

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)

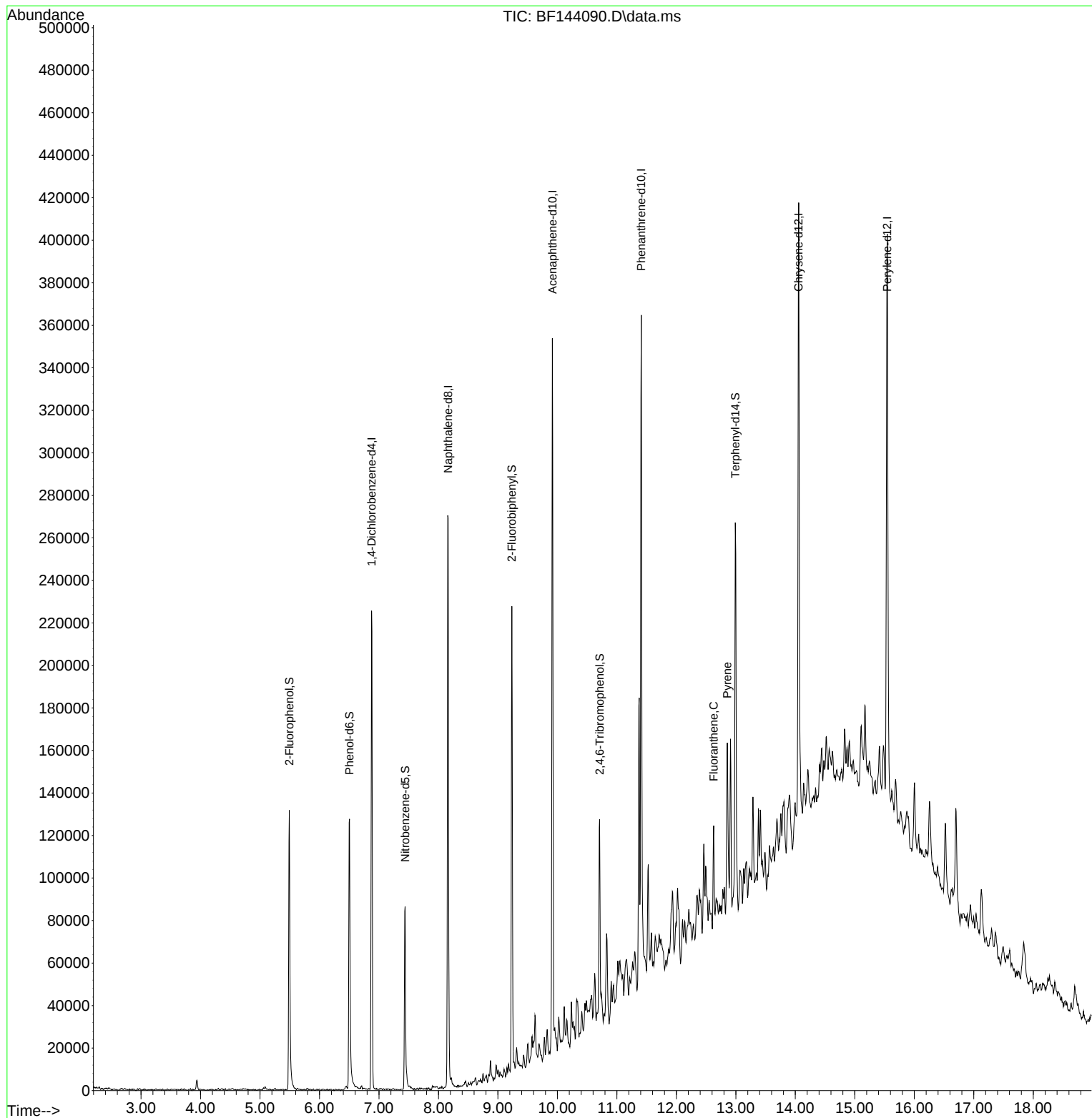
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.875	152	48570	20.000	ng	0.00
21) Naphthalene-d8	8.163	136	181995	20.000	ng	0.00
39) Acenaphthene-d10	9.916	164	102528	20.000	ng	0.00
64) Phenanthrene-d10	11.410	188	173962	20.000	ng	0.00
76) Chrysene-d12	14.057	240	144501	20.000	ng	0.00
86) Perylene-d12	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						
75) Fluoranthene	12.627	202	24138	2.528	ng	96
78) Pyrene	12.857	202	45533	4.383	ng	96

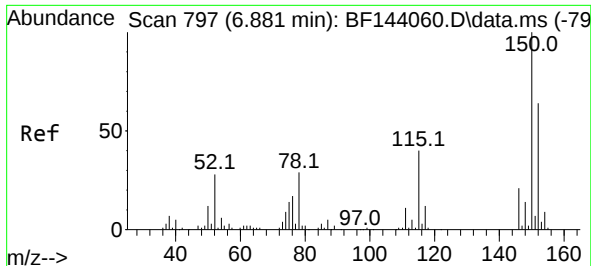
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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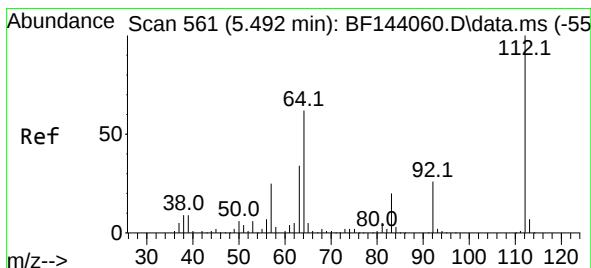
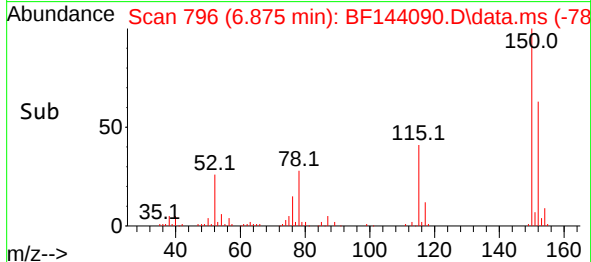
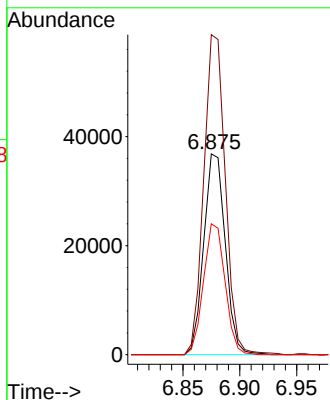
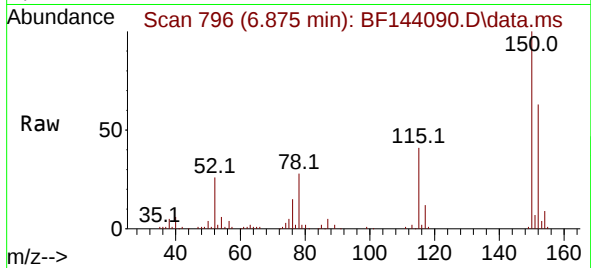




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.875 min Scan# 797
Delta R.T. -0.006 min
Lab File: BF144090.D
Acq: 27 Oct 2025 18:32

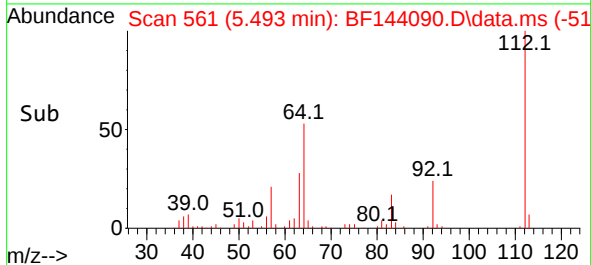
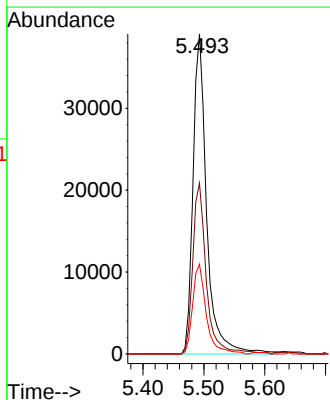
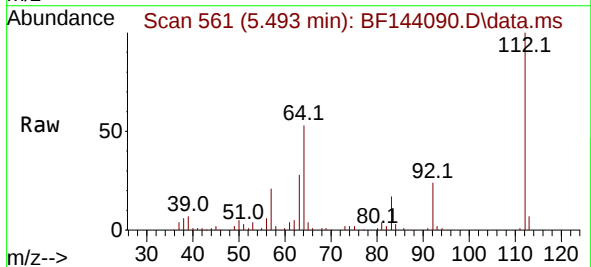
Instrument :
BNA_F
ClientSampleId :
P001-TW2-251023-01

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

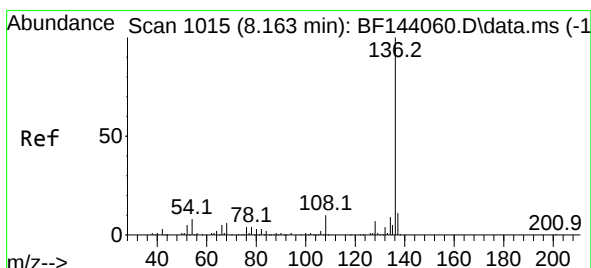
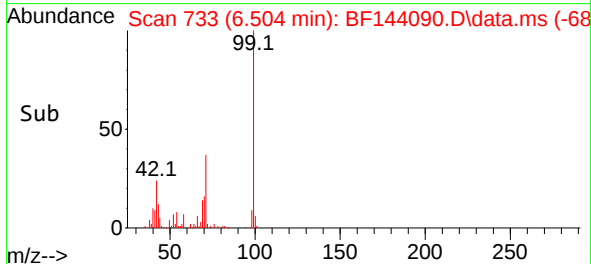
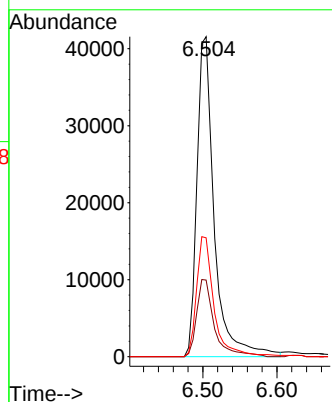
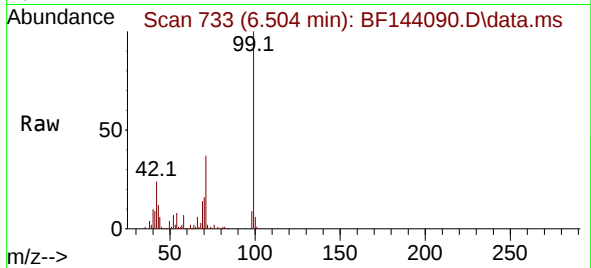




#7
Phenol-d6
Concen: 19.888 ng
RT: 6.504 min Scan# 71
Delta R.T. 0.000 min
Lab File: BF144090.D
Acq: 27 Oct 2025 18:32

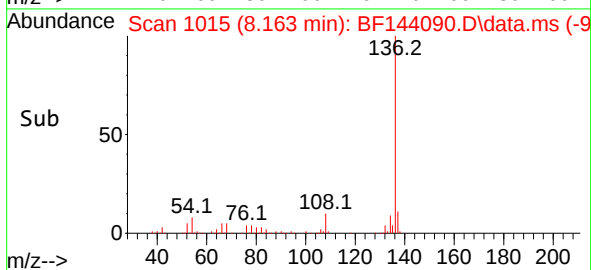
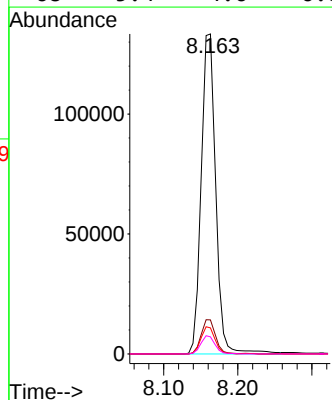
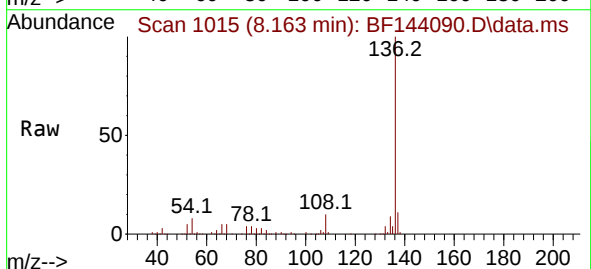
Instrument :
BNA_F
ClientSampleId :
P001-TW2-251023-01

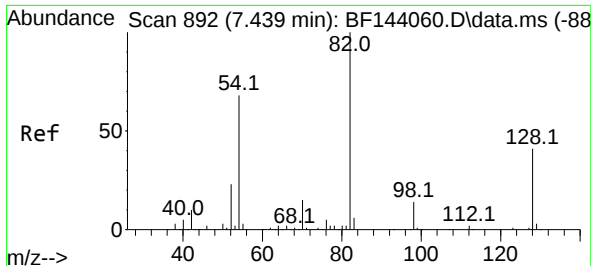
Tgt Ion: 99 Resp: 67428
Ion Ratio Lower Upper
99 100
42 23.9 23.9 35.9
71 37.1 34.4 51.6



#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

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

Instrument :

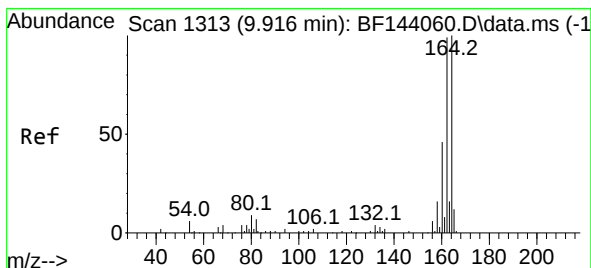
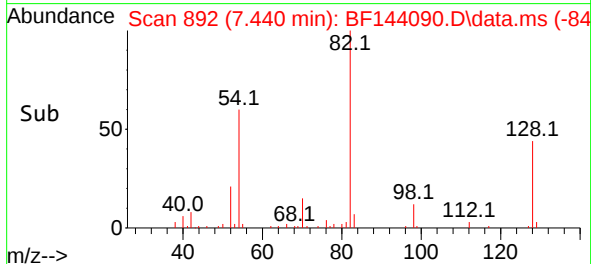
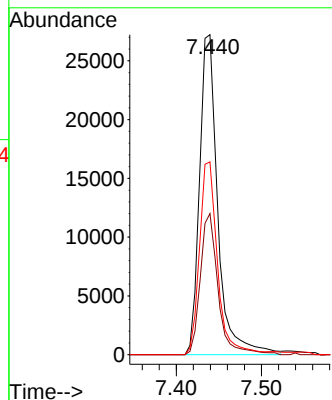
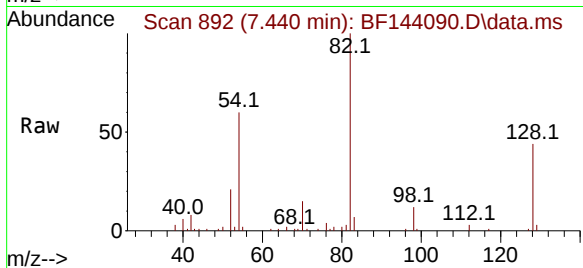
BNA_F

ClientSampleId :

P001-TW2-251023-01

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



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.916 min Scan# 1313

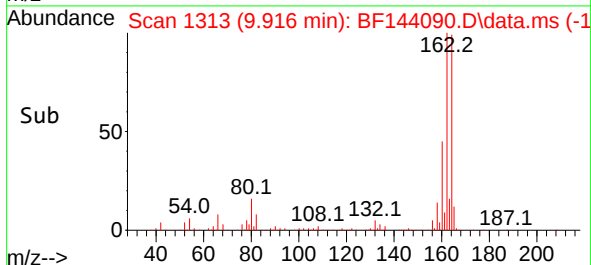
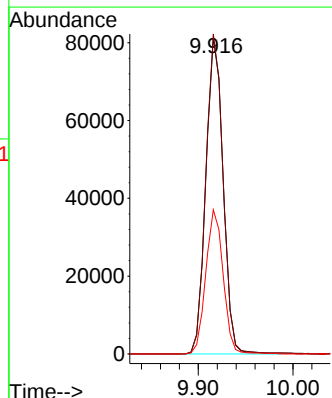
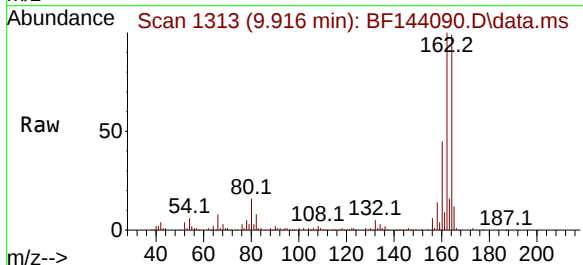
Delta R.T. 0.000 min

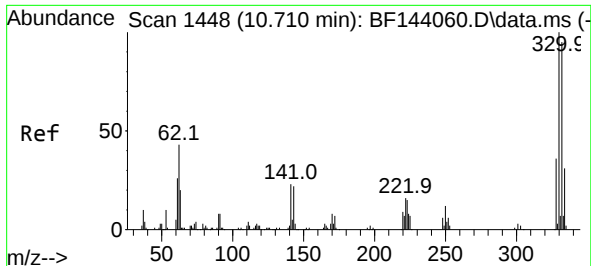
Lab File: BF144090.D

Acq: 27 Oct 2025 18:32

Tgt Ion: 164 Resp: 102528

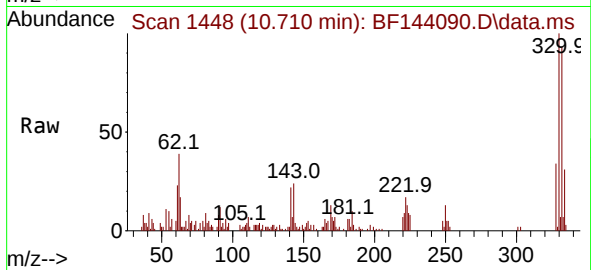
Ion	Ratio	Lower	Upper
164	100		
162	101.2	79.4	119.2
160	45.6	36.7	55.1



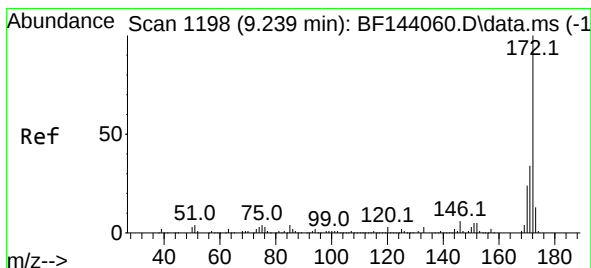
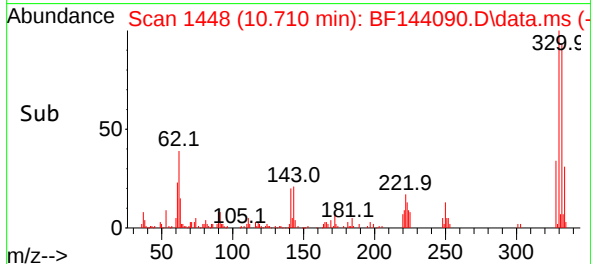
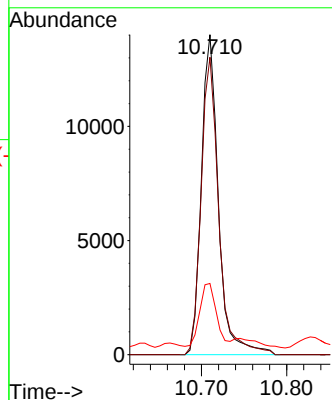


#42
2,4,6-Tribromophenol
Concen: 14.910 ng
RT: 10.710 min Scan# 1448
Delta R.T. 0.000 min
Lab File: BF144090.D
Acq: 27 Oct 2025 18:32

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

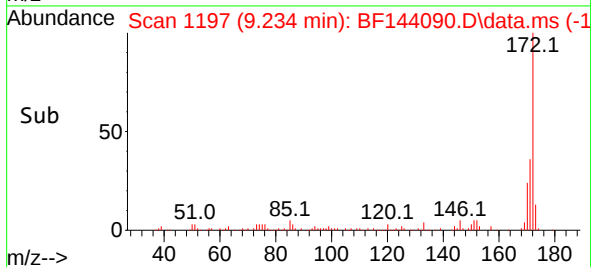
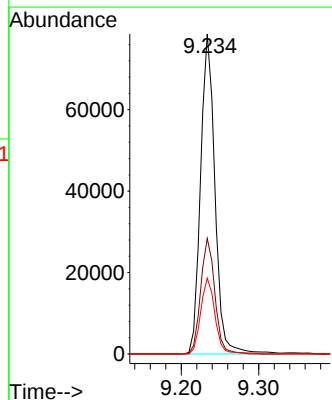
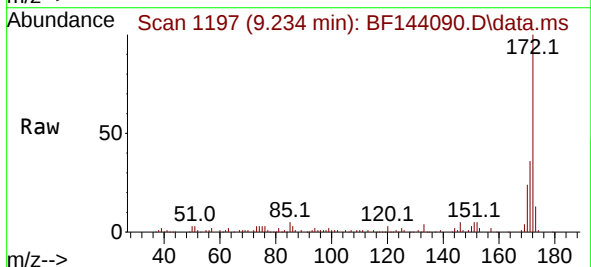


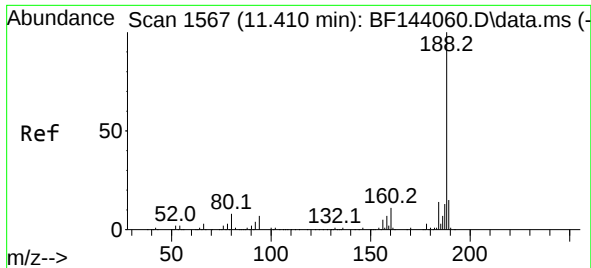
Tgt Ion:330 Resp: 19473
Ion Ratio Lower Upper
330 100
332 96.4 77.0 115.6
141 19.1 19.4 29.0#



#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

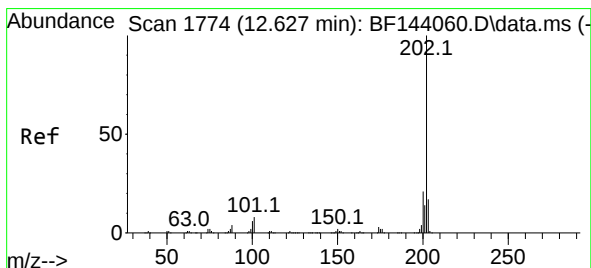
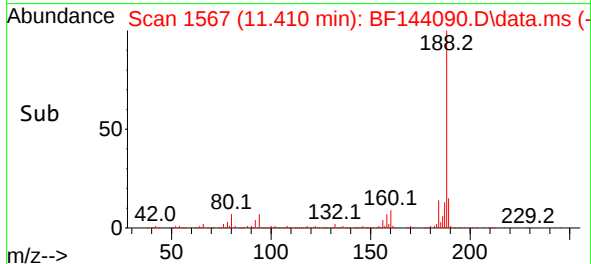
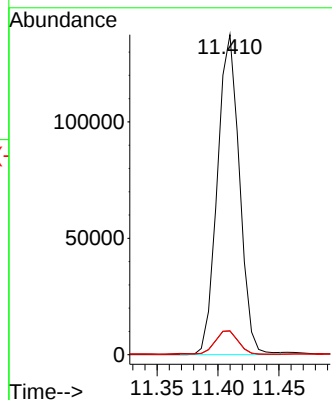
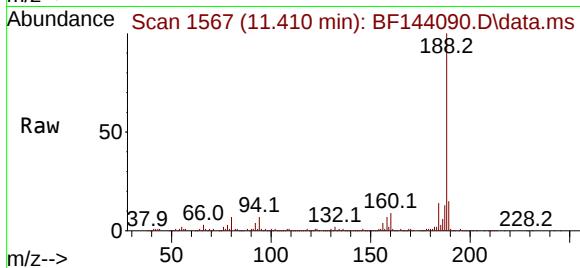




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.410 min Scan# 1567
Delta R.T. 0.000 min
Lab File: BF144090.D
Acq: 27 Oct 2025 18:32

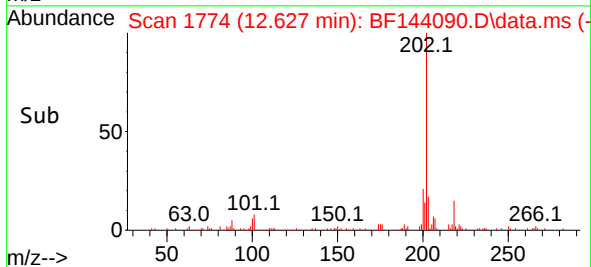
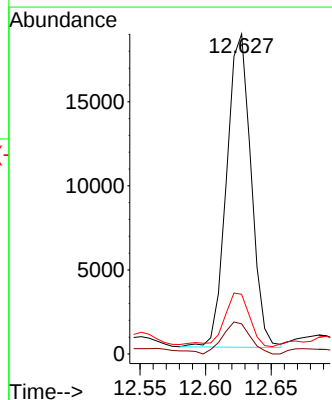
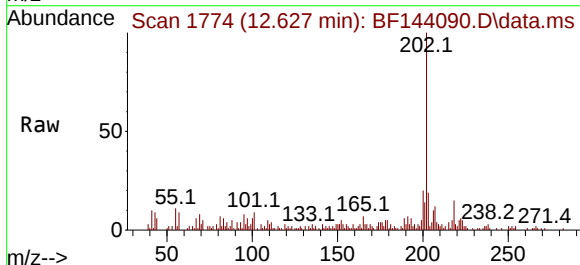
Instrument :
BNA_F
ClientSampleId :
P001-TW2-251023-01

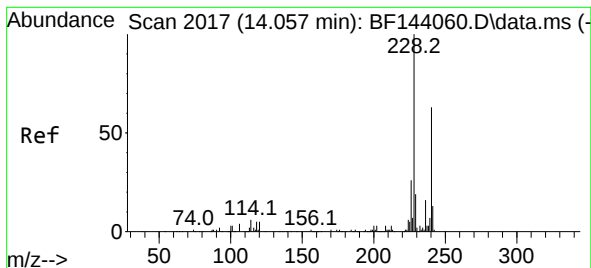
Tgt Ion:188 Resp: 173962
Ion Ratio Lower Upper
188 100
94 7.4 5.4 8.0
80 7.5 6.0 9.0



#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

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

Instrument :

BNA_F

ClientSampleId :

P001-TW2-251023-01

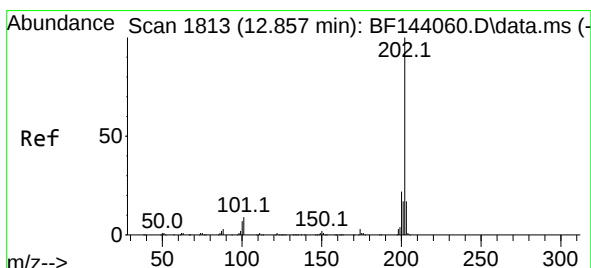
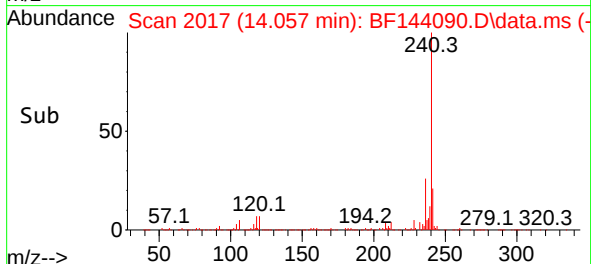
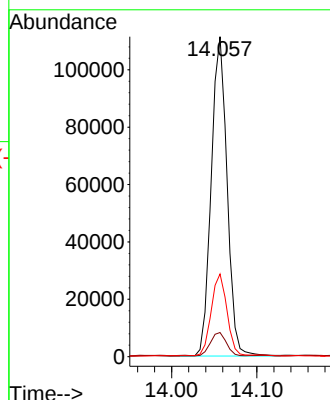
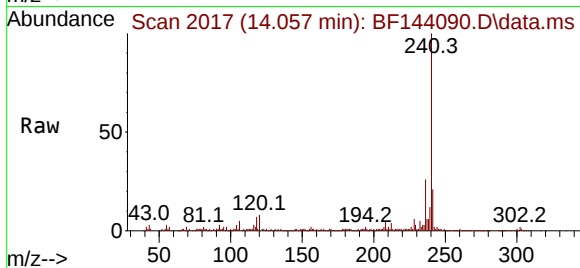
Tgt Ion:240 Resp: 144501

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

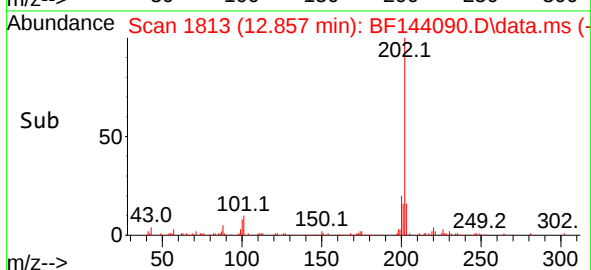
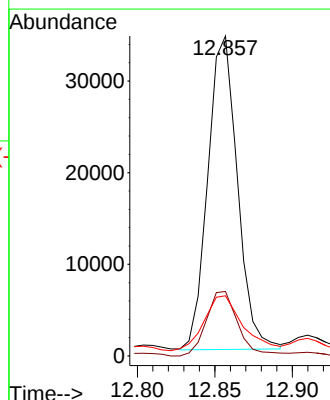
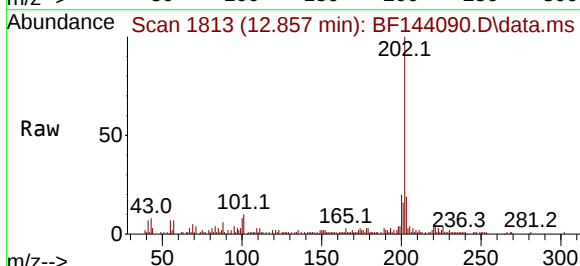
Tgt Ion:202 Resp: 45533

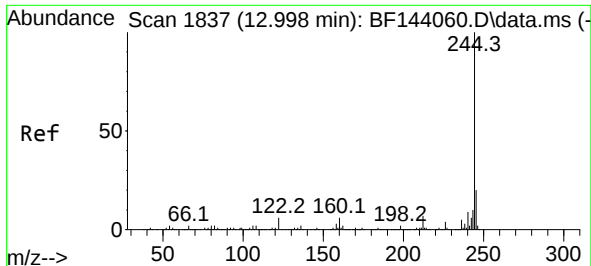
Ion Ratio Lower Upper

202 100

200 20.1 17.2 25.8

203 18.8 13.5 20.3

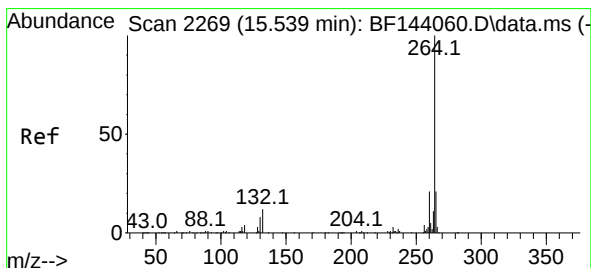
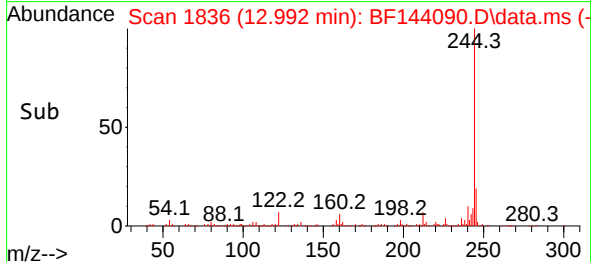
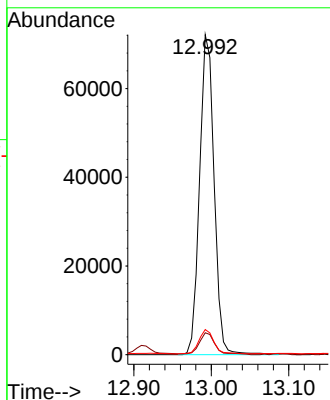
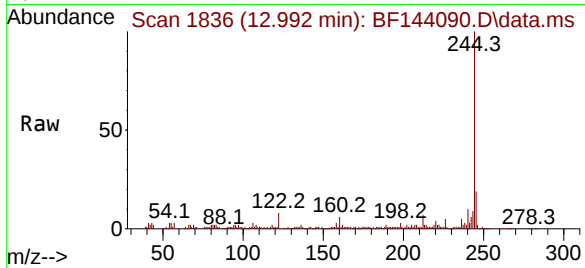




#79
 Terphenyl-d14
 Concen: 11.391 ng
 RT: 12.992 min Scan# 11
 Delta R.T. -0.006 min
 Lab File: BF144090.D
 Acq: 27 Oct 2025 18:32

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

Tgt Ion: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# 2270
 Delta R.T. 0.006 min
 Lab File: BF144090.D
 Acq: 27 Oct 2025 18:32

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

