

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF052325\
 Data File : BF142533.D
 Acq On : 23 May 2025 14:10
 Operator : RC/JU
 Sample : Q2097-03
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 RBR200044

Quant Time: May 23 14:34:35 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF052025.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue May 20 16:26:47 2025
 Response via : Initial Calibration

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

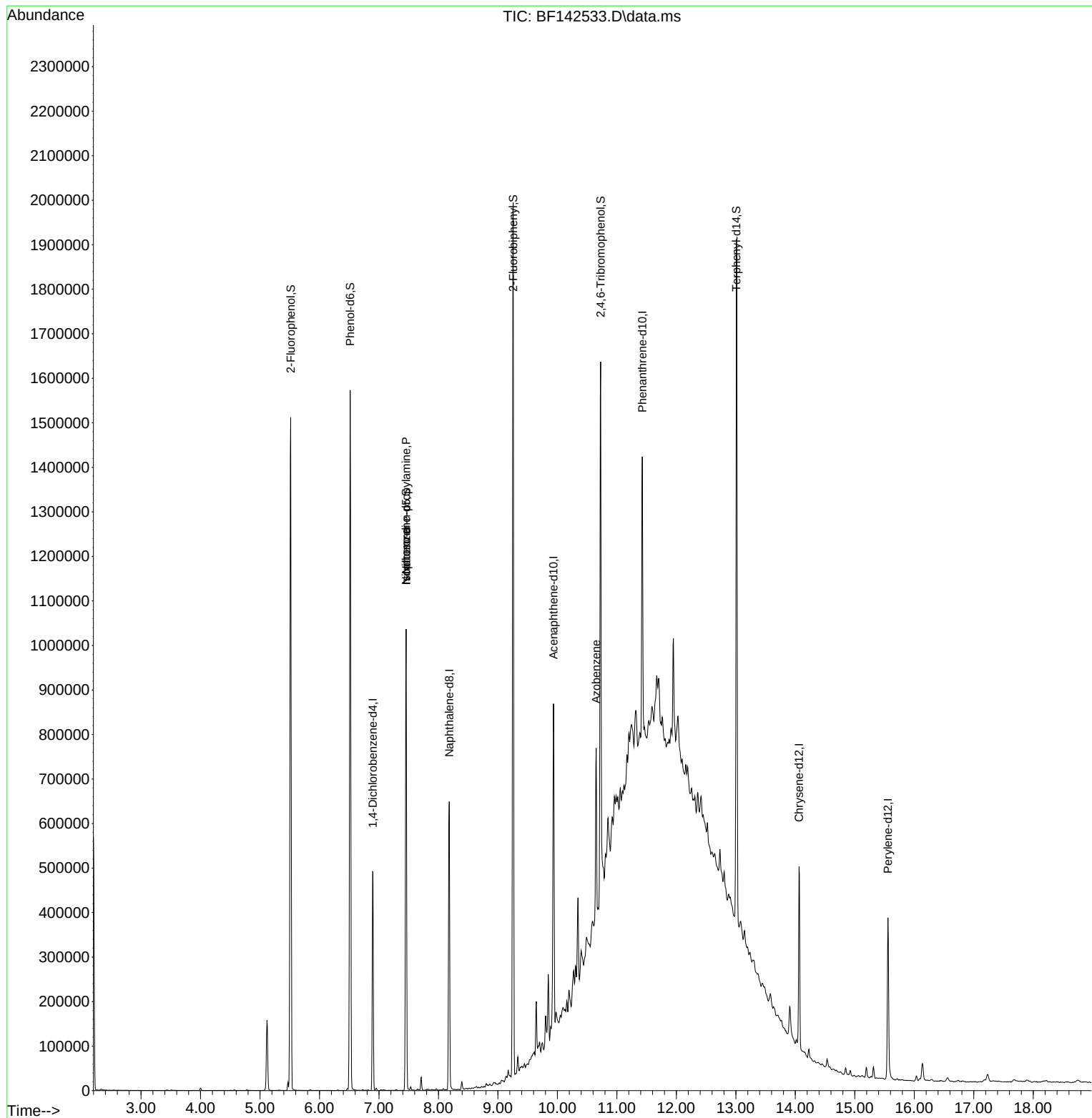
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.898	152	110725	20.000	ng	0.00
21) Naphthalene-d8	8.180	136	422669	20.000	ng	0.00
39) Acenaphthene-d10	9.933	164	217333	20.000	ng	-0.01
64) Phenanthrene-d10	11.427	188	334495	20.000	ng	0.00
76) Chrysene-d12	14.062	240	204786	20.000	ng	#-0.01
86) Perylene-d12	15.556	264	208915	20.000	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.516	112	607593	92.449	ng	0.00
7) Phenol-d6	6.516	99	752803	95.155	ng	-0.02
23) Nitrobenzene-d5	7.457	82	449600	58.003	ng	-0.02
42) 2,4,6-Tribromophenol	10.727	330	225121	93.329	ng	-0.01
45) 2-Fluorobiphenyl	9.257	172	920859	56.856	ng	-0.01
79) Terphenyl-d14	13.010	244	785557	52.421	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propyla...	7.457	70	59657	12.167	ng	# 76
25) Isophorone	7.457	82	415573	32.067	ng	# 63
63) Azobenzene	10.651	77	97328	7.737	ng	# 1

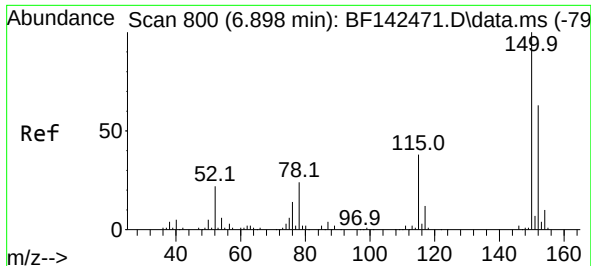
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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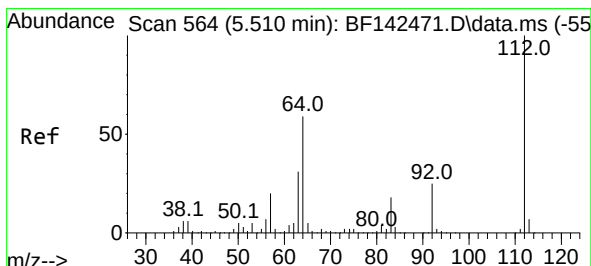
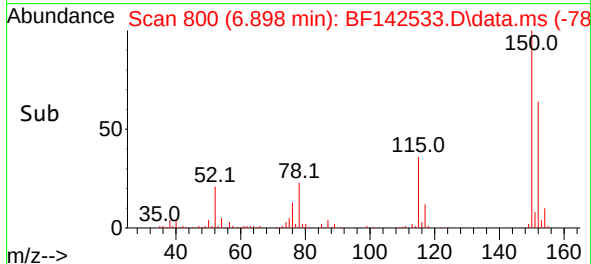
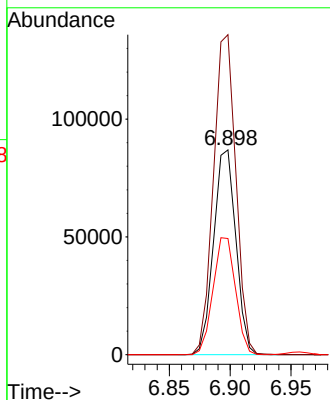
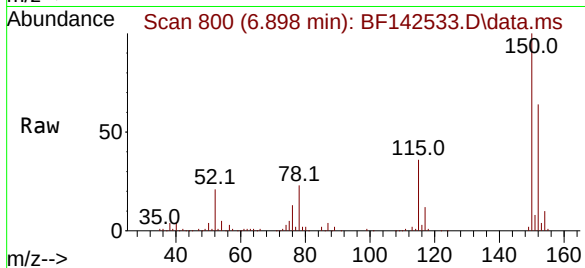




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.898 min Scan# 800
 Delta R.T. -0.006 min
 Lab File: BF142533.D
 Acq: 23 May 2025 14:10

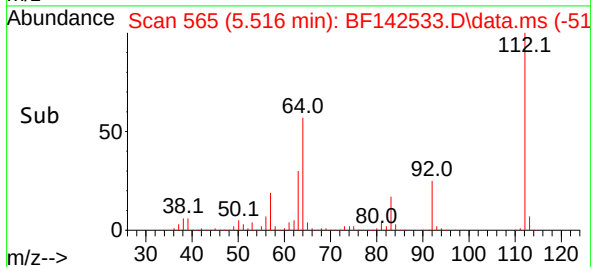
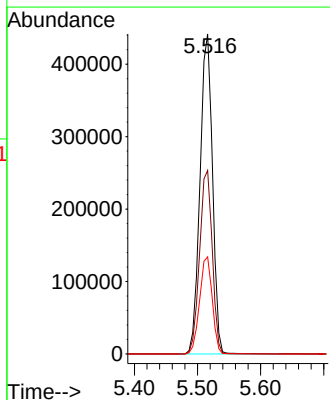
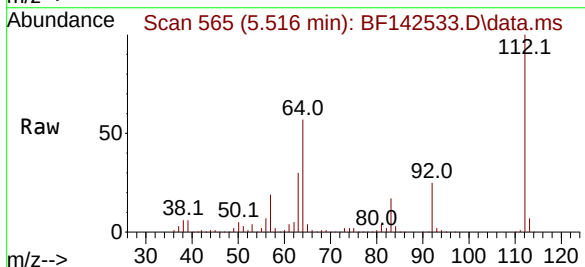
Instrument :
 BNA_F
 ClientSampleId :
 RBR200044

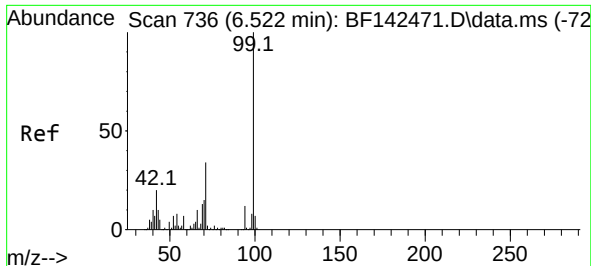
Tgt Ion:152 Resp: 110725
 Ion Ratio Lower Upper
 152 100
 150 156.3 128.2 192.4
 115 56.7 48.3 72.5



#5
 2-Fluorophenol
 Concen: 92.449 ng
 RT: 5.516 min Scan# 565
 Delta R.T. -0.000 min
 Lab File: BF142533.D
 Acq: 23 May 2025 14:10

Tgt Ion:112 Resp: 607593
 Ion Ratio Lower Upper
 112 100
 64 57.4 47.5 71.3
 63 30.4 24.9 37.3

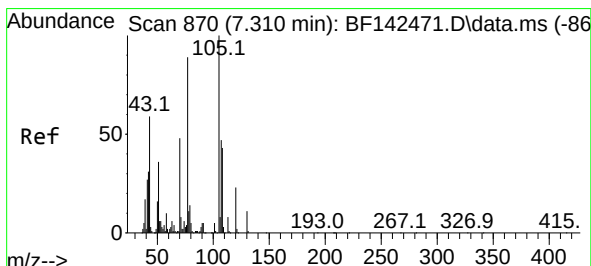
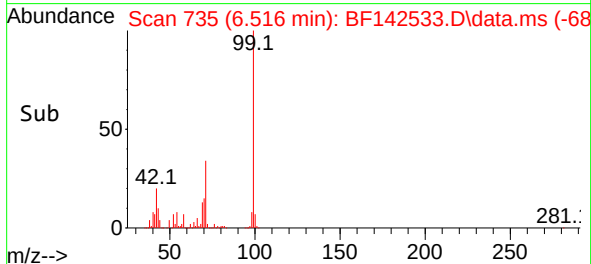
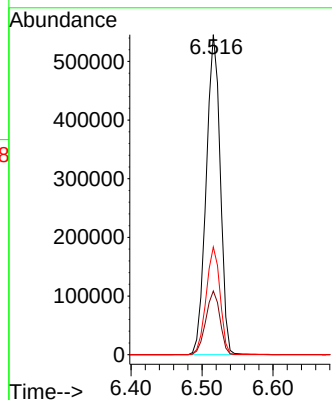
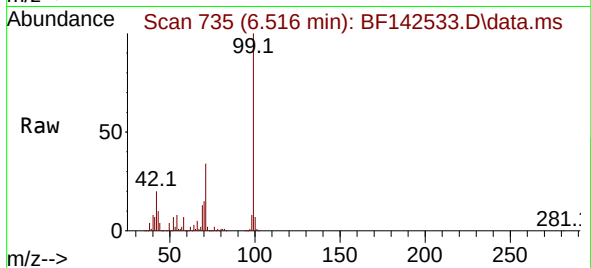




#7
Phenol-d6
Concen: 95.155 ng
RT: 6.516 min Scan# 71
Delta R.T. -0.018 min
Lab File: BF142533.D
Acq: 23 May 2025 14:10

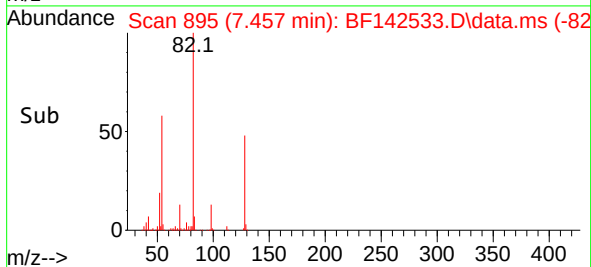
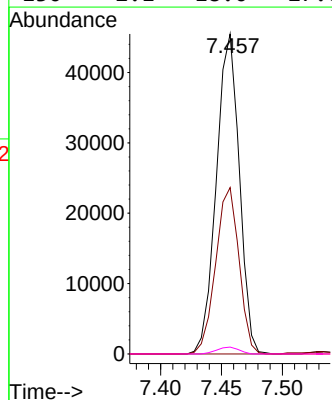
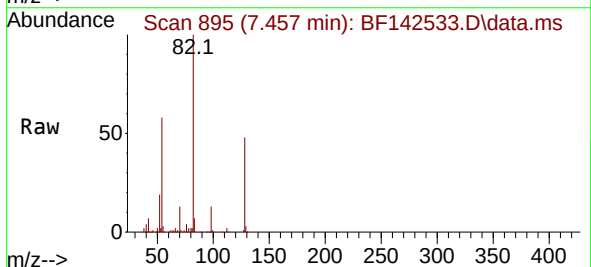
Instrument :
BNA_F
ClientSampleId :
RBR200044

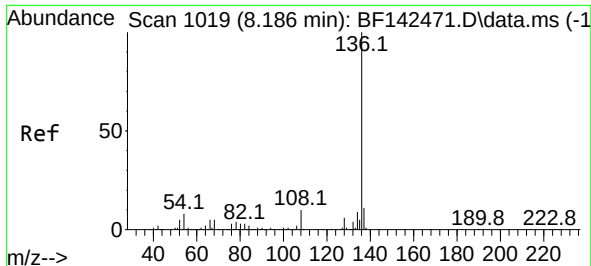
Tgt Ion: 99 Resp: 752803
Ion Ratio Lower Upper
99 100
42 19.9 16.2 24.2
71 33.6 27.3 40.9



#19
n-Nitroso-di-n-propylamine
Concen: 12.167 ng
RT: 7.457 min Scan# 895
Delta R.T. 0.129 min
Lab File: BF142533.D
Acq: 23 May 2025 14:10

Tgt Ion: 70 Resp: 59657
Ion Ratio Lower Upper
70 100
42 52.0 52.4 78.6#
101 0.0 7.8 11.8#
130 2.1 18.0 27.0#



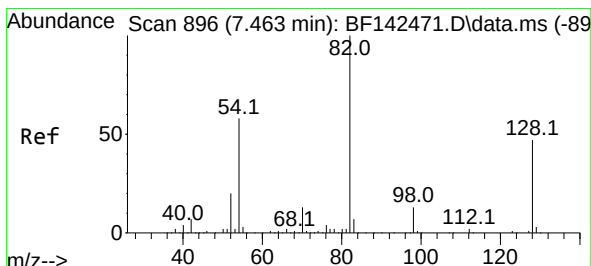
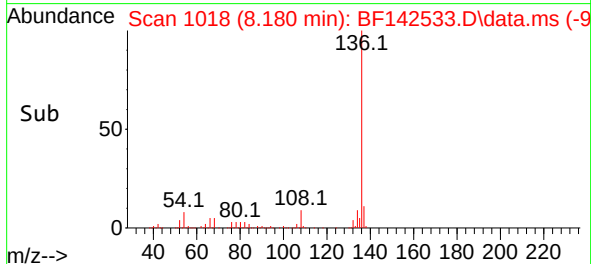
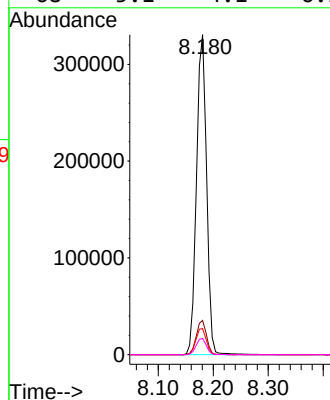
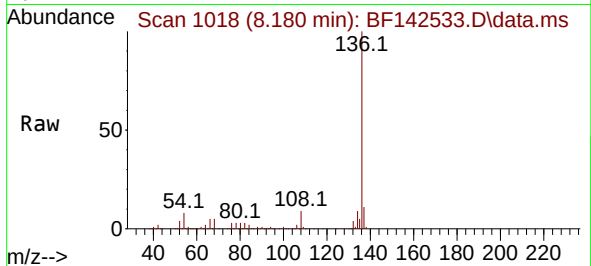


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.180 min Scan# 1019
Delta R.T. -0.006 min
Lab File: BF142533.D
Acq: 23 May 2025 14:10

Instrument :
BNA_F
ClientSampleId :
RBR200044

Tgt Ion:136 Resp: 422669

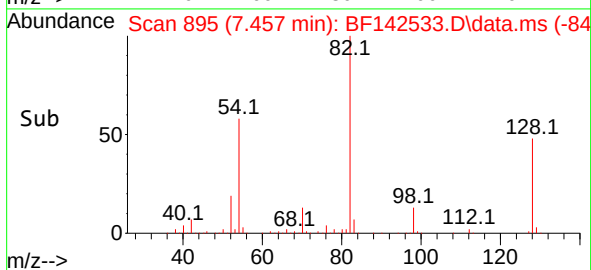
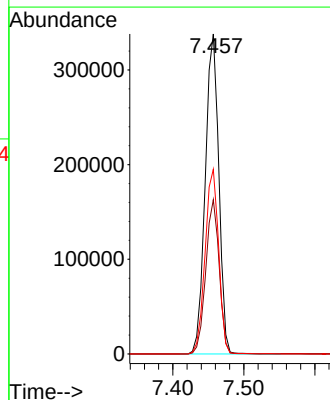
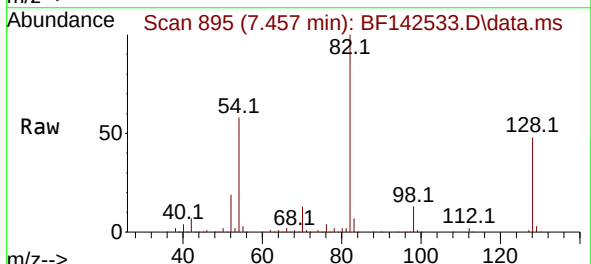
Ion	Ratio	Lower	Upper
136	100		
137	10.7	8.6	13.0
54	8.2	6.6	10.0
68	5.1	4.1	6.1

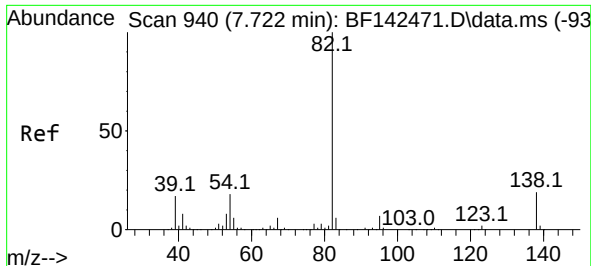


#23
Nitrobenzene-d5
Concen: 58.003 ng
RT: 7.457 min Scan# 895
Delta R.T. -0.018 min
Lab File: BF142533.D
Acq: 23 May 2025 14:10

Tgt Ion: 82 Resp: 449600

Ion	Ratio	Lower	Upper
82	100		
128	48.2	37.4	56.2
54	57.7	46.6	70.0

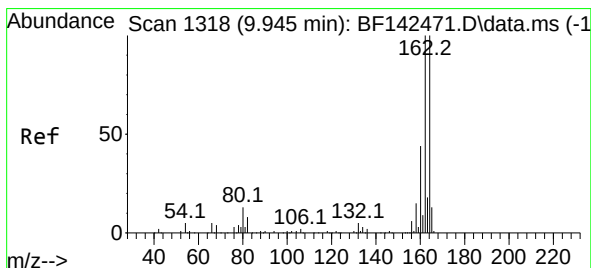
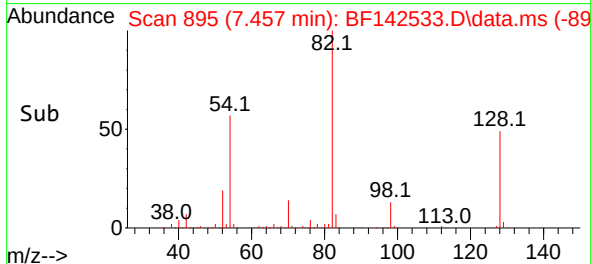
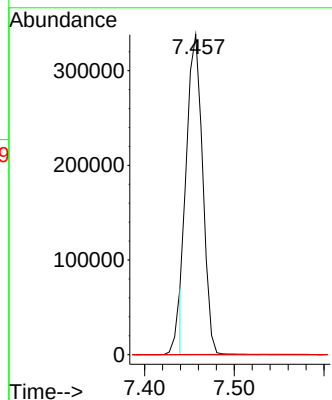
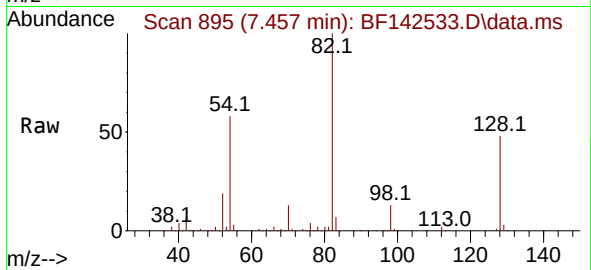




#25
Isophorone
Concen: 32.067 ng
RT: 7.457 min Scan# 89
Delta R.T. -0.276 min
Lab File: BF142533.D
Acq: 23 May 2025 14:10

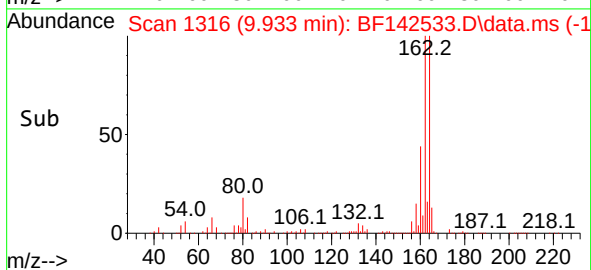
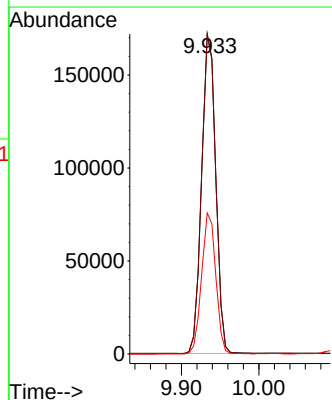
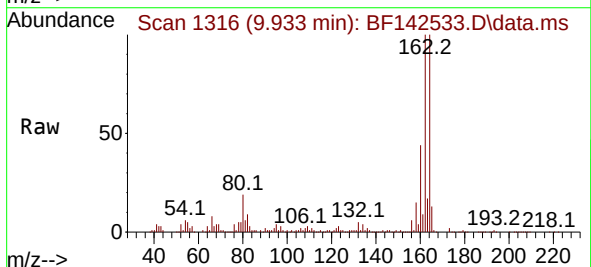
Instrument :
BNA_F
ClientSampleId :
RBR200044

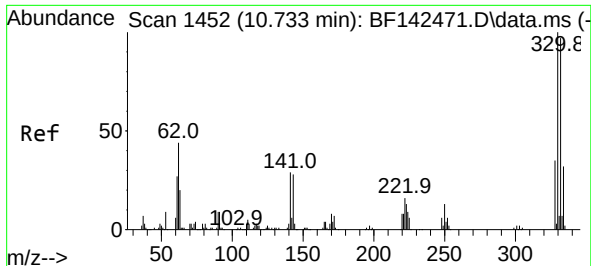
Tgt Ion: 82 Resp: 415573
Ion Ratio Lower Upper
82 100
95 0.0 6.0 9.0#
138 0.0 15.5 23.3#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.933 min Scan# 1316
Delta R.T. -0.012 min
Lab File: BF142533.D
Acq: 23 May 2025 14:10

Tgt Ion: 164 Resp: 217333
Ion Ratio Lower Upper
164 100
162 99.7 80.2 120.4
160 44.1 35.6 53.4





#42

2,4,6-Tribromophenol

Concen: 93.329 ng

RT: 10.727 min Scan# 1451

Delta R.T. -0.012 min

Lab File: BF142533.D

Acq: 23 May 2025 14:10

Instrument :

BNA_F

ClientSampleId :

RBR200044

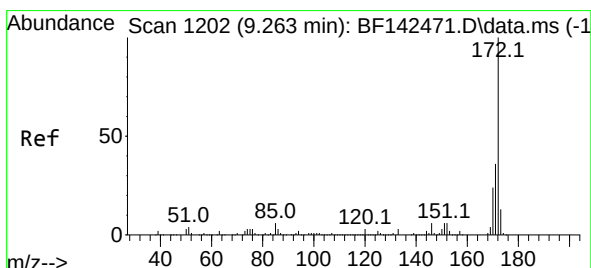
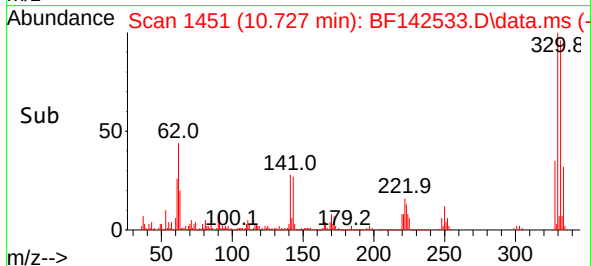
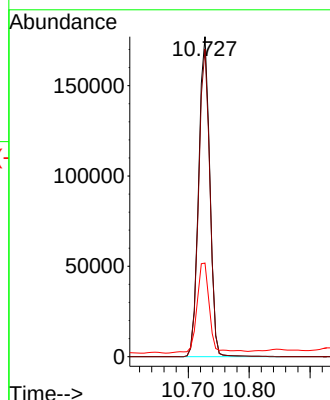
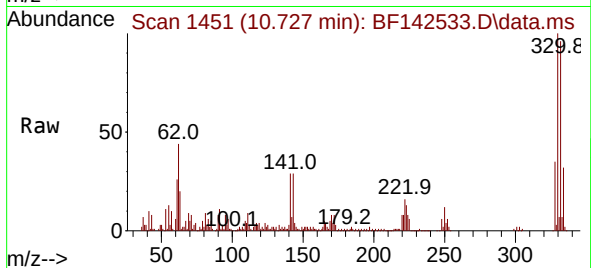
Tgt Ion:330 Resp: 225121

Ion Ratio Lower Upper

330 100

332 96.4 77.6 116.4

141 31.4 24.6 36.8



#45

2-Fluorobiphenyl

Concen: 56.856 ng

RT: 9.257 min Scan# 1201

Delta R.T. -0.012 min

Lab File: BF142533.D

Acq: 23 May 2025 14:10

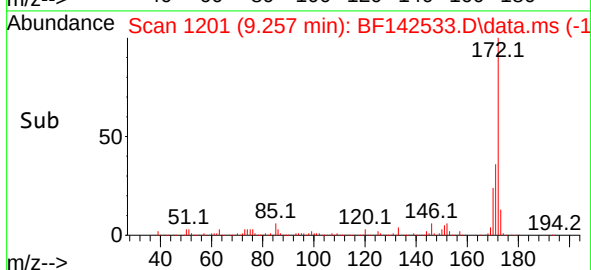
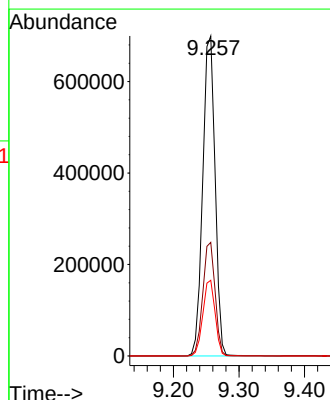
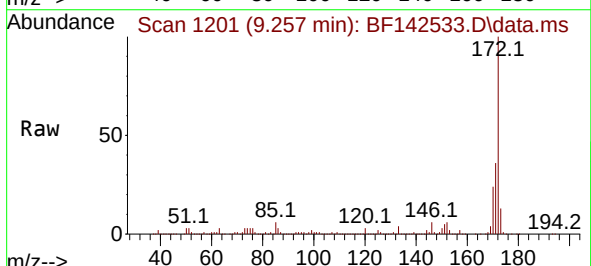
Tgt Ion:172 Resp: 920859

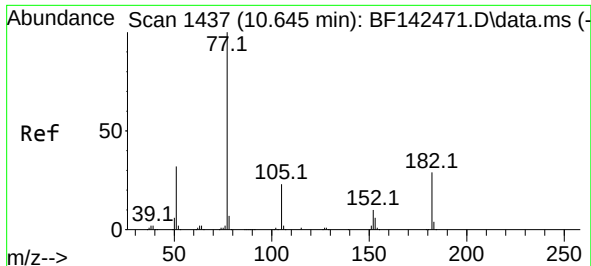
Ion Ratio Lower Upper

172 100

171 35.5 28.6 42.8

170 23.7 18.9 28.3

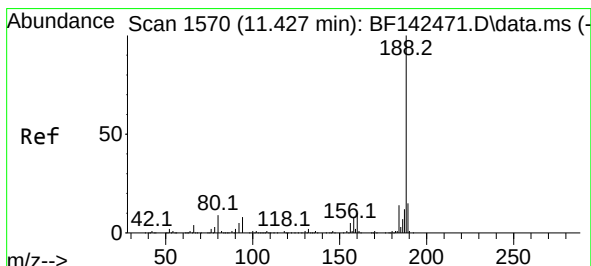
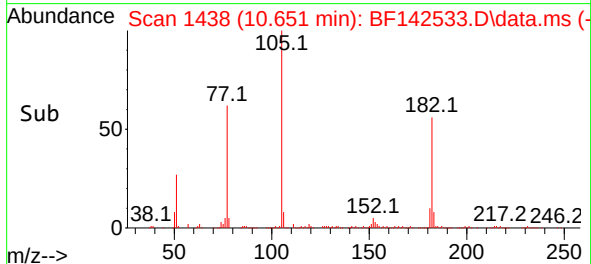
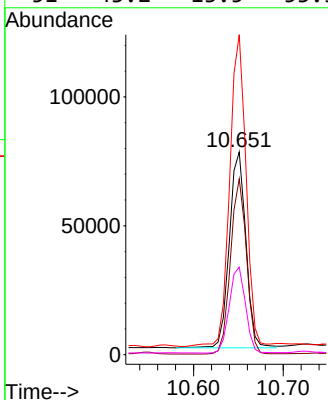
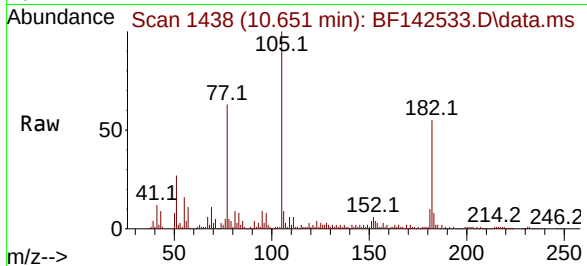




#63
Azobenzene
Concen: 7.737 ng
RT: 10.651 min Scan# 1437
Delta R.T. 0.006 min
Lab File: BF142533.D
Acq: 23 May 2025 14:10

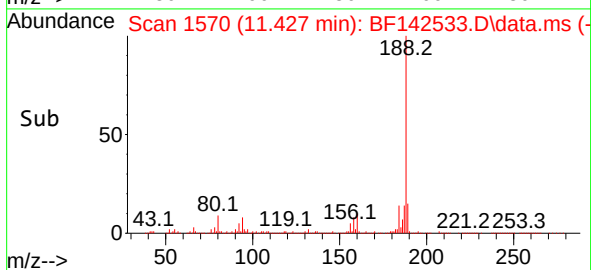
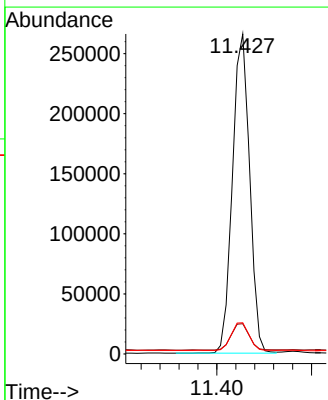
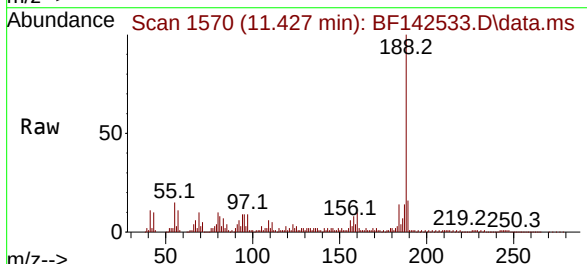
Instrument :
BNA_F
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RBR200044

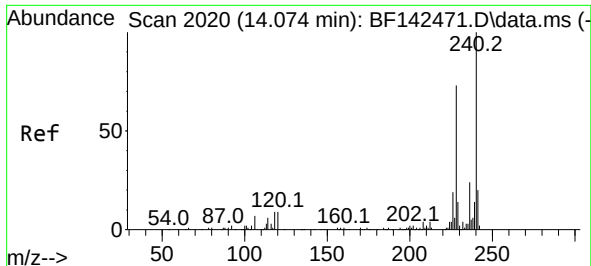
Tgt Ion: 77	Resp: 97328
Ion Ratio	Lower Upper
77 100	
182 86.8	9.0 49.0#
105 157.9	2.4 42.4#
51 43.2	13.5 53.5



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.427 min Scan# 1570
Delta R.T. -0.006 min
Lab File: BF142533.D
Acq: 23 May 2025 14:10

Tgt Ion: 188	Resp: 334495
Ion Ratio	Lower Upper
188 100	
94 9.4	6.6 10.0
80 9.8	7.4 11.0

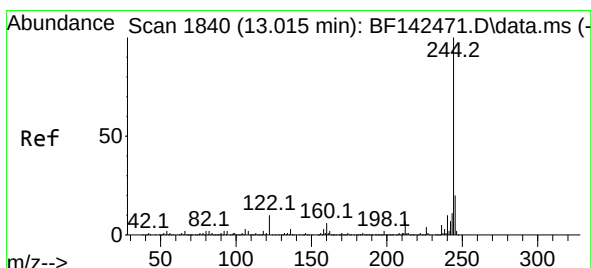
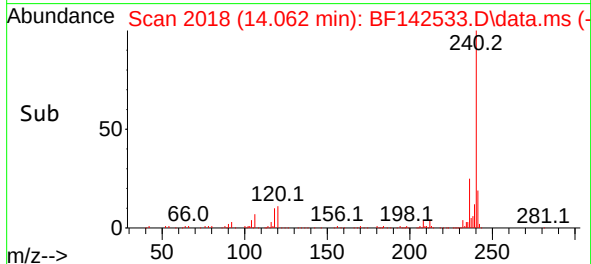
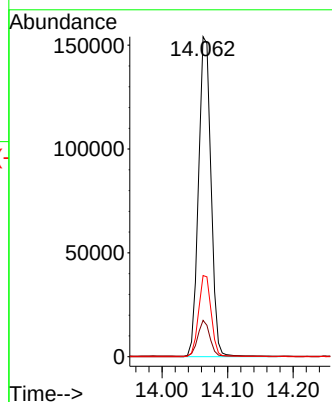
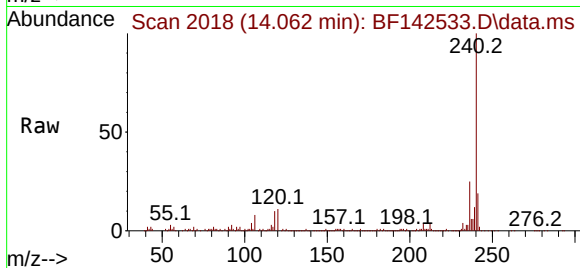




#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.062 min Scan# 20
Delta R.T. -0.012 min
Lab File: BF142533.D
Acq: 23 May 2025 14:10

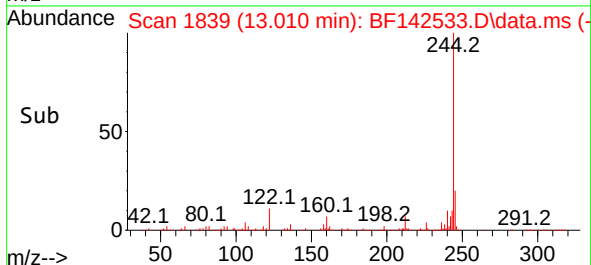
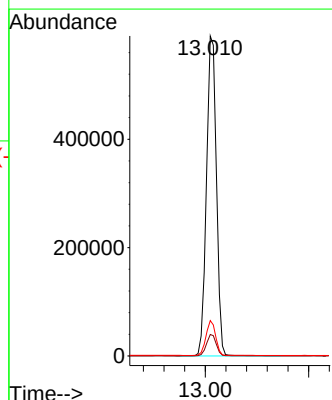
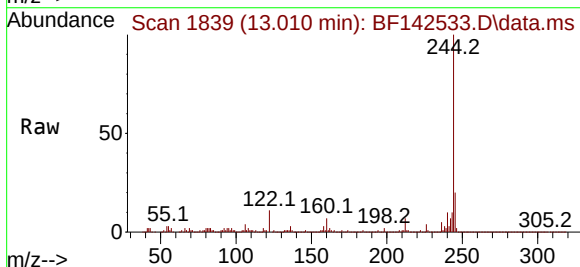
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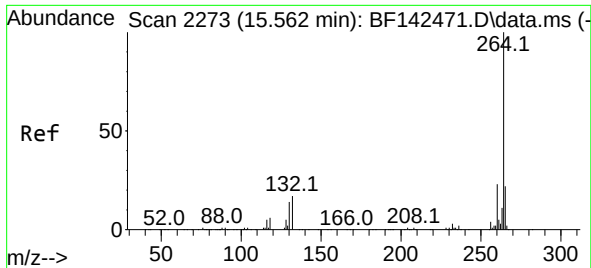
Tgt Ion:240 Resp: 204786
Ion Ratio Lower Upper
240 100
120 11.4 7.5 11.3#
236 25.4 19.6 29.4



#79
Terphenyl-d14
Concen: 52.421 ng
RT: 13.010 min Scan# 1839
Delta R.T. -0.006 min
Lab File: BF142533.D
Acq: 23 May 2025 14:10

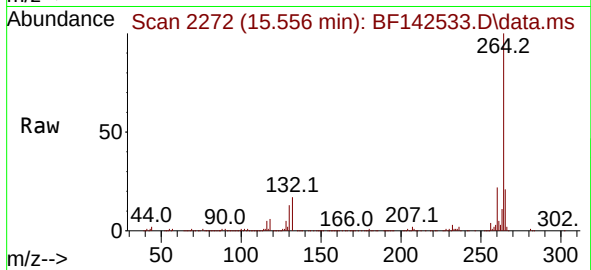
Tgt Ion:244 Resp: 785557
Ion Ratio Lower Upper
244 100
212 6.7 5.3 7.9
122 11.1 8.2 12.2





#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.556 min Scan# 21
 Delta R.T. -0.012 min
 Lab File: BF142533.D
 Acq: 23 May 2025 14:10

Instrument :
 BNA_F
 ClientSampleId :
 RBR200044



Tgt Ion:264 Resp: 208915
 Ion Ratio Lower Upper
 264 100
 260 22.3 18.6 28.0
 265 21.2 17.7 26.5

