

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF053025\
 Data File : BF142580.D
 Acq On : 30 May 2025 20:14
 Operator : RC/JU
 Sample : Q2150-03
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TP-39

Quant Time: May 30 22:29:16 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

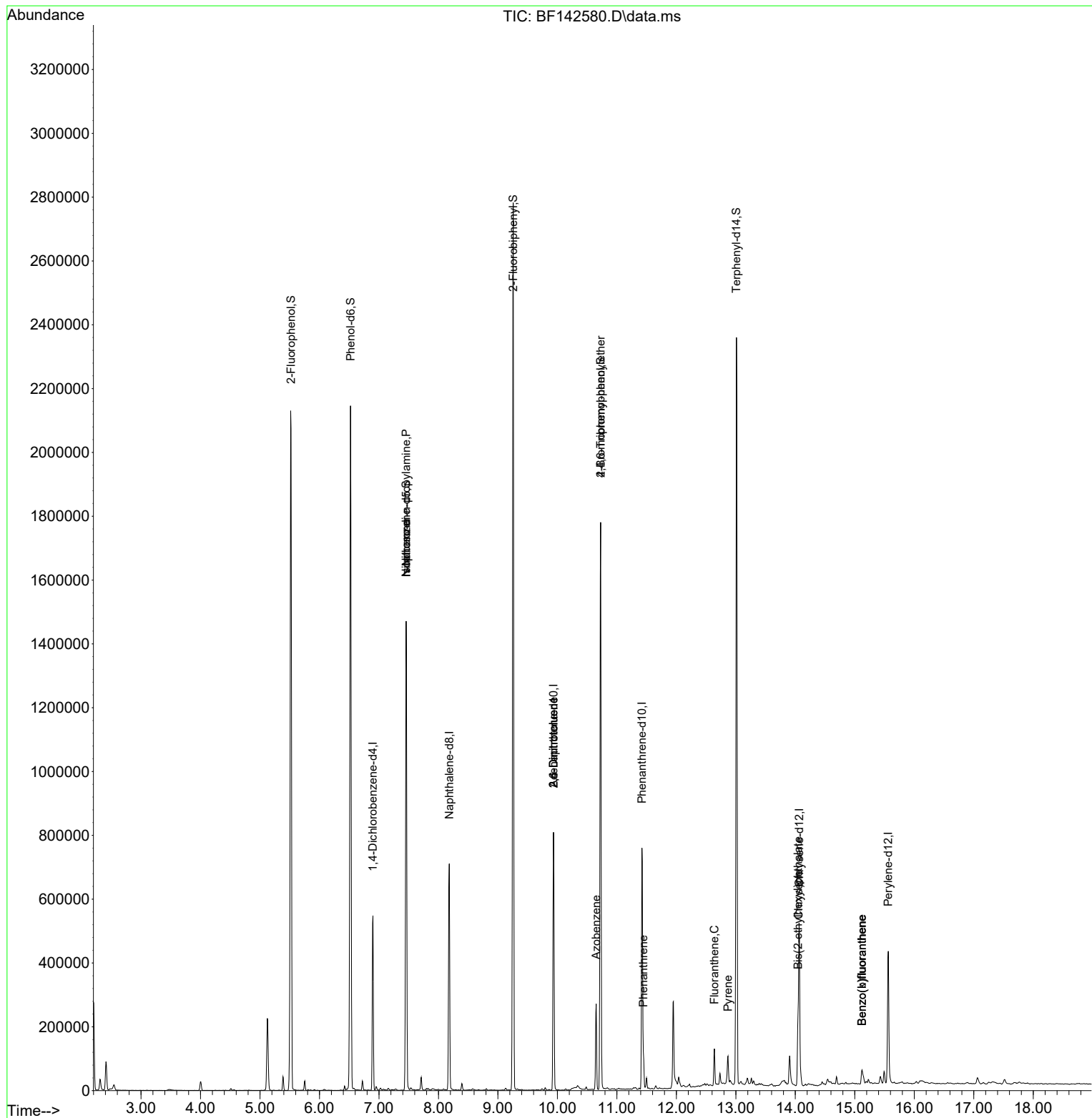
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.898	152	122275	20.000	ng	0.00
21) Naphthalene-d8	8.181	136	460916	20.000	ng	0.00
39) Acenaphthene-d10	9.933	164	242076	20.000	ng	-0.01
64) Phenanthrene-d10	11.422	188	399449	20.000	ng	-0.01
76) Chrysene-d12	14.068	240	234709	20.000	ng	0.00
86) Perylene-d12	15.562	264	243865	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.522	112	881832	121.502	ng	0.00
7) Phenol-d6	6.522	99	1097956	125.674	ng	-0.01
23) Nitrobenzene-d5	7.457	82	658106	77.857	ng	-0.02
42) 2,4,6-Tribromophenol	10.727	330	332339	123.696	ng	-0.01
45) 2-Fluorobiphenyl	9.257	172	1296910	71.890	ng	-0.01
79) Terphenyl-d14	13.010	244	1161574	67.630	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propyla...	7.457	70	89849	16.594	ng	# 76
25) Isophorone	7.457	82	622272	44.032	ng	# 63
51) 2,6-Dinitrotoluene	9.933	165	31114	9.025	ng	# 27
57) 2,4-Dinitrotoluene	9.933	165	31114	6.911	ng	# 28
63) Azobenzene	10.651	77	62297	4.446	ng	# 1
67) 4-Bromophenyl-phenylether	10.727	248	20716	4.386	ng	# 1
71) Phenanthrene	11.445	178	51900	2.431	ng	99
75) Fluoranthene	12.639	202	64278	3.222	ng	99
78) Pyrene	12.868	202	52703	2.407	ng	98
83) Chrysene	14.057	228	29340	2.083	ng	94
84) Bis(2-ethylhexyl)phtha...	14.045	149	72176	9.319	ng	98
88) Benzo(b)fluoranthene	15.121	252	39617	2.745	ng	# 93
89) Benzo(k)fluoranthene	15.121	252	39617	2.931	ng	# 93

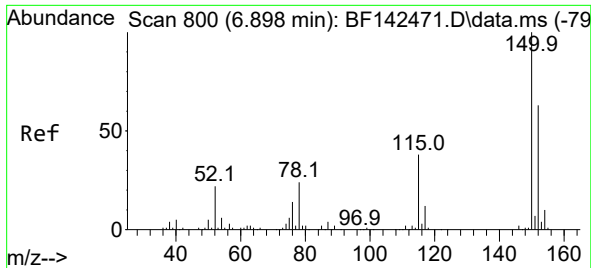
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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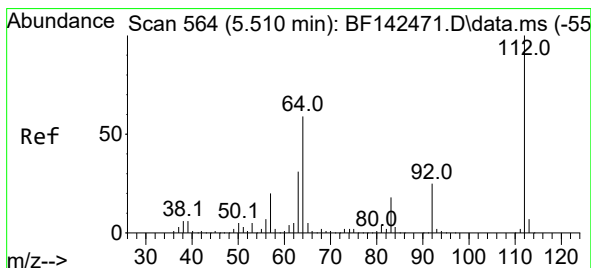
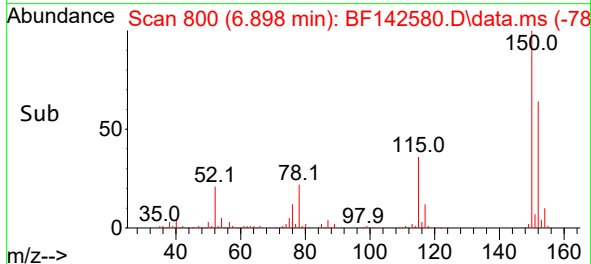
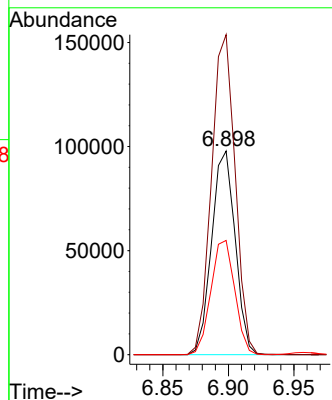
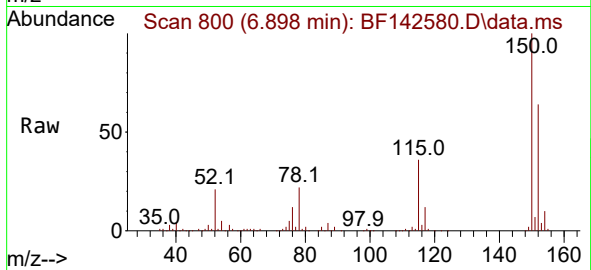




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.898 min Scan# 800
Delta R.T. -0.006 min
Lab File: BF142580.D
Acq: 30 May 2025 20:14

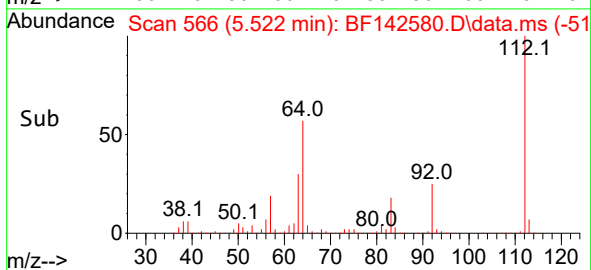
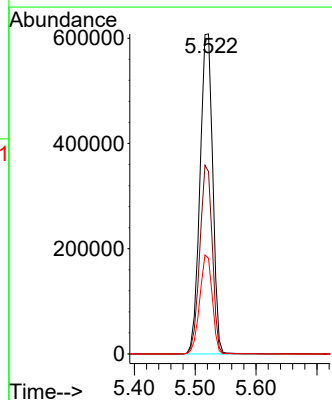
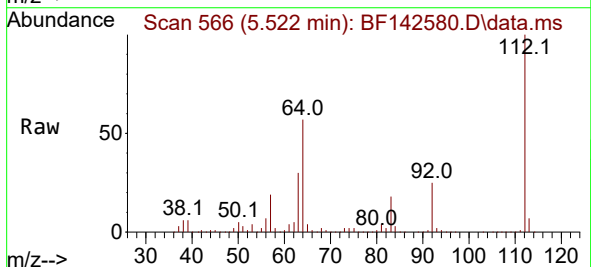
Instrument :
BNA_F
ClientSampleId :
TP-39

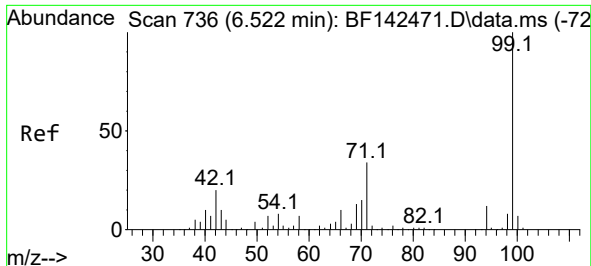
Tgt Ion:152 Resp: 122275
Ion Ratio Lower Upper
152 100
150 157.0 128.2 192.4
115 56.0 48.3 72.5



#5
2-Fluorophenol
Concen: 121.502 ng
RT: 5.522 min Scan# 566
Delta R.T. 0.006 min
Lab File: BF142580.D
Acq: 30 May 2025 20:14

Tgt Ion:112 Resp: 881832
Ion Ratio Lower Upper
112 100
64 57.0 47.5 71.3
63 29.8 24.9 37.3

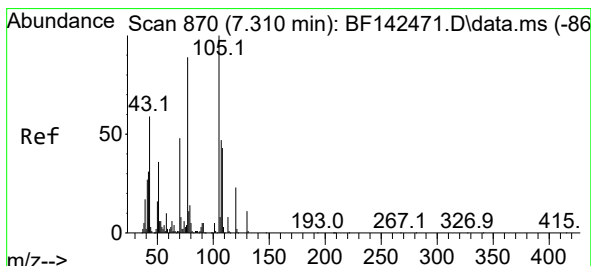
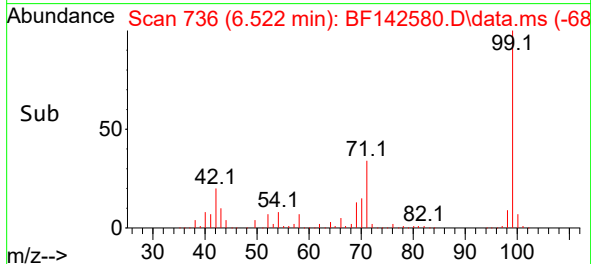
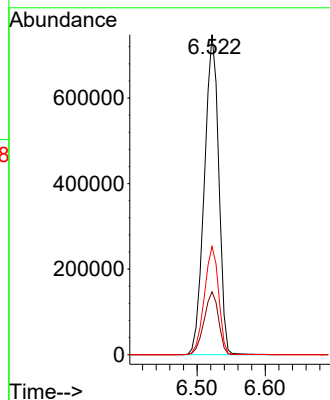
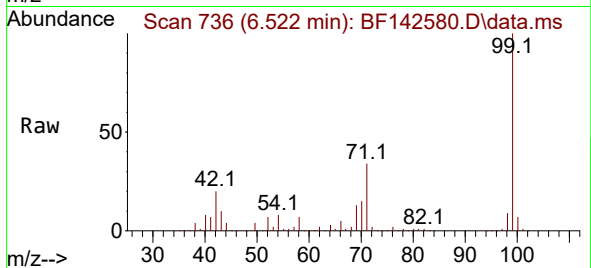




#7
Phenol-d6
Concen: 125.674 ng
RT: 6.522 min Scan# 71
Delta R.T. -0.012 min
Lab File: BF142580.D
Acq: 30 May 2025 20:14

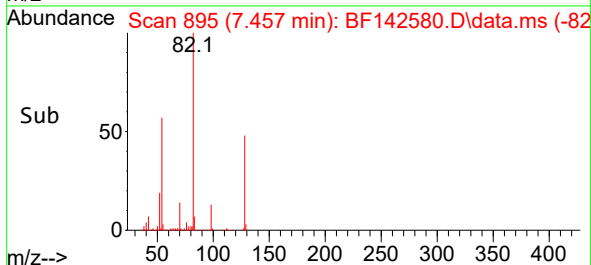
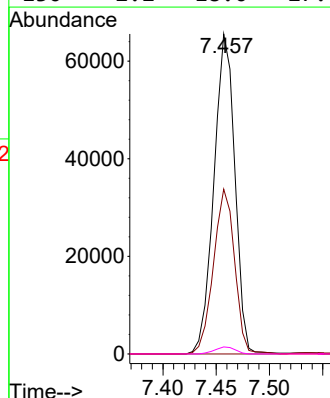
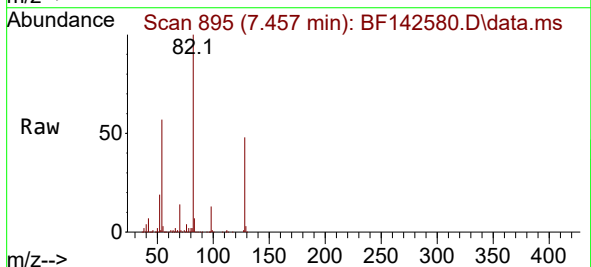
Instrument :
BNA_F
ClientSampleId :
TP-39

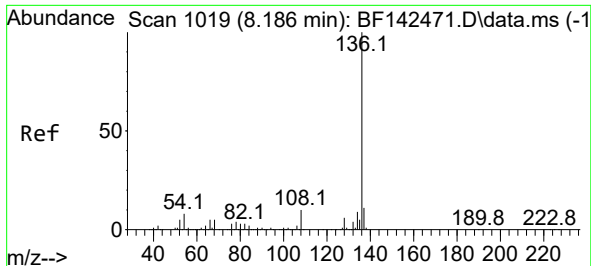
Tgt Ion: 99 Resp: 1097956
Ion Ratio Lower Upper
99 100
42 19.7 16.2 24.2
71 33.8 27.3 40.9



#19
n-Nitroso-di-n-propylamine
Concen: 16.594 ng
RT: 7.457 min Scan# 895
Delta R.T. 0.129 min
Lab File: BF142580.D
Acq: 30 May 2025 20:14

Tgt Ion: 70 Resp: 89849
Ion Ratio Lower Upper
70 100
42 51.5 52.4 78.6#
101 0.0 7.8 11.8#
130 2.2 18.0 27.0#



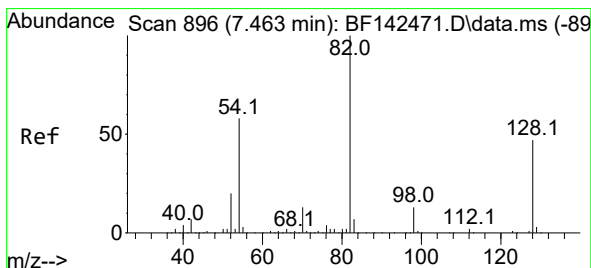
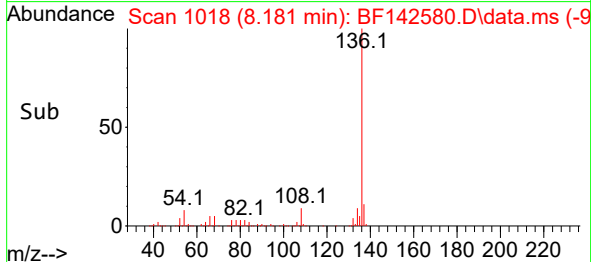
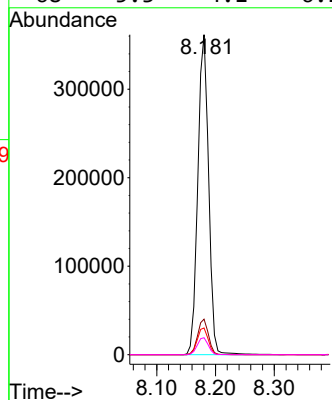
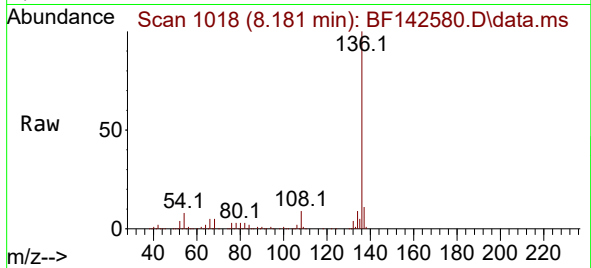


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.181 min Scan# 1019
Delta R.T. -0.006 min
Lab File: BF142580.D
Acq: 30 May 2025 20:14

Instrument :
BNA_F
ClientSampleId :
TP-39

Tgt Ion:136 Resp: 460916

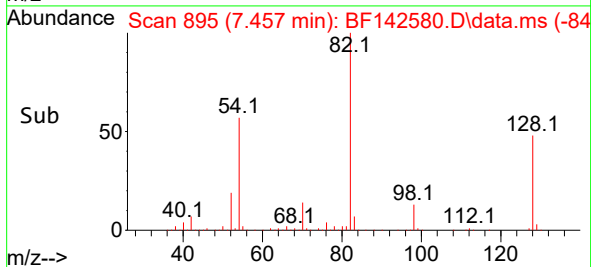
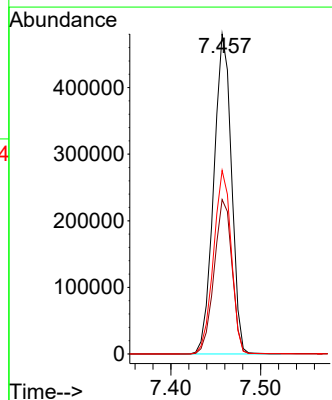
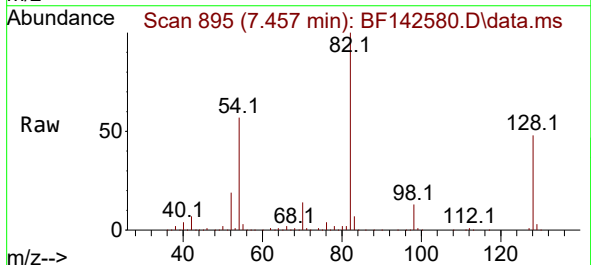
Ion	Ratio	Lower	Upper
136	100		
137	11.1	8.6	13.0
54	8.4	6.6	10.0
68	5.3	4.1	6.1

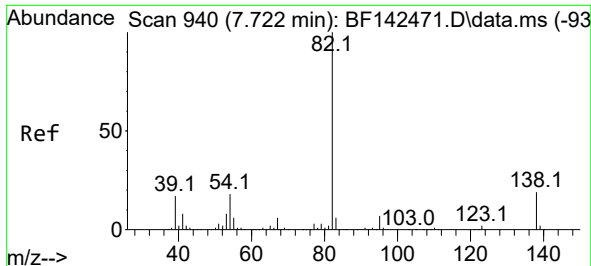


#23
Nitrobenzene-d5
Concen: 77.857 ng
RT: 7.457 min Scan# 895
Delta R.T. -0.018 min
Lab File: BF142580.D
Acq: 30 May 2025 20:14

Tgt Ion: 82 Resp: 658106

Ion	Ratio	Lower	Upper
82	100		
128	48.2	37.4	56.2
54	57.4	46.6	70.0

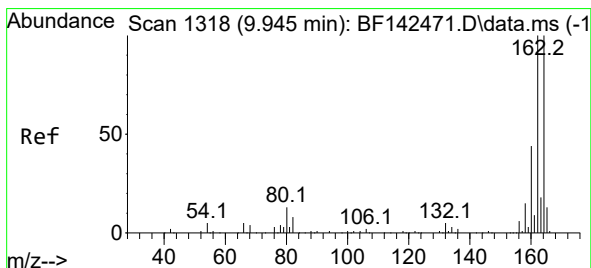
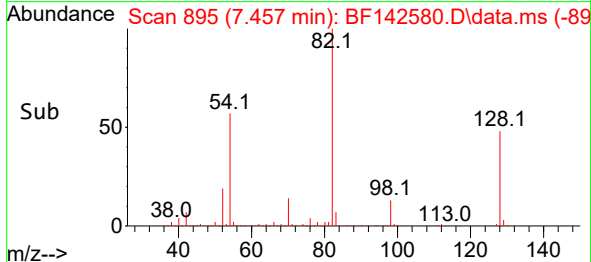
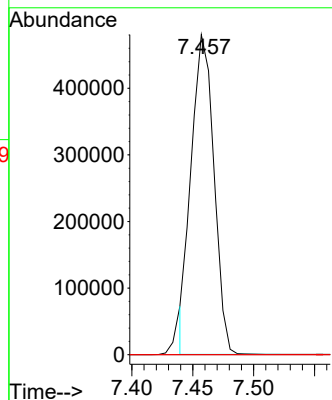
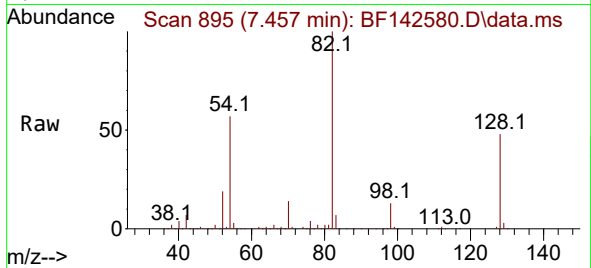




#25
Isophorone
Concen: 44.032 ng
RT: 7.457 min Scan# 89
Delta R.T. -0.276 min
Lab File: BF142580.D
Acq: 30 May 2025 20:14

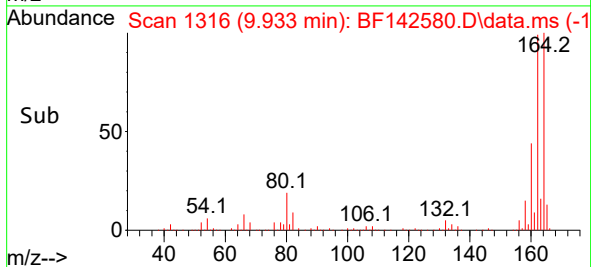
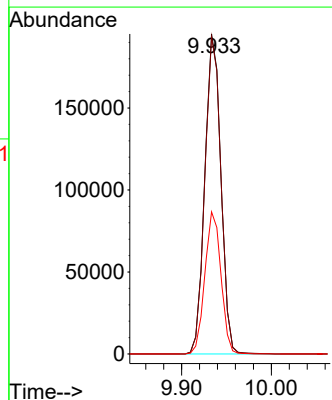
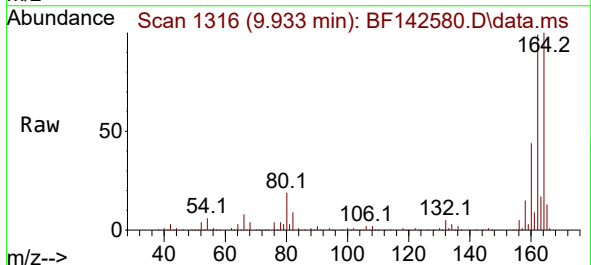
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ClientSampleId :
TP-39

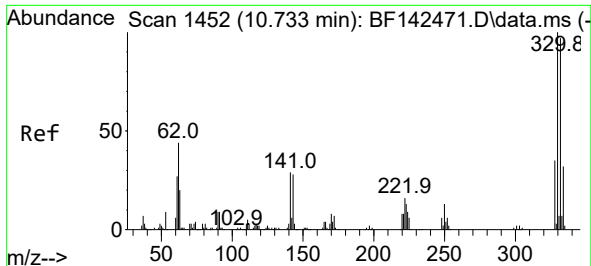
Tgt Ion: 82 Resp: 622272
Ion Ratio Lower Upper
82 100
95 0.0 6.0 9.0#
138 0.0 15.5 23.3#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.933 min Scan# 1316
Delta R.T. -0.012 min
Lab File: BF142580.D
Acq: 30 May 2025 20:14

Tgt Ion:164 Resp: 242076
Ion Ratio Lower Upper
164 100
162 99.1 80.2 120.4
160 44.4 35.6 53.4

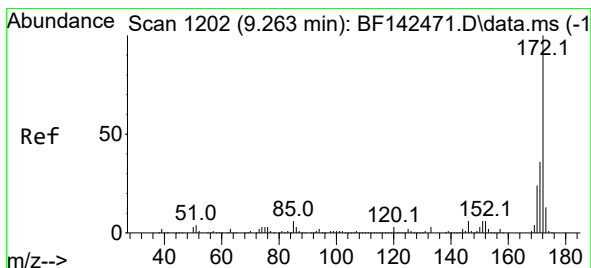
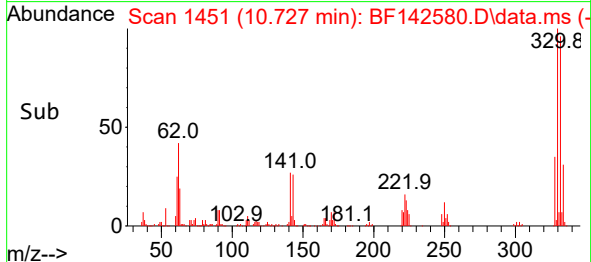
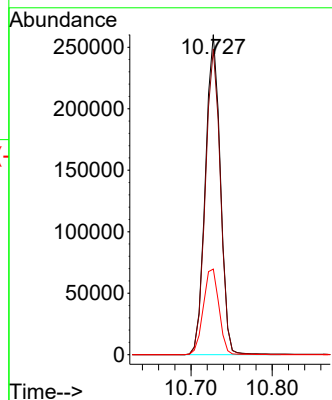
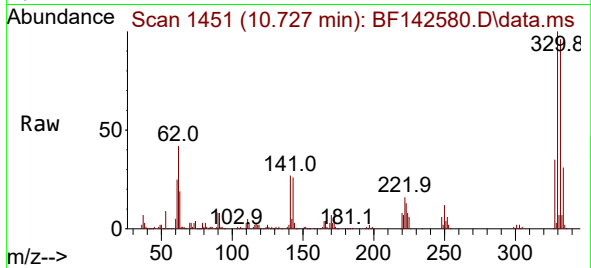




#42
2,4,6-Tribromophenol
Concen: 123.696 ng
RT: 10.727 min Scan# 1451
Delta R.T. -0.012 min
Lab File: BF142580.D
Acq: 30 May 2025 20:14

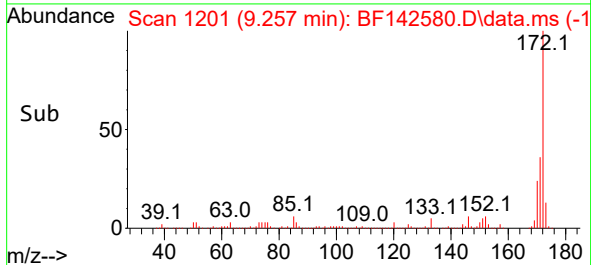
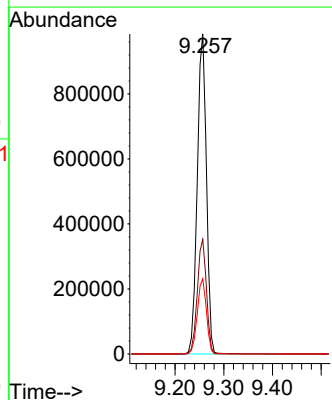
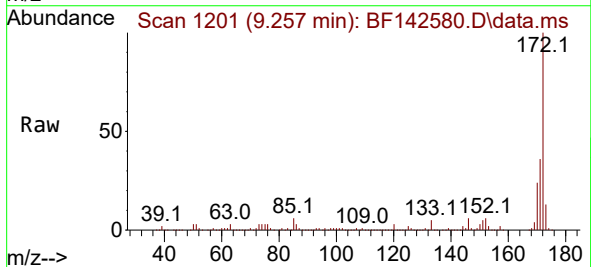
Instrument :
BNA_F
ClientSampleId :
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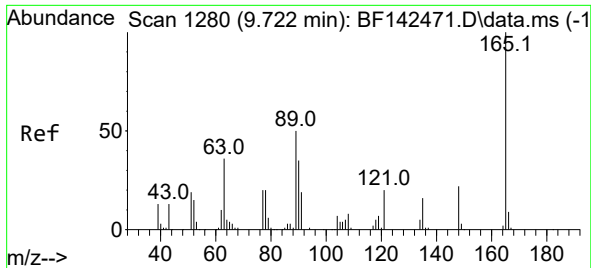
Tgt Ion:330 Resp: 332339
Ion Ratio Lower Upper
330 100
332 96.0 77.6 116.4
141 28.1 24.6 36.8



#45
2-Fluorobiphenyl
Concen: 71.890 ng
RT: 9.257 min Scan# 1201
Delta R.T. -0.012 min
Lab File: BF142580.D
Acq: 30 May 2025 20:14

Tgt Ion:172 Resp: 1296910
Ion Ratio Lower Upper
172 100
171 35.8 28.6 42.8
170 23.5 18.9 28.3

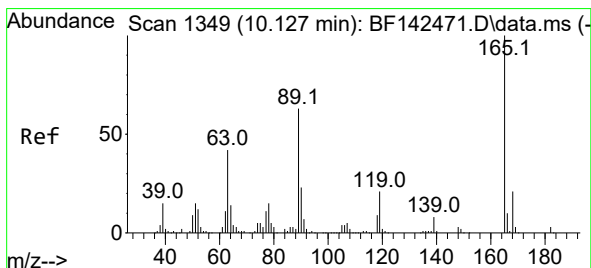
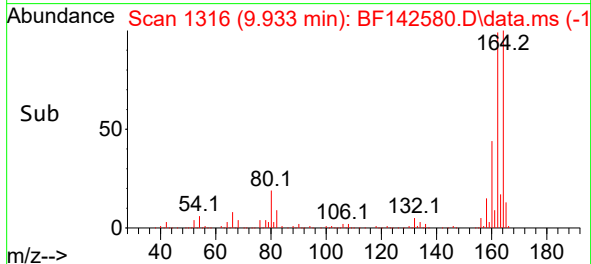
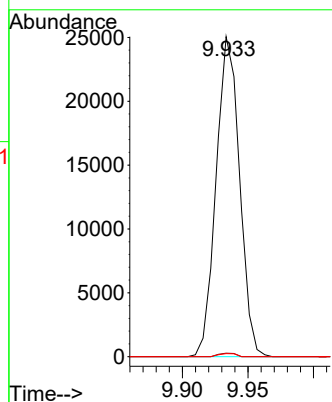
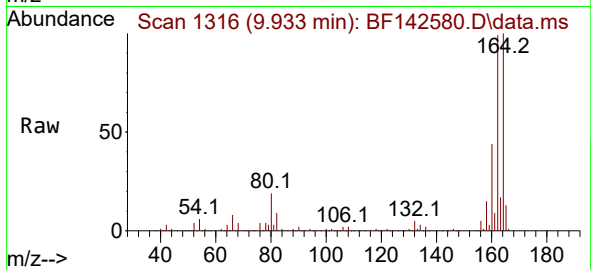




#51
2,6-Dinitrotoluene
Concen: 9.025 ng
RT: 9.933 min Scan# 1316
Delta R.T. 0.206 min
Lab File: BF142580.D
Acq: 30 May 2025 20:14

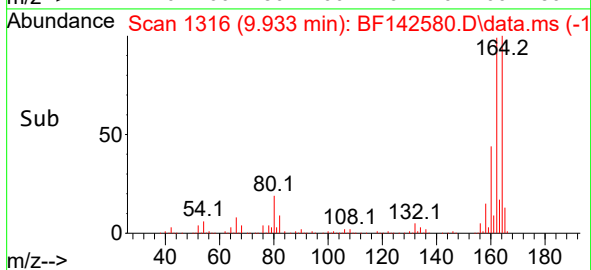
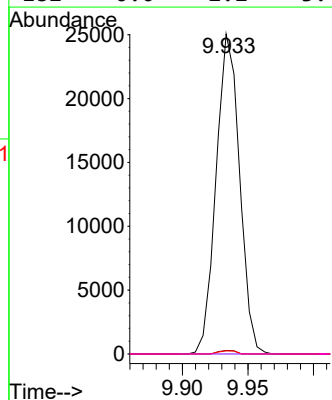
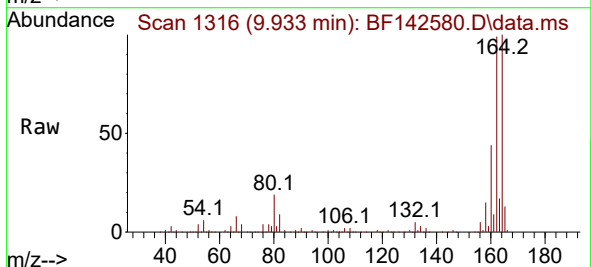
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ClientSampleId :
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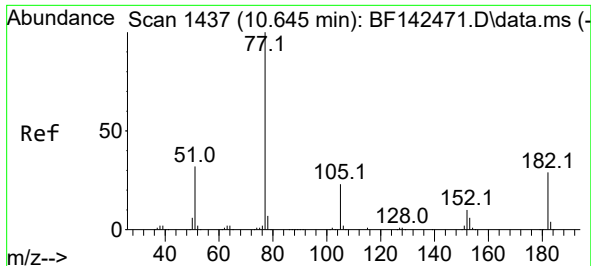
Tgt Ion:165 Resp: 31114
Ion Ratio Lower Upper
165 100
63 1.1 42.9 64.3#
89 0.9 40.2 60.4#



#57
2,4-Dinitrotoluene
Concen: 6.911 ng
RT: 9.933 min Scan# 1316
Delta R.T. -0.200 min
Lab File: BF142580.D
Acq: 30 May 2025 20:14

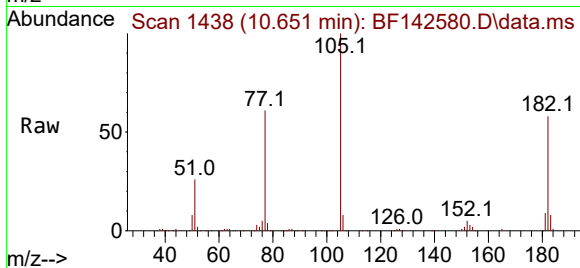
Tgt Ion:165 Resp: 31114
Ion Ratio Lower Upper
165 100
63 1.1 33.6 50.4#
89 0.9 50.2 75.4#
182 0.0 2.2 3.4#



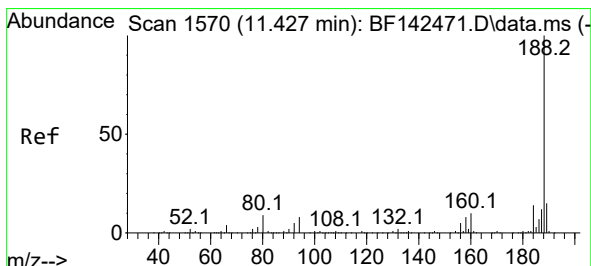
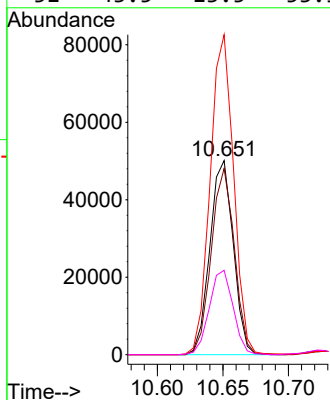
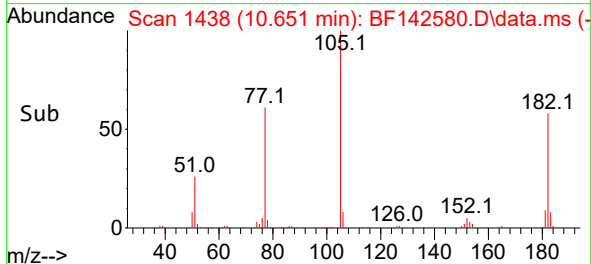


#63
Azobenzene
Concen: 4.446 ng
RT: 10.651 min Scan# 14
Delta R.T. 0.006 min
Lab File: BF142580.D
Acq: 30 May 2025 20:14

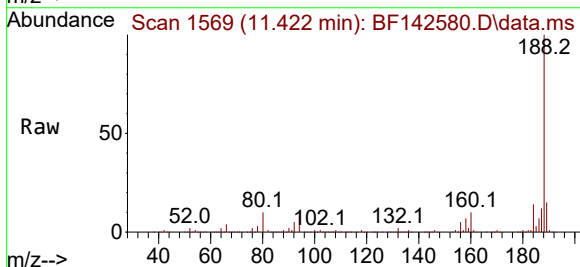
Instrument :
BNA_F
ClientSampleId :
TP-39



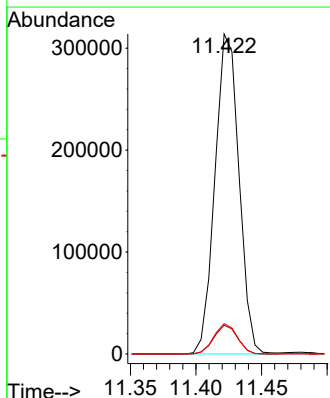
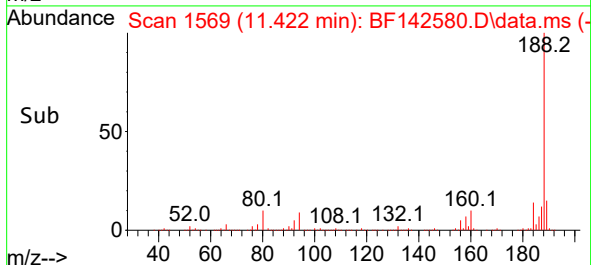
Tgt Ion: 77 Resp: 62297
Ion Ratio Lower Upper
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105 164.9 2.4 42.4#
51 43.5 13.5 53.5

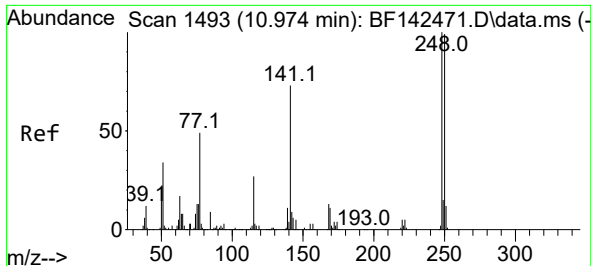


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.422 min Scan# 1569
Delta R.T. -0.012 min
Lab File: BF142580.D
Acq: 30 May 2025 20:14



Tgt Ion: 188 Resp: 399449
Ion Ratio Lower Upper
188 100
94 9.0 6.6 10.0
80 9.5 7.4 11.0

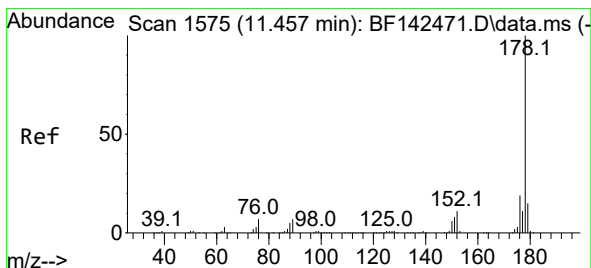
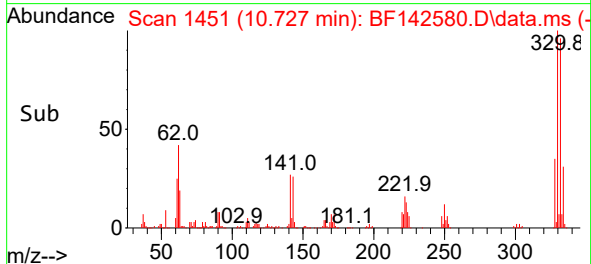
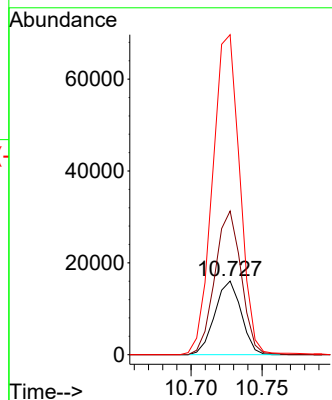
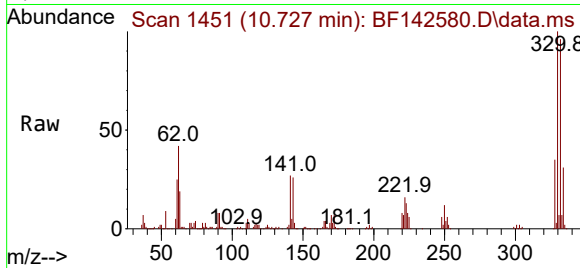




#67
4-Bromophenyl-phenylether
Concen: 4.386 ng
RT: 10.727 min Scan# 1493
Delta R.T. -0.247 min
Lab File: BF142580.D
Acq: 30 May 2025 20:14

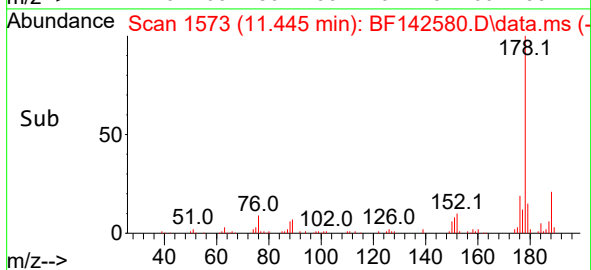
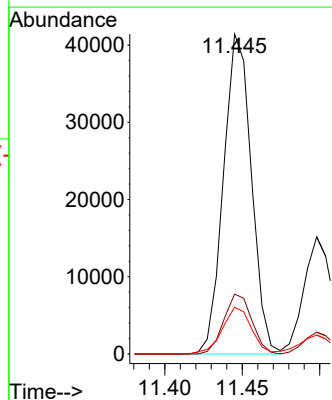
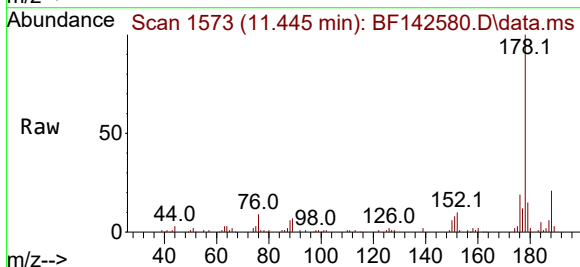
Instrument :
BNA_F
ClientSampleId :
TP-39

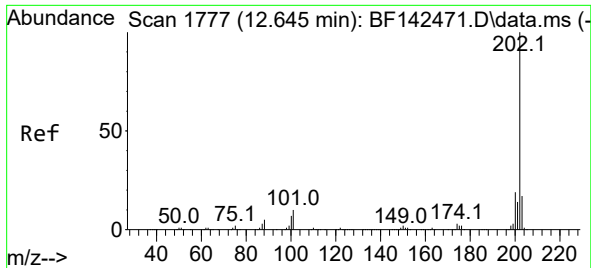
Tgt Ion:248 Resp: 20716
Ion Ratio Lower Upper
248 100
250 195.2 79.0 118.4#
141 434.8 58.4 87.6#



#71
Phenanthrene
Concen: 2.431 ng
RT: 11.445 min Scan# 1573
Delta R.T. -0.012 min
Lab File: BF142580.D
Acq: 30 May 2025 20:14

Tgt Ion:178 Resp: 51900
Ion Ratio Lower Upper
178 100
176 18.7 15.4 23.0
179 14.6 12.3 18.5

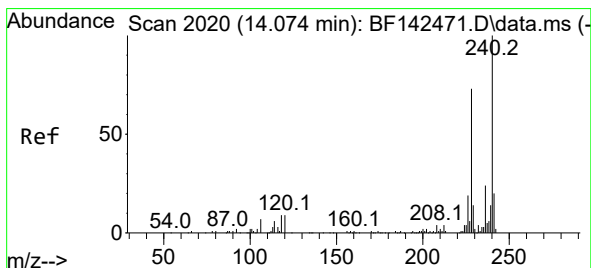
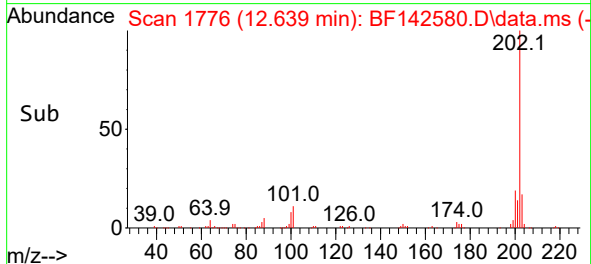
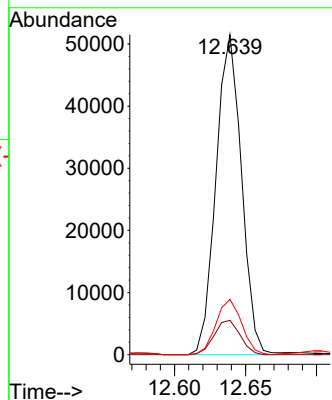
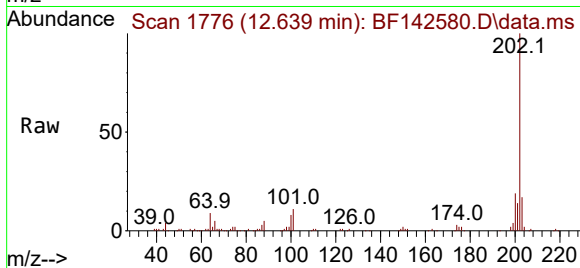




#75
Fluoranthene
Concen: 3.222 ng
RT: 12.639 min Scan# 1776
Delta R.T. -0.006 min
Lab File: BF142580.D
Acq: 30 May 2025 20:14

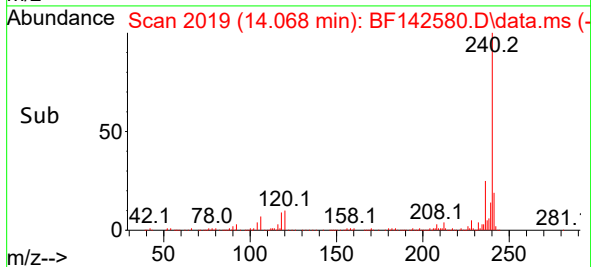
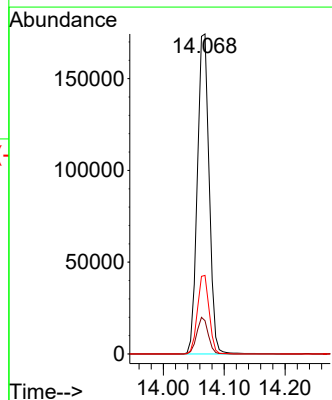
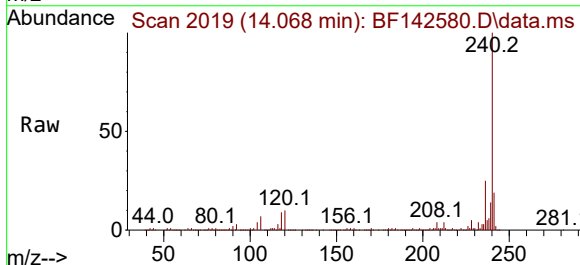
Instrument :
BNA_F
ClientSampleId :
TP-39

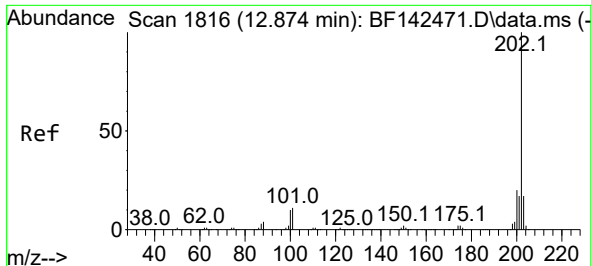
Tgt Ion:202 Resp: 64278
Ion Ratio Lower Upper
202 100
101 10.8 0.0 29.6
203 17.3 0.0 37.2



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.068 min Scan# 2019
Delta R.T. -0.006 min
Lab File: BF142580.D
Acq: 30 May 2025 20:14

Tgt Ion:240 Resp: 234709
Ion Ratio Lower Upper
240 100
120 10.4 7.5 11.3
236 24.5 19.6 29.4

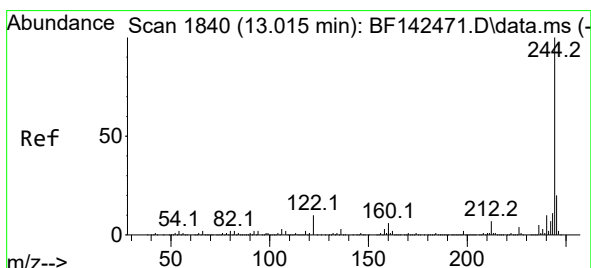
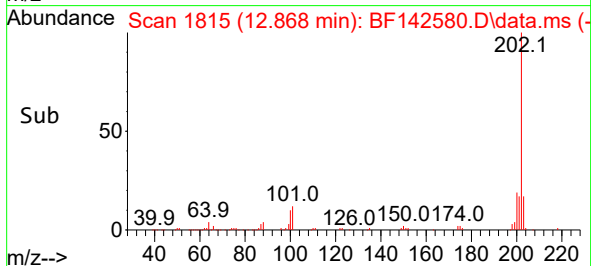
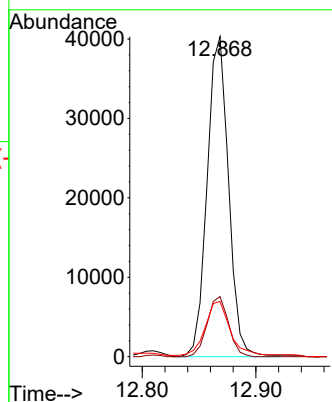
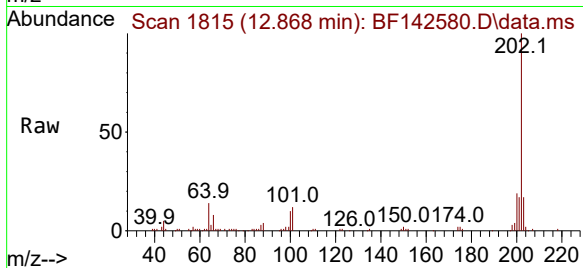




#78
Pyrene
Concen: 2.407 ng
RT: 12.868 min Scan# 1815
Delta R.T. -0.006 min
Lab File: BF142580.D
Acq: 30 May 2025 20:14

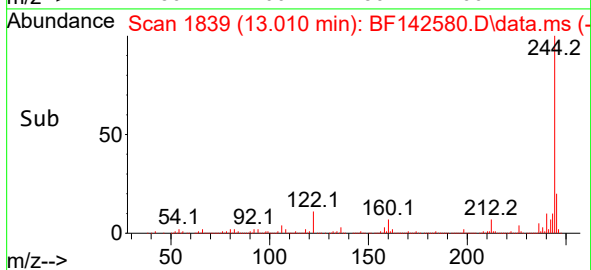
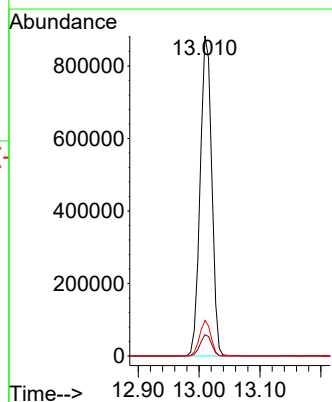
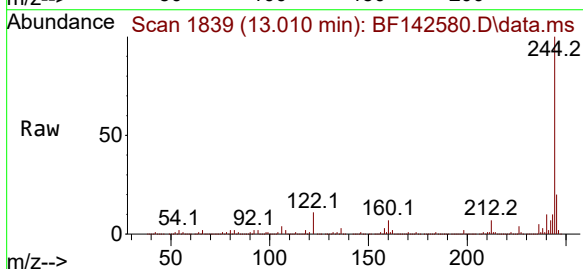
Instrument :
BNA_F
ClientSampleId :
TP-39

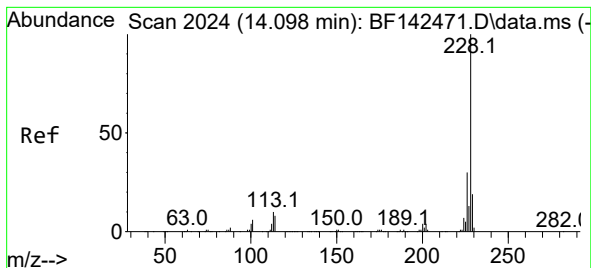
Tgt Ion:202 Resp: 52703
Ion Ratio Lower Upper
202 100
200 18.8 16.1 24.1
203 17.2 13.9 20.9



#79
Terphenyl-d14
Concen: 67.630 ng
RT: 13.010 min Scan# 1839
Delta R.T. -0.006 min
Lab File: BF142580.D
Acq: 30 May 2025 20:14

Tgt Ion:244 Resp: 1161574
Ion Ratio Lower Upper
244 100
212 6.7 5.3 7.9
122 11.1 8.2 12.2





#83

Chrysene

Concen: 2.083 ng

RT: 14.057 min Scan# 20

Delta R.T. -0.047 min

Lab File: BF142580.D

Acq: 30 May 2025 20:14

Instrument :

BNA_F

ClientSampleId :

TP-39

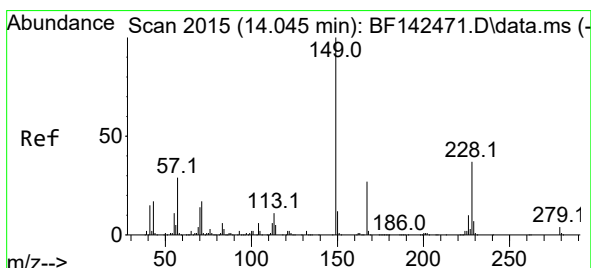
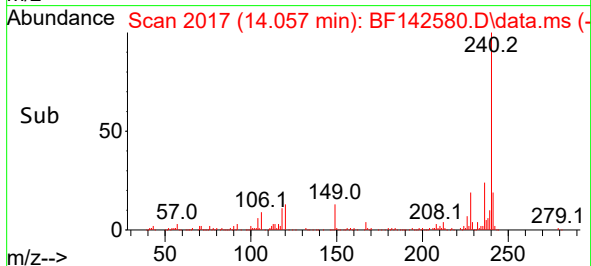
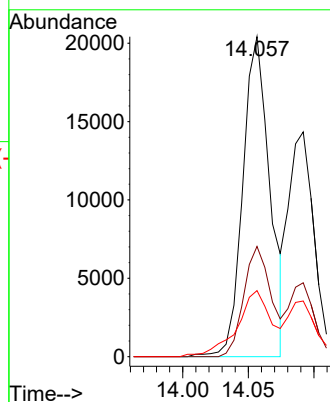
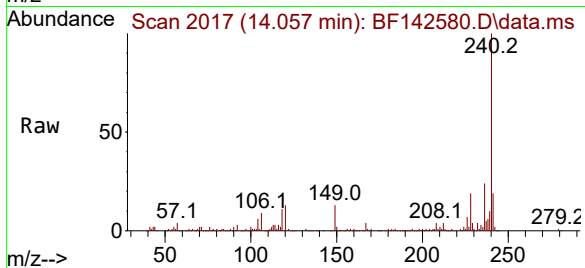
Tgt Ion:228 Resp: 29340

Ion Ratio Lower Upper

228 100

226 34.4 23.8 35.6

229 20.6 15.4 23.2



#84

Bis(2-ethylhexyl)phthalate

Concen: 9.319 ng

RT: 14.045 min Scan# 2015

Delta R.T. -0.006 min

Lab File: BF142580.D

Acq: 30 May 2025 20:14

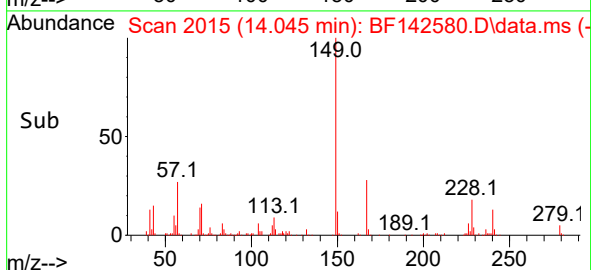
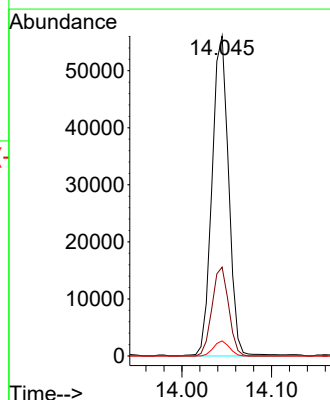
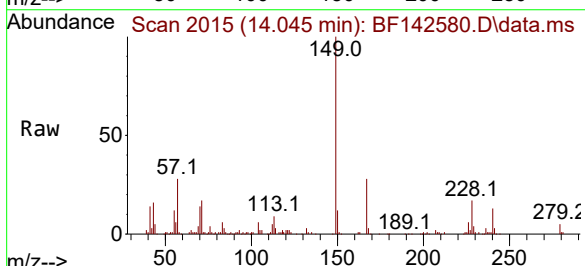
Tgt Ion:149 Resp: 72176

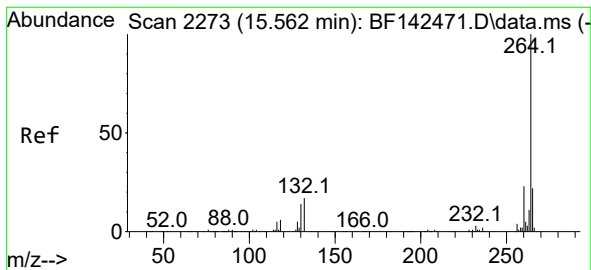
Ion Ratio Lower Upper

149 100

167 27.7 21.5 32.3

279 4.7 3.2 4.8





#86

Perylene-d12

Concen: 20.000 ng

RT: 15.562 min Scan# 21

Delta R.T. -0.006 min

Lab File: BF142580.D

Acq: 30 May 2025 20:14

Instrument :

BNA_F

ClientSampleId :

TP-39

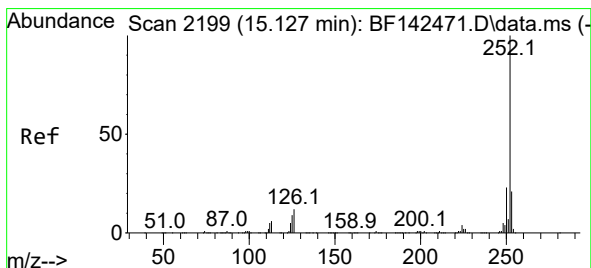
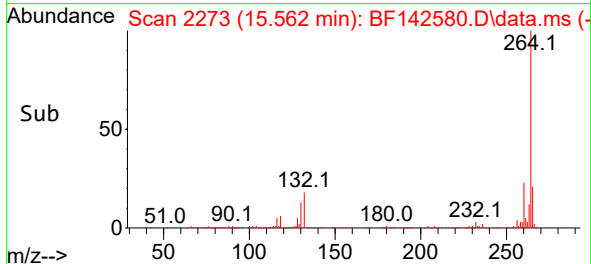
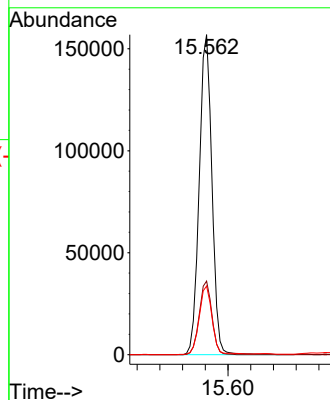
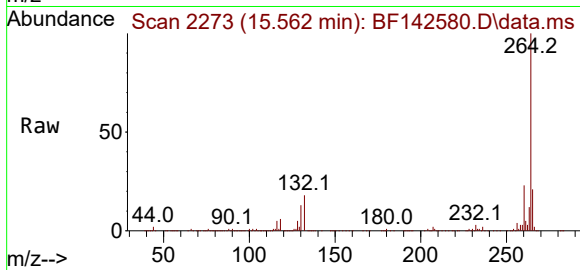
Tgt Ion:264 Resp: 243865

Ion Ratio Lower Upper

264 100

260 23.0 18.6 28.0

265 21.5 17.7 26.5



#88

Benzo(b)fluoranthene

Concen: 2.745 ng

RT: 15.121 min Scan# 2198

Delta R.T. -0.006 min

Lab File: BF142580.D

Acq: 30 May 2025 20:14

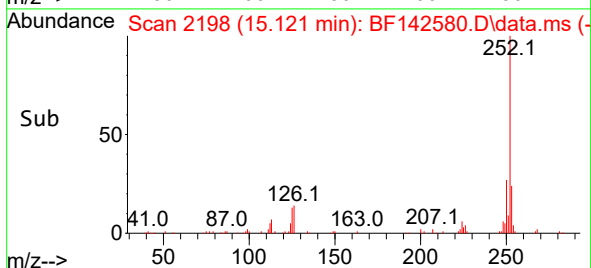
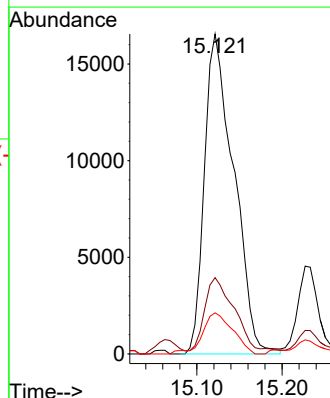
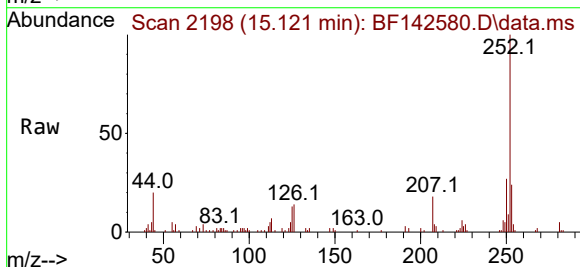
Tgt Ion:252 Resp: 39617

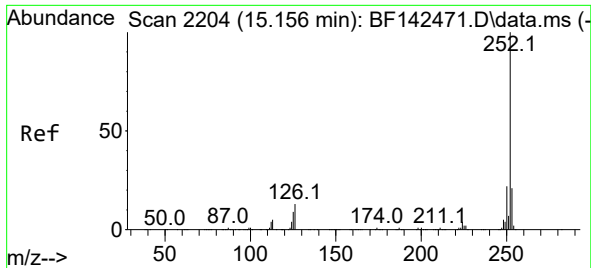
Ion Ratio Lower Upper

252 100

253 23.9 17.0 25.4

125 12.9 7.4 11.0#





#89

Benzo(k)fluoranthene

Concen: 2.931 ng

RT: 15.121 min Scan# 21

Delta R.T. -0.041 min

Lab File: BF142580.D

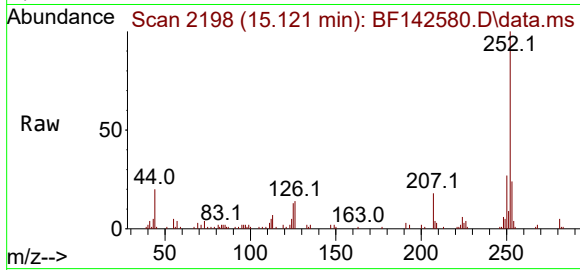
Acq: 30 May 2025 20:14

Instrument :

BNA_F

ClientSampleId :

TP-39



Tgt Ion:252 Resp: 39617

Ion Ratio Lower Upper

252 100

253 23.9 17.0 25.4

125 12.9 7.3 10.9#

