

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF102925\
 Data File : BF144129.D
 Acq On : 29 Oct 2025 15:32
 Operator : RC/JU
 Sample : Q3469-01
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TP-13

Quant Time: Oct 29 15:56:20 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF102425.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Oct 24 17:30:25 2025
 Response via : Initial Calibration

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

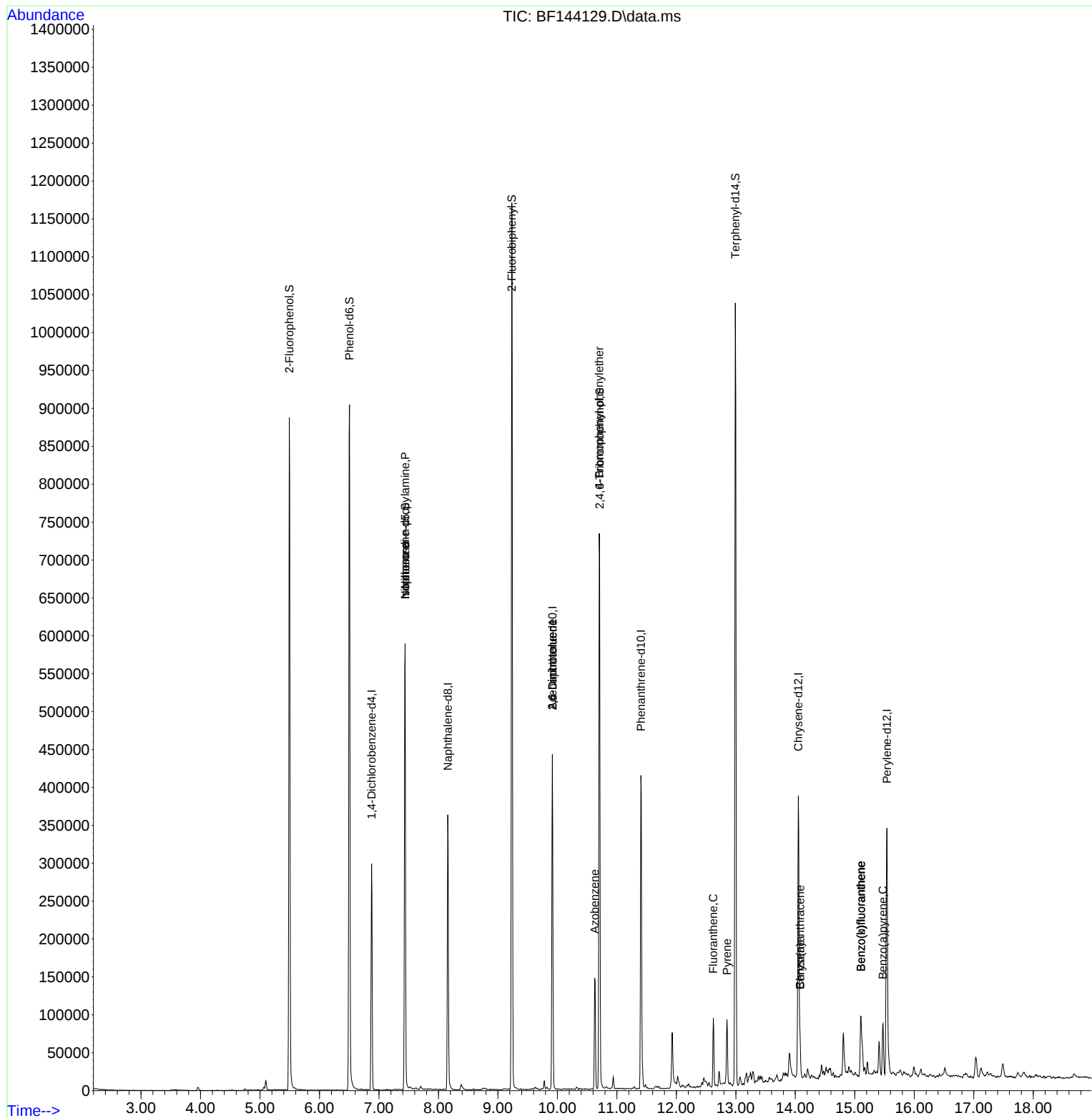
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.875	152	61438	20.000	ng	0.00
21) Naphthalene-d8	8.157	136	234380	20.000	ng	0.00
39) Acenaphthene-d10	9.916	164	134922	20.000	ng	0.00
64) Phenanthrene-d10	11.404	188	228489	20.000	ng	# 0.00
76) Chrysene-d12	14.051	240	168291	20.000	ng	0.00
86) Perylene-d12	15.539	264	215048	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.492	112	334395	86.111	ng	0.00
7) Phenol-d6	6.504	99	391044	91.180	ng	0.00
23) Nitrobenzene-d5	7.439	82	248572	58.105	ng	0.00
42) 2,4,6-Tribromophenol	10.710	330	149001	86.697	ng	0.00
45) 2-Fluorobiphenyl	9.233	172	532104	55.498	ng	0.00
79) Terphenyl-d14	12.992	244	542545	56.360	ng	0.00
Target Compounds						
						Qvalue
19) n-Nitroso-di-n-propyla...	7.439	70	37815	13.635	ng	# 70
25) Isophorone	7.439	82	248570	33.234	ng	# 66
51) 2,6-Dinitrotoluene	9.916	165	17391	9.947	ng	# 22
57) 2,4-Dinitrotoluene	9.916	165	17391	7.370	ng	# 25
63) Azobenzene	10.627	77	36199	4.599	ng	# 1
67) 4-Bromophenyl-phenylether	10.704	248	8461	2.958	ng	# 1
75) Fluoranthene	12.621	202	54047	4.310	ng	97
78) Pyrene	12.851	202	54256	4.484	ng	97
81) Benzo(a)anthracene	14.080	228	30694	2.699	ng	95
83) Chrysene	14.080	228	30694	2.876	ng	98
88) Benzo(b)fluoranthene	15.104	252	74802	6.153	ng	97
89) Benzo(k)fluoranthene	15.104	252	74802	6.669	ng	# 98
90) Benzo(a)pyrene	15.474	252	42705	3.915	ng	96

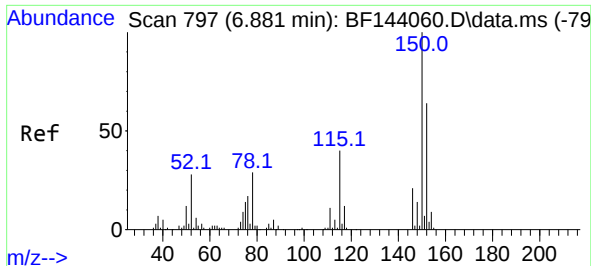
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Oct 29 15:56:20 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF102425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Oct 24 17:30:25 2025
Response via : Initial Calibration

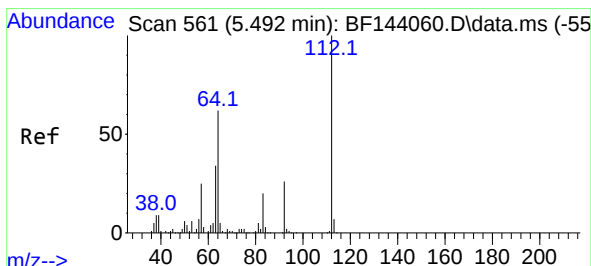
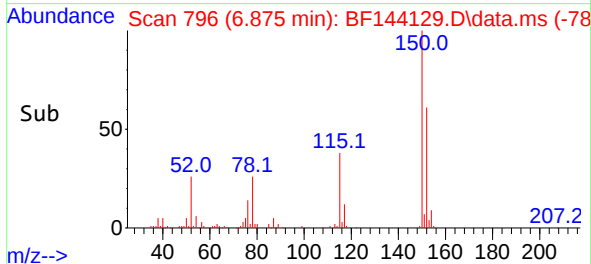
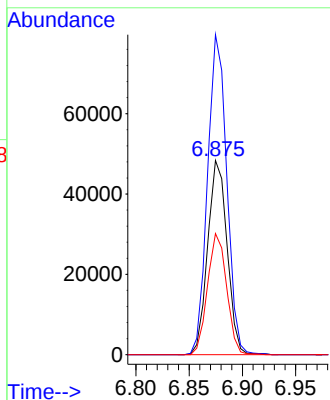
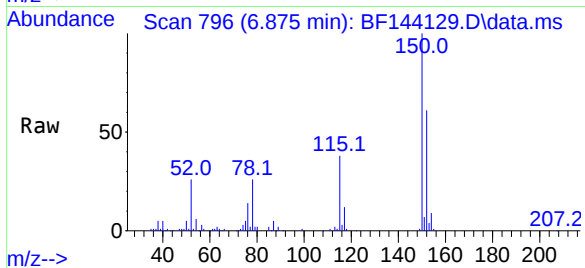




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.875 min Scan# 797
Delta R.T. -0.006 min
Lab File: BF144129.D
Acq: 29 Oct 2025 15:32

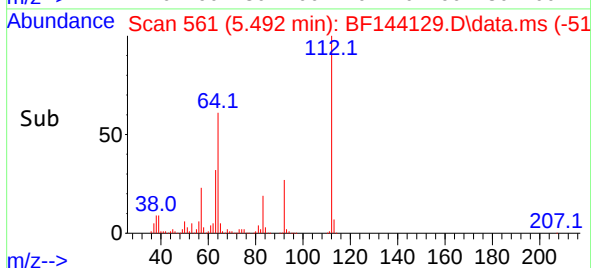
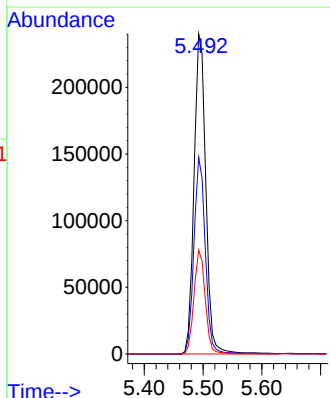
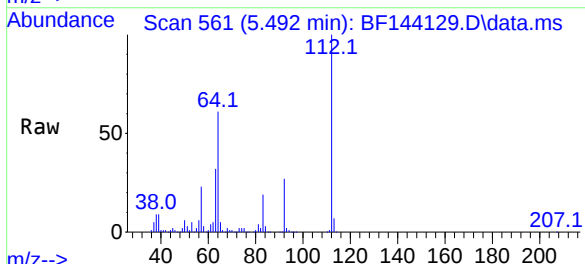
Instrument :
BNA_F
ClientSampleId :
TP-13

Tgt Ion:152 Resp: 61438
Ion Ratio Lower Upper
152 100
150 164.8 124.4 186.6
115 62.4 49.4 74.0



#5
2-Fluorophenol
Concen: 86.111 ng
RT: 5.492 min Scan# 561
Delta R.T. -0.000 min
Lab File: BF144129.D
Acq: 29 Oct 2025 15:32

Tgt Ion:112 Resp: 334395
Ion Ratio Lower Upper
112 100
64 61.4 49.8 74.8
63 32.4 27.4 41.2

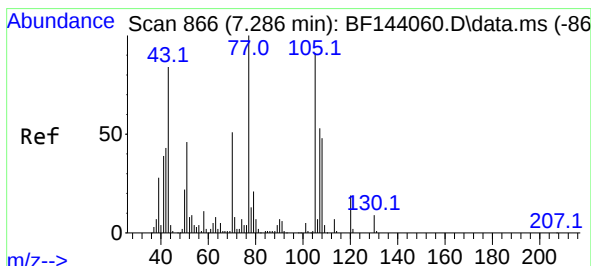
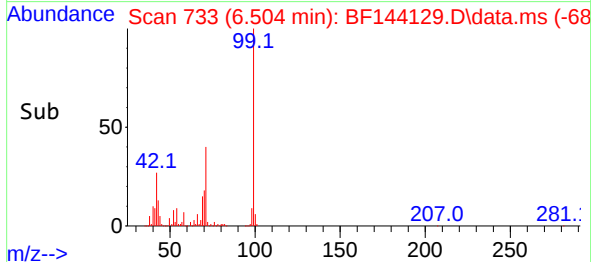
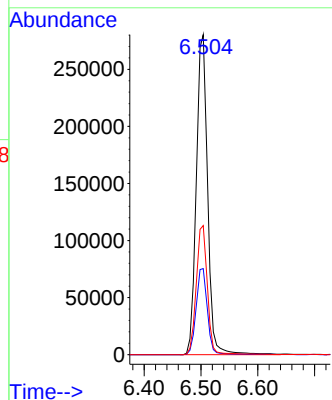
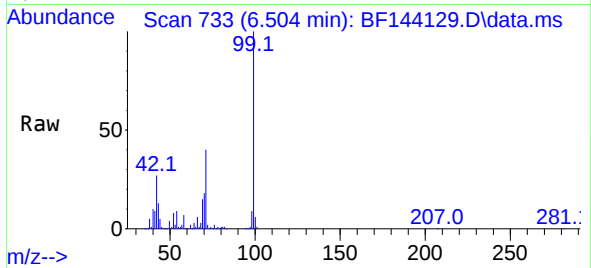




#7
Phenol-d6
Concen: 91.180 ng
RT: 6.504 min Scan# 71
Delta R.T. -0.000 min
Lab File: BF144129.D
Acq: 29 Oct 2025 15:32

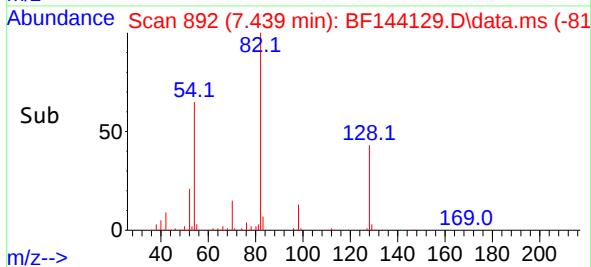
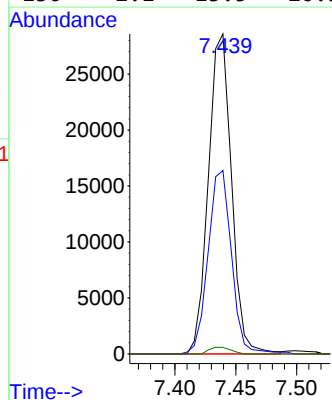
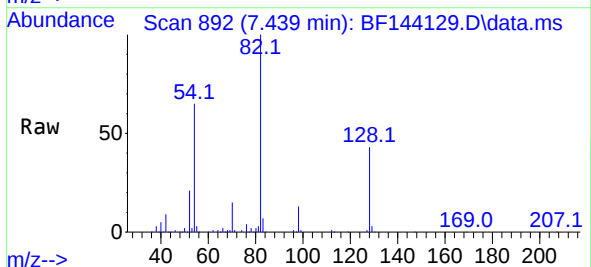
Instrument :
BNA_F
ClientSampleId :
TP-13

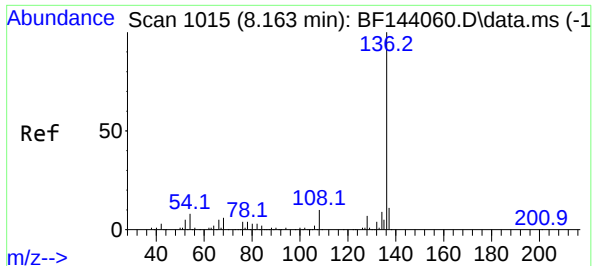
Tgt Ion: 99 Resp: 391044
Ion Ratio Lower Upper
99 100
42 26.9 23.9 35.9
71 40.4 34.4 51.6



#19
n-Nitroso-di-n-propylamine
Concen: 13.635 ng
RT: 7.439 min Scan# 892
Delta R.T. 0.153 min
Lab File: BF144129.D
Acq: 29 Oct 2025 15:32

Tgt Ion: 70 Resp: 37815
Ion Ratio Lower Upper
70 100
42 57.4 67.4 101.0#
101 0.0 7.1 10.7#
130 2.1 13.5 20.3#

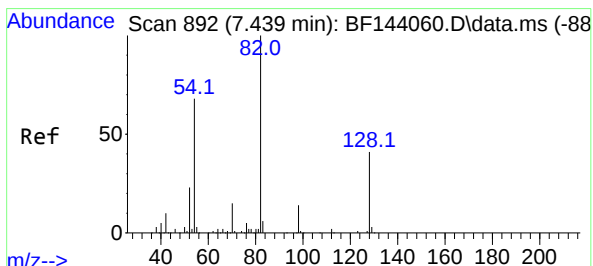
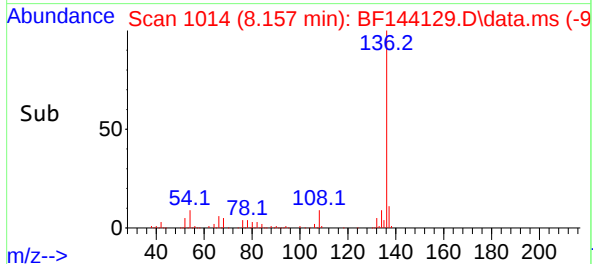
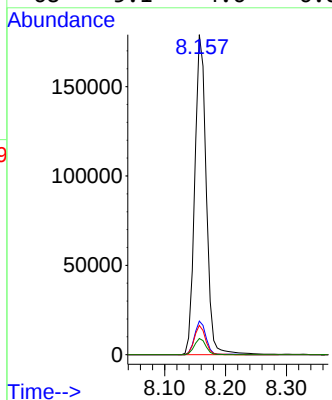
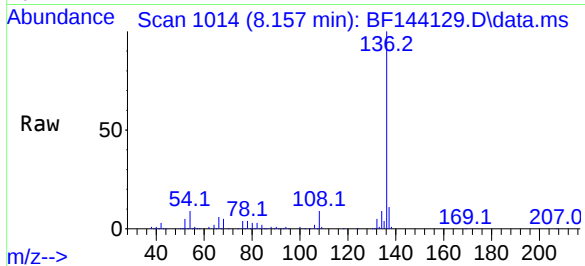




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.157 min Scan# 10
Delta R.T. -0.006 min
Lab File: BF144129.D
Acq: 29 Oct 2025 15:32

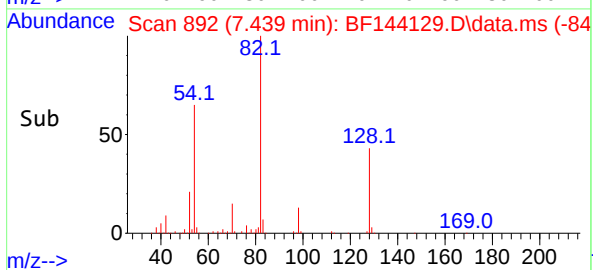
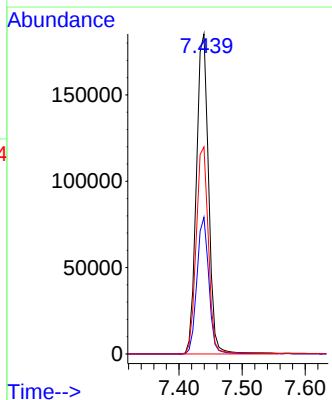
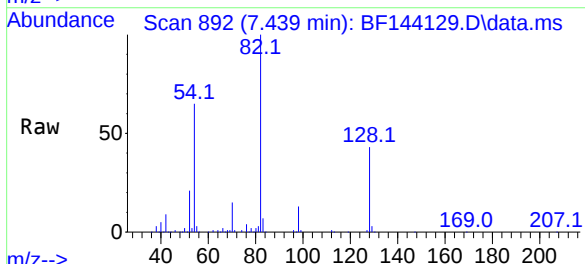
Instrument :
BNA_F
ClientSampleId :
TP-13

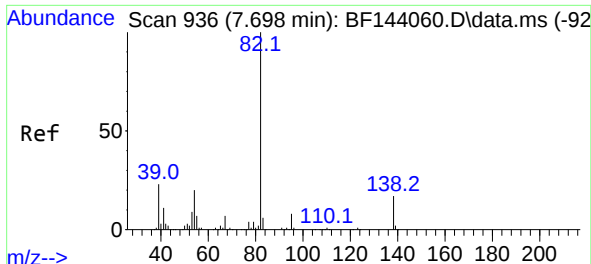
Tgt Ion:136 Resp: 234380
Ion Ratio Lower Upper
136 100
137 10.5 8.6 13.0
54 9.1 6.6 9.8
68 5.1 4.6 6.8



#23
Nitrobenzene-d5
Concen: 58.105 ng
RT: 7.439 min Scan# 892
Delta R.T. -0.000 min
Lab File: BF144129.D
Acq: 29 Oct 2025 15:32

Tgt Ion: 82 Resp: 248572
Ion Ratio Lower Upper
82 100
128 42.7 32.4 48.6
54 64.7 54.0 81.0

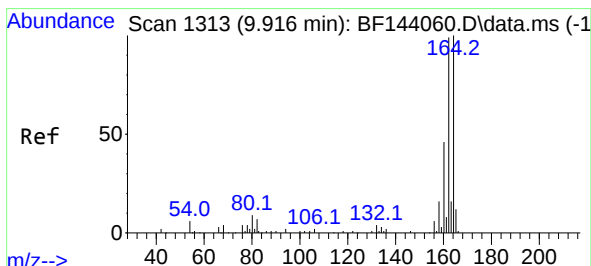
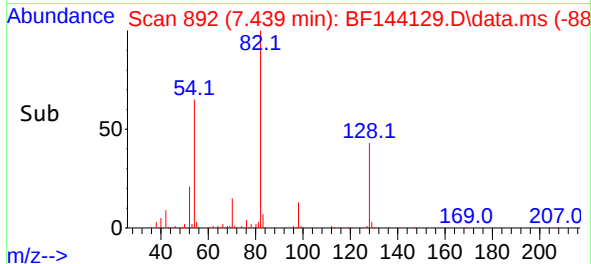
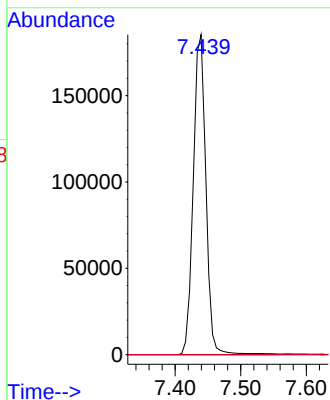
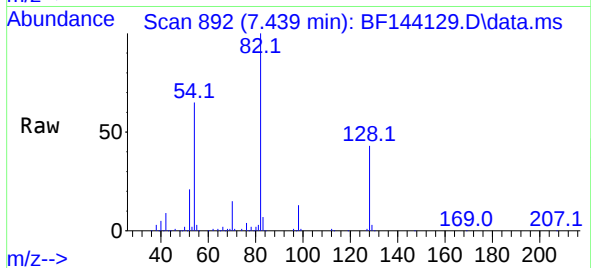




#25
Isophorone
Concen: 33.234 ng
RT: 7.439 min Scan# 891
Delta R.T. -0.259 min
Lab File: BF144129.D
Acq: 29 Oct 2025 15:32

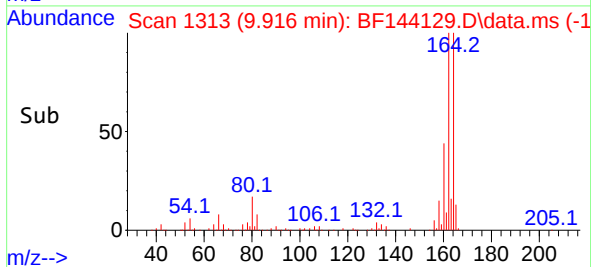
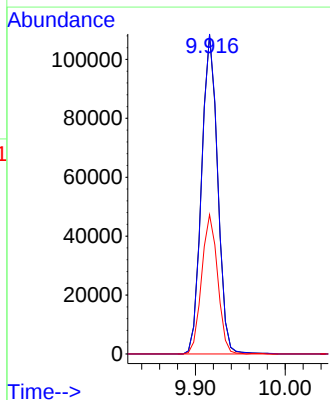
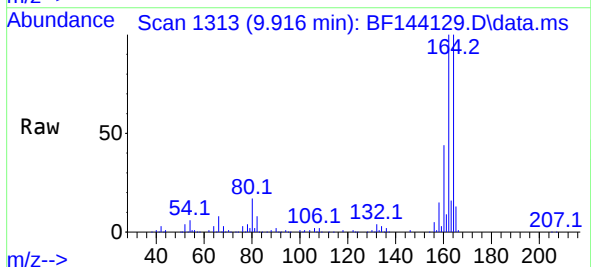
Instrument :
BNA_F
ClientSampleId :
TP-13

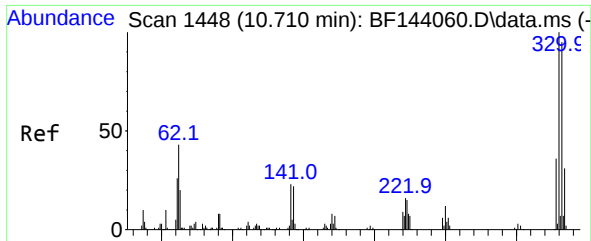
Tgt Ion: 82 Resp: 248570
Ion Ratio Lower Upper
82 100
95 0.0 6.6 9.8#
138 0.0 13.8 20.8#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.916 min Scan# 1313
Delta R.T. -0.000 min
Lab File: BF144129.D
Acq: 29 Oct 2025 15:32

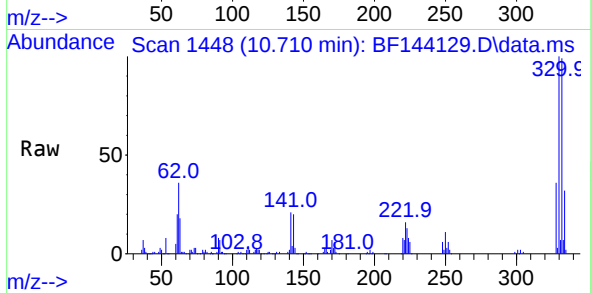
Tgt Ion:164 Resp: 134922
Ion Ratio Lower Upper
164 100
162 100.3 79.4 119.2
160 43.6 36.7 55.1



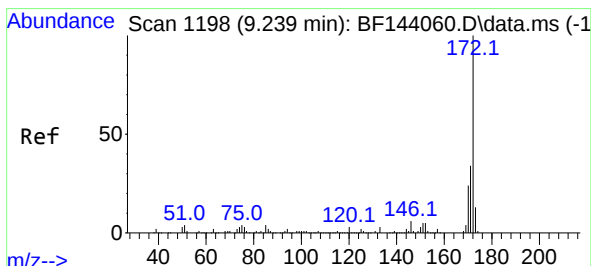
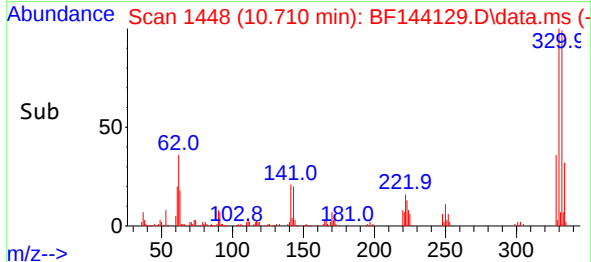
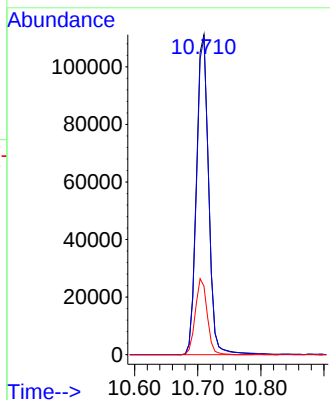


#42
2,4,6-Tribromophenol
Concen: 86.697 ng
RT: 10.710 min Scan# 1448
Delta R.T. -0.000 min
Lab File: BF144129.D
Acq: 29 Oct 2025 15:32

Instrument :
BNA_F
ClientSampleId :
TP-13

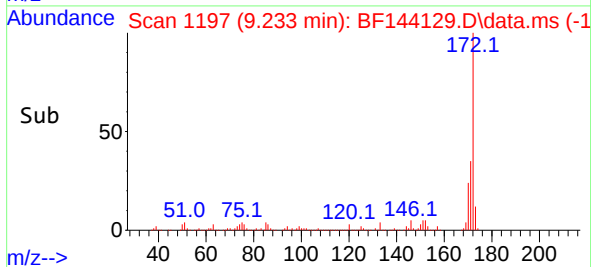
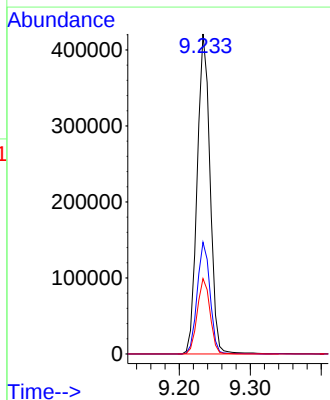
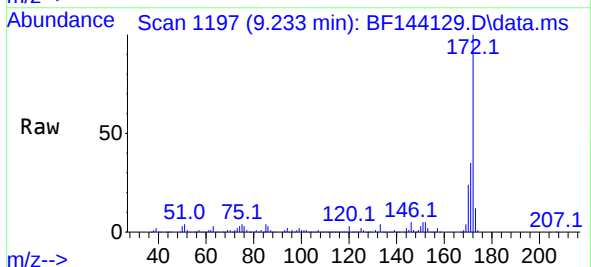


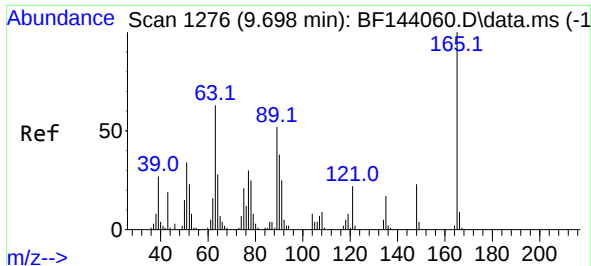
Tgt Ion:330 Resp: 149001
Ion Ratio Lower Upper
330 100
332 98.3 77.0 115.6
141 23.1 19.4 29.0



#45
2-Fluorobiphenyl
Concen: 55.498 ng
RT: 9.233 min Scan# 1197
Delta R.T. -0.006 min
Lab File: BF144129.D
Acq: 29 Oct 2025 15:32

Tgt Ion:172 Resp: 532104
Ion Ratio Lower Upper
172 100
171 34.9 27.5 41.3
170 23.6 19.0 28.6

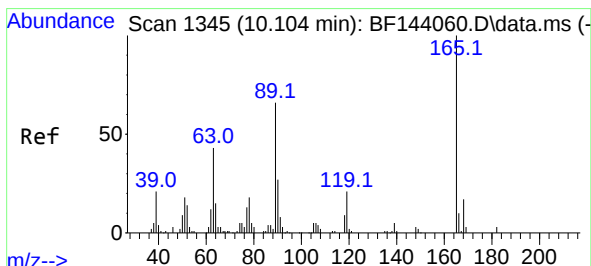
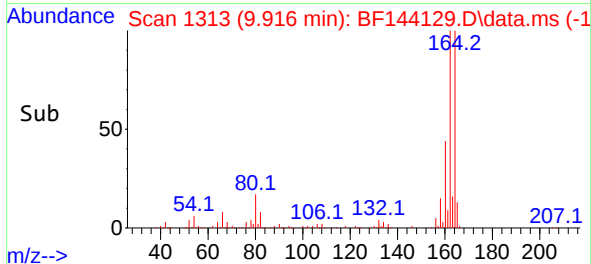
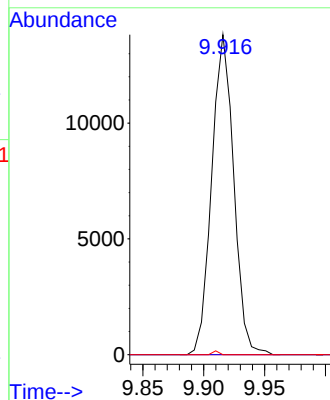
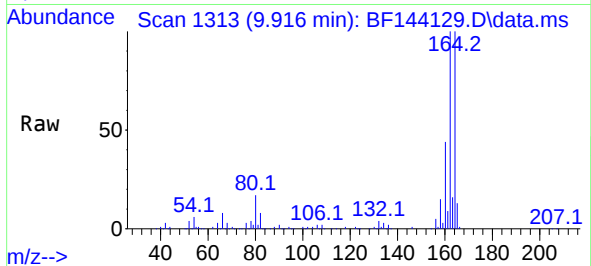




#51
2,6-Dinitrotoluene
Concen: 9.947 ng
RT: 9.916 min Scan# 11
Delta R.T. 0.218 min
Lab File: BF144129.D
Acq: 29 Oct 2025 15:32

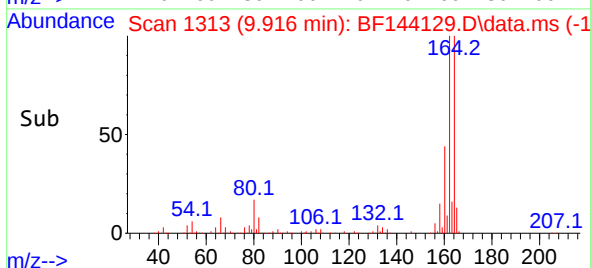
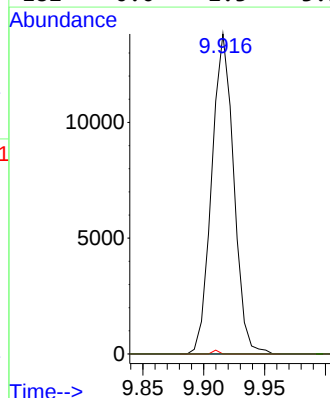
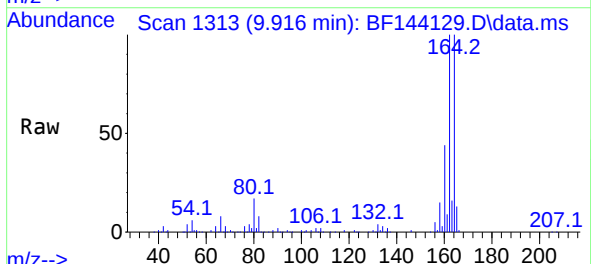
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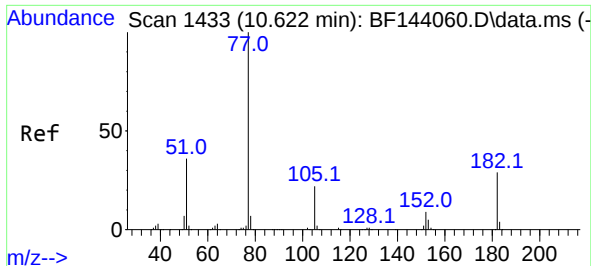
Tgt Ion:165 Resp: 17391
Ion Ratio Lower Upper
165 100
63 0.0 50.4 75.6#
89 0.0 41.4 62.2#



#57
2,4-Dinitrotoluene
Concen: 7.370 ng
RT: 9.916 min Scan# 1313
Delta R.T. -0.188 min
Lab File: BF144129.D
Acq: 29 Oct 2025 15:32

Tgt Ion:165 Resp: 17391
Ion Ratio Lower Upper
165 100
63 0.0 35.4 53.2#
89 0.0 52.7 79.1#
182 0.0 2.3 3.5#

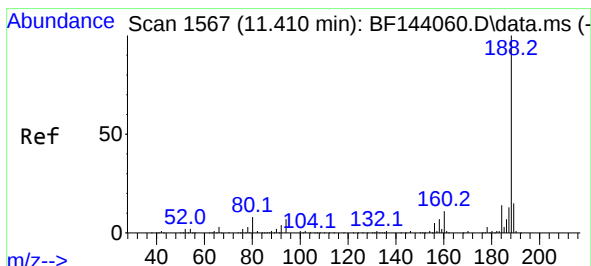
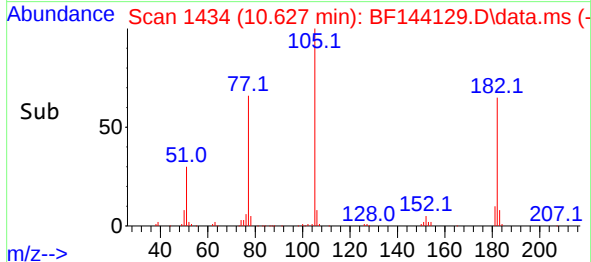
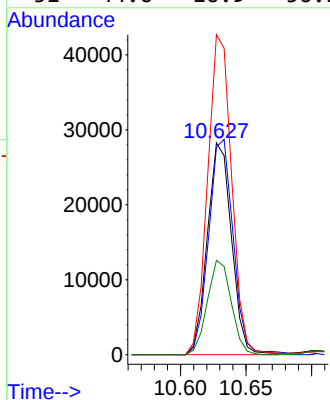
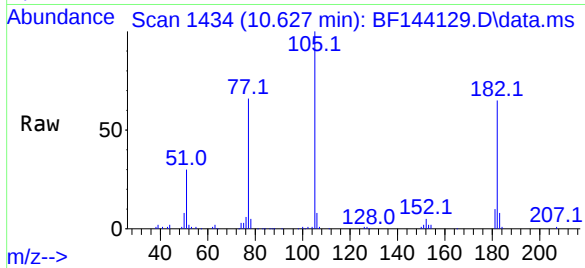




#63
Azobenzene
Concen: 4.599 ng
RT: 10.627 min Scan# 1433
Delta R.T. 0.006 min
Lab File: BF144129.D
Acq: 29 Oct 2025 15:32

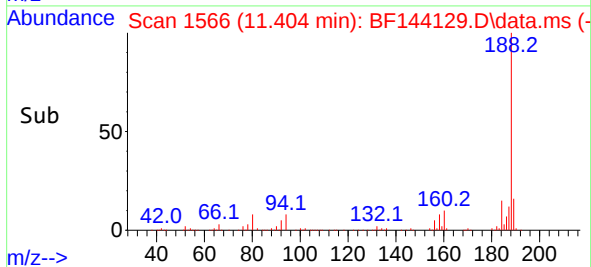
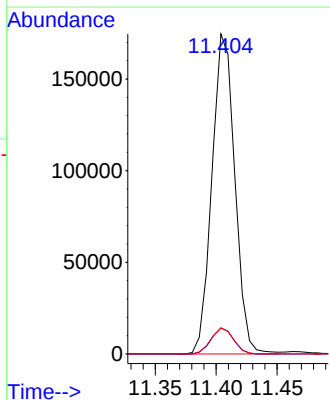
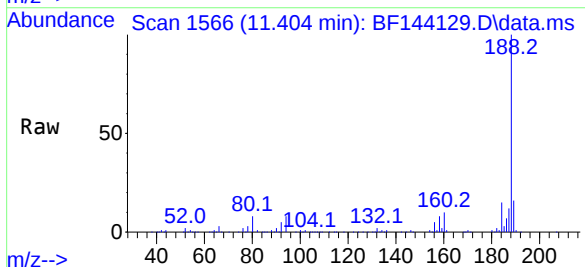
Instrument :
BNA_F
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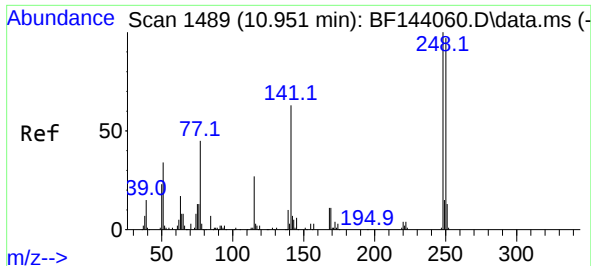
Tgt Ion: 77	Resp: 36199
Ion Ratio	Lower Upper
77 100	
182 98.1	9.0 49.0#
105 151.1	1.4 41.4#
51 44.6	16.9 56.9



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.404 min Scan# 1566
Delta R.T. -0.006 min
Lab File: BF144129.D
Acq: 29 Oct 2025 15:32

Tgt Ion: 188	Resp: 228489
Ion Ratio	Lower Upper
188 100	
94 8.2	5.4 8.0#
80 8.1	6.0 9.0

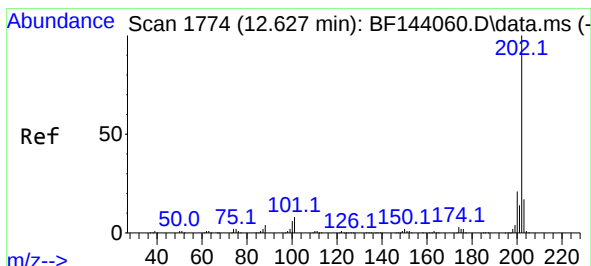
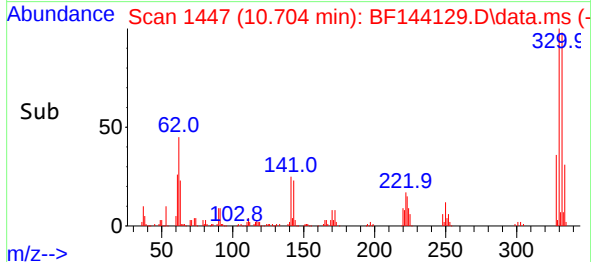
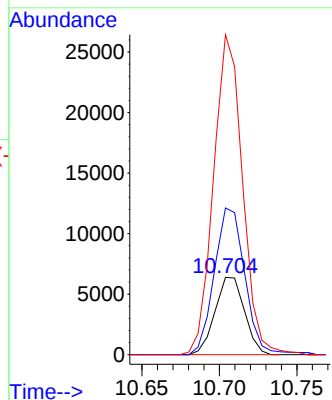
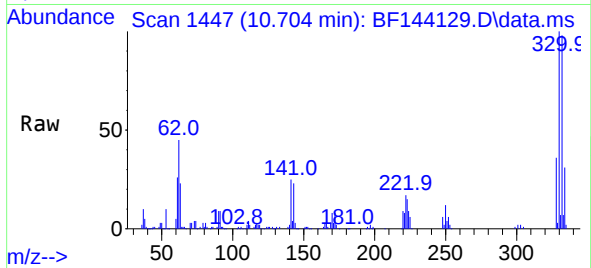




#67
4-Bromophenyl-phenylether
Concen: 2.958 ng
RT: 10.704 min Scan# 1489
Delta R.T. -0.247 min
Lab File: BF144129.D
Acq: 29 Oct 2025 15:32

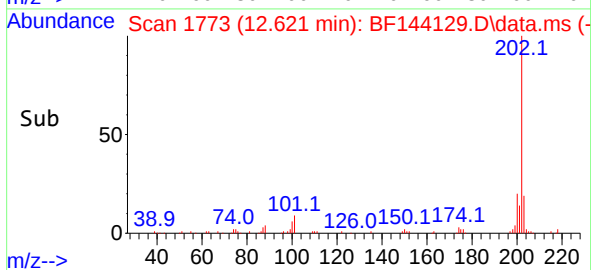
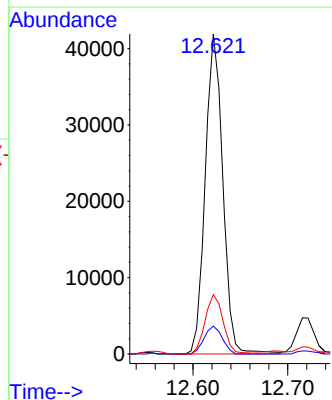
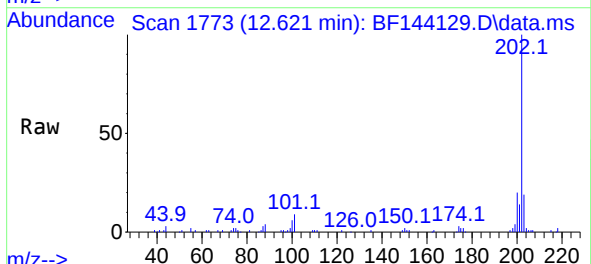
Instrument :
BNA_F
ClientSampleId :
TP-13

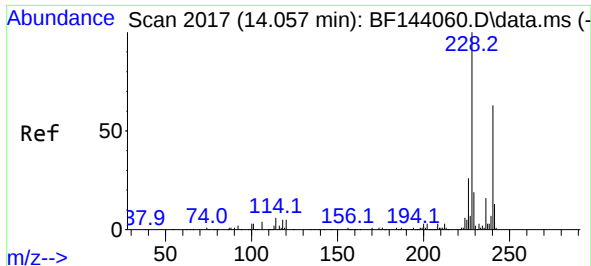
Tgt Ion:248 Resp: 8461
Ion Ratio Lower Upper
248 100
250 189.8 77.8 116.6#
141 414.1 50.5 75.7#



#75
Fluoranthene
Concen: 4.310 ng
RT: 12.621 min Scan# 1773
Delta R.T. -0.006 min
Lab File: BF144129.D
Acq: 29 Oct 2025 15:32

Tgt Ion:202 Resp: 54047
Ion Ratio Lower Upper
202 100
101 8.7 0.0 27.7
203 18.6 0.0 37.3

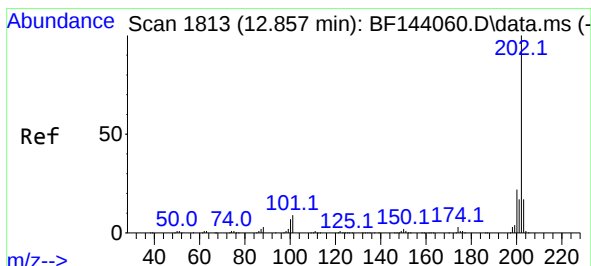
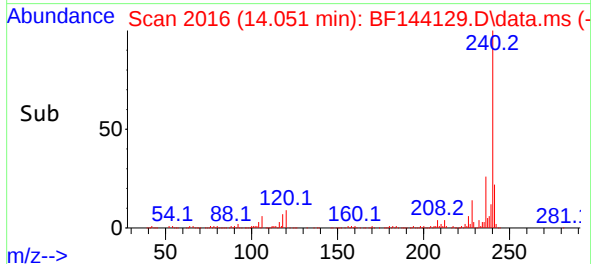
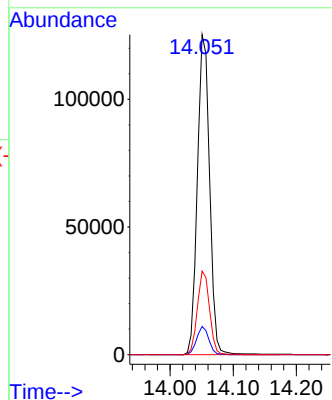
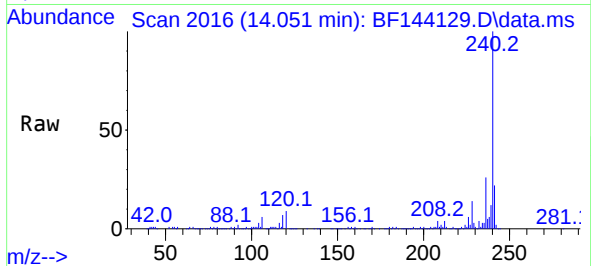




#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.051 min Scan# 20
Delta R.T. -0.006 min
Lab File: BF144129.D
Acq: 29 Oct 2025 15:32

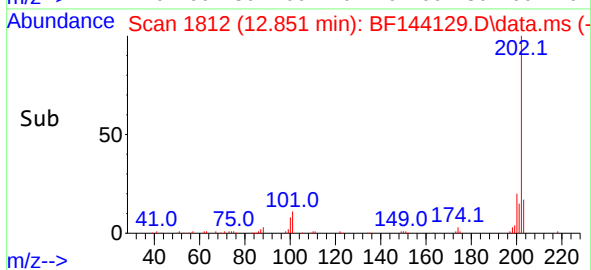
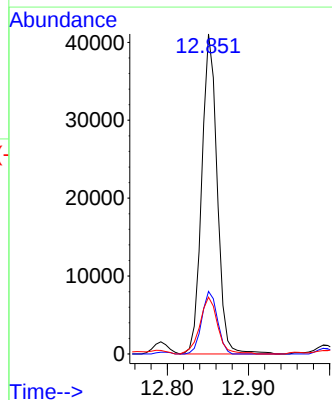
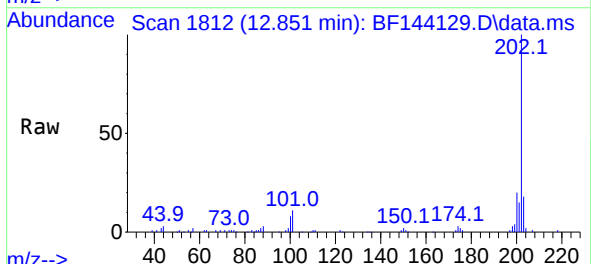
Instrument :
BNA_F
ClientSampleId :
TP-13

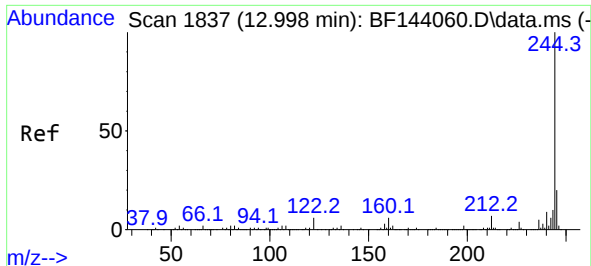
Tgt Ion:240 Resp: 168291
Ion Ratio Lower Upper
240 100
120 8.8 6.5 9.7
236 26.1 20.1 30.1



#78
Pyrene
Concen: 4.484 ng
RT: 12.851 min Scan# 1812
Delta R.T. -0.006 min
Lab File: BF144129.D
Acq: 29 Oct 2025 15:32

Tgt Ion:202 Resp: 54256
Ion Ratio Lower Upper
202 100
200 19.6 17.2 25.8
203 17.8 13.5 20.3

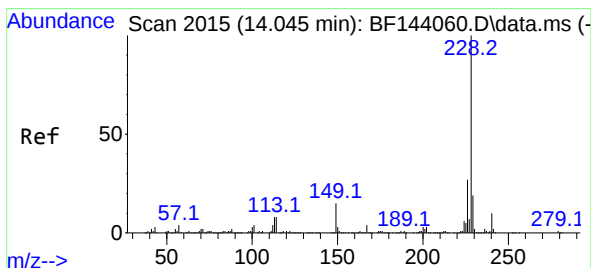
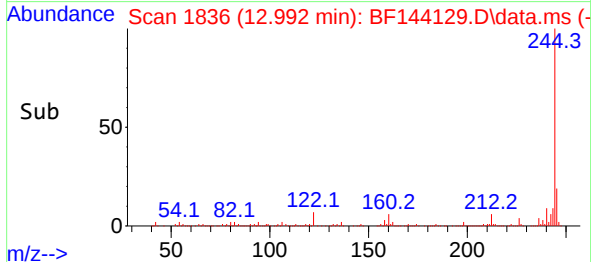
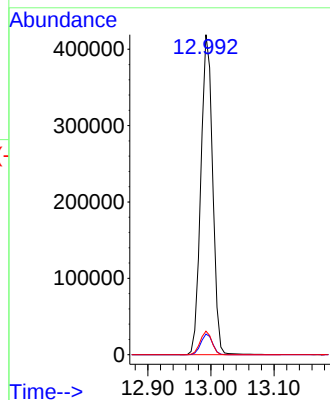
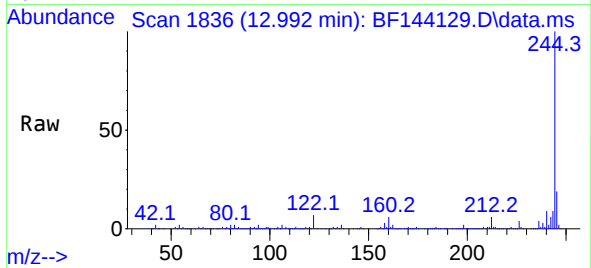




#79
Terphenyl-d14
Concen: 56.360 ng
RT: 12.992 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF144129.D
Acq: 29 Oct 2025 15:32

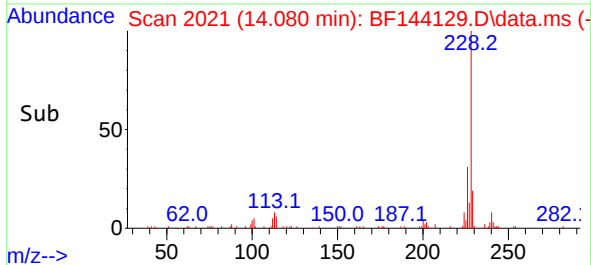
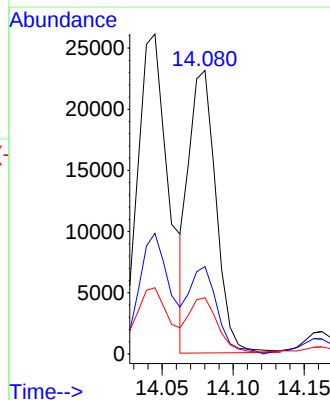
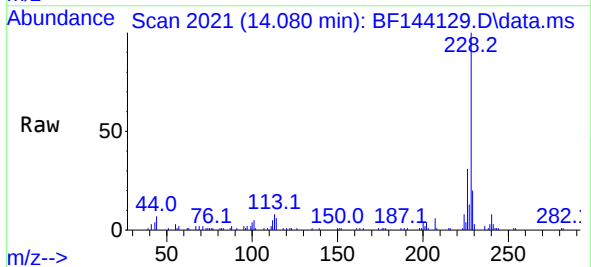
Instrument :
BNA_F
ClientSampleId :
TP-13

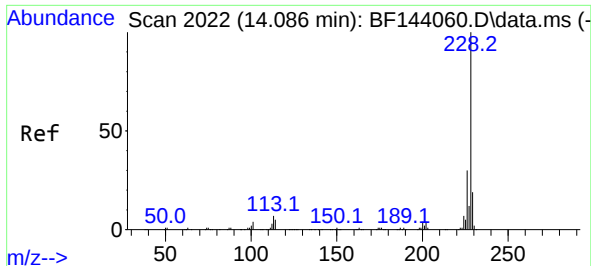
Tgt Ion:244 Resp: 542545
Ion Ratio Lower Upper
244 100
212 6.5 5.8 8.6
122 7.4 4.9 7.3#



#81
Benzo(a)anthracene
Concen: 2.699 ng
RT: 14.080 min Scan# 2021
Delta R.T. 0.035 min
Lab File: BF144129.D
Acq: 29 Oct 2025 15:32

Tgt Ion:228 Resp: 30694
Ion Ratio Lower Upper
228 100
226 30.8 21.4 32.2
229 19.9 15.3 22.9

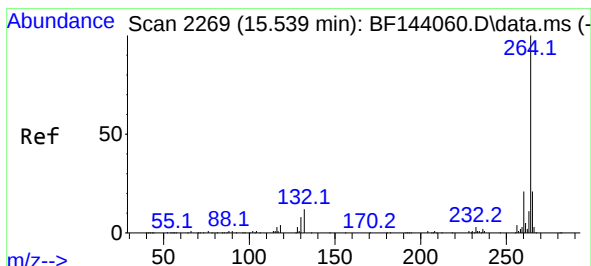
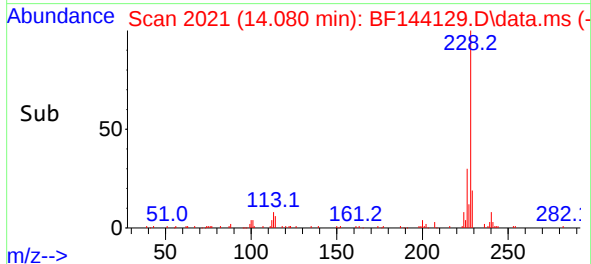
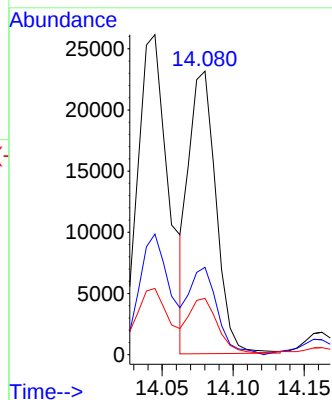
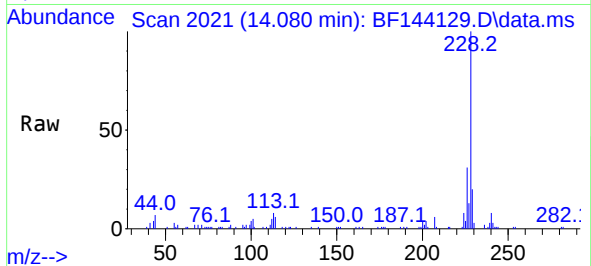




#83
Chrysene
Concen: 2.876 ng
RT: 14.080 min Scan# 2022
Delta R.T. -0.006 min
Lab File: BF144129.D
Acq: 29 Oct 2025 15:32

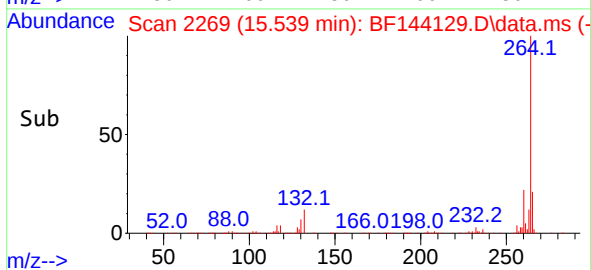
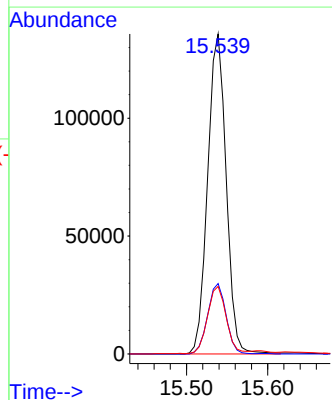
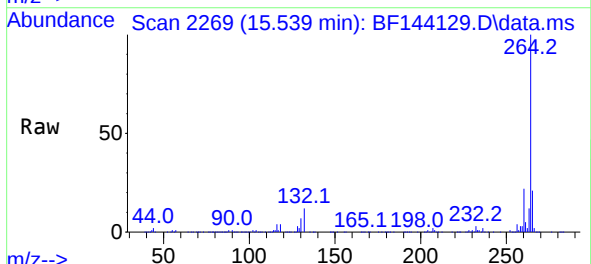
Instrument :
BNA_F
ClientSampleId :
TP-13

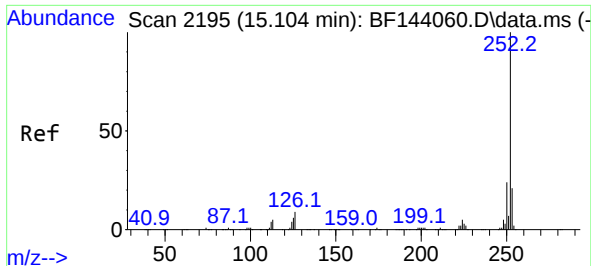
Tgt Ion:228 Resp: 30694
Ion Ratio Lower Upper
228 100
226 30.8 23.8 35.6
229 19.9 15.6 23.4



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.539 min Scan# 2269
Delta R.T. -0.000 min
Lab File: BF144129.D
Acq: 29 Oct 2025 15:32

Tgt Ion:264 Resp: 215048
Ion Ratio Lower Upper
264 100
260 22.0 17.0 25.4
265 21.1 16.6 24.8

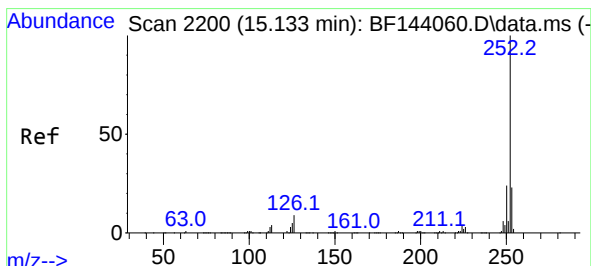
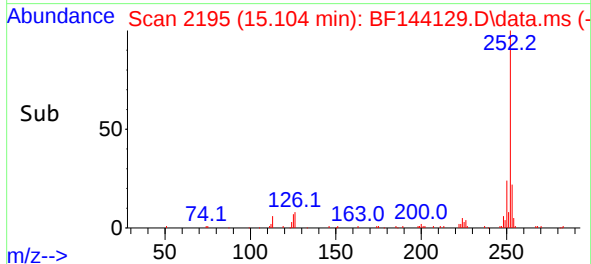
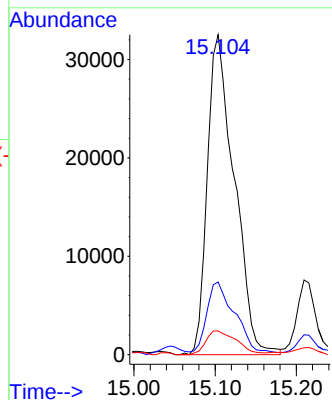
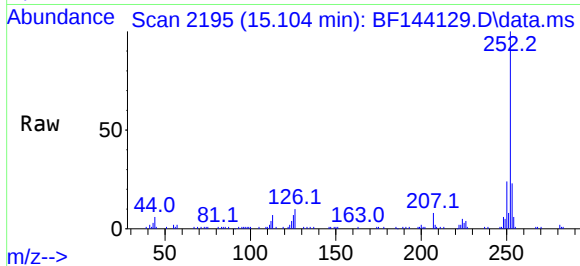




#88
Benzo(b)fluoranthene
Concen: 6.153 ng
RT: 15.104 min Scan# 2195
Delta R.T. -0.000 min
Lab File: BF144129.D
Acq: 29 Oct 2025 15:32

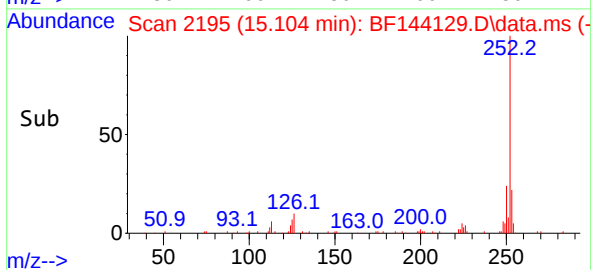
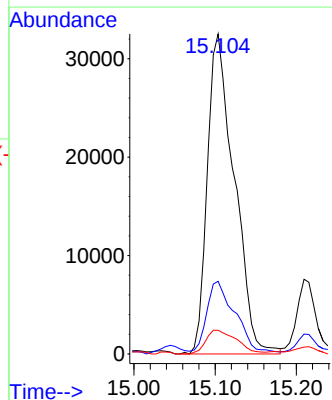
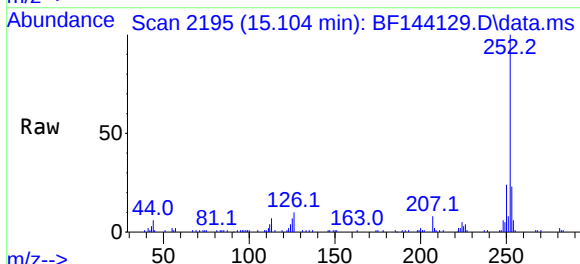
Instrument :
BNA_F
ClientSampleId :
TP-13

Tgt Ion:252 Resp: 74802
Ion Ratio Lower Upper
252 100
253 22.7 17.2 25.8
125 7.4 5.0 7.6

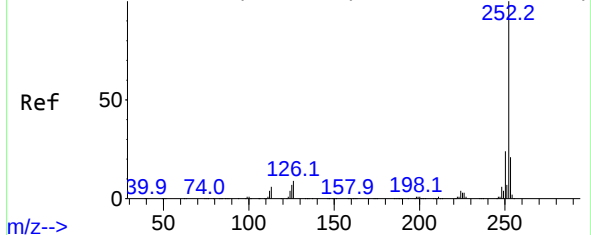


#89
Benzo(k)fluoranthene
Concen: 6.669 ng
RT: 15.104 min Scan# 2195
Delta R.T. -0.029 min
Lab File: BF144129.D
Acq: 29 Oct 2025 15:32

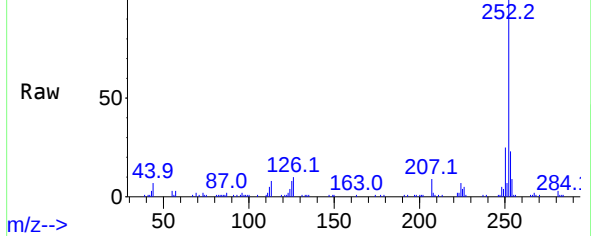
Tgt Ion:252 Resp: 74802
Ion Ratio Lower Upper
252 100
253 22.7 17.4 26.2
125 7.4 4.9 7.3#



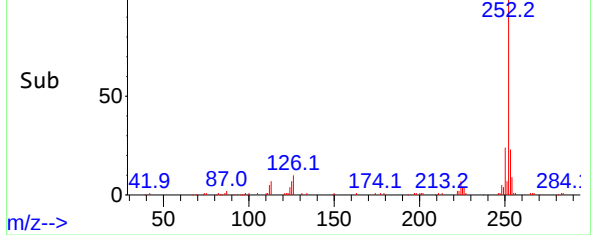
Abundance Scan 2259 (15.480 min): BF144060.D\data.ms (-



Ref 50



Raw 50



Sub 50

#90

Benzo(a)pyrene

Concen: 3.915 ng

RT: 15.474 min Scan# 21

Delta R.T. -0.006 min

Lab File: BF144129.D

Acq: 29 Oct 2025 15:32

Instrument :

BNA_F

ClientSampleId :

TP-13

Tgt Ion:252 Resp: 42705

Ion Ratio Lower Upper

252 100

253 23.4 17.1 25.7

125 7.9 5.4 8.2

Abundance

