

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF032625\
 Data File : BF142101.D
 Acq On : 26 Mar 2025 17:11
 Operator : RC/JU
 Sample : Q1636-12
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 WC-3

Quant Time: Mar 26 17:35:27 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)

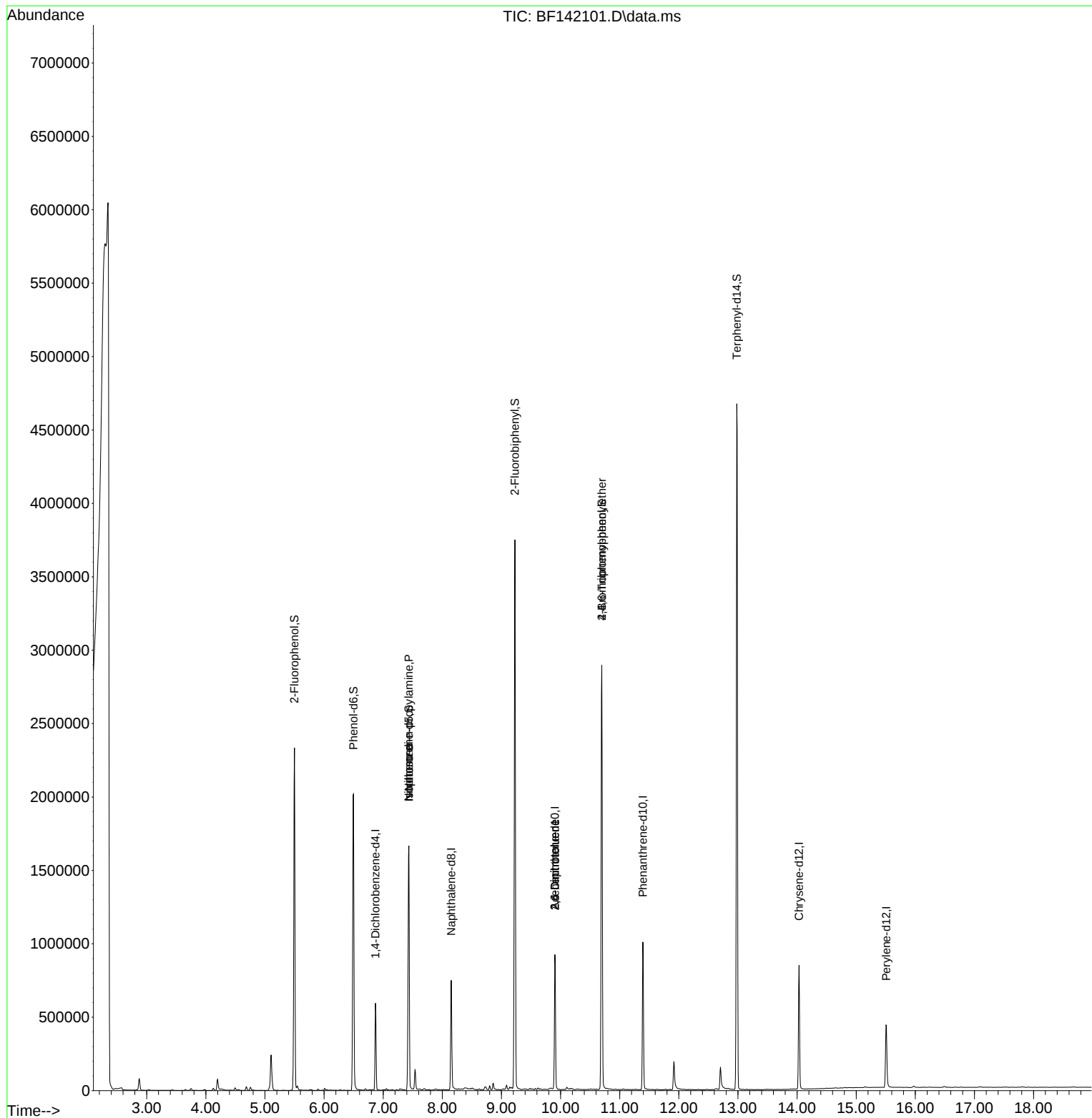
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.869	152	126424	20.000	ng	-0.01
21) Naphthalene-d8	8.151	136	489686	20.000	ng	-0.01
39) Acenaphthene-d10	9.904	164	283692	20.000	ng	-0.01
64) Phenanthrene-d10	11.392	188	533704	20.000	ng	-0.01
76) Chrysene-d12	14.033	240	422927	20.000	ng	0.00
86) Perylene-d12	15.509	264	280442	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.498	112	927122	122.392	ng	0.00
7) Phenol-d6	6.498	99	1051030	108.975	ng	0.00
23) Nitrobenzene-d5	7.433	82	797669	91.670	ng	-0.01
42) 2,4,6-Tribromophenol	10.698	330	577774	160.537	ng	0.00
45) 2-Fluorobiphenyl	9.227	172	1674591	89.771	ng	-0.01
79) Terphenyl-d14	12.980	244	2390484	83.566	ng	0.00
Target Compounds						
						Qvalue
19) n-Nitroso-di-n-propyla...	7.433	70	110888	17.893	ng	# 77
25) Isophorone	7.433	82	784506	51.004	ng	# 64
51) 2,6-Dinitrotoluene	9.904	165	36638	8.858	ng	# 23
57) 2,4-Dinitrotoluene	9.904	165	36638	6.782	ng	# 24
67) 4-Bromophenyl-phenylether	10.698	248	34646	5.169	ng	# 1

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

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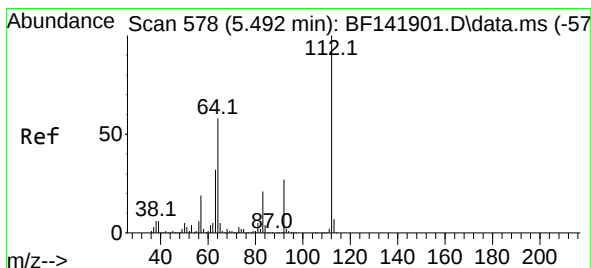
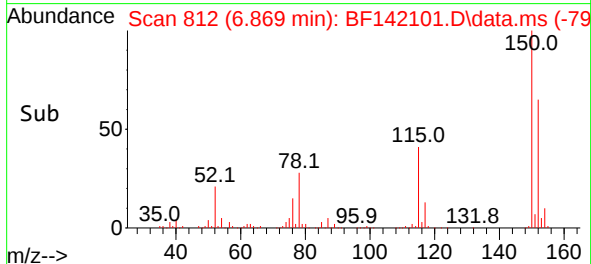
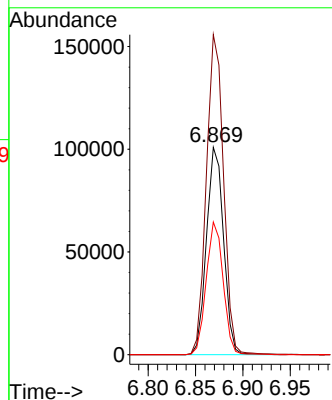
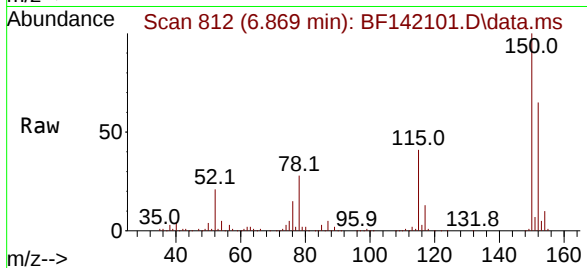




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.869 min Scan# 814
Delta R.T. -0.012 min
Lab File: BF142101.D
Acq: 26 Mar 2025 17:11

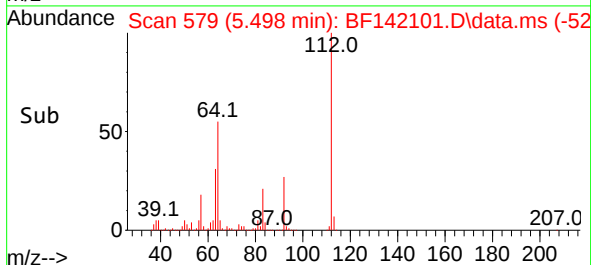
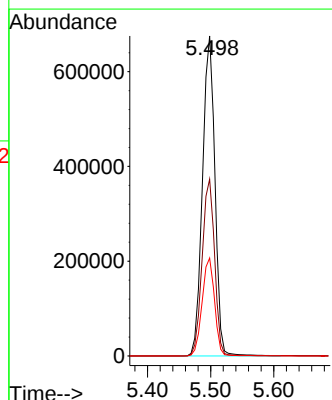
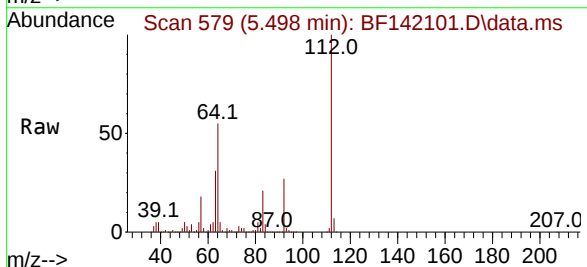
Instrument :
BNA_F
ClientSampleId :
WC-3

Tgt Ion:152 Resp: 126424
Ion Ratio Lower Upper
152 100
150 154.3 127.4 191.2
115 63.9 51.9 77.9



#5
2-Fluorophenol
Concen: 122.392 ng
RT: 5.498 min Scan# 579
Delta R.T. 0.006 min
Lab File: BF142101.D
Acq: 26 Mar 2025 17:11

Tgt Ion:112 Resp: 927122
Ion Ratio Lower Upper
112 100
64 55.2 46.5 69.7
63 30.6 25.4 38.2



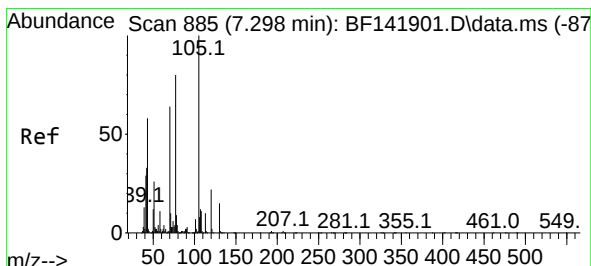
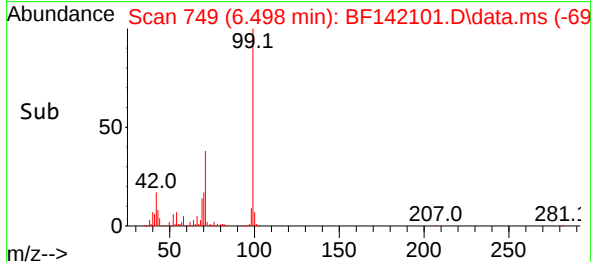
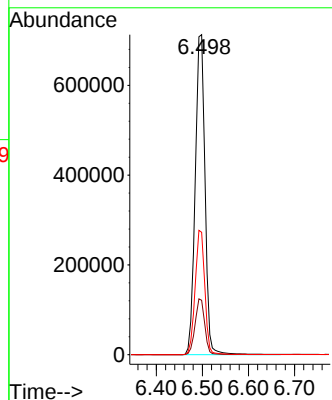
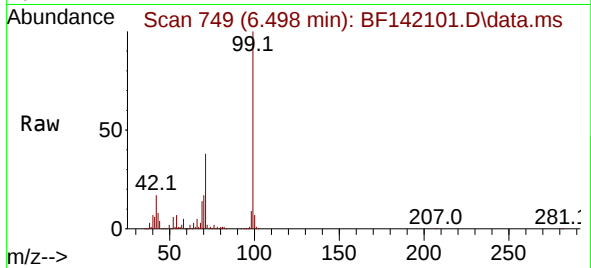


#7
Phenol-d6
Concen: 108.975 ng
RT: 6.498 min Scan# 74
Delta R.T. -0.006 min
Lab File: BF142101.D
Acq: 26 Mar 2025 17:11

Instrument :
BNA_F
ClientSampleId :
WC-3

Tgt Ion: 99 Resp: 1051030

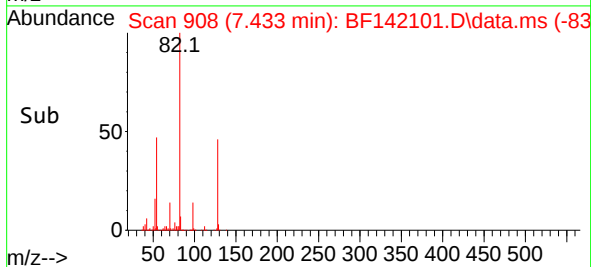
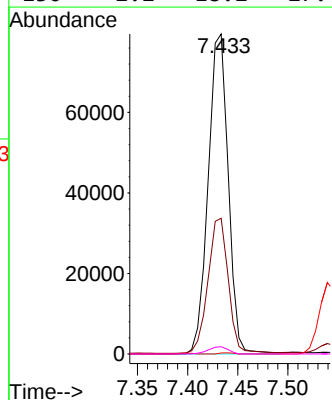
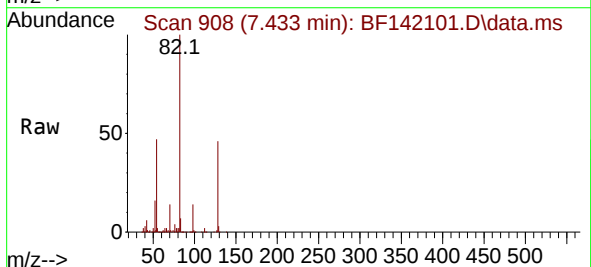
Ion	Ratio	Lower	Upper
99	100		
42	17.0	14.6	21.8
71	38.3	30.8	46.2

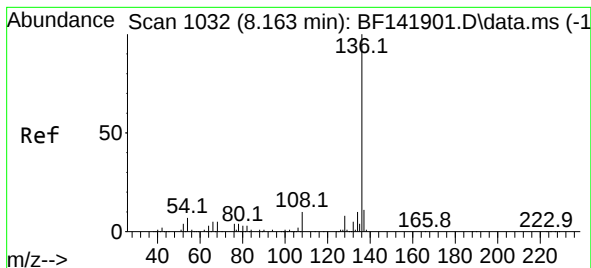


#19
n-Nitroso-di-n-propylamine
Concen: 17.893 ng
RT: 7.433 min Scan# 908
Delta R.T. 0.135 min
Lab File: BF142101.D
Acq: 26 Mar 2025 17:11

Tgt Ion: 70 Resp: 110888

Ion	Ratio	Lower	Upper
70	100		
42	42.4	41.4	62.0
101	0.3	8.2	12.2#
130	2.2	18.2	27.4#





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.151 min Scan# 1

Delta R.T. -0.012 min

Lab File: BF142101.D

Acq: 26 Mar 2025 17:11

Instrument :

BNA_F

ClientSampleId :

WC-3

Tgt Ion:136 Resp: 489686

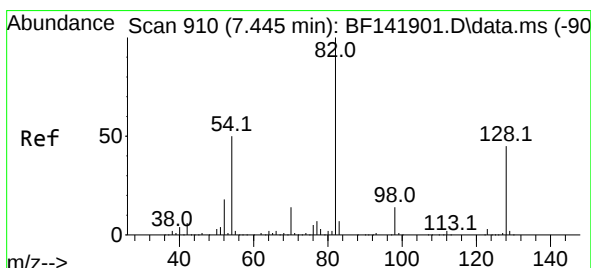
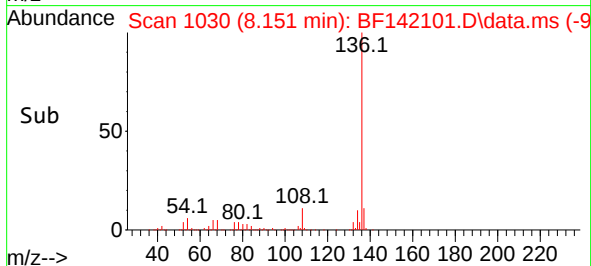
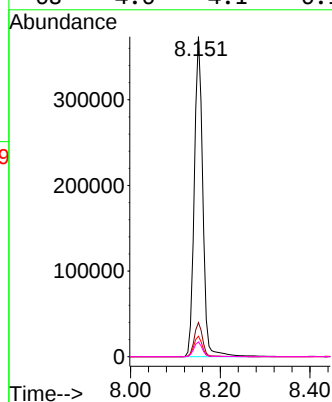
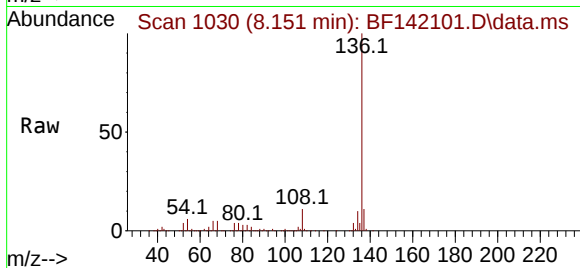
Ion Ratio Lower Upper

136 100

137 10.7 8.8 13.2

54 6.4 5.8 8.8

68 4.6 4.1 6.1



#23

Nitrobenzene-d5

Concen: 91.670 ng

RT: 7.433 min Scan# 908

Delta R.T. -0.012 min

Lab File: BF142101.D

Acq: 26 Mar 2025 17:11

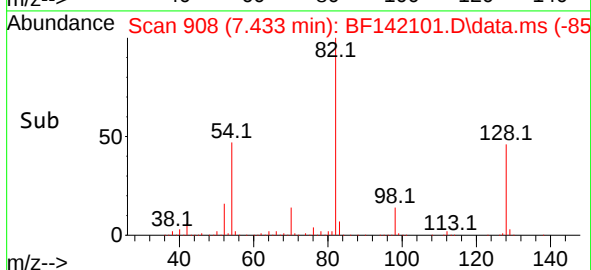
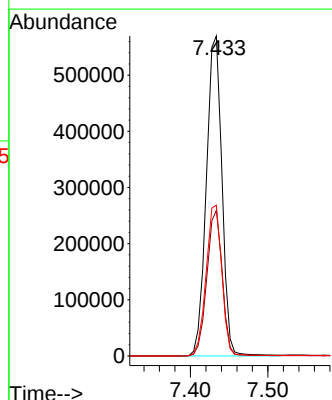
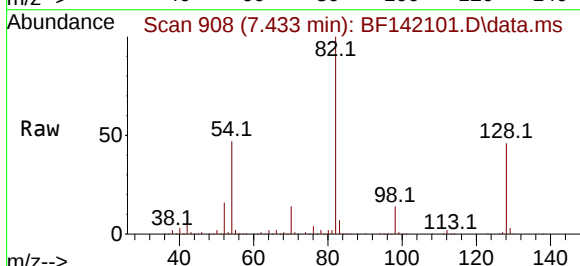
Tgt Ion: 82 Resp: 797669

Ion Ratio Lower Upper

82 100

128 45.5 36.0 54.0

54 47.1 39.6 59.4

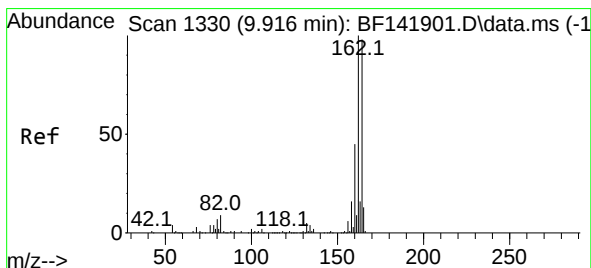
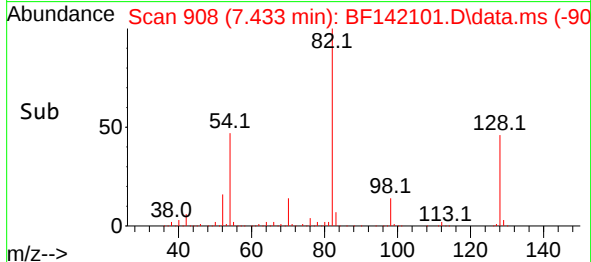
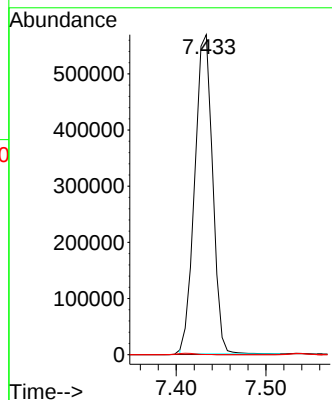
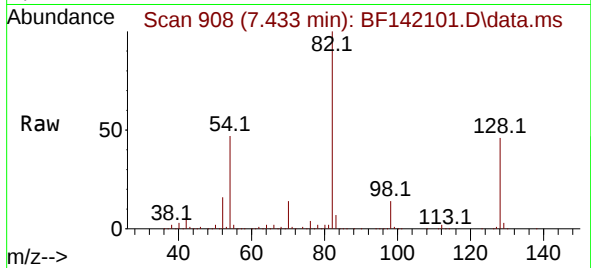




#25
Isophorone
Concen: 51.004 ng
RT: 7.433 min Scan# 90
Delta R.T. -0.271 min
Lab File: BF142101.D
Acq: 26 Mar 2025 17:11

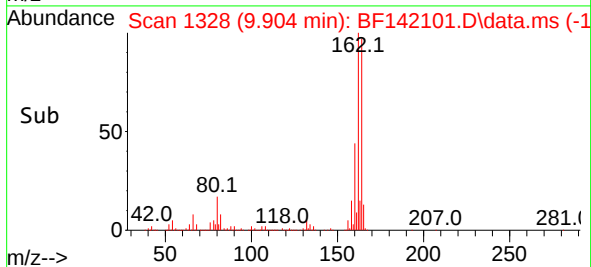
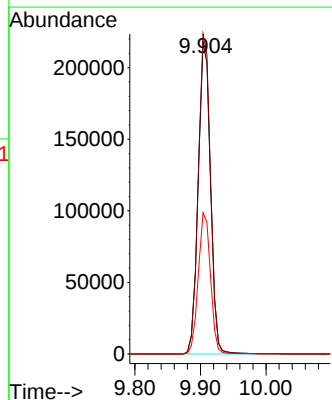
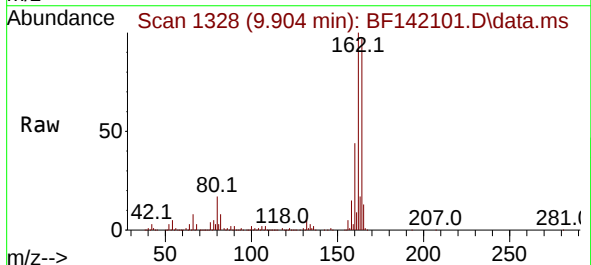
Instrument :
BNA_F
ClientSampleId :
WC-3

Tgt Ion: 82 Resp: 784506
Ion Ratio Lower Upper
82 100
95 0.0 6.4 9.6#
138 0.1 14.9 22.3#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.904 min Scan# 1328
Delta R.T. -0.012 min
Lab File: BF142101.D
Acq: 26 Mar 2025 17:11

Tgt Ion: 164 Resp: 283692
Ion Ratio Lower Upper
164 100
162 102.6 81.8 122.6
160 45.3 36.7 55.1





#42

2,4,6-Tribromophenol

Concen: 160.537 ng

RT: 10.698 min Scan# 1463

Delta R.T. -0.006 min

Lab File: BF142101.D

Acq: 26 Mar 2025 17:11

Instrument :

BNA_F

ClientSampleId :

WC-3

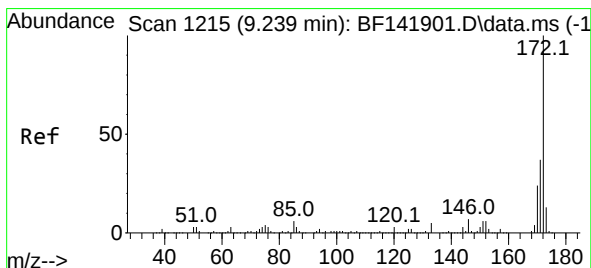
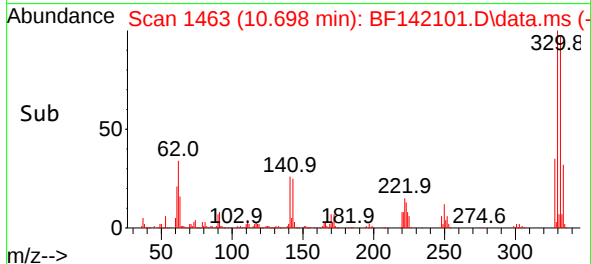
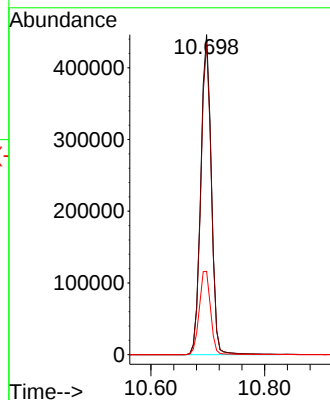
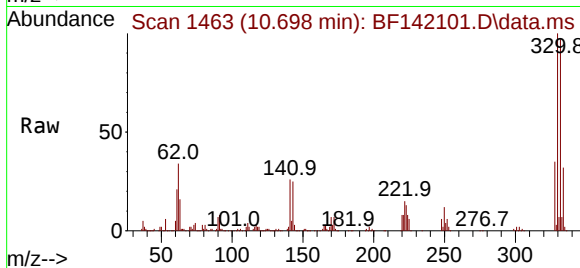
Tgt Ion:330 Resp: 577774

Ion Ratio Lower Upper

330 100

332 97.6 77.6 116.4

141 27.9 24.7 37.1



#45

2-Fluorobiphenyl

Concen: 89.771 ng

RT: 9.227 min Scan# 1213

Delta R.T. -0.012 min

Lab File: BF142101.D

Acq: 26 Mar 2025 17:11

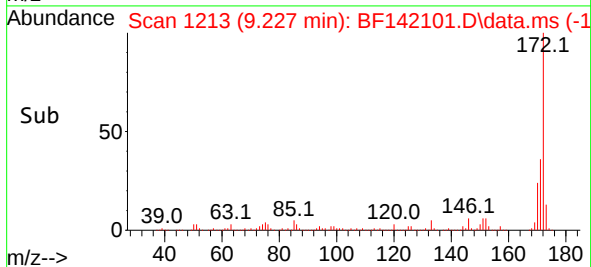
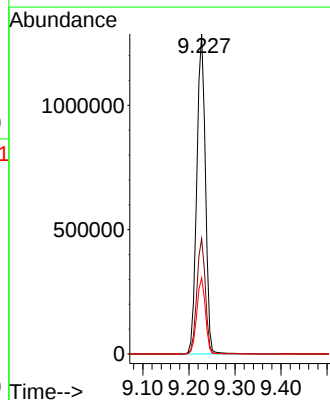
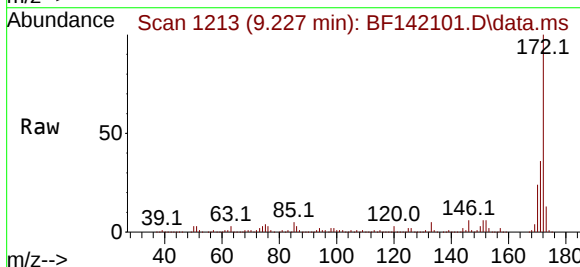
Tgt Ion:172 Resp: 1674591

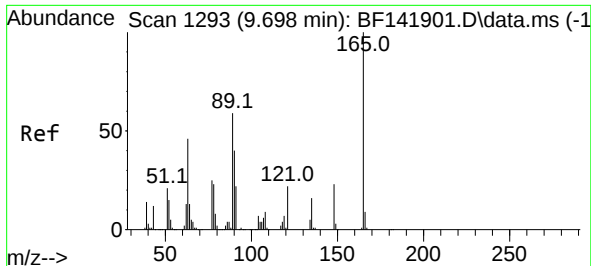
Ion Ratio Lower Upper

172 100

171 36.0 29.3 43.9

170 23.7 19.4 29.0

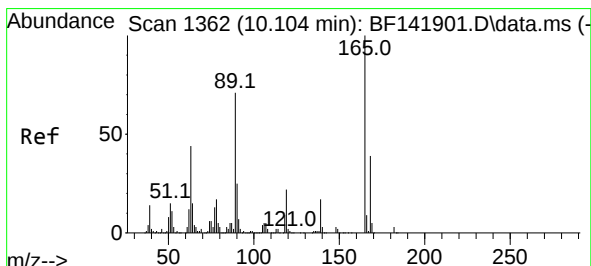
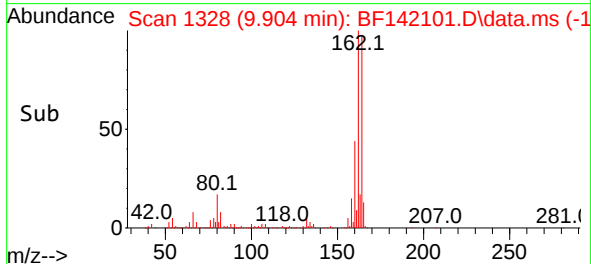
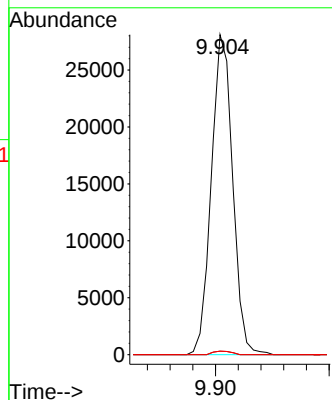
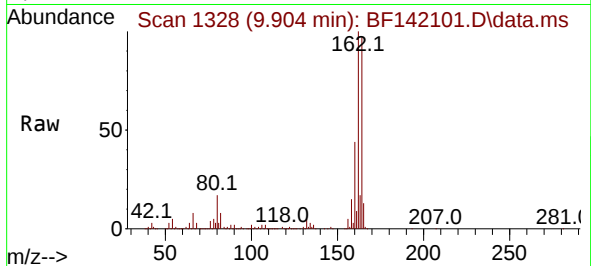




#51
2,6-Dinitrotoluene
Concen: 8.858 ng
RT: 9.904 min Scan# 1328
Delta R.T. 0.206 min
Lab File: BF142101.D
Acq: 26 Mar 2025 17:11

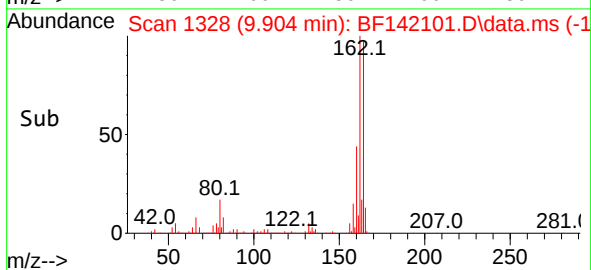
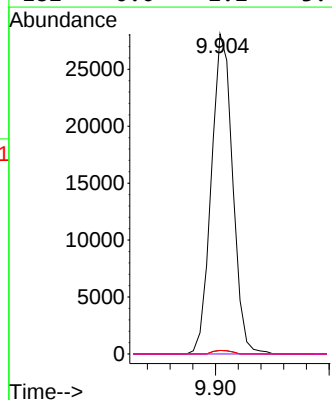
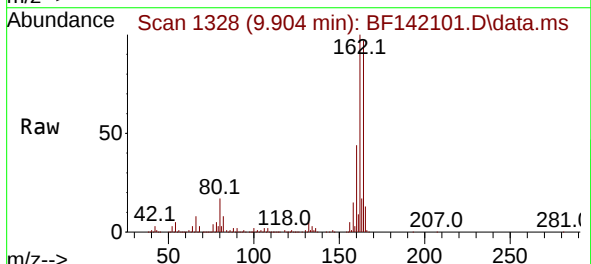
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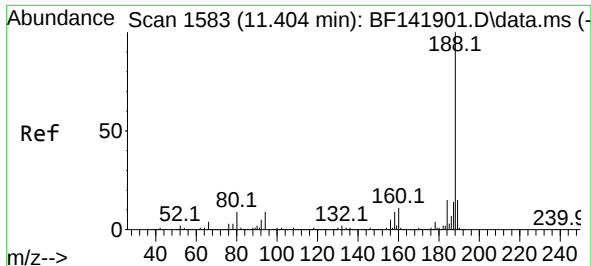
Tgt Ion:165 Resp: 36638
Ion Ratio Lower Upper
165 100
63 1.1 47.0 70.4#
89 1.1 47.4 71.2#



#57
2,4-Dinitrotoluene
Concen: 6.782 ng
RT: 9.904 min Scan# 1328
Delta R.T. -0.200 min
Lab File: BF142101.D
Acq: 26 Mar 2025 17:11

Tgt Ion:165 Resp: 36638
Ion Ratio Lower Upper
165 100
63 1.1 35.4 53.2#
89 1.1 56.6 84.8#
182 0.0 2.2 3.4#

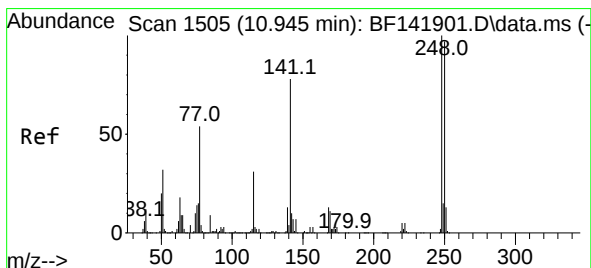
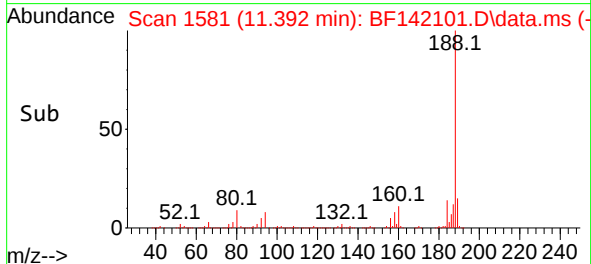
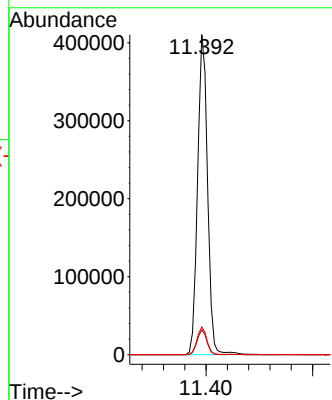
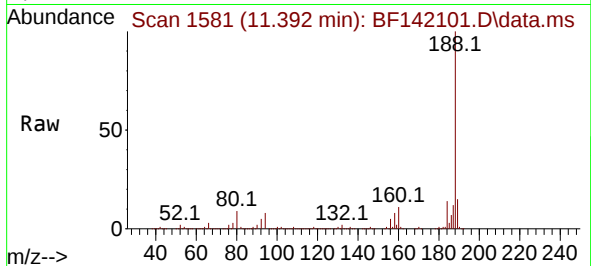




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.392 min Scan# 1
Delta R.T. -0.012 min
Lab File: BF142101.D
Acq: 26 Mar 2025 17:11

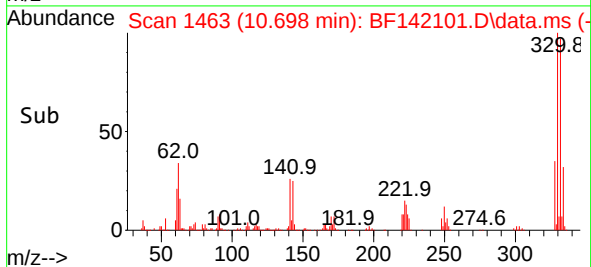
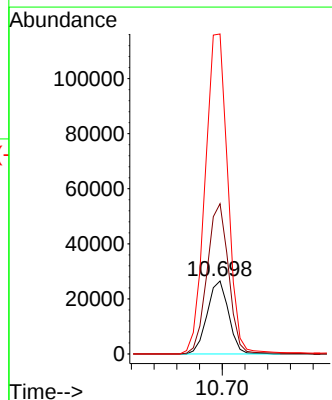
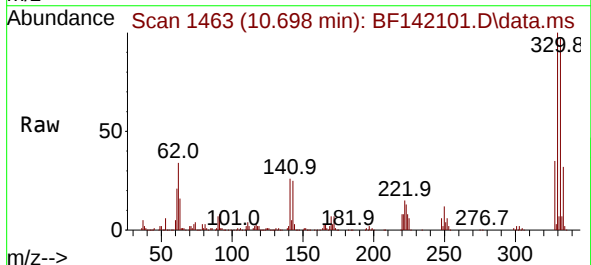
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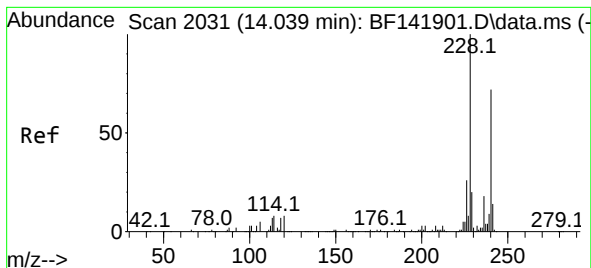
Tgt Ion:188 Resp: 533704
Ion Ratio Lower Upper
188 100
94 7.8 6.8 10.2
80 8.7 7.6 11.4



#67
4-Bromophenyl-phenylether
Concen: 5.169 ng
RT: 10.698 min Scan# 1463
Delta R.T. -0.247 min
Lab File: BF142101.D
Acq: 26 Mar 2025 17:11

Tgt Ion:248 Resp: 34646
Ion Ratio Lower Upper
248 100
250 206.0 77.8 116.8#
141 438.7 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: BF142101.D

Acq: 26 Mar 2025 17:11

Instrument :

BNA_F

ClientSampleId :

WC-3

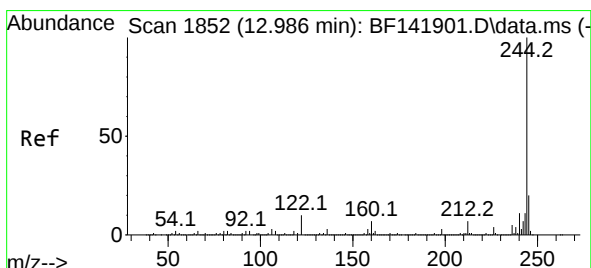
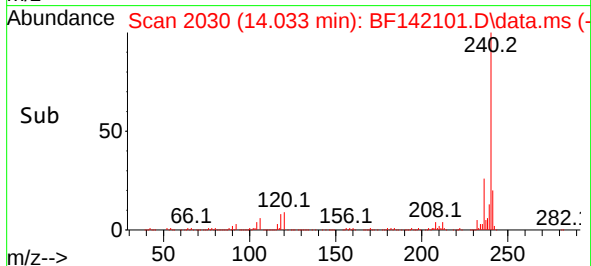
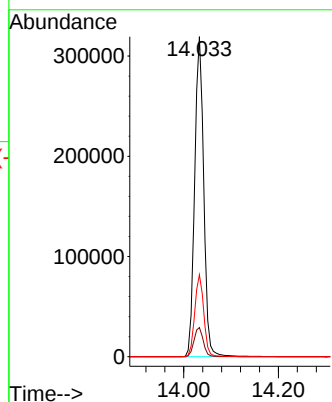
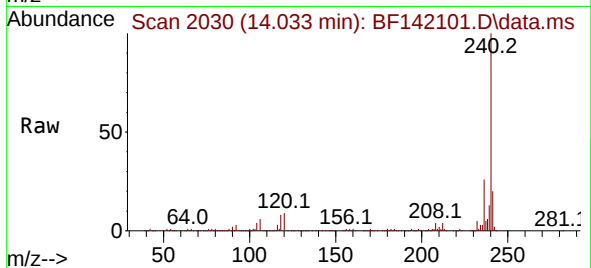
Tgt Ion:240 Resp: 422927

Ion Ratio Lower Upper

240 100

120 9.1 8.4 12.6

236 25.6 20.5 30.7



#79

Terphenyl-d14

Concen: 83.566 ng

RT: 12.980 min Scan# 1851

Delta R.T. -0.006 min

Lab File: BF142101.D

Acq: 26 Mar 2025 17:11

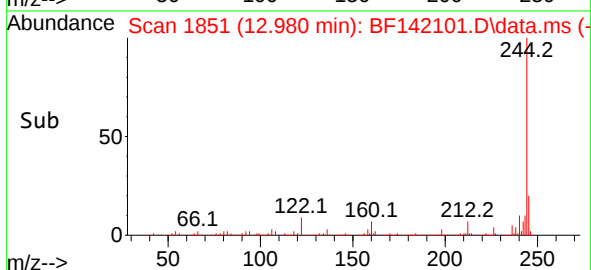
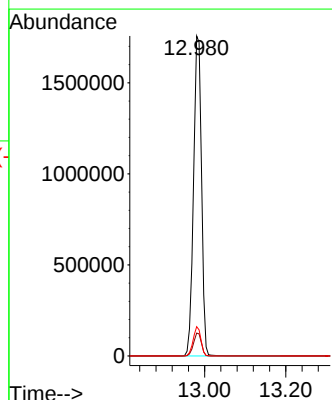
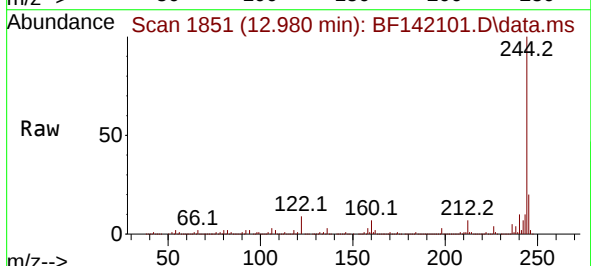
Tgt Ion:244 Resp: 2390484

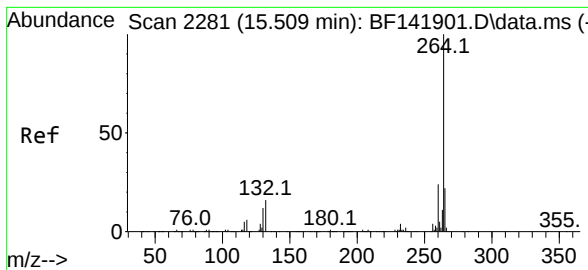
Ion Ratio Lower Upper

244 100

212 7.2 6.0 9.0

122 9.2 7.7 11.5





#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.509 min Scan# 21
 Delta R.T. -0.000 min
 Lab File: BF142101.D
 Acq: 26 Mar 2025 17:11

Instrument :
 BNA_F
 ClientSampleId :
 WC-3

Tgt Ion:264 Resp: 280442

Ion	Ratio	Lower	Upper
264	100		
260	23.3	19.1	28.7
265	21.4	17.5	26.3

