

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF102725\
 Data File : BF144090.D
 Acq On : 27 Oct 2025 18:32
 Operator : RC/JU
 Sample : Q3447-03 5X
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 P001-TW2-251023-01

Quant Time: Oct 27 18:53:07 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)

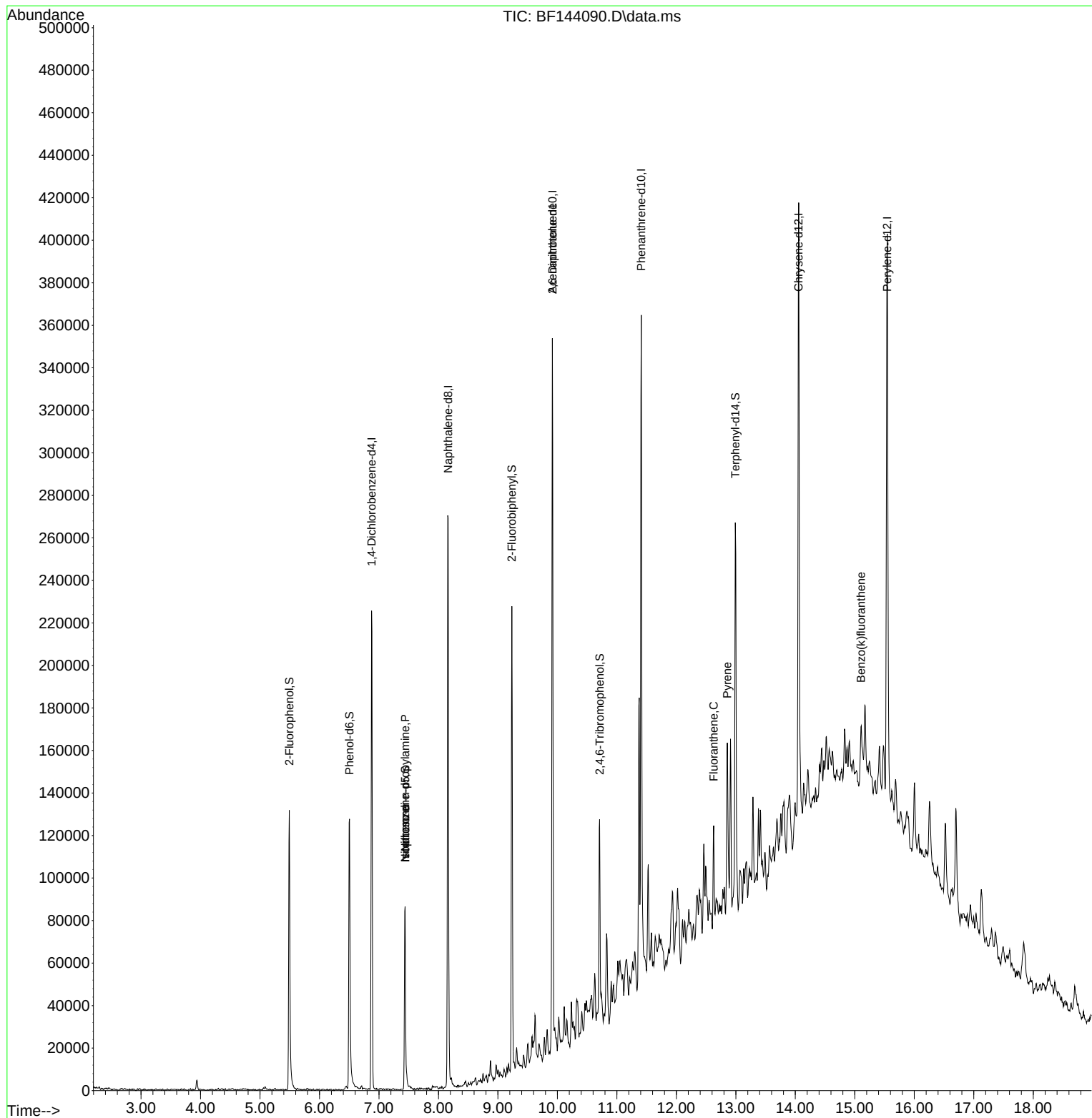
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.875	152	48570	20.000	ng	0.00
21) Naphthalene-d8	8.163	136	181995	20.000	ng	0.00
39) Acenaphthene-d10	9.916	164	102528	20.000	ng	0.00
64) Phenanthrene-d10	11.410	188	173962	20.000	ng	0.00
76) Chrysene-d12	14.057	240	144501	20.000	ng	0.00
86) Perylene-d12	15.545	264	176316	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.493	112	61050	19.886	ng	0.00
7) Phenol-d6	6.504	99	67428	19.888	ng	0.00
23) Nitrobenzene-d5	7.440	82	40564	12.211	ng	0.00
42) 2,4,6-Tribromophenol	10.710	330	19473	14.910	ng	0.00
45) 2-Fluorobiphenyl	9.234	172	101317	13.906	ng	0.00
79) Terphenyl-d14	12.992	244	94156	11.391	ng	0.00
Target Compounds						
						Qvalue
19) n-Nitroso-di-n-propyla...	7.440	70	6361	2.901	ng	# 66
25) Isophorone	7.440	82	40564	6.985	ng	# 66
51) 2,6-Dinitrotoluene	9.916	165	13036	9.812	ng	# 25
75) Fluoranthene	12.627	202	24138	2.528	ng	96
78) Pyrene	12.857	202	45533	4.383	ng	96
89) Benzo(k)fluoranthene	15.104	252	19861	2.160	ng	# 87

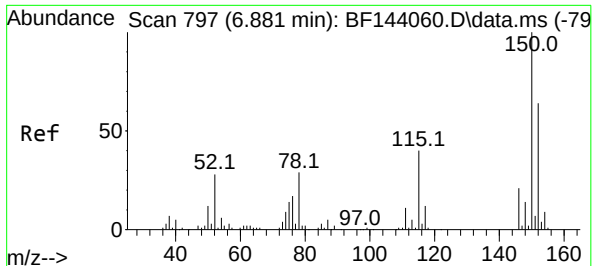
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Fri Oct 24 17:30:25 2025
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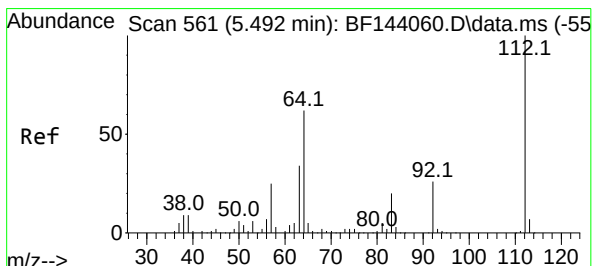
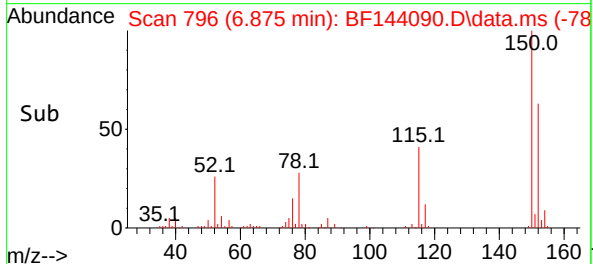
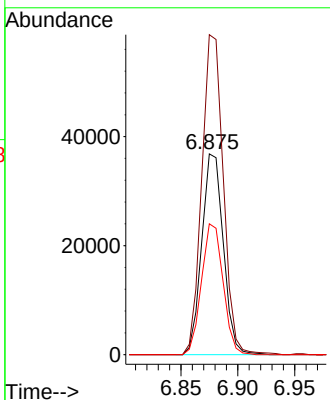
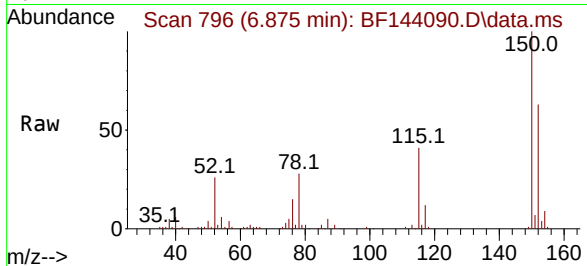




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.875 min Scan# 797
Delta R.T. -0.006 min
Lab File: BF144090.D
Acq: 27 Oct 2025 18:32

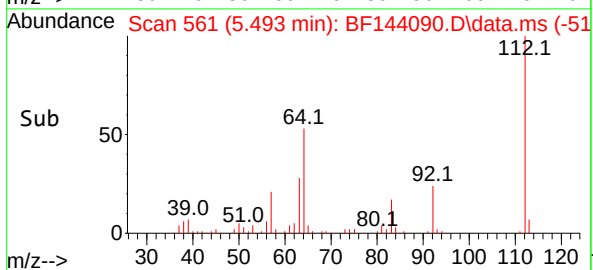
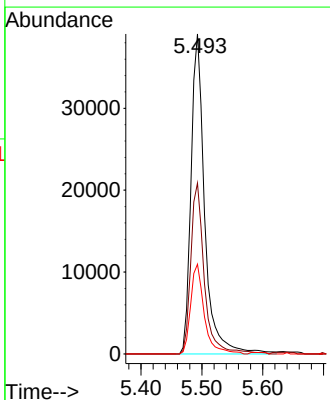
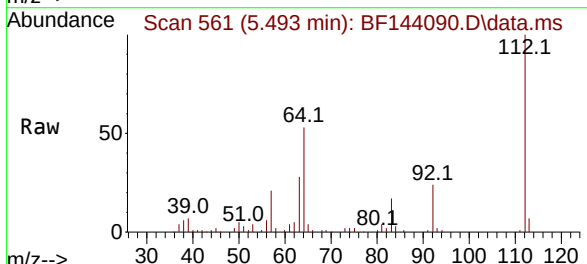
Instrument :
BNA_F
ClientSampleId :
P001-TW2-251023-01

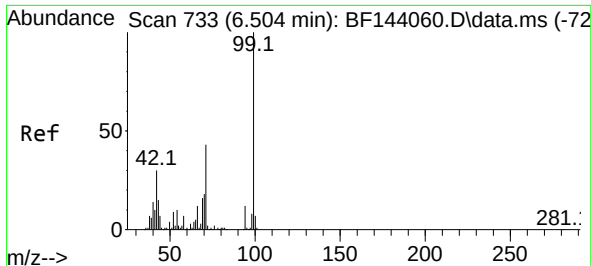
Tgt Ion:152 Resp: 48570
Ion Ratio Lower Upper
152 100
150 159.4 124.4 186.6
115 65.2 49.4 74.0



#5
2-Fluorophenol
Concen: 19.886 ng
RT: 5.493 min Scan# 561
Delta R.T. 0.000 min
Lab File: BF144090.D
Acq: 27 Oct 2025 18:32

Tgt Ion:112 Resp: 61050
Ion Ratio Lower Upper
112 100
64 53.4 49.8 74.8
63 28.1 27.4 41.2

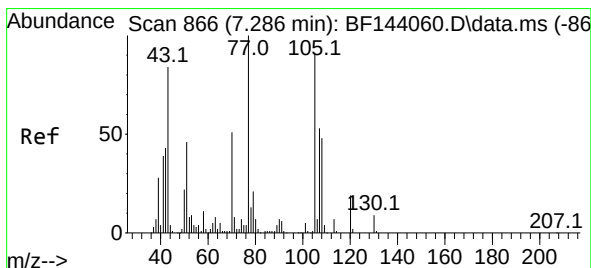
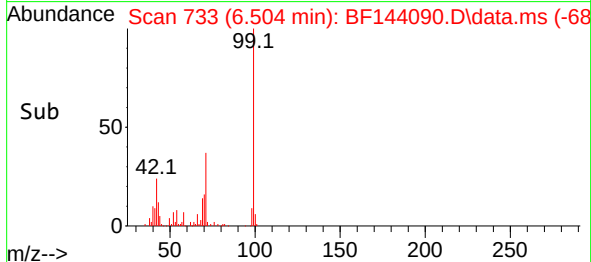
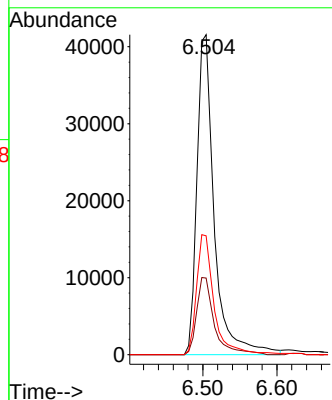
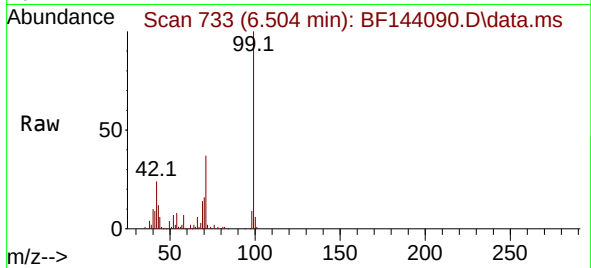




#7
Phenol-d6
Concen: 19.888 ng
RT: 6.504 min Scan# 71
Delta R.T. 0.000 min
Lab File: BF144090.D
Acq: 27 Oct 2025 18:32

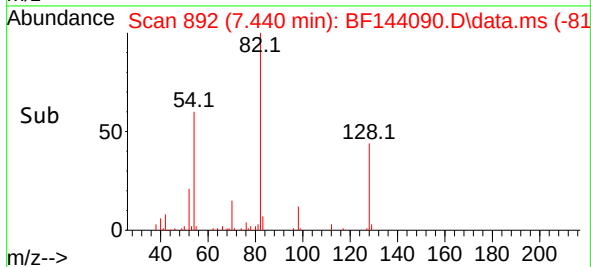
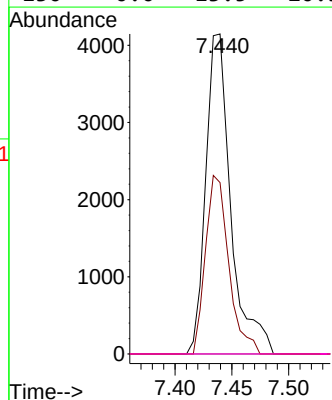
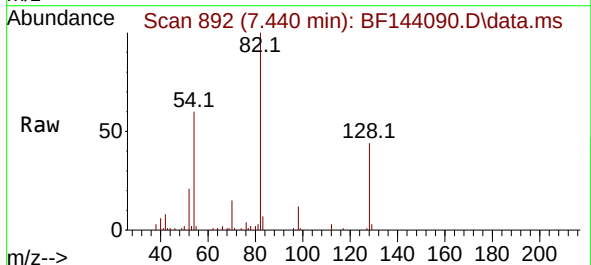
Instrument :
BNA_F
ClientSampleId :
P001-TW2-251023-01

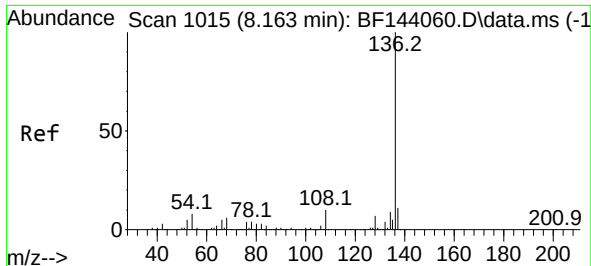
Tgt Ion: 99 Resp: 67428
Ion Ratio Lower Upper
99 100
42 23.9 23.9 35.9
71 37.1 34.4 51.6



#19
n-Nitroso-di-n-propylamine
Concen: 2.901 ng
RT: 7.440 min Scan# 892
Delta R.T. 0.153 min
Lab File: BF144090.D
Acq: 27 Oct 2025 18:32

Tgt Ion: 70 Resp: 6361
Ion Ratio Lower Upper
70 100
42 53.6 67.4 101.0#
101 0.0 7.1 10.7#
130 0.0 13.5 20.3#

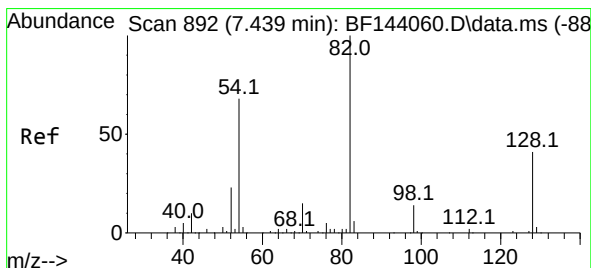
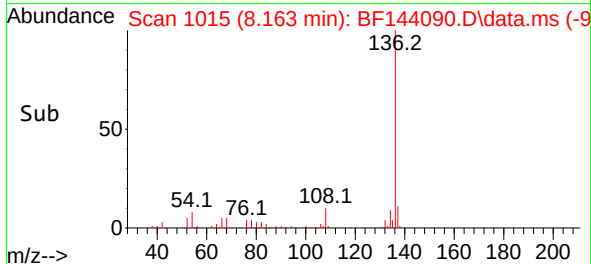
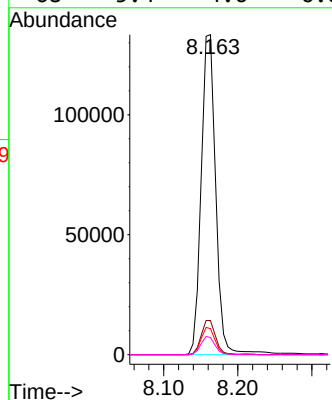
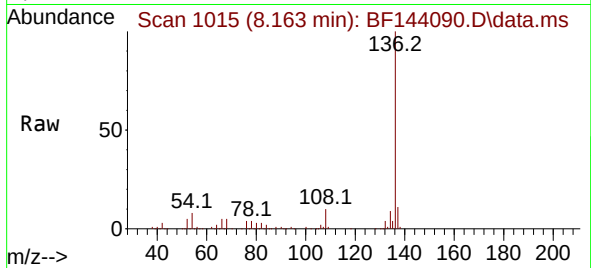




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.163 min Scan# 1015
Delta R.T. 0.000 min
Lab File: BF144090.D
Acq: 27 Oct 2025 18:32

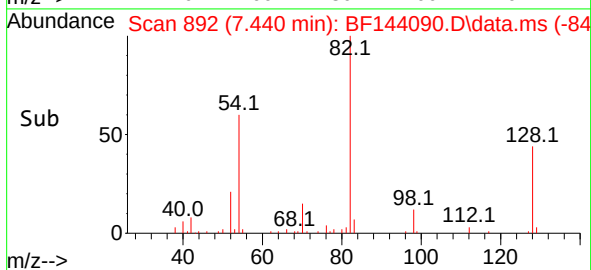
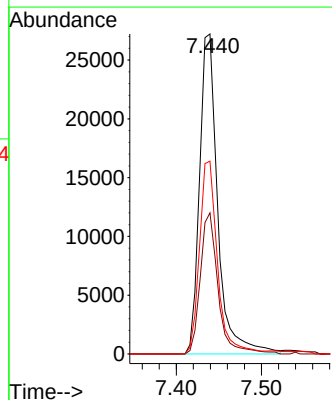
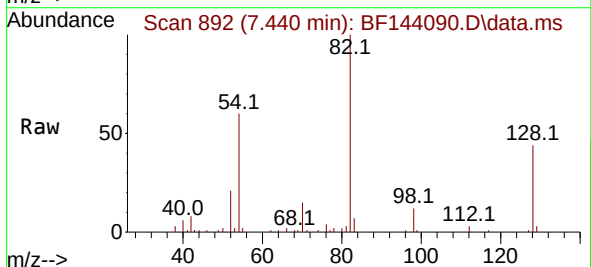
Instrument :
BNA_F
ClientSampleId :
P001-TW2-251023-01

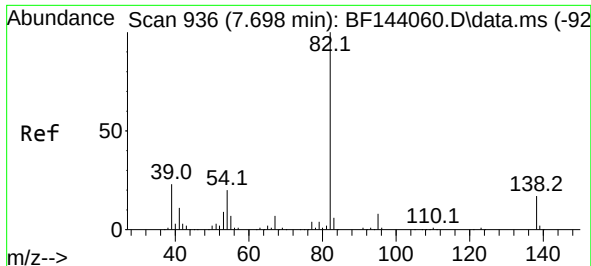
Tgt Ion:	136	Resp:	181995
Ion	Ratio	Lower	Upper
136	100		
137	10.7	8.6	13.0
54	8.1	6.6	9.8
68	5.4	4.6	6.8



#23
Nitrobenzene-d5
Concen: 12.211 ng
RT: 7.440 min Scan# 892
Delta R.T. 0.000 min
Lab File: BF144090.D
Acq: 27 Oct 2025 18:32

Tgt Ion:	82	Resp:	40564
Ion	Ratio	Lower	Upper
82	100		
128	44.1	32.4	48.6
54	60.2	54.0	81.0

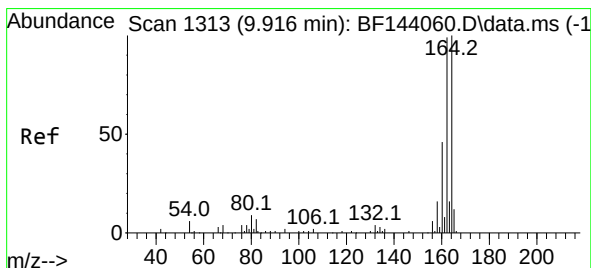
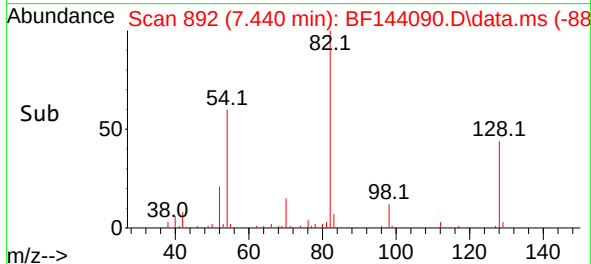
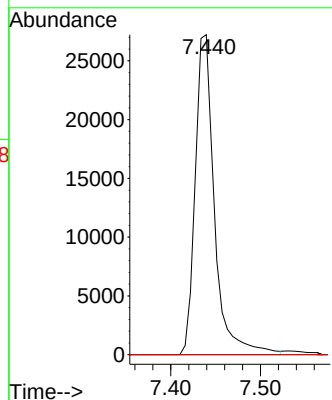
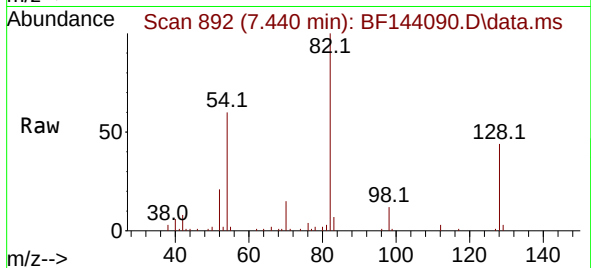




#25
Isophorone
Concen: 6.985 ng
RT: 7.440 min Scan# 892
Delta R.T. -0.259 min
Lab File: BF144090.D
Acq: 27 Oct 2025 18:32

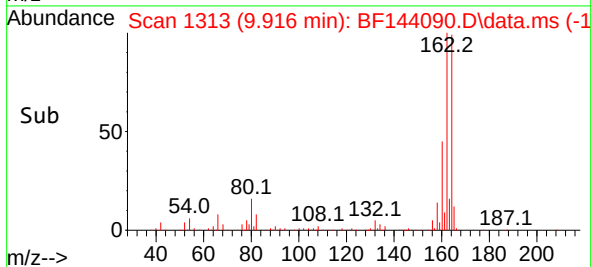
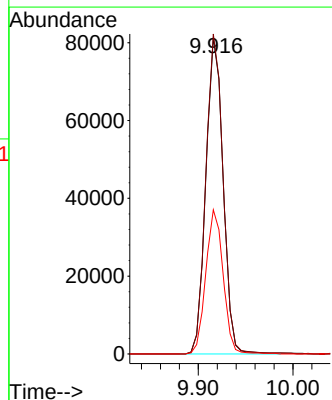
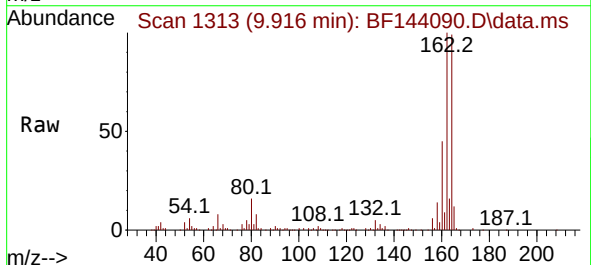
Instrument :
BNA_F
ClientSampleId :
P001-TW2-251023-01

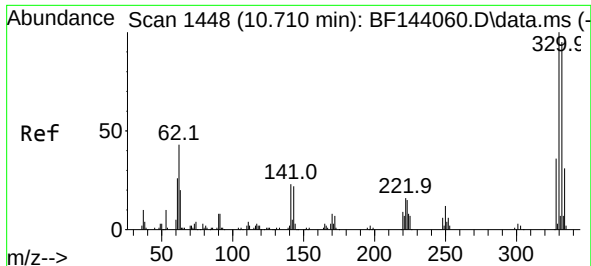
Tgt Ion: 82 Resp: 40564
Ion Ratio Lower Upper
82 100
95 0.0 6.6 9.8#
138 0.0 13.8 20.8#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.916 min Scan# 1313
Delta R.T. 0.000 min
Lab File: BF144090.D
Acq: 27 Oct 2025 18:32

Tgt Ion:164 Resp: 102528
Ion Ratio Lower Upper
164 100
162 101.2 79.4 119.2
160 45.6 36.7 55.1

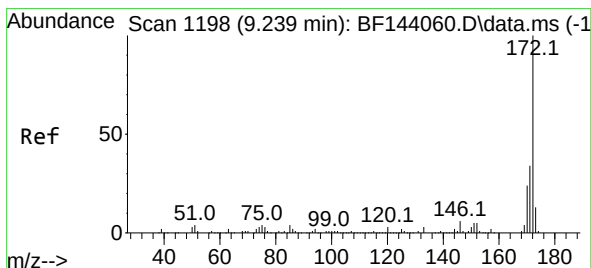
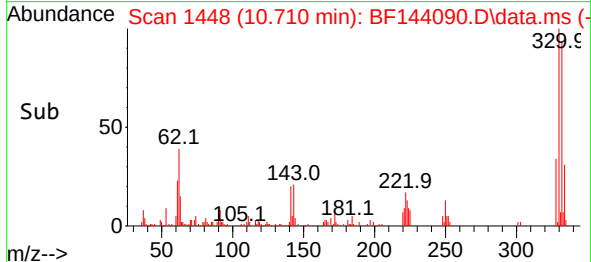
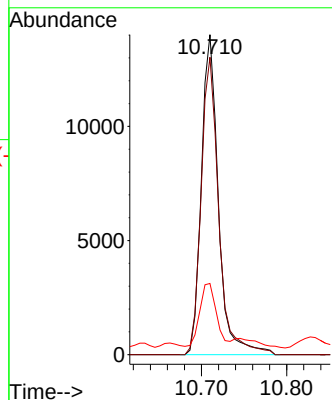
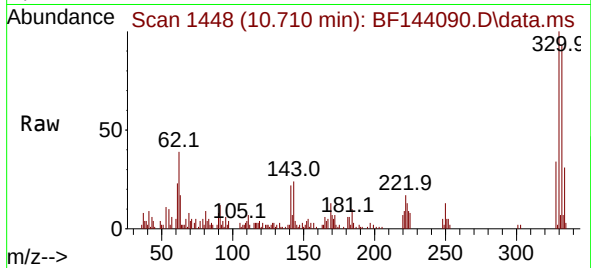




#42
2,4,6-Tribromophenol
Concen: 14.910 ng
RT: 10.710 min Scan# 1448
Delta R.T. 0.000 min
Lab File: BF144090.D
Acq: 27 Oct 2025 18:32

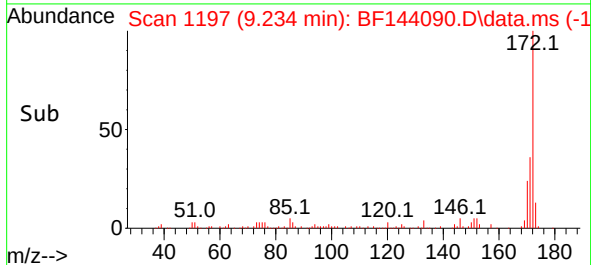
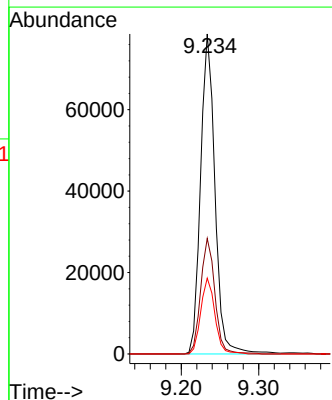
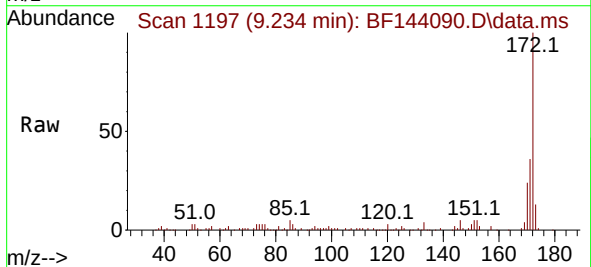
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ClientSampleId :
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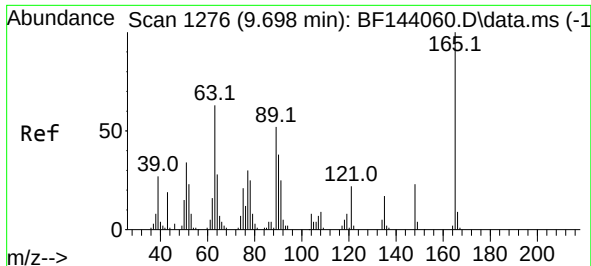
Tgt Ion:330 Resp: 19473
Ion Ratio Lower Upper
330 100
332 96.4 77.0 115.6
141 19.1 19.4 29.0#



#45
2-Fluorobiphenyl
Concen: 13.906 ng
RT: 9.234 min Scan# 1197
Delta R.T. -0.006 min
Lab File: BF144090.D
Acq: 27 Oct 2025 18:32

Tgt Ion:172 Resp: 101317
Ion Ratio Lower Upper
172 100
171 36.1 27.5 41.3
170 23.7 19.0 28.6

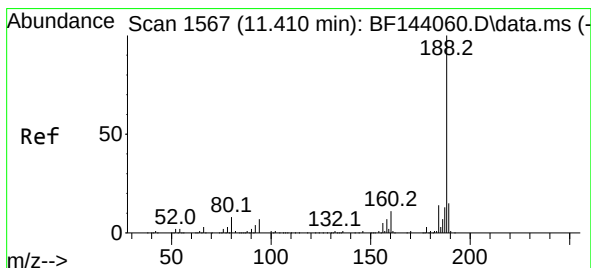
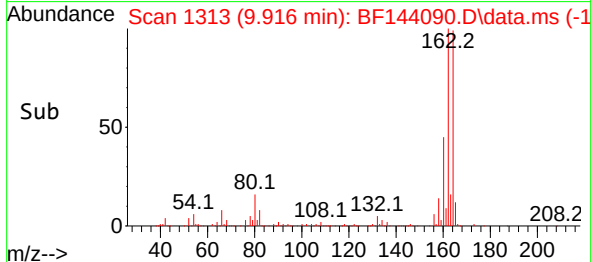
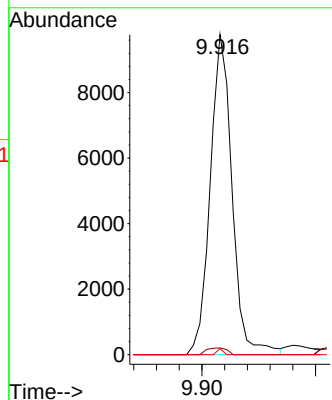
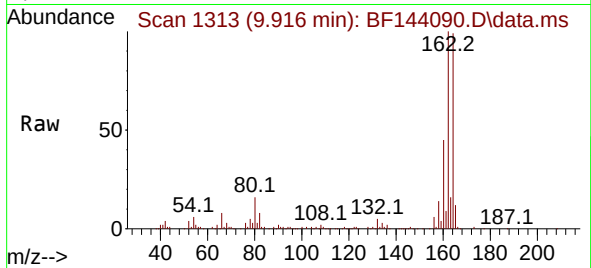




#51
2,6-Dinitrotoluene
Concen: 9.812 ng
RT: 9.916 min Scan# 11
Delta R.T. 0.218 min
Lab File: BF144090.D
Acq: 27 Oct 2025 18:32

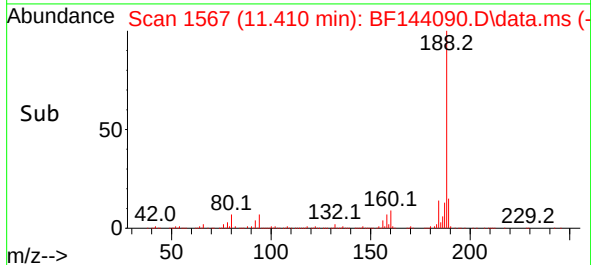
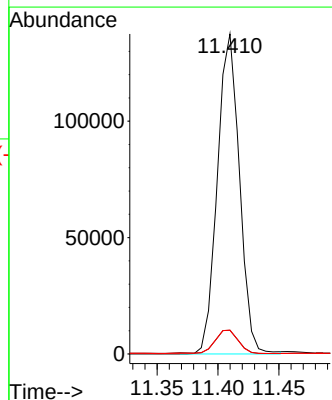
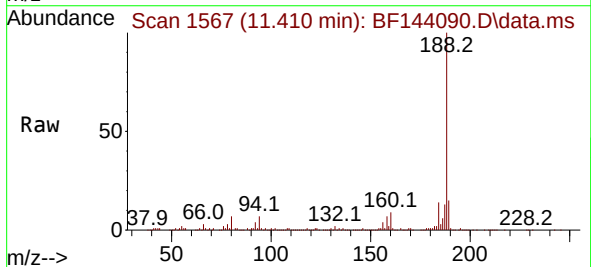
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P001-TW2-251023-01

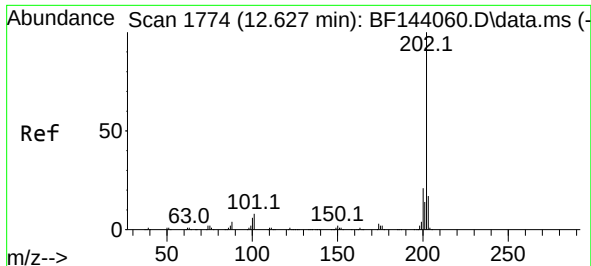
Tgt Ion:165 Resp: 13036
Ion Ratio Lower Upper
165 100
63 2.1 50.4 75.6#
89 1.9 41.4 62.2#



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.410 min Scan# 1567
Delta R.T. 0.000 min
Lab File: BF144090.D
Acq: 27 Oct 2025 18:32

Tgt Ion:188 Resp: 173962
Ion Ratio Lower Upper
188 100
94 7.4 5.4 8.0
80 7.5 6.0 9.0

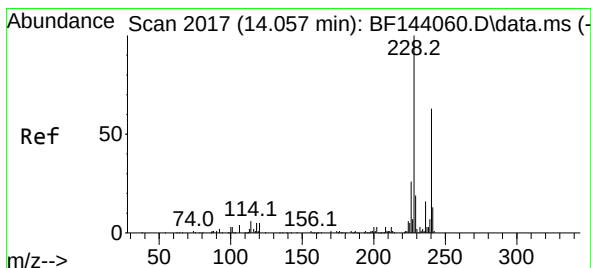
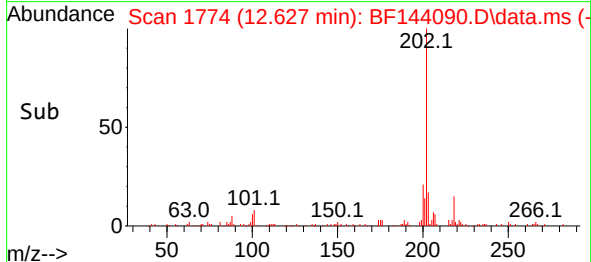
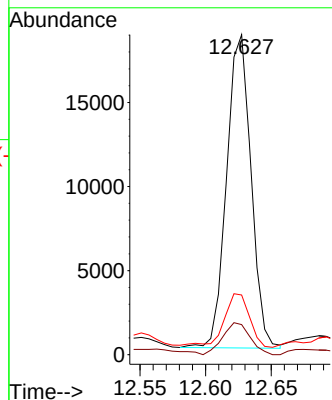
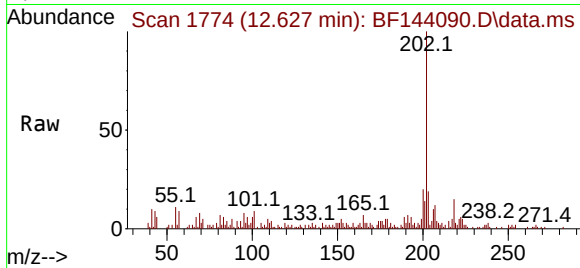




#75
Fluoranthene
Concen: 2.528 ng
RT: 12.627 min Scan# 1774
Delta R.T. 0.000 min
Lab File: BF144090.D
Acq: 27 Oct 2025 18:32

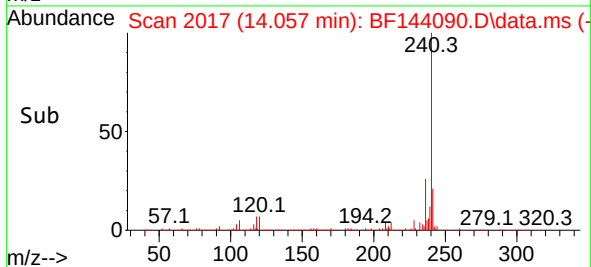
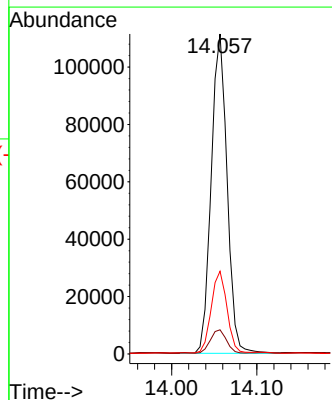
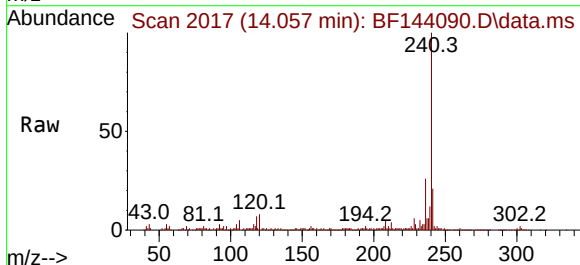
Instrument :
BNA_F
ClientSampleId :
P001-TW2-251023-01

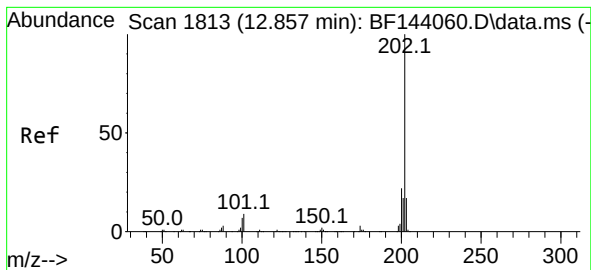
Tgt Ion:202 Resp: 24138
Ion Ratio Lower Upper
202 100
101 9.4 0.0 27.7
203 18.6 0.0 37.3



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.057 min Scan# 2017
Delta R.T. 0.000 min
Lab File: BF144090.D
Acq: 27 Oct 2025 18:32

Tgt Ion:240 Resp: 144501
Ion Ratio Lower Upper
240 100
120 7.5 6.5 9.7
236 25.9 20.1 30.1





#78

Pyrene

Concen: 4.383 ng

RT: 12.857 min Scan# 1813

Delta R.T. 0.000 min

Lab File: BF144090.D

Acq: 27 Oct 2025 18:32

Instrument :

BNA_F

ClientSampleId :

P001-TW2-251023-01

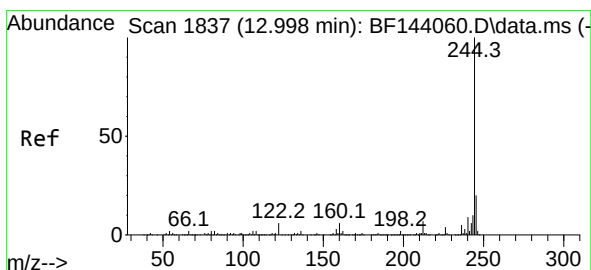
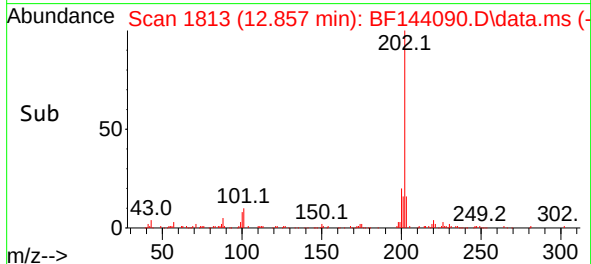
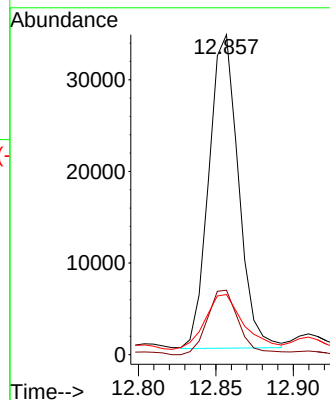
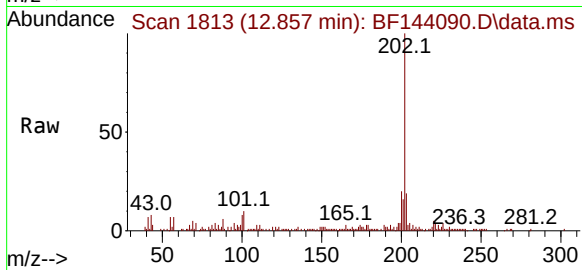
Tgt Ion:202 Resp: 45533

Ion Ratio Lower Upper

202 100

200 20.1 17.2 25.8

203 18.8 13.5 20.3



#79

Terphenyl-d14

Concen: 11.391 ng

RT: 12.992 min Scan# 1836

Delta R.T. -0.006 min

Lab File: BF144090.D

Acq: 27 Oct 2025 18:32

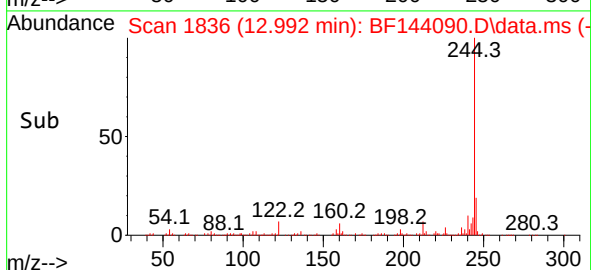
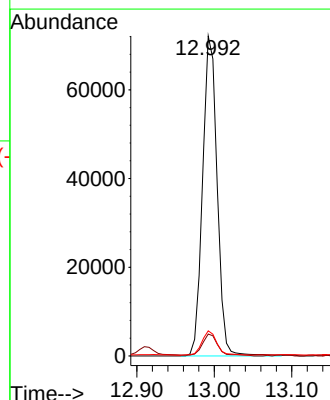
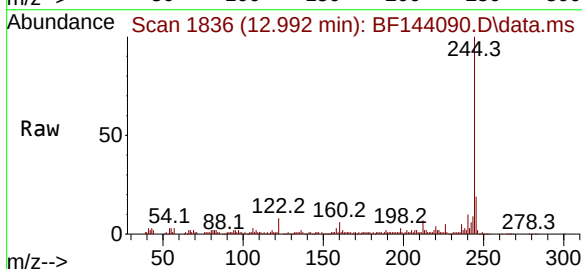
Tgt Ion:244 Resp: 94156

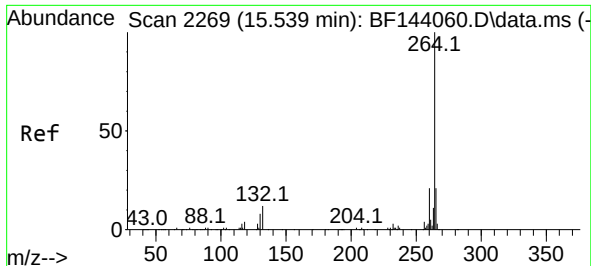
Ion Ratio Lower Upper

244 100

212 6.8 5.8 8.6

122 7.8 4.9 7.3#

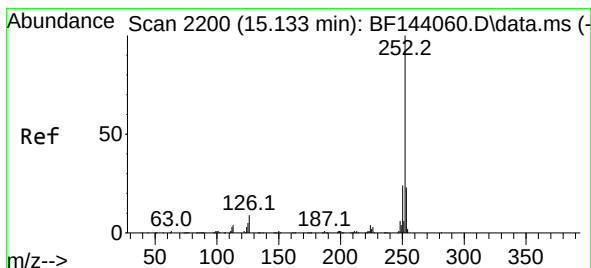
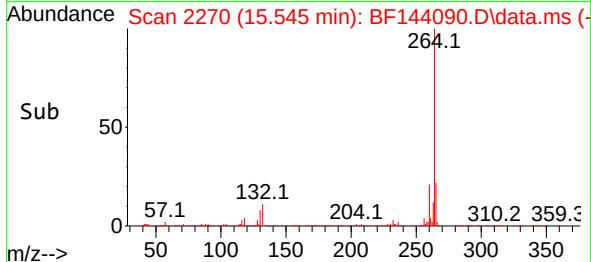
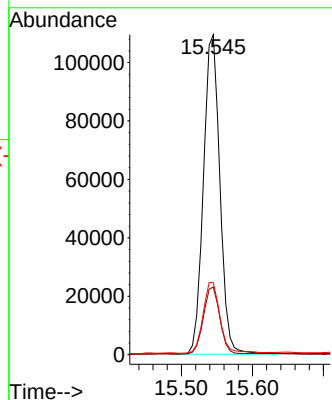
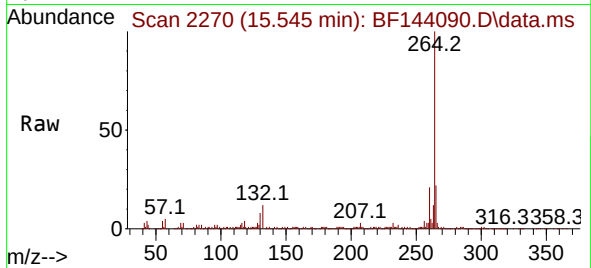




#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.545 min Scan# 2195
 Delta R.T. 0.006 min
 Lab File: BF144090.D
 Acq: 27 Oct 2025 18:32

Instrument :
 BNA_F
 ClientSampleId :
 P001-TW2-251023-01

Tgt Ion:264 Resp: 176316
 Ion Ratio Lower Upper
 264 100
 260 21.1 17.0 25.4
 265 22.5 16.6 24.8



#89
 Benzo(k)fluoranthene
 Concen: 2.160 ng
 RT: 15.104 min Scan# 2195
 Delta R.T. -0.029 min
 Lab File: BF144090.D
 Acq: 27 Oct 2025 18:32

Tgt Ion:252 Resp: 19861
 Ion Ratio Lower Upper
 252 100
 253 25.4 17.4 26.2
 125 16.8 4.9 7.3#

