

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF120125\
 Data File : BF144385.D
 Acq On : 01 Dec 2025 14:11
 Operator : RC/JU
 Sample : PB170863BL
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Dec 01 14:46:28 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)

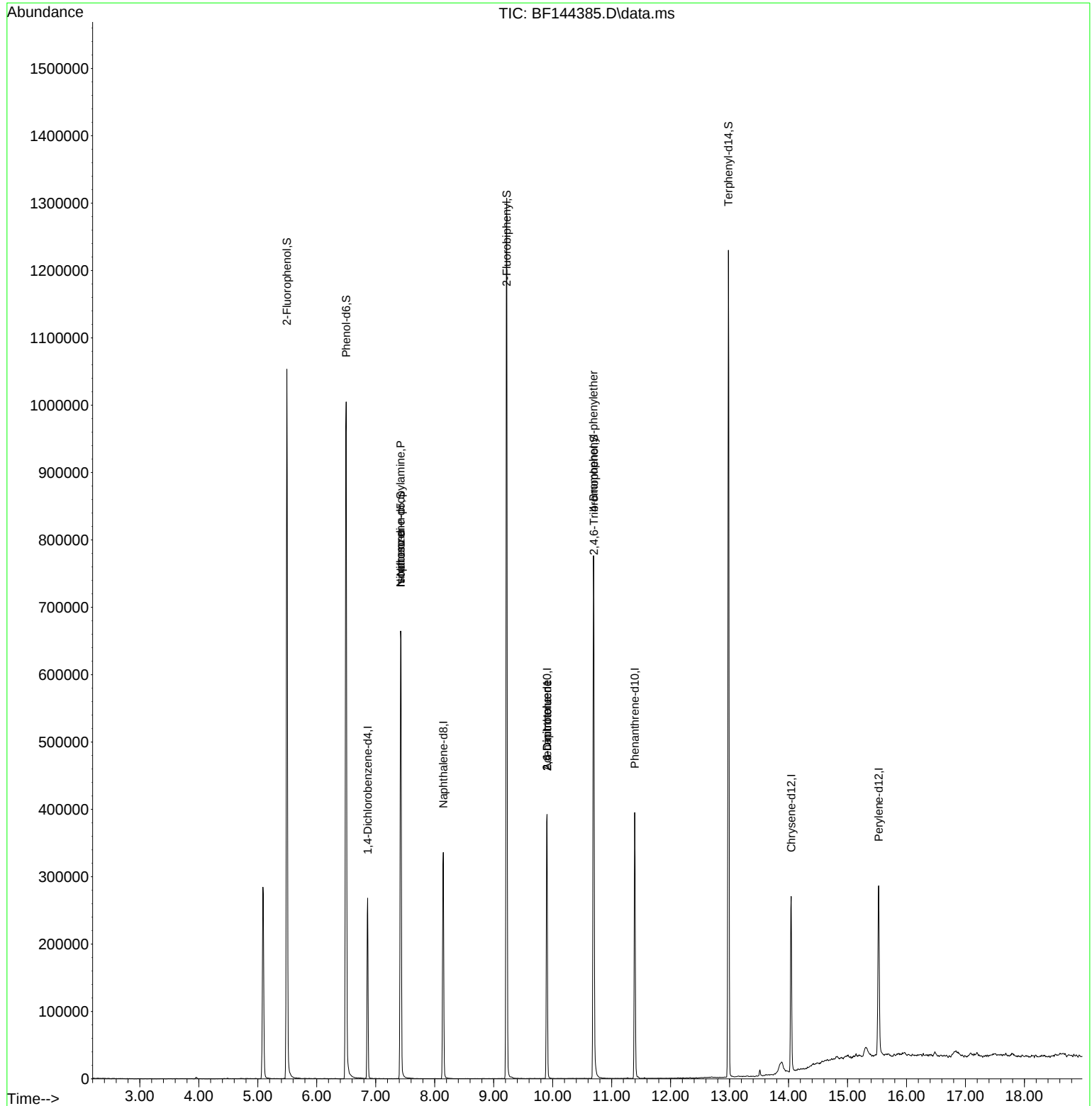
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.863	152	58345	20.000	ng	-0.01
21) Naphthalene-d8	8.145	136	230427	20.000	ng	-0.01
39) Acenaphthene-d10	9.904	164	129664	20.000	ng	-0.01
64) Phenanthrene-d10	11.392	188	226587	20.000	ng	-0.01
76) Chrysene-d12	14.045	240	143527	20.000	ng	0.00
86) Perylene-d12	15.527	264	171385	20.000	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.492	112	420221	112.708	ng	0.00
7) Phenol-d6	6.498	99	473970	112.193	ng	0.00
23) Nitrobenzene-d5	7.422	82	299644	75.104	ng	-0.01
42) 2,4,6-Tribromophenol	10.698	330	173047	106.351	ng	0.00
45) 2-Fluorobiphenyl	9.222	172	654860	74.592	ng	0.00
79) Terphenyl-d14	12.980	244	665212	73.619	ng	-0.01
Target Compounds						
						Qvalue
19) n-Nitroso-di-n-propyla...	7.422	70	43620	15.685	ng	# 77
25) Isophorone	7.422	82	299642	39.705	ng	# 66
51) 2,6-Dinitrotoluene	9.904	165	16569	9.528	ng	# 28
57) 2,4-Dinitrotoluene	9.904	165	16569	7.118	ng	# 28
67) 4-Bromophenyl-phenylether	10.692	248	9852	3.406	ng	# 1

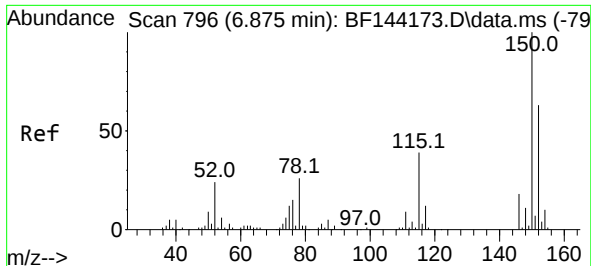
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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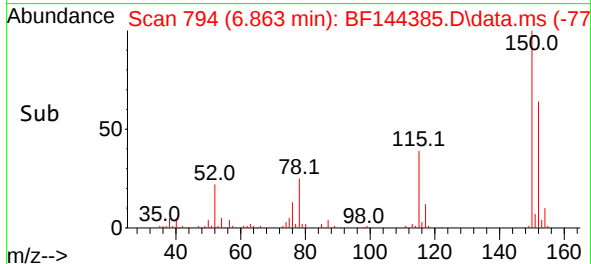
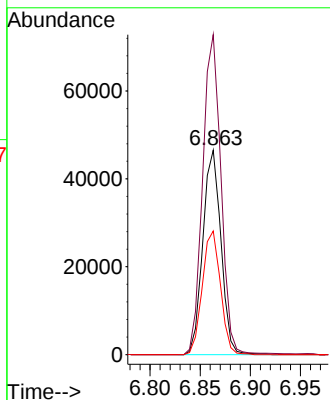
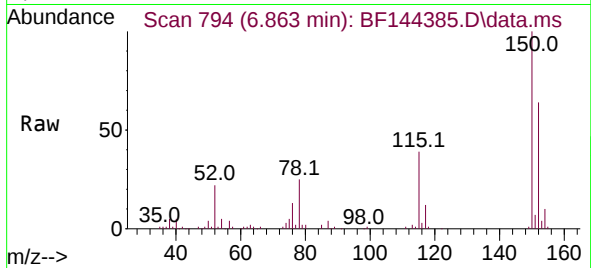




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.863 min Scan# 796
Delta R.T. -0.012 min
Lab File: BF144385.D
Acq: 01 Dec 2025 14:11

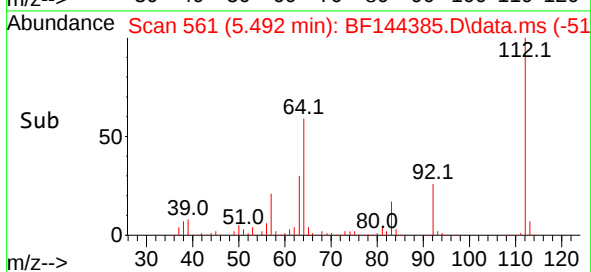
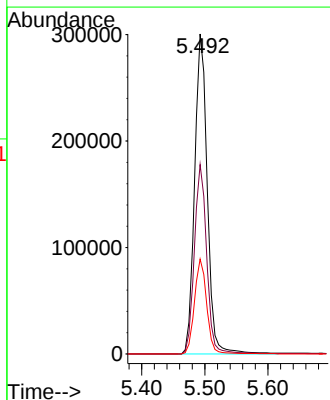
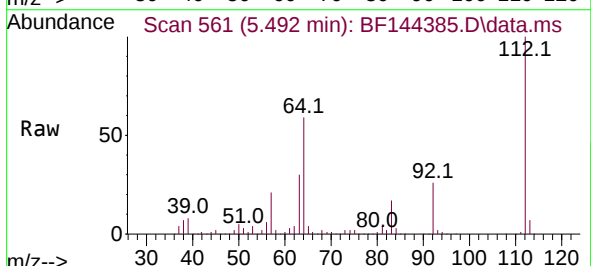
Instrument :
BNA_F
ClientSampleId :

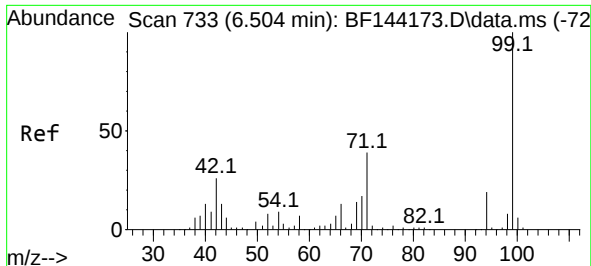
Tgt Ion:152 Resp: 58345
Ion Ratio Lower Upper
152 100
150 156.6 127.4 191.0
115 60.5 49.5 74.3



#5
2-Fluorophenol
Concen: 112.708 ng
RT: 5.492 min Scan# 561
Delta R.T. -0.000 min
Lab File: BF144385.D
Acq: 01 Dec 2025 14:11

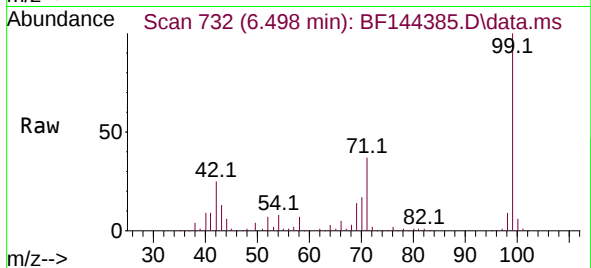
Tgt Ion:112 Resp: 420221
Ion Ratio Lower Upper
112 100
64 59.2 47.2 70.8
63 29.6 24.4 36.6



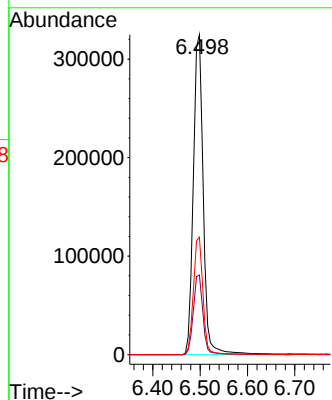
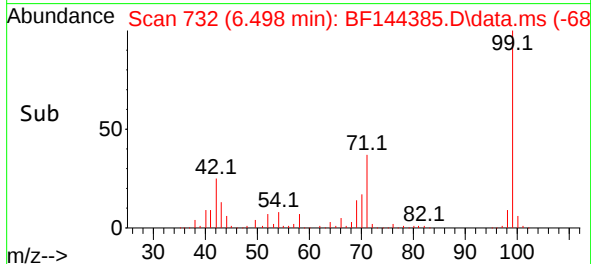


#7
Phenol-d6
Concen: 112.193 ng
RT: 6.498 min Scan# 733
Delta R.T. -0.000 min
Lab File: BF144385.D
Acq: 01 Dec 2025 14:11

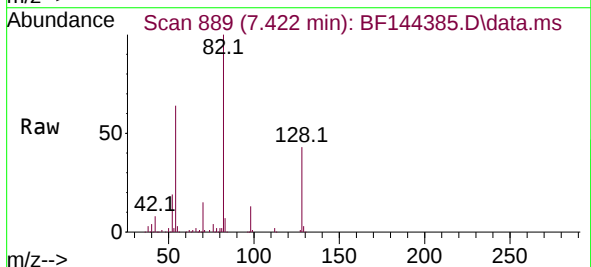
Instrument :
BNA_F
ClientSampleId :



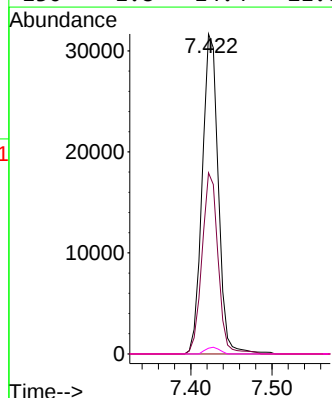
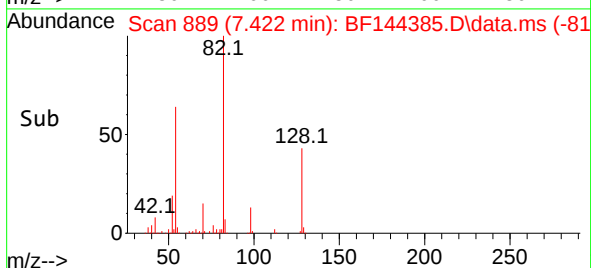
Tgt Ion: 99 Resp: 473970
Ion Ratio Lower Upper
99 100
42 24.9 20.9 31.3
71 36.7 31.4 47.2



#19
n-Nitroso-di-n-propylamine
Concen: 15.685 ng
RT: 7.422 min Scan# 889
Delta R.T. 0.147 min
Lab File: BF144385.D
Acq: 01 Dec 2025 14:11



Tgt Ion: 70 Resp: 43620
Ion Ratio Lower Upper
70 100
42 56.6 58.3 87.5#
101 0.0 7.0 10.6#
130 1.8 14.4 21.6#

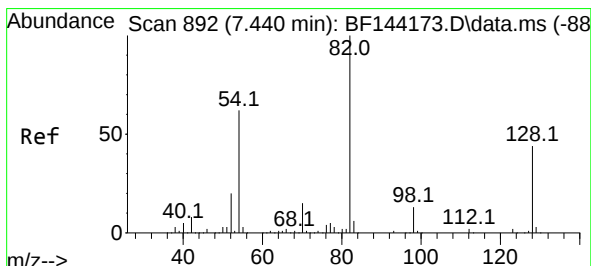
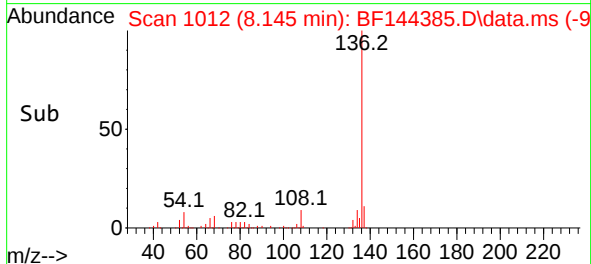
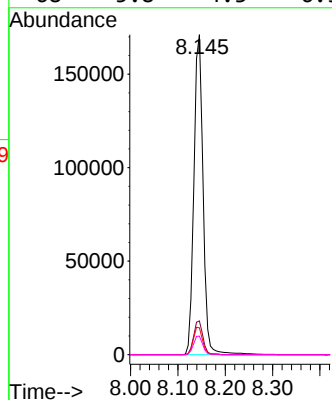
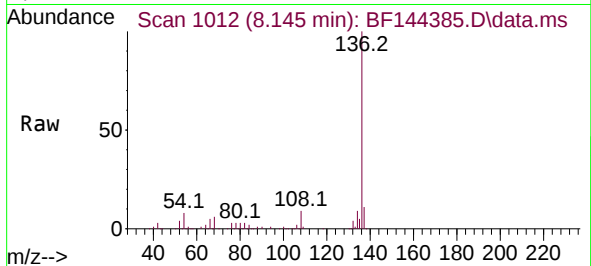




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.145 min Scan# 1014
Delta R.T. -0.012 min
Lab File: BF144385.D
Acq: 01 Dec 2025 14:11

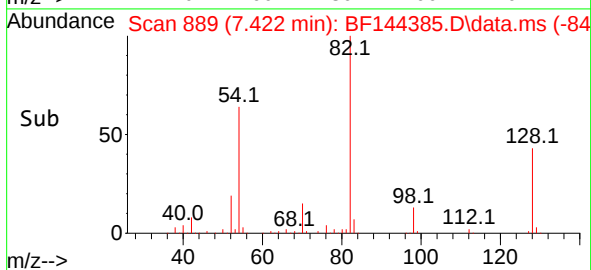
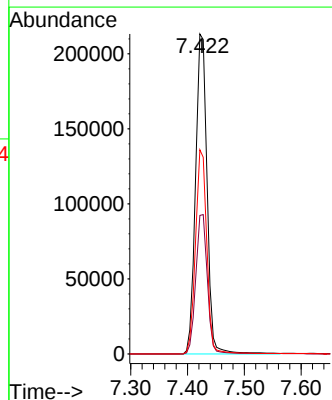
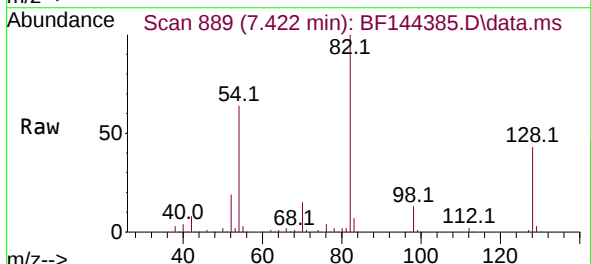
Instrument :
BNA_F
ClientSampleId :

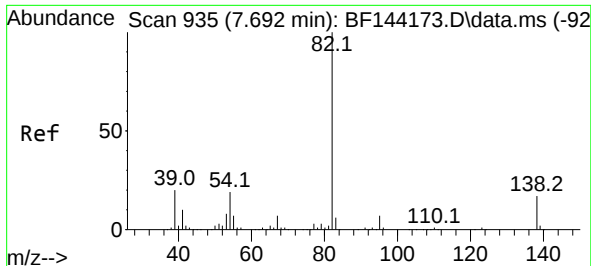
Tgt Ion:	136	Resp:	230427
Ion Ratio	Lower	Upper	
136	100		
137	10.5	8.6	13.0
54	8.4	7.0	10.6
68	5.8	4.3	6.5



#23
Nitrobenzene-d5
Concen: 75.104 ng
RT: 7.422 min Scan# 889
Delta R.T. -0.012 min
Lab File: BF144385.D
Acq: 01 Dec 2025 14:11

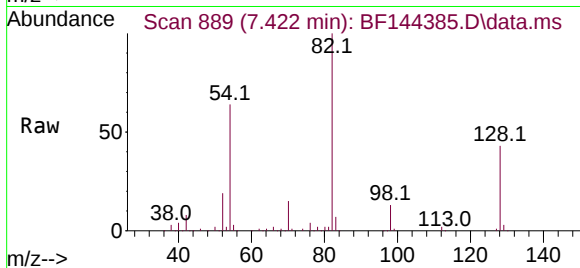
Tgt Ion:	82	Resp:	299644
Ion Ratio	Lower	Upper	
82	100		
128	43.3	34.7	52.1
54	63.8	49.5	74.3



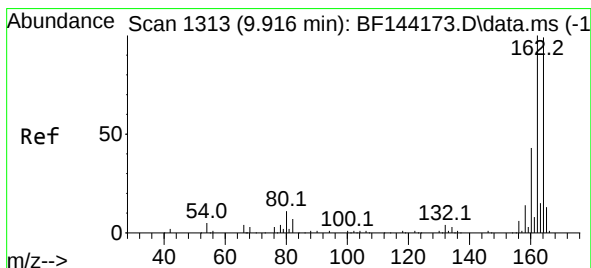
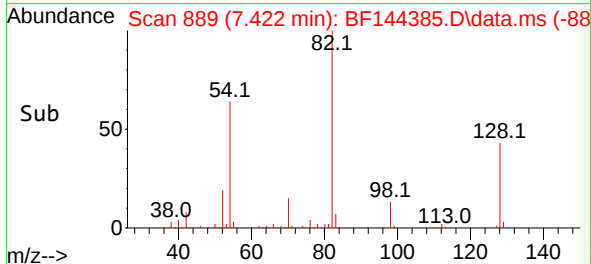
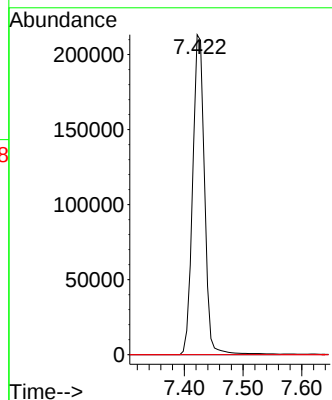


#25
Isophorone
Concen: 39.705 ng
RT: 7.422 min Scan# 88
Delta R.T. -0.265 min
Lab File: BF144385.D
Acq: 01 Dec 2025 14:11

Instrument :
BNA_F
ClientSampleId :

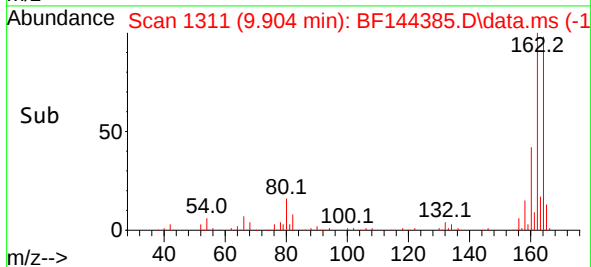
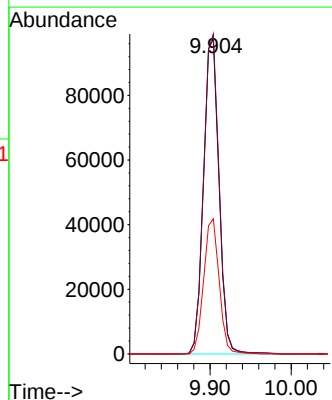
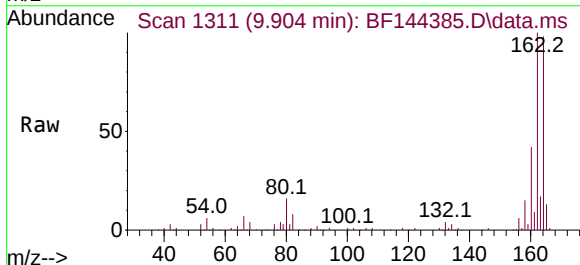


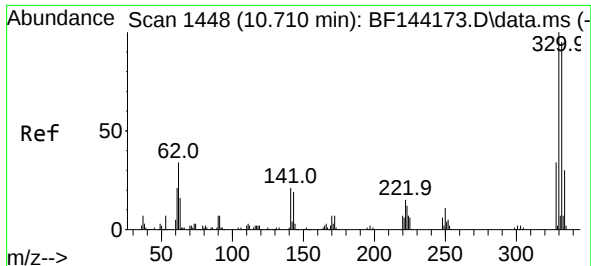
Tgt Ion: 82 Resp: 299642
Ion Ratio Lower Upper
82 100
95 0.0 5.5 8.3#
138 0.0 13.7 20.5#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.904 min Scan# 1311
Delta R.T. -0.012 min
Lab File: BF144385.D
Acq: 01 Dec 2025 14:11

Tgt Ion: 164 Resp: 129664
Ion Ratio Lower Upper
164 100
162 101.6 81.1 121.7
160 42.9 34.5 51.7





#42

2,4,6-Tribromophenol

Concen: 106.351 ng

RT: 10.698 min Scan# 1446

Delta R.T. -0.006 min

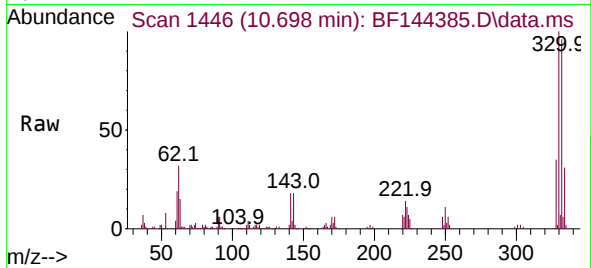
Lab File: BF144385.D

Acq: 01 Dec 2025 14:11

Instrument :

BNA_F

ClientSampleId :



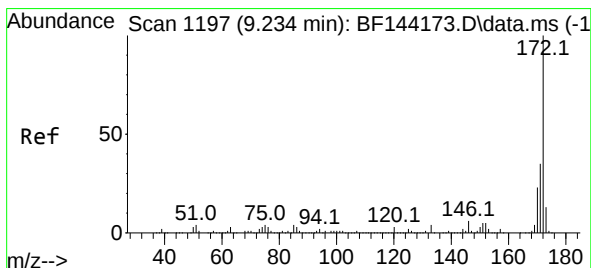
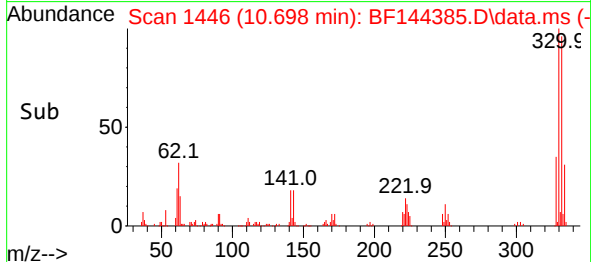
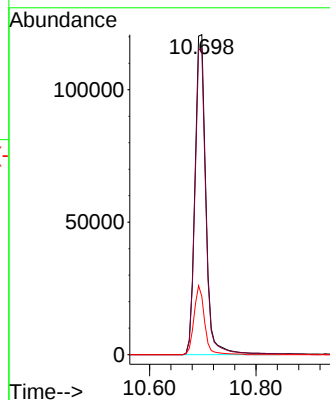
Tgt Ion:330 Resp: 173047

Ion Ratio Lower Upper

330 100

332 95.4 76.7 115.1

141 20.6 17.8 26.8



#45

2-Fluorobiphenyl

Concen: 74.592 ng

RT: 9.222 min Scan# 1195

Delta R.T. -0.006 min

Lab File: BF144385.D

Acq: 01 Dec 2025 14:11

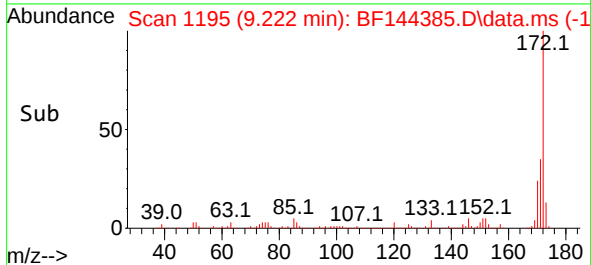
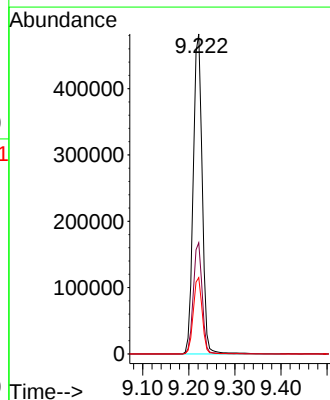
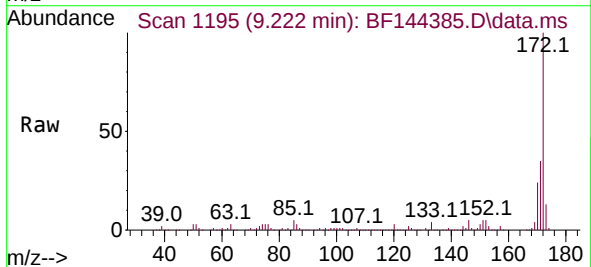
Tgt Ion:172 Resp: 654860

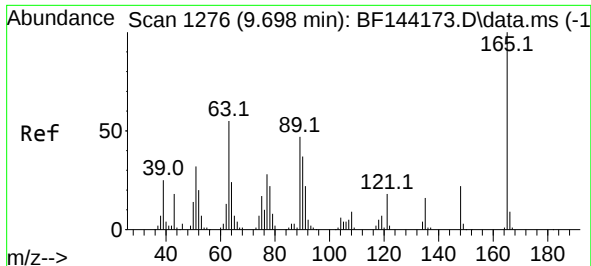
Ion Ratio Lower Upper

172 100

171 34.7 28.1 42.1

170 23.8 18.6 28.0





#51

2,6-Dinitrotoluene

Concen: 9.528 ng

RT: 9.904 min Scan# 1311

Delta R.T. 0.212 min

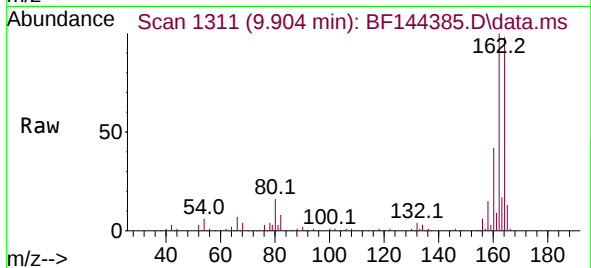
Lab File: BF144385.D

Acq: 01 Dec 2025 14:11

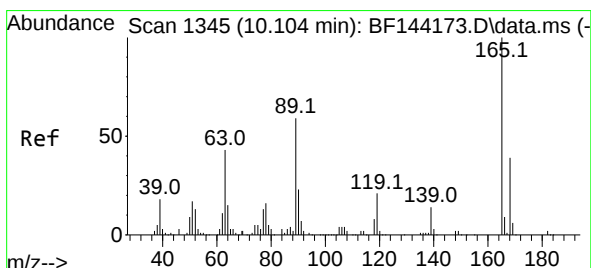
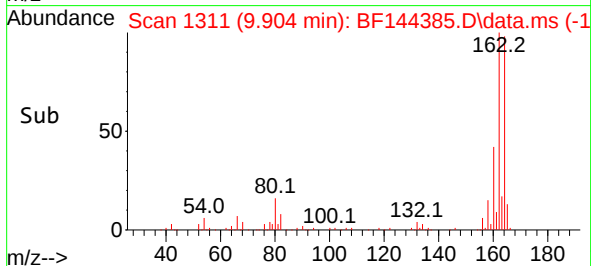
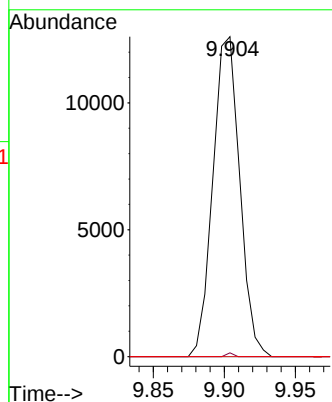
Instrument :

BNA_F

ClientSampleId :



Tgt Ion:	165	Resp:	16569
Ion Ratio	Lower	Upper	
165	100		
63	1.2	43.8	65.8#
89	0.0	37.5	56.3#



#57

2,4-Dinitrotoluene

Concen: 7.118 ng

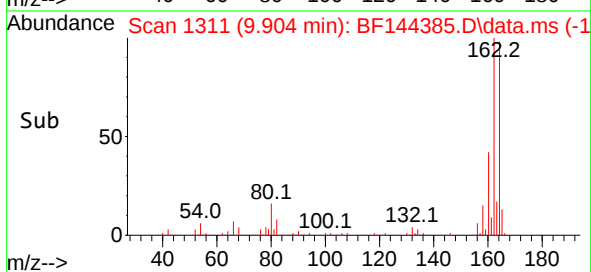
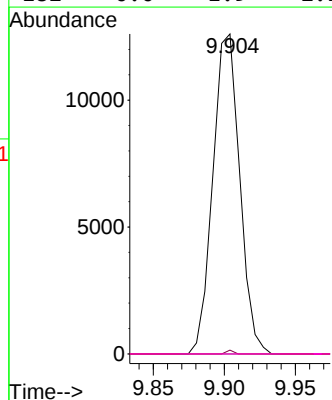
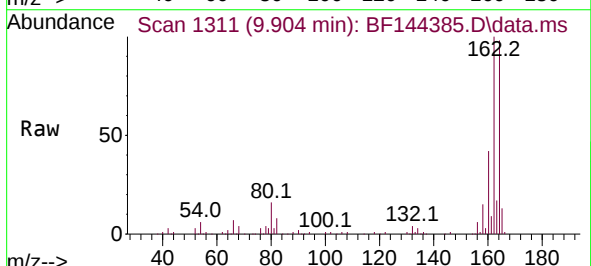
RT: 9.904 min Scan# 1311

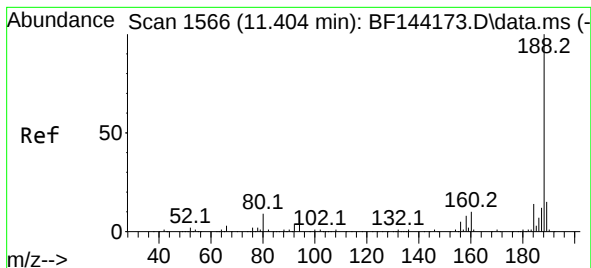
Delta R.T. -0.194 min

Lab File: BF144385.D

Acq: 01 Dec 2025 14:11

Tgt Ion:	165	Resp:	16569
Ion Ratio	Lower	Upper	
165	100		
63	1.2	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: BF144385.D

Acq: 01 Dec 2025 14:11

Instrument :

BNA_F

ClientSampleId :

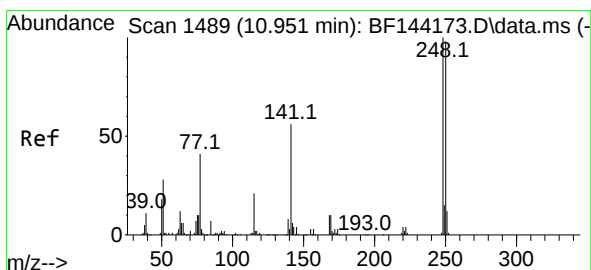
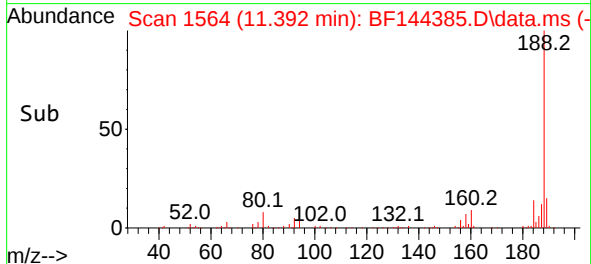
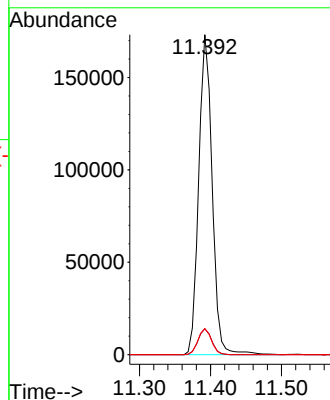
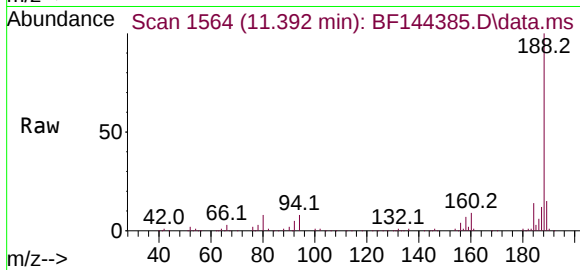
Tgt Ion:188 Resp: 226587

Ion Ratio Lower Upper

188 100

94 8.1 6.2 9.2

80 8.1 6.9 10.3



#67

4-Bromophenyl-phenylether

Concen: 3.406 ng

RT: 10.692 min Scan# 1445

Delta R.T. -0.253 min

Lab File: BF144385.D

Acq: 01 Dec 2025 14:11

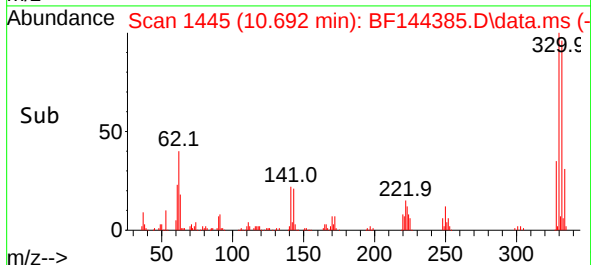
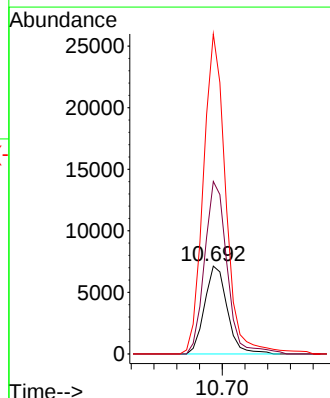
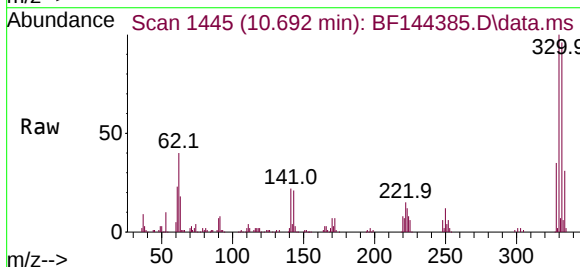
Tgt Ion:248 Resp: 9852

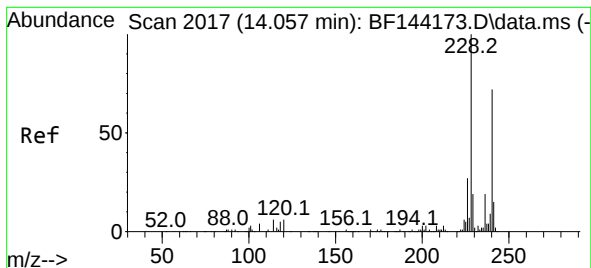
Ion Ratio Lower Upper

248 100

250 196.5 78.4 117.6#

141 364.7 45.1 67.7#





#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.045 min Scan# 2015

Delta R.T. -0.006 min

Lab File: BF144385.D

Acq: 01 Dec 2025 14:11

Instrument :

BNA_F

ClientSampleId :

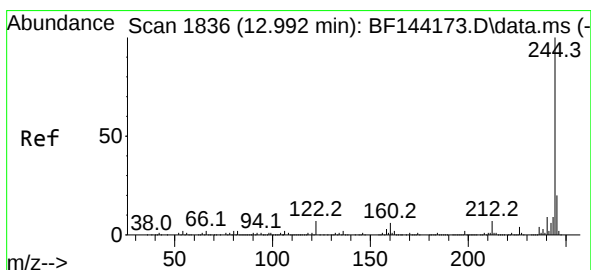
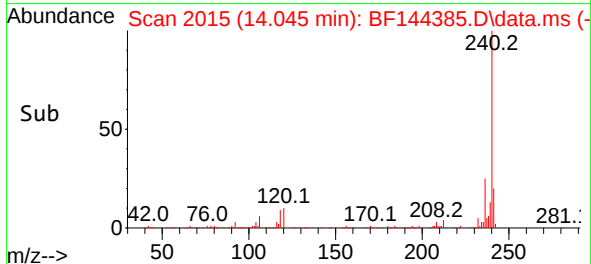
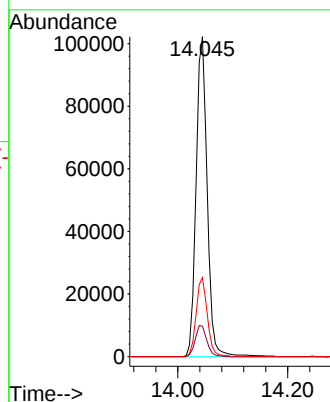
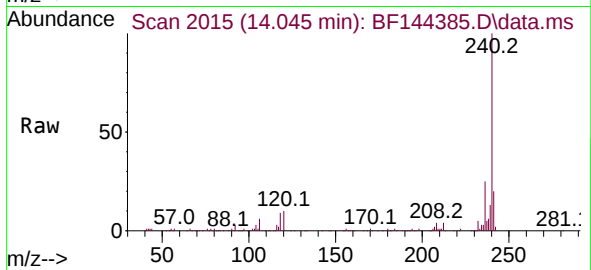
Tgt Ion:240 Resp: 143527

Ion Ratio Lower Upper

240 100

120 9.5 6.6 10.0

236 24.7 21.4 32.2



#79

Terphenyl-d14

Concen: 73.619 ng

RT: 12.980 min Scan# 1834

Delta R.T. -0.012 min

Lab File: BF144385.D

Acq: 01 Dec 2025 14:11

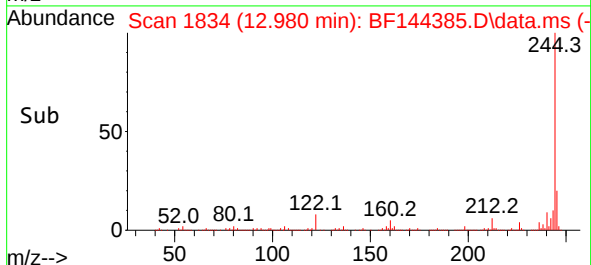
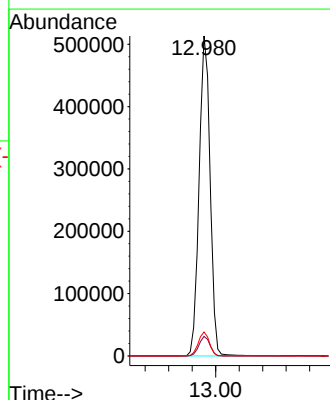
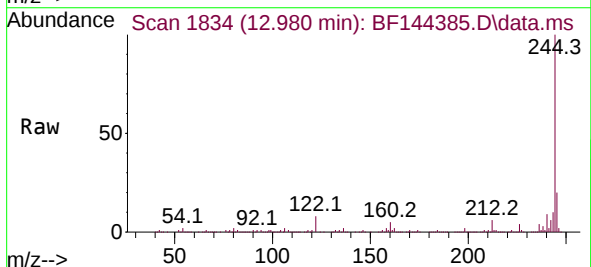
Tgt Ion:244 Resp: 665212

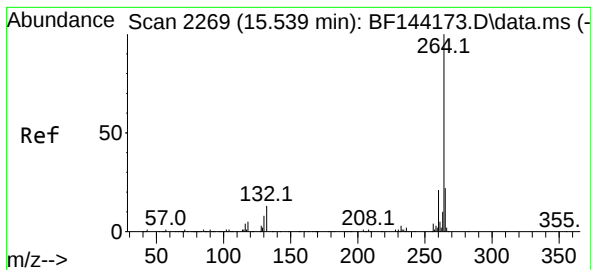
Ion Ratio Lower Upper

244 100

212 6.1 5.3 7.9

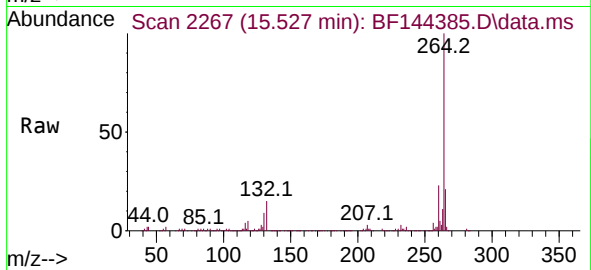
122 7.5 5.6 8.4





#86
Perylene-d12
Concen: 20.000 ng
RT: 15.527 min Scan# 21
Delta R.T. -0.012 min
Lab File: BF144385.D
Acq: 01 Dec 2025 14:11

Instrument :
BNA_F
ClientSampleId :



Tgt Ion:264 Resp: 171385
Ion Ratio Lower Upper
264 100
260 22.8 17.1 25.7
265 20.9 17.4 26.0

