

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF112525\
 Data File : BF144351.D
 Acq On : 25 Nov 2025 15:24
 Operator : RC/JU
 Sample : PB170730BL
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 PB170730BL

Quant Time: Nov 25 17:03:56 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)

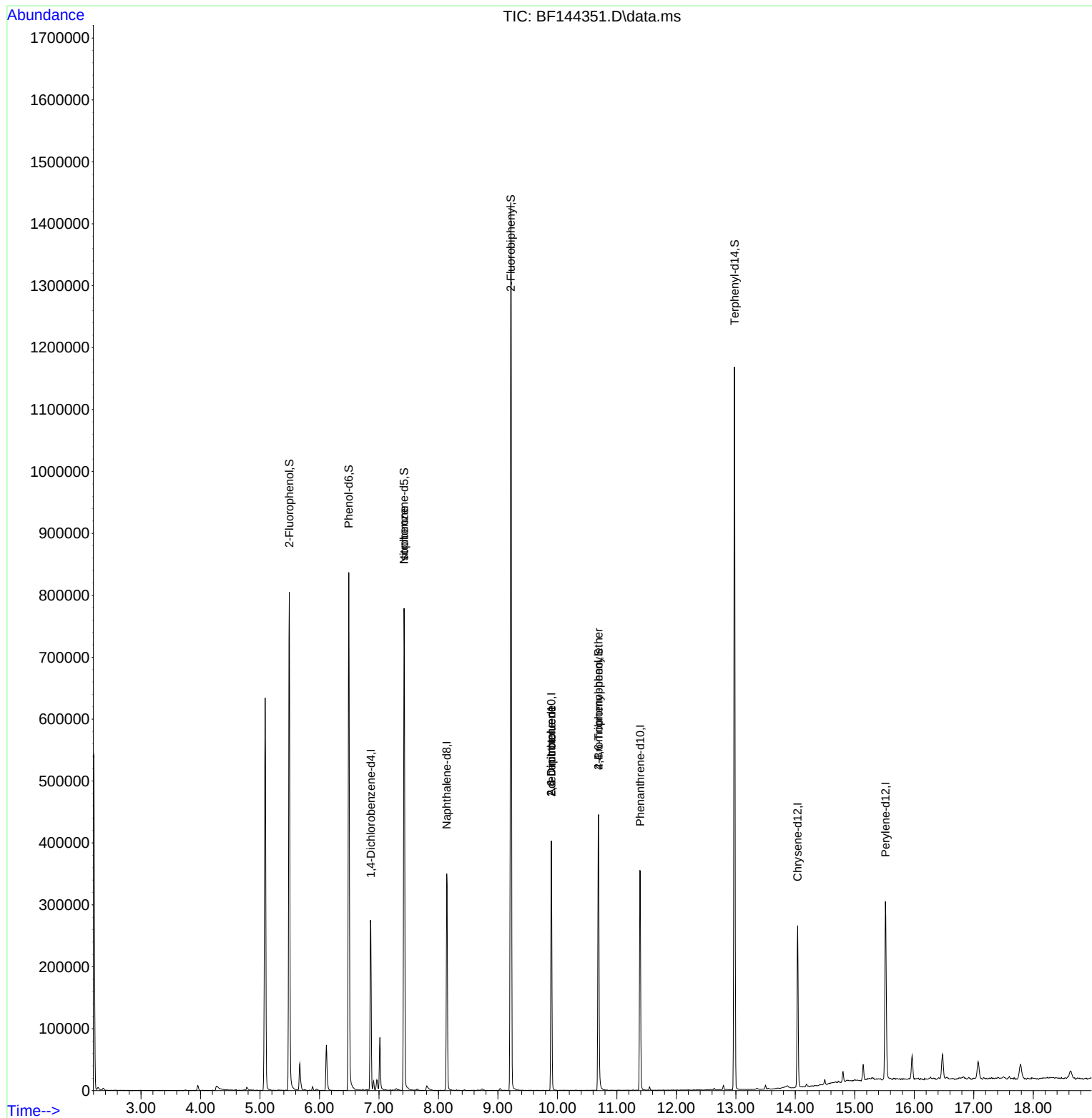
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.863	152	60817	20.000	ng	-0.01
21) Naphthalene-d8	8.139	136	237169	20.000	ng	-0.02
39) Acenaphthene-d10	9.898	164	123302	20.000	ng	-0.02
64) Phenanthrene-d10	11.392	188	217878	20.000	ng	-0.01
76) Chrysene-d12	14.039	240	134877	20.000	ng	#-0.01
86) Perylene-d12	15.515	264	174045	20.000	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.493	112	328611	84.554	ng	0.00
7) Phenol-d6	6.493	99	387154	87.918	ng	0.00
23) Nitrobenzene-d5	7.422	82	345743	84.195	ng	-0.01
42) 2,4,6-Tribromophenol	10.692	330	100565	64.994	ng	-0.01
45) 2-Fluorobiphenyl	9.216	172	700122	83.862	ng	-0.01
79) Terphenyl-d14	12.980	244	674811	79.470	ng	-0.01
Target Compounds						
						Qvalue
25) Isophorone	7.422	82	345738	44.511	ng	# 66
51) 2,6-Dinitrotoluene	9.898	165	15658	9.469	ng	# 28
57) 2,4-Dinitrotoluene	9.898	165	15658	7.073	ng	# 28
67) 4-Bromophenyl-phenylether	10.692	248	5735	2.062	ng	# 1

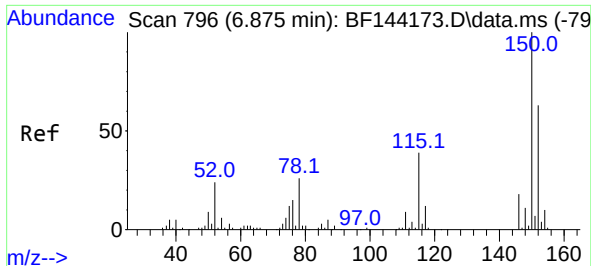
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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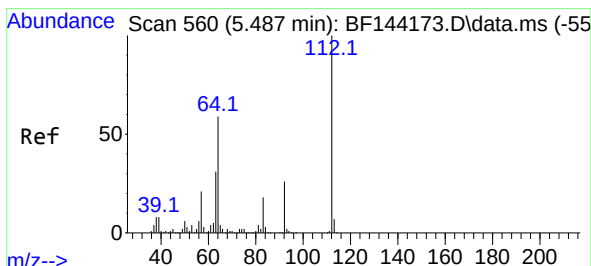
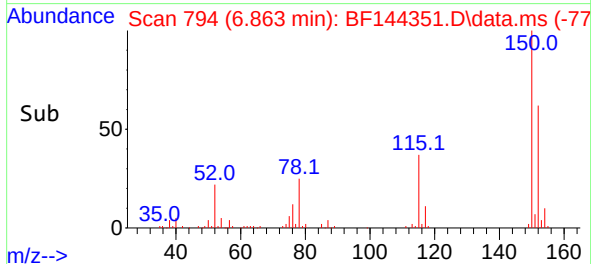
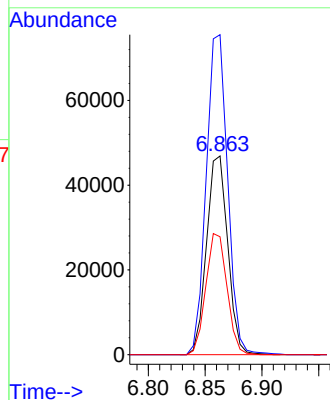
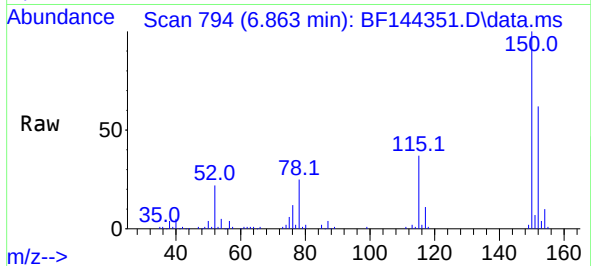




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.863 min Scan# 794
Delta R.T. -0.012 min
Lab File: BF144351.D
Acq: 25 Nov 2025 15:24

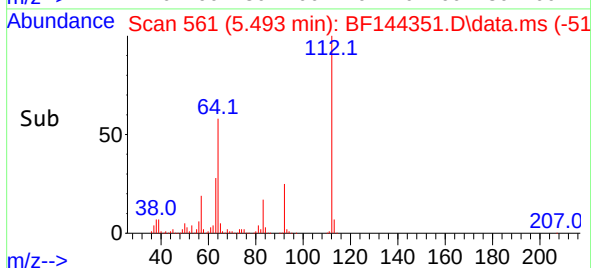
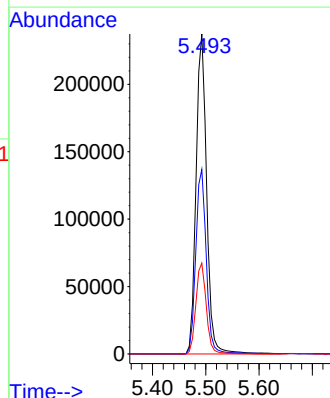
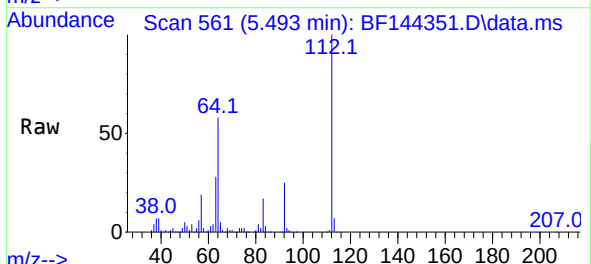
Instrument :
BNA_F
ClientSampleId :
PB170730BL

Tgt Ion:152 Resp: 60817
Ion Ratio Lower Upper
152 100
150 161.0 127.4 191.0
115 59.3 49.5 74.3

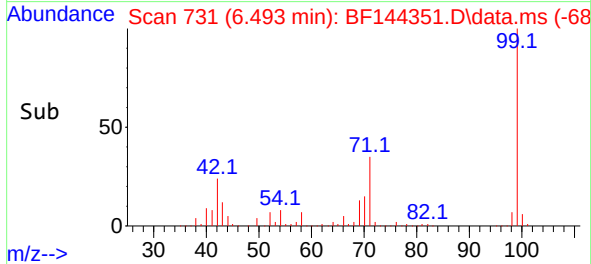
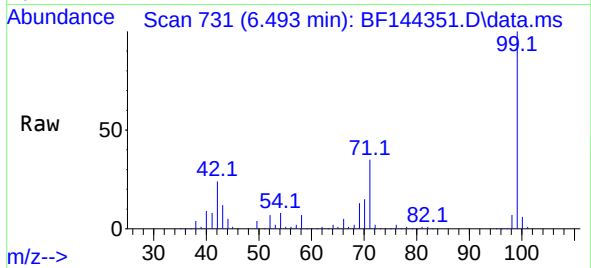
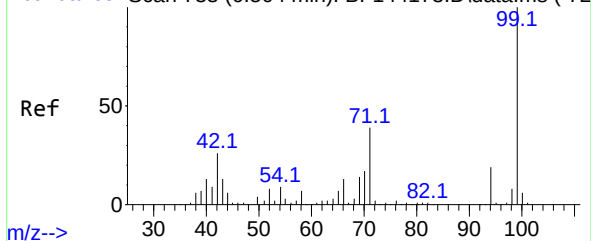


#5
2-Fluorophenol
Concen: 84.554 ng
RT: 5.493 min Scan# 561
Delta R.T. -0.000 min
Lab File: BF144351.D
Acq: 25 Nov 2025 15:24

Tgt Ion:112 Resp: 328611
Ion Ratio Lower Upper
112 100
64 57.6 47.2 70.8
63 28.4 24.4 36.6



Abundance Scan 733 (6.504 min): BF144173.D\data.ms (-72



#7

Phenol-d6

Concen: 87.918 ng

RT: 6.493 min Scan# 71

Delta R.T. -0.006 min

Lab File: BF144351.D

Acq: 25 Nov 2025 15:24

Instrument :

BNA_F

ClientSampleId :

PB170730BL

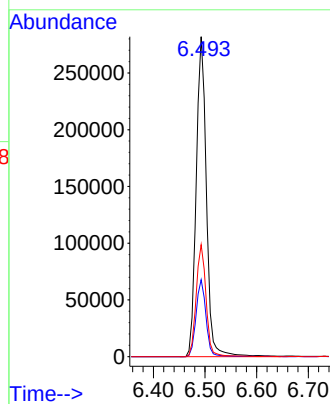
Tgt Ion: 99 Resp: 387154

Ion Ratio Lower Upper

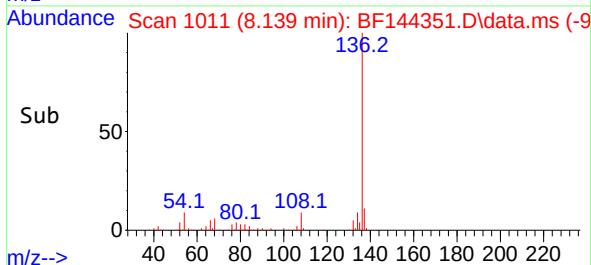
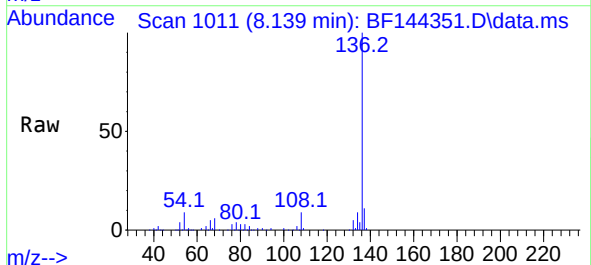
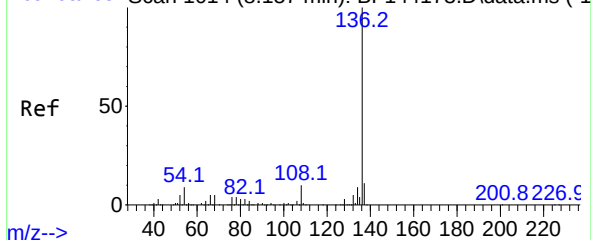
99 100

42 24.0 20.9 31.3

71 35.0 31.4 47.2



Abundance Scan 1014 (8.157 min): BF144173.D\data.ms (-1



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.139 min Scan# 1011

Delta R.T. -0.018 min

Lab File: BF144351.D

Acq: 25 Nov 2025 15:24

Tgt Ion:136 Resp: 237169

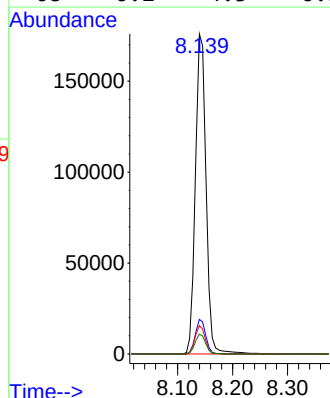
Ion Ratio Lower Upper

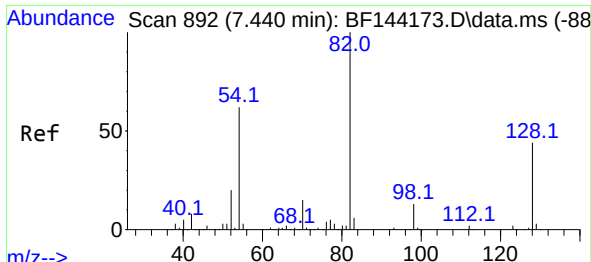
136 100

137 10.8 8.6 13.0

54 8.8 7.0 10.6

68 6.2 4.3 6.5

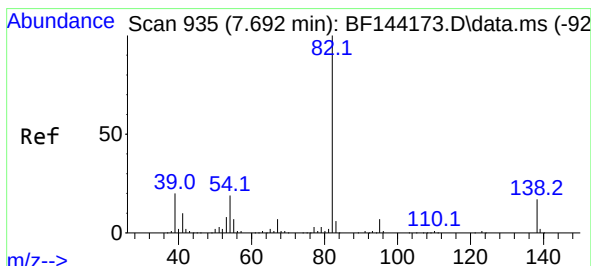
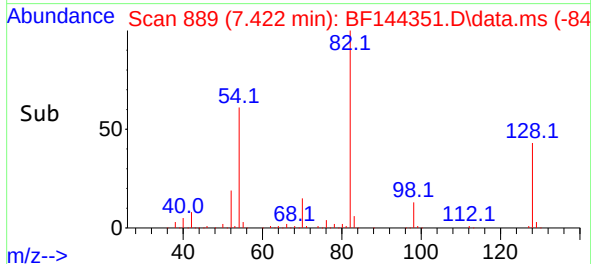
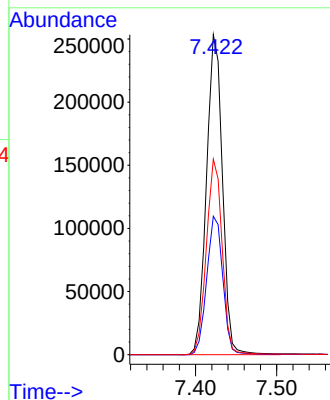
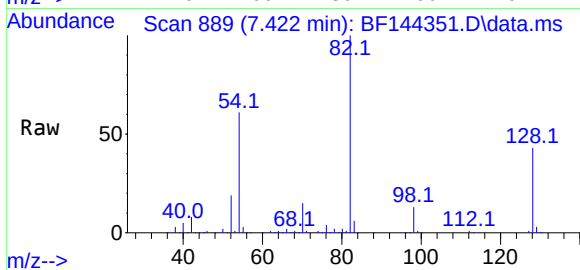




#23
Nitrobenzene-d5
Concen: 84.195 ng
RT: 7.422 min Scan# 889
Delta R.T. -0.012 min
Lab File: BF144351.D
Acq: 25 Nov 2025 15:24

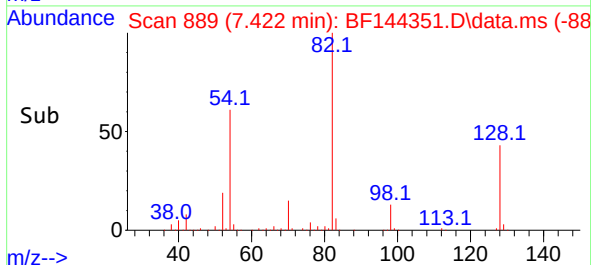
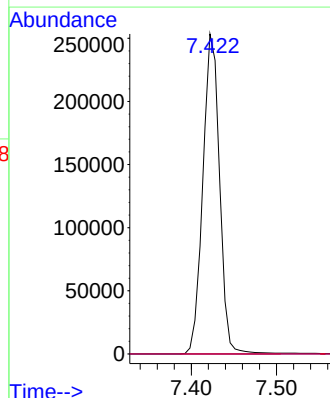
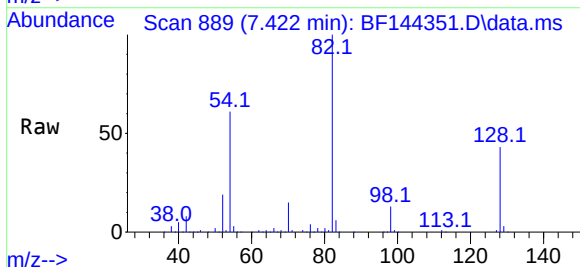
Instrument :
BNA_F
ClientSampleId :
PB170730BL

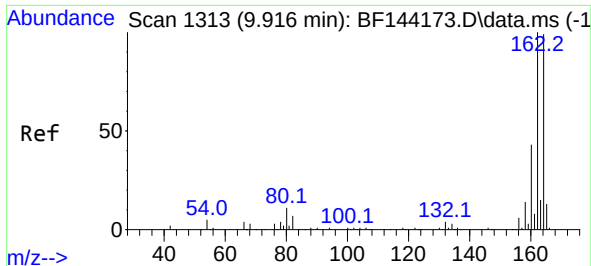
Tgt Ion: 82 Resp: 345743
Ion Ratio Lower Upper
82 100
128 43.2 34.7 52.1
54 61.1 49.5 74.3



#25
Isophorone
Concen: 44.511 ng
RT: 7.422 min Scan# 889
Delta R.T. -0.265 min
Lab File: BF144351.D
Acq: 25 Nov 2025 15:24

Tgt Ion: 82 Resp: 345738
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# 11

Delta R.T. -0.018 min

Lab File: BF144351.D

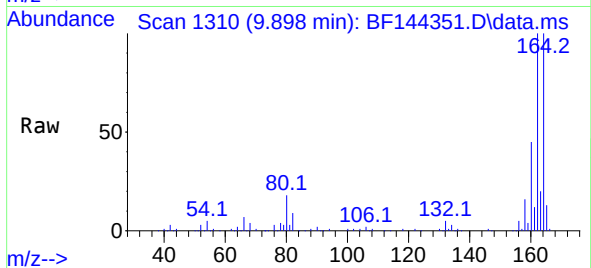
Acq: 25 Nov 2025 15:24

Instrument :

BNA_F

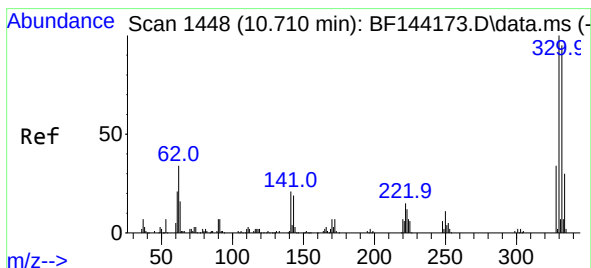
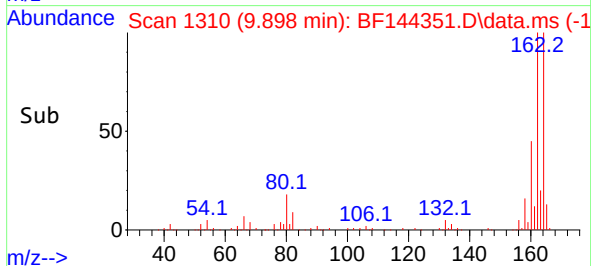
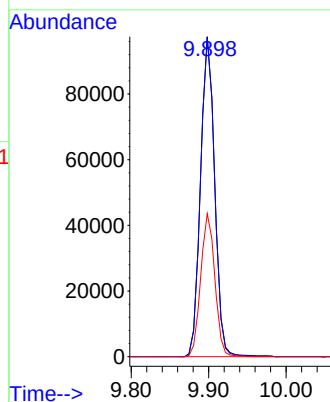
ClientSampleId :

PB170730BL



Tgt Ion:164 Resp: 123302

Ion	Ratio	Lower	Upper
164	100		
162	99.7	81.1	121.7
160	44.7	34.5	51.7



#42

2,4,6-Tribromophenol

Concen: 64.994 ng

RT: 10.692 min Scan# 1445

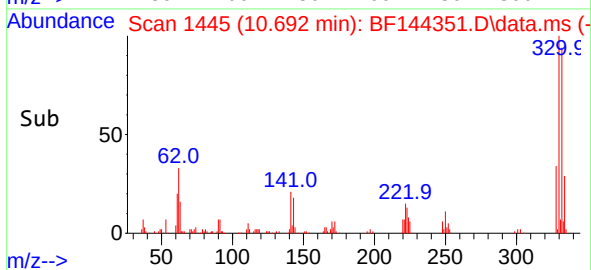
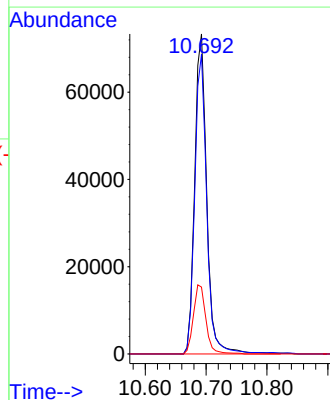
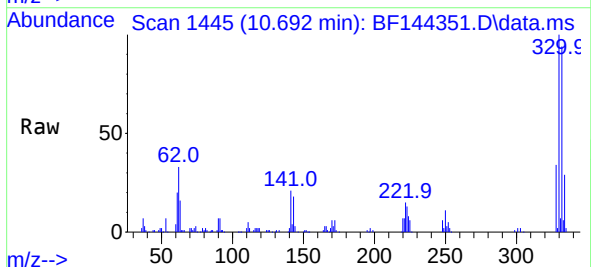
Delta R.T. -0.012 min

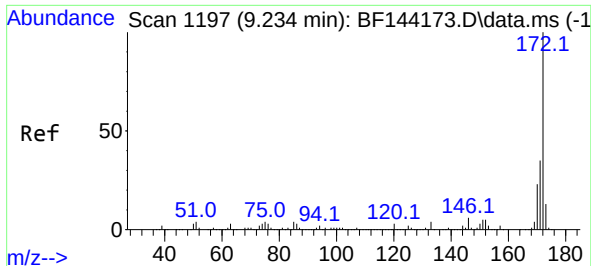
Lab File: BF144351.D

Acq: 25 Nov 2025 15:24

Tgt Ion:330 Resp: 100565

Ion	Ratio	Lower	Upper
330	100		
332	93.4	76.7	115.1
141	22.4	17.8	26.8

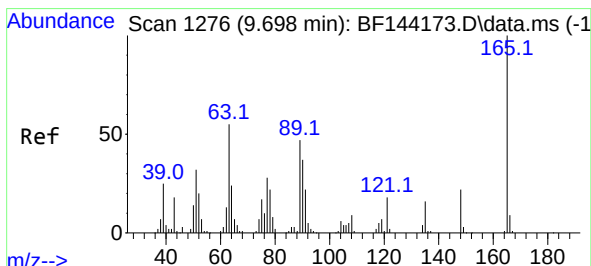
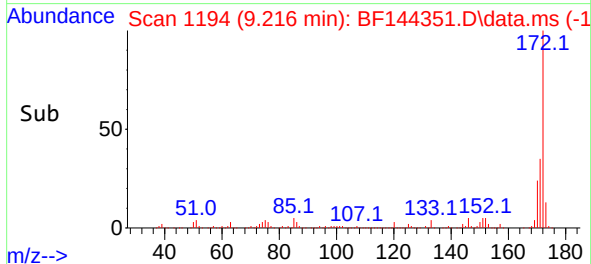
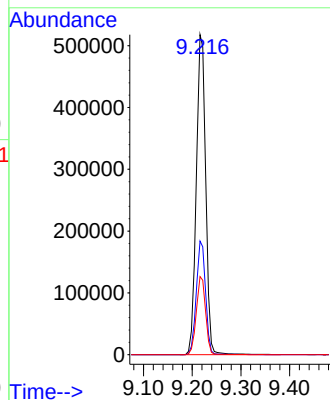
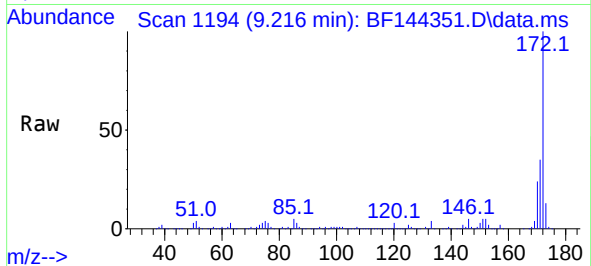




#45
2-Fluorobiphenyl
Concen: 83.862 ng
RT: 9.216 min Scan# 1194
Delta R.T. -0.012 min
Lab File: BF144351.D
Acq: 25 Nov 2025 15:24

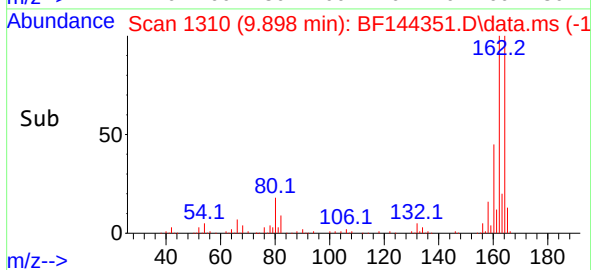
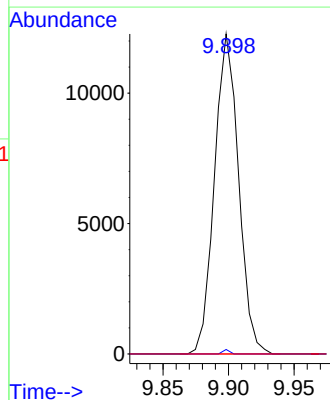
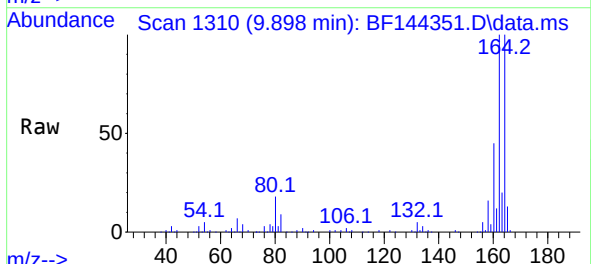
Instrument :
BNA_F
ClientSampleId :
PB170730BL

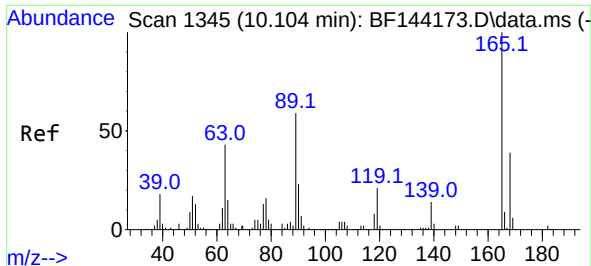
Tgt Ion:172 Resp: 700122
Ion Ratio Lower Upper
172 100
171 35.5 28.1 42.1
170 24.4 18.6 28.0



#51
2,6-Dinitrotoluene
Concen: 9.469 ng
RT: 9.898 min Scan# 1310
Delta R.T. 0.206 min
Lab File: BF144351.D
Acq: 25 Nov 2025 15:24

Tgt Ion:165 Resp: 15658
Ion Ratio Lower Upper
165 100
63 1.4 43.8 65.8#
89 0.0 37.5 56.3#

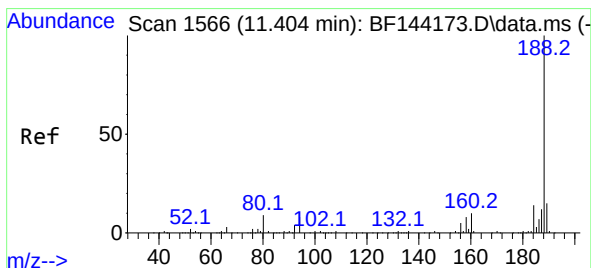
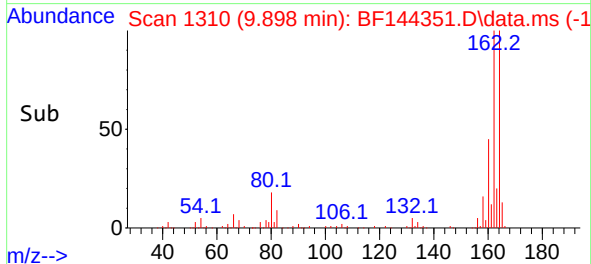
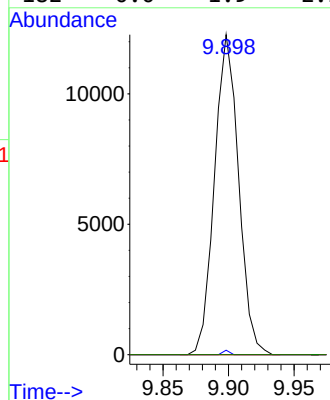
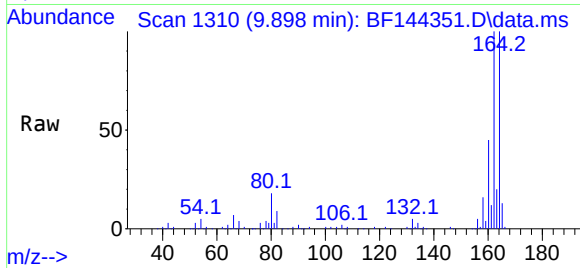




#57
2,4-Dinitrotoluene
Concen: 7.073 ng
RT: 9.898 min Scan# 11
Delta R.T. -0.200 min
Lab File: BF144351.D
Acq: 25 Nov 2025 15:24

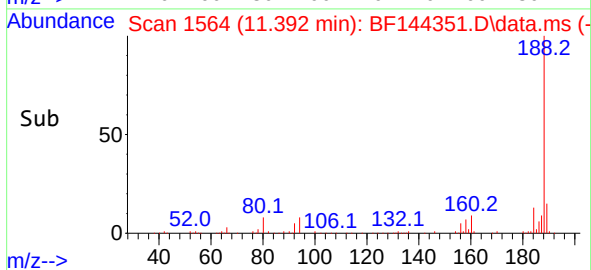
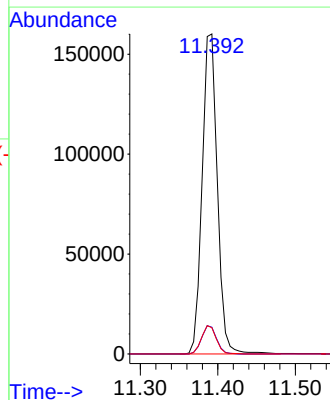
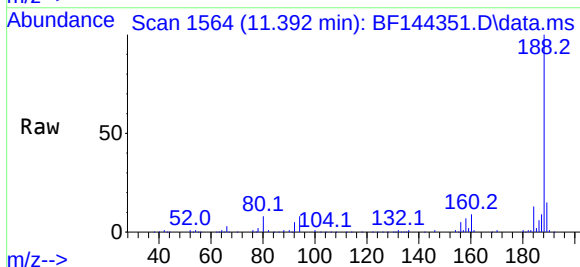
Instrument :
BNA_F
ClientSampleId :
PB170730BL

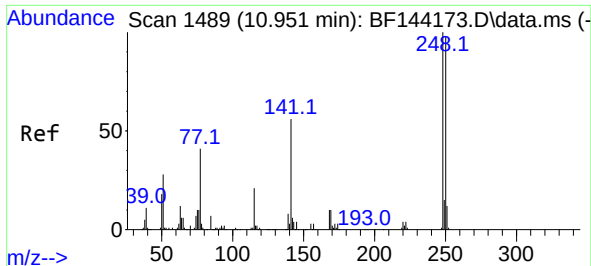
Tgt Ion:165	Resp:	15658
Ion Ratio	Lower	Upper
165	100	
63	1.4	35.5 53.3#
89	0.0	47.4 71.2#
182	0.0	1.9 2.9#



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.392 min Scan# 1564
Delta R.T. -0.012 min
Lab File: BF144351.D
Acq: 25 Nov 2025 15:24

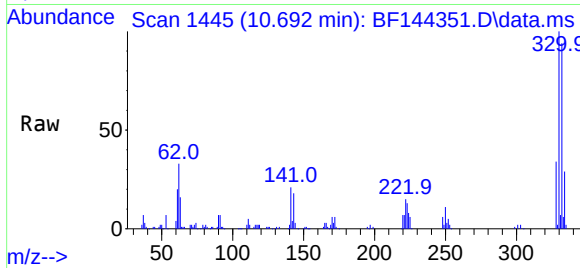
Tgt Ion:188	Resp:	217878
Ion Ratio	Lower	Upper
188	100	
94	8.4	6.2 9.2
80	8.2	6.9 10.3



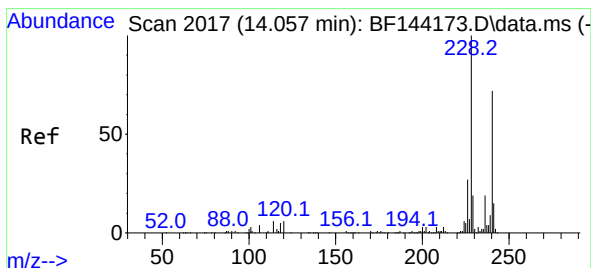
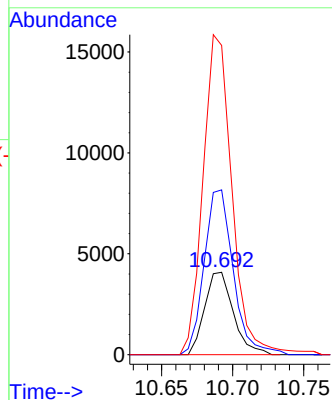
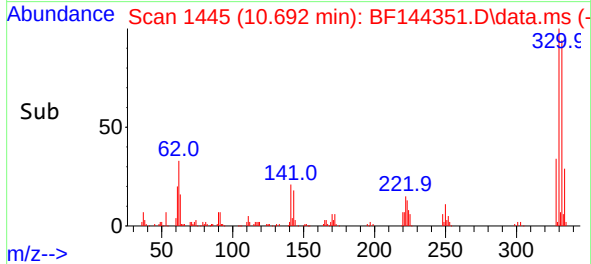


#67
4-Bromophenyl-phenylether
Concen: 2.062 ng
RT: 10.692 min Scan# 14
Delta R.T. -0.253 min
Lab File: BF144351.D
Acq: 25 Nov 2025 15:24

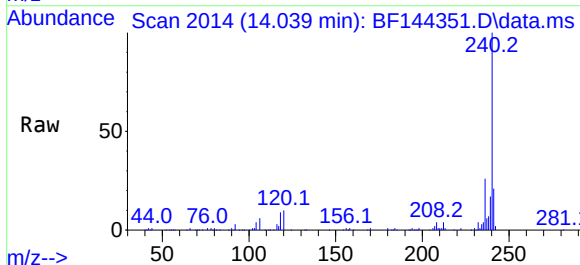
Instrument :
BNA_F
ClientSampleId :
PB170730BL



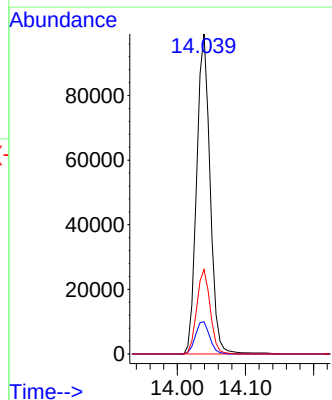
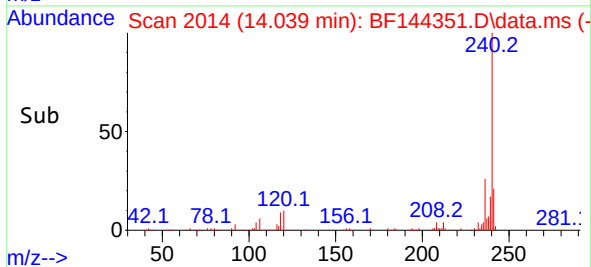
Tgt Ion:248 Resp: 5735
Ion Ratio Lower Upper
248 100
250 199.7 78.4 117.6#
141 375.0 45.1 67.7#

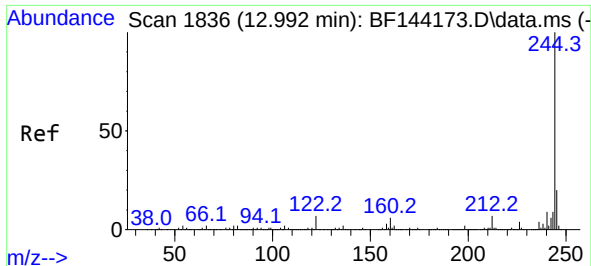


#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.039 min Scan# 2014
Delta R.T. -0.012 min
Lab File: BF144351.D
Acq: 25 Nov 2025 15:24



Tgt Ion:240 Resp: 134877
Ion Ratio Lower Upper
240 100
120 10.1 6.6 10.0#
236 26.4 21.4 32.2

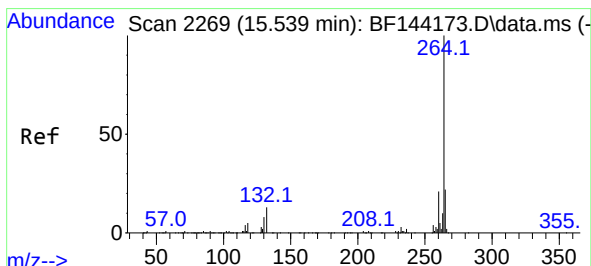
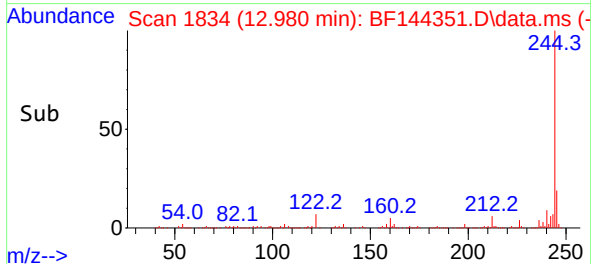
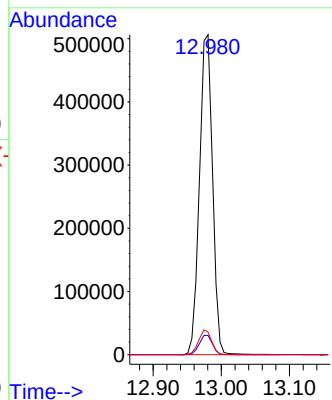
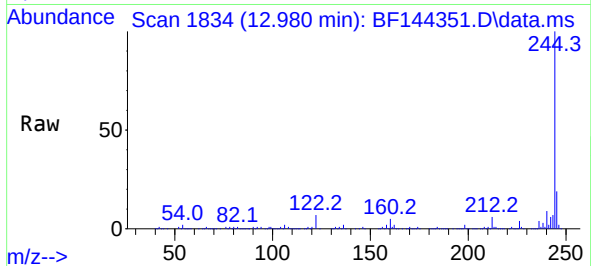




#79
Terphenyl-d14
Concen: 79.470 ng
RT: 12.980 min Scan# 1836
Delta R.T. -0.012 min
Lab File: BF144351.D
Acq: 25 Nov 2025 15:24

Instrument :
BNA_F
ClientSampleId :
PB170730BL

Tgt Ion:244 Resp: 674811
Ion Ratio Lower Upper
244 100
212 6.0 5.3 7.9
122 7.1 5.6 8.4



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.515 min Scan# 2265
Delta R.T. -0.024 min
Lab File: BF144351.D
Acq: 25 Nov 2025 15:24

Tgt Ion:264 Resp: 174045
Ion Ratio Lower Upper
264 100
260 21.7 17.1 25.7
265 21.6 17.4 26.0

