

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF032625\
 Data File : BF142099.D
 Acq On : 26 Mar 2025 16:12
 Operator : RC/JU
 Sample : Q1636-17
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 WC-5

Quant Time: Mar 26 16:33:05 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)

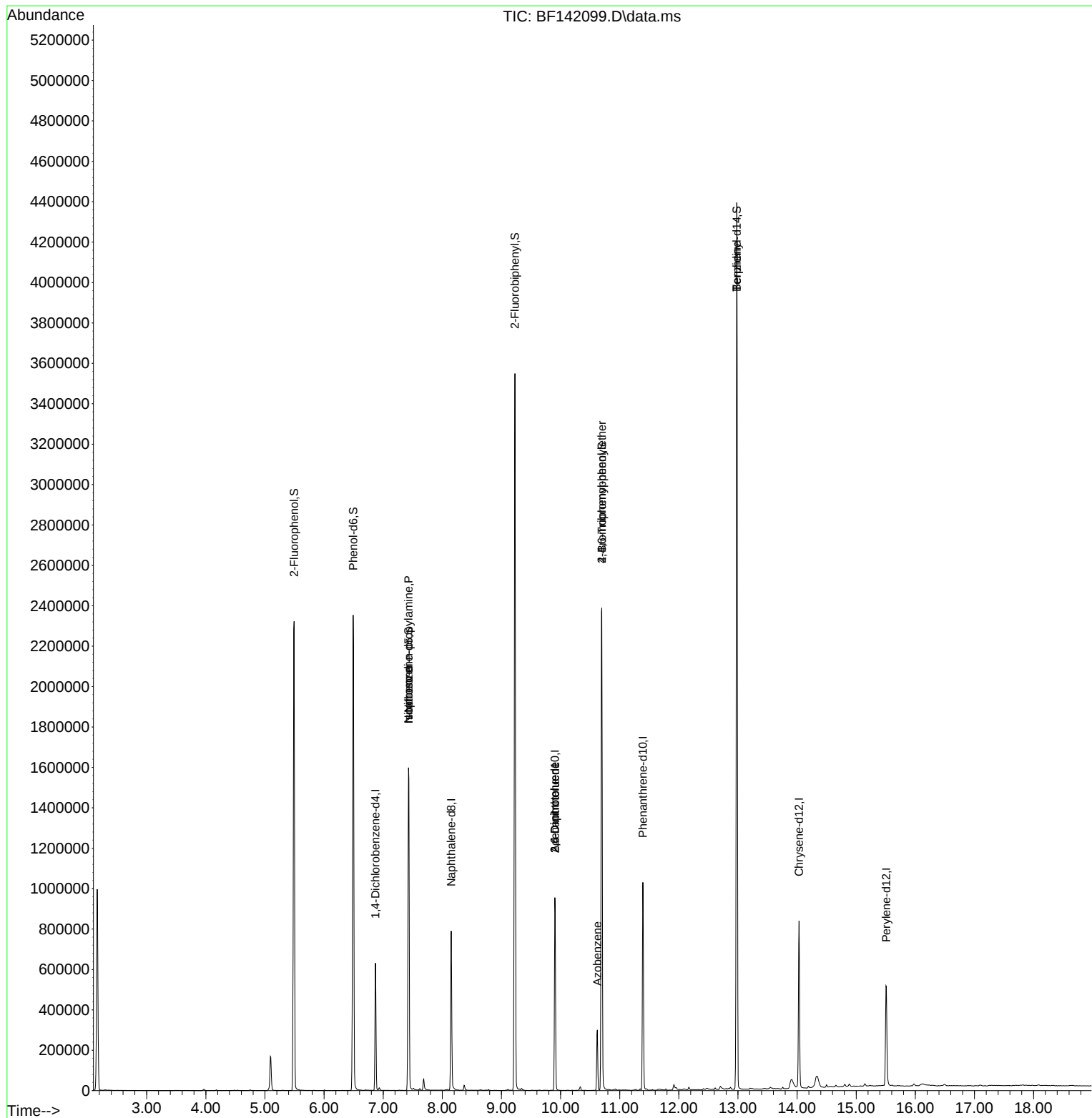
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.869	152	132561	20.000	ng	-0.01
21) Naphthalene-d8	8.151	136	518629	20.000	ng	-0.01
39) Acenaphthene-d10	9.904	164	293402	20.000	ng	-0.01
64) Phenanthrene-d10	11.392	188	537705	20.000	ng	-0.01
76) Chrysene-d12	14.033	240	416947	20.000	ng	0.00
86) Perylene-d12	15.510	264	321659	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.493	112	957125	120.503	ng	0.00
7) Phenol-d6	6.492	99	1185007	117.178	ng	-0.01
23) Nitrobenzene-d5	7.428	82	765795	83.096	ng	-0.02
42) 2,4,6-Tribromophenol	10.698	330	478882	128.656	ng	0.00
45) 2-Fluorobiphenyl	9.228	172	1583071	82.056	ng	-0.01
79) Terphenyl-d14	12.980	244	2149757	76.228	ng	0.00
Target Compounds						Qvalue
19) n-Nitroso-di-n-propyla...	7.428	70	103921	15.993	ng	# 77
25) Isophorone	7.428	82	755137	46.355	ng	# 64
51) 2,6-Dinitrotoluene	9.904	165	37810	8.838	ng	# 23
57) 2,4-Dinitrotoluene	9.904	165	37810	6.767	ng	# 24
63) Azobenzene	10.622	77	76181	4.000	ng	# 1
67) 4-Bromophenyl-phenylether	10.698	248	29603	4.384	ng	# 1
77) Benzidine	12.980	184	29720	5.109	ng	# 94

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

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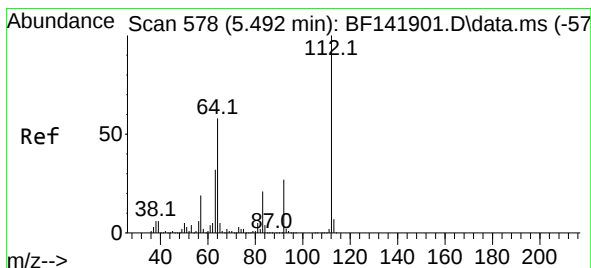
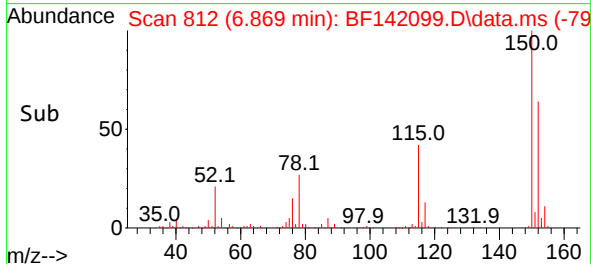
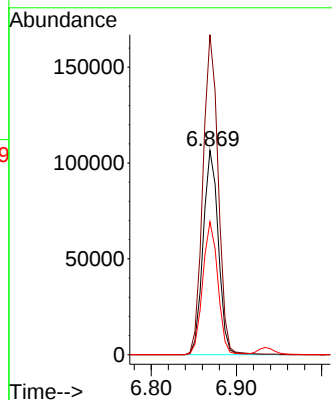
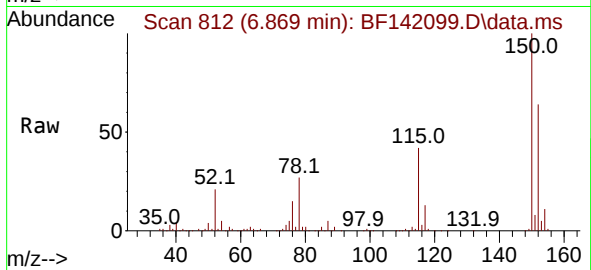




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.869 min Scan# 814
Delta R.T. -0.012 min
Lab File: BF142099.D
Acq: 26 Mar 2025 16:12

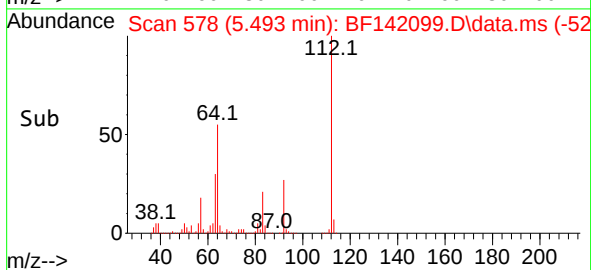
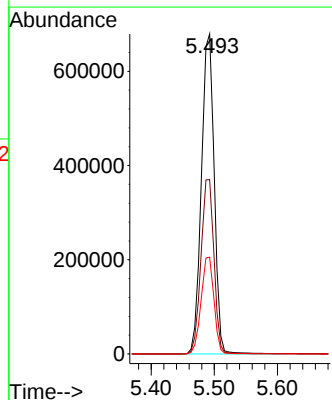
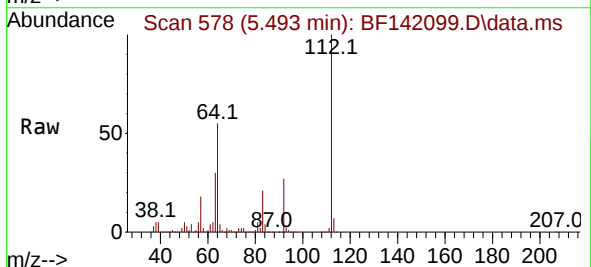
Instrument :
BNA_F
ClientSampleId :
WC-5

Tgt Ion:152 Resp: 132561
Ion Ratio Lower Upper
152 100
150 156.8 127.4 191.2
115 65.1 51.9 77.9



#5
2-Fluorophenol
Concen: 120.503 ng
RT: 5.493 min Scan# 578
Delta R.T. 0.000 min
Lab File: BF142099.D
Acq: 26 Mar 2025 16:12

Tgt Ion:112 Resp: 957125
Ion Ratio Lower Upper
112 100
64 54.5 46.5 69.7
63 30.3 25.4 38.2

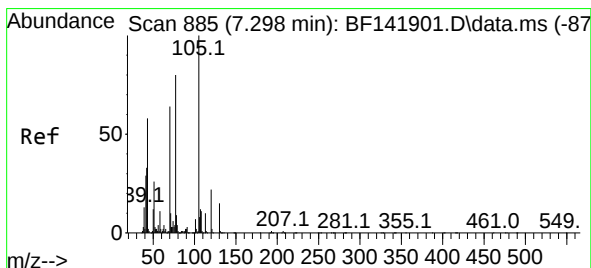
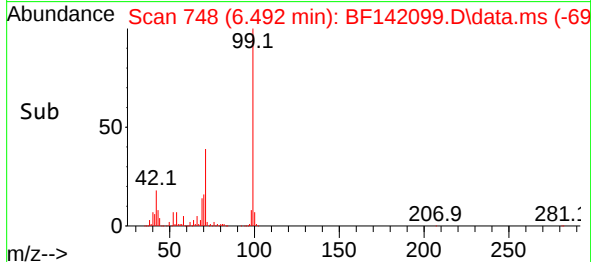
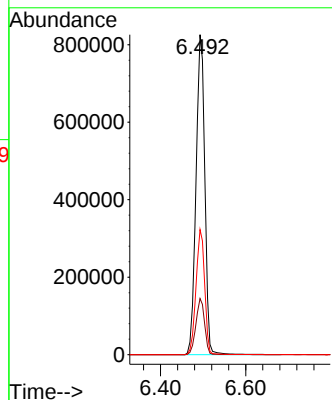
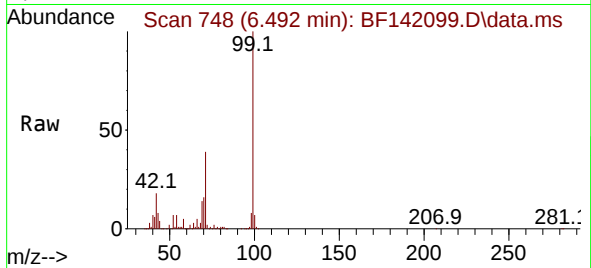




#7
Phenol-d6
Concen: 117.178 ng
RT: 6.492 min Scan# 74
Delta R.T. -0.012 min
Lab File: BF142099.D
Acq: 26 Mar 2025 16:12

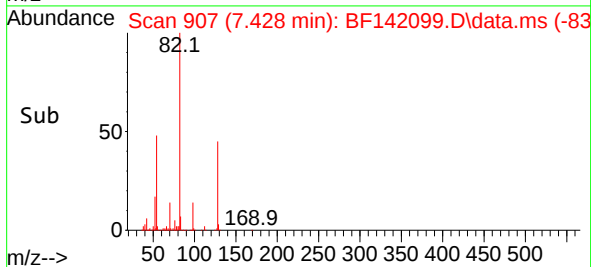
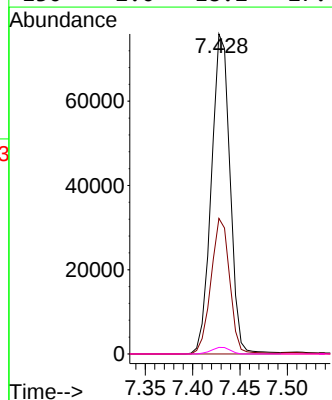
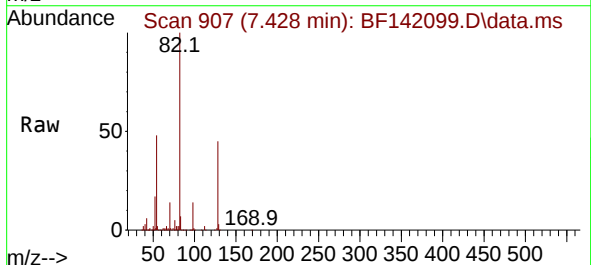
Instrument :
BNA_F
ClientSampleId :
WC-5

Tgt Ion: 99 Resp: 1185007
Ion Ratio Lower Upper
99 100
42 17.5 14.6 21.8
71 39.1 30.8 46.2



#19
n-Nitroso-di-n-propylamine
Concen: 15.993 ng
RT: 7.428 min Scan# 907
Delta R.T. 0.129 min
Lab File: BF142099.D
Acq: 26 Mar 2025 16:12

Tgt Ion: 70 Resp: 103921
Ion Ratio Lower Upper
70 100
42 42.4 41.4 62.0
101 0.0 8.2 12.2#
130 2.0 18.2 27.4#



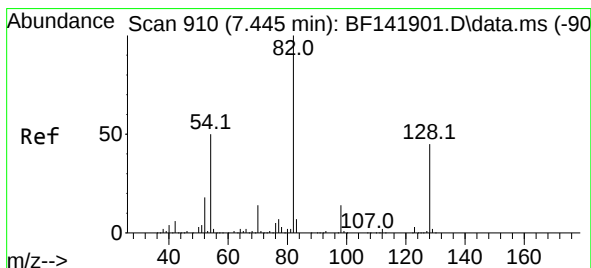
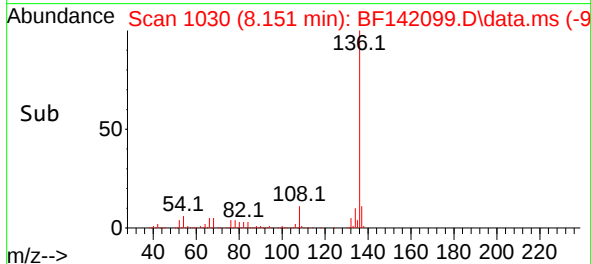
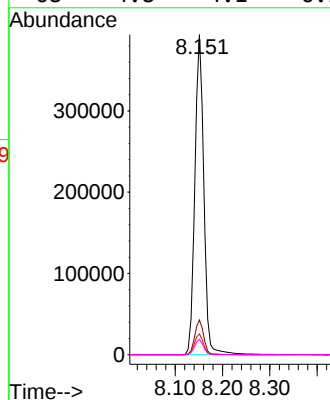
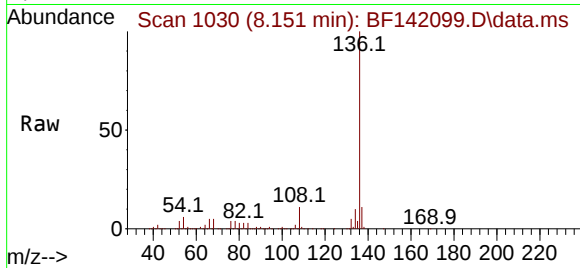


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.151 min Scan# 1030
Delta R.T. -0.012 min
Lab File: BF142099.D
Acq: 26 Mar 2025 16:12

Instrument :
BNA_F
ClientSampleId :
WC-5

Tgt Ion:136 Resp: 518629

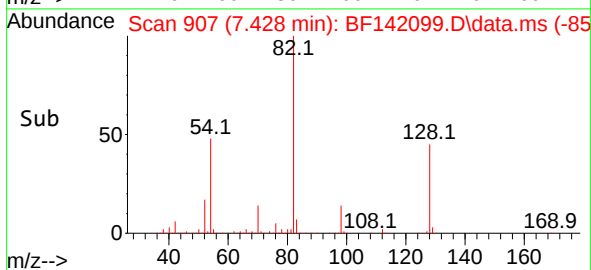
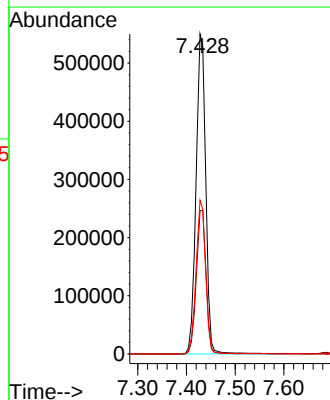
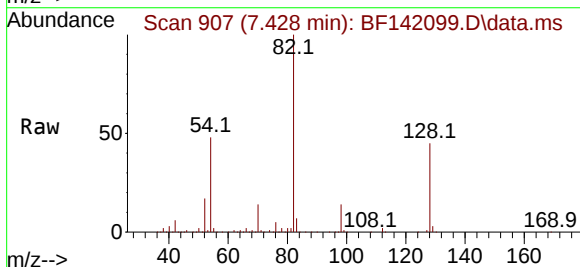
Ion	Ratio	Lower	Upper
136	100		
137	10.9	8.8	13.2
54	6.5	5.8	8.8
68	4.8	4.1	6.1

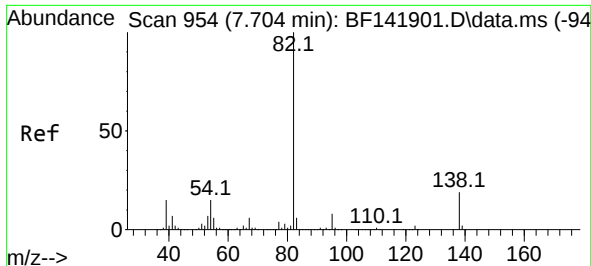


#23
Nitrobenzene-d5
Concen: 83.096 ng
RT: 7.428 min Scan# 907
Delta R.T. -0.018 min
Lab File: BF142099.D
Acq: 26 Mar 2025 16:12

Tgt Ion: 82 Resp: 765795

Ion	Ratio	Lower	Upper
82	100		
128	44.7	36.0	54.0
54	48.0	39.6	59.4

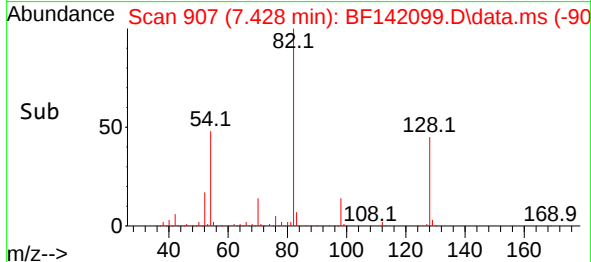
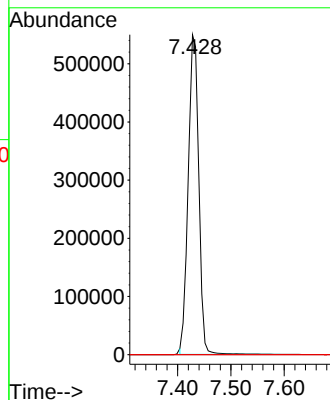
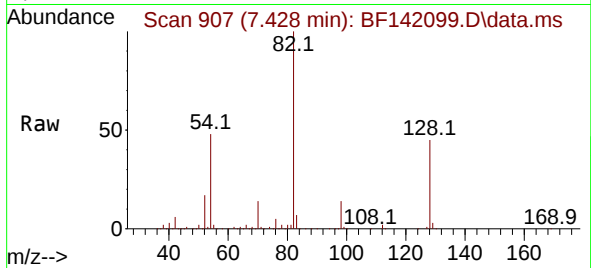




#25
Isophorone
Concen: 46.355 ng
RT: 7.428 min Scan# 90
Delta R.T. -0.276 min
Lab File: BF142099.D
Acq: 26 Mar 2025 16:12

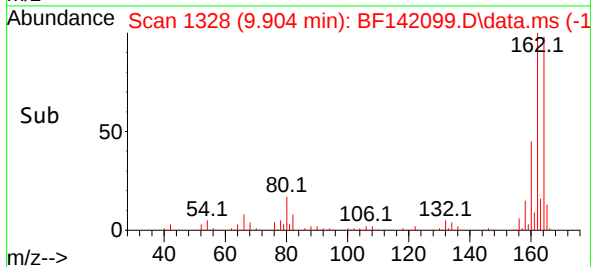
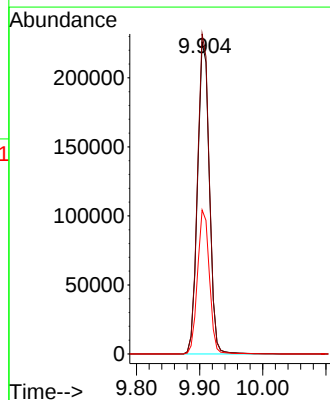
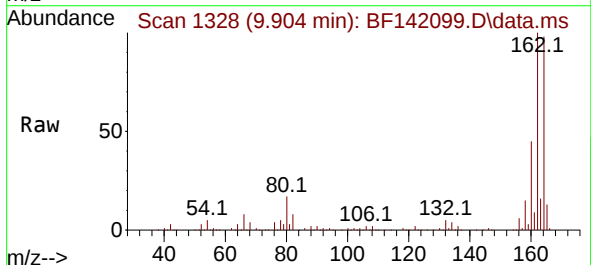
Instrument :
BNA_F
ClientSampleId :
WC-5

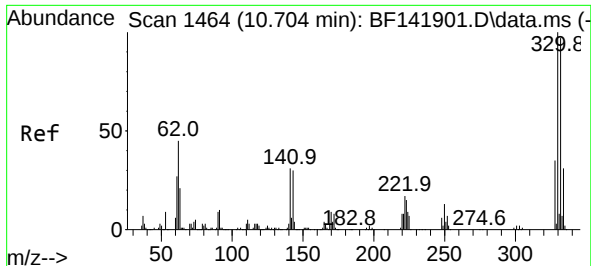
Tgt Ion: 82 Resp: 755137
Ion Ratio Lower Upper
82 100
95 0.0 6.4 9.6#
138 0.0 14.9 22.3#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.904 min Scan# 1328
Delta R.T. -0.012 min
Lab File: BF142099.D
Acq: 26 Mar 2025 16:12

Tgt Ion:164 Resp: 293402
Ion Ratio Lower Upper
164 100
162 102.5 81.8 122.6
160 46.1 36.7 55.1





#42

2,4,6-Tribromophenol

Concen: 128.656 ng

RT: 10.698 min Scan# 1463

Delta R.T. -0.006 min

Lab File: BF142099.D

Acq: 26 Mar 2025 16:12

Instrument :

BNA_F

ClientSampleId :

WC-5

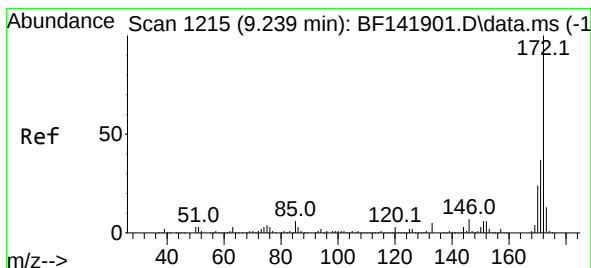
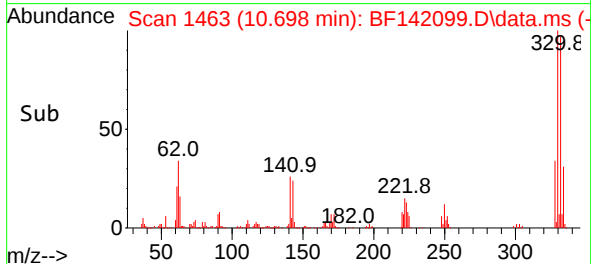
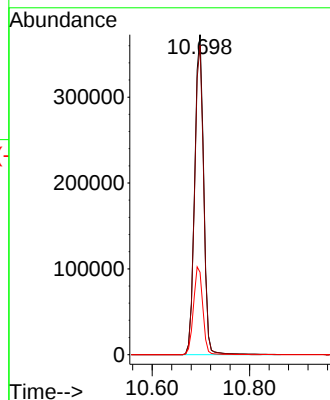
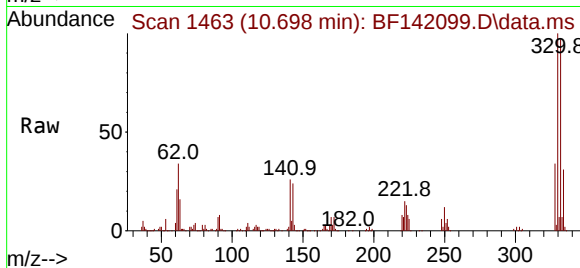
Tgt Ion:330 Resp: 478882

Ion Ratio Lower Upper

330 100

332 97.1 77.6 116.4

141 28.3 24.7 37.1



#45

2-Fluorobiphenyl

Concen: 82.056 ng

RT: 9.228 min Scan# 1213

Delta R.T. -0.012 min

Lab File: BF142099.D

Acq: 26 Mar 2025 16:12

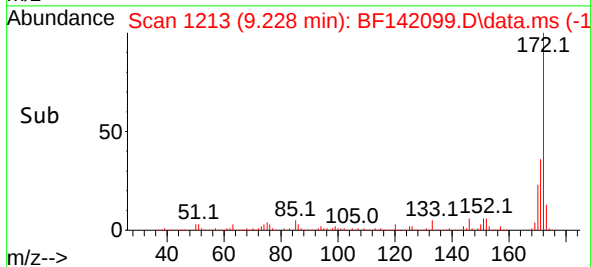
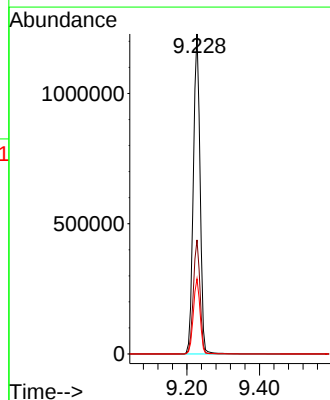
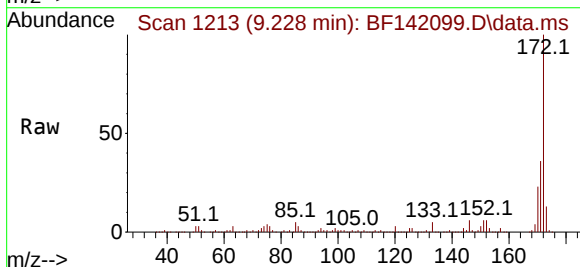
Tgt Ion:172 Resp: 1583071

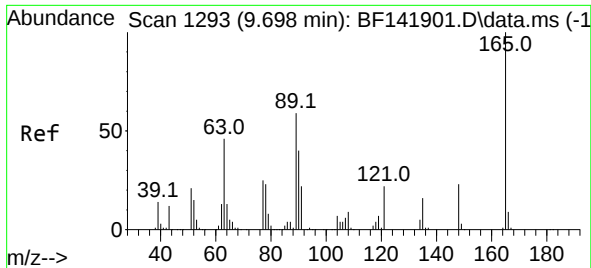
Ion Ratio Lower Upper

172 100

171 35.7 29.3 43.9

170 23.5 19.4 29.0

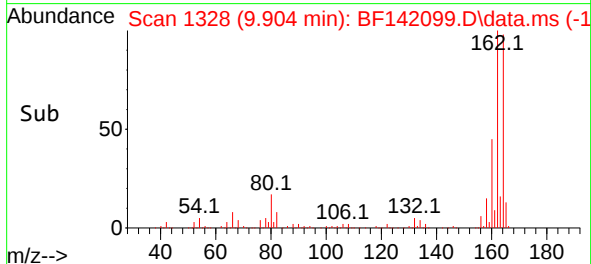
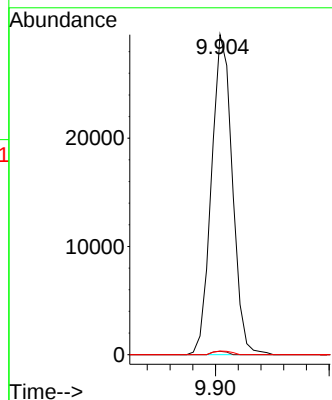
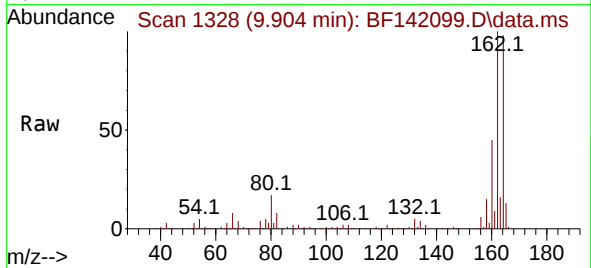




#51
2,6-Dinitrotoluene
Concen: 8.838 ng
RT: 9.904 min Scan# 11
Delta R.T. 0.206 min
Lab File: BF142099.D
Acq: 26 Mar 2025 16:12

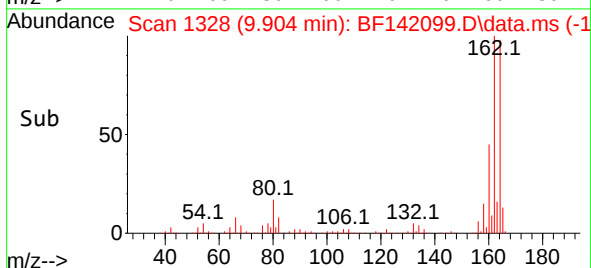
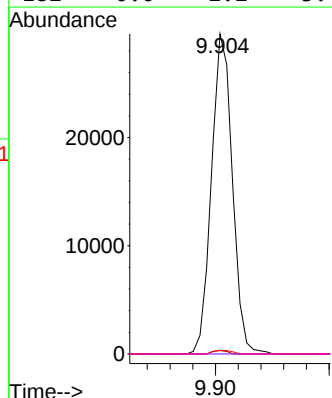
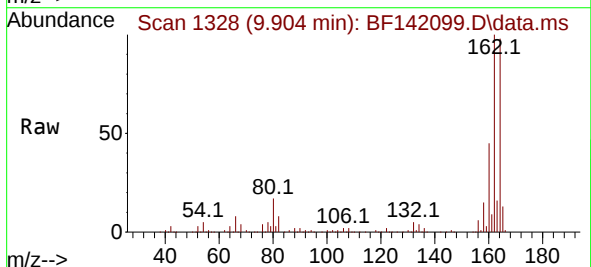
Instrument :
BNA_F
ClientSampleId :
WC-5

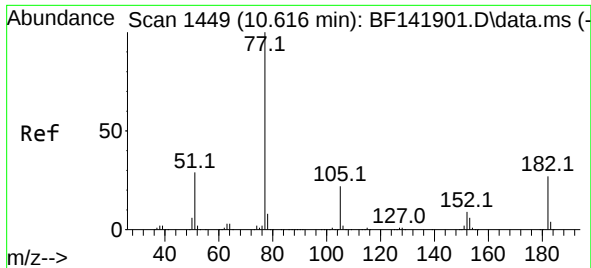
Tgt Ion:165 Resp: 37810
Ion Ratio Lower Upper
165 100
63 1.1 47.0 70.4#
89 1.1 47.4 71.2#



#57
2,4-Dinitrotoluene
Concen: 6.767 ng
RT: 9.904 min Scan# 1328
Delta R.T. -0.200 min
Lab File: BF142099.D
Acq: 26 Mar 2025 16:12

Tgt Ion:165 Resp: 37810
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#

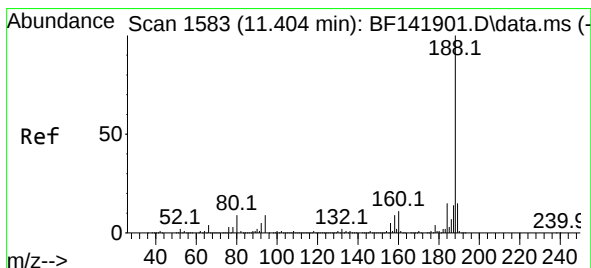
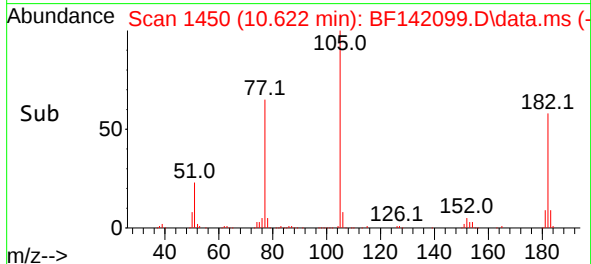
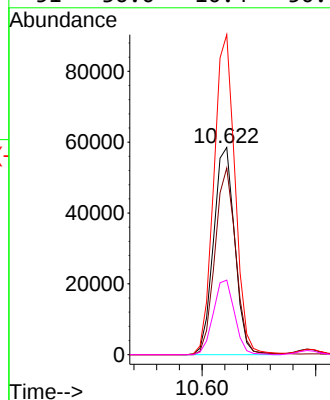
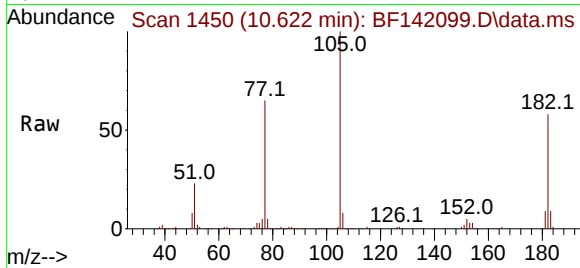




#63
Azobenzene
Concen: 4.000 ng
RT: 10.622 min Scan# 1449
Delta R.T. 0.006 min
Lab File: BF142099.D
Acq: 26 Mar 2025 16:12

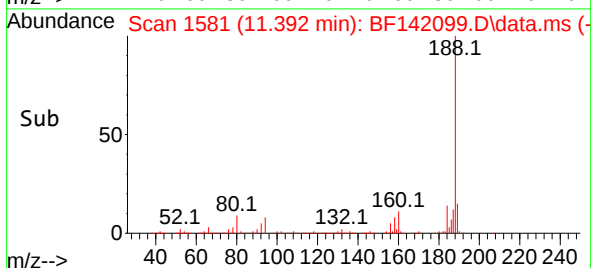
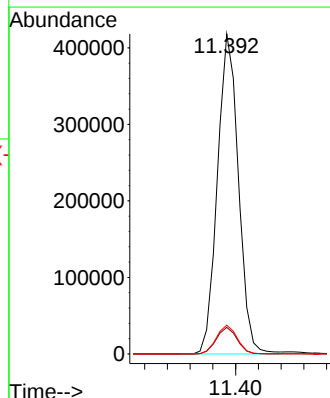
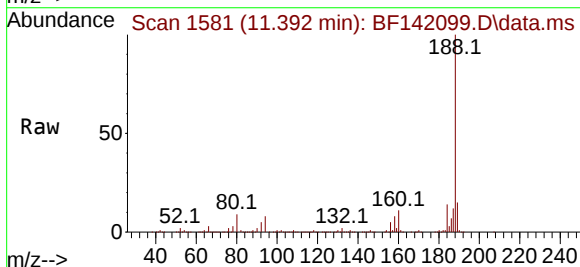
Instrument :
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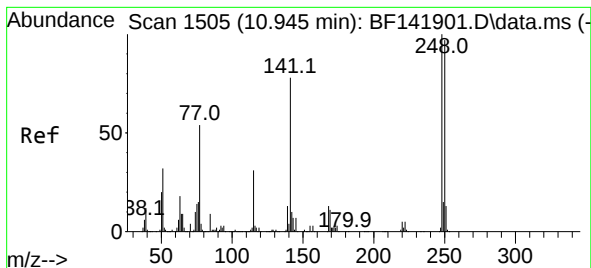
Tgt Ion: 77 Resp: 76181
Ion Ratio Lower Upper
77 100
182 90.1 6.6 46.6#
105 154.5 1.3 41.3#
51 36.0 10.4 50.4



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.392 min Scan# 1581
Delta R.T. -0.012 min
Lab File: BF142099.D
Acq: 26 Mar 2025 16:12

Tgt Ion: 188 Resp: 537705
Ion Ratio Lower Upper
188 100
94 8.3 6.8 10.2
80 9.0 7.6 11.4

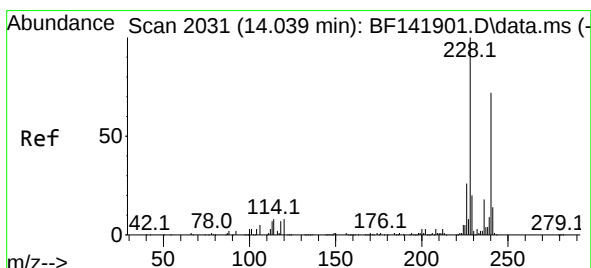
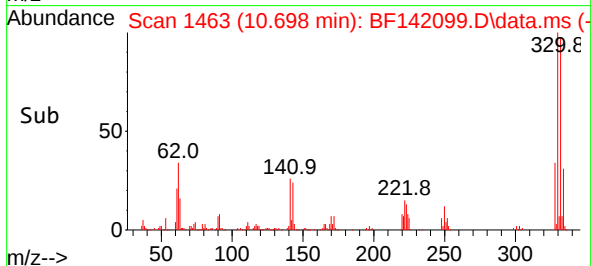
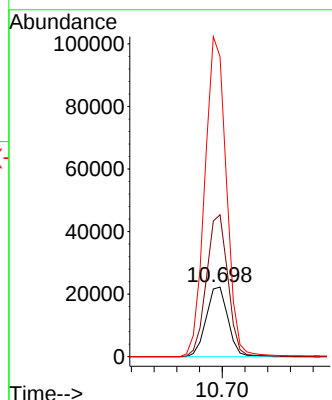
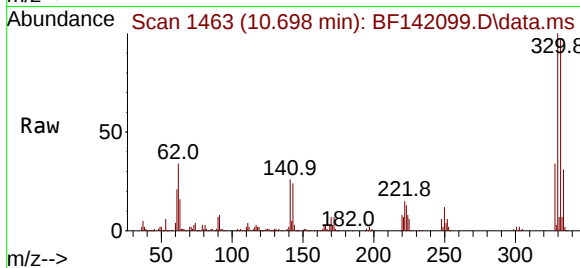




#67
4-Bromophenyl-phenylether
Concen: 4.384 ng
RT: 10.698 min Scan# 14
Delta R.T. -0.247 min
Lab File: BF142099.D
Acq: 26 Mar 2025 16:12

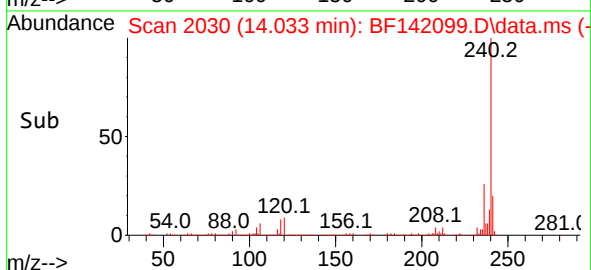
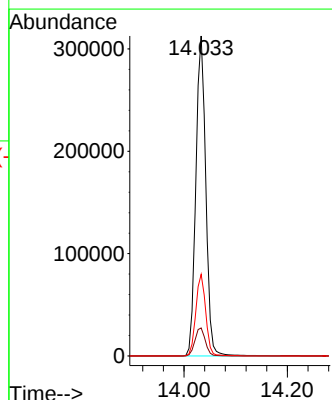
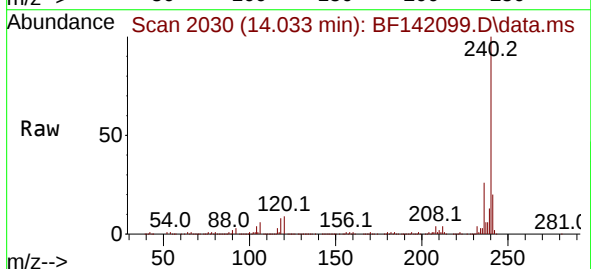
Instrument :
BNA_F
ClientSampleId :
WC-5

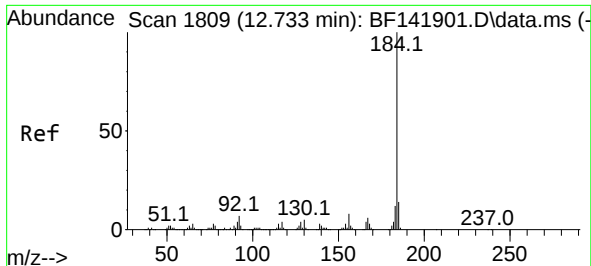
Tgt Ion:248 Resp: 29603
Ion Ratio Lower Upper
248 100
250 203.7 77.8 116.8#
141 430.6 62.6 93.8#



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.033 min Scan# 2030
Delta R.T. -0.006 min
Lab File: BF142099.D
Acq: 26 Mar 2025 16:12

Tgt Ion:240 Resp: 416947
Ion Ratio Lower Upper
240 100
120 8.8 8.4 12.6
236 25.5 20.5 30.7

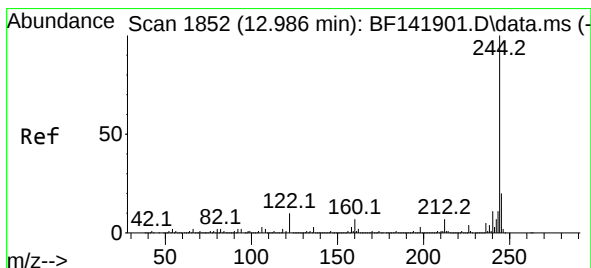
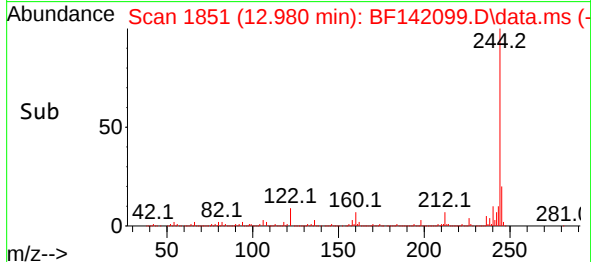
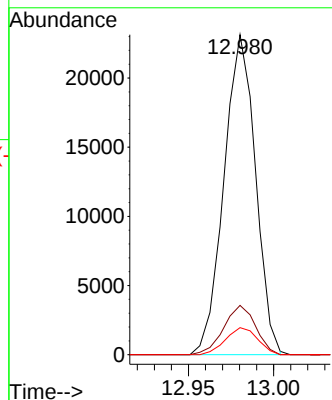
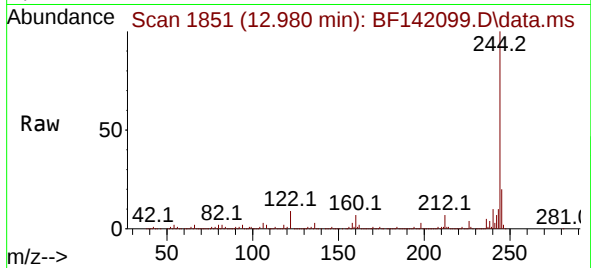




#77
Benzidine
Concen: 5.109 ng
RT: 12.980 min Scan# 1851
Delta R.T. 0.247 min
Lab File: BF142099.D
Acq: 26 Mar 2025 16:12

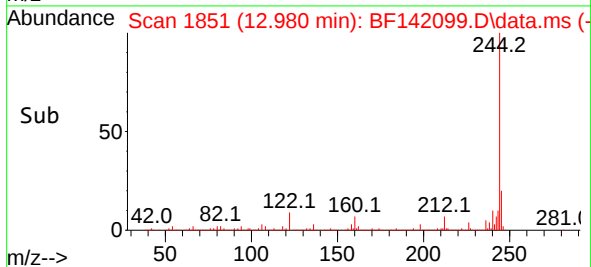
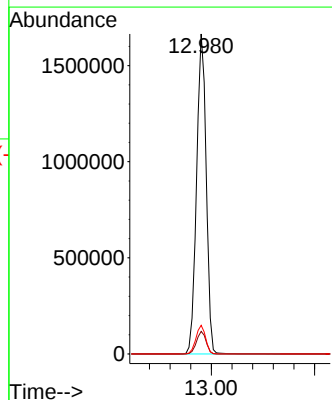
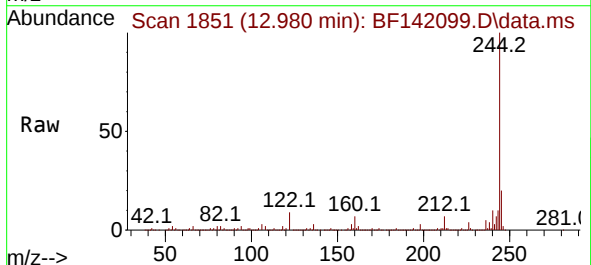
Instrument :
BNA_F
ClientSampleId :
WC-5

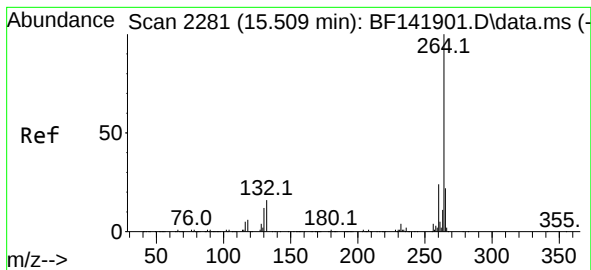
Tgt Ion:184 Resp: 29720
Ion Ratio Lower Upper
184 100
185 15.4 11.5 17.3
183 8.5 9.7 14.5#



#79
Terphenyl-d14
Concen: 76.228 ng
RT: 12.980 min Scan# 1851
Delta R.T. -0.006 min
Lab File: BF142099.D
Acq: 26 Mar 2025 16:12

Tgt Ion:244 Resp: 2149757
Ion Ratio Lower Upper
244 100
212 7.1 6.0 9.0
122 8.9 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: BF142099.D

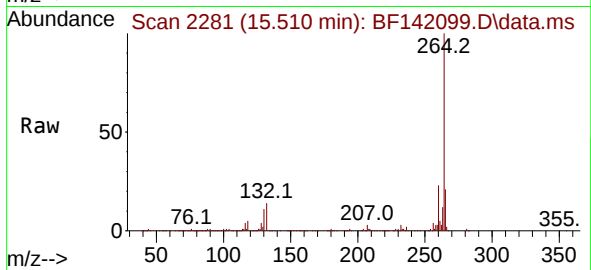
Acq: 26 Mar 2025 16:12

Instrument :

BNA_F

ClientSampleId :

WC-5



Tgt Ion:264 Resp: 321659

Ion Ratio Lower Upper

264 100

260 23.1 19.1 28.7

265 20.7 17.5 26.3

