

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF032825\
 Data File : BF142161.D
 Acq On : 28 Mar 2025 15:36
 Operator : RC/JU
 Sample : Q1645-04
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TP-4

Quant Time: Mar 28 16:18:43 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)

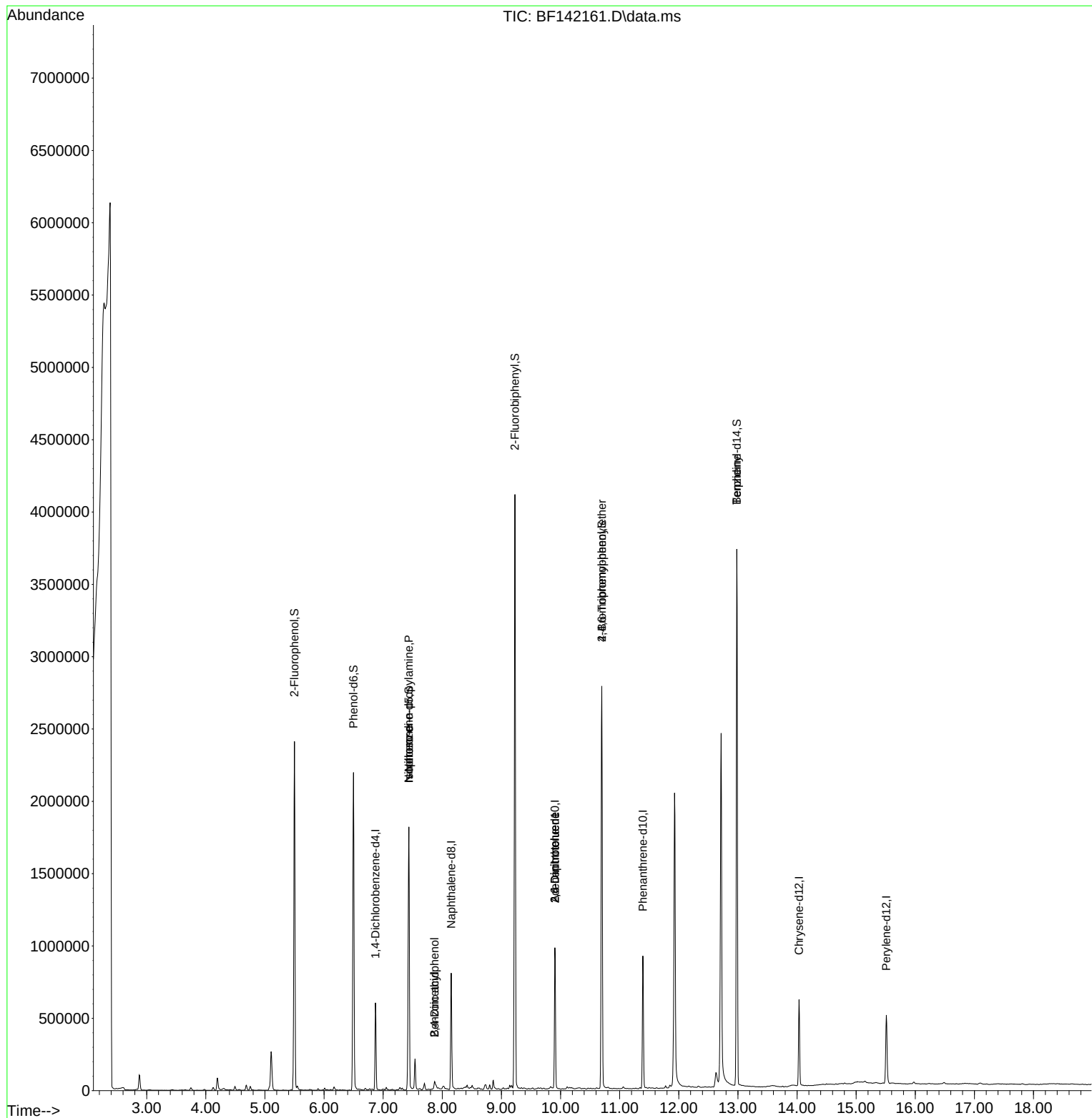
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.869	152	126790	20.000	ng	-0.01
21) Naphthalene-d8	8.151	136	514793	20.000	ng	-0.01
39) Acenaphthene-d10	9.904	164	292591	20.000	ng	-0.01
64) Phenanthrene-d10	11.392	188	473524	20.000	ng	-0.01
76) Chrysene-d12	14.033	240	291414	20.000	ng	0.00
86) Perylene-d12	15.510	264	291103	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.499	112	954313	125.618	ng	0.00
7) Phenol-d6	6.499	99	1121556	115.952	ng	0.00
23) Nitrobenzene-d5	7.434	82	852036	93.143	ng	-0.01
42) 2,4,6-Tribromophenol	10.698	330	551493	148.574	ng	0.00
45) 2-Fluorobiphenyl	9.228	172	1836487	95.456	ng	-0.01
79) Terphenyl-d14	12.980	244	1851034	93.910	ng	0.00
Target Compounds						Qvalue
19) n-Nitroso-di-n-propyla...	7.434	70	118399	19.050	ng	# 77
25) Isophorone	7.434	82	837523	51.795	ng	# 64
27) 2,4-Dimethylphenol	7.869	122	21824	3.551	ng	# 2
32) Benzoic acid	7.869	122	21824	4.040	ng	93
51) 2,6-Dinitrotoluene	9.904	165	36897	8.649	ng	# 23
57) 2,4-Dinitrotoluene	9.904	165	36897	6.622	ng	# 24
67) 4-Bromophenyl-phenylether	10.698	248	33081	5.563	ng	# 1
77) Benzidine	12.980	184	25017	6.153	ng	# 91

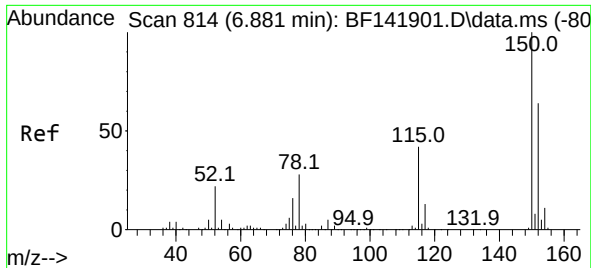
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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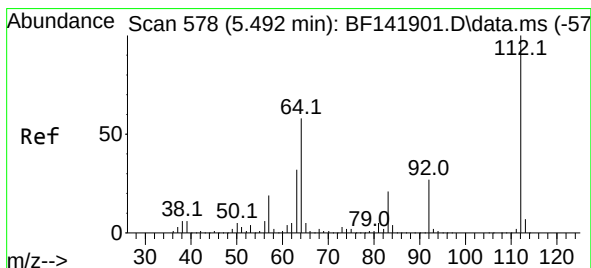
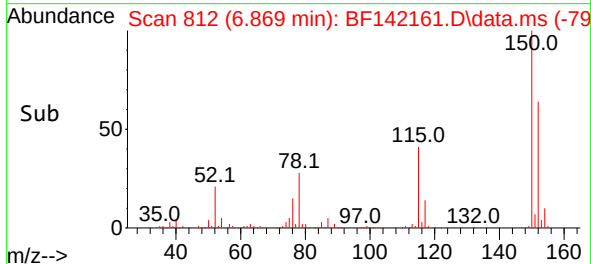
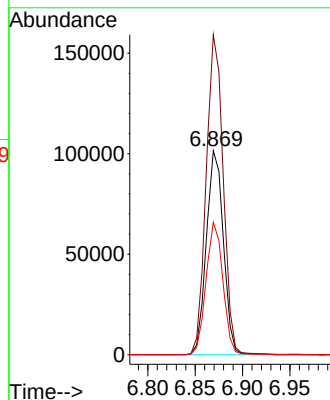
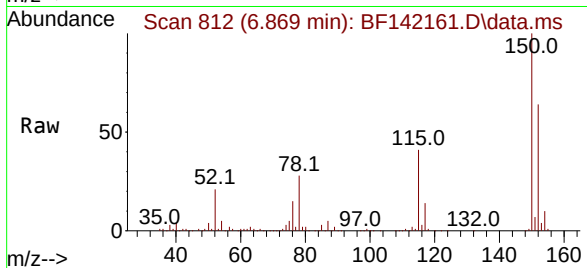




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.869 min Scan# 814
Delta R.T. -0.012 min
Lab File: BF142161.D
Acq: 28 Mar 2025 15:36

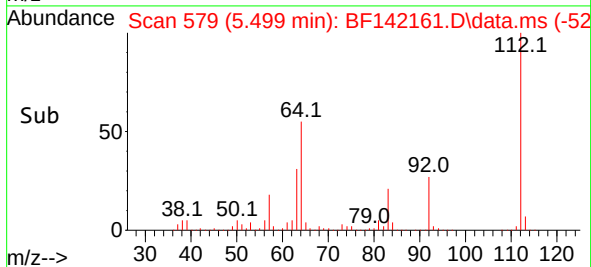
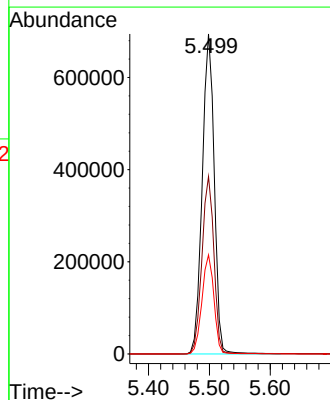
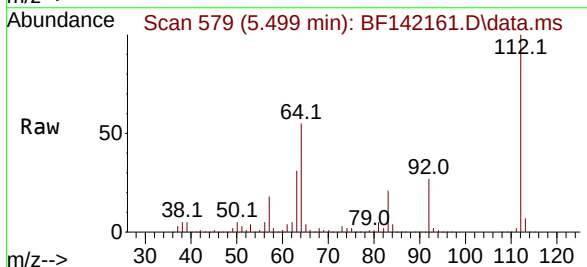
Instrument :
BNA_F
ClientSampleId :
TP-4

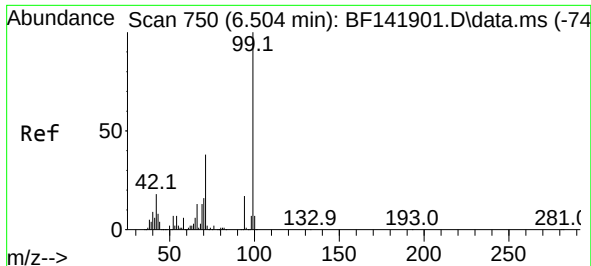
Tgt Ion:152 Resp: 126790
Ion Ratio Lower Upper
152 100
150 156.8 127.4 191.2
115 64.8 51.9 77.9



#5
2-Fluorophenol
Concen: 125.618 ng
RT: 5.499 min Scan# 579
Delta R.T. 0.006 min
Lab File: BF142161.D
Acq: 28 Mar 2025 15:36

Tgt Ion:112 Resp: 954313
Ion Ratio Lower Upper
112 100
64 55.4 46.5 69.7
63 31.0 25.4 38.2



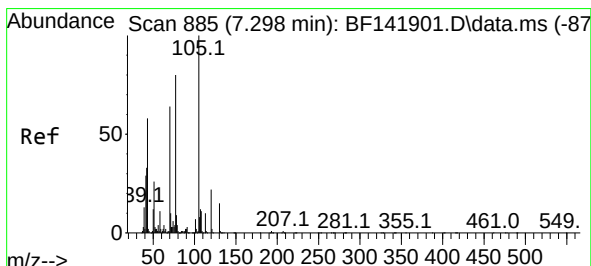
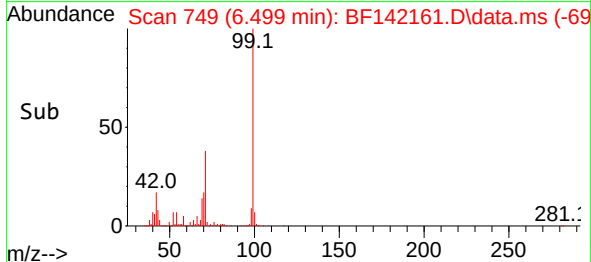
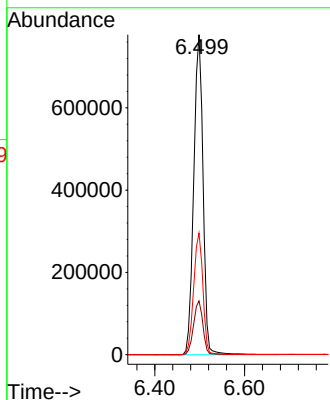
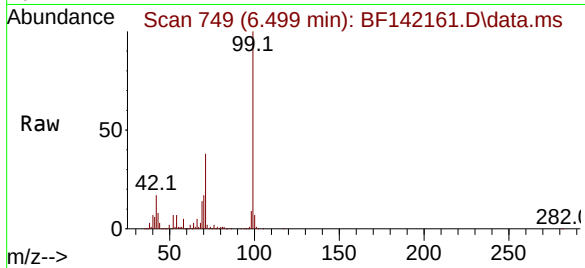


#7
Phenol-d6
Concen: 115.952 ng
RT: 6.499 min Scan# 74
Delta R.T. -0.006 min
Lab File: BF142161.D
Acq: 28 Mar 2025 15:36

Instrument :
BNA_F
ClientSampleId :
TP-4

Tgt Ion: 99 Resp: 1121556

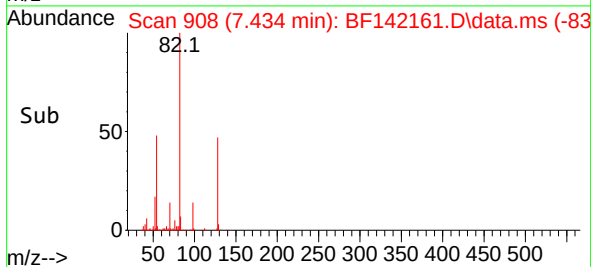
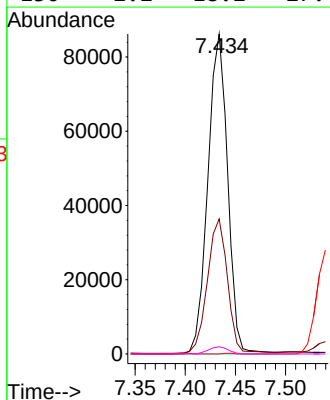
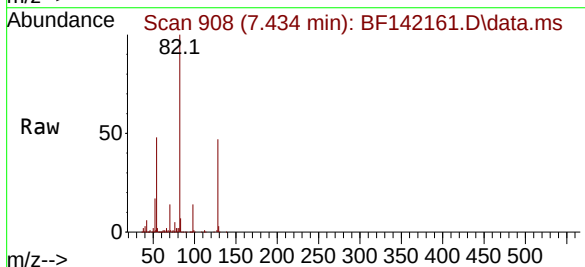
Ion	Ratio	Lower	Upper
99	100		
42	16.8	14.6	21.8
71	38.0	30.8	46.2

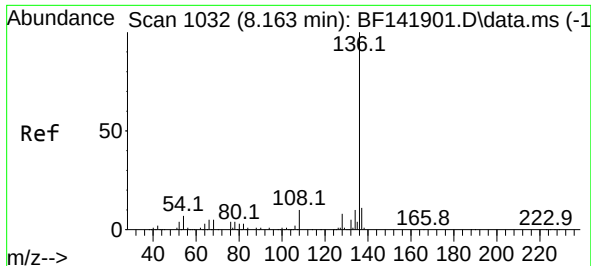


#19
n-Nitroso-di-n-propylamine
Concen: 19.050 ng
RT: 7.434 min Scan# 908
Delta R.T. 0.136 min
Lab File: BF142161.D
Acq: 28 Mar 2025 15:36

Tgt Ion: 70 Resp: 118399

Ion	Ratio	Lower	Upper
70	100		
42	42.2	41.4	62.0
101	0.0	8.2	12.2#
130	2.2	18.2	27.4#

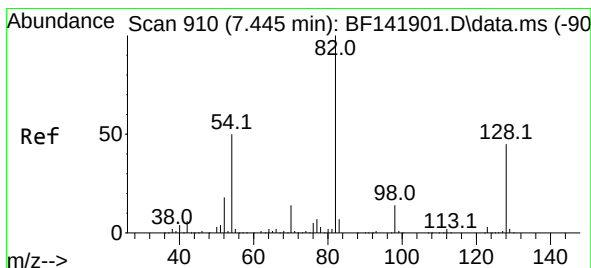
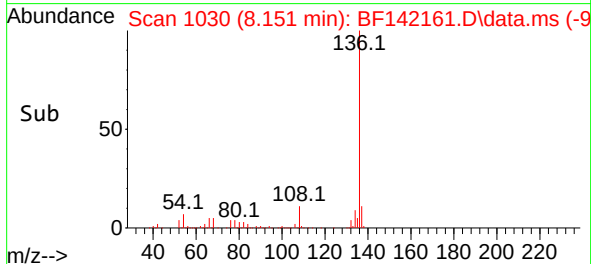
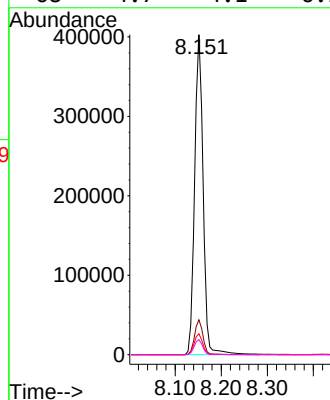
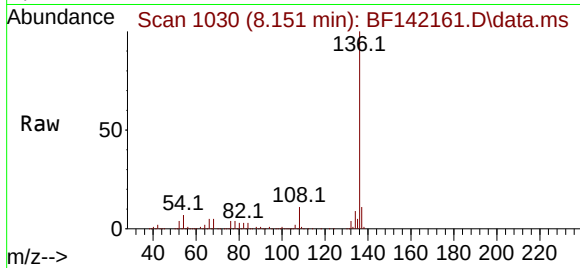




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.151 min Scan# 1030
Delta R.T. -0.012 min
Lab File: BF142161.D
Acq: 28 Mar 2025 15:36

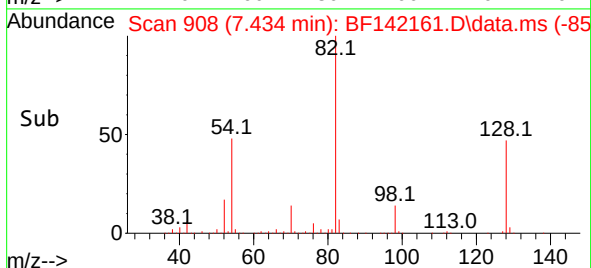
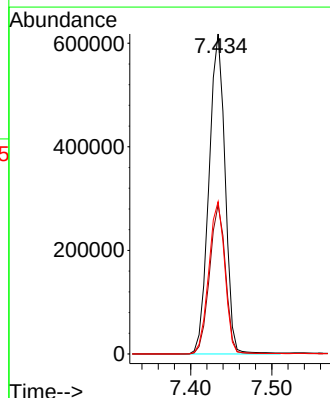
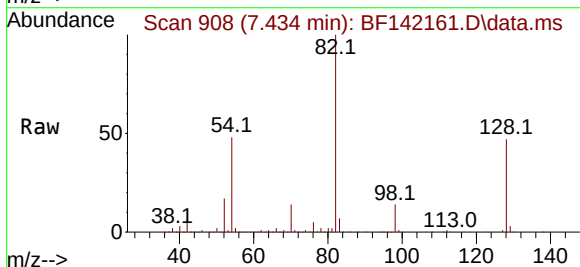
Instrument :
BNA_F
ClientSampleId :
TP-4

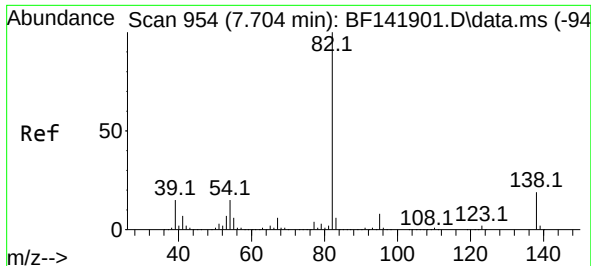
Tgt Ion:	136	Resp:	514793
Ion	Ratio	Lower	Upper
136	100		
137	10.9	8.8	13.2
54	6.5	5.8	8.8
68	4.7	4.1	6.1



#23
Nitrobenzene-d5
Concen: 93.143 ng
RT: 7.434 min Scan# 908
Delta R.T. -0.011 min
Lab File: BF142161.D
Acq: 28 Mar 2025 15:36

Tgt Ion:	82	Resp:	852036
Ion	Ratio	Lower	Upper
82	100		
128	46.6	36.0	54.0
54	47.6	39.6	59.4

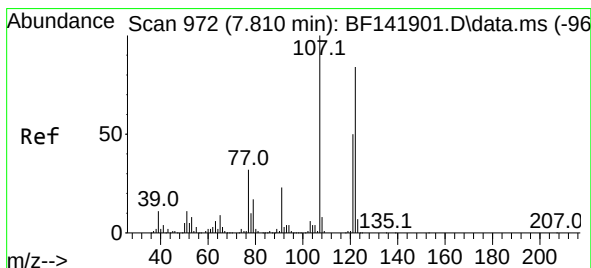
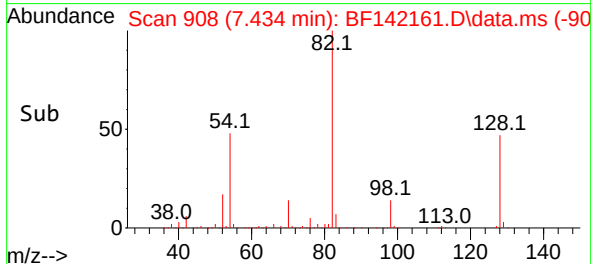
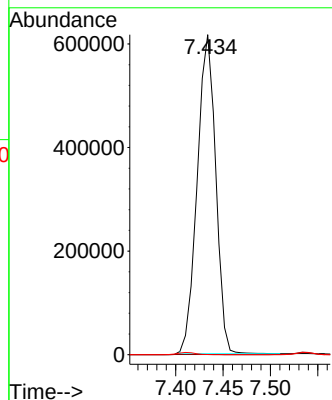
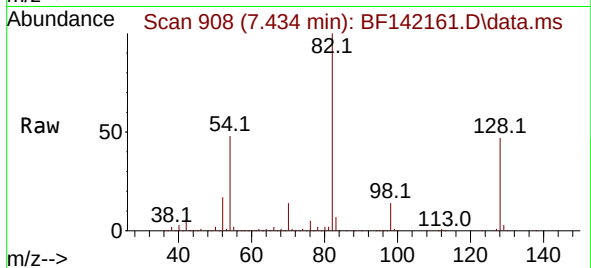




#25
Isophorone
Concen: 51.795 ng
RT: 7.434 min Scan# 90
Delta R.T. -0.270 min
Lab File: BF142161.D
Acq: 28 Mar 2025 15:36

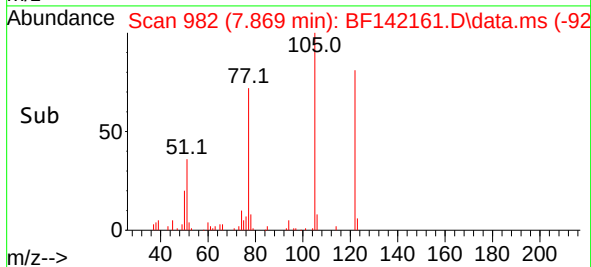
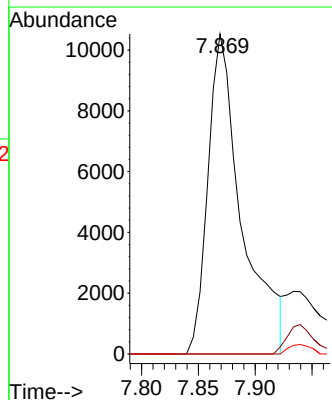
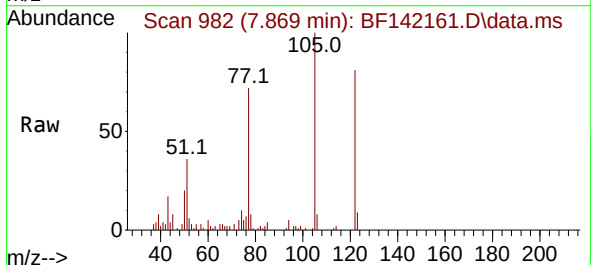
Instrument :
BNA_F
ClientSampleId :
TP-4

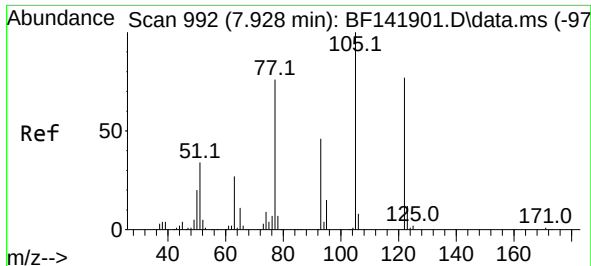
Tgt Ion: 82 Resp: 837523
Ion Ratio Lower Upper
82 100
95 0.0 6.4 9.6#
138 0.0 14.9 22.3#



#27
2,4-Dimethylphenol
Concen: 3.551 ng
RT: 7.869 min Scan# 982
Delta R.T. 0.059 min
Lab File: BF142161.D
Acq: 28 Mar 2025 15:36

Tgt Ion:122 Resp: 21824
Ion Ratio Lower Upper
122 100
107 0.0 94.8 142.2#
121 0.0 47.8 71.6#

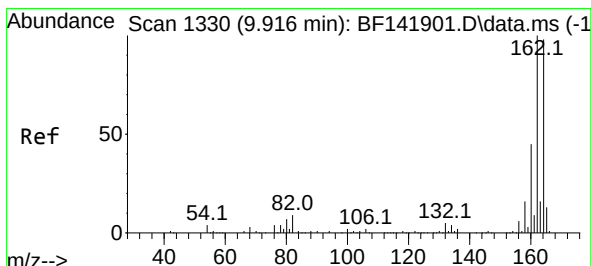
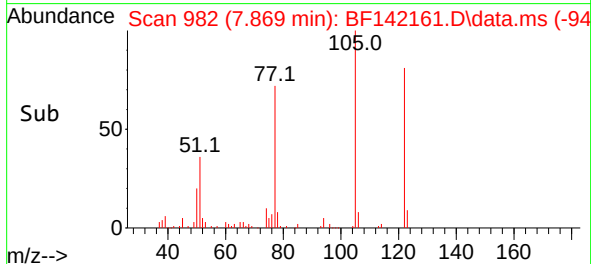
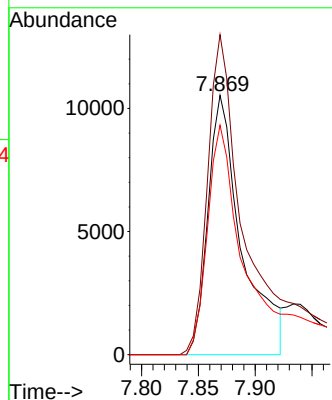
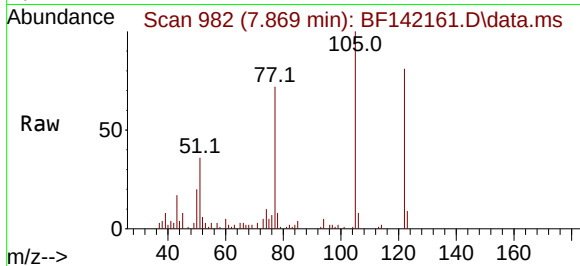




#32
Benzoic acid
Concen: 4.040 ng
RT: 7.869 min Scan# 91
Delta R.T. -0.059 min
Lab File: BF142161.D
Acq: 28 Mar 2025 15:36

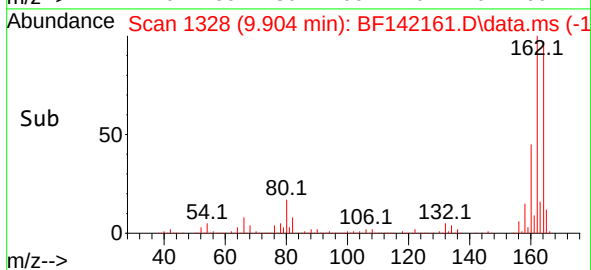
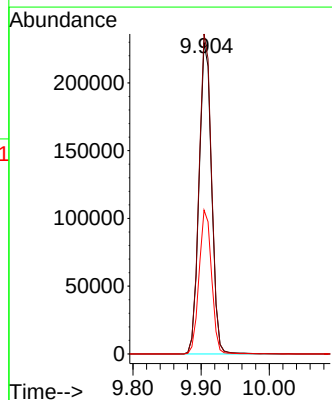
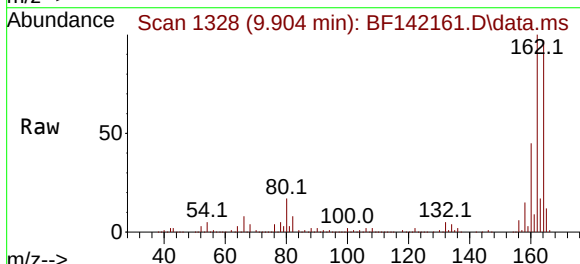
Instrument :
BNA_F
ClientSampleId :
TP-4

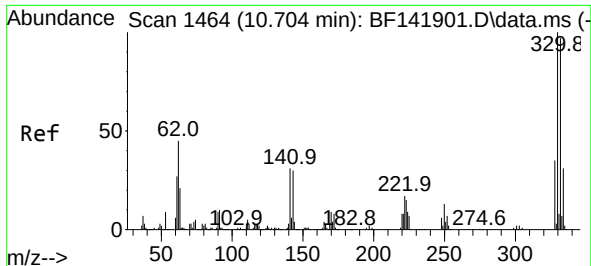
Tgt Ion:122 Resp: 21824
Ion Ratio Lower Upper
122 100
105 123.4 107.9 147.9
77 88.5 79.0 119.0



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.904 min Scan# 1328
Delta R.T. -0.012 min
Lab File: BF142161.D
Acq: 28 Mar 2025 15:36

Tgt Ion:164 Resp: 292591
Ion Ratio Lower Upper
164 100
162 102.8 81.8 122.6
160 46.2 36.7 55.1

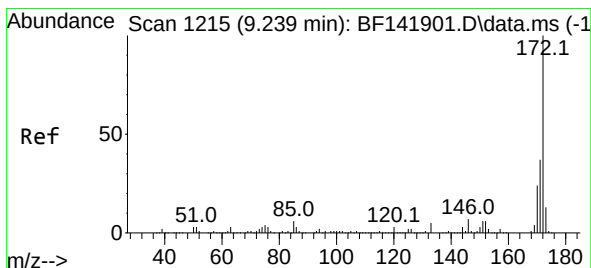
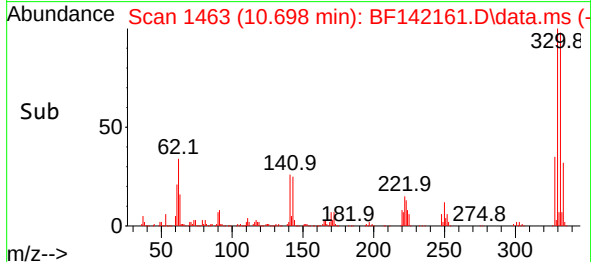
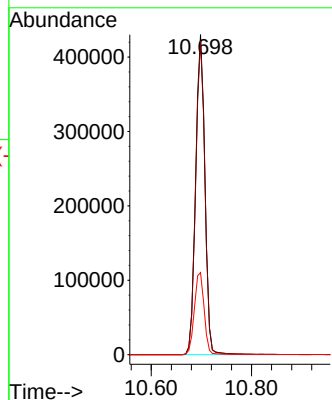
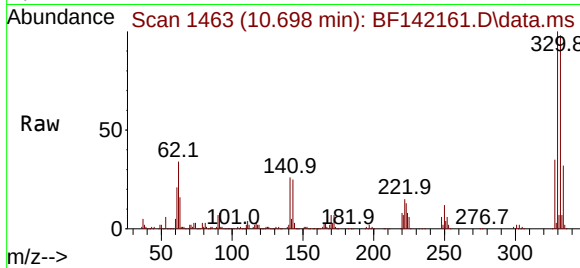




#42
 2,4,6-Tribromophenol
 Concen: 148.574 ng
 RT: 10.698 min Scan# 1463
 Delta R.T. -0.006 min
 Lab File: BF142161.D
 Acq: 28 Mar 2025 15:36

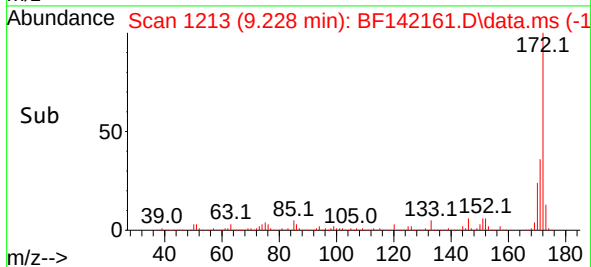
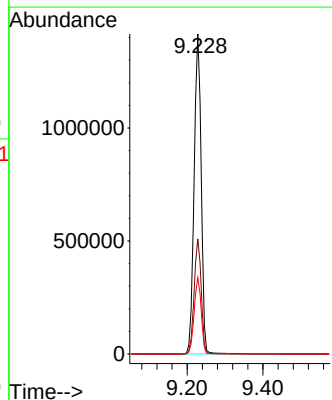
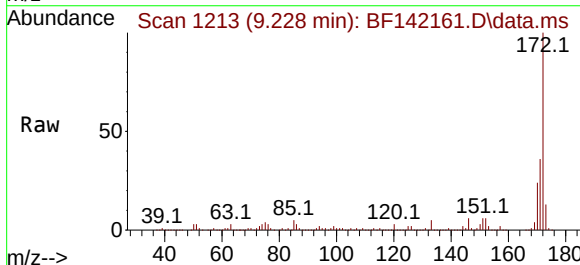
Instrument :
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 ClientSampleId :
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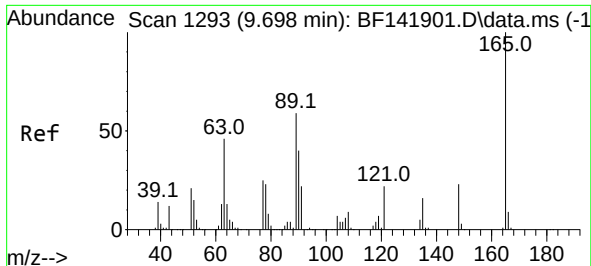
Tgt Ion: 330 Resp: 551493
 Ion Ratio Lower Upper
 330 100
 332 97.8 77.6 116.4
 141 27.4 24.7 37.1



#45
 2-Fluorobiphenyl
 Concen: 95.456 ng
 RT: 9.228 min Scan# 1213
 Delta R.T. -0.011 min
 Lab File: BF142161.D
 Acq: 28 Mar 2025 15:36

Tgt Ion: 172 Resp: 1836487
 Ion Ratio Lower Upper
 172 100
 171 36.0 29.3 43.9
 170 23.8 19.4 29.0

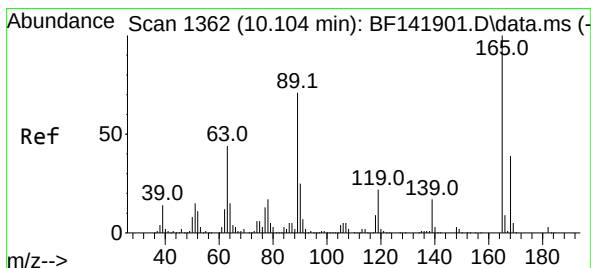
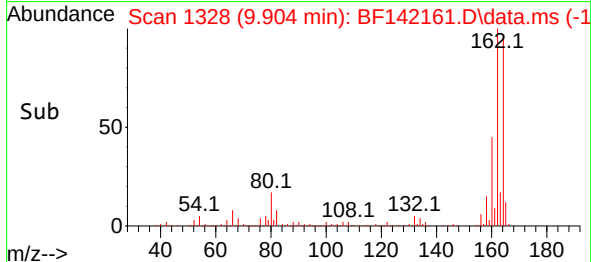
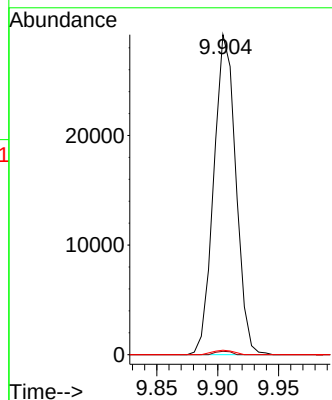
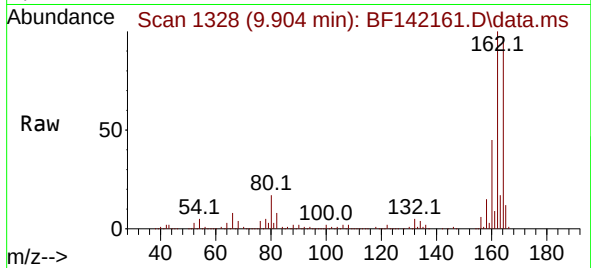




#51
2,6-Dinitrotoluene
Concen: 8.649 ng
RT: 9.904 min Scan# 11
Delta R.T. 0.206 min
Lab File: BF142161.D
Acq: 28 Mar 2025 15:36

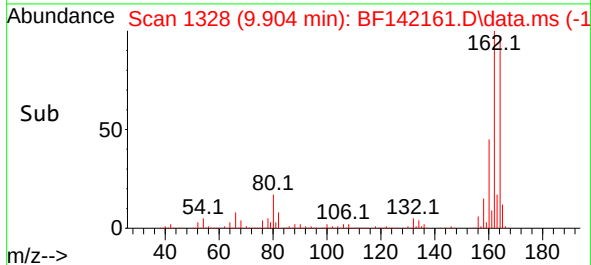
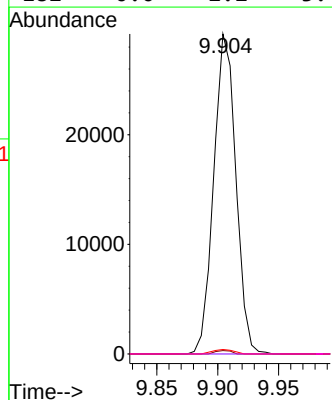
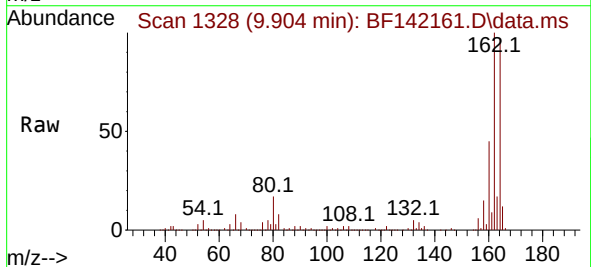
Instrument :
BNA_F
ClientSampleId :
TP-4

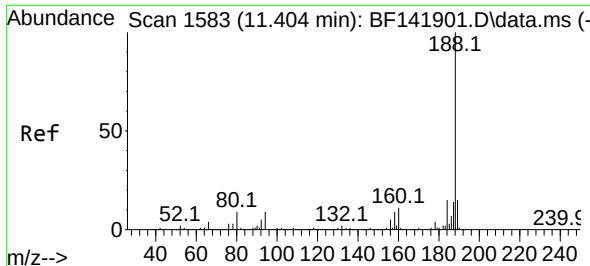
Tgt Ion:165 Resp: 36897
Ion Ratio Lower Upper
165 100
63 1.0 47.0 70.4#
89 1.4 47.4 71.2#



#57
2,4-Dinitrotoluene
Concen: 6.622 ng
RT: 9.904 min Scan# 1328
Delta R.T. -0.200 min
Lab File: BF142161.D
Acq: 28 Mar 2025 15:36

Tgt Ion:165 Resp: 36897
Ion Ratio Lower Upper
165 100
63 1.0 35.4 53.2#
89 1.4 56.6 84.8#
182 0.0 2.2 3.4#

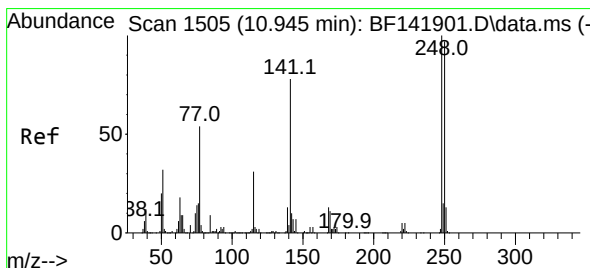
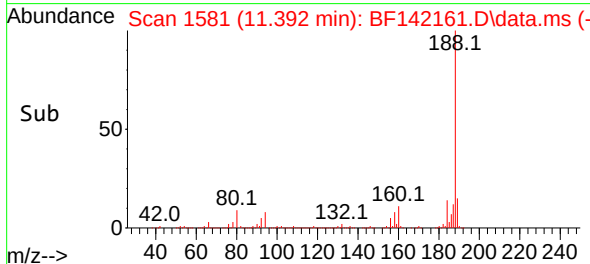
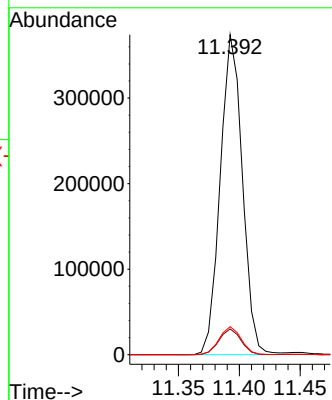
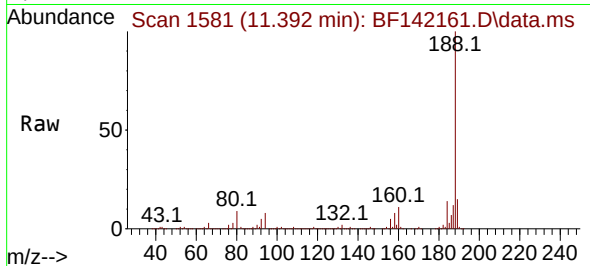




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.392 min Scan# 1
Delta R.T. -0.012 min
Lab File: BF142161.D
Acq: 28 Mar 2025 15:36

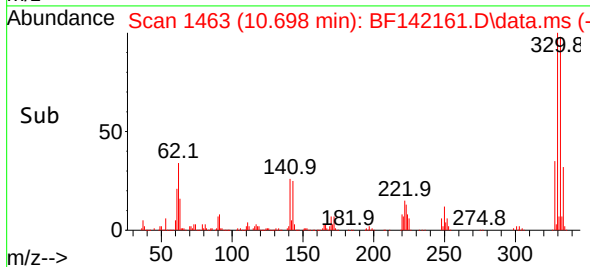
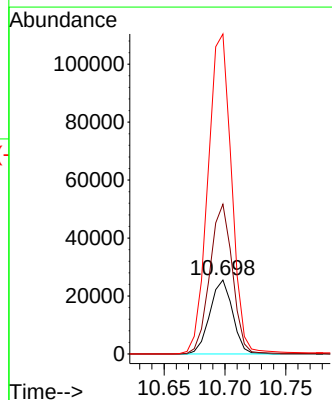
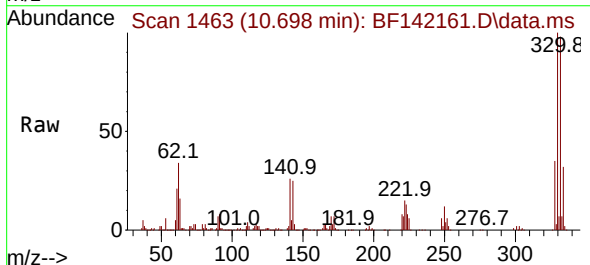
Instrument :
BNA_F
ClientSampleId :
TP-4

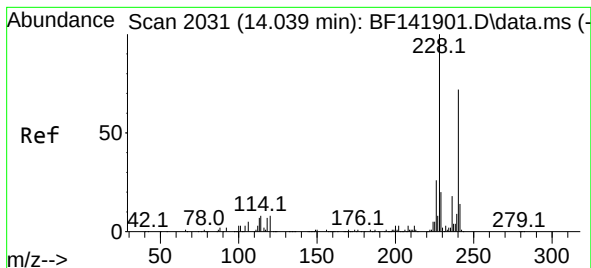
Tgt Ion:188 Resp: 473524
Ion Ratio Lower Upper
188 100
94 8.0 6.8 10.2
80 8.7 7.6 11.4



#67
4-Bromophenyl-phenylether
Concen: 5.563 ng
RT: 10.698 min Scan# 1463
Delta R.T. -0.247 min
Lab File: BF142161.D
Acq: 28 Mar 2025 15:36

Tgt Ion:248 Resp: 33081
Ion Ratio Lower Upper
248 100
250 202.6 77.8 116.8#
141 432.9 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: BF142161.D

Acq: 28 Mar 2025 15:36

Instrument :

BNA_F

ClientSampleId :

TP-4

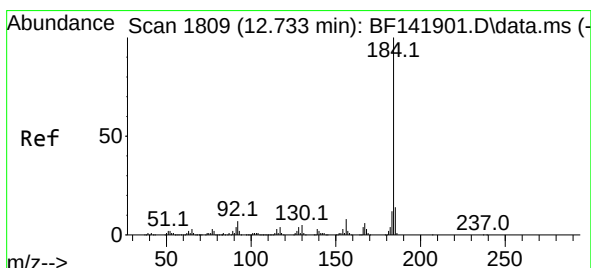
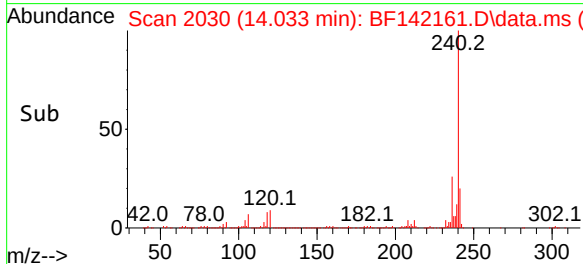
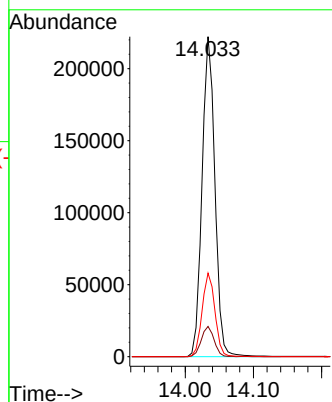
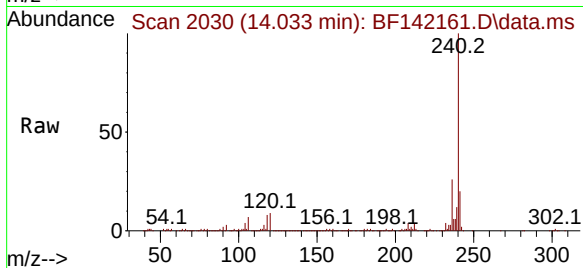
Tgt Ion:240 Resp: 291414

Ion Ratio Lower Upper

240 100

120 9.4 8.4 12.6

236 26.1 20.5 30.7



#77

Benzidine

Concen: 6.153 ng

RT: 12.980 min Scan# 1851

Delta R.T. 0.247 min

Lab File: BF142161.D

Acq: 28 Mar 2025 15:36

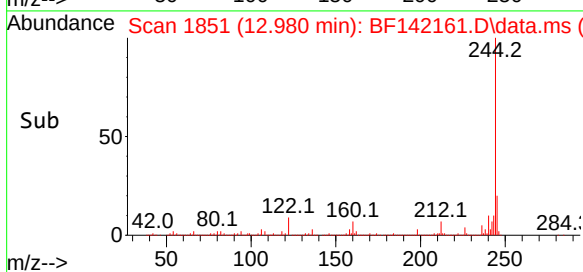
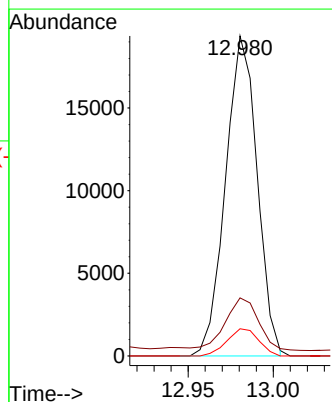
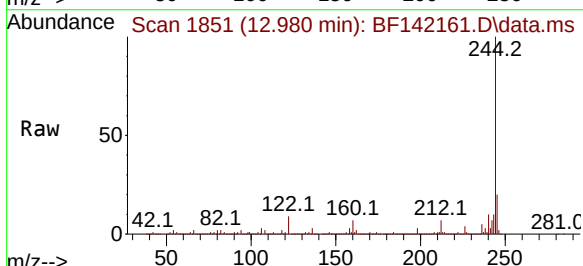
Tgt Ion:184 Resp: 25017

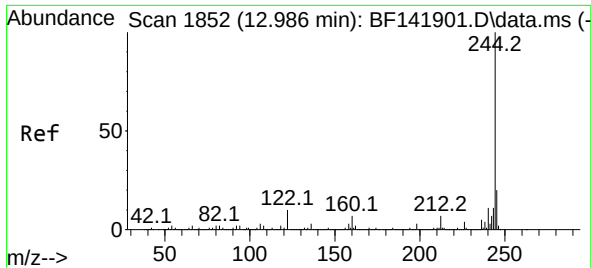
Ion Ratio Lower Upper

184 100

185 18.2 11.5 17.3#

183 8.5 9.7 14.5#

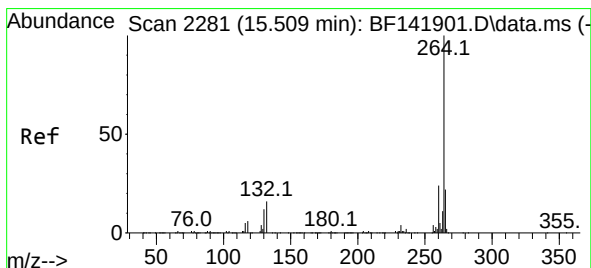
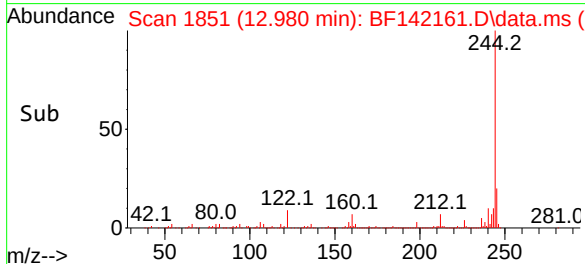
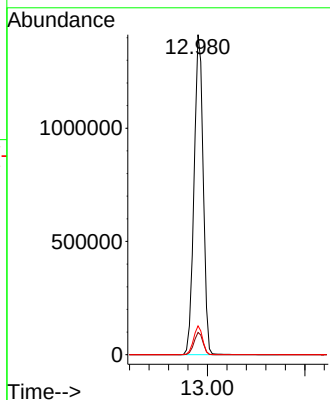
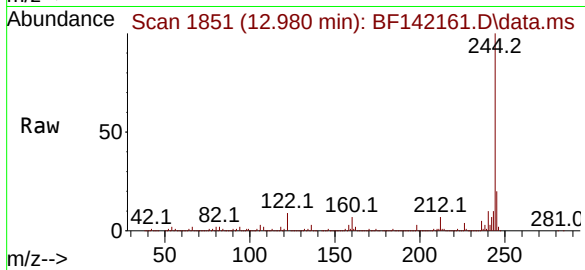




#79
 Terphenyl-d14
 Concen: 93.910 ng
 RT: 12.980 min Scan# 1851
 Delta R.T. -0.006 min
 Lab File: BF142161.D
 Acq: 28 Mar 2025 15:36

Instrument :
 BNA_F
 ClientSampleId :
 TP-4

Tgt Ion:244 Resp: 1851034
 Ion Ratio Lower Upper
 244 100
 212 6.9 6.0 9.0
 122 9.0 7.7 11.5



#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.510 min Scan# 2281
 Delta R.T. 0.000 min
 Lab File: BF142161.D
 Acq: 28 Mar 2025 15:36

Tgt Ion:264 Resp: 291103
 Ion Ratio Lower Upper
 264 100
 260 23.6 19.1 28.7
 265 21.8 17.5 26.3

