

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF102225\
 Data File : BF144038.D
 Acq On : 22 Oct 2025 13:24
 Operator : RC/JU
 Sample : Q3393-03
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 PR132-S08-013038-20251017

Quant Time: Oct 22 13:44:37 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF100625.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Oct 06 15:29:47 2025
 Response via : Initial Calibration

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

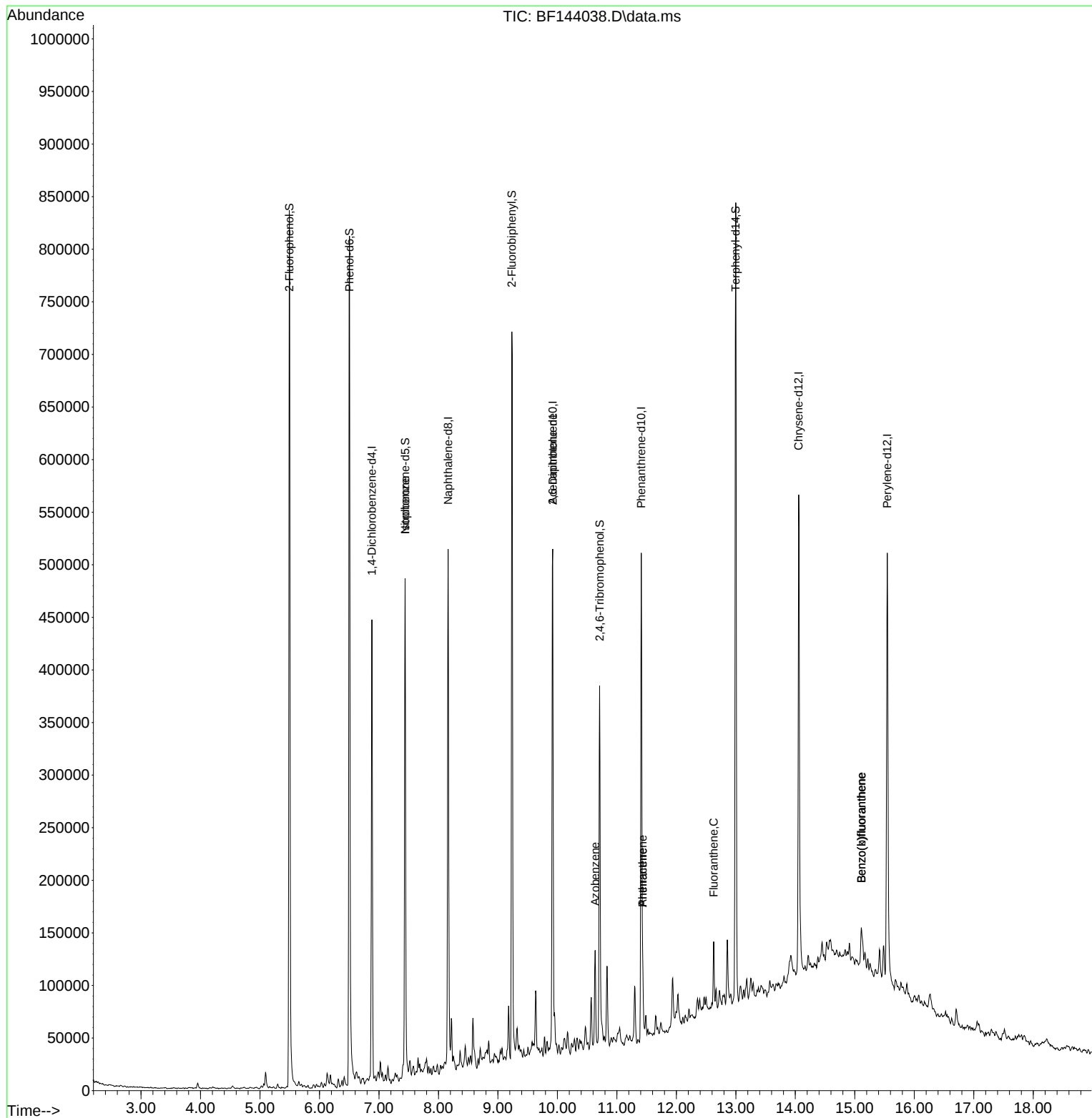
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.881	152	87568	20.000	ng	0.00
21) Naphthalene-d8	8.163	136	316694	20.000	ng	0.00
39) Acenaphthene-d10	9.922	164	154579	20.000	ng	0.00
64) Phenanthrene-d10	11.410	188	247206	20.000	ng	0.00
76) Chrysene-d12	14.057	240	223252	20.000	ng	-0.01
86) Perylene-d12	15.545	264	266238	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.492	112	347203	62.963	ng	0.00
7) Phenol-d6	6.504	99	388128	59.050	ng	-0.01
23) Nitrobenzene-d5	7.439	82	205152	39.357	ng	-0.02
42) 2,4,6-Tribromophenol	10.710	330	63642	41.336	ng	-0.01
45) 2-Fluorobiphenyl	9.233	172	350427	35.971	ng	-0.02
79) Terphenyl-d14	12.998	244	385192	29.488	ng	-0.01
Target Compounds						
						Qvalue
25) Isophorone	7.439	82	171863	15.637	ng	# 68
51) 2,6-Dinitrotoluene	9.922	165	21467	11.793	ng	# 25
63) Azobenzene	10.633	77	24403	2.560	ng	# 1
71) Phenanthrene	11.433	178	36558	3.050	ng	98
72) Anthracene	11.433	178	36558	3.019	ng	97
75) Fluoranthene	12.627	202	36459	2.945	ng	96
88) Benzo(b)fluoranthene	15.110	252	31073	2.032	ng	# 91
89) Benzo(k)fluoranthene	15.110	252	31073	2.196	ng	# 92

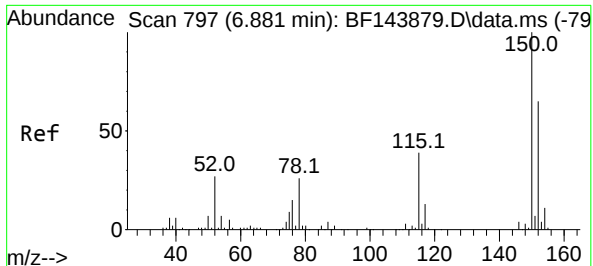
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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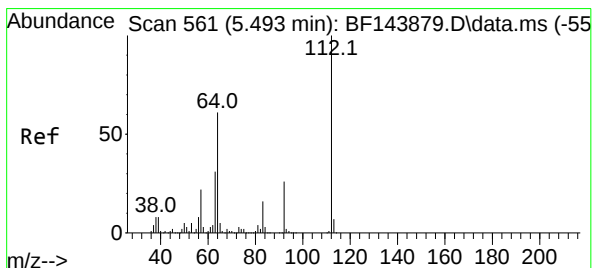
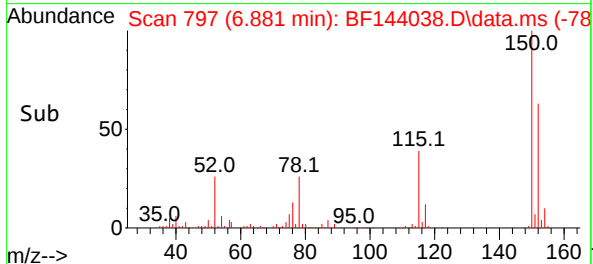
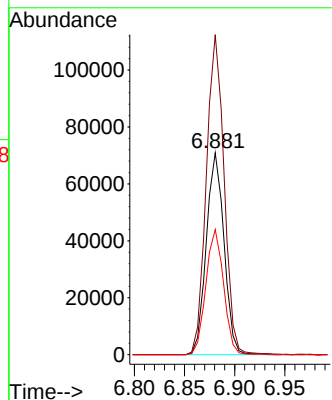
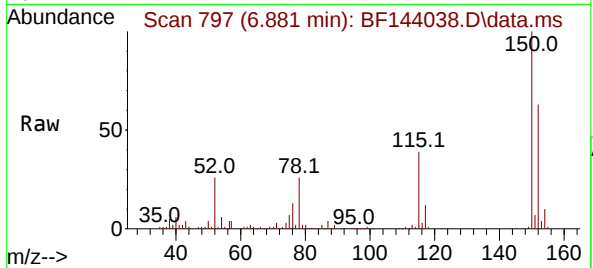




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.881 min Scan# 797
Delta R.T. -0.005 min
Lab File: BF144038.D
Acq: 22 Oct 2025 13:24

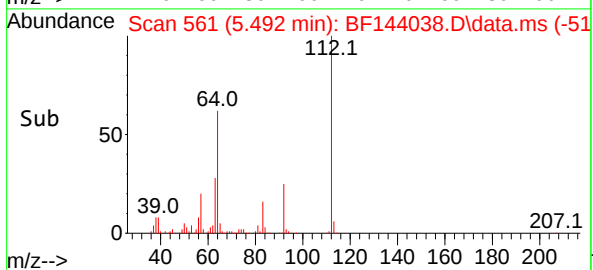
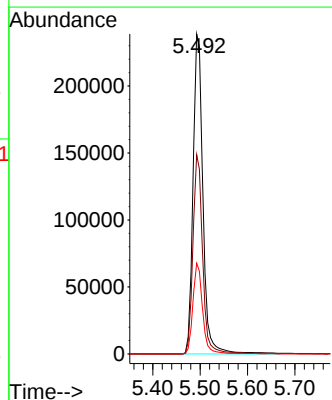
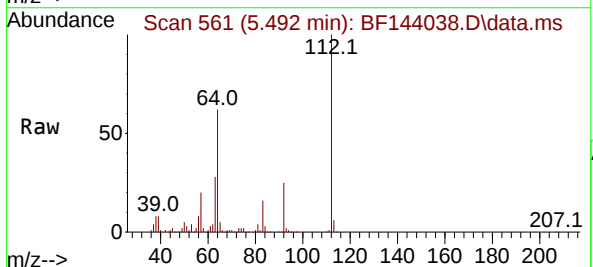
Instrument :
BNA_F
ClientSampleId :
PR132-S08-013038-20251017

Tgt Ion:152 Resp: 87568
Ion Ratio Lower Upper
152 100
150 158.5 124.4 186.6
115 61.9 48.1 72.1



#5
2-Fluorophenol
Concen: 62.963 ng
RT: 5.492 min Scan# 561
Delta R.T. -0.006 min
Lab File: BF144038.D
Acq: 22 Oct 2025 13:24

Tgt Ion:112 Resp: 347203
Ion Ratio Lower Upper
112 100
64 62.3 49.1 73.7
63 28.4 24.5 36.7

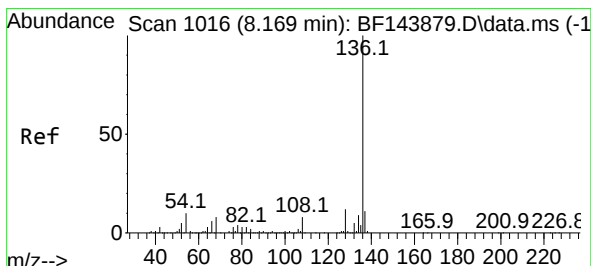
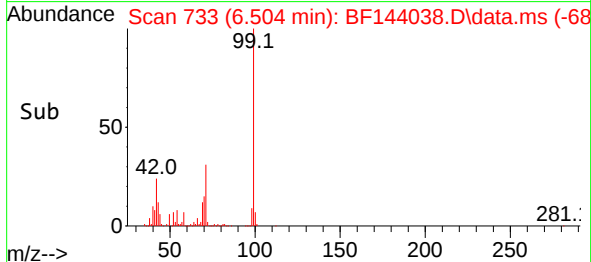
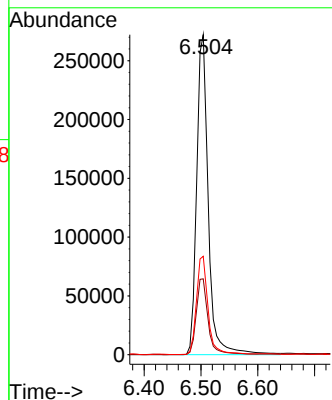
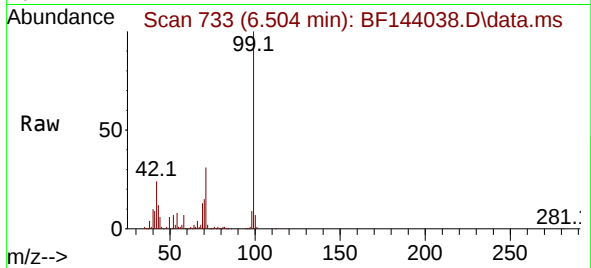




#7
Phenol-d6
Concen: 59.050 ng
RT: 6.504 min Scan# 71
Delta R.T. -0.012 min
Lab File: BF144038.D
Acq: 22 Oct 2025 13:24

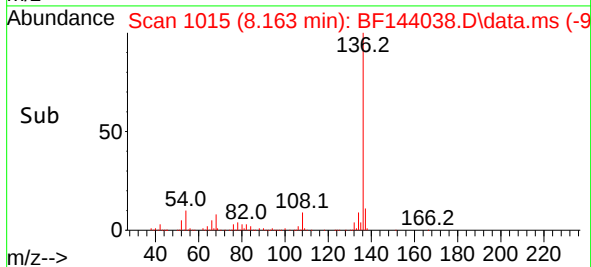
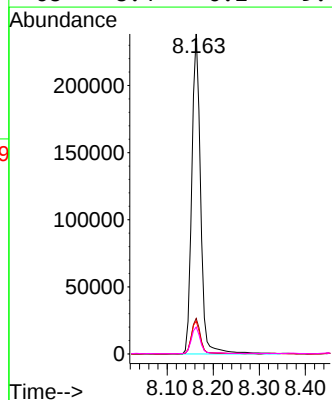
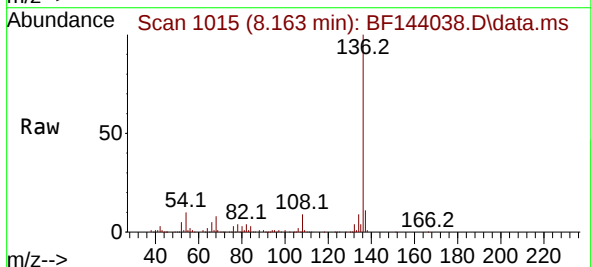
Instrument :
BNA_F
ClientSampleId :
PR132-S08-013038-20251017

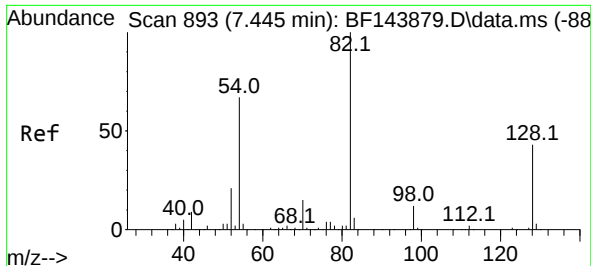
Tgt Ion:	99	Resp:	388128
Ion	Ratio	Lower	Upper
99	100		
42	23.7	21.0	31.4
71	30.7	27.8	41.8



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.163 min Scan# 1015
Delta R.T. -0.006 min
Lab File: BF144038.D
Acq: 22 Oct 2025 13:24

Tgt Ion:	136	Resp:	316694
Ion	Ratio	Lower	Upper
136	100		
137	11.1	8.5	12.7
54	10.3	8.2	12.4
68	8.4	6.2	9.4

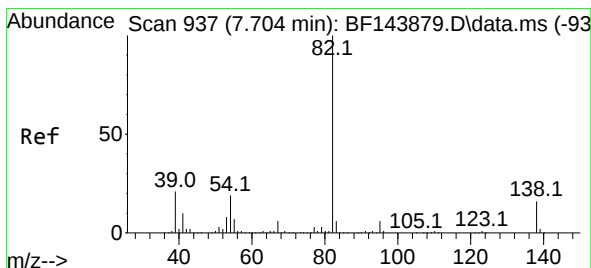
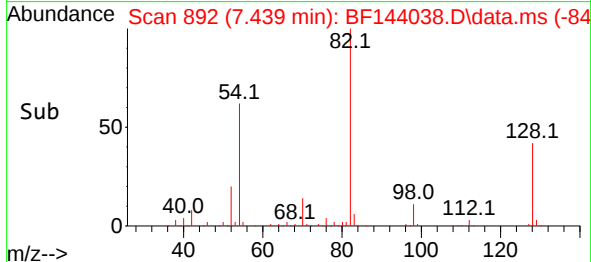
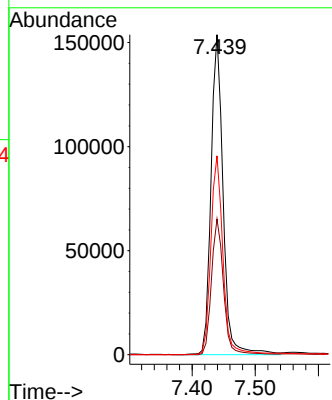
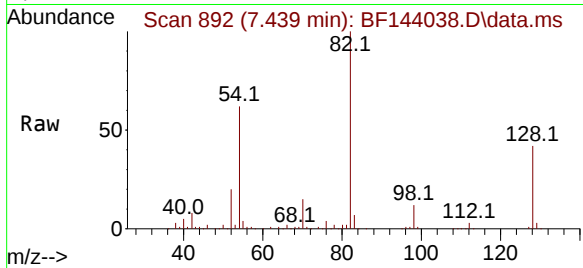




#23
Nitrobenzene-d5
Concen: 39.357 ng
RT: 7.439 min Scan# 892
Delta R.T. -0.018 min
Lab File: BF144038.D
Acq: 22 Oct 2025 13:24

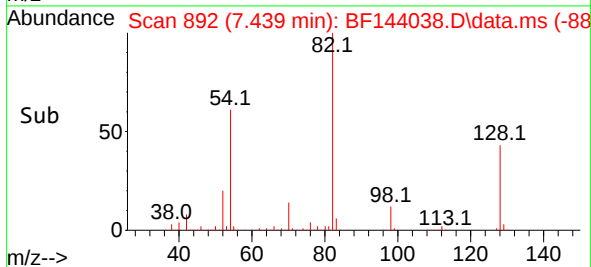
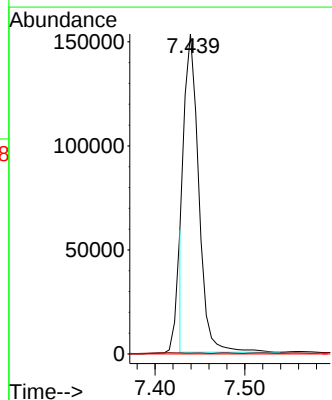
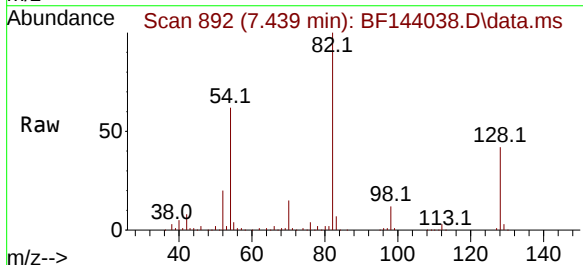
Instrument :
BNA_F
ClientSampleId :
PR132-S08-013038-20251017

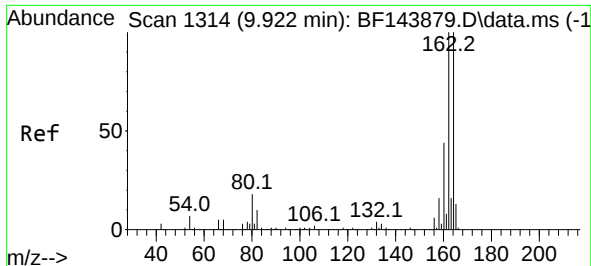
Tgt Ion: 82 Resp: 205152
Ion Ratio Lower Upper
82 100
128 42.4 34.0 51.0
54 62.1 53.2 79.8



#25
Isophorone
Concen: 15.637 ng
RT: 7.439 min Scan# 892
Delta R.T. -0.282 min
Lab File: BF144038.D
Acq: 22 Oct 2025 13:24

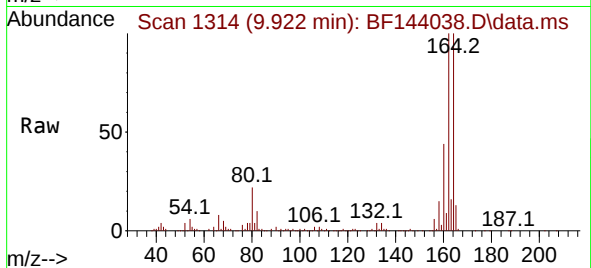
Tgt Ion: 82 Resp: 171863
Ion Ratio Lower Upper
82 100
95 0.2 5.1 7.7#
138 0.0 12.9 19.3#



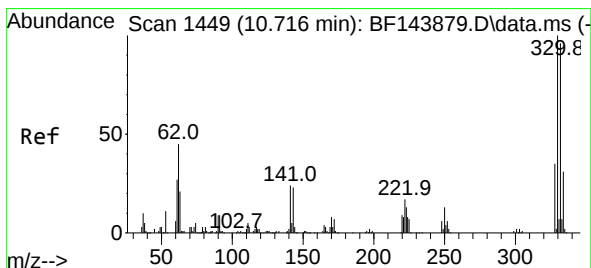
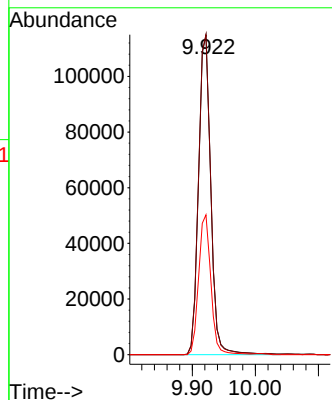
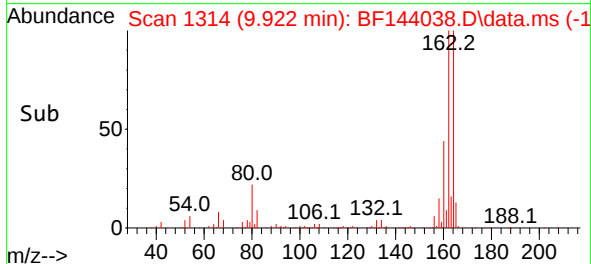


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.922 min Scan# 11
Delta R.T. -0.005 min
Lab File: BF144038.D
Acq: 22 Oct 2025 13:24

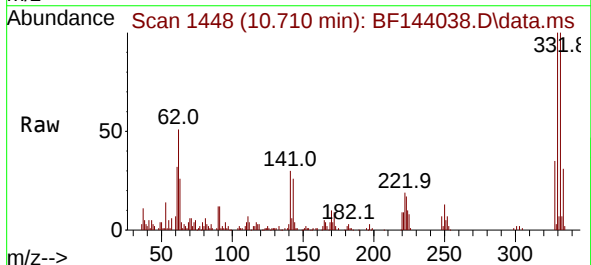
Instrument :
BNA_F
ClientSampleId :
PR132-S08-013038-20251017



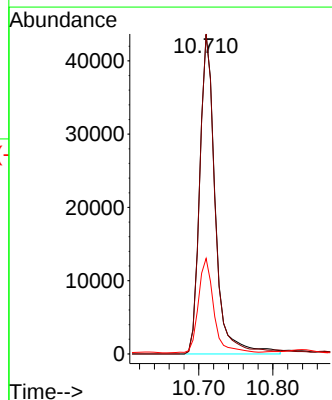
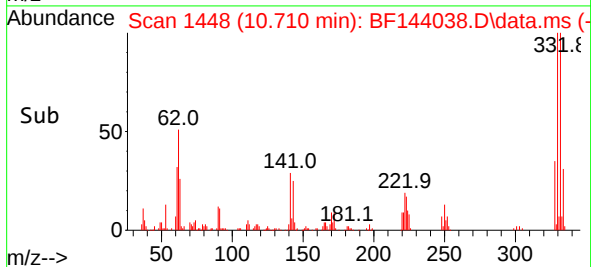
Tgt Ion:164 Resp: 154579
Ion Ratio Lower Upper
164 100
162 100.1 80.2 120.2
160 43.8 35.4 53.0

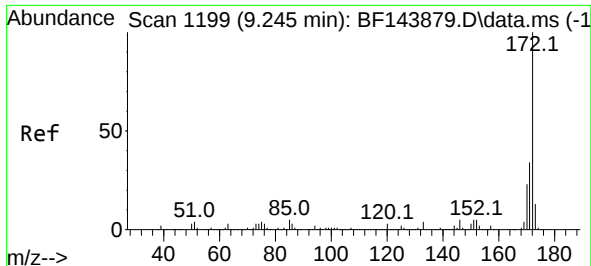


#42
2,4,6-Tribromophenol
Concen: 41.336 ng
RT: 10.710 min Scan# 1448
Delta R.T. -0.012 min
Lab File: BF144038.D
Acq: 22 Oct 2025 13:24



Tgt Ion:330 Resp: 63642
Ion Ratio Lower Upper
330 100
332 100.0 76.9 115.3
141 29.2 20.2 30.4

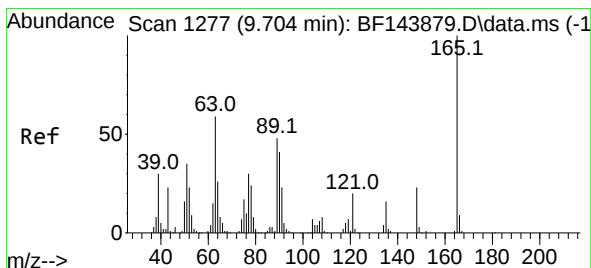
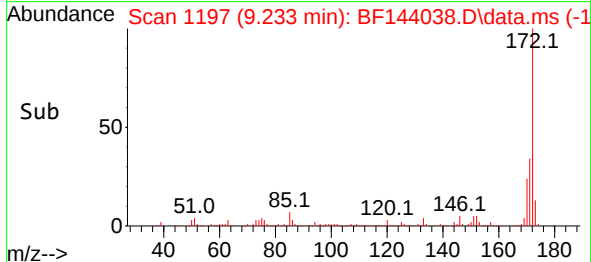
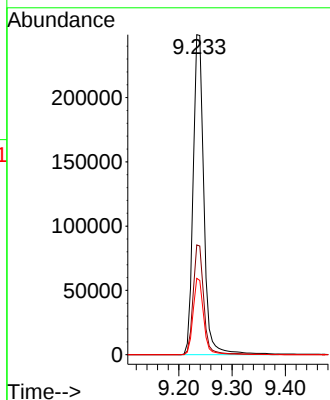
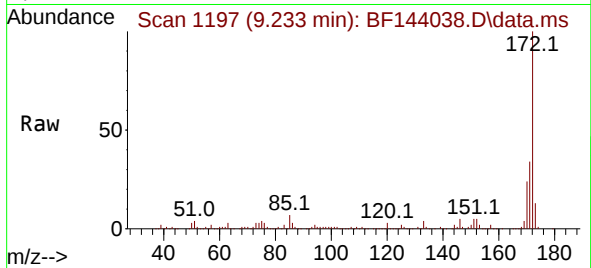




#45
2-Fluorobiphenyl
Concen: 35.971 ng
RT: 9.233 min Scan# 1197
Delta R.T. -0.018 min
Lab File: BF144038.D
Acq: 22 Oct 2025 13:24

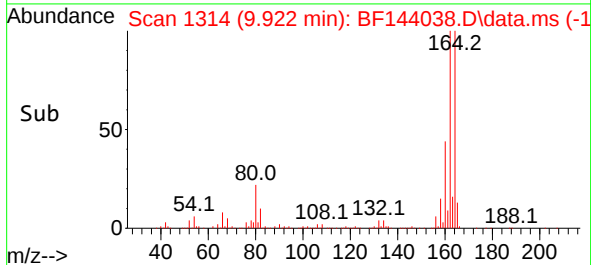
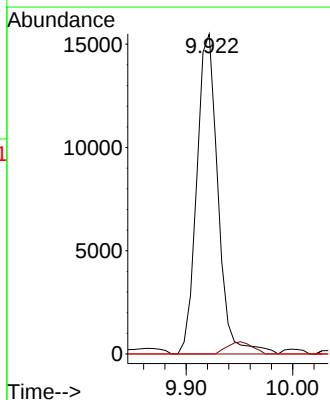
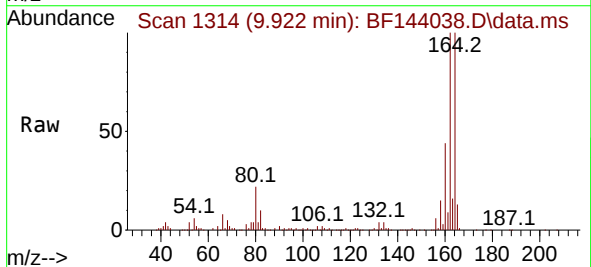
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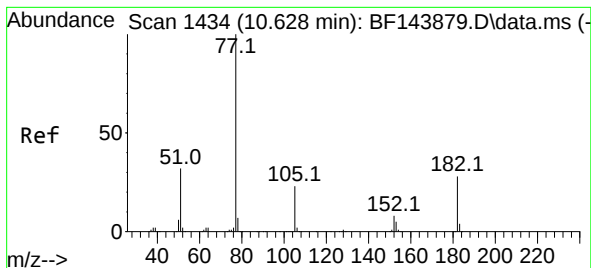
Tgt Ion:172 Resp: 350427
Ion Ratio Lower Upper
172 100
171 34.3 27.4 41.0
170 23.8 18.6 28.0



#51
2,6-Dinitrotoluene
Concen: 11.793 ng
RT: 9.922 min Scan# 1314
Delta R.T. 0.206 min
Lab File: BF144038.D
Acq: 22 Oct 2025 13:24

Tgt Ion:165 Resp: 21467
Ion Ratio Lower Upper
165 100
63 0.0 47.3 70.9#
89 0.0 38.2 57.4#





#63

Azobenzene

Concen: 2.560 ng

RT: 10.633 min Scan# 1434

Delta R.T. 0.000 min

Lab File: BF144038.D

Acq: 22 Oct 2025 13:24

Instrument :

BNA_F

ClientSampleId :

PR132-S08-013038-20251017

Tgt Ion: 77 Resp: 24403

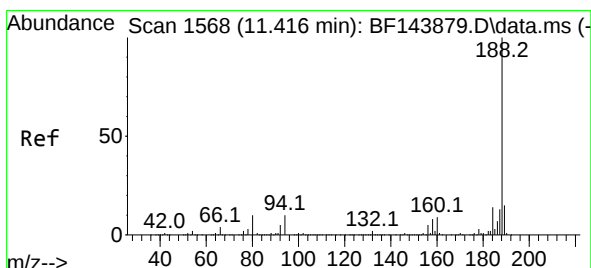
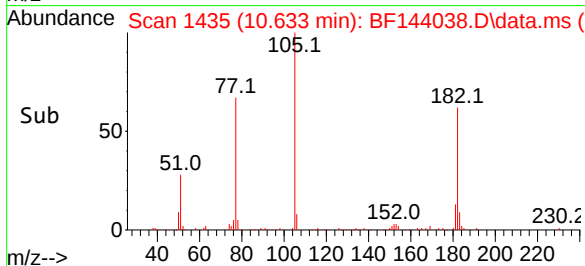
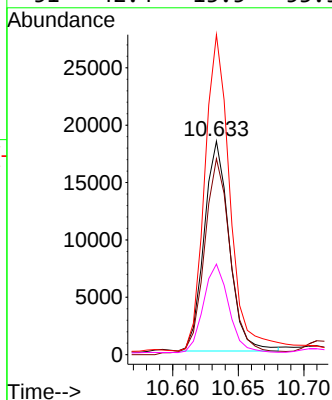
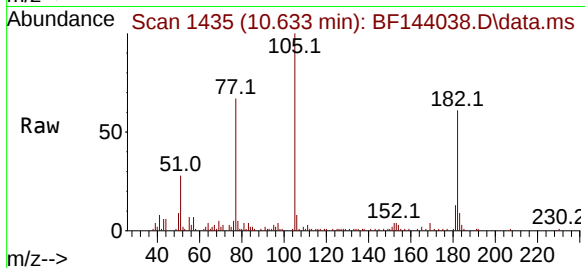
Ion Ratio Lower Upper

77 100

182 91.8 7.3 47.3#

105 149.9 3.0 43.0#

51 42.4 13.5 53.5



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.410 min Scan# 1567

Delta R.T. -0.006 min

Lab File: BF144038.D

Acq: 22 Oct 2025 13:24

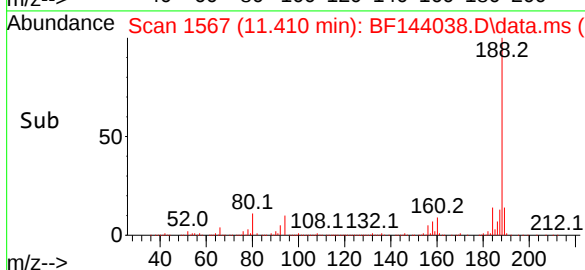
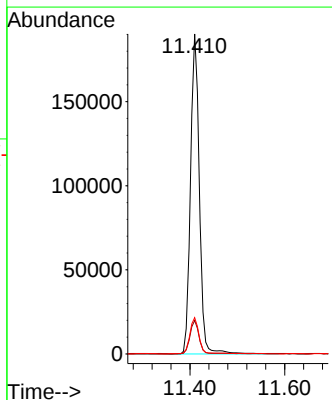
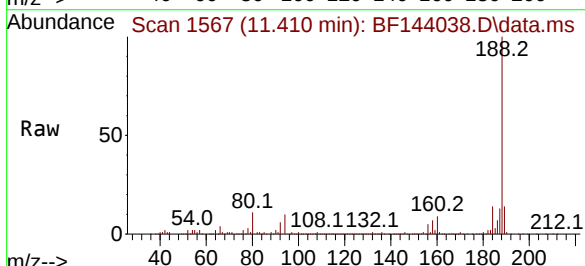
Tgt Ion: 188 Resp: 247206

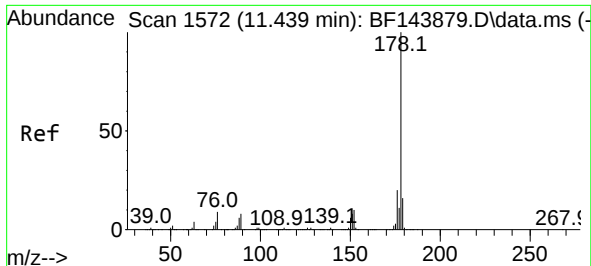
Ion Ratio Lower Upper

188 100

94 10.5 7.8 11.6

80 11.3 7.9 11.9

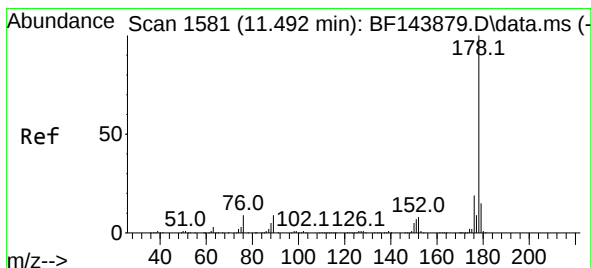
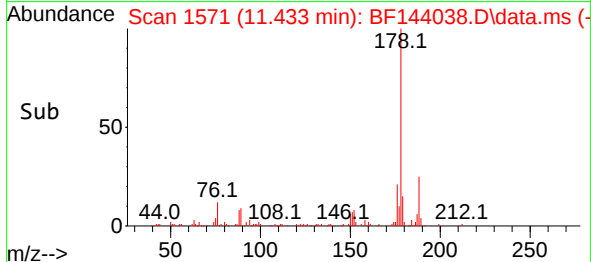
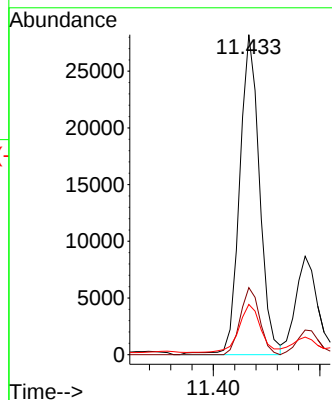
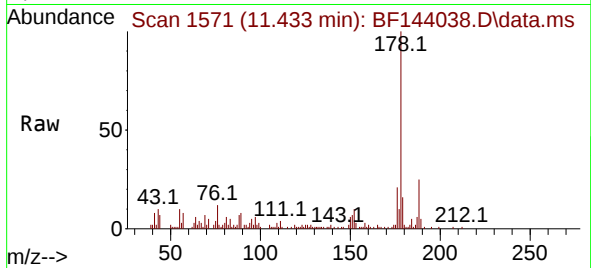




#71
Phenanthrene
Concen: 3.050 ng
RT: 11.433 min Scan# 1571
Delta R.T. -0.012 min
Lab File: BF144038.D
Acq: 22 Oct 2025 13:24

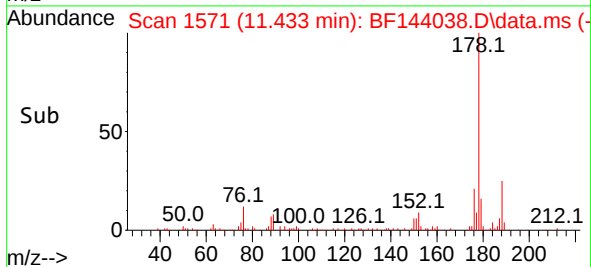
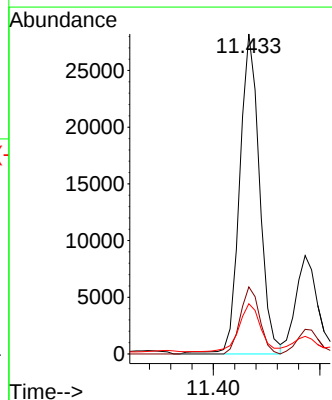
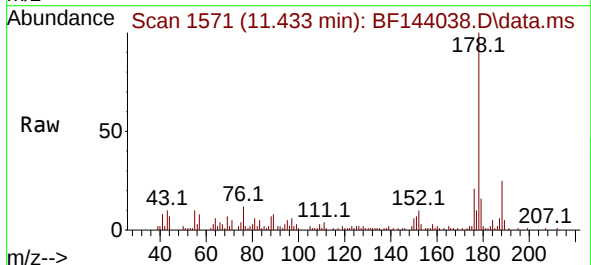
Instrument :
BNA_F
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PR132-S08-013038-20251017

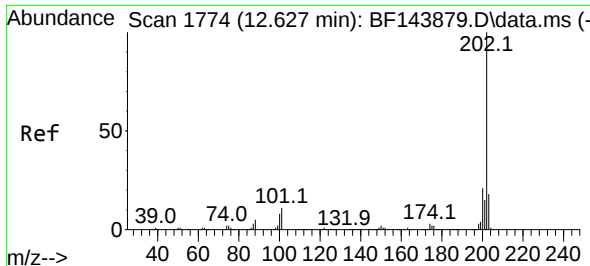
Tgt Ion:178 Resp: 36558
Ion Ratio Lower Upper
178 100
176 21.0 15.9 23.9
179 15.7 12.4 18.6



#72
Anthracene
Concen: 3.019 ng
RT: 11.433 min Scan# 1571
Delta R.T. -0.065 min
Lab File: BF144038.D
Acq: 22 Oct 2025 13:24

Tgt Ion:178 Resp: 36558
Ion Ratio Lower Upper
178 100
176 21.0 14.9 22.3
179 15.7 12.2 18.2

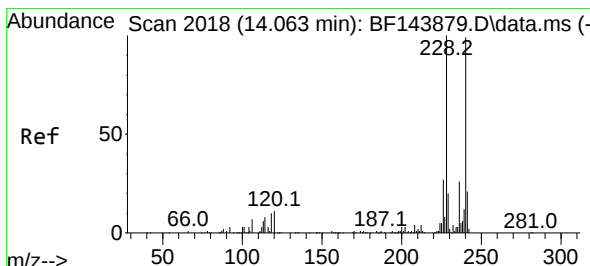
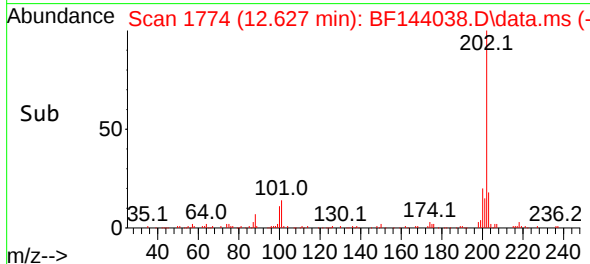
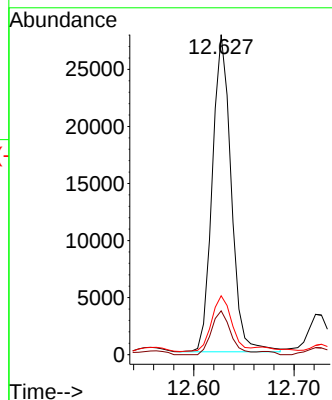
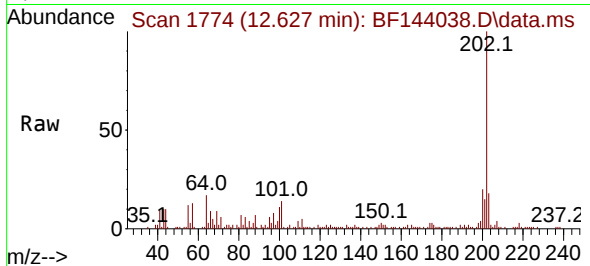




#75
Fluoranthene
Concen: 2.945 ng
RT: 12.627 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF144038.D
Acq: 22 Oct 2025 13:24

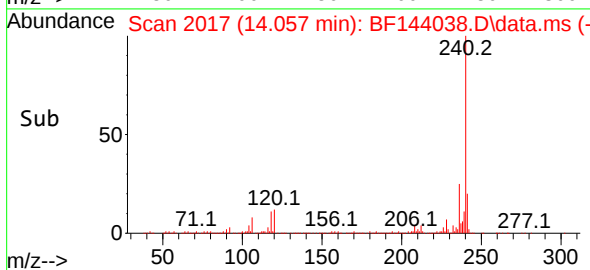
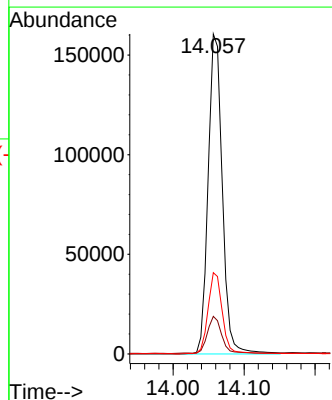
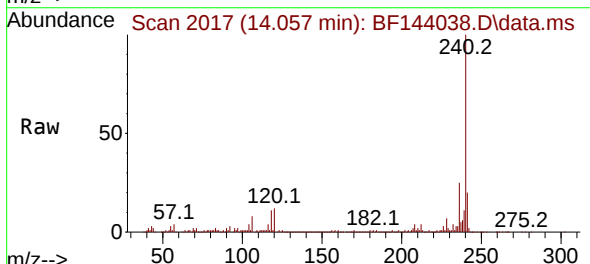
Instrument :
BNA_F
ClientSampleId :
PR132-S08-013038-20251017

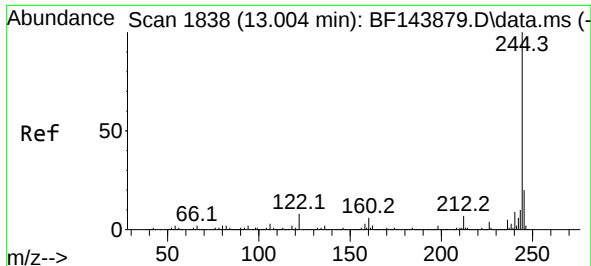
Tgt Ion:202 Resp: 36459
Ion Ratio Lower Upper
202 100
101 13.7 0.0 30.7
203 18.4 0.0 37.8



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.057 min Scan# 2017
Delta R.T. -0.011 min
Lab File: BF144038.D
Acq: 22 Oct 2025 13:24

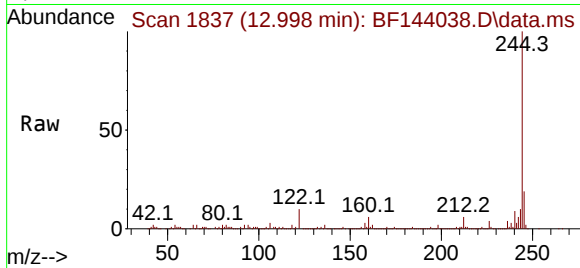
Tgt Ion:240 Resp: 223252
Ion Ratio Lower Upper
240 100
120 11.8 8.6 13.0
236 25.4 21.1 31.7



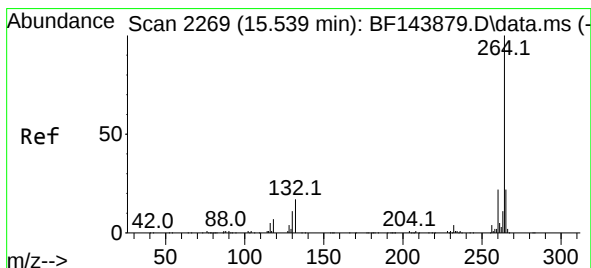
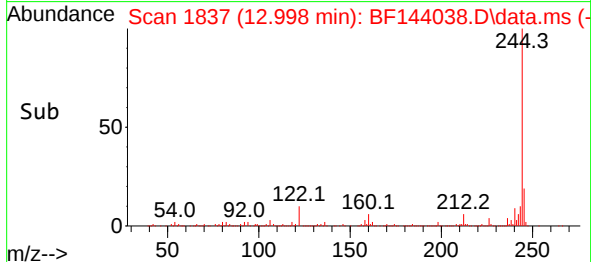
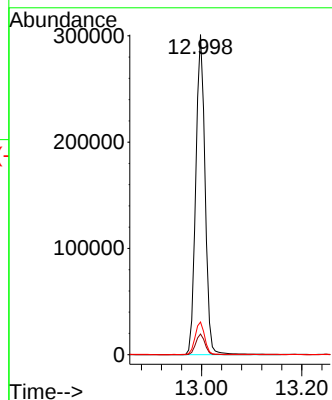


#79
 Terphenyl-d14
 Concen: 29.488 ng
 RT: 12.998 min Scan# 11
 Delta R.T. -0.012 min
 Lab File: BF144038.D
 Acq: 22 Oct 2025 13:24

Instrument :
 BNA_F
 ClientSampleId :
 PR132-S08-013038-20251017

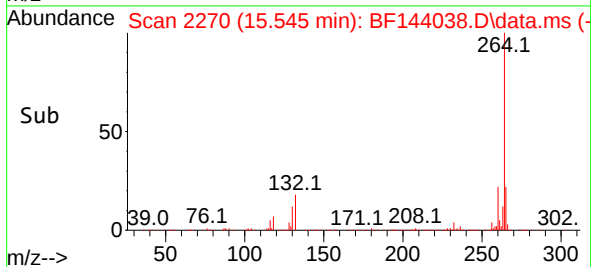
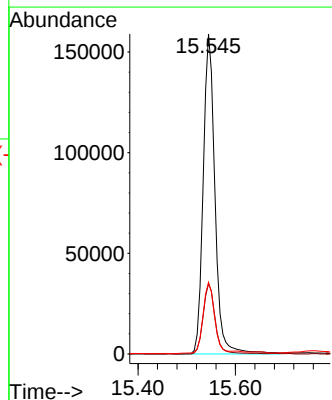
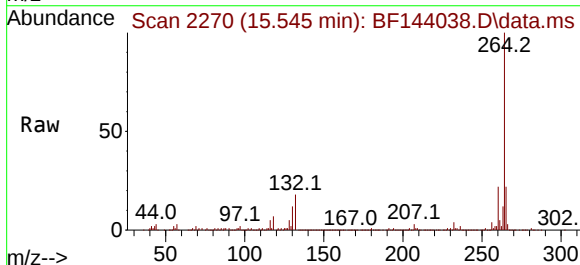


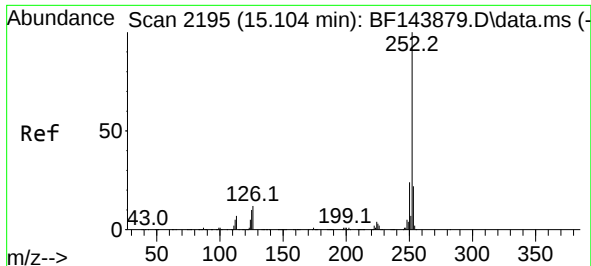
Tgt Ion:244 Resp: 385192
 Ion Ratio Lower Upper
 244 100
 212 6.4 5.4 8.0
 122 10.2 6.4 9.6#



#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.545 min Scan# 2270
 Delta R.T. 0.000 min
 Lab File: BF144038.D
 Acq: 22 Oct 2025 13:24

Tgt Ion:264 Resp: 266238
 Ion Ratio Lower Upper
 264 100
 260 22.0 17.8 26.8
 265 22.4 17.5 26.3

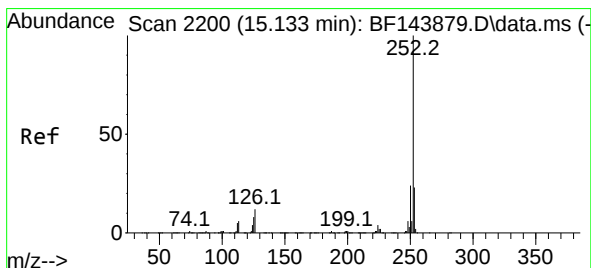
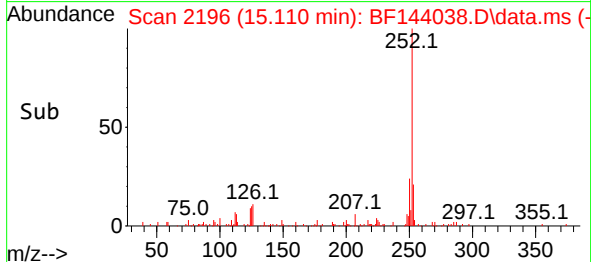
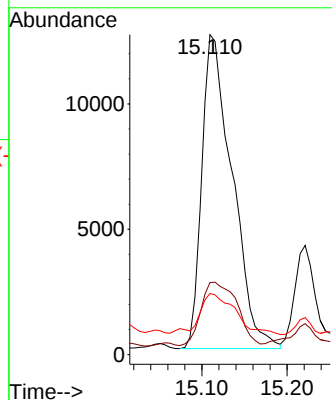
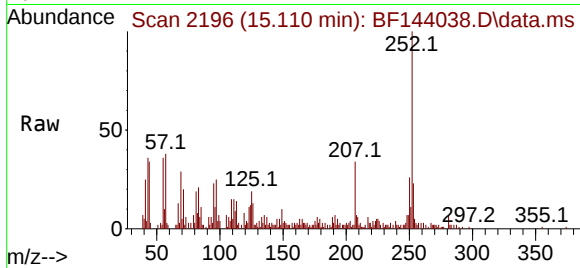




#88
Benzo(b)fluoranthene
Concen: 2.032 ng
RT: 15.110 min Scan# 2195
Delta R.T. -0.006 min
Lab File: BF144038.D
Acq: 22 Oct 2025 13:24

Instrument :
BNA_F
ClientSampleId :
PR132-S08-013038-20251017

Tgt Ion:252 Resp: 31073
Ion Ratio Lower Upper
252 100
253 22.5 17.4 26.2
125 19.1 7.8 11.6#



#89
Benzo(k)fluoranthene
Concen: 2.196 ng
RT: 15.110 min Scan# 2196
Delta R.T. -0.035 min
Lab File: BF144038.D
Acq: 22 Oct 2025 13:24

Tgt Ion:252 Resp: 31073
Ion Ratio Lower Upper
252 100
253 22.5 17.8 26.8
125 19.1 7.4 11.2#

