

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)

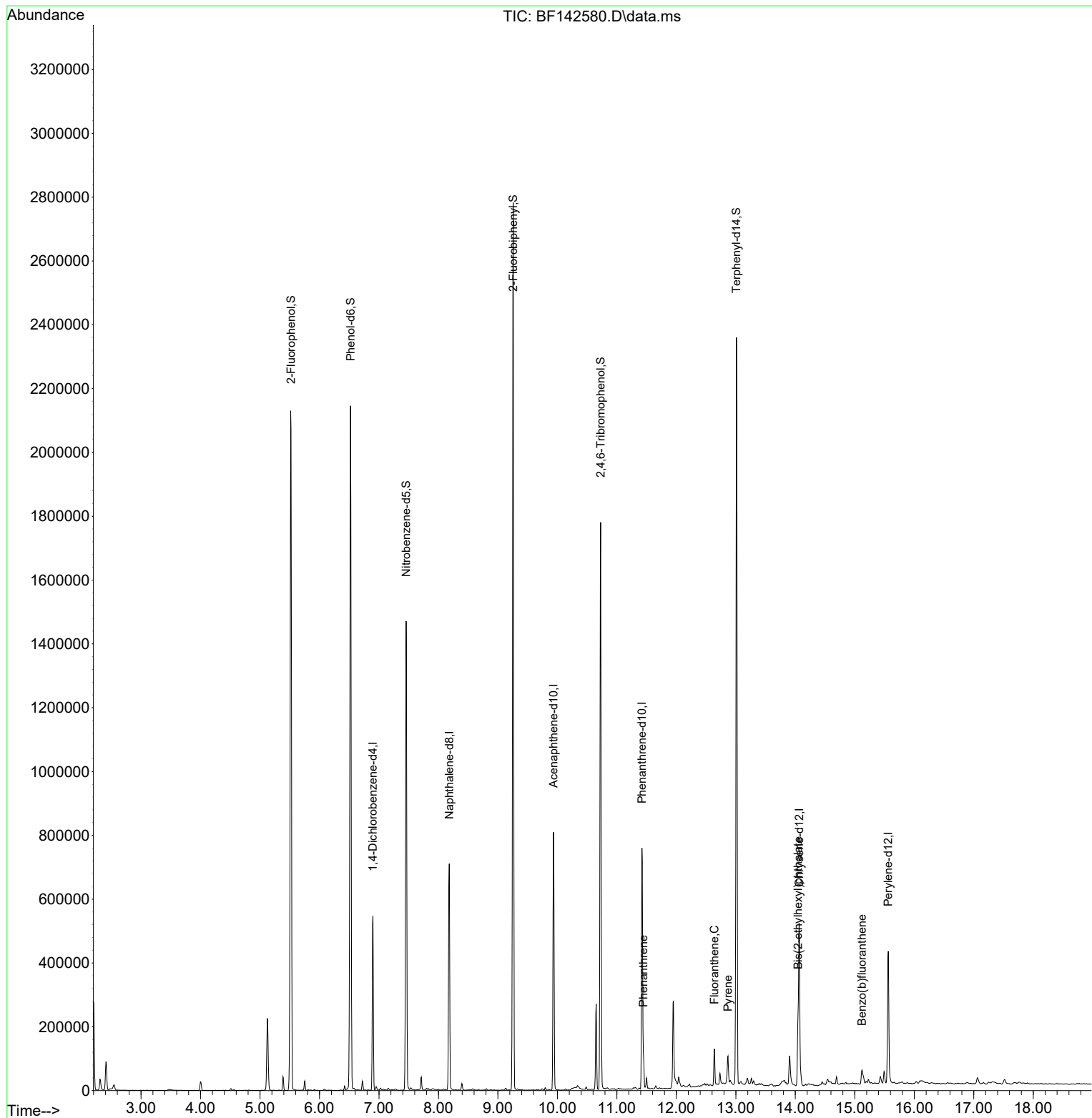
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.898	152	122275	20.000	ng	0.00
21) Naphthalene-d8	8.181	136	460916	20.000	ng	0.00
39) Acenaphthene-d10	9.933	164	242076	20.000	ng	-0.01
64) Phenanthrene-d10	11.422	188	399449	20.000	ng	-0.01
76) Chrysene-d12	14.068	240	234709	20.000	ng	0.00
86) Perylene-d12	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						
						Qvalue
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
84) Bis(2-ethylhexyl)phtha...	14.045	149	72176	9.319	ng	98
88) Benzo(b)fluoranthene	15.121	252	30210m	2.093	ng	

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

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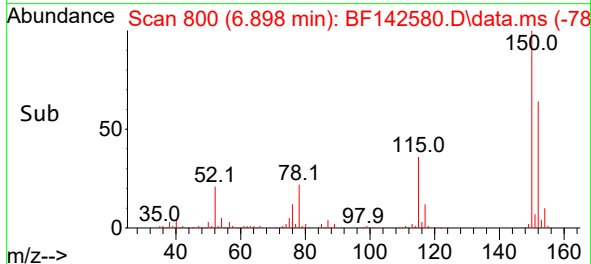
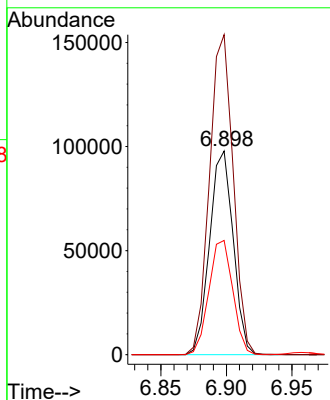
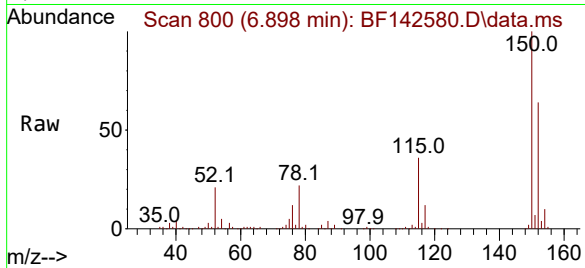




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.898 min Scan# 800
Delta R.T. -0.006 min
Lab File: BF142580.D
Acq: 30 May 2025 20:14

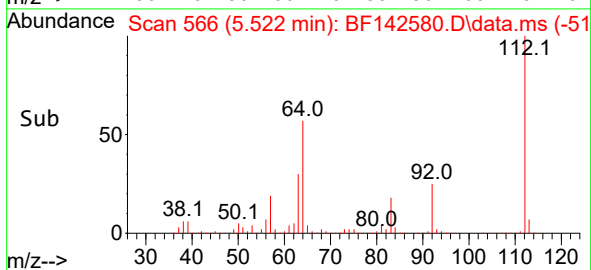
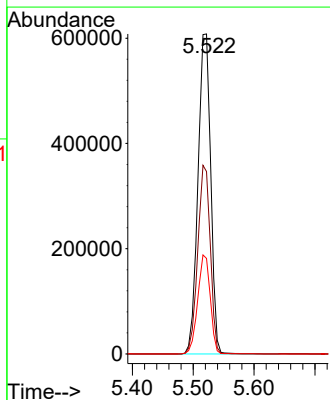
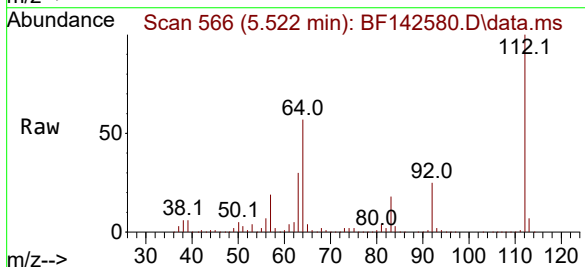
Instrument :
BNA_F
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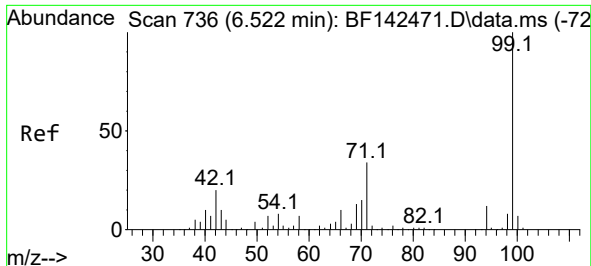
Tgt Ion:152 Resp: 122275
Ion Ratio Lower Upper
152 100
150 157.0 128.2 192.4
115 56.0 48.3 72.5



#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

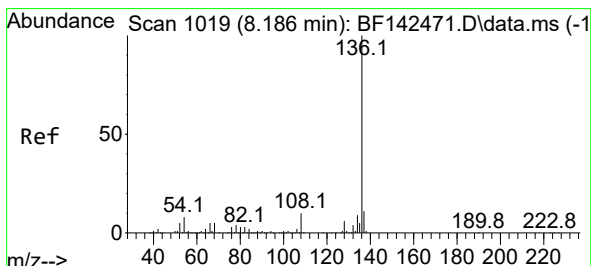
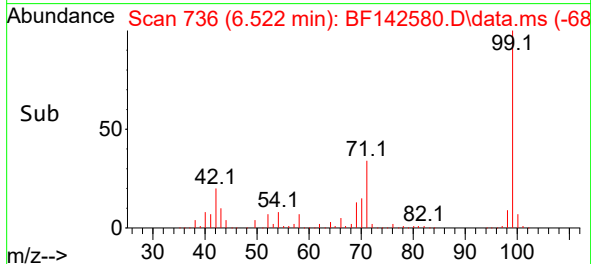
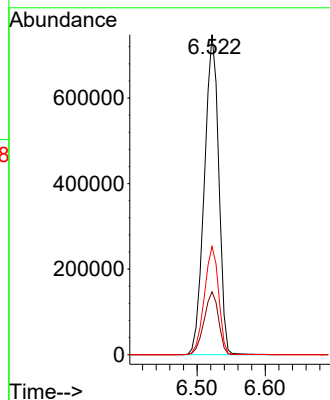
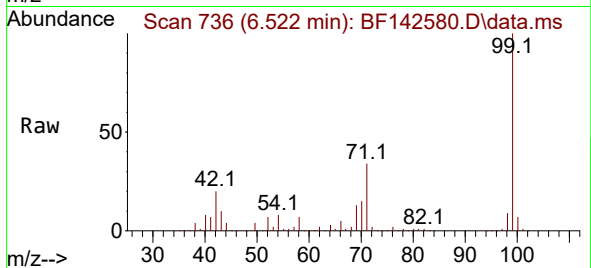




#7
Phenol-d6
Concen: 125.674 ng
RT: 6.522 min Scan# 71
Delta R.T. -0.012 min
Lab File: BF142580.D
Acq: 30 May 2025 20:14

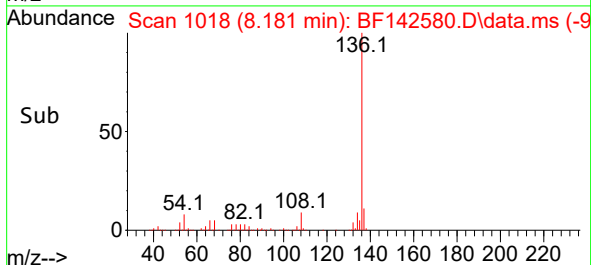
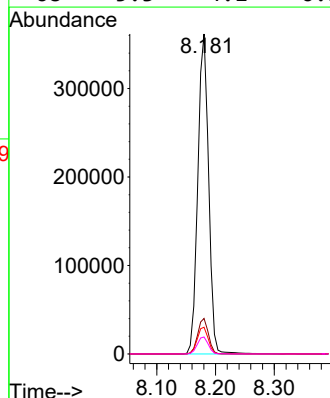
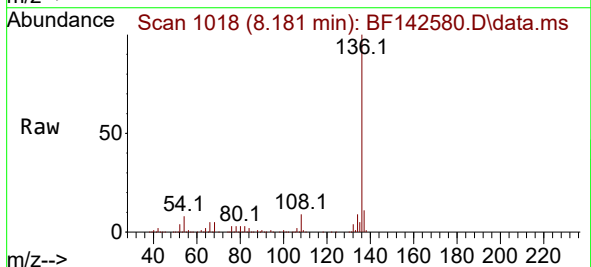
Instrument :
BNA_F
ClientSampleId :
TP-39

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



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.181 min Scan# 1018
Delta R.T. -0.006 min
Lab File: BF142580.D
Acq: 30 May 2025 20:14

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

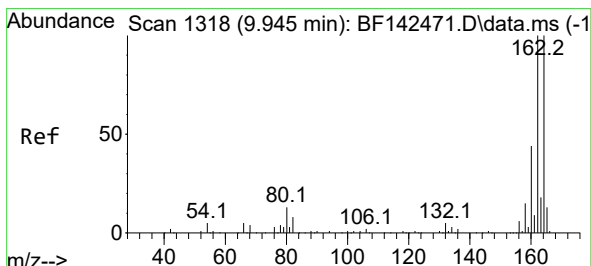
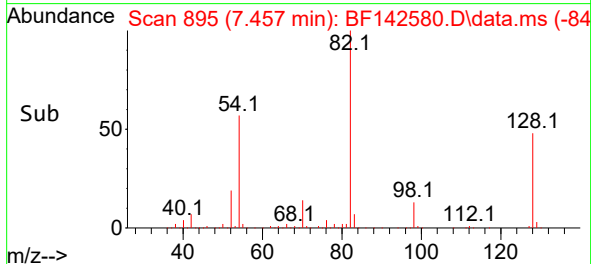
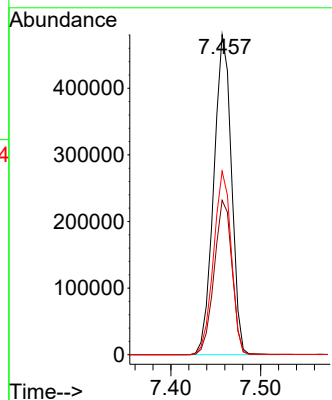
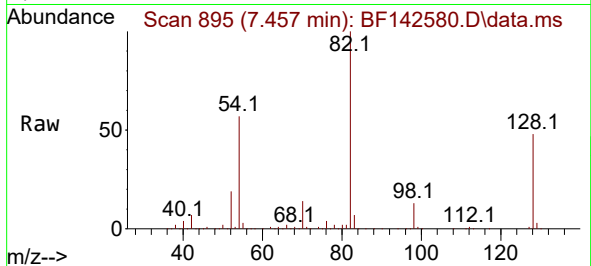




#23
Nitrobenzene-d5
Concen: 77.857 ng
RT: 7.457 min Scan# 895
Delta R.T. -0.018 min
Lab File: BF142580.D
Acq: 30 May 2025 20:14

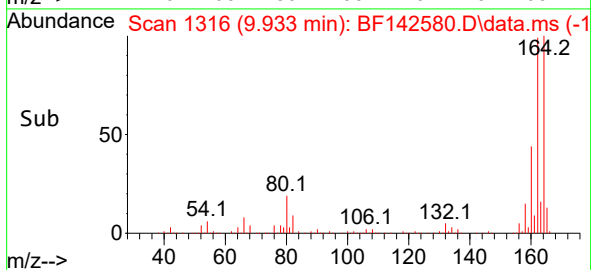
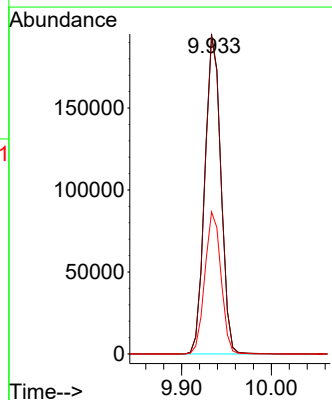
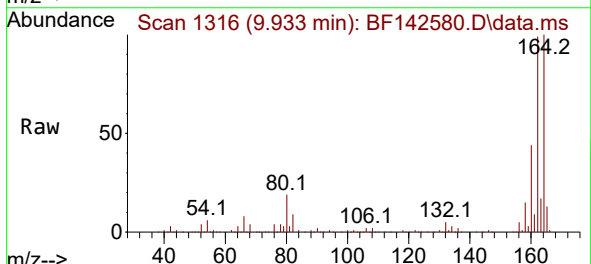
Instrument :
BNA_F
ClientSampleId :
TP-39

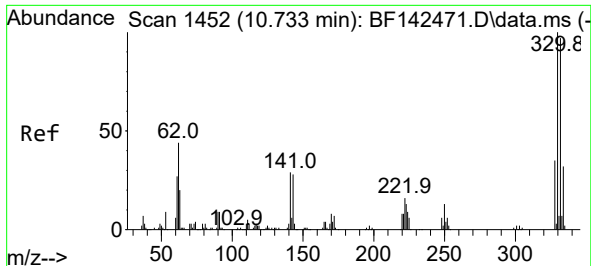
Tgt Ion: 82 Resp: 658106
Ion Ratio Lower Upper
82 100
128 48.2 37.4 56.2
54 57.4 46.6 70.0



#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 :

TP-39

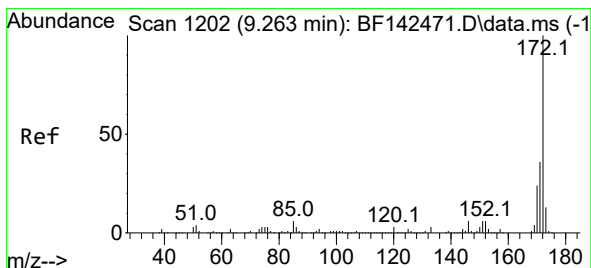
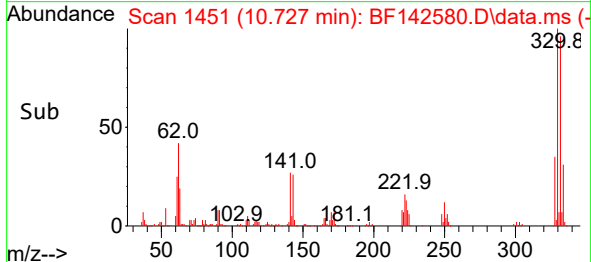
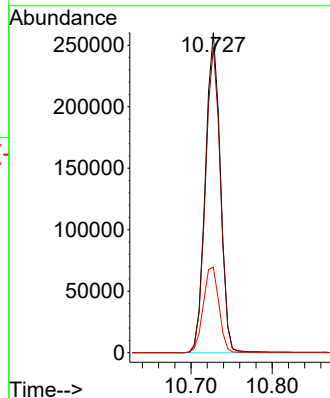
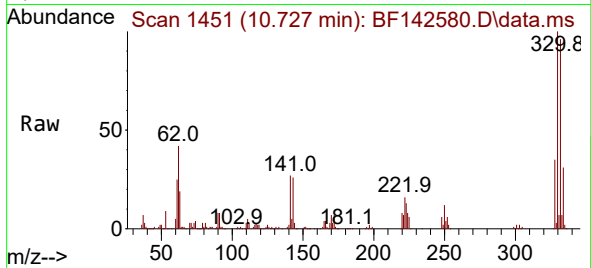
Tgt Ion:330 Resp: 332339

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

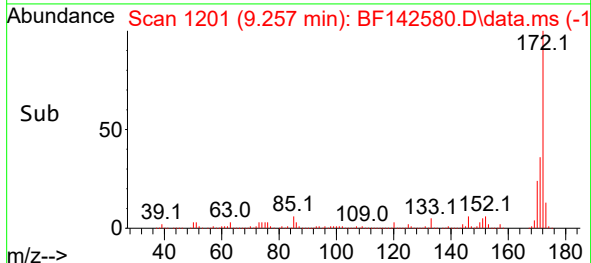
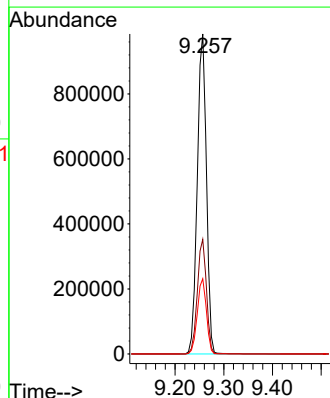
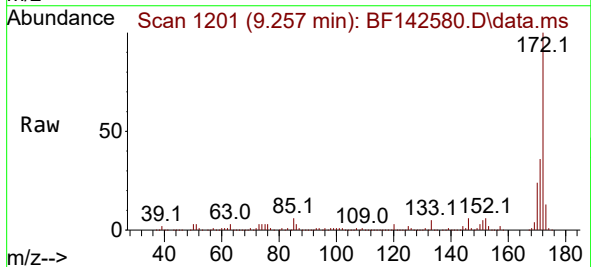
Tgt Ion:172 Resp: 1296910

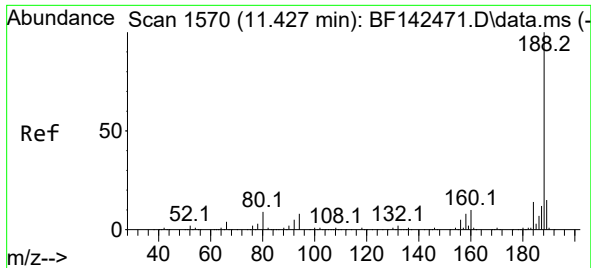
Ion Ratio Lower Upper

172 100

171 35.8 28.6 42.8

170 23.5 18.9 28.3

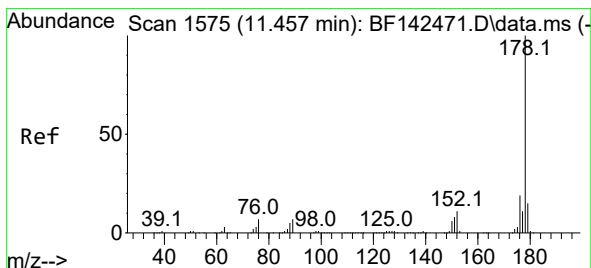
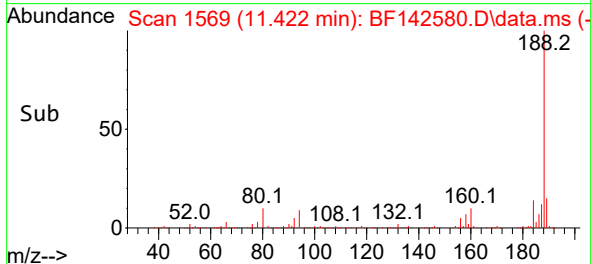
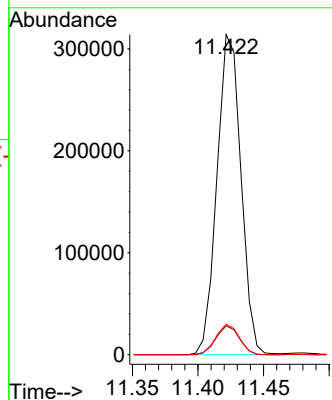
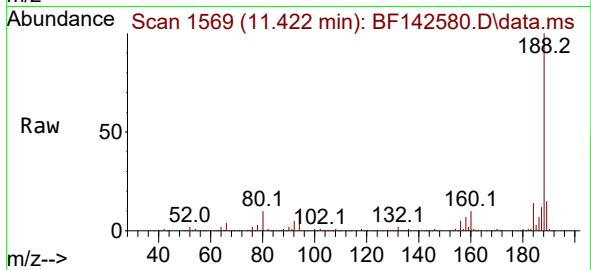




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.422 min Scan# 1569
Delta R.T. -0.012 min
Lab File: BF142580.D
Acq: 30 May 2025 20:14

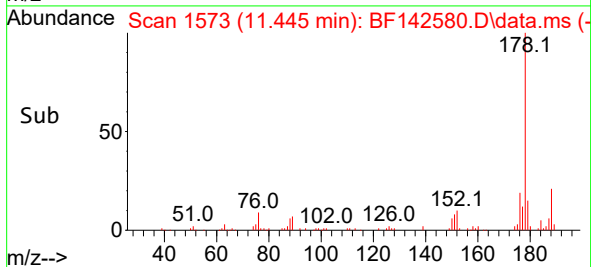
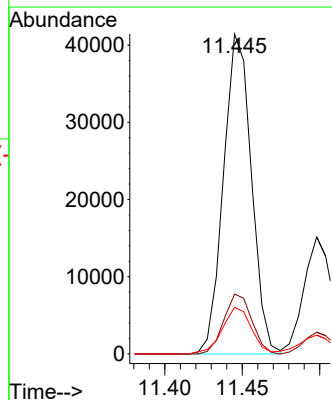
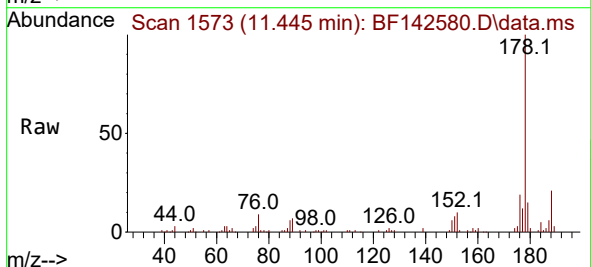
Instrument :
BNA_F
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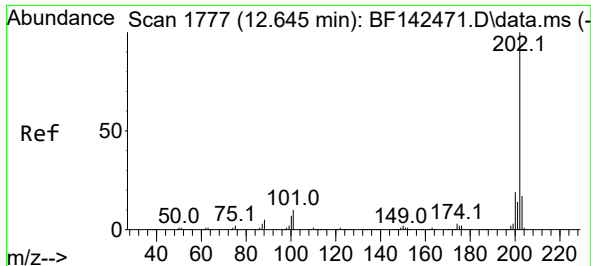
Tgt Ion:188 Resp: 399449
Ion Ratio Lower Upper
188 100
94 9.0 6.6 10.0
80 9.5 7.4 11.0



#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

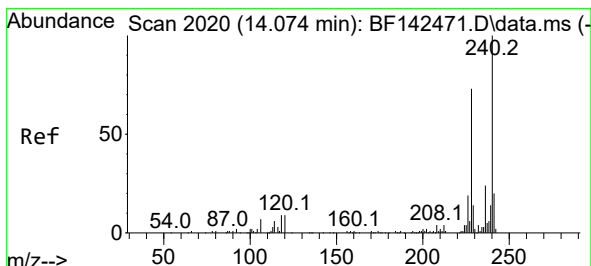
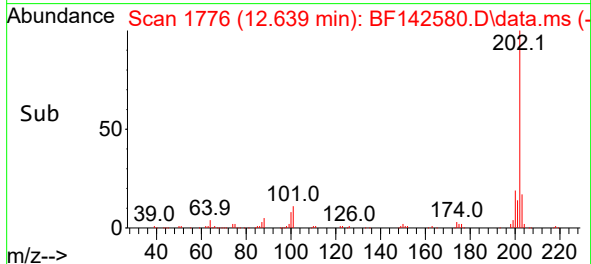
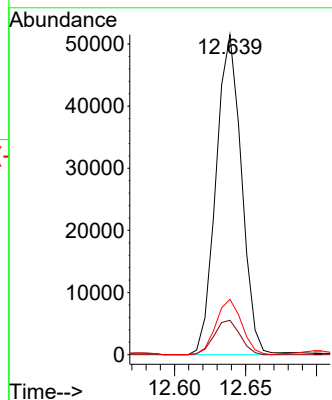
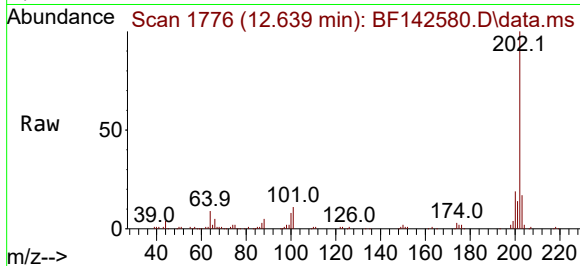




#75
Fluoranthene
Concen: 3.222 ng
RT: 12.639 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF142580.D
Acq: 30 May 2025 20:14

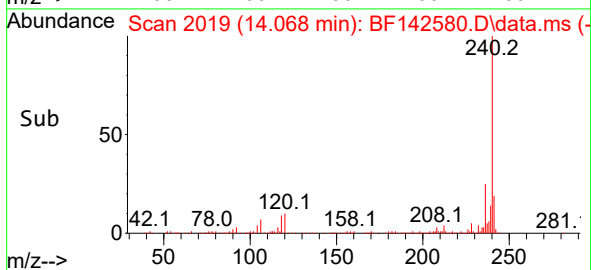
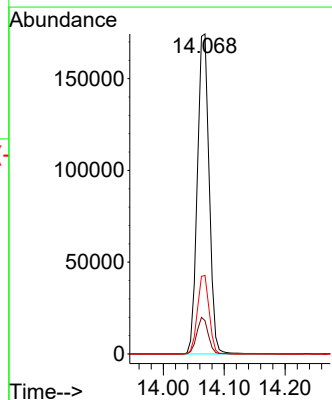
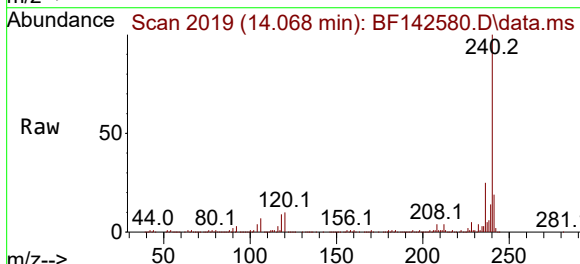
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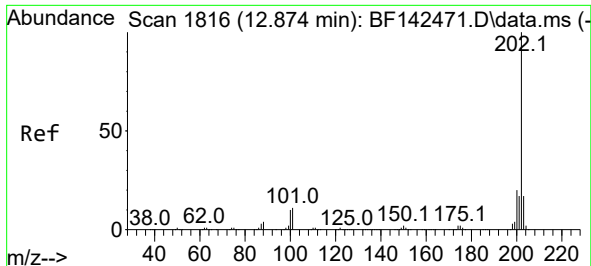
Tgt Ion:202 Resp: 64278
Ion Ratio Lower Upper
202 100
101 10.8 0.0 29.6
203 17.3 0.0 37.2



#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

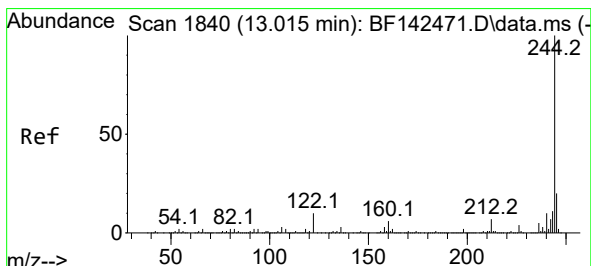
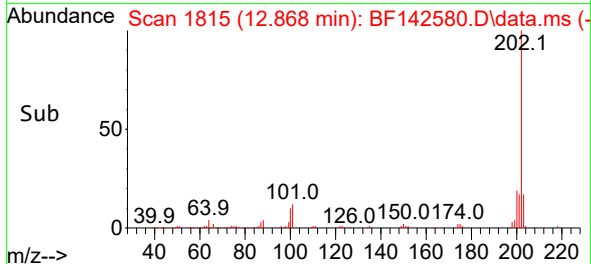
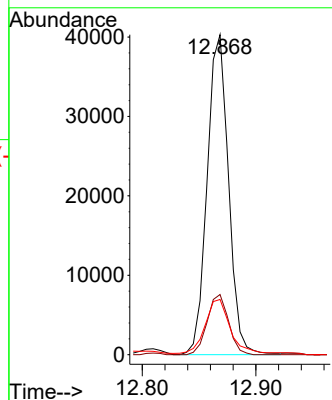
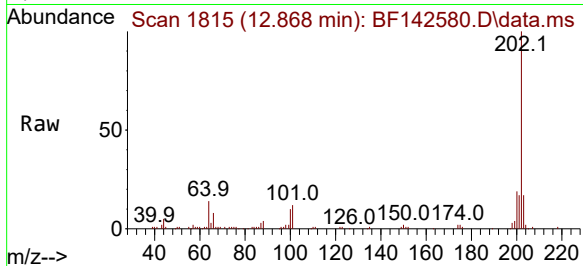




#78
Pyrene
Concen: 2.407 ng
RT: 12.868 min Scan# 1815
Delta R.T. -0.006 min
Lab File: BF142580.D
Acq: 30 May 2025 20:14

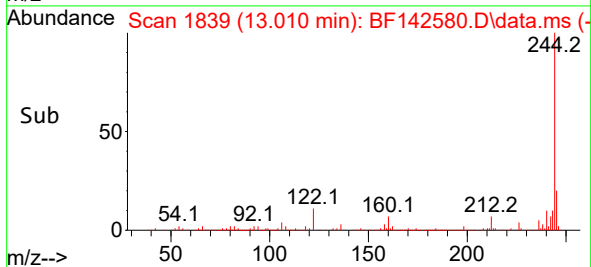
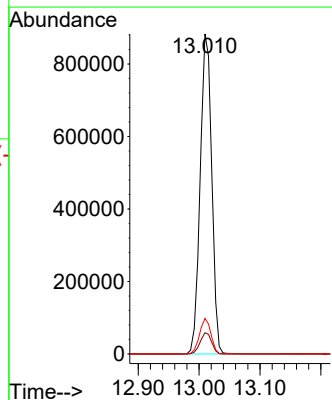
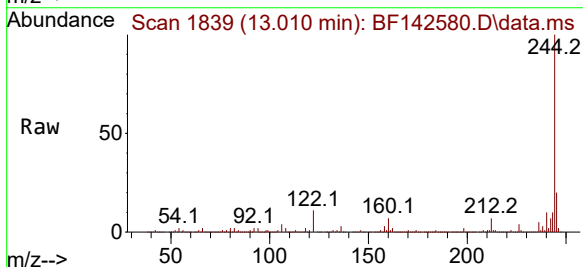
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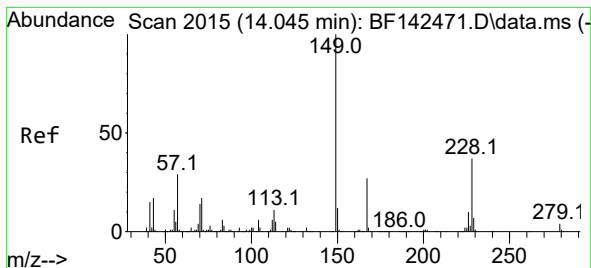
Tgt Ion:202 Resp: 52703
Ion Ratio Lower Upper
202 100
200 18.8 16.1 24.1
203 17.2 13.9 20.9



#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

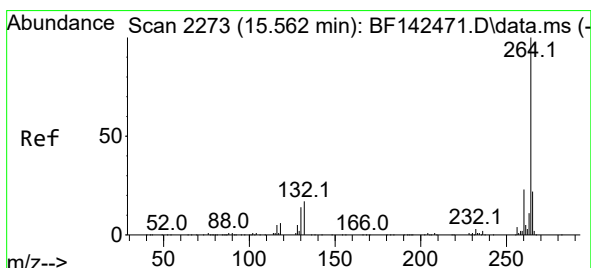
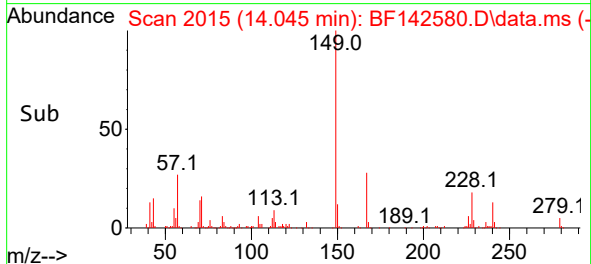
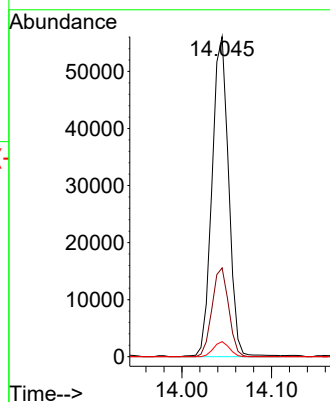
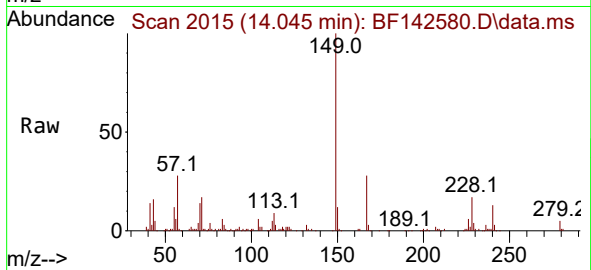




#84
Bis(2-ethylhexyl)phthalate
Concen: 9.319 ng
RT: 14.045 min Scan# 2015
Delta R.T. -0.006 min
Lab File: BF142580.D
Acq: 30 May 2025 20:14

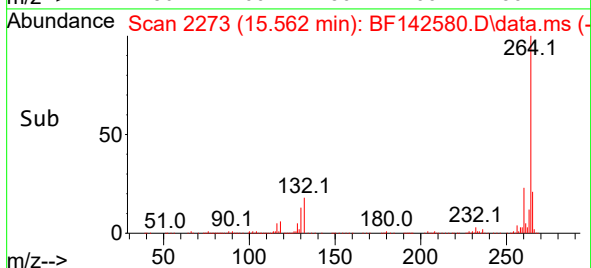
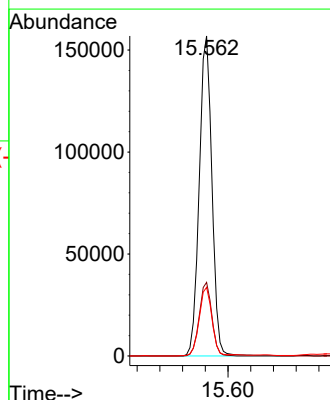
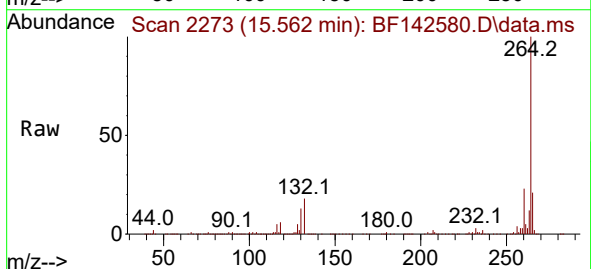
Instrument :
BNA_F
ClientSampleId :
TP-39

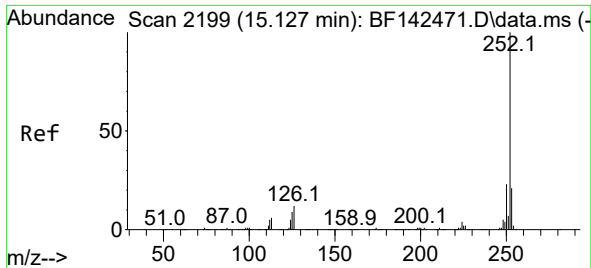
Tgt Ion:149 Resp: 72176
Ion Ratio Lower Upper
149 100
167 27.7 21.5 32.3
279 4.7 3.2 4.8



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.562 min Scan# 2273
Delta R.T. -0.006 min
Lab File: BF142580.D
Acq: 30 May 2025 20:14

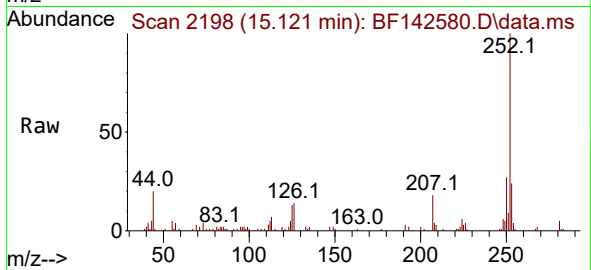
Tgt Ion:264 Resp: 243865
Ion Ratio Lower Upper
264 100
260 23.0 18.6 28.0
265 21.5 17.7 26.5





#88
 Benzo(b)fluoranthene
 Concen: 2.093 ng m
 RT: 15.121 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:252 Resp: 30210
 Ion Ratio Lower Upper
 252 100
 253 23.9 17.0 25.4
 125 12.9 7.4 11.0#

