

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF102925\
 Data File : BF144139.D
 Acq On : 29 Oct 2025 20:29
 Operator : RC/JU
 Sample : Q3472-06 20X
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 COMP-2

Quant Time: Oct 30 02:22:27 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)

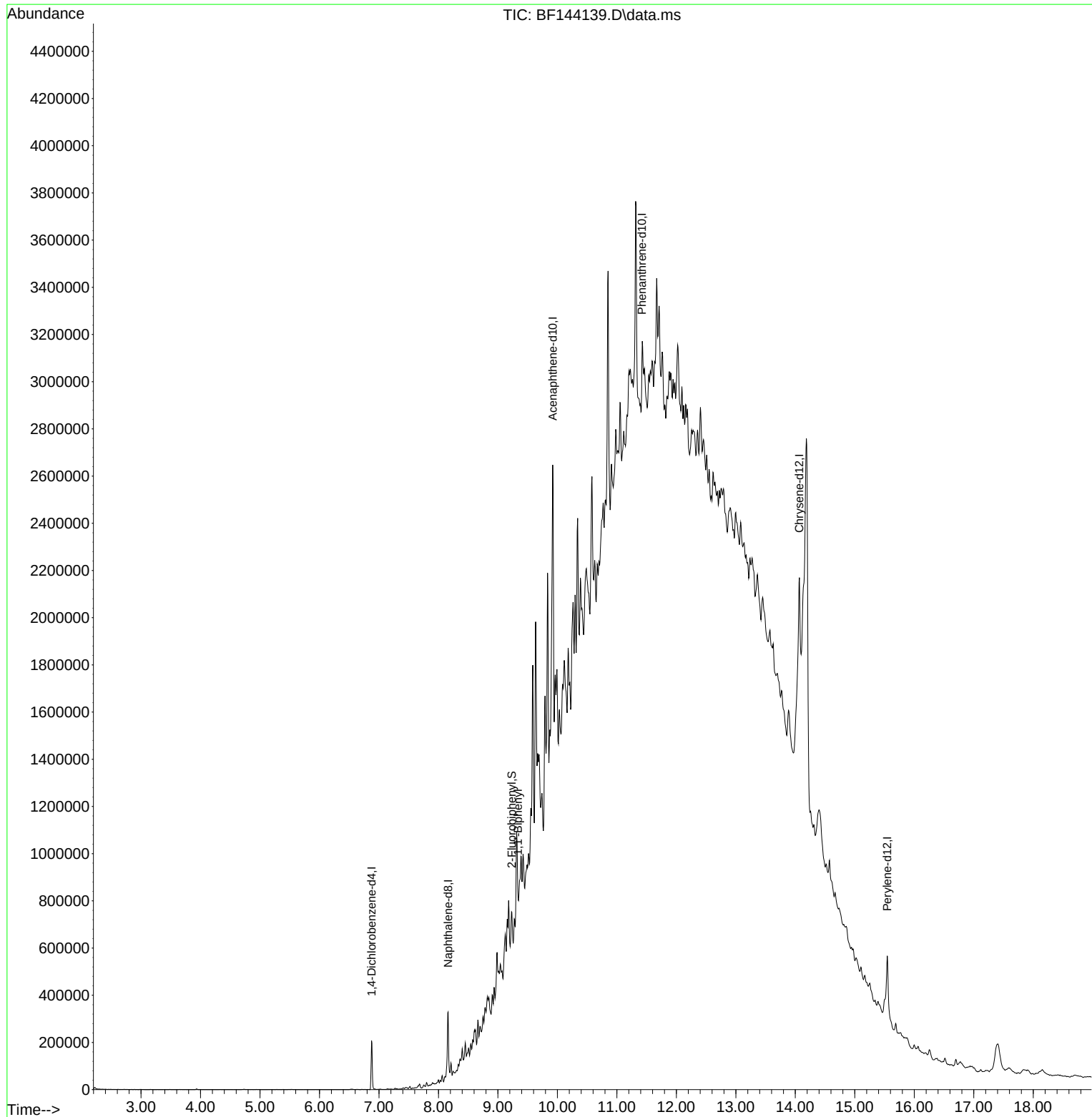
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.875	152	46200	20.000	ng	0.00
21) Naphthalene-d8	8.163	136	170375	20.000	ng	0.00
39) Acenaphthene-d10	9.922	164	64452	20.000	ng	0.00
64) Phenanthrene-d10	11.422	188	94083	20.000	ng	# 0.01
76) Chrysene-d12	14.069	240	107672	20.000	ng	# 0.01
86) Perylene-d12	15.545	264	113777	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.528	112	786	0.269	ng	0.04
7) Phenol-d6	6.528	99	2168	0.672	ng	0.02
23) Nitrobenzene-d5	7.445	82	2895	0.931	ng	0.00
42) 2,4,6-Tribromophenol	10.728	330	1498	1.825	ng	0.02
45) 2-Fluorobiphenyl	9.234	172	11433	2.496	ng	0.00
79) Terphenyl-d14	13.010	244	10235	1.662	ng	0.01
Target Compounds						
46) 1,1'-Biphenyl	9.339	154	18361	3.980	ng	Qvalue 91

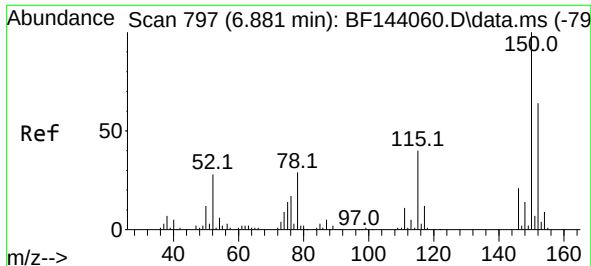
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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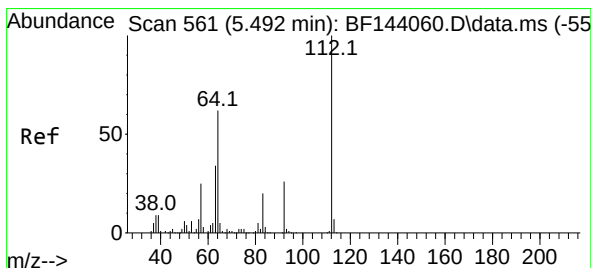
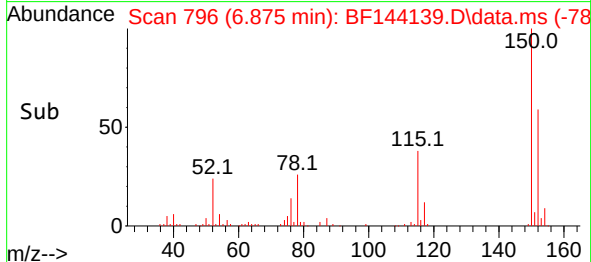
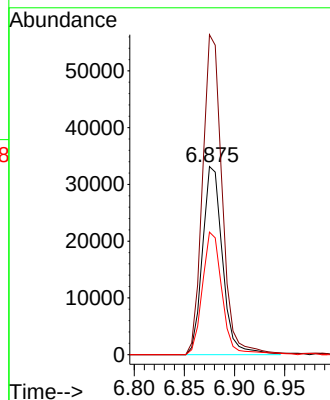
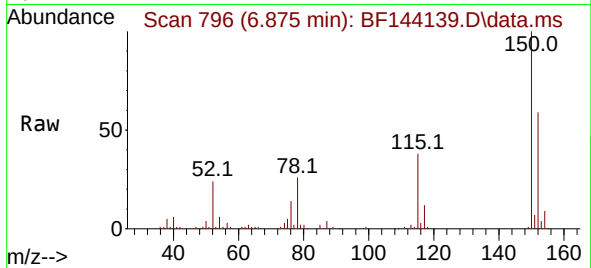




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.875 min Scan# 797
 Delta R.T. -0.006 min
 Lab File: BF144139.D
 Acq: 29 Oct 2025 20:29

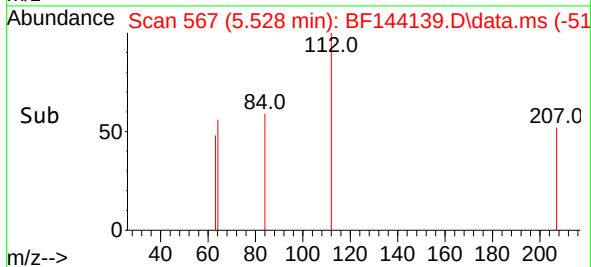
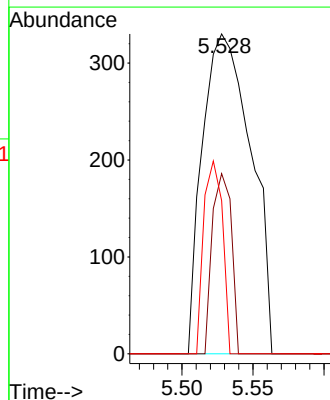
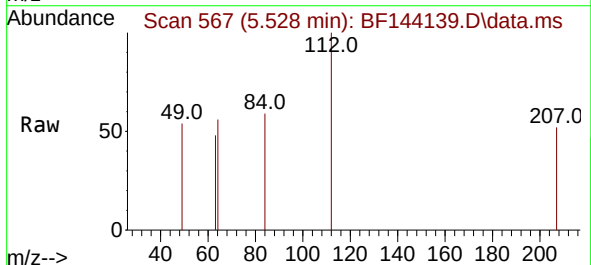
Instrument :
 BNA_F
 ClientSampleId :
 COMP-2

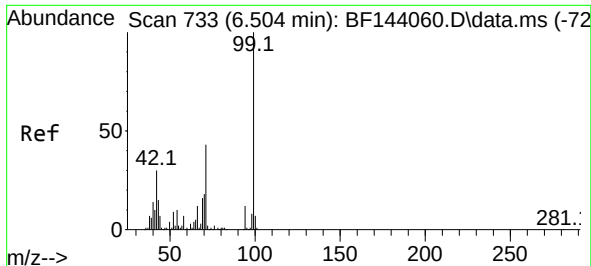
Tgt Ion:152 Resp: 46200
 Ion Ratio Lower Upper
 152 100
 150 170.1 124.4 186.6
 115 65.1 49.4 74.0



#5
 2-Fluorophenol
 Concen: 0.269 ng
 RT: 5.528 min Scan# 567
 Delta R.T. 0.035 min
 Lab File: BF144139.D
 Acq: 29 Oct 2025 20:29

Tgt Ion:112 Resp: 786
 Ion Ratio Lower Upper
 112 100
 64 56.4 49.8 74.8
 63 47.9 27.4 41.2#

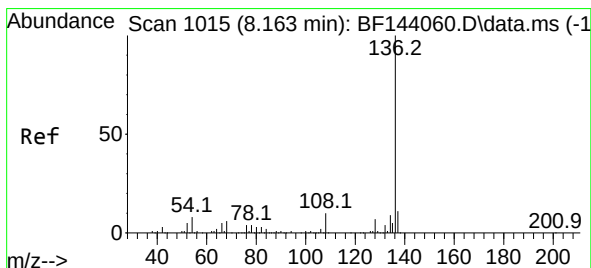
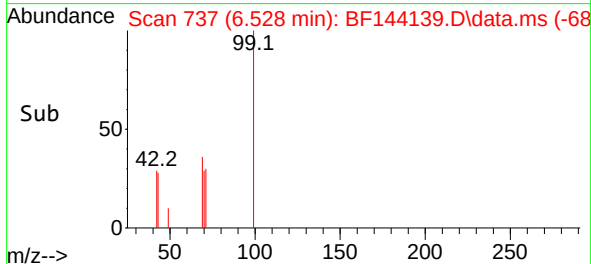
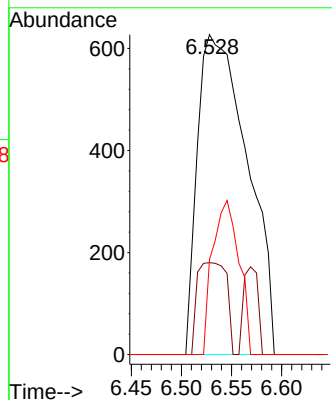
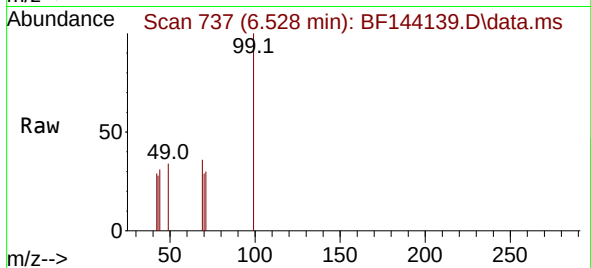




#7
Phenol-d6
Concen: 0.672 ng
RT: 6.528 min Scan# 71
Delta R.T. 0.024 min
Lab File: BF144139.D
Acq: 29 Oct 2025 20:29

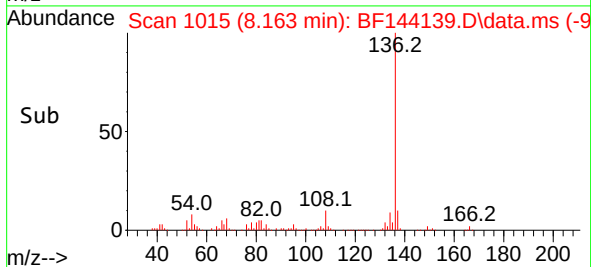
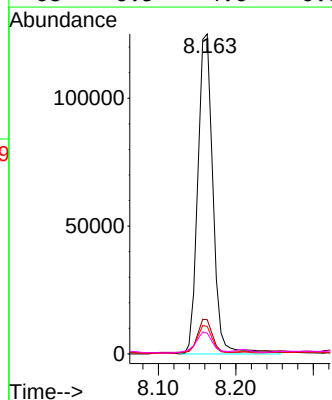
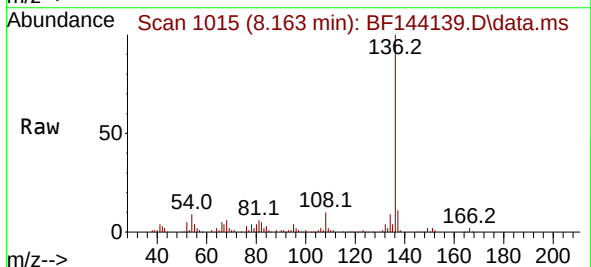
Instrument :
BNA_F
ClientSampleId :
COMP-2

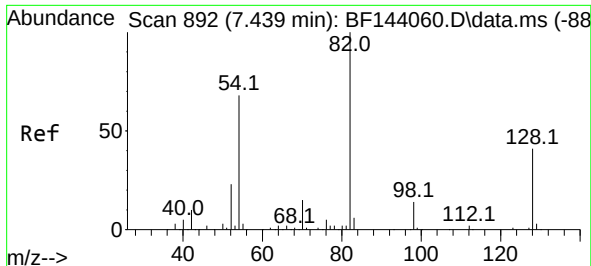
Tgt Ion: 99 Resp: 2168
Ion Ratio Lower Upper
99 100
42 28.7 23.9 35.9
71 29.7 34.4 51.6#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.163 min Scan# 1015
Delta R.T. 0.000 min
Lab File: BF144139.D
Acq: 29 Oct 2025 20:29

Tgt Ion: 136 Resp: 170375
Ion Ratio Lower Upper
136 100
137 10.7 8.6 13.0
54 8.6 6.6 9.8
68 6.5 4.6 6.8

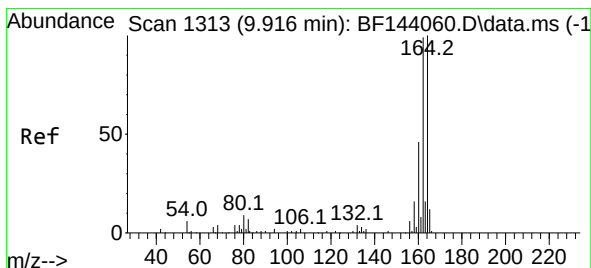
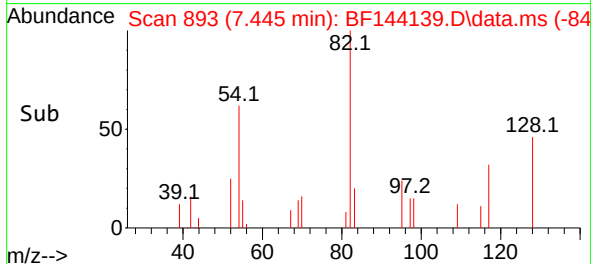
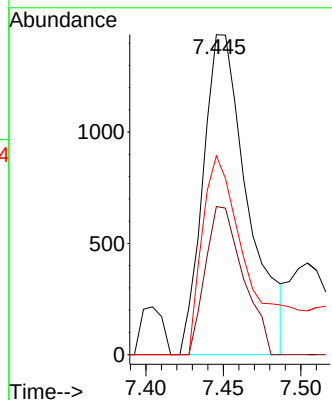
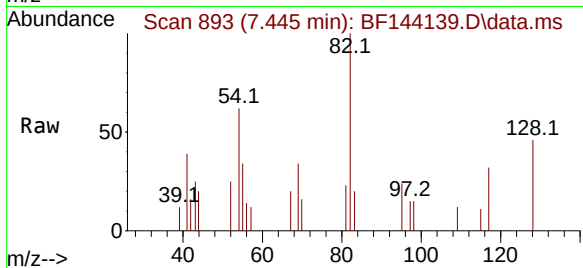




#23
Nitrobenzene-d5
Concen: 0.931 ng
RT: 7.445 min Scan# 892
Delta R.T. 0.006 min
Lab File: BF144139.D
Acq: 29 Oct 2025 20:29

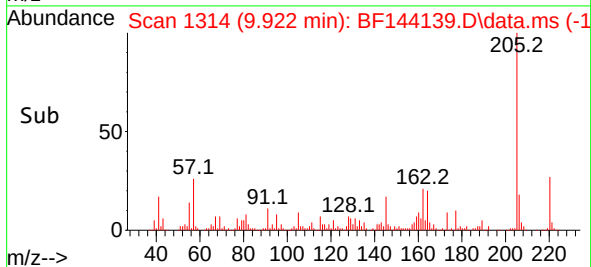
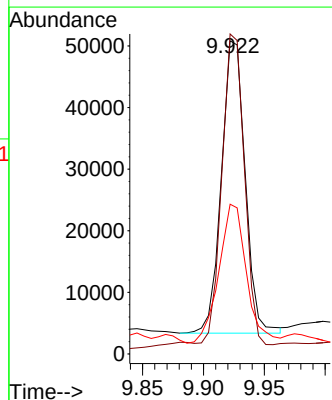
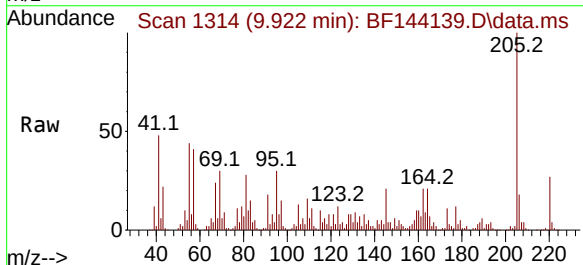
Instrument :
BNA_F
ClientSampleId :
COMP-2

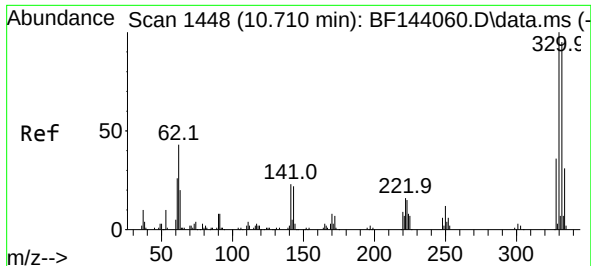
Tgt Ion: 82 Resp: 2895
Ion Ratio Lower Upper
82 100
128 46.3 32.4 48.6
54 62.2 54.0 81.0



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.922 min Scan# 1314
Delta R.T. 0.006 min
Lab File: BF144139.D
Acq: 29 Oct 2025 20:29

Tgt Ion:164 Resp: 64452
Ion Ratio Lower Upper
164 100
162 102.2 79.4 119.2
160 47.8 36.7 55.1

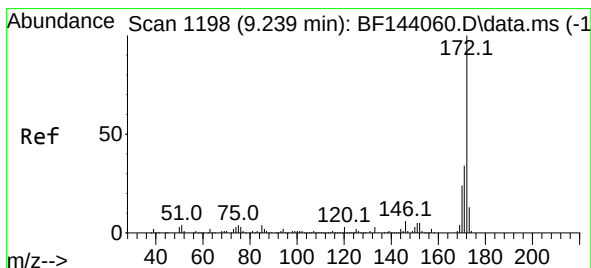
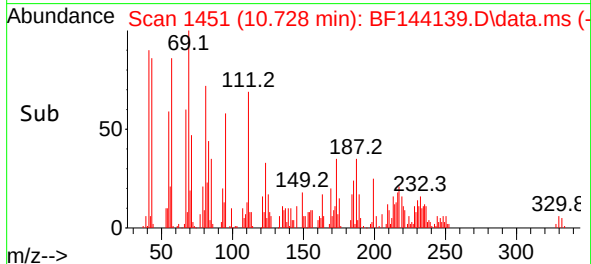
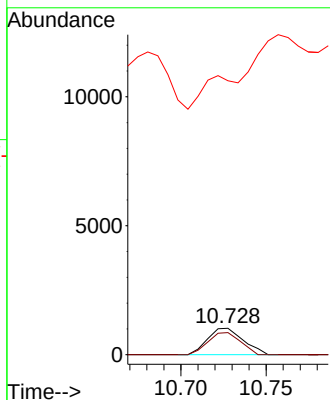
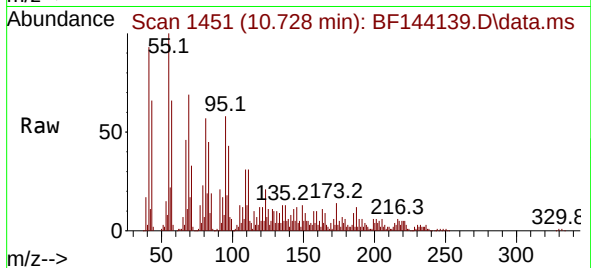




#42
2,4,6-Tribromophenol
Concen: 1.825 ng
RT: 10.728 min Scan# 1448
Delta R.T. 0.018 min
Lab File: BF144139.D
Acq: 29 Oct 2025 20:29

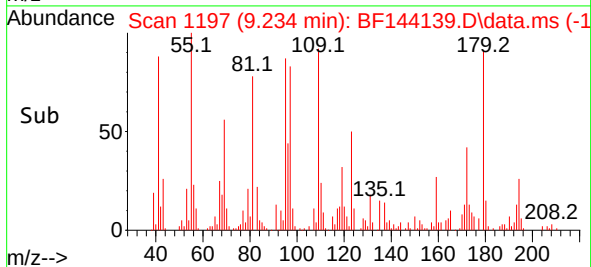
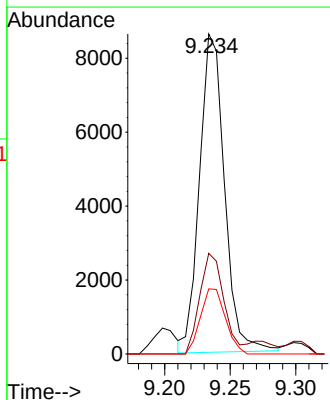
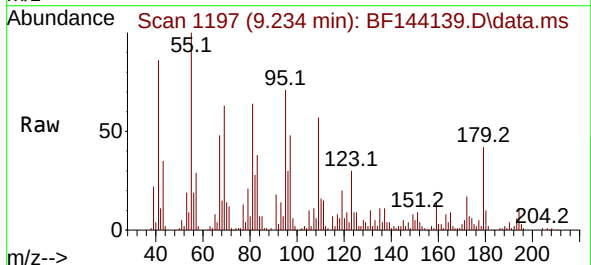
Instrument :
BNA_F
ClientSampleId :
COMP-2

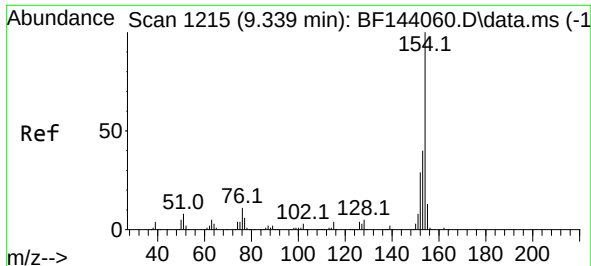
Tgt Ion:330 Resp: 1498
Ion Ratio Lower Upper
330 100
332 76.0 77.0 115.6#
141 119.0 19.4 29.0#



#45
2-Fluorobiphenyl
Concen: 2.496 ng
RT: 9.234 min Scan# 1197
Delta R.T. -0.006 min
Lab File: BF144139.D
Acq: 29 Oct 2025 20:29

Tgt Ion:172 Resp: 11433
Ion Ratio Lower Upper
172 100
171 31.5 27.5 41.3
170 20.3 19.0 28.6

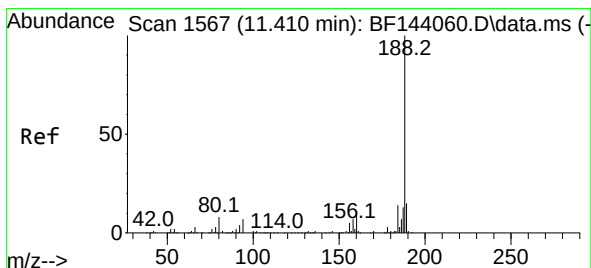
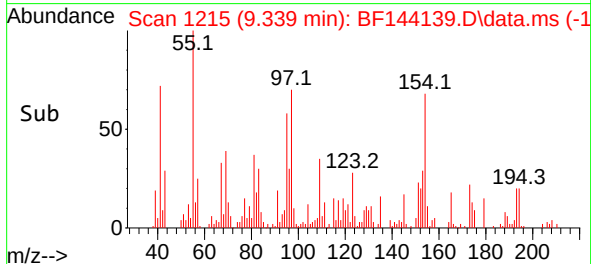
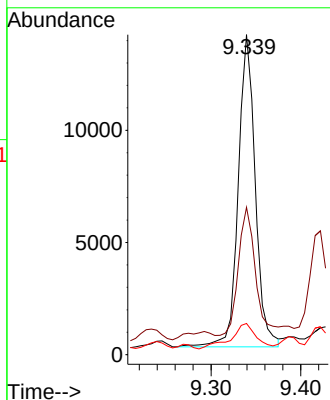
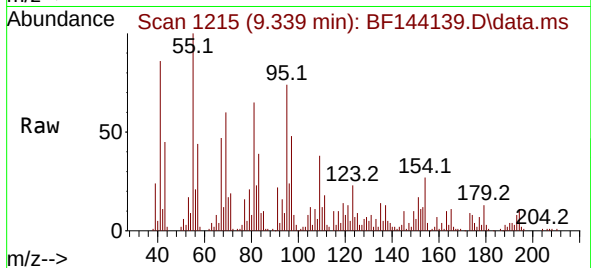




#46
1,1'-Biphenyl
Concen: 3.980 ng
RT: 9.339 min Scan# 11
Delta R.T. 0.000 min
Lab File: BF144139.D
Acq: 29 Oct 2025 20:29

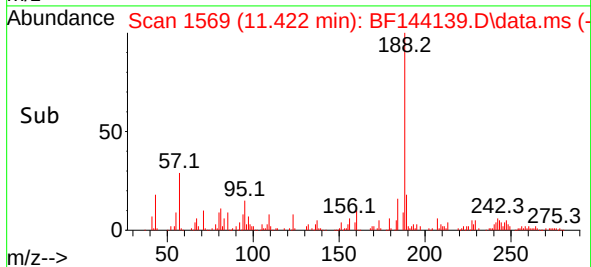
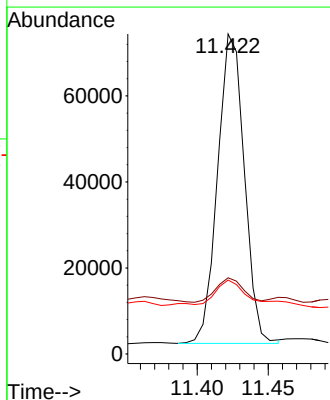
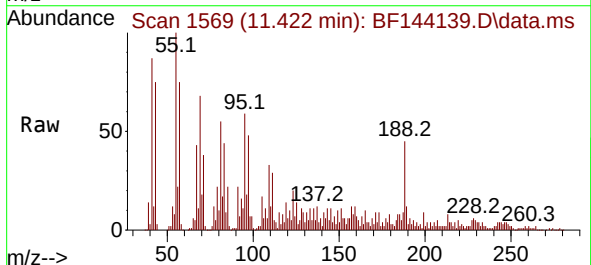
Instrument :
BNA_F
ClientSampleId :
COMP-2

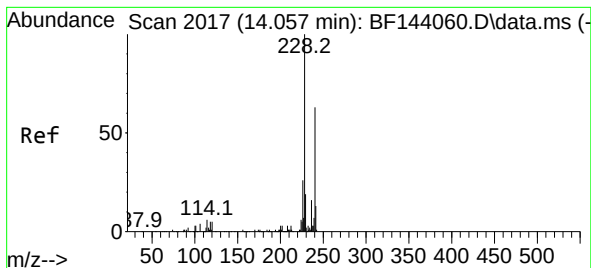
Tgt Ion:154 Resp: 18361
Ion Ratio Lower Upper
154 100
153 46.0 19.7 59.7
76 9.8 0.0 31.1



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.422 min Scan# 1569
Delta R.T. 0.012 min
Lab File: BF144139.D
Acq: 29 Oct 2025 20:29

Tgt Ion:188 Resp: 94083
Ion Ratio Lower Upper
188 100
94 23.8 5.4 8.0#
80 23.1 6.0 9.0#





#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.069 min Scan# 2017

Delta R.T. 0.012 min

Lab File: BF144139.D

Acq: 29 Oct 2025 20:29

Instrument :

BNA_F

ClientSampleId :

COMP-2

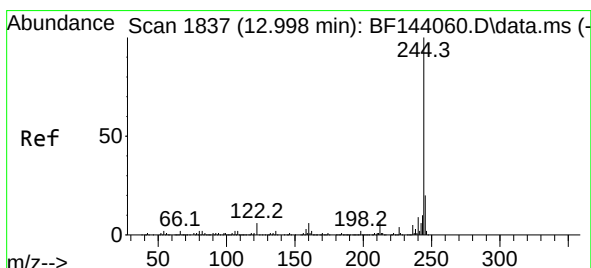
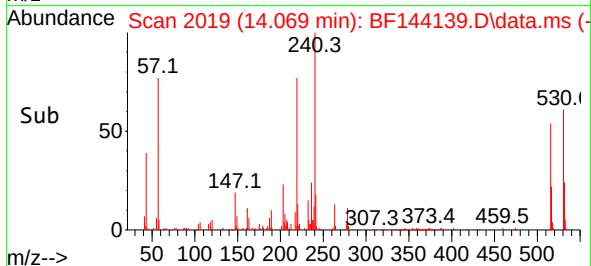
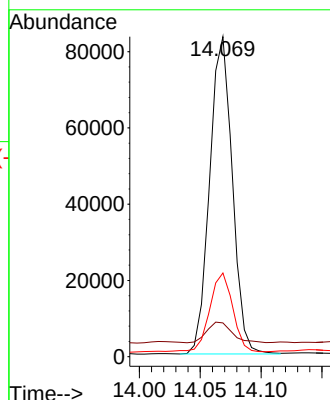
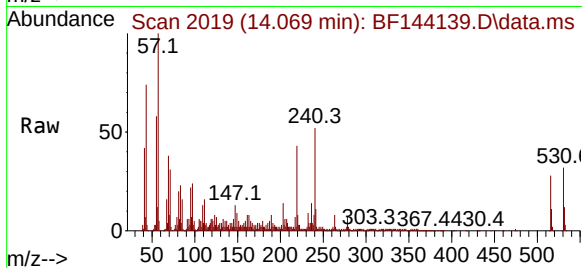
Tgt Ion:240 Resp: 107672

Ion Ratio Lower Upper

240 100

120 10.6 6.5 9.7#

236 26.2 20.1 30.1



#79

Terphenyl-d14

Concen: 1.662 ng

RT: 13.010 min Scan# 1839

Delta R.T. 0.012 min

Lab File: BF144139.D

Acq: 29 Oct 2025 20:29

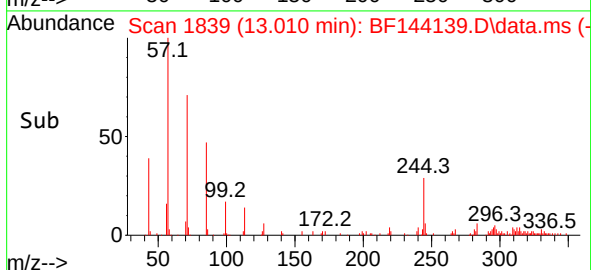
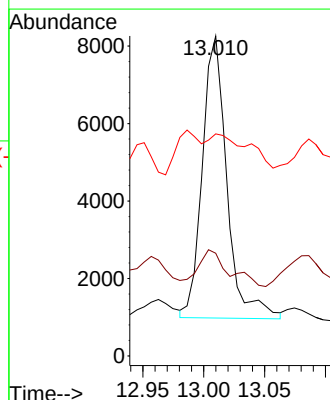
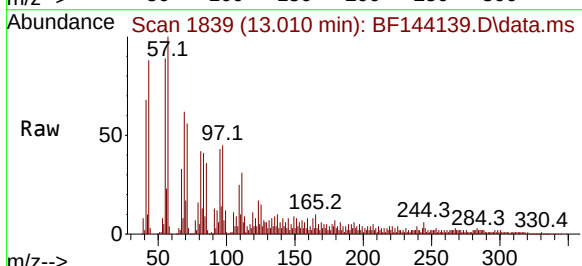
Tgt Ion:244 Resp: 10235

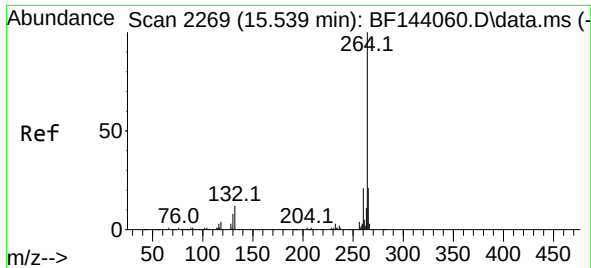
Ion Ratio Lower Upper

244 100

212 32.1 5.8 8.6#

122 69.4 4.9 7.3#





#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.545 min Scan# 21
 Delta R.T. 0.006 min
 Lab File: BF144139.D
 Acq: 29 Oct 2025 20:29

Instrument :
 BNA_F
 ClientSampleId :
 COMP-2

Tgt Ion:264 Resp: 113777
 Ion Ratio Lower Upper
 264 100
 260 21.8 17.0 25.4
 265 21.8 16.6 24.8

