

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF032825\
 Data File : BF142164.D
 Acq On : 28 Mar 2025 17:05
 Operator : RC/JU
 Sample : Q1662-08
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TP-7

Quant Time: Mar 28 17:36:59 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

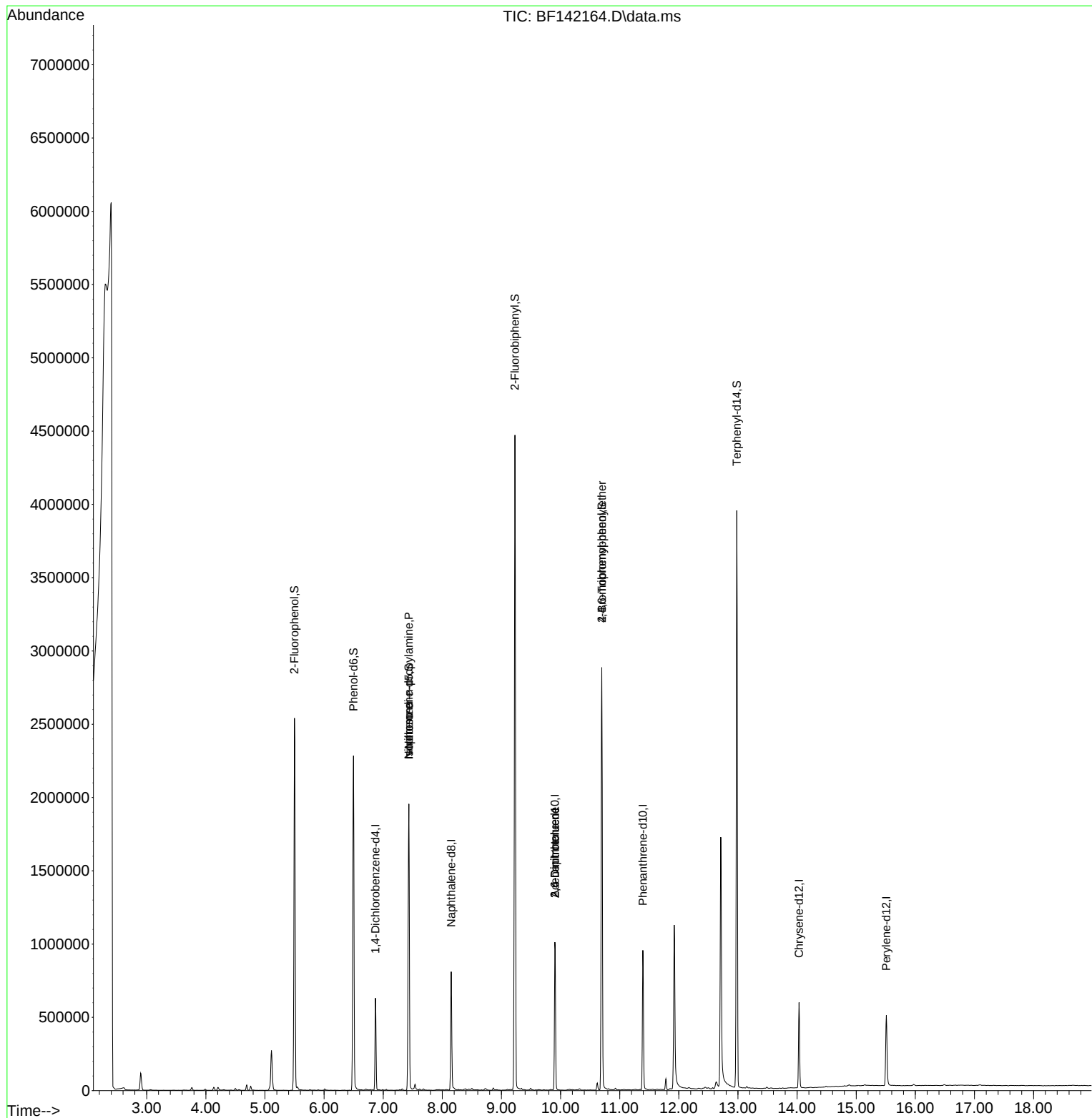
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.869	152	132521	20.000	ng	-0.01
21) Naphthalene-d8	8.151	136	540470	20.000	ng	-0.01
39) Acenaphthene-d10	9.904	164	313426	20.000	ng	-0.01
64) Phenanthrene-d10	11.392	188	505728	20.000	ng	-0.01
76) Chrysene-d12	14.033	240	294625	20.000	ng	0.00
86) Perylene-d12	15.509	264	303757	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.498	112	1045780	131.705	ng	0.00
7) Phenol-d6	6.498	99	1186544	117.366	ng	0.00
23) Nitrobenzene-d5	7.434	82	954527	99.389	ng	-0.01
42) 2,4,6-Tribromophenol	10.698	330	584208	146.925	ng	0.00
45) 2-Fluorobiphenyl	9.227	172	2047413	99.345	ng	-0.01
79) Terphenyl-d14	12.980	244	1954822	98.095	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propyla...	7.434	70	131863	20.299	ng	# 75
25) Isophorone	7.434	82	937034	55.196	ng	# 64
51) 2,6-Dinitrotoluene	9.904	165	40197	8.796	ng	# 23
57) 2,4-Dinitrotoluene	9.904	165	40197	6.735	ng	# 24
67) 4-Bromophenyl-phenylether	10.698	248	35330	5.563	ng	# 1

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

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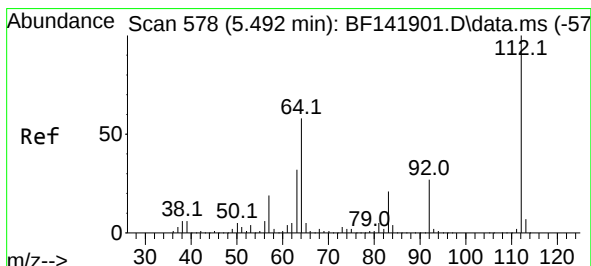
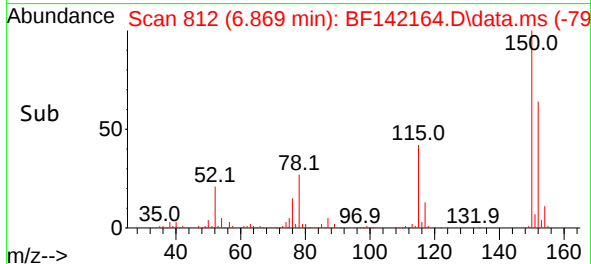
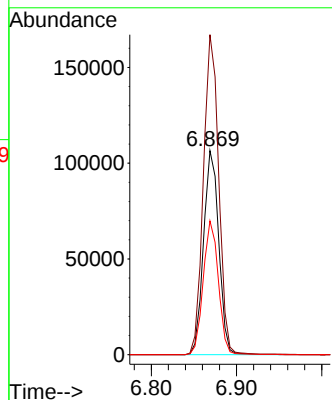
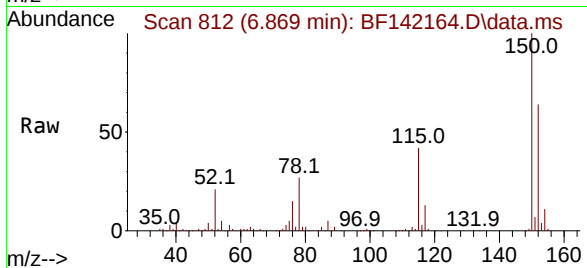




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.869 min Scan# 814
Delta R.T. -0.012 min
Lab File: BF142164.D
Acq: 28 Mar 2025 17:05

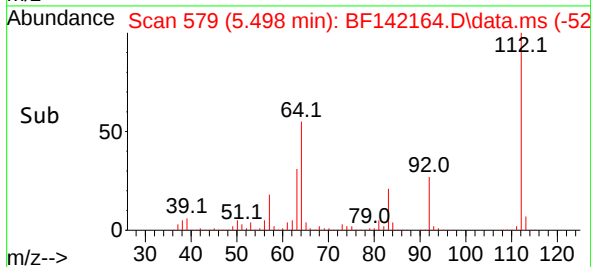
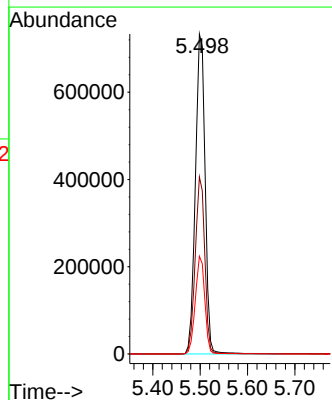
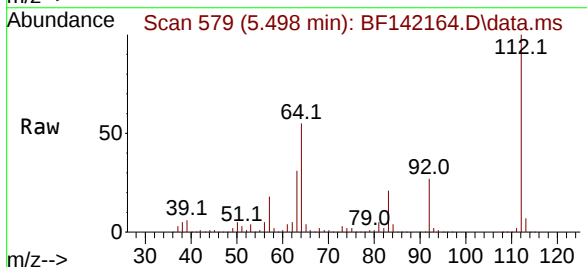
Instrument :
BNA_F
ClientSampleId :
TP-7

Tgt Ion:152 Resp: 132521
Ion Ratio Lower Upper
152 100
150 156.9 127.4 191.2
115 65.6 51.9 77.9



#5
2-Fluorophenol
Concen: 131.705 ng
RT: 5.498 min Scan# 579
Delta R.T. 0.006 min
Lab File: BF142164.D
Acq: 28 Mar 2025 17:05

Tgt Ion:112 Resp: 1045780
Ion Ratio Lower Upper
112 100
64 55.4 46.5 69.7
63 30.5 25.4 38.2



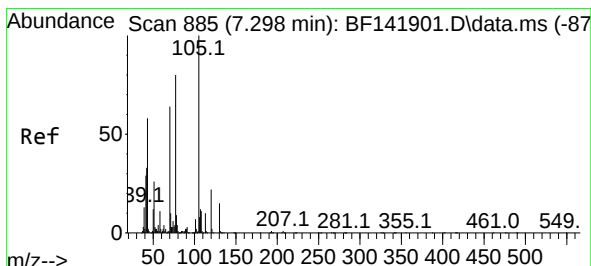
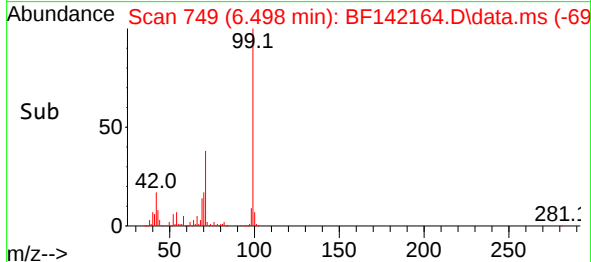
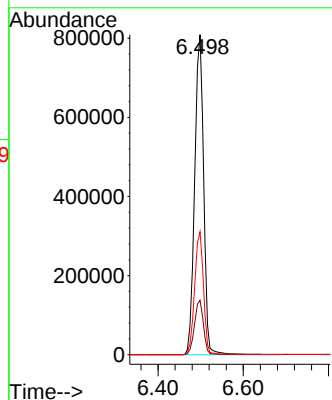
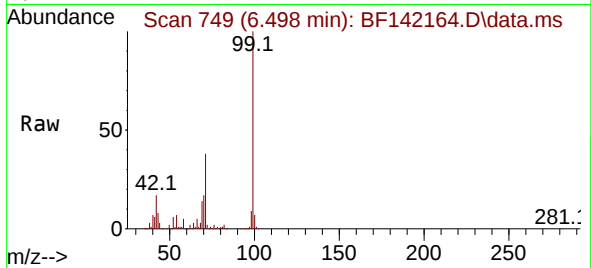


#7
Phenol-d6
Concen: 117.366 ng
RT: 6.498 min Scan# 74
Delta R.T. -0.006 min
Lab File: BF142164.D
Acq: 28 Mar 2025 17:05

Instrument :
BNA_F
ClientSampleId :
TP-7

Tgt Ion: 99 Resp: 1186544

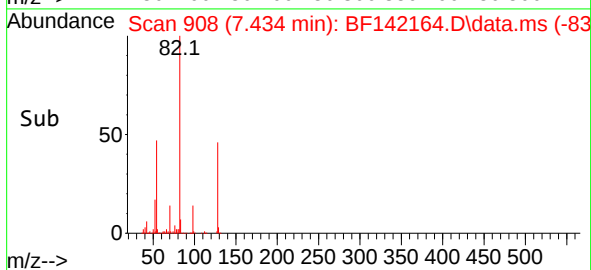
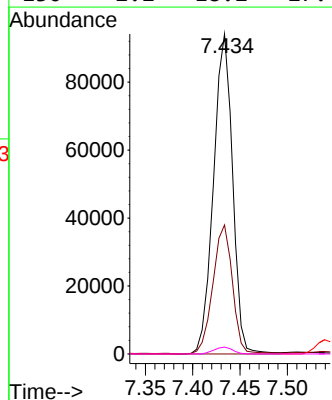
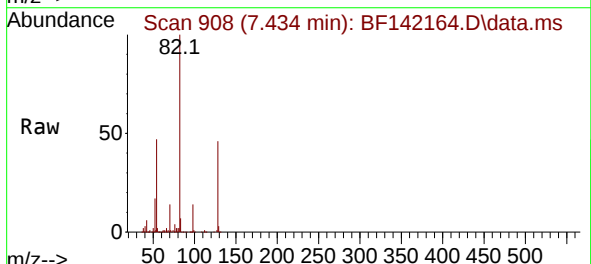
Ion	Ratio	Lower	Upper
99	100		
42	17.0	14.6	21.8
71	38.4	30.8	46.2

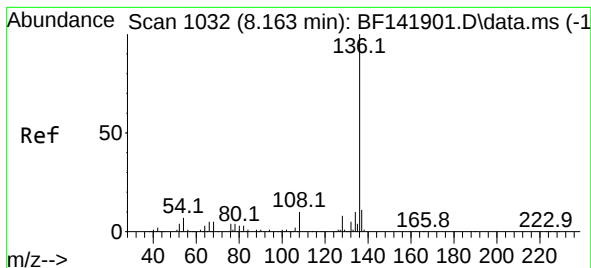


#19
n-Nitroso-di-n-propylamine
Concen: 20.299 ng
RT: 7.434 min Scan# 908
Delta R.T. 0.135 min
Lab File: BF142164.D
Acq: 28 Mar 2025 17:05

Tgt Ion: 70 Resp: 131863

Ion	Ratio	Lower	Upper
70	100		
42	40.3	41.4	62.0#
101	0.0	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: BF142164.D

Acq: 28 Mar 2025 17:05

Instrument :

BNA_F

ClientSampleId :

TP-7

Tgt Ion:136 Resp: 540470

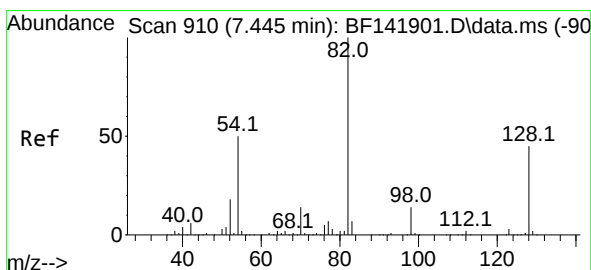
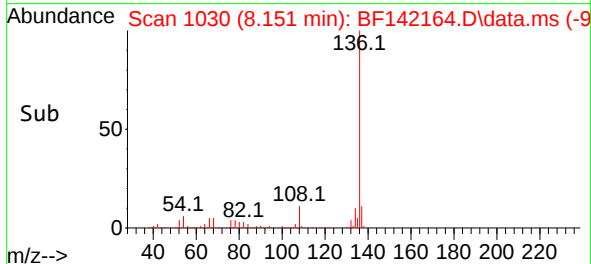
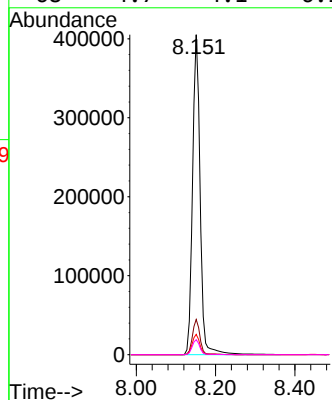
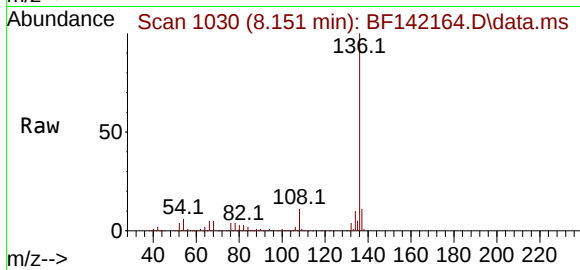
Ion Ratio Lower Upper

136 100

137 11.0 8.8 13.2

54 6.4 5.8 8.8

68 4.7 4.1 6.1



#23

Nitrobenzene-d5

Concen: 99.389 ng

RT: 7.434 min Scan# 908

Delta R.T. -0.012 min

Lab File: BF142164.D

Acq: 28 Mar 2025 17:05

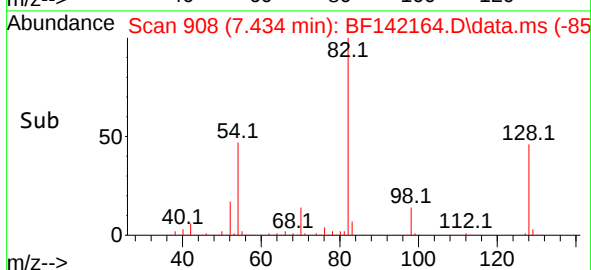
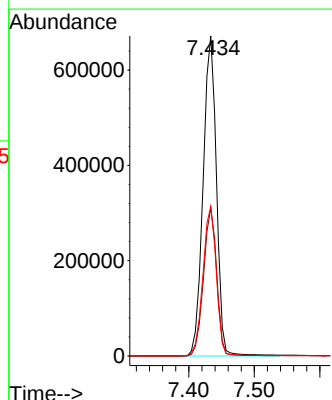
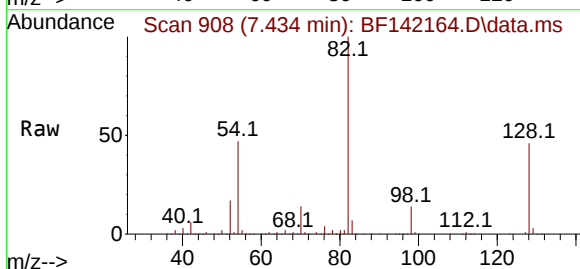
Tgt Ion: 82 Resp: 954527

Ion Ratio Lower Upper

82 100

128 46.3 36.0 54.0

54 46.8 39.6 59.4

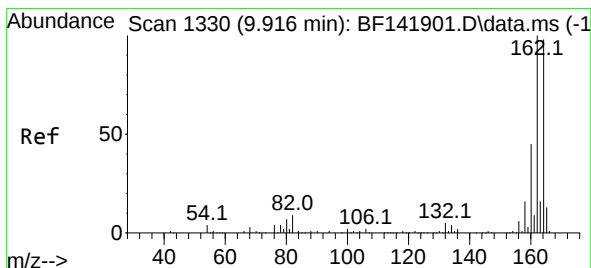
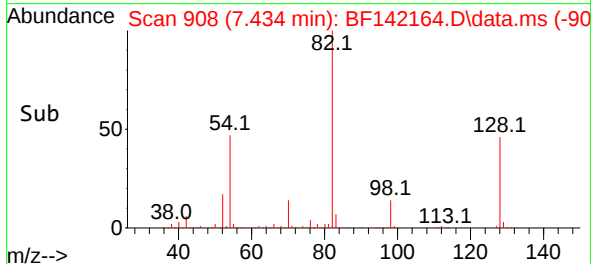
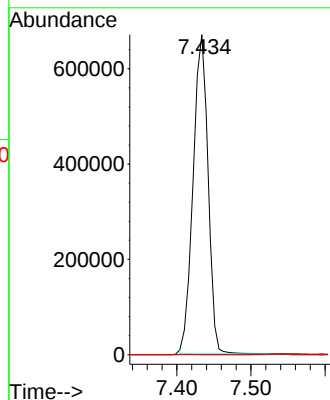
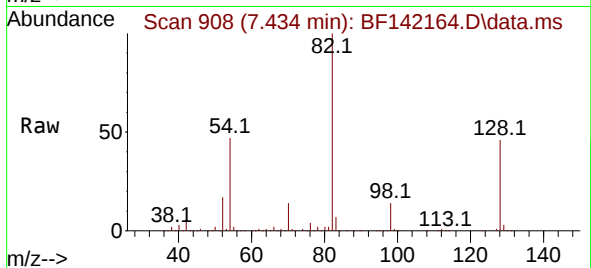




#25
Isophorone
Concen: 55.196 ng
RT: 7.434 min Scan# 90
Delta R.T. -0.271 min
Lab File: BF142164.D
Acq: 28 Mar 2025 17:05

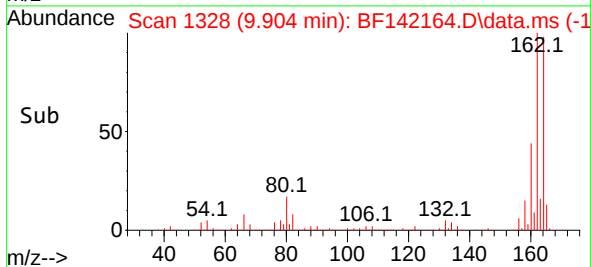
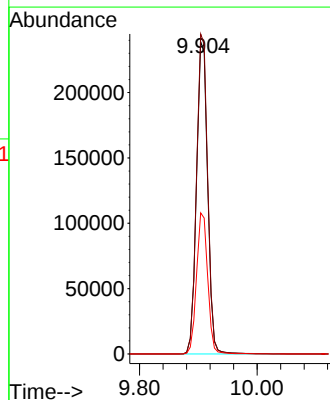
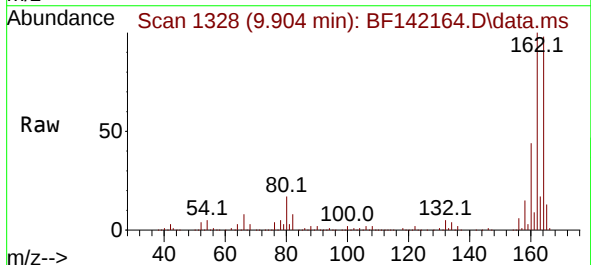
Instrument :
BNA_F
ClientSampleId :
TP-7

Tgt Ion: 82 Resp: 937034
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: 9.904 min Scan# 1328
Delta R.T. -0.012 min
Lab File: BF142164.D
Acq: 28 Mar 2025 17:05

Tgt Ion:164 Resp: 313426
Ion Ratio Lower Upper
164 100
162 102.5 81.8 122.6
160 45.2 36.7 55.1





#42

2,4,6-Tribromophenol

Concen: 146.925 ng

RT: 10.698 min Scan# 1463

Delta R.T. -0.006 min

Lab File: BF142164.D

Acq: 28 Mar 2025 17:05

Instrument :

BNA_F

ClientSampleId :

TP-7

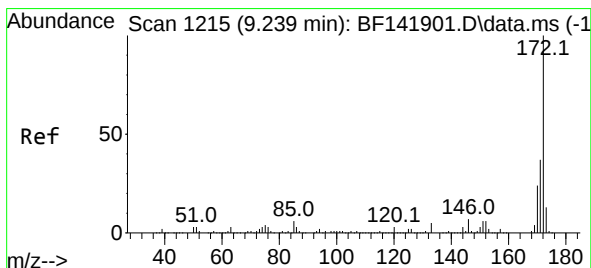
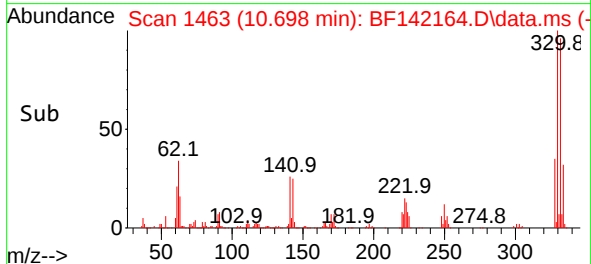
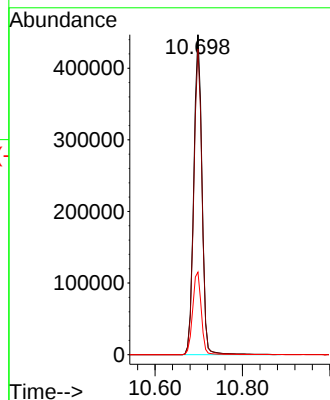
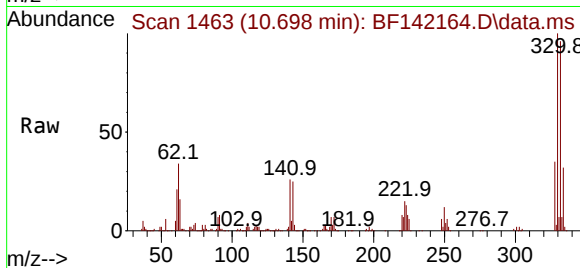
Tgt Ion:330 Resp: 584208

Ion Ratio Lower Upper

330 100

332 95.6 77.6 116.4

141 27.1 24.7 37.1



#45

2-Fluorobiphenyl

Concen: 99.345 ng

RT: 9.227 min Scan# 1213

Delta R.T. -0.012 min

Lab File: BF142164.D

Acq: 28 Mar 2025 17:05

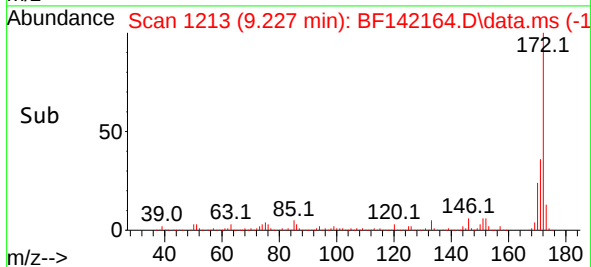
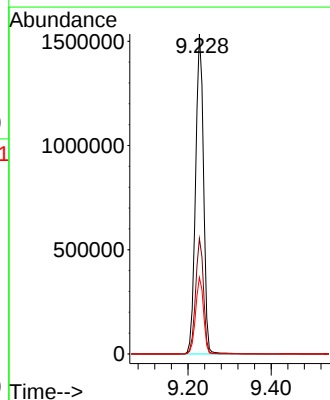
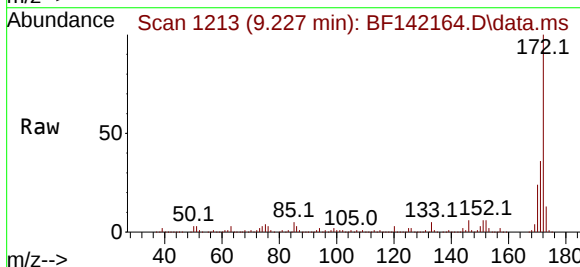
Tgt Ion:172 Resp: 2047413

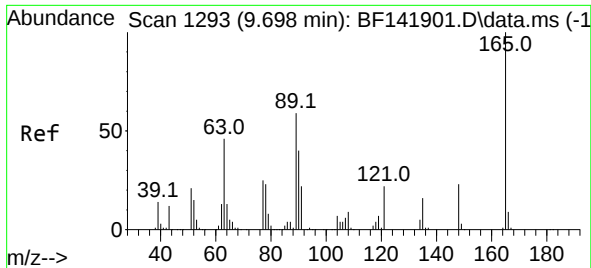
Ion Ratio Lower Upper

172 100

171 36.0 29.3 43.9

170 23.9 19.4 29.0

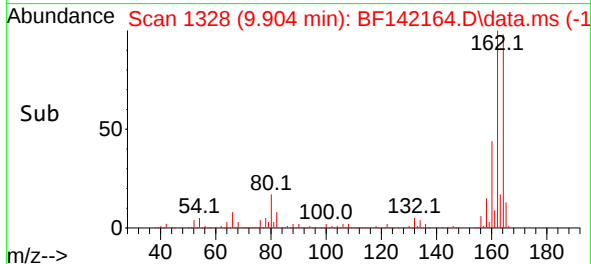
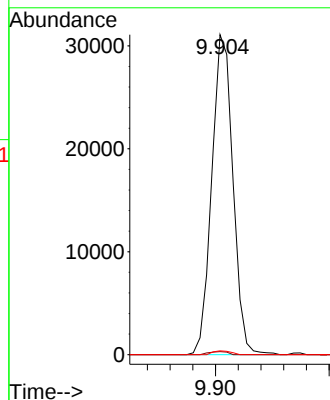
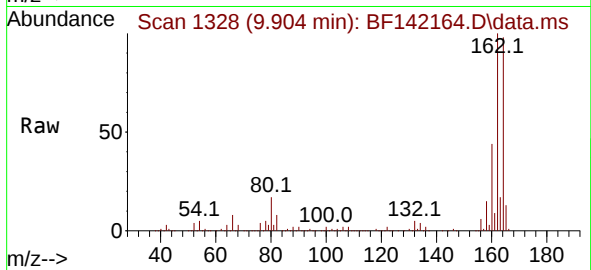




#51
2,6-Dinitrotoluene
Concen: 8.796 ng
RT: 9.904 min Scan# 11
Delta R.T. 0.206 min
Lab File: BF142164.D
Acq: 28 Mar 2025 17:05

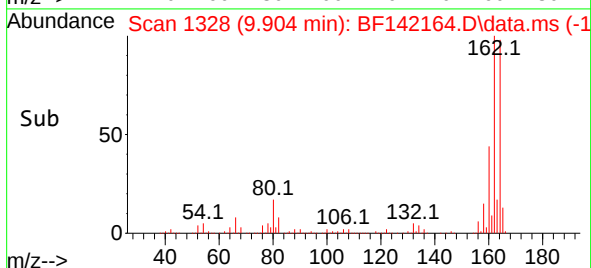
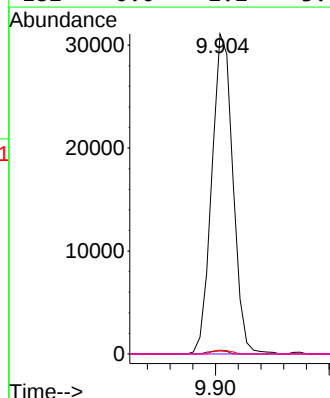
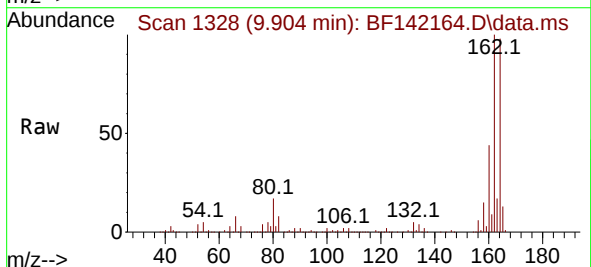
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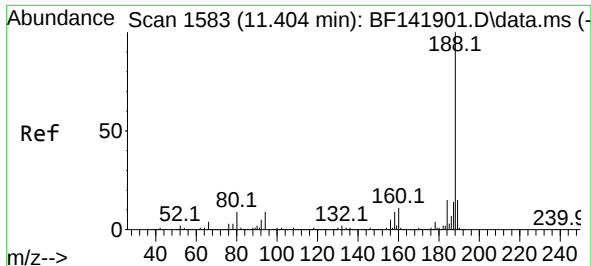
Tgt Ion:165 Resp: 40197
Ion Ratio Lower Upper
165 100
63 1.0 47.0 70.4#
89 1.2 47.4 71.2#



#57
2,4-Dinitrotoluene
Concen: 6.735 ng
RT: 9.904 min Scan# 1328
Delta R.T. -0.200 min
Lab File: BF142164.D
Acq: 28 Mar 2025 17:05

Tgt Ion:165 Resp: 40197
Ion Ratio Lower Upper
165 100
63 1.0 35.4 53.2#
89 1.2 56.6 84.8#
182 0.0 2.2 3.4#

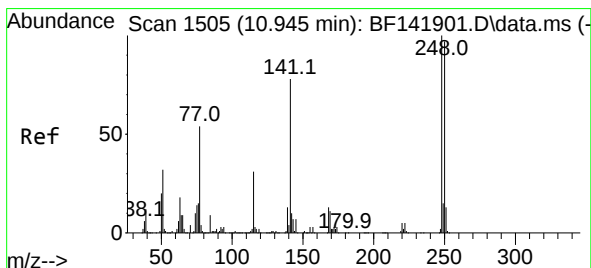
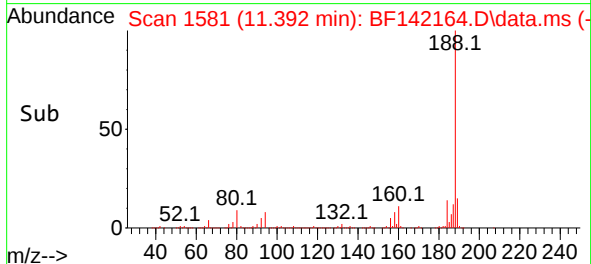
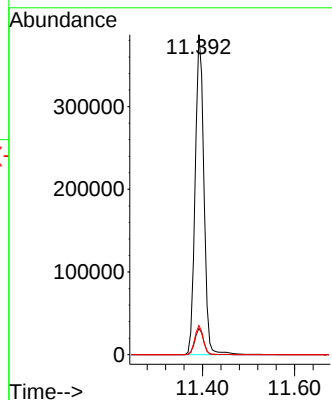
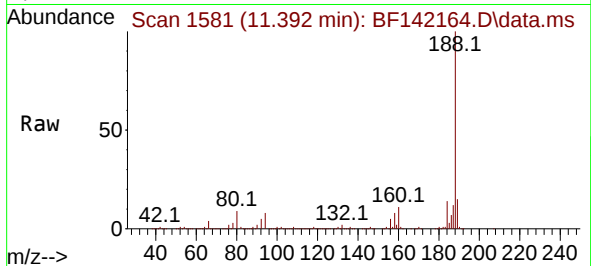




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.392 min Scan# 1
Delta R.T. -0.012 min
Lab File: BF142164.D
Acq: 28 Mar 2025 17:05

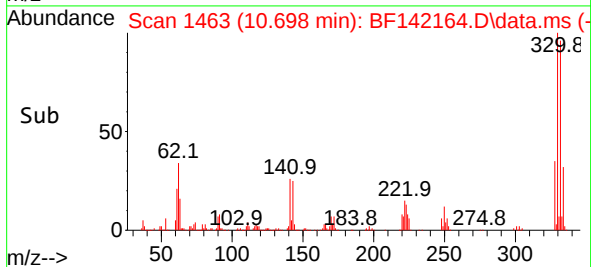
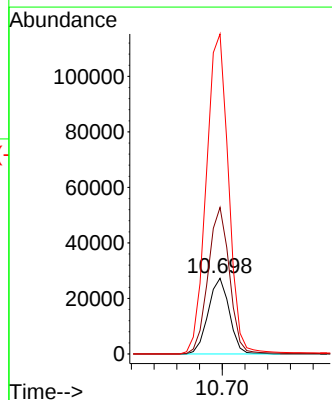
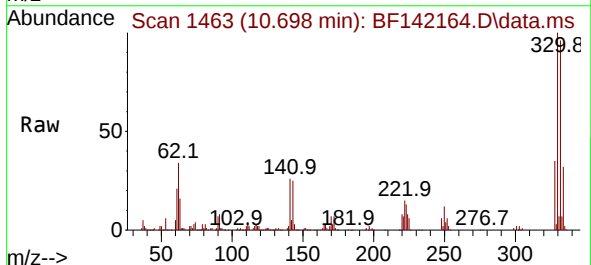
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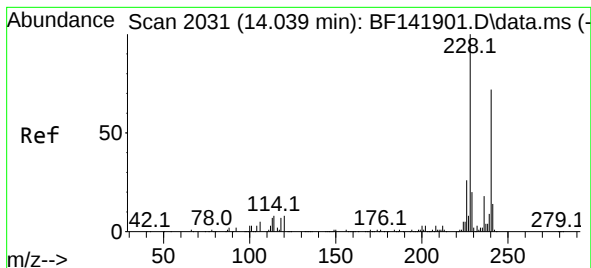
Tgt Ion:188 Resp: 505728
Ion Ratio Lower Upper
188 100
94 8.2 6.8 10.2
80 9.1 7.6 11.4



#67
4-Bromophenyl-phenylether
Concen: 5.563 ng
RT: 10.698 min Scan# 1463
Delta R.T. -0.247 min
Lab File: BF142164.D
Acq: 28 Mar 2025 17:05

Tgt Ion:248 Resp: 35330
Ion Ratio Lower Upper
248 100
250 193.6 77.8 116.8#
141 422.7 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: BF142164.D

Acq: 28 Mar 2025 17:05

Instrument :

BNA_F

ClientSampleId :

TP-7

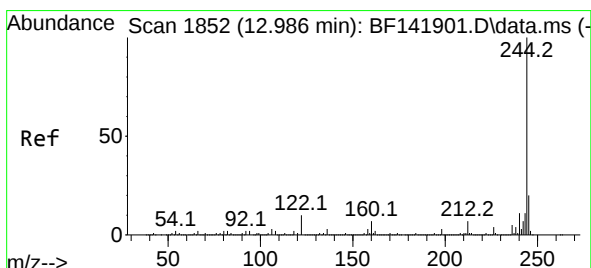
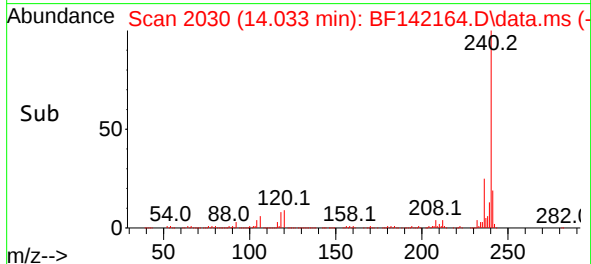
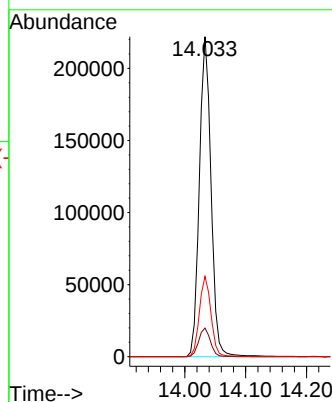
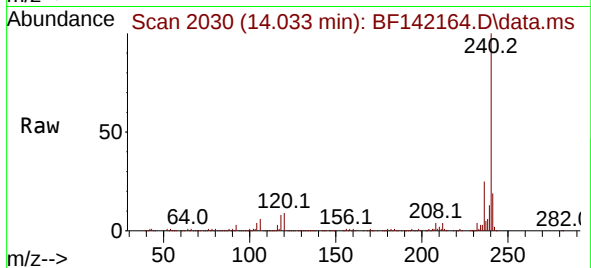
Tgt Ion:240 Resp: 294625

Ion Ratio Lower Upper

240 100

120 9.0 8.4 12.6

236 25.1 20.5 30.7



#79

Terphenyl-d14

Concen: 98.095 ng

RT: 12.980 min Scan# 1851

Delta R.T. -0.006 min

Lab File: BF142164.D

Acq: 28 Mar 2025 17:05

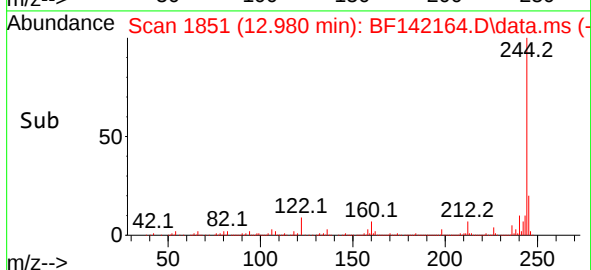
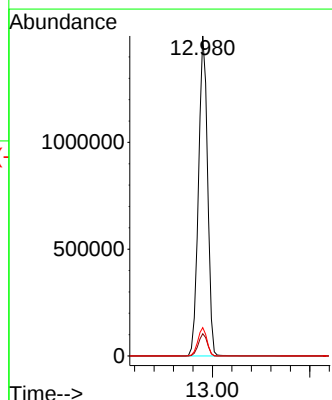
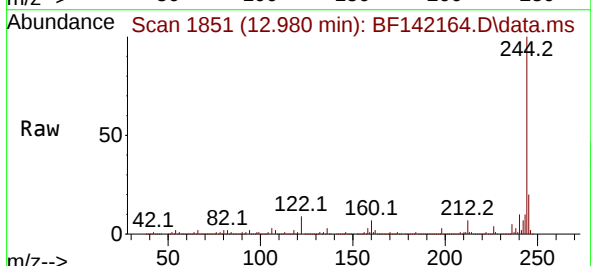
Tgt Ion:244 Resp: 1954822

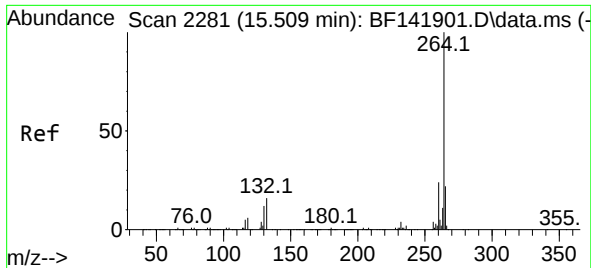
Ion Ratio Lower Upper

244 100

212 7.0 6.0 9.0

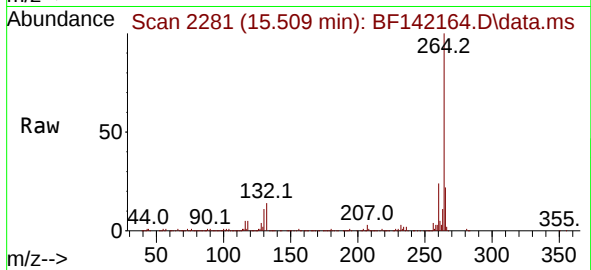
122 8.9 7.7 11.5





#86
Perylene-d12
Concen: 20.000 ng
RT: 15.509 min Scan# 21
Delta R.T. 0.000 min
Lab File: BF142164.D
Acq: 28 Mar 2025 17:05

Instrument :
BNA_F
ClientSampleId :
TP-7



Tgt Ion:264 Resp: 303757

Ion	Ratio	Lower	Upper
264	100		
260	24.2	19.1	28.7
265	21.7	17.5	26.3

