

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF112425\
 Data File : BF144328.D
 Acq On : 24 Nov 2025 17:19
 Operator : RC/JU
 Sample : Q3707-03
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 V933

Quant Time: Nov 25 00:26:09 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF110525.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Nov 05 18:37:33 2025
 Response via : Initial Calibration

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

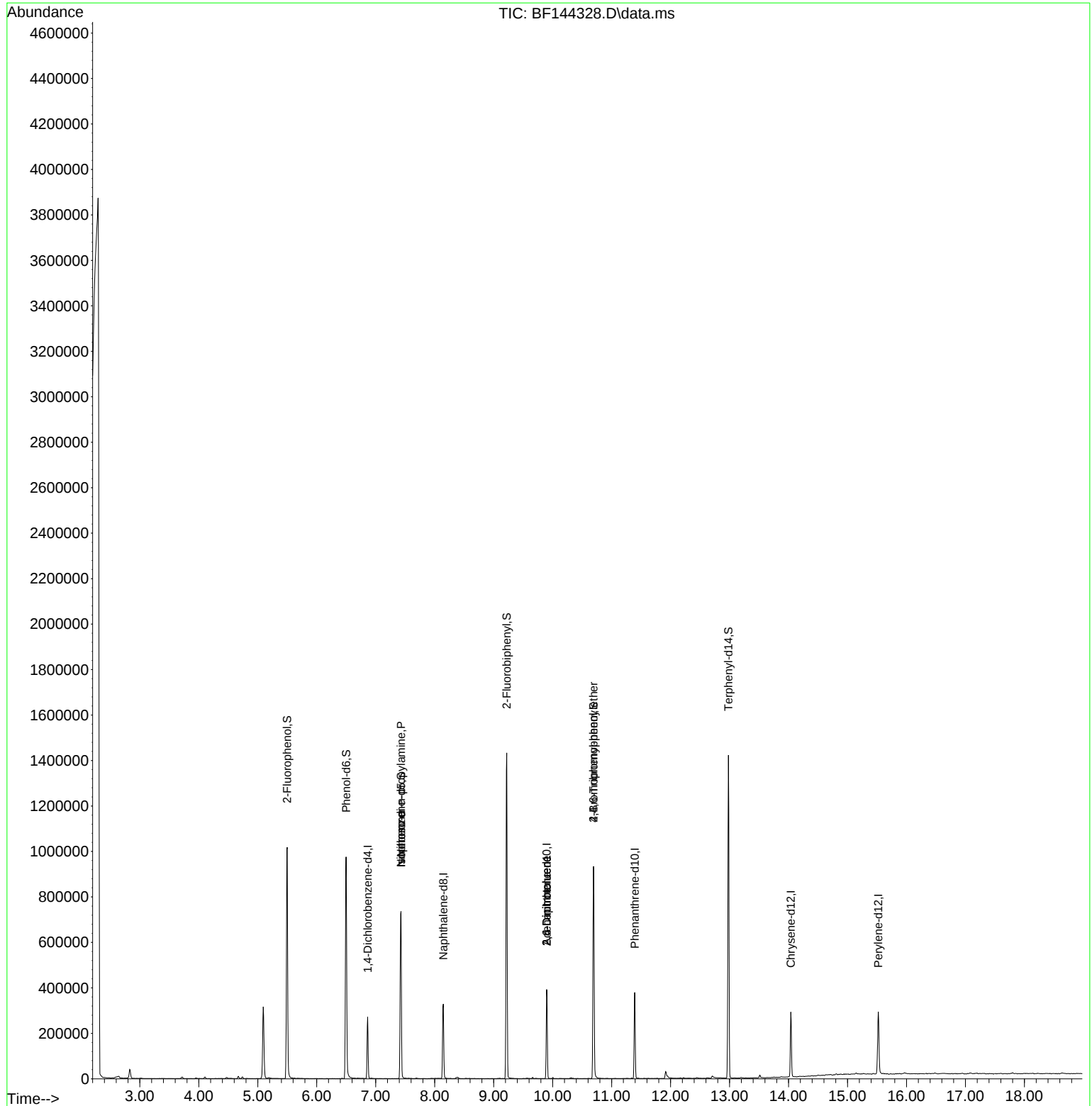
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.863	152	57842	20.000	ng	-0.01
21) Naphthalene-d8	8.145	136	222441	20.000	ng	-0.01
39) Acenaphthene-d10	9.898	164	125067	20.000	ng	-0.02
64) Phenanthrene-d10	11.392	188	208213	20.000	ng	-0.01
76) Chrysene-d12	14.039	240	145220	20.000	ng	-0.01
86) Perylene-d12	15.521	264	178328	20.000	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.499	112	416859	112.778	ng	0.00
7) Phenol-d6	6.498	99	455694	108.805	ng	0.00
23) Nitrobenzene-d5	7.428	82	325308	84.464	ng	0.00
42) 2,4,6-Tribromophenol	10.692	330	198201	126.287	ng	-0.01
45) 2-Fluorobiphenyl	9.222	172	697941	82.421	ng	0.00
79) Terphenyl-d14	12.980	244	772781	84.526	ng	-0.01
Target Compounds						Qvalue
19) n-Nitroso-di-n-propyla...	7.428	70	46673	16.928	ng	# 77
25) Isophorone	7.428	82	325302	44.653	ng	# 66
51) 2,6-Dinitrotoluene	9.898	165	15909	9.485	ng	# 27
57) 2,4-Dinitrotoluene	9.898	165	15909	7.085	ng	# 27
67) 4-Bromophenyl-phenylether	10.692	248	11468	4.315	ng	# 1

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

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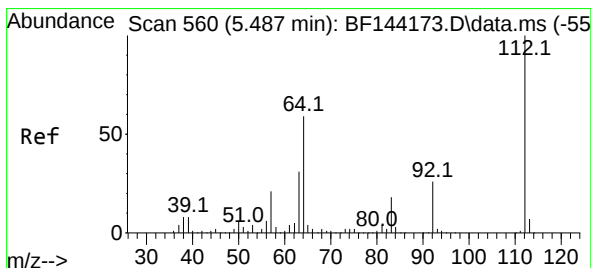
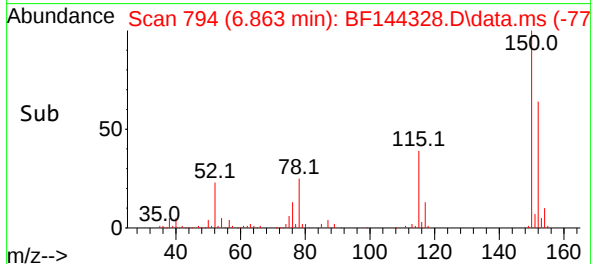
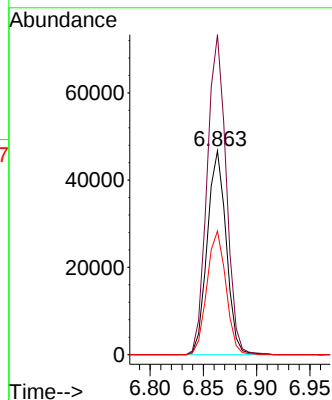
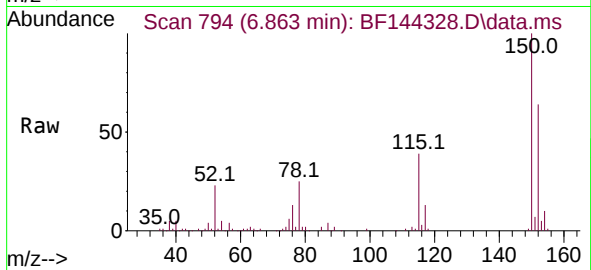




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.863 min Scan# 796
Delta R.T. -0.012 min
Lab File: BF144328.D
Acq: 24 Nov 2025 17:19

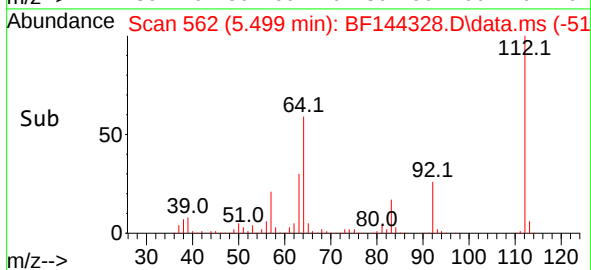
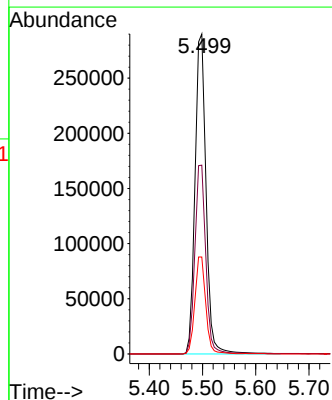
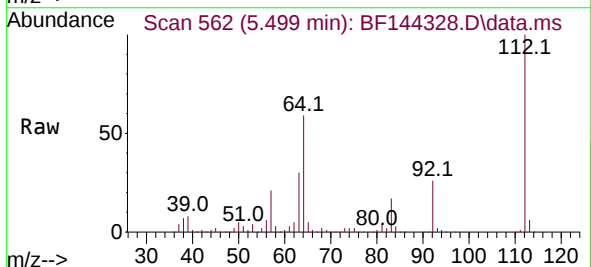
Instrument :
BNA_F
ClientSampleId :
V933

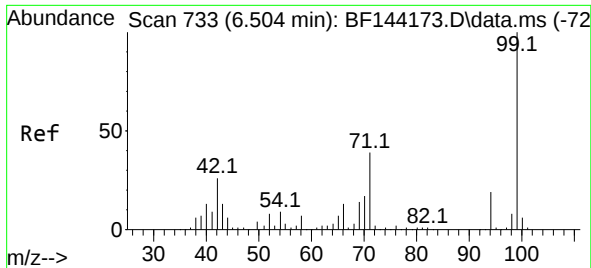
Tgt Ion:152 Resp: 57842
Ion Ratio Lower Upper
152 100
150 157.1 127.4 191.0
115 60.7 49.5 74.3



#5
2-Fluorophenol
Concen: 112.778 ng
RT: 5.499 min Scan# 562
Delta R.T. 0.006 min
Lab File: BF144328.D
Acq: 24 Nov 2025 17:19

Tgt Ion:112 Resp: 416859
Ion Ratio Lower Upper
112 100
64 59.0 47.2 70.8
63 30.3 24.4 36.6

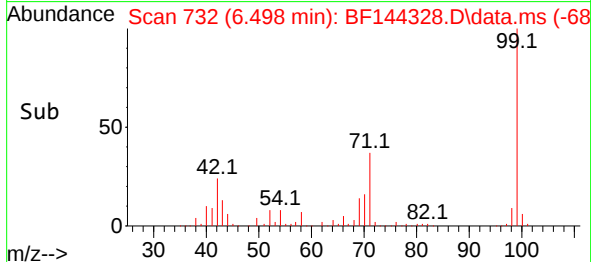
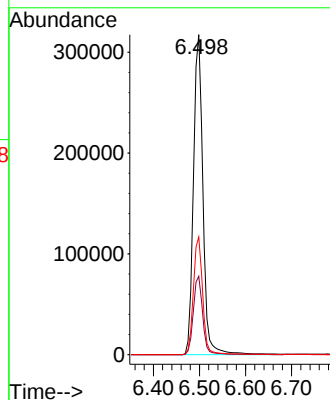
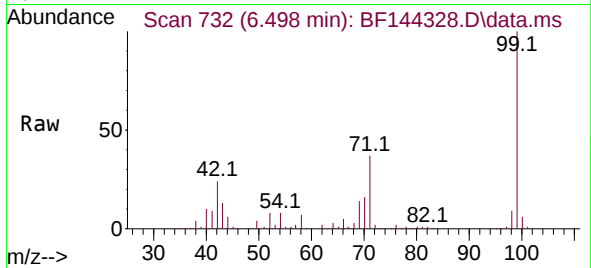




#7
Phenol-d6
Concen: 108.805 ng
RT: 6.498 min Scan# 733
Delta R.T. 0.000 min
Lab File: BF144328.D
Acq: 24 Nov 2025 17:19

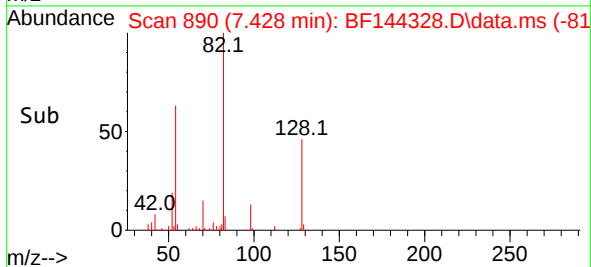
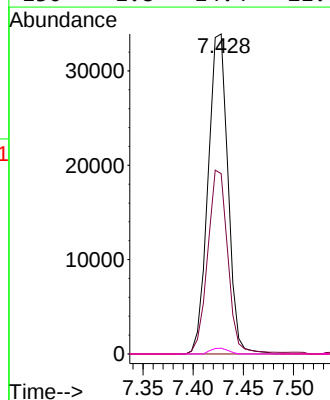
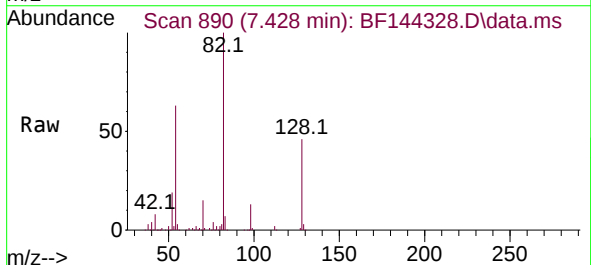
Instrument :
BNA_F
ClientSampleId :
V933

Tgt Ion: 99 Resp: 455694
Ion Ratio Lower Upper
99 100
42 24.5 20.9 31.3
71 36.8 31.4 47.2



#19
n-Nitroso-di-n-propylamine
Concen: 16.928 ng
RT: 7.428 min Scan# 890
Delta R.T. 0.153 min
Lab File: BF144328.D
Acq: 24 Nov 2025 17:19

Tgt Ion: 70 Resp: 46673
Ion Ratio Lower Upper
70 100
42 56.3 58.3 87.5#
101 0.0 7.0 10.6#
130 1.8 14.4 21.6#

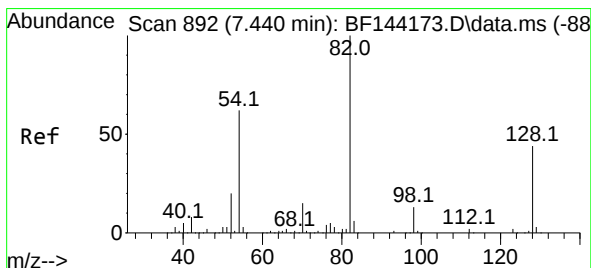
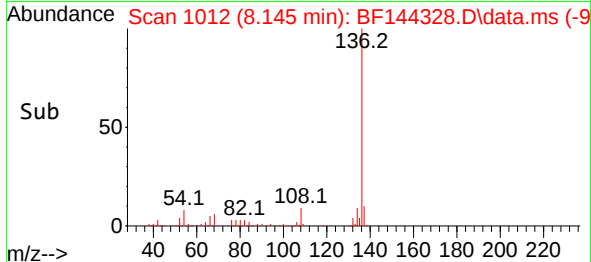
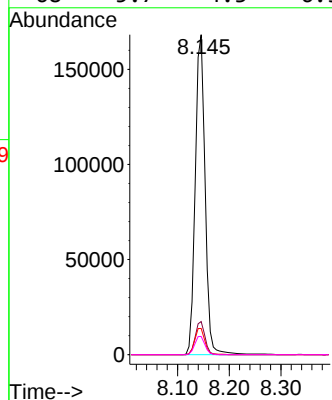
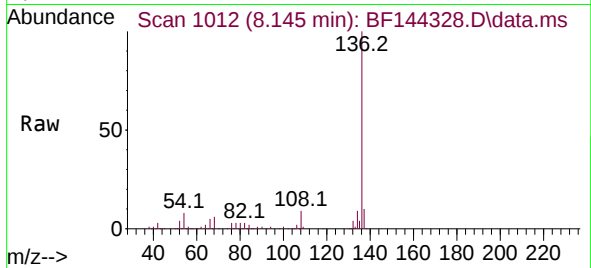




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.145 min Scan# 10
Delta R.T. -0.012 min
Lab File: BF144328.D
Acq: 24 Nov 2025 17:19

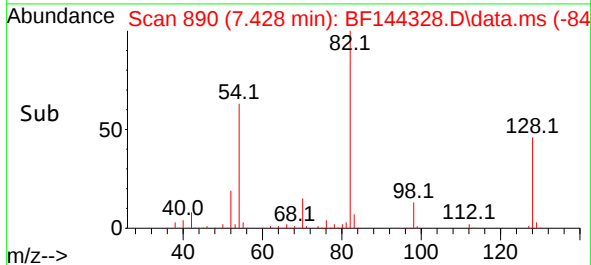
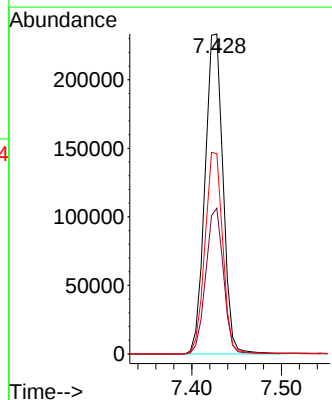
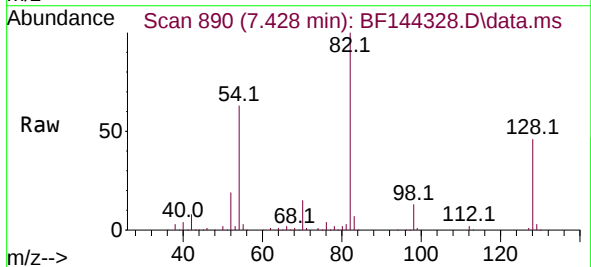
Instrument :
BNA_F
ClientSampleId :
V933

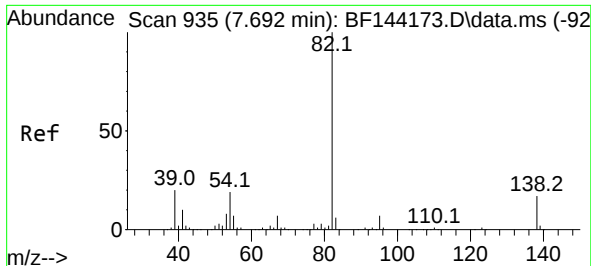
Tgt Ion:	136	Resp:	222441
Ion	Ratio	Lower	Upper
136	100		
137	10.3	8.6	13.0
54	8.2	7.0	10.6
68	5.7	4.3	6.5



#23
Nitrobenzene-d5
Concen: 84.464 ng
RT: 7.428 min Scan# 890
Delta R.T. -0.006 min
Lab File: BF144328.D
Acq: 24 Nov 2025 17:19

Tgt Ion:	82	Resp:	325308
Ion	Ratio	Lower	Upper
82	100		
128	45.5	34.7	52.1
54	62.6	49.5	74.3

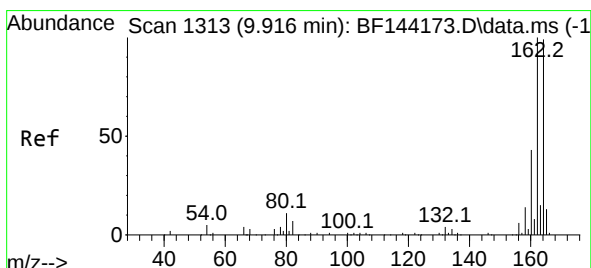
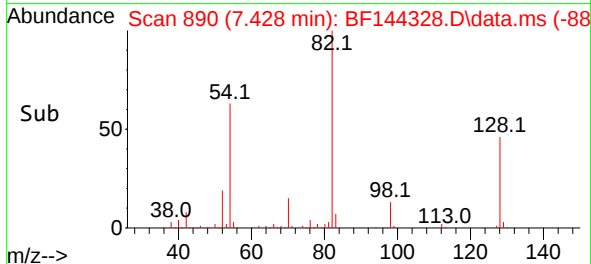
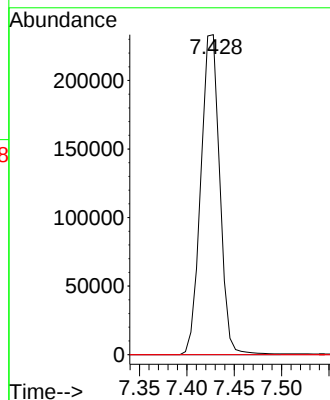
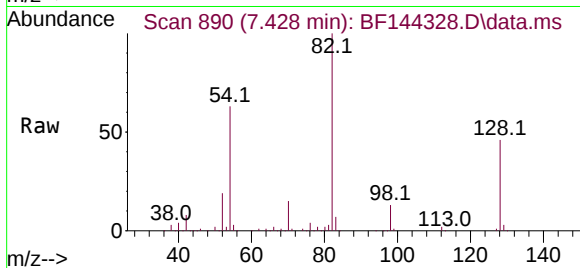




#25
Isophorone
Concen: 44.653 ng
RT: 7.428 min Scan# 89
Delta R.T. -0.259 min
Lab File: BF144328.D
Acq: 24 Nov 2025 17:19

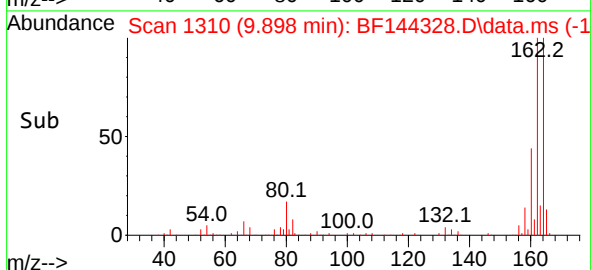
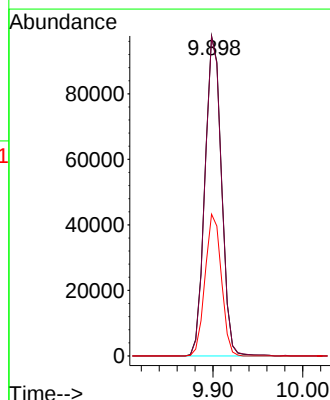
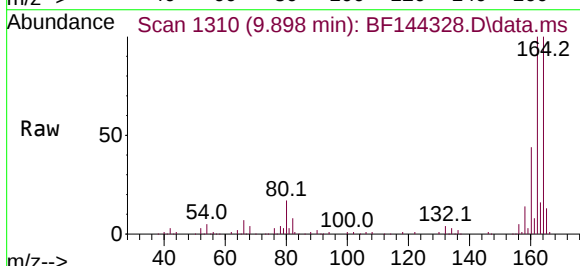
Instrument :
BNA_F
ClientSampleId :
V933

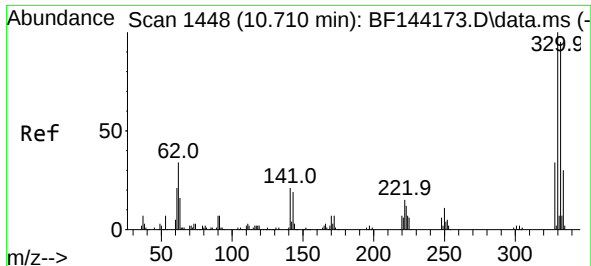
Tgt Ion: 82 Resp: 325302
Ion Ratio Lower Upper
82 100
95 0.0 5.5 8.3#
138 0.0 13.7 20.5#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.898 min Scan# 1310
Delta R.T. -0.018 min
Lab File: BF144328.D
Acq: 24 Nov 2025 17:19

Tgt Ion:164 Resp: 125067
Ion Ratio Lower Upper
164 100
162 99.8 81.1 121.7
160 44.3 34.5 51.7





#42

2,4,6-Tribromophenol

Concen: 126.287 ng

RT: 10.692 min Scan# 1445

Delta R.T. -0.012 min

Lab File: BF144328.D

Acq: 24 Nov 2025 17:19

Instrument :

BNA_F

ClientSampleId :

V933

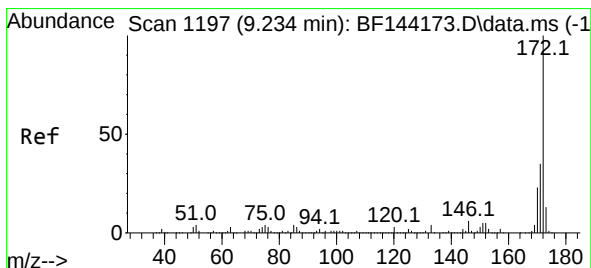
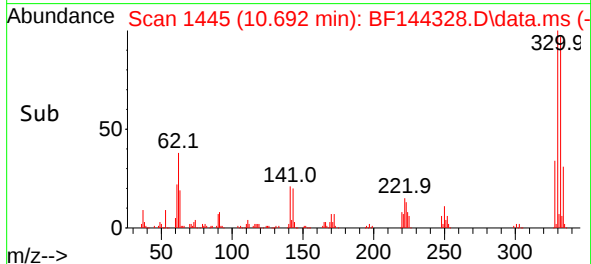
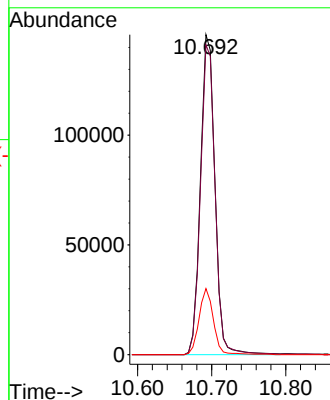
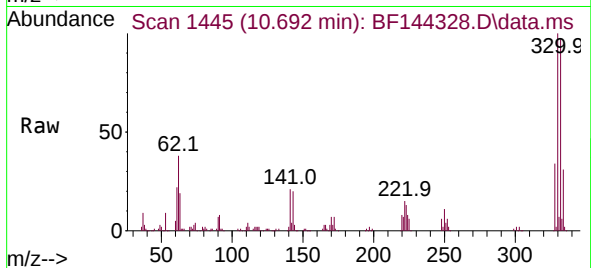
Tgt Ion:330 Resp: 198201

Ion Ratio Lower Upper

330 100

332 97.2 76.7 115.1

141 20.4 17.8 26.8



#45

2-Fluorobiphenyl

Concen: 82.421 ng

RT: 9.222 min Scan# 1195

Delta R.T. -0.006 min

Lab File: BF144328.D

Acq: 24 Nov 2025 17:19

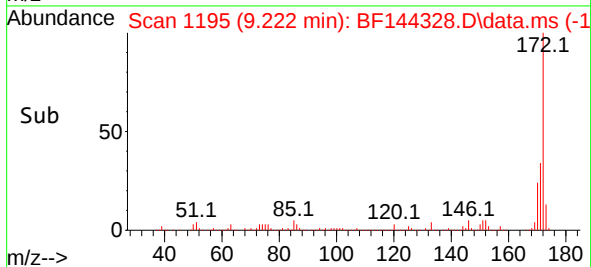
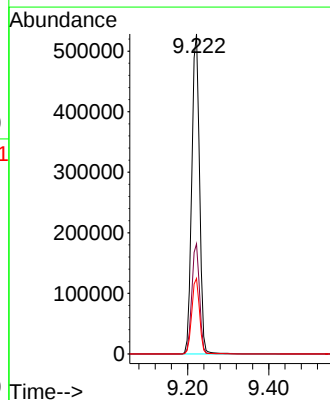
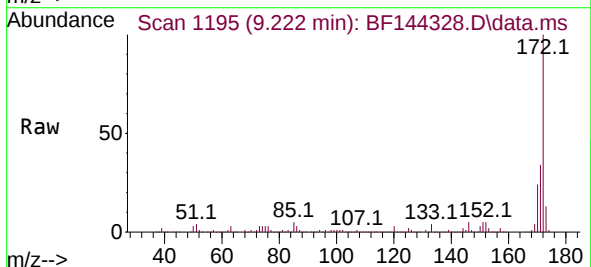
Tgt Ion:172 Resp: 697941

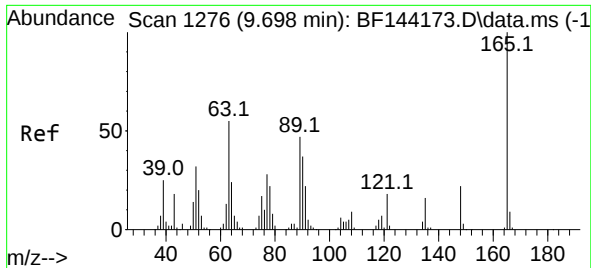
Ion Ratio Lower Upper

172 100

171 34.4 28.1 42.1

170 23.6 18.6 28.0

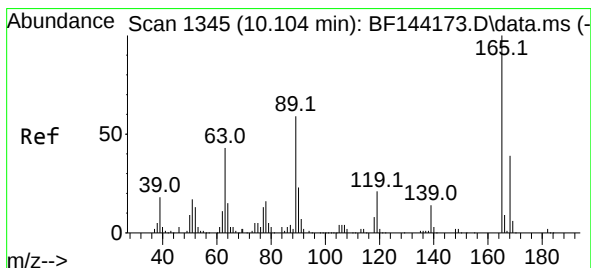
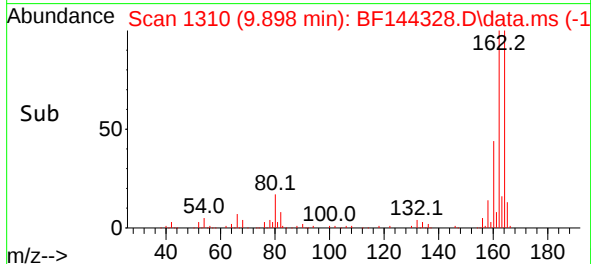
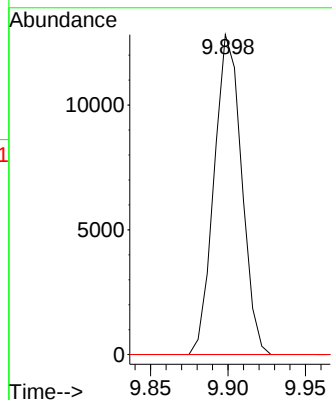
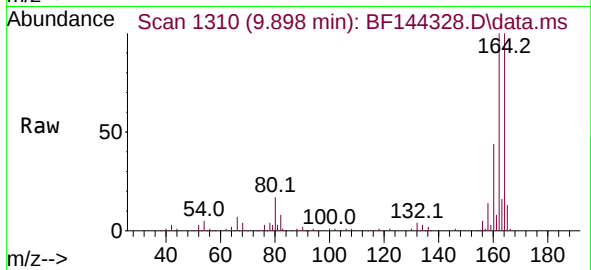




#51
2,6-Dinitrotoluene
Concen: 9.485 ng
RT: 9.898 min Scan# 1310
Delta R.T. 0.206 min
Lab File: BF144328.D
Acq: 24 Nov 2025 17:19

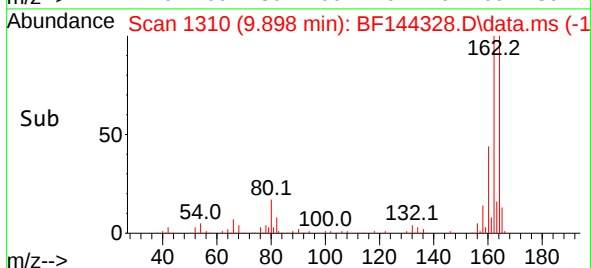
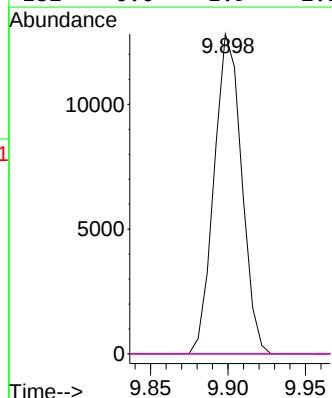
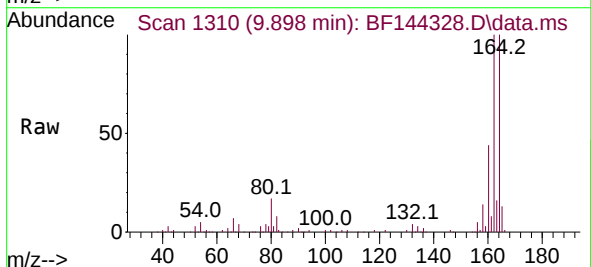
Instrument :
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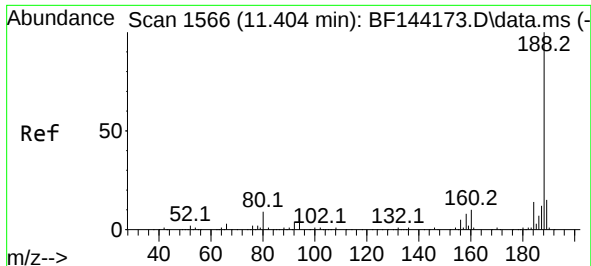
Tgt Ion:165 Resp: 15909
Ion Ratio Lower Upper
165 100
63 0.0 43.8 65.8#
89 0.0 37.5 56.3#



#57
2,4-Dinitrotoluene
Concen: 7.085 ng
RT: 9.898 min Scan# 1310
Delta R.T. -0.200 min
Lab File: BF144328.D
Acq: 24 Nov 2025 17:19

Tgt Ion:165 Resp: 15909
Ion Ratio Lower Upper
165 100
63 0.0 35.5 53.3#
89 0.0 47.4 71.2#
182 0.0 1.9 2.9#

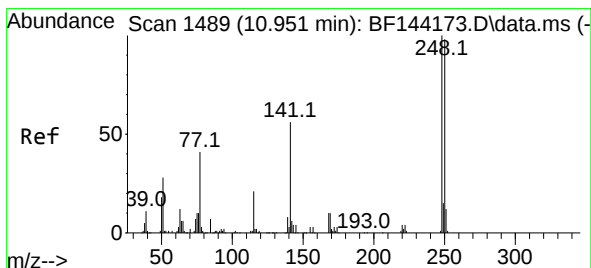
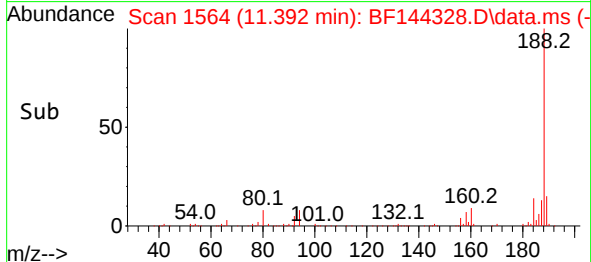
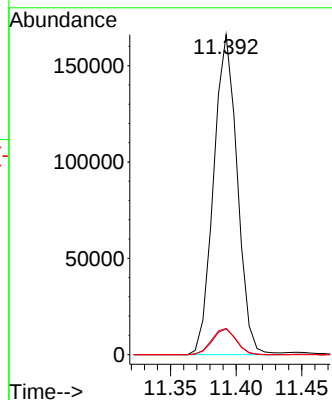
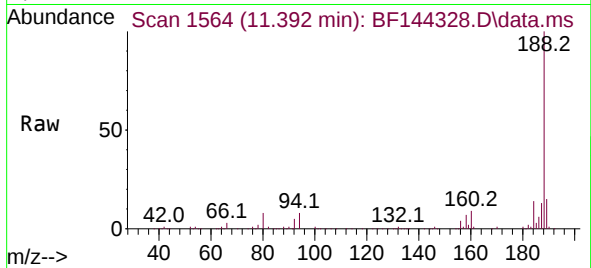




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.392 min Scan# 11
Delta R.T. -0.012 min
Lab File: BF144328.D
Acq: 24 Nov 2025 17:19

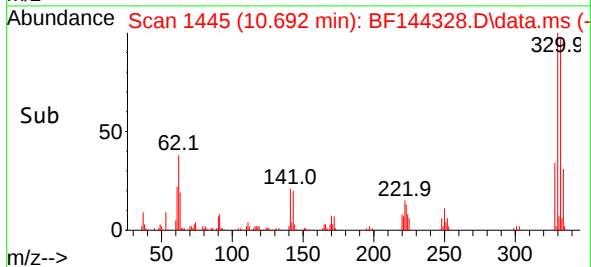
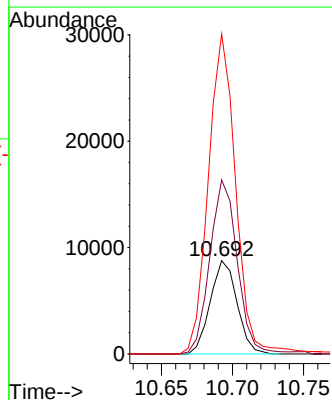
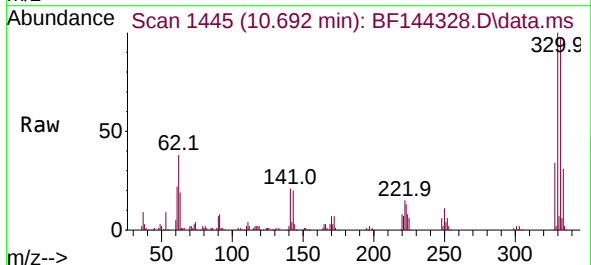
Instrument :
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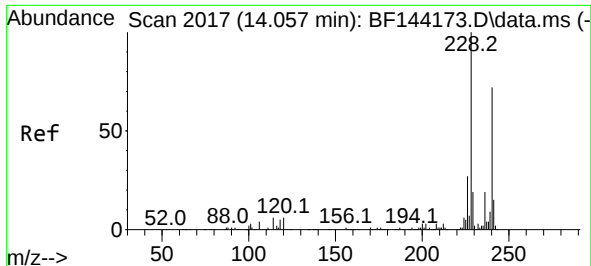
Tgt Ion:188 Resp: 208213
Ion Ratio Lower Upper
188 100
94 8.0 6.2 9.2
80 8.2 6.9 10.3



#67
4-Bromophenyl-phenylether
Concen: 4.315 ng
RT: 10.692 min Scan# 1445
Delta R.T. -0.253 min
Lab File: BF144328.D
Acq: 24 Nov 2025 17:19

Tgt Ion:248 Resp: 11468
Ion Ratio Lower Upper
248 100
250 186.9 78.4 117.6#
141 343.6 45.1 67.7#

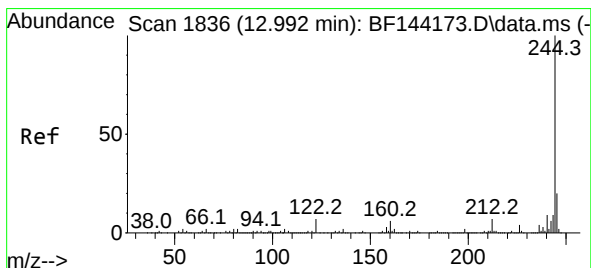
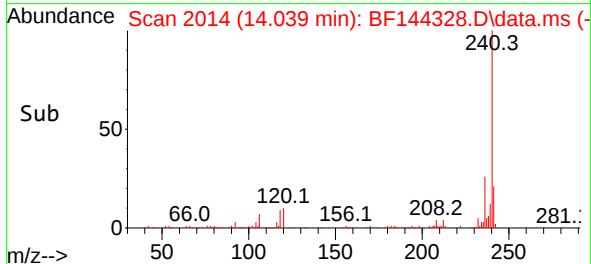
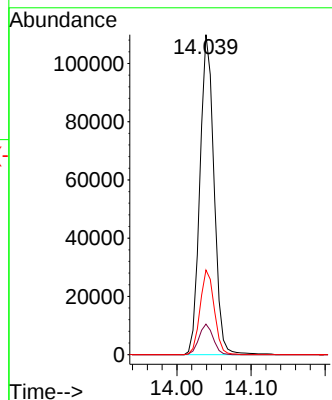
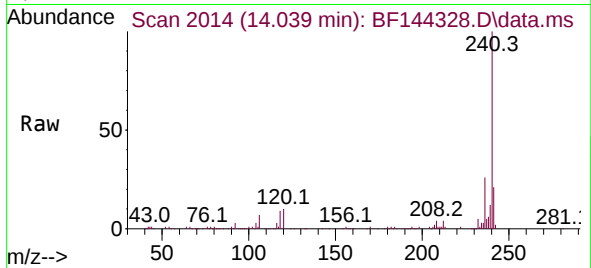




#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.039 min Scan# 2014
Delta R.T. -0.012 min
Lab File: BF144328.D
Acq: 24 Nov 2025 17:19

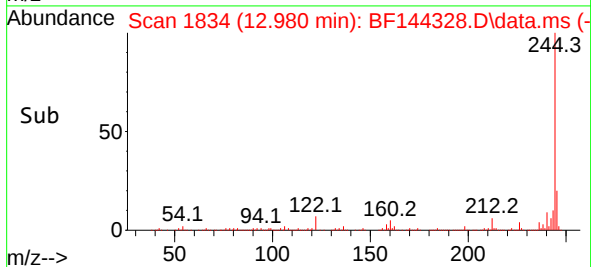
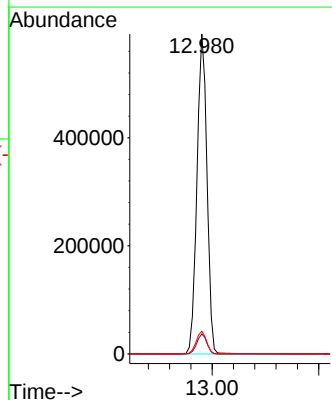
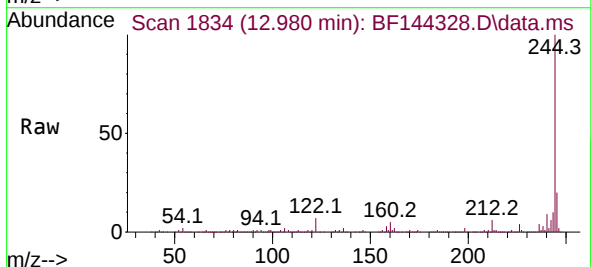
Instrument :
BNA_F
ClientSampleId :
V933

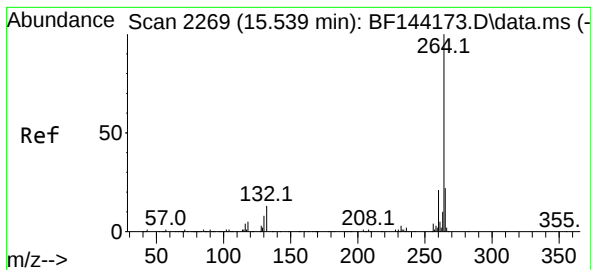
Tgt Ion:240 Resp: 145220
Ion Ratio Lower Upper
240 100
120 9.5 6.6 10.0
236 26.4 21.4 32.2



#79
Terphenyl-d14
Concen: 84.526 ng
RT: 12.980 min Scan# 1834
Delta R.T. -0.012 min
Lab File: BF144328.D
Acq: 24 Nov 2025 17:19

Tgt Ion:244 Resp: 772781
Ion Ratio Lower Upper
244 100
212 6.2 5.3 7.9
122 7.1 5.6 8.4





#86

Perylene-d12

Concen: 20.000 ng

RT: 15.521 min Scan# 21

Delta R.T. -0.018 min

Lab File: BF144328.D

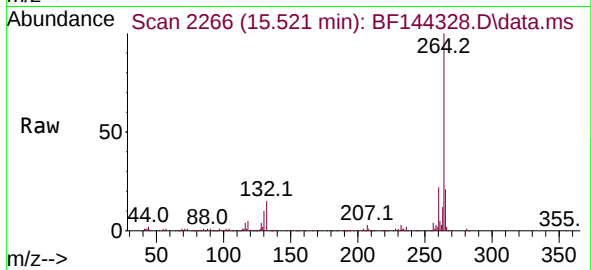
Acq: 24 Nov 2025 17:19

Instrument :

BNA_F

ClientSampleId :

V933



Tgt Ion:264 Resp: 178328

Ion Ratio Lower Upper

264 100

260 22.0 17.1 25.7

265 21.0 17.4 26.0

