

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF060625\
 Data File : BF142656.D
 Acq On : 06 Jun 2025 20:02
 Operator : RC/JU
 Sample : Q2208-10
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 BU-703-COMP-07

Quant Time: Jun 06 22:57:09 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF052025.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue May 20 16:26:47 2025
 Response via : Initial Calibration

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

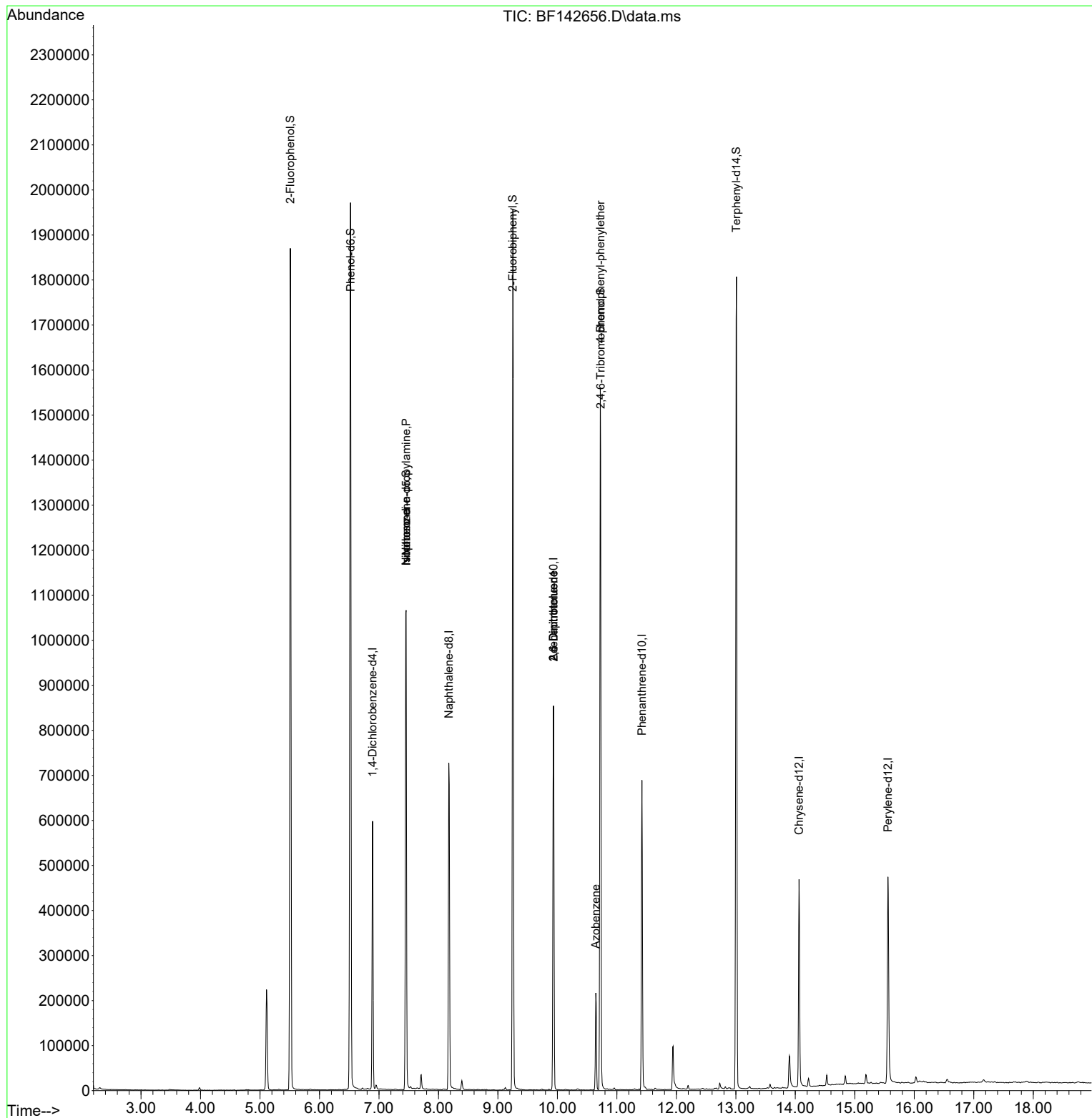
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.892	152	129973	20.000	ng	-0.01
21) Naphthalene-d8	8.175	136	478809	20.000	ng	-0.01
39) Acenaphthene-d10	9.933	164	254461	20.000	ng	-0.01
64) Phenanthrene-d10	11.422	188	372011	20.000	ng	-0.01
76) Chrysene-d12	14.063	240	242730	20.000	ng	-0.01
86) Perylene-d12	15.557	264	285920	20.000	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.510	112	750699	97.308	ng	0.00
7) Phenol-d6	6.522	99	1025097	110.385	ng	-0.01
23) Nitrobenzene-d5	7.457	82	484386	55.164	ng	-0.02
42) 2,4,6-Tribromophenol	10.727	330	293300	103.853	ng	-0.01
45) 2-Fluorobiphenyl	9.251	172	882107	46.517	ng	-0.02
79) Terphenyl-d14	13.010	244	921854	51.899	ng	0.00
Target Compounds						
						Qvalue
19) n-Nitroso-di-n-propyla...	7.457	70	63198	10.981	ng	# 76
25) Isophorone	7.457	82	468695	31.925	ng	# 63
51) 2,6-Dinitrotoluene	9.933	165	33273	9.182	ng	# 27
57) 2,4-Dinitrotoluene	9.933	165	33273	7.031	ng	# 28
63) Azobenzene	10.645	77	51254	3.480	ng	# 1
67) 4-Bromophenyl-phenylether	10.722	248	17769	4.040	ng	# 1

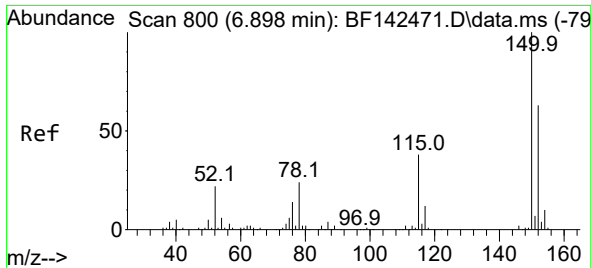
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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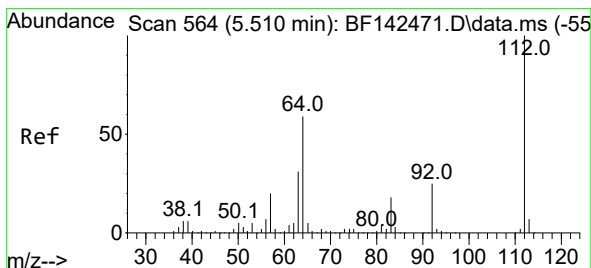
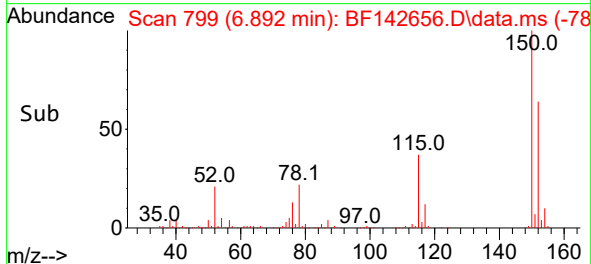
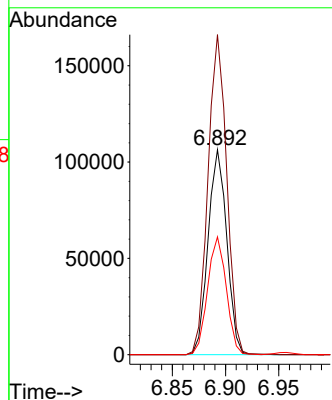
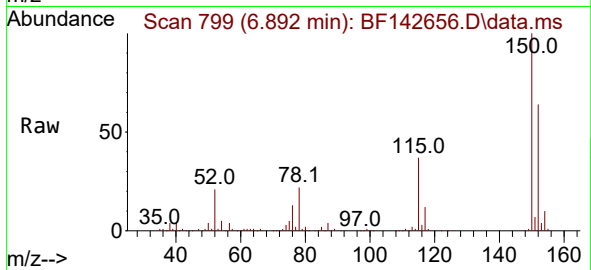




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.892 min Scan# 79
Delta R.T. -0.012 min
Lab File: BF142656.D
Acq: 06 Jun 2025 20:02

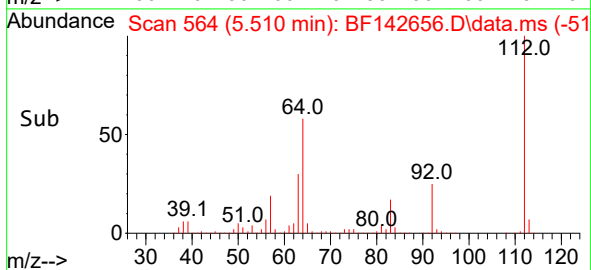
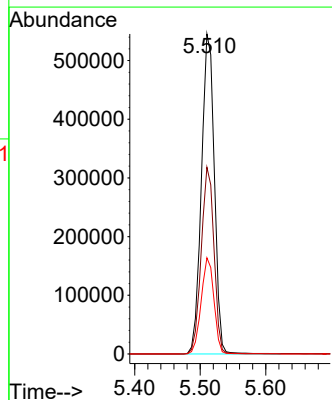
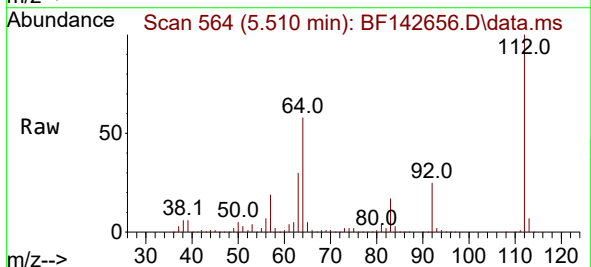
Instrument :
BNA_F
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BU-703-COMP-07

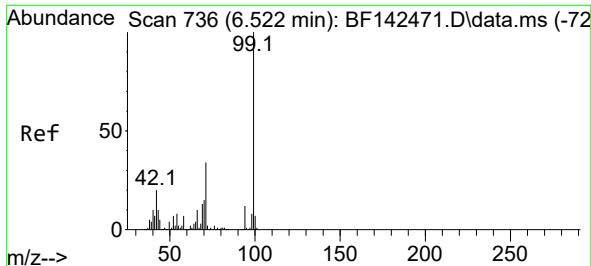
Tgt Ion:152 Resp: 129973
Ion Ratio Lower Upper
152 100
150 156.1 128.2 192.4
115 57.4 48.3 72.5



#5
2-Fluorophenol
Concen: 97.308 ng
RT: 5.510 min Scan# 564
Delta R.T. -0.006 min
Lab File: BF142656.D
Acq: 06 Jun 2025 20:02

Tgt Ion:112 Resp: 750699
Ion Ratio Lower Upper
112 100
64 58.4 47.5 71.3
63 30.1 24.9 37.3





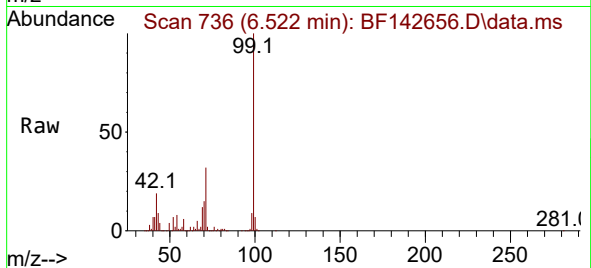
#7
Phenol-d6
Concen: 110.385 ng
RT: 6.522 min Scan# 71
Delta R.T. -0.012 min
Lab File: BF142656.D
Acq: 06 Jun 2025 20:02

Instrument :

BNA_F

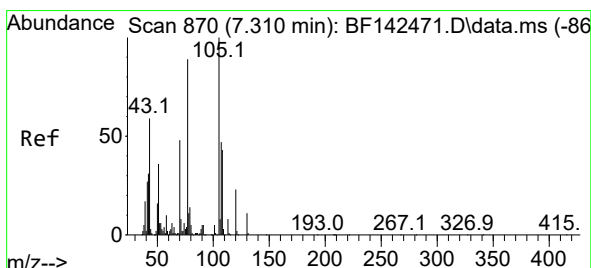
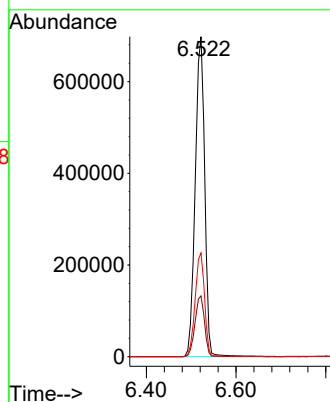
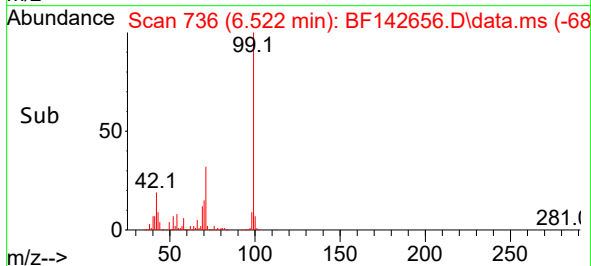
ClientSampleId :

BU-703-COMP-07

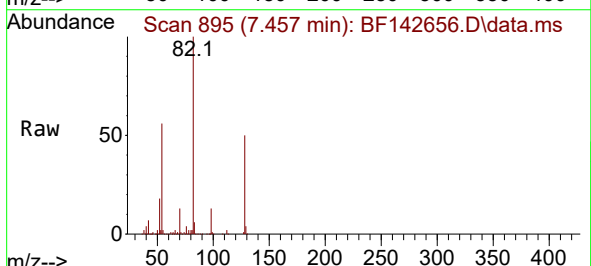


Tgt Ion: 99 Resp: 1025097

Ion	Ratio	Lower	Upper
99	100		
42	19.0	16.2	24.2
71	32.5	27.3	40.9

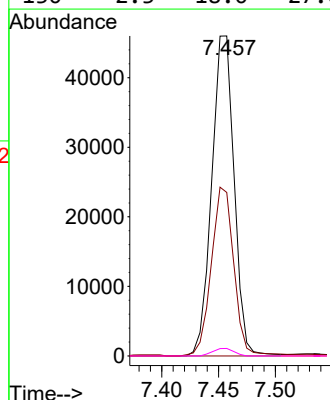
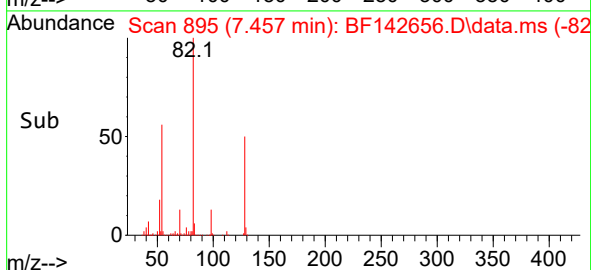


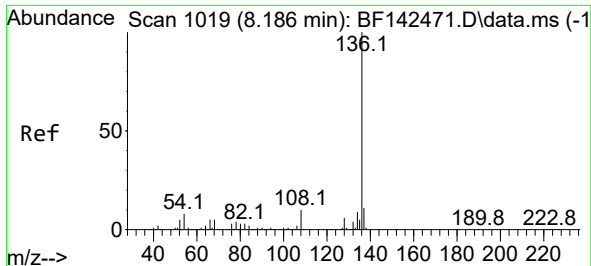
#19
n-Nitroso-di-n-propylamine
Concen: 10.981 ng
RT: 7.457 min Scan# 895
Delta R.T. 0.129 min
Lab File: BF142656.D
Acq: 06 Jun 2025 20:02



Tgt Ion: 70 Resp: 63198

Ion	Ratio	Lower	Upper
70	100		
42	51.1	52.4	78.6#
101	0.0	7.8	11.8#
130	2.3	18.0	27.0#

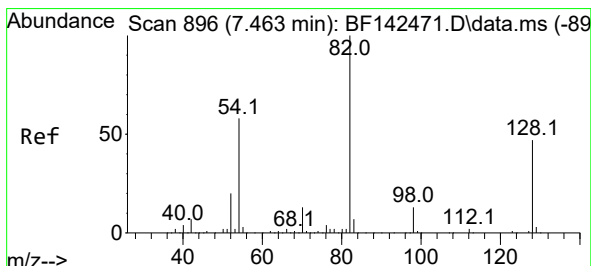
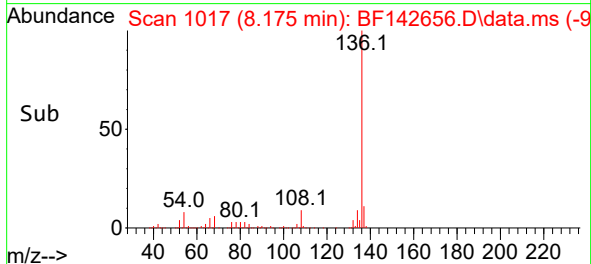
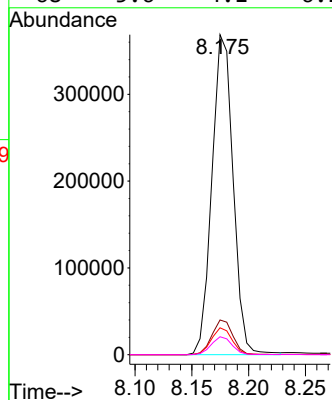
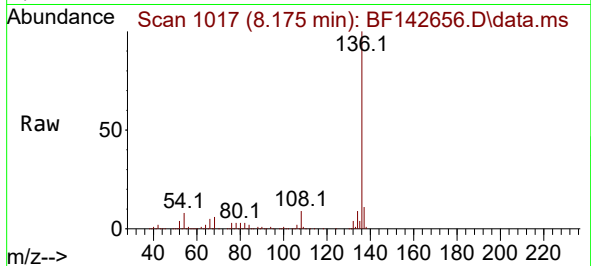




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.175 min Scan# 1017
Delta R.T. -0.012 min
Lab File: BF142656.D
Acq: 06 Jun 2025 20:02

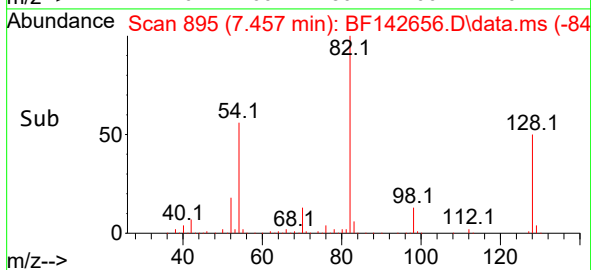
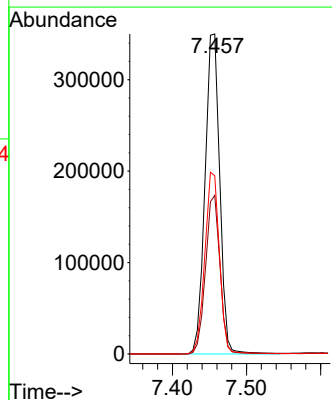
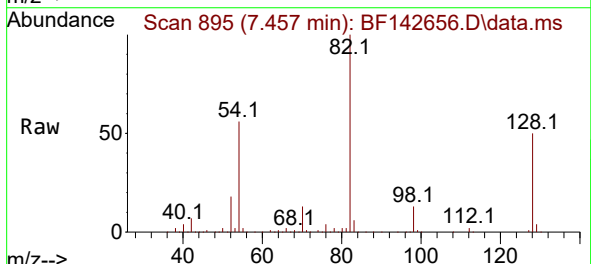
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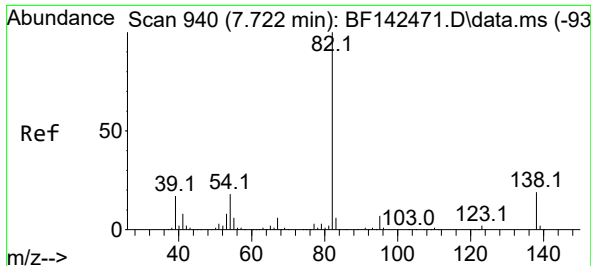
Tgt Ion:136 Resp: 478809
Ion Ratio Lower Upper
136 100
137 10.9 8.6 13.0
54 8.4 6.6 10.0
68 5.6 4.1 6.1



#23
Nitrobenzene-d5
Concen: 55.164 ng
RT: 7.457 min Scan# 895
Delta R.T. -0.018 min
Lab File: BF142656.D
Acq: 06 Jun 2025 20:02

Tgt Ion: 82 Resp: 484386
Ion Ratio Lower Upper
82 100
128 49.6 37.4 56.2
54 55.7 46.6 70.0

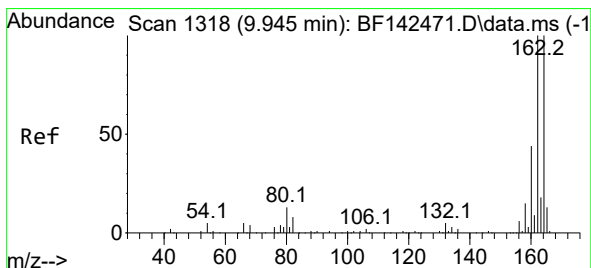
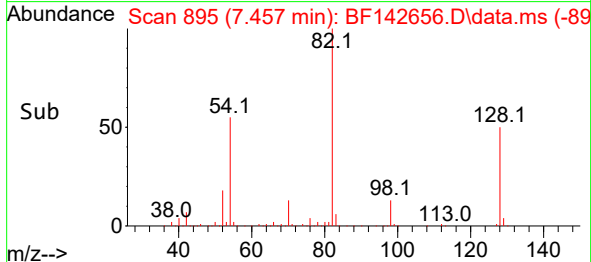
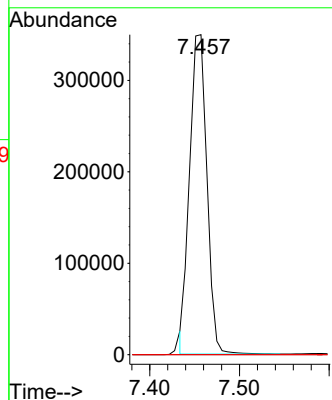
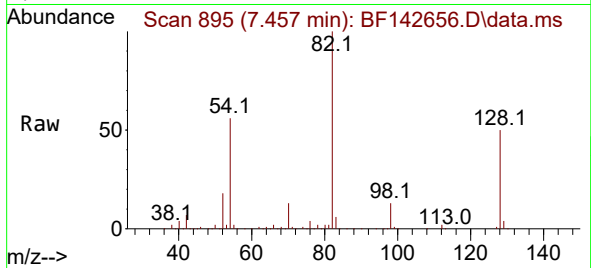




#25
Isophorone
Concen: 31.925 ng
RT: 7.457 min Scan# 89
Delta R.T. -0.276 min
Lab File: BF142656.D
Acq: 06 Jun 2025 20:02

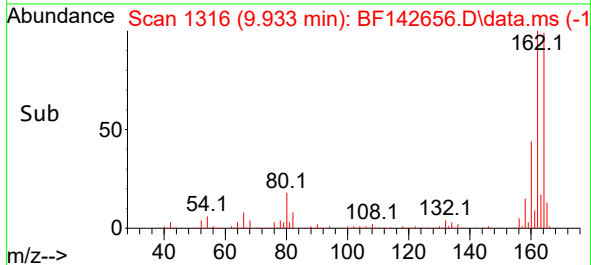
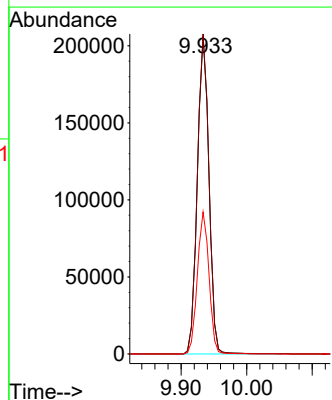
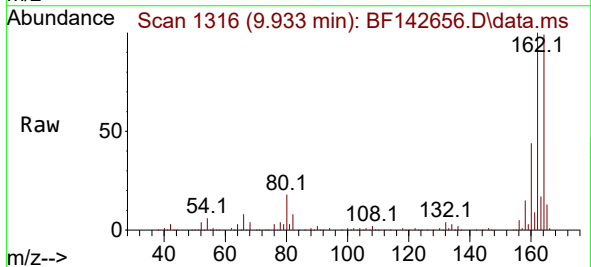
Instrument :
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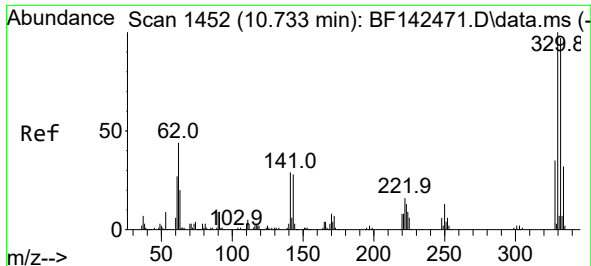
Tgt Ion: 82 Resp: 468695
Ion Ratio Lower Upper
82 100
95 0.0 6.0 9.0#
138 0.0 15.5 23.3#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.933 min Scan# 1316
Delta R.T. -0.012 min
Lab File: BF142656.D
Acq: 06 Jun 2025 20:02

Tgt Ion:164 Resp: 254461
Ion Ratio Lower Upper
164 100
162 100.7 80.2 120.4
160 44.6 35.6 53.4

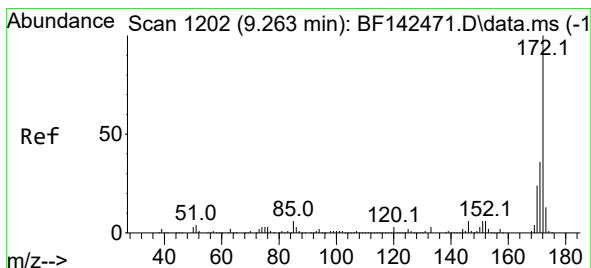
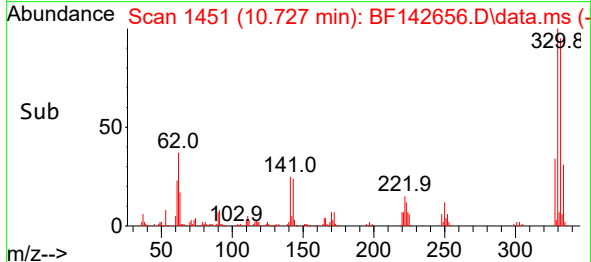
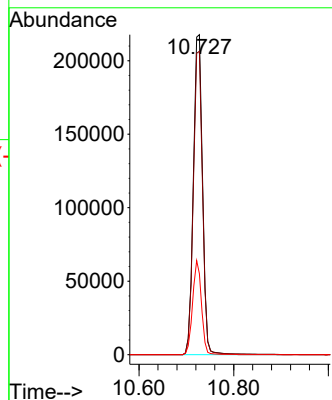
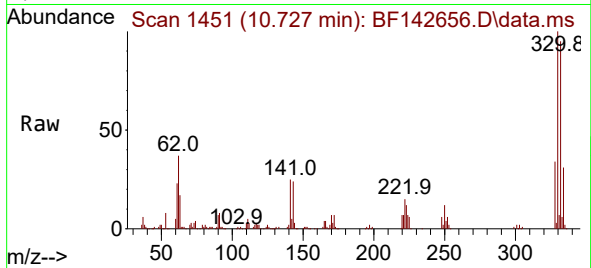




#42
2,4,6-Tribromophenol
Concen: 103.853 ng
RT: 10.727 min Scan# 1452
Delta R.T. -0.012 min
Lab File: BF142656.D
Acq: 06 Jun 2025 20:02

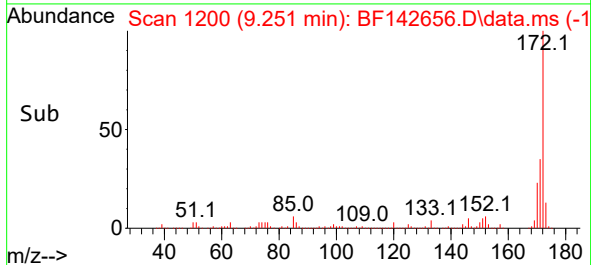
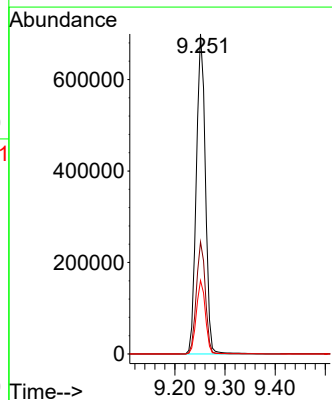
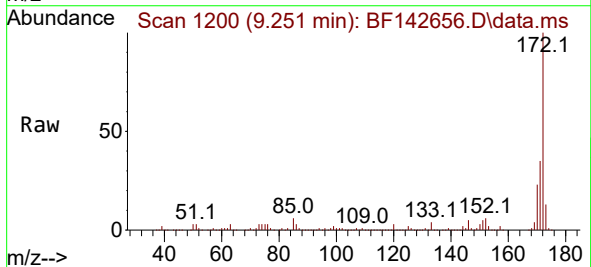
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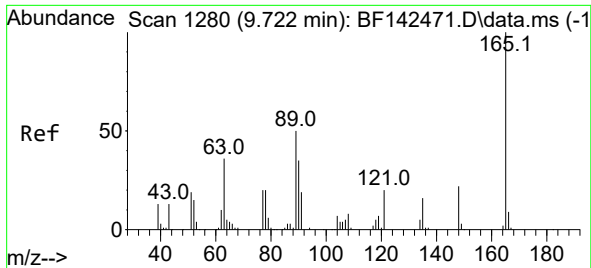
Tgt Ion:330 Resp: 293300
Ion Ratio Lower Upper
330 100
332 94.6 77.6 116.4
141 28.3 24.6 36.8



#45
2-Fluorobiphenyl
Concen: 46.517 ng
RT: 9.251 min Scan# 1200
Delta R.T. -0.018 min
Lab File: BF142656.D
Acq: 06 Jun 2025 20:02

Tgt Ion:172 Resp: 882107
Ion Ratio Lower Upper
172 100
171 35.0 28.6 42.8
170 23.0 18.9 28.3

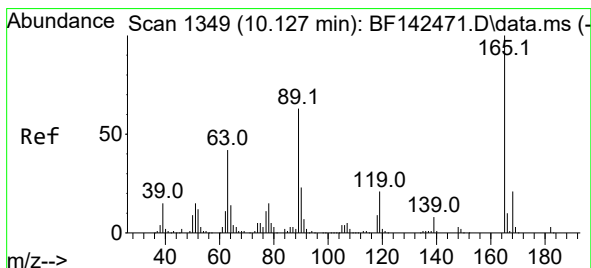
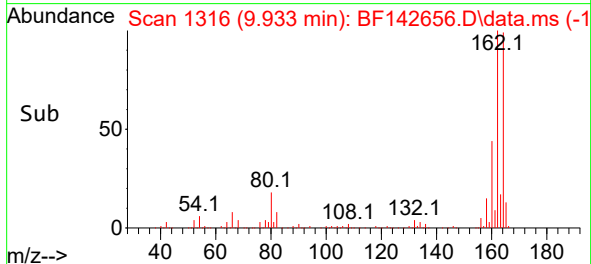
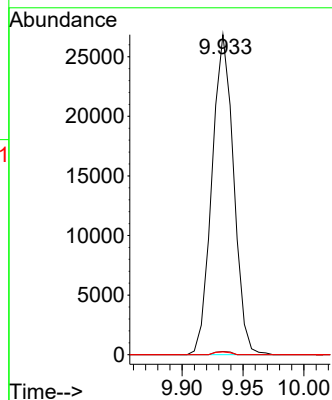
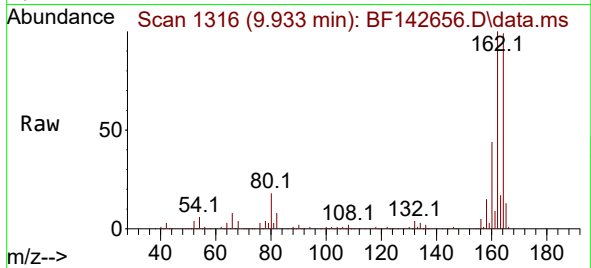




#51
2,6-Dinitrotoluene
Concen: 9.182 ng
RT: 9.933 min Scan# 11
Delta R.T. 0.206 min
Lab File: BF142656.D
Acq: 06 Jun 2025 20:02

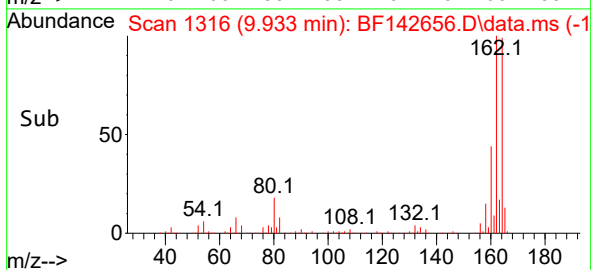
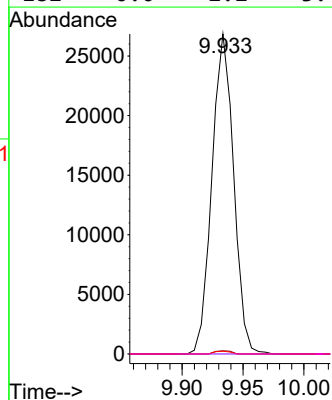
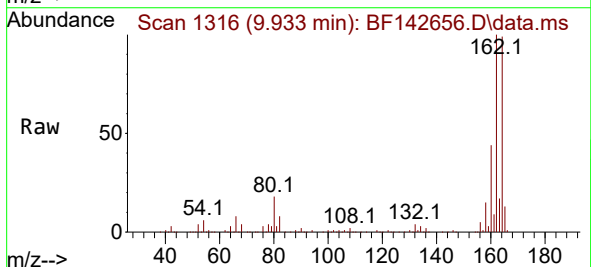
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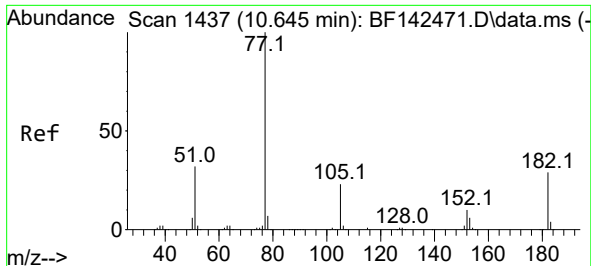
Tgt Ion:165 Resp: 33273
Ion Ratio Lower Upper
165 100
63 1.0 42.9 64.3#
89 0.8 40.2 60.4#



#57
2,4-Dinitrotoluene
Concen: 7.031 ng
RT: 9.933 min Scan# 1316
Delta R.T. -0.200 min
Lab File: BF142656.D
Acq: 06 Jun 2025 20:02

Tgt Ion:165 Resp: 33273
Ion Ratio Lower Upper
165 100
63 1.0 33.6 50.4#
89 0.8 50.2 75.4#
182 0.0 2.2 3.4#

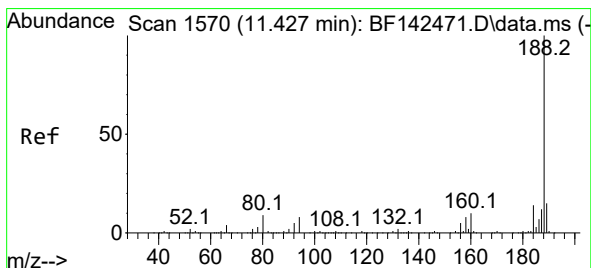
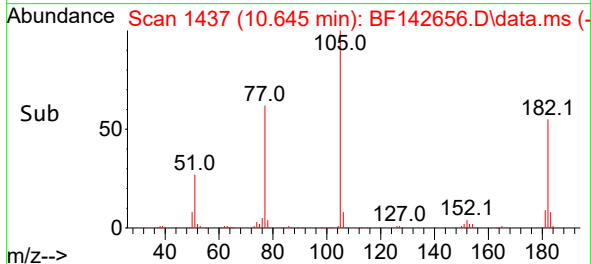
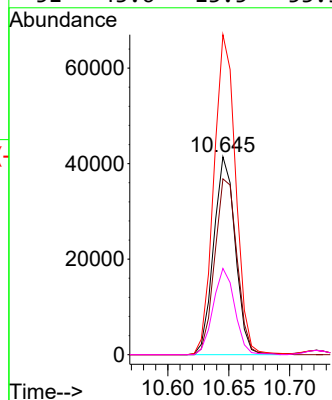
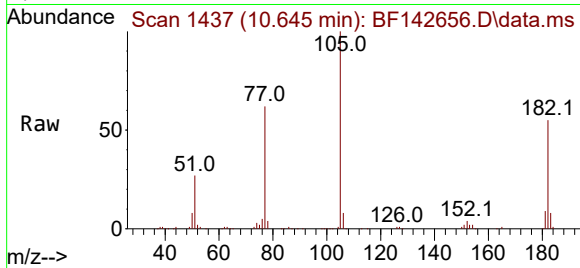




#63
Azobenzene
Concen: 3.480 ng
RT: 10.645 min Scan# 14
Delta R.T. 0.000 min
Lab File: BF142656.D
Acq: 06 Jun 2025 20:02

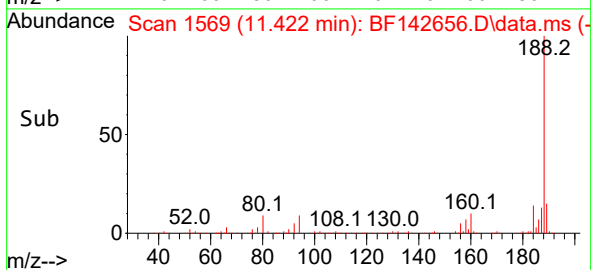
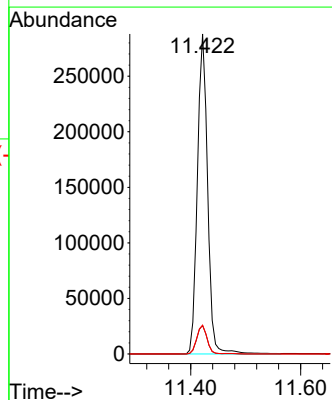
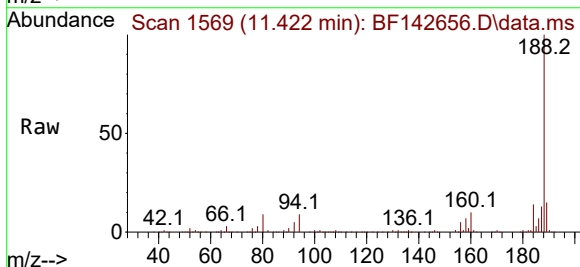
Instrument :
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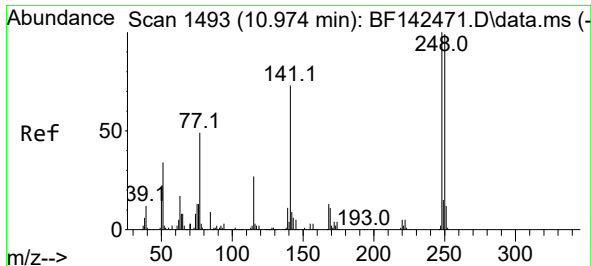
Tgt Ion: 77 Resp: 51254
Ion Ratio Lower Upper
77 100
182 88.9 9.0 49.0#
105 161.7 2.4 42.4#
51 43.6 13.5 53.5



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.422 min Scan# 1569
Delta R.T. -0.012 min
Lab File: BF142656.D
Acq: 06 Jun 2025 20:02

Tgt Ion: 188 Resp: 372011
Ion Ratio Lower Upper
188 100
94 8.9 6.6 10.0
80 9.0 7.4 11.0

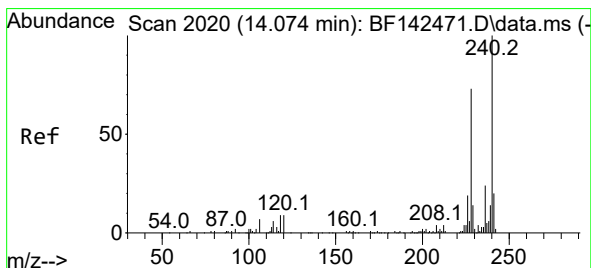
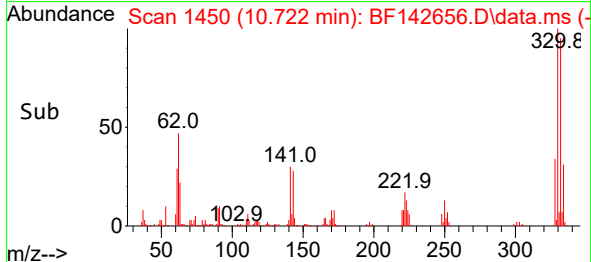
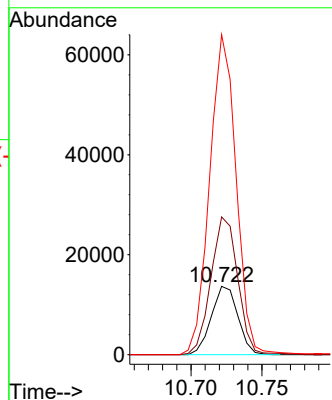
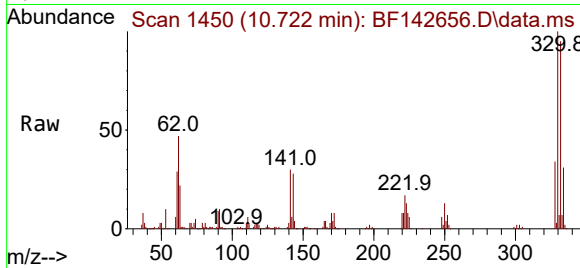




#67
4-Bromophenyl-phenylether
Concen: 4.040 ng
RT: 10.722 min Scan# 14
Delta R.T. -0.253 min
Lab File: BF142656.D
Acq: 06 Jun 2025 20:02

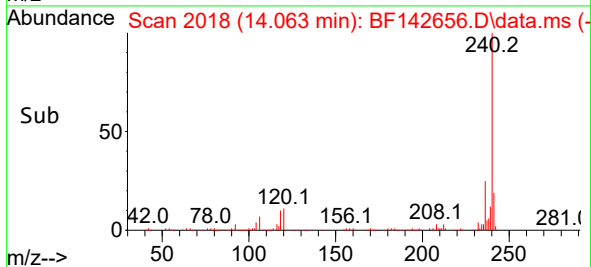
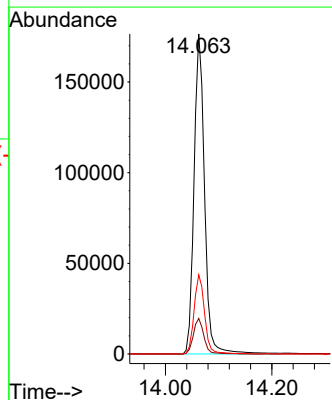
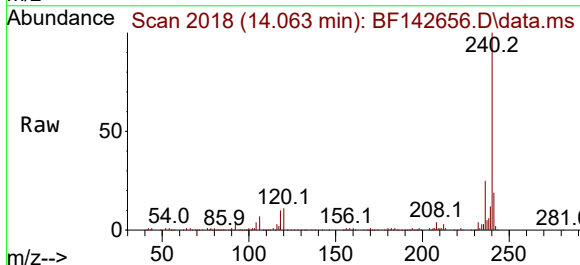
Instrument :
BNA_F
ClientSampleId :
BU-703-COMP-07

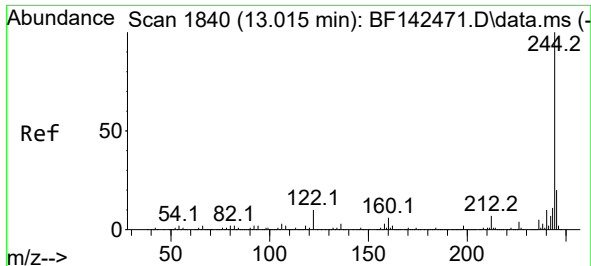
Tgt Ion:248 Resp: 17769
Ion Ratio Lower Upper
248 100
250 201.8 79.0 118.4#
141 468.9 58.4 87.6#



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.063 min Scan# 2018
Delta R.T. -0.012 min
Lab File: BF142656.D
Acq: 06 Jun 2025 20:02

Tgt Ion:240 Resp: 242730
Ion Ratio Lower Upper
240 100
120 11.1 7.5 11.3
236 24.8 19.6 29.4

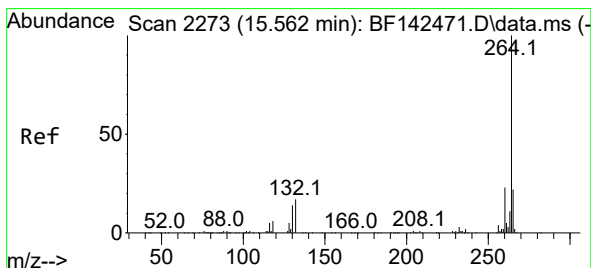
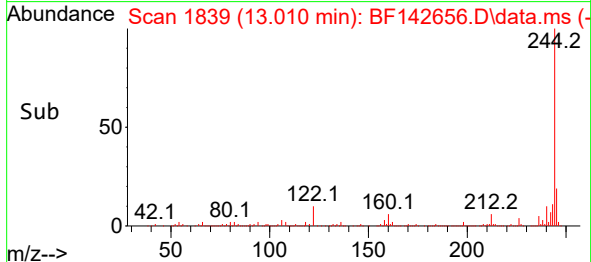
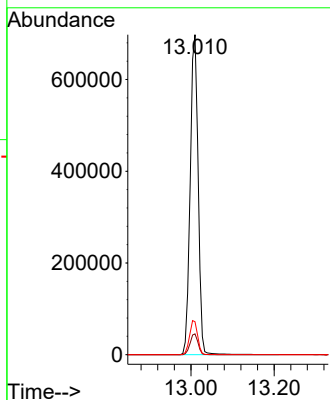
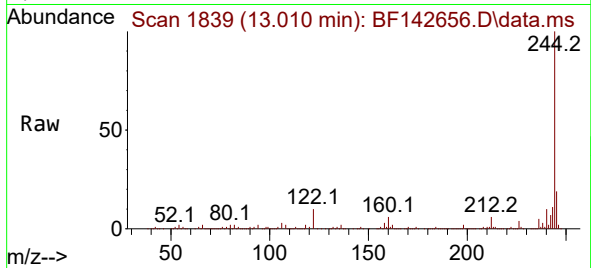




#79
 Terphenyl-d14
 Concen: 51.899 ng
 RT: 13.010 min Scan# 1839
 Delta R.T. -0.006 min
 Lab File: BF142656.D
 Acq: 06 Jun 2025 20:02

Instrument :
 BNA_F
 ClientSampleId :
 BU-703-COMP-07

Tgt Ion:244 Resp: 921854
 Ion Ratio Lower Upper
 244 100
 212 6.5 5.3 7.9
 122 10.3 8.2 12.2



#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.557 min Scan# 2272
 Delta R.T. -0.012 min
 Lab File: BF142656.D
 Acq: 06 Jun 2025 20:02

Tgt Ion:264 Resp: 285920
 Ion Ratio Lower Upper
 264 100
 260 23.3 18.6 28.0
 265 21.2 17.7 26.5

