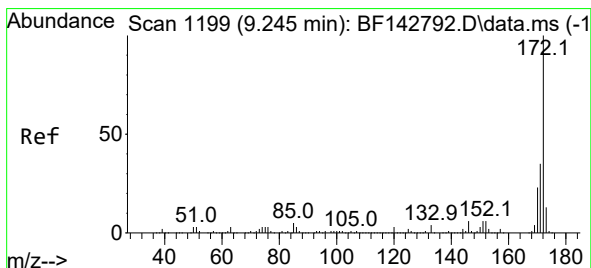
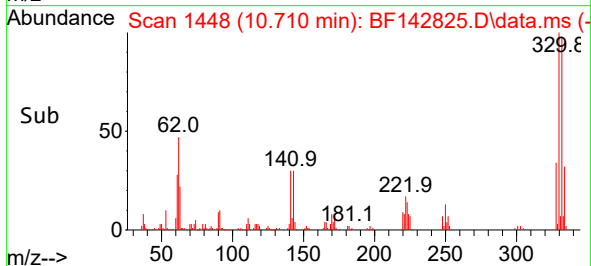
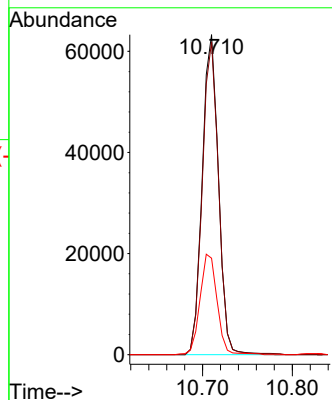
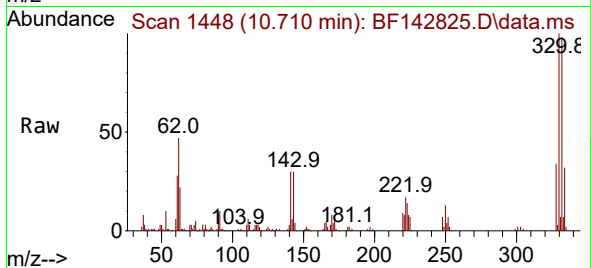




#42
2,4,6-Tribromophenol
Concen: 82.453 ng
RT: 10.710 min Scan# 1449
Delta R.T. -0.006 min
Lab File: BF142825.D
Acq: 24 Jun 2025 18:03

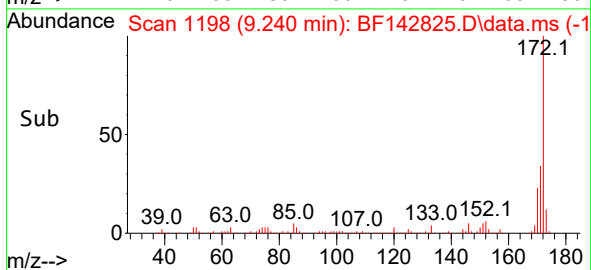
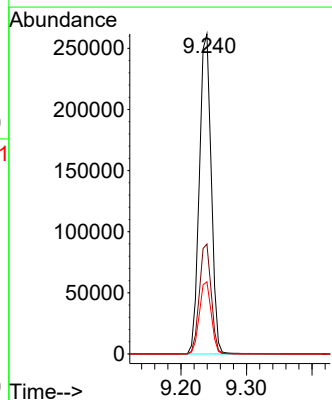
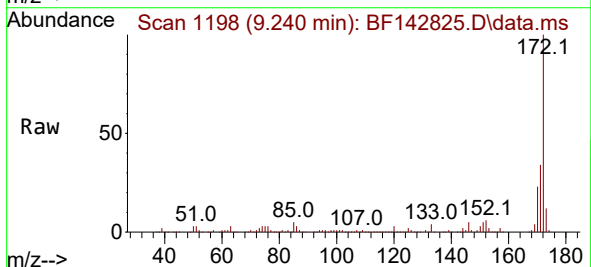
Instrument :
BNA_F
ClientSampleId :
PARK AVE -4

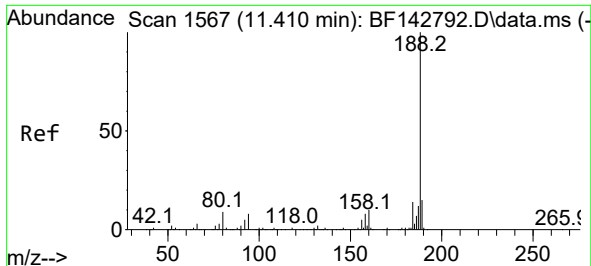
Tgt Ion: 330 Resp: 79439
Ion Ratio Lower Upper
330 100
332 97.9 75.0 112.6
141 33.1 25.3 37.9



#45
2-Fluorobiphenyl
Concen: 46.401 ng
RT: 9.240 min Scan# 1198
Delta R.T. -0.005 min
Lab File: BF142825.D
Acq: 24 Jun 2025 18:03

Tgt Ion: 172 Resp: 330689
Ion Ratio Lower Upper
172 100
171 34.3 28.2 42.4
170 22.5 18.5 27.7

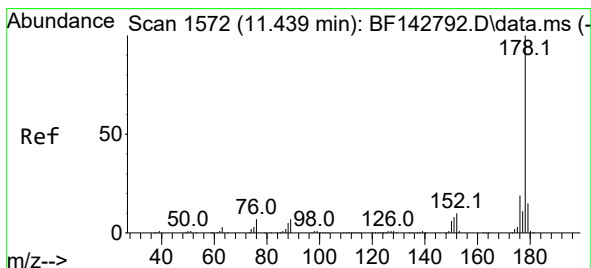
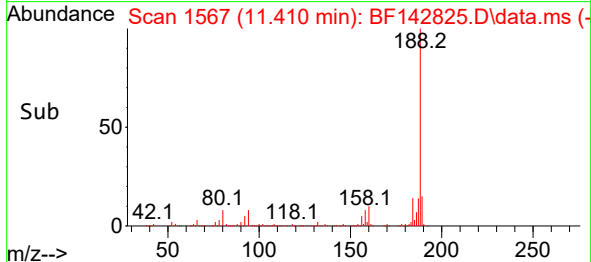
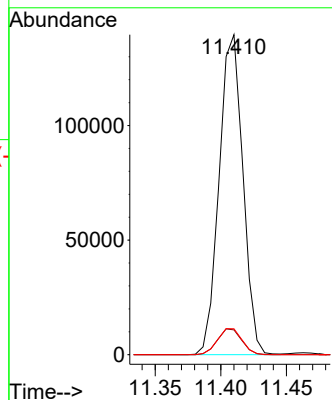
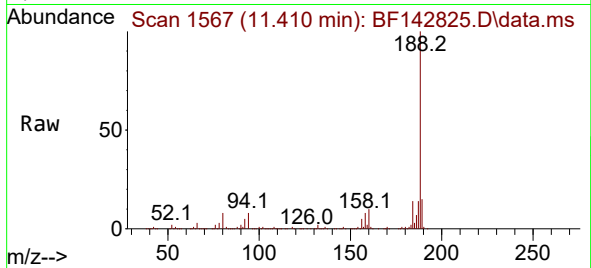




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.410 min Scan# 1567
Delta R.T. 0.000 min
Lab File: BF142825.D
Acq: 24 Jun 2025 18:03

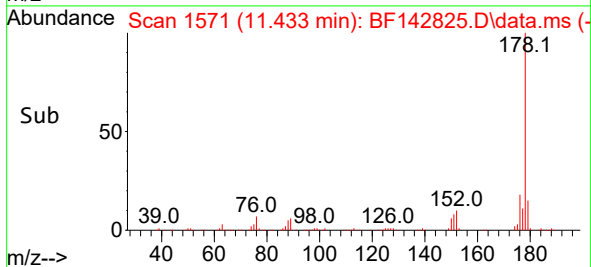
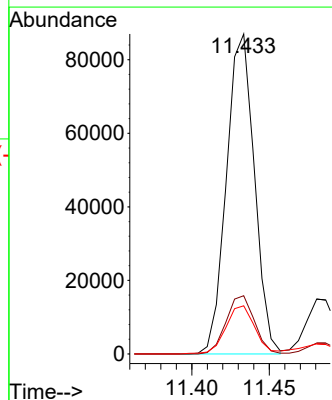
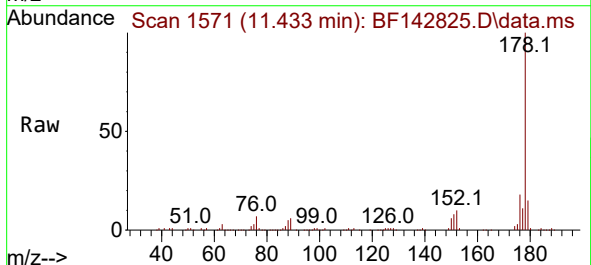
Instrument :
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ClientSampleId :
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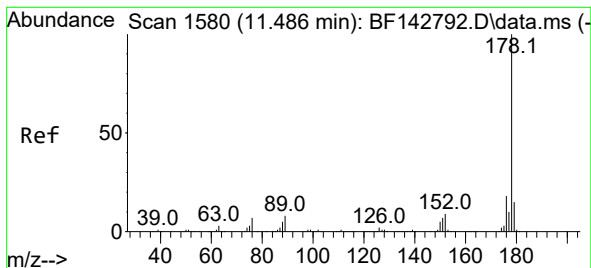
Tgt Ion:188 Resp: 176025
Ion Ratio Lower Upper
188 100
94 7.8 6.7 10.1
80 8.1 6.9 10.3



#71
Phenanthrene
Concen: 11.442 ng
RT: 11.433 min Scan# 1571
Delta R.T. -0.006 min
Lab File: BF142825.D
Acq: 24 Jun 2025 18:03

Tgt Ion:178 Resp: 109101
Ion Ratio Lower Upper
178 100
176 18.2 15.1 22.7
179 15.1 12.0 18.0





#72

Anthracene

Concen: 2.264 ng

RT: 11.481 min Scan# 1

Delta R.T. -0.006 min

Lab File: BF142825.D

Acq: 24 Jun 2025 18:03

Instrument :

BNA_F

ClientSampleId :

PARK AVE -4

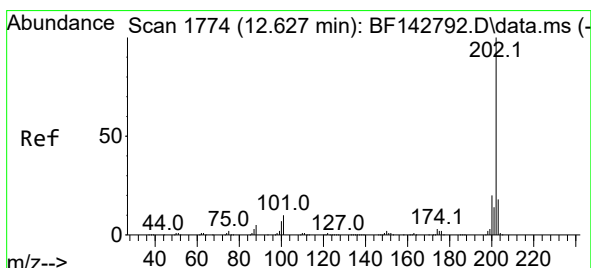
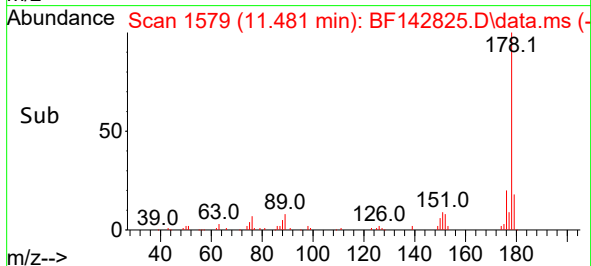
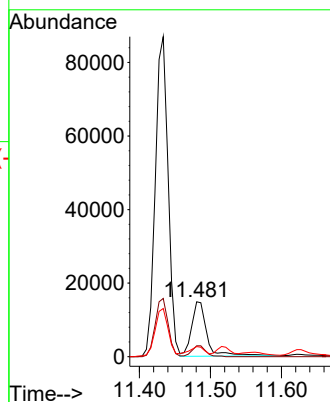
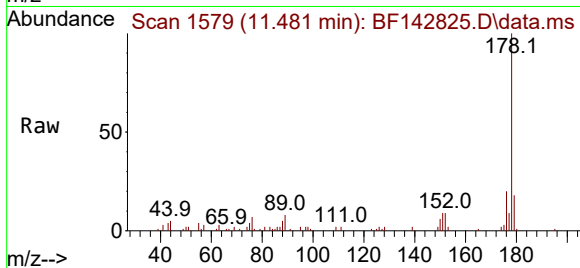
Tgt Ion:178 Resp: 22143

Ion Ratio Lower Upper

178 100

176 19.9 14.6 21.8

179 18.3 12.4 18.6



#75

Fluoranthene

Concen: 14.387 ng

RT: 12.622 min Scan# 1773

Delta R.T. -0.006 min

Lab File: BF142825.D

Acq: 24 Jun 2025 18:03

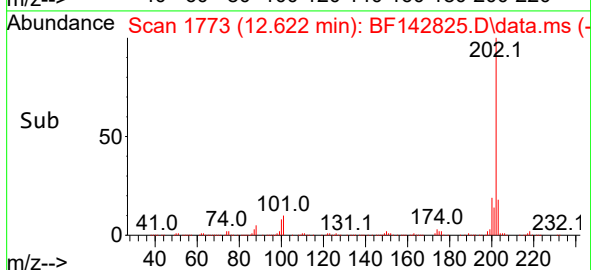
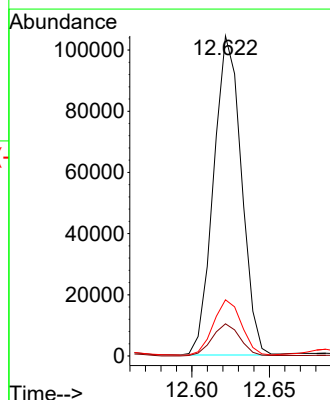
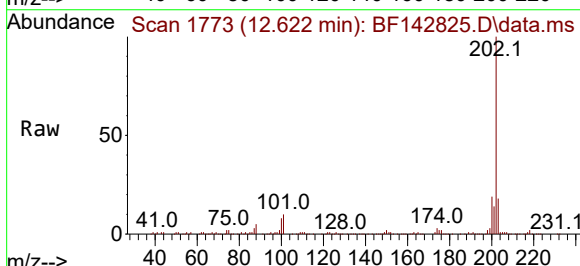
Tgt Ion:202 Resp: 130199

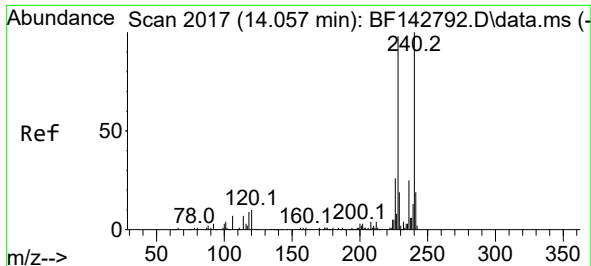
Ion Ratio Lower Upper

202 100

101 10.0 0.0 29.7

203 17.5 0.0 37.5

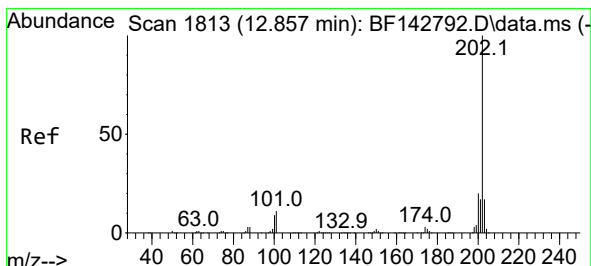
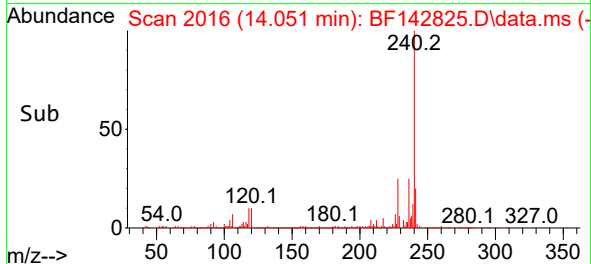
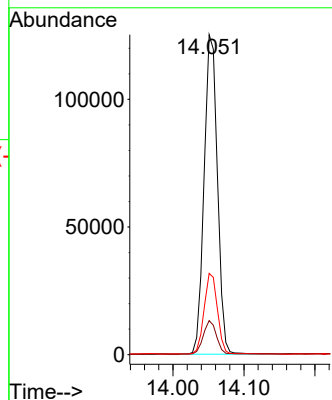
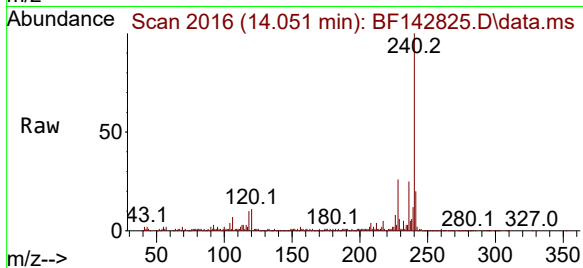




#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.051 min Scan# 20
Delta R.T. -0.006 min
Lab File: BF142825.D
Acq: 24 Jun 2025 18:03

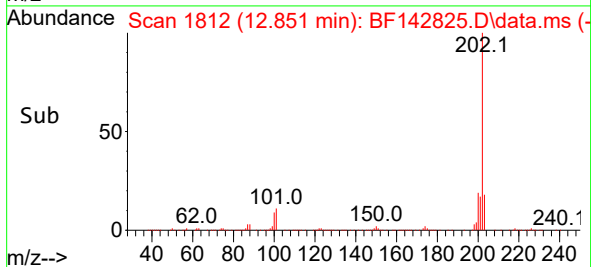
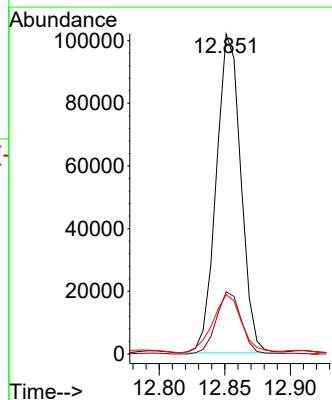
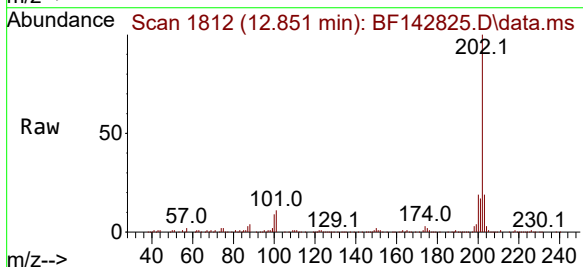
Instrument :
BNA_F
ClientSampleId :
PARK AVE -4

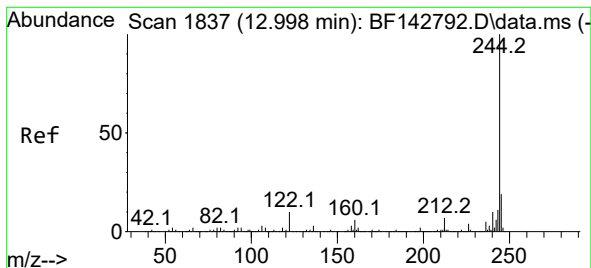
Tgt Ion:240 Resp: 164289
Ion Ratio Lower Upper
240 100
120 10.7 8.2 12.2
236 25.4 19.8 29.8



#78
Pyrene
Concen: 8.610 ng
RT: 12.851 min Scan# 1812
Delta R.T. -0.006 min
Lab File: BF142825.D
Acq: 24 Jun 2025 18:03

Tgt Ion:202 Resp: 132593
Ion Ratio Lower Upper
202 100
200 19.4 15.7 23.5
203 18.5 13.8 20.6





#79

Terphenyl-d14

Concen: 38.205 ng

RT: 12.992 min Scan# 1836

Delta R.T. -0.006 min

Lab File: BF142825.D

Acq: 24 Jun 2025 18:03

Instrument :

BNA_F

ClientSampleId :

PARK AVE -4

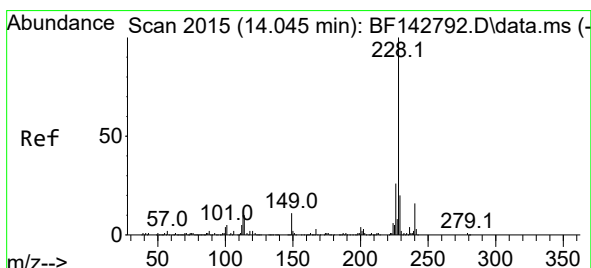
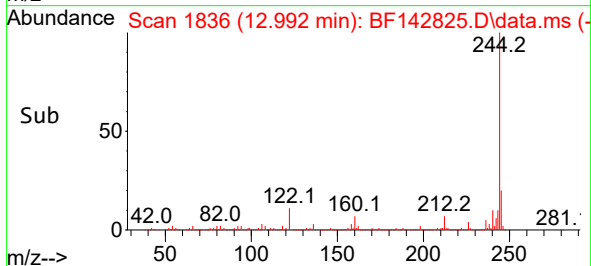
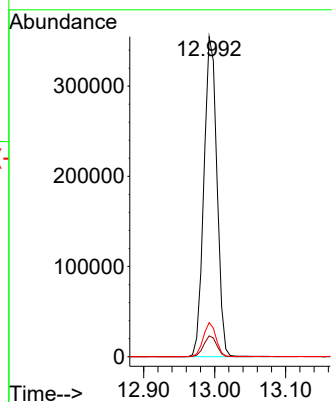
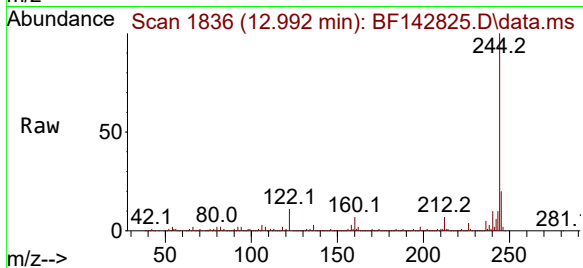
Tgt Ion:244 Resp: 454273

Ion Ratio Lower Upper

244 100

212 6.5 5.4 8.0

122 10.6 8.2 12.2



#81

Benzo(a)anthracene

Concen: 6.100 ng

RT: 14.045 min Scan# 2015

Delta R.T. 0.000 min

Lab File: BF142825.D

Acq: 24 Jun 2025 18:03

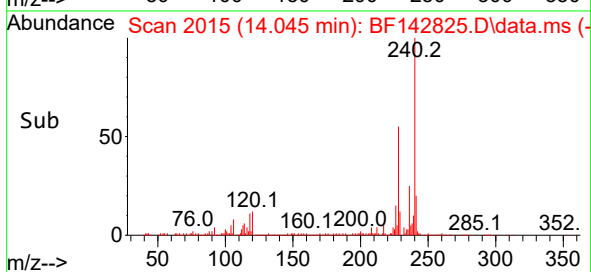
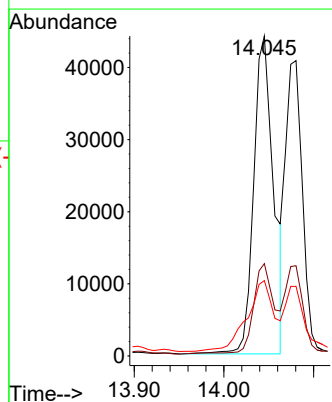
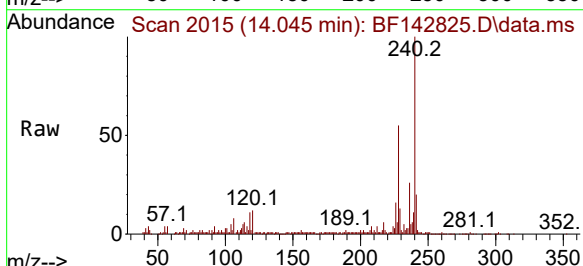
Tgt Ion:228 Resp: 67610

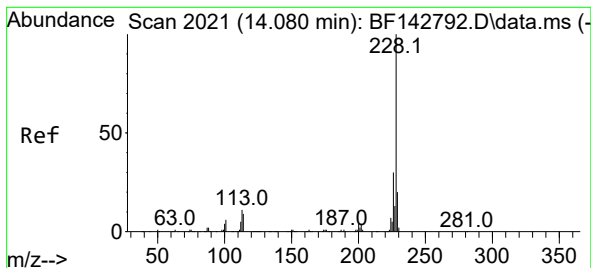
Ion Ratio Lower Upper

228 100

226 28.8 21.2 31.8

229 23.6 15.6 23.4#





#83

Chrysene

Concen: 5.339 ng

RT: 14.080 min Scan# 20

Delta R.T. 0.000 min

Lab File: BF142825.D

Acq: 24 Jun 2025 18:03

Instrument :

BNA_F

ClientSampleId :

PARK AVE -4

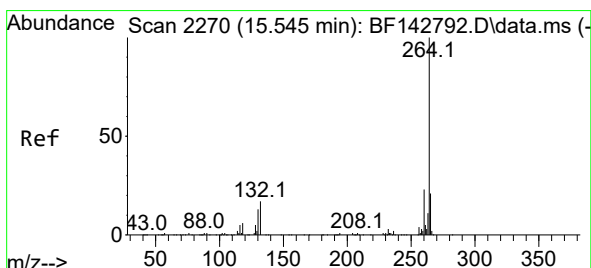
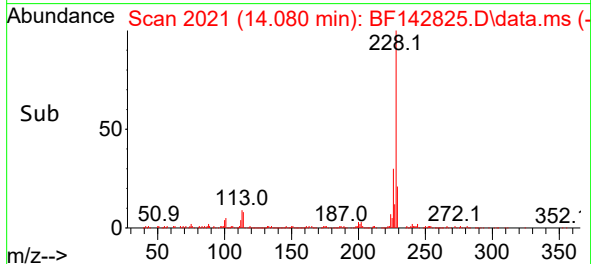
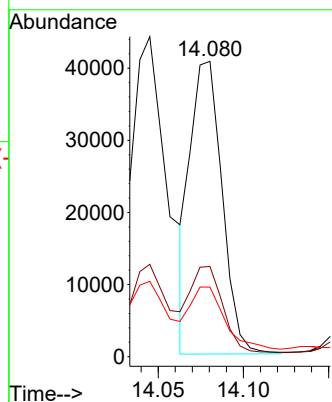
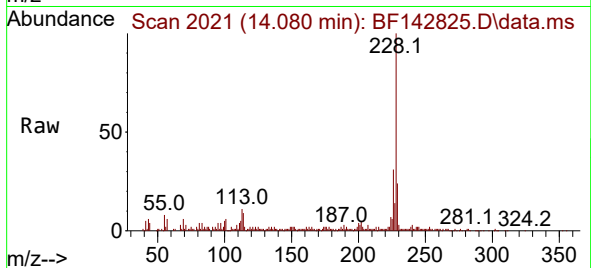
Tgt Ion:228 Resp: 52805

Ion Ratio Lower Upper

228 100

226 30.5 23.7 35.5

229 23.6 15.7 23.5#



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.545 min Scan# 2270

Delta R.T. 0.000 min

Lab File: BF142825.D

Acq: 24 Jun 2025 18:03

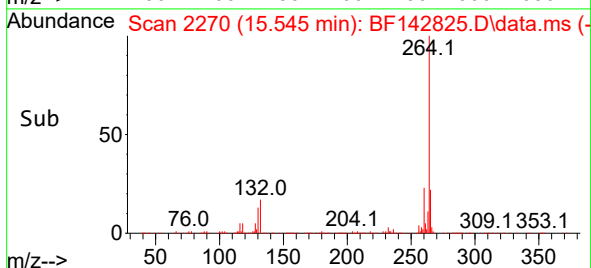
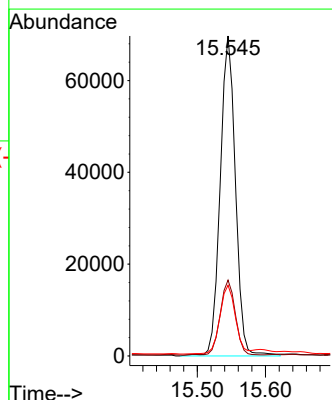
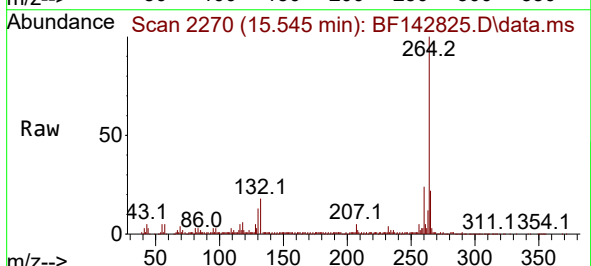
Tgt Ion:264 Resp: 108830

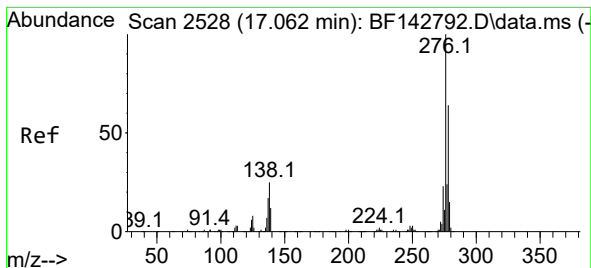
Ion Ratio Lower Upper

264 100

260 23.7 18.1 27.1

265 22.1 16.6 25.0





#87

Indeno(1,2,3-cd)pyrene

Concen: 2.467 ng

RT: 17.045 min Scan# 21

Delta R.T. -0.017 min

Lab File: BF142825.D

Acq: 24 Jun 2025 18:03

Instrument :

BNA_F

ClientSampleId :

PARK AVE -4

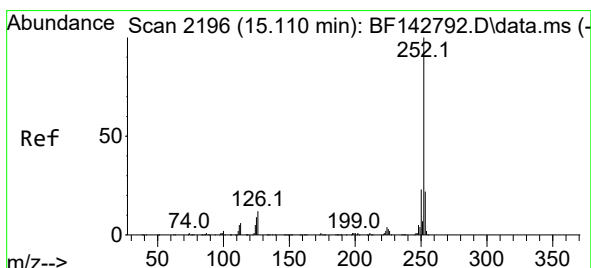
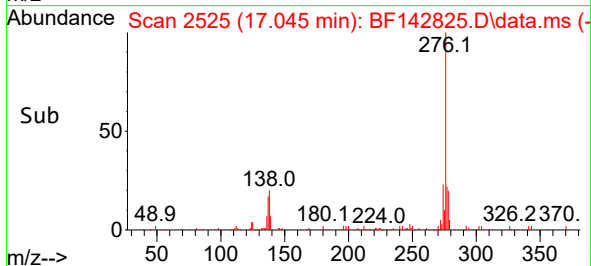
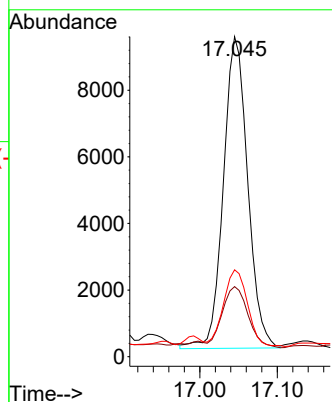
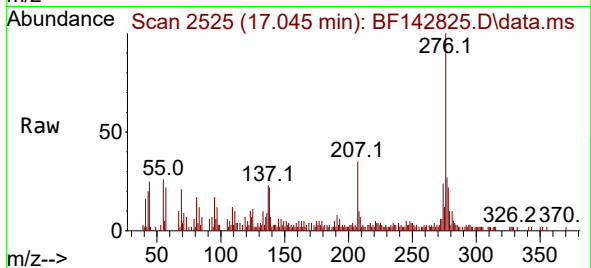
Tgt Ion:276 Resp: 20448

Ion Ratio Lower Upper

276 100

138 20.8 20.2 30.4

277 24.0 19.8 29.6



#88

Benzo(b)fluoranthene

Concen: 7.594 ng m

RT: 15.104 min Scan# 2195

Delta R.T. -0.006 min

Lab File: BF142825.D

Acq: 24 Jun 2025 18:03

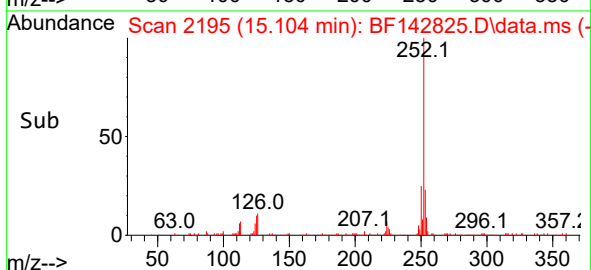
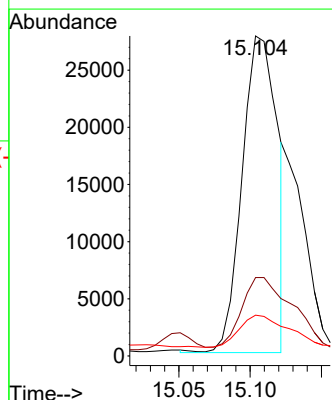
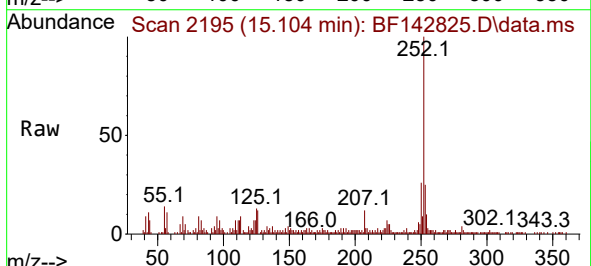
Tgt Ion:252 Resp: 47823

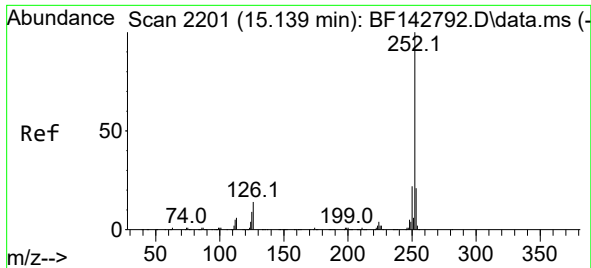
Ion Ratio Lower Upper

252 100

253 24.5 17.5 26.3

125 12.7 7.4 11.0#





#89

Benzo(k)fluoranthene

Concen: 3.017 ng m

RT: 15.121 min Scan# 21

Delta R.T. -0.017 min

Lab File: BF142825.D

Acq: 24 Jun 2025 18:03

Instrument :

BNA_F

ClientSampleId :

PARK AVE -4

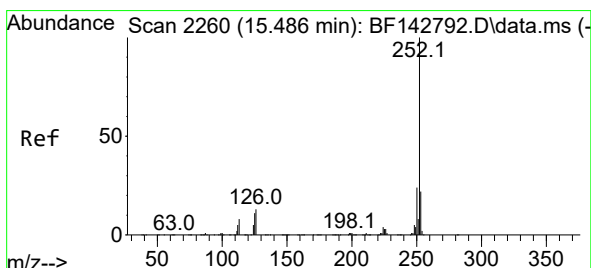
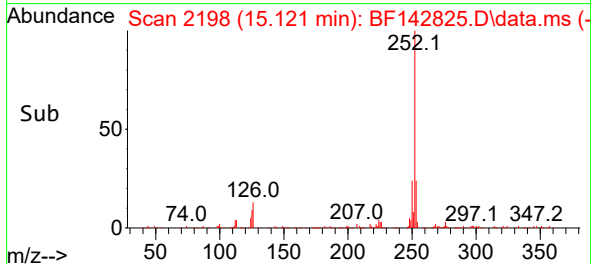
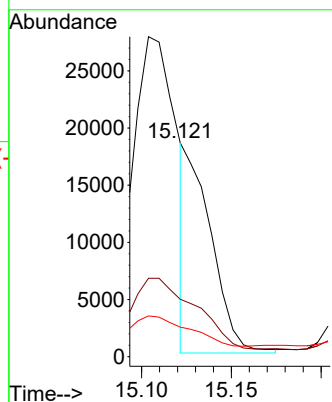
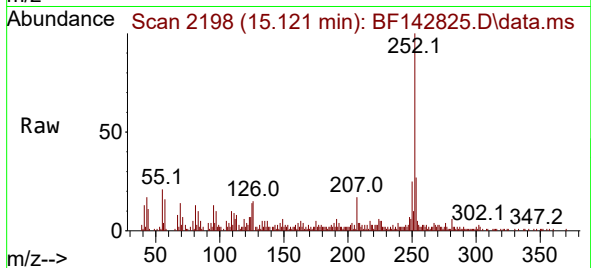
Tgt Ion:252 Resp: 17777

Ion Ratio Lower Upper

252 100

253 26.8 17.2 25.8#

125 13.9 7.4 11.2#



#90

Benzo(a)pyrene

Concen: 5.764 ng

RT: 15.480 min Scan# 2259

Delta R.T. -0.006 min

Lab File: BF142825.D

Acq: 24 Jun 2025 18:03

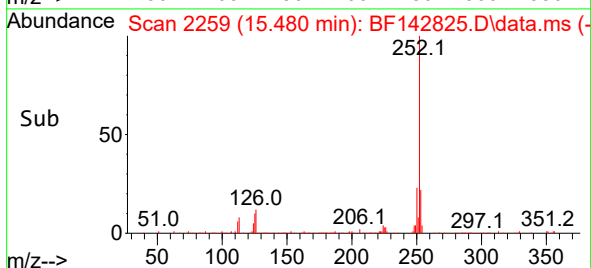
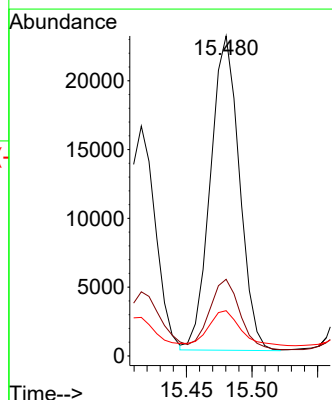
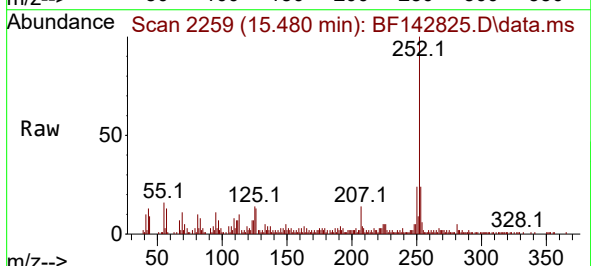
Tgt Ion:252 Resp: 35069

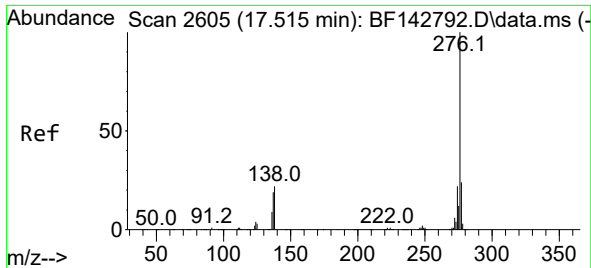
Ion Ratio Lower Upper

252 100

253 24.0 17.5 26.3

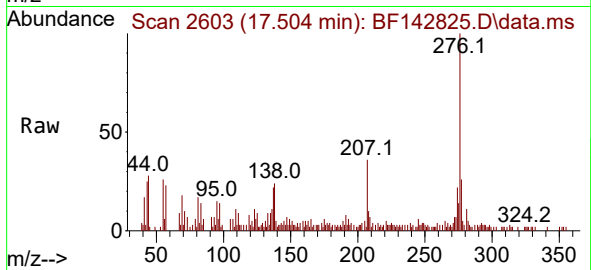
125 14.1 8.6 12.8#





#92
 Benzo(g,h,i)perylene
 Concen: 3.022 ng
 RT: 17.504 min Scan# 20
 Delta R.T. -0.012 min
 Lab File: BF142825.D
 Acq: 24 Jun 2025 18:03

Instrument :
 BNA_F
 ClientSampleId :
 PARK AVE -4



Tgt Ion:	276	Resp:	20296
Ion	Ratio	Lower	Upper
276	100		
277	26.1	18.8	28.2
138	23.6	17.6	26.4

