

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF032525\
 Data File : BF142077.D
 Acq On : 25 Mar 2025 14:37
 Operator : RC/JU
 Sample : PB167254BL
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 PB167254BL

Quant Time: Mar 25 15:11:10 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF031025.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Mar 10 15:46:22 2025
 Response via : Initial Calibration

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

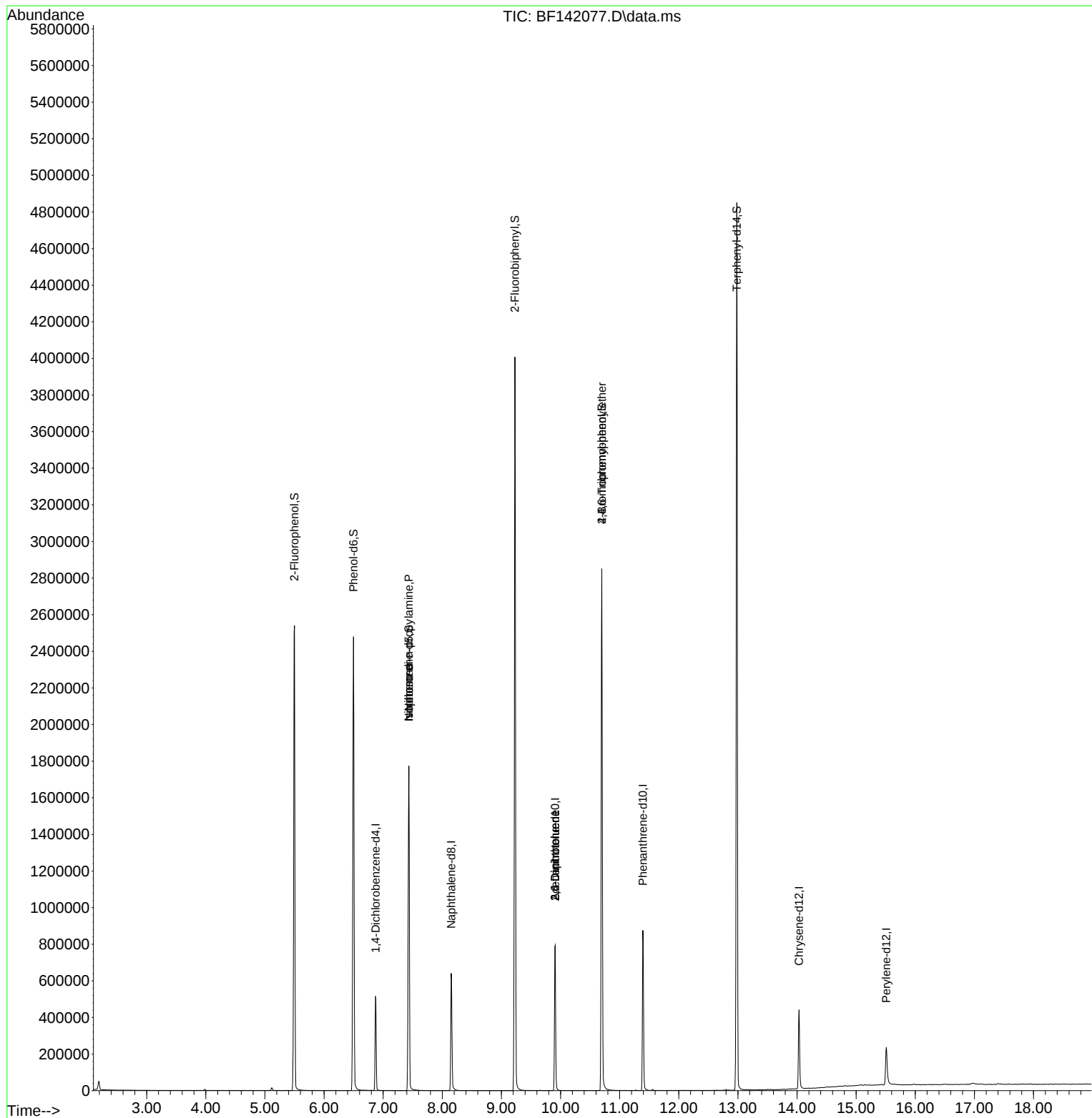
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.875	152	115903	20.000	ng	0.00
21) Naphthalene-d8	8.151	136	456229	20.000	ng	-0.01
39) Acenaphthene-d10	9.910	164	260856	20.000	ng	0.00
64) Phenanthrene-d10	11.392	188	480962	20.000	ng	-0.01
76) Chrysene-d12	14.033	240	245623	20.000	ng	0.00
86) Perylene-d12	15.510	264	169754	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.498	112	1043959	150.326	ng	0.00
7) Phenol-d6	6.498	99	1280410	144.809	ng	0.00
23) Nitrobenzene-d5	7.434	82	846542	104.421	ng	-0.01
42) 2,4,6-Tribromophenol	10.698	330	568102	171.668	ng	0.00
45) 2-Fluorobiphenyl	9.228	172	1815144	105.824	ng	-0.01
79) Terphenyl-d14	12.980	244	2495861	150.231	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propyla...	7.434	70	117135	20.617	ng	# 76
25) Isophorone	7.434	82	839520	58.583	ng	# 64
51) 2,6-Dinitrotoluene	9.910	165	33858	8.902	ng	# 23
57) 2,4-Dinitrotoluene	9.910	165	33859	6.816	ng	# 24
67) 4-Bromophenyl-phenylether	10.698	248	34251	5.670	ng	# 1

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

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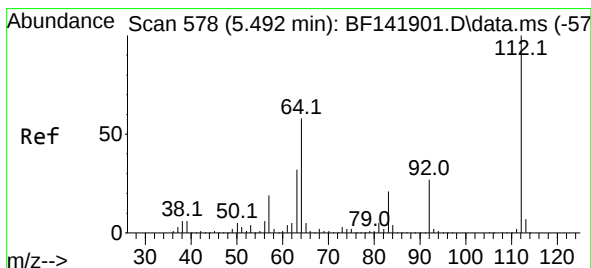
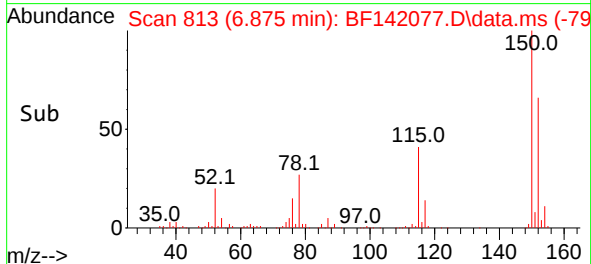
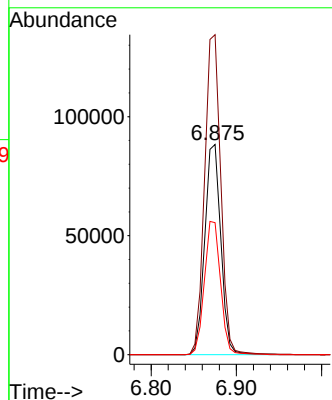
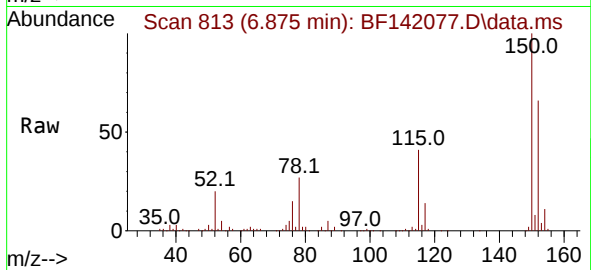




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.875 min Scan# 814
Delta R.T. -0.006 min
Lab File: BF142077.D
Acq: 25 Mar 2025 14:37

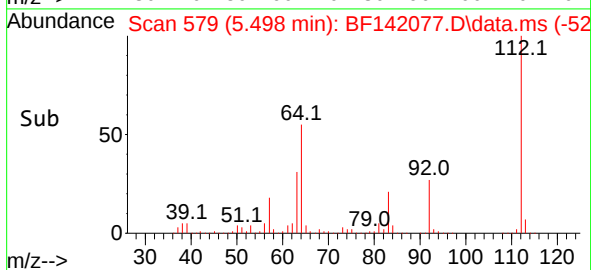
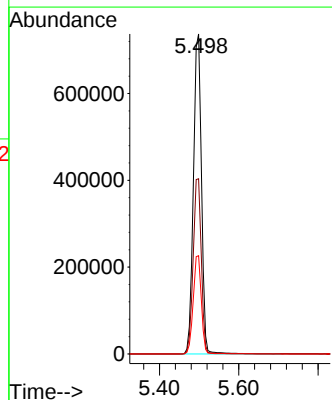
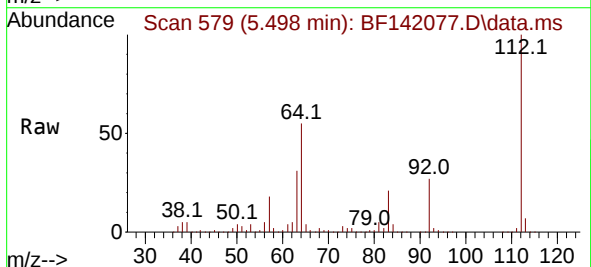
Instrument :
BNA_F
ClientSampleId :
PB167254BL

Tgt Ion:152 Resp: 115903
Ion Ratio Lower Upper
152 100
150 152.2 127.4 191.2
115 62.8 51.9 77.9



#5
2-Fluorophenol
Concen: 150.326 ng
RT: 5.498 min Scan# 579
Delta R.T. 0.006 min
Lab File: BF142077.D
Acq: 25 Mar 2025 14:37

Tgt Ion:112 Resp: 1043959
Ion Ratio Lower Upper
112 100
64 54.8 46.5 69.7
63 30.7 25.4 38.2

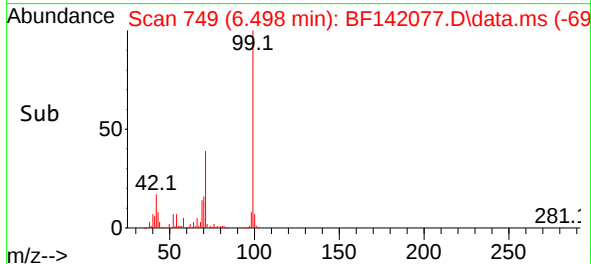
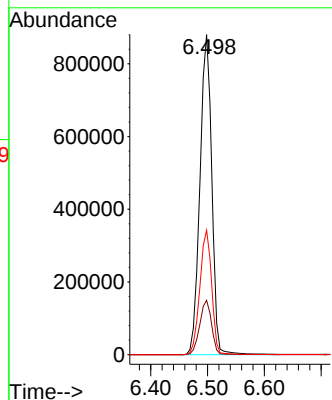
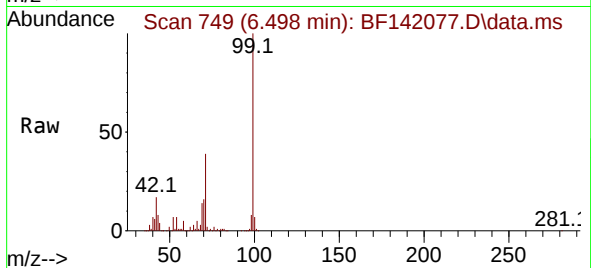




#7
Phenol-d6
Concen: 144.809 ng
RT: 6.498 min Scan# 74
Delta R.T. -0.006 min
Lab File: BF142077.D
Acq: 25 Mar 2025 14:37

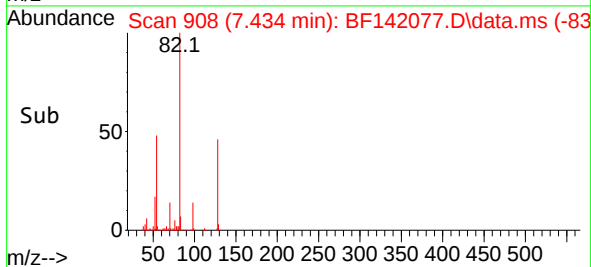
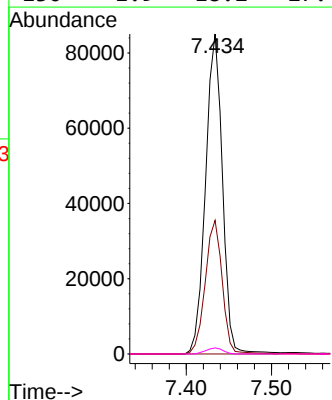
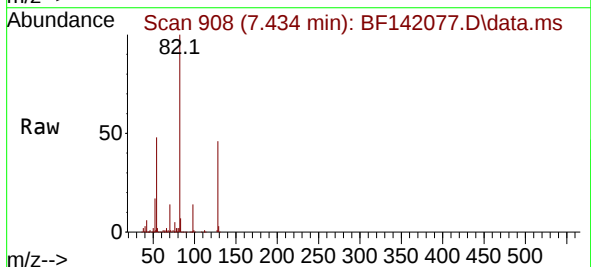
Instrument :
BNA_F
ClientSampleId :
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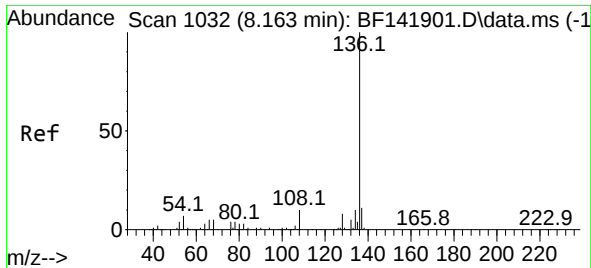
Tgt Ion: 99 Resp: 1280410
Ion Ratio Lower Upper
99 100
42 17.0 14.6 21.8
71 38.9 30.8 46.2



#19
n-Nitroso-di-n-propylamine
Concen: 20.617 ng
RT: 7.434 min Scan# 908
Delta R.T. 0.135 min
Lab File: BF142077.D
Acq: 25 Mar 2025 14:37

Tgt Ion: 70 Resp: 117135
Ion Ratio Lower Upper
70 100
42 41.8 41.4 62.0
101 0.0 8.2 12.2#
130 1.9 18.2 27.4#

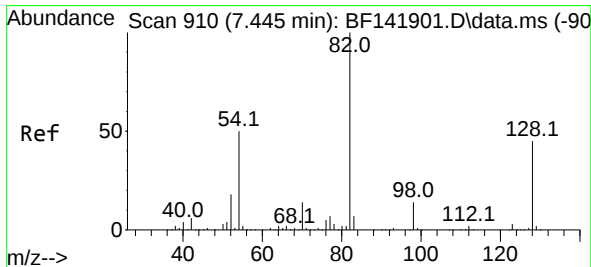
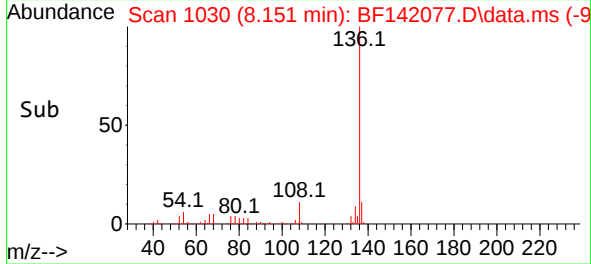
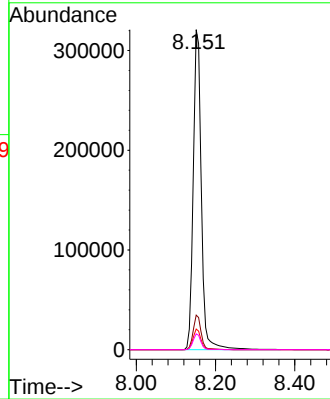
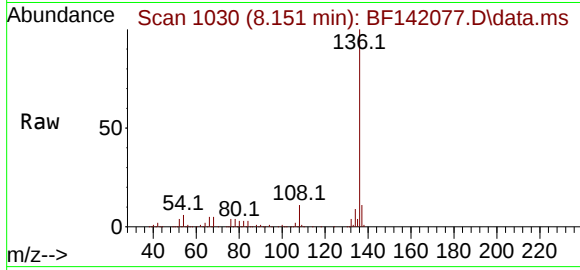




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.151 min Scan# 1030
Delta R.T. -0.012 min
Lab File: BF142077.D
Acq: 25 Mar 2025 14:37

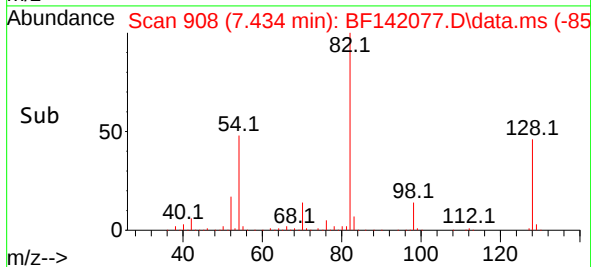
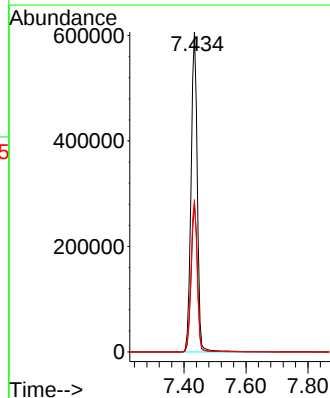
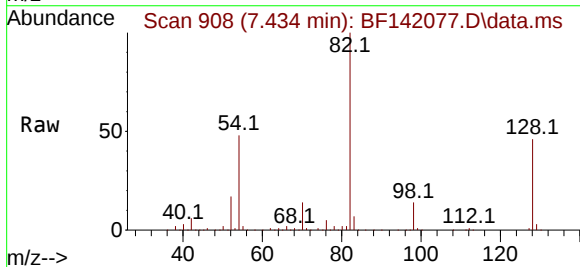
Instrument :
BNA_F
ClientSampleId :
PB167254BL

Tgt Ion:136 Resp: 456229
Ion Ratio Lower Upper
136 100
137 10.8 8.8 13.2
54 6.4 5.8 8.8
68 5.0 4.1 6.1



#23
Nitrobenzene-d5
Concen: 104.421 ng
RT: 7.434 min Scan# 908
Delta R.T. -0.012 min
Lab File: BF142077.D
Acq: 25 Mar 2025 14:37

Tgt Ion: 82 Resp: 846542
Ion Ratio Lower Upper
82 100
128 46.5 36.0 54.0
54 47.6 39.6 59.4

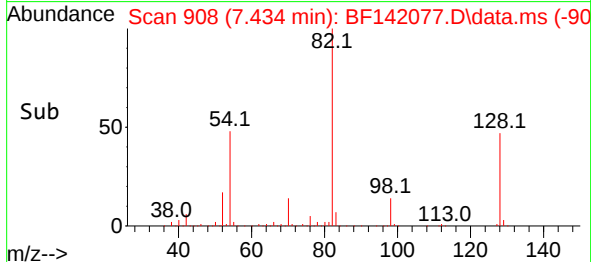
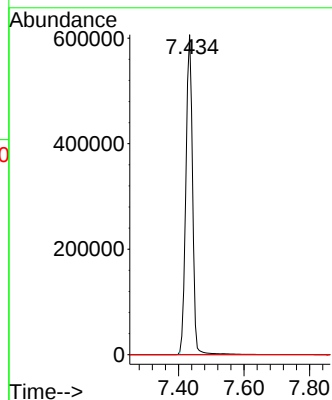
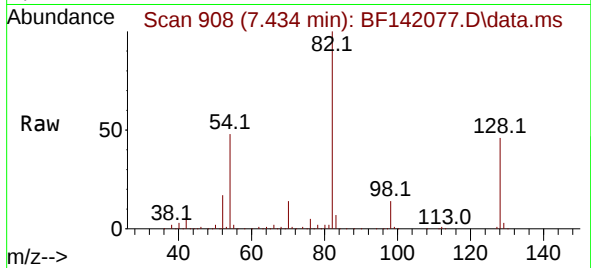




#25
Isophorone
Concen: 58.583 ng
RT: 7.434 min Scan# 90
Delta R.T. -0.270 min
Lab File: BF142077.D
Acq: 25 Mar 2025 14:37

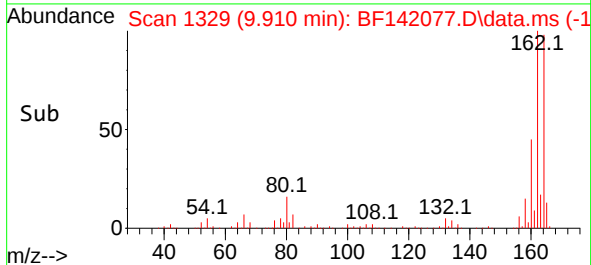
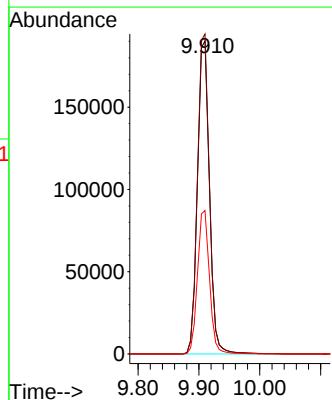
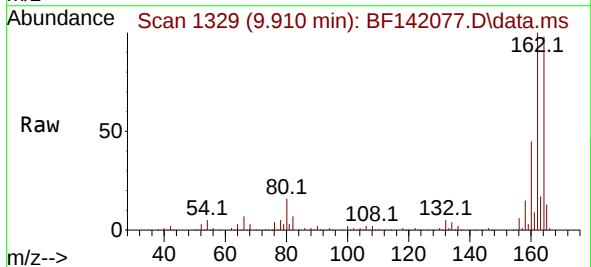
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ClientSampleId :
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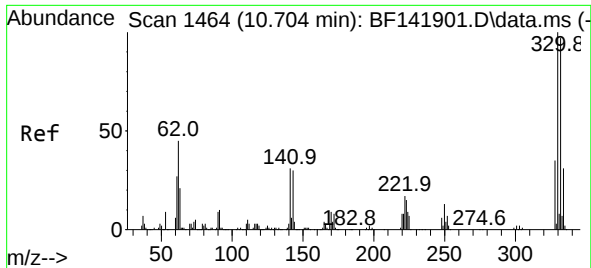
Tgt Ion: 82 Resp: 839520
Ion Ratio Lower Upper
82 100
95 0.0 6.4 9.6#
138 0.0 14.9 22.3#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.910 min Scan# 1329
Delta R.T. -0.006 min
Lab File: BF142077.D
Acq: 25 Mar 2025 14:37

Tgt Ion:164 Resp: 260856
Ion Ratio Lower Upper
164 100
162 102.3 81.8 122.6
160 45.8 36.7 55.1

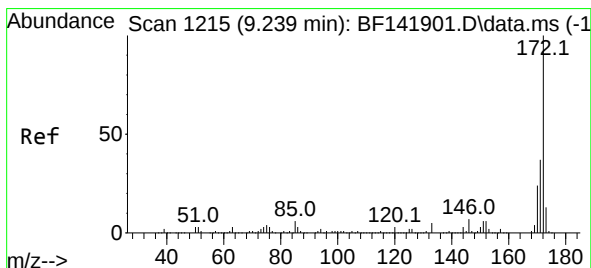
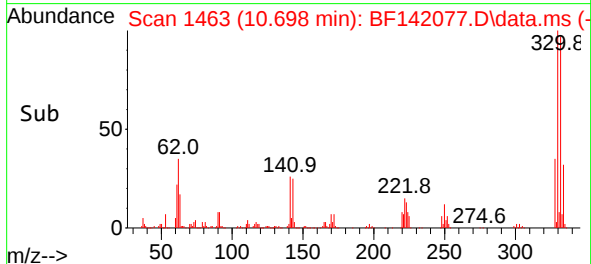
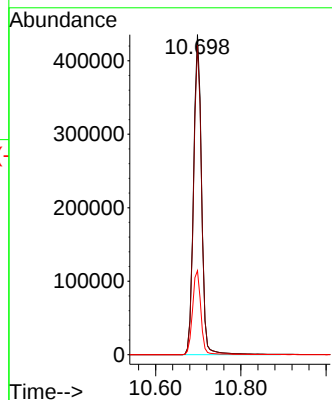
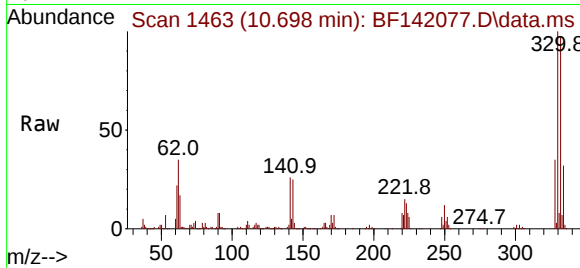




#42
 2,4,6-Tribromophenol
 Concen: 171.668 ng
 RT: 10.698 min Scan# 1463
 Delta R.T. -0.006 min
 Lab File: BF142077.D
 Acq: 25 Mar 2025 14:37

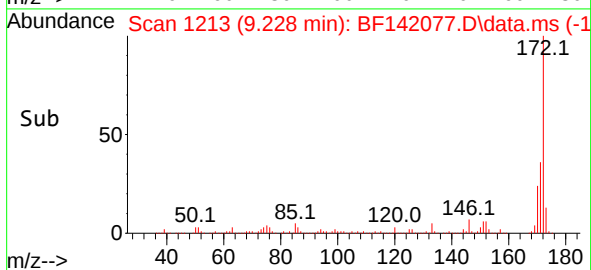
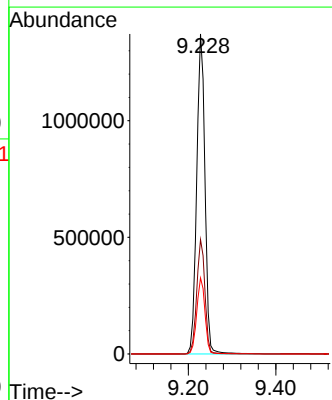
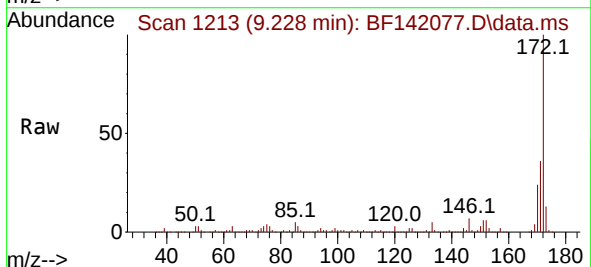
Instrument :
 BNA_F
 ClientSampleId :
 PB167254BL

Tgt Ion:330 Resp: 568102
 Ion Ratio Lower Upper
 330 100
 332 97.1 77.6 116.4
 141 27.6 24.7 37.1



#45
 2-Fluorobiphenyl
 Concen: 105.824 ng
 RT: 9.228 min Scan# 1213
 Delta R.T. -0.012 min
 Lab File: BF142077.D
 Acq: 25 Mar 2025 14:37

Tgt Ion:172 Resp: 1815144
 Ion Ratio Lower Upper
 172 100
 171 35.8 29.3 43.9
 170 23.8 19.4 29.0





#51

2,6-Dinitrotoluene

Concen: 8.902 ng

RT: 9.910 min Scan# 1

Delta R.T. 0.212 min

Lab File: BF142077.D

Acq: 25 Mar 2025 14:37

Instrument :

BNA_F

ClientSampleId :

PB167254BL

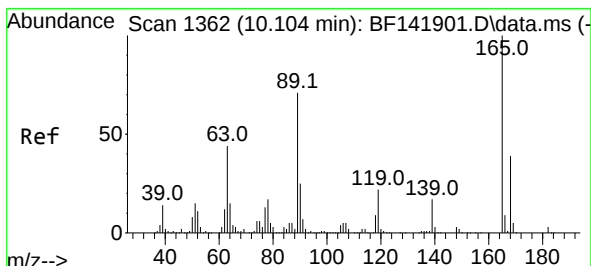
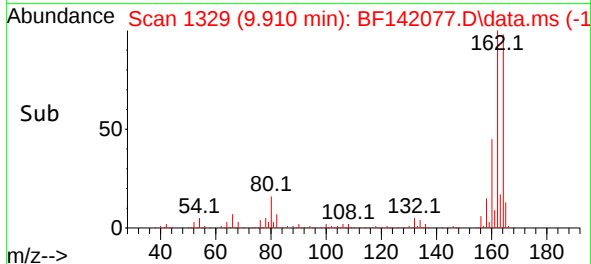
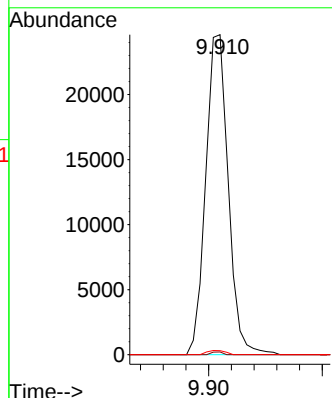
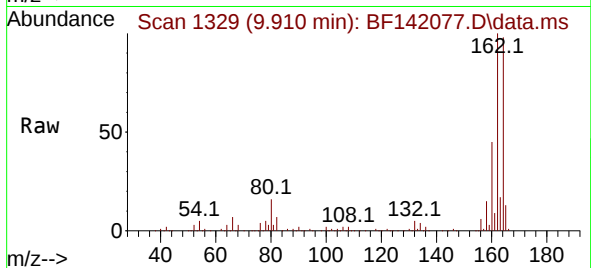
Tgt Ion:165 Resp: 33858

Ion Ratio Lower Upper

165 100

63 0.8 47.0 70.4#

89 1.2 47.4 71.2#



#57

2,4-Dinitrotoluene

Concen: 6.816 ng

RT: 9.910 min Scan# 1329

Delta R.T. -0.194 min

Lab File: BF142077.D

Acq: 25 Mar 2025 14:37

Tgt Ion:165 Resp: 33859

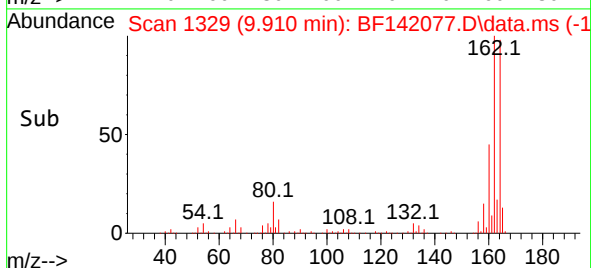
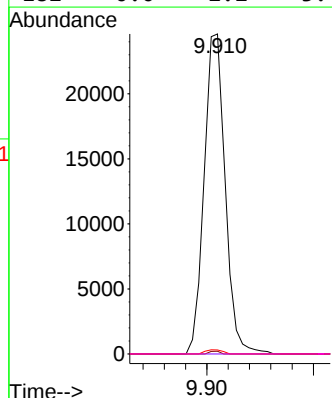
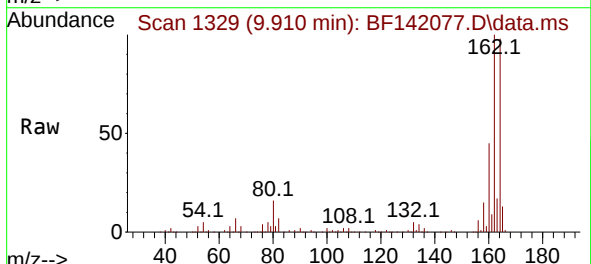
Ion Ratio Lower Upper

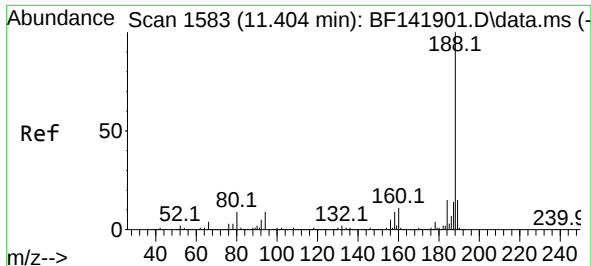
165 100

63 0.8 35.4 53.2#

89 1.2 56.6 84.8#

182 0.0 2.2 3.4#

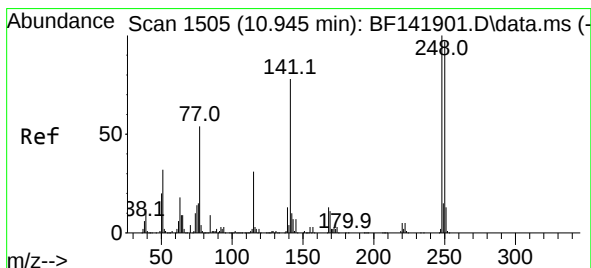
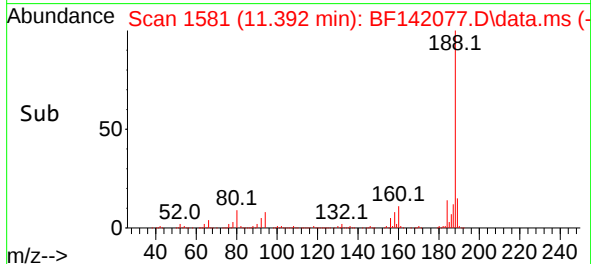
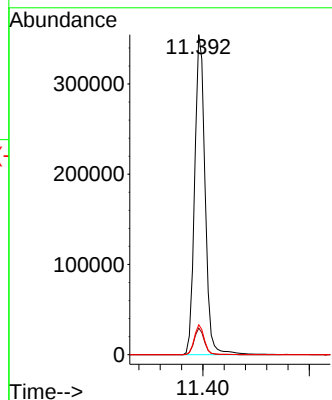
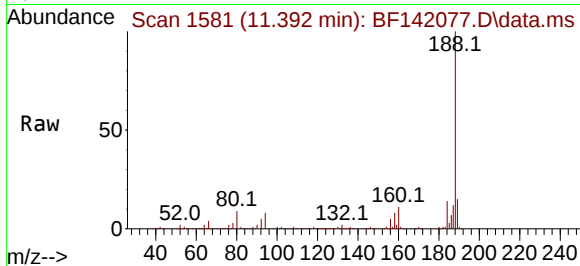




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.392 min Scan# 11
Delta R.T. -0.012 min
Lab File: BF142077.D
Acq: 25 Mar 2025 14:37

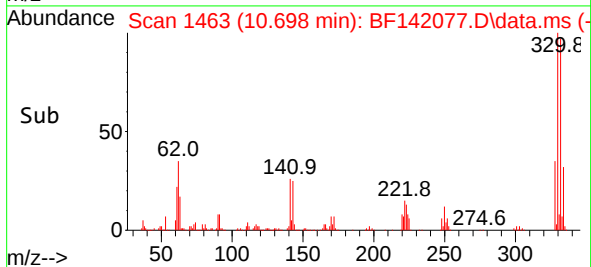
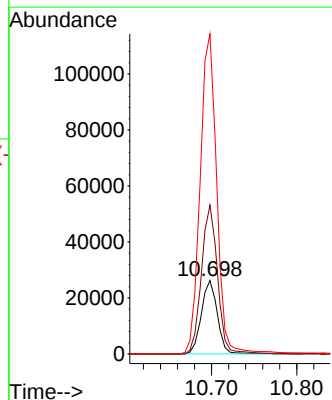
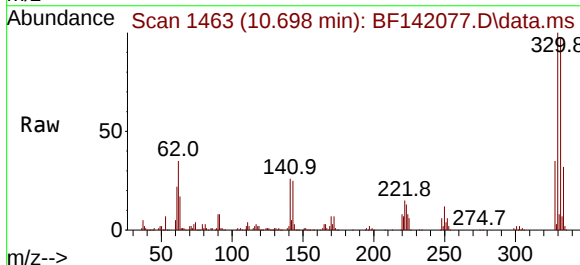
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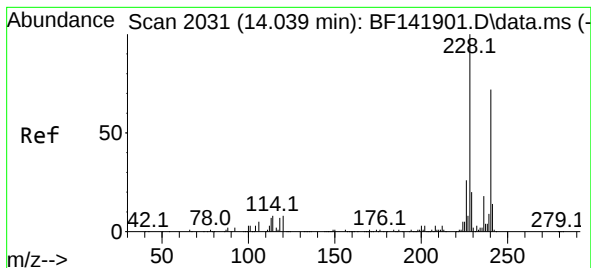
Tgt Ion:188 Resp: 480962
Ion Ratio Lower Upper
188 100
94 8.3 6.8 10.2
80 9.3 7.6 11.4



#67
4-Bromophenyl-phenylether
Concen: 5.670 ng
RT: 10.698 min Scan# 1463
Delta R.T. -0.247 min
Lab File: BF142077.D
Acq: 25 Mar 2025 14:37

Tgt Ion:248 Resp: 34251
Ion Ratio Lower Upper
248 100
250 202.5 77.8 116.8#
141 435.5 62.6 93.8#





#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.033 min Scan# 2031

Delta R.T. -0.006 min

Lab File: BF142077.D

Acq: 25 Mar 2025 14:37

Instrument :

BNA_F

ClientSampleId :

PB167254BL

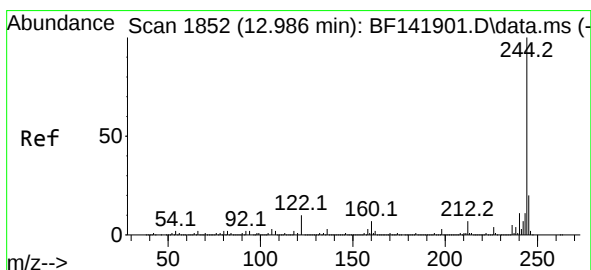
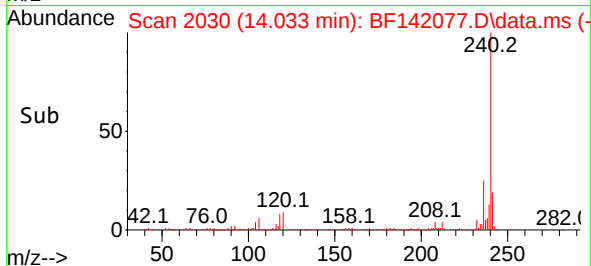
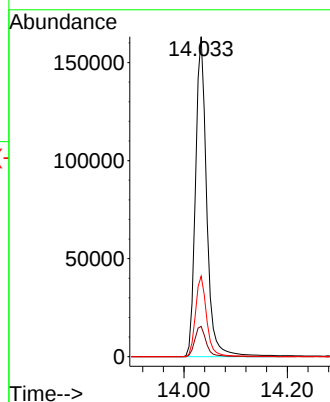
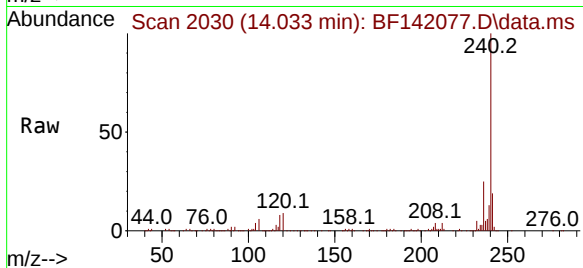
Tgt Ion:240 Resp: 245623

Ion Ratio Lower Upper

240 100

120 9.4 8.4 12.6

236 25.2 20.5 30.7



#79

Terphenyl-d14

Concen: 150.231 ng

RT: 12.980 min Scan# 1851

Delta R.T. -0.006 min

Lab File: BF142077.D

Acq: 25 Mar 2025 14:37

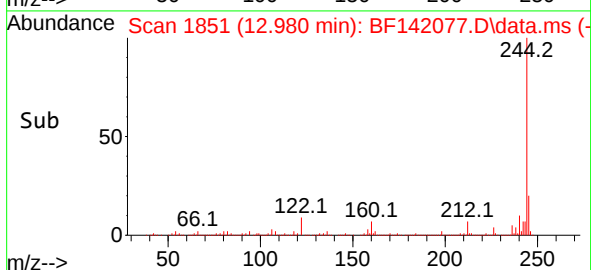
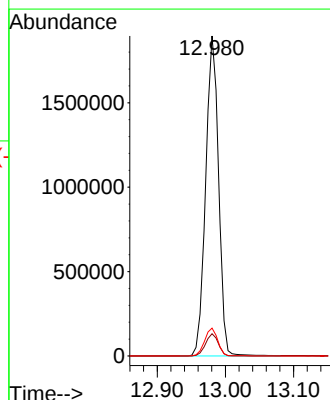
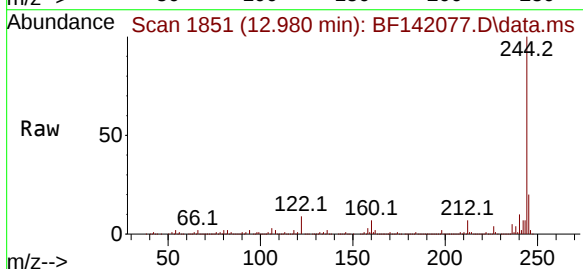
Tgt Ion:244 Resp: 2495861

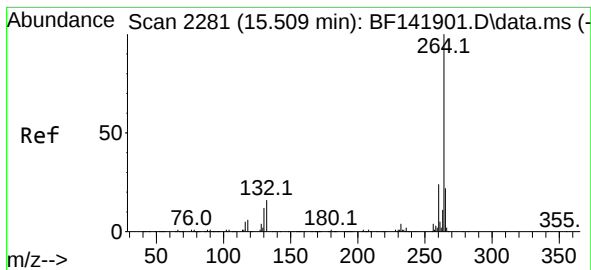
Ion Ratio Lower Upper

244 100

212 6.9 6.0 9.0

122 8.7 7.7 11.5





#86

Perylene-d12

Concen: 20.000 ng

RT: 15.510 min Scan# 21

Delta R.T. 0.000 min

Lab File: BF142077.D

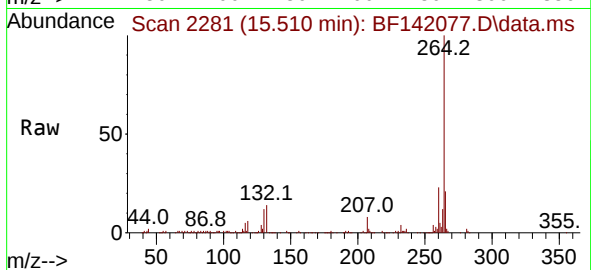
Acq: 25 Mar 2025 14:37

Instrument :

BNA_F

ClientSampleId :

PB167254BL



Tgt Ion:264 Resp: 169754

Ion Ratio Lower Upper

264 100

260 23.2 19.1 28.7

265 20.8 17.5 26.3

