

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF060625\
 Data File : BF142675.D
 Acq On : 07 Jun 2025 07:03
 Operator : RC/JU
 Sample : Q2228-01
 Misc :
 ALS Vial : 36 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TP08-MHI-WC

Quant Time: Jun 09 01:02:40 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)

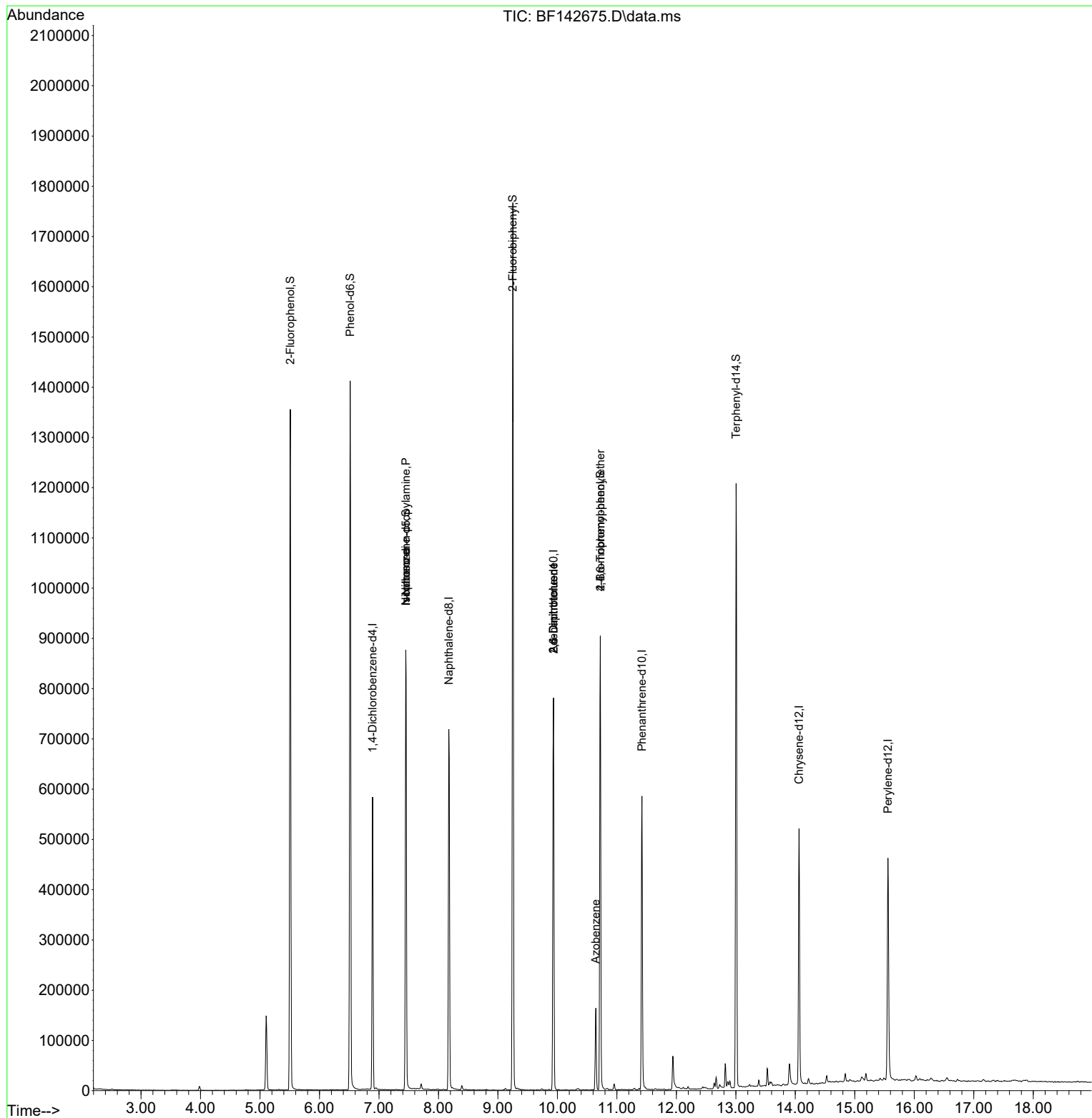
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.892	152	125961	20.000	ng	-0.01
21) Naphthalene-d8	8.175	136	468705	20.000	ng	-0.01
39) Acenaphthene-d10	9.933	164	234475	20.000	ng	-0.01
64) Phenanthrene-d10	11.422	188	317665	20.000	ng	-0.01
76) Chrysene-d12	14.063	240	255550	20.000	ng	-0.01
86) Perylene-d12	15.557	264	269445	20.000	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.510	112	527440	70.546	ng	0.00
7) Phenol-d6	6.516	99	673972	74.886	ng	-0.02
23) Nitrobenzene-d5	7.451	82	384528	44.736	ng	-0.02
42) 2,4,6-Tribromophenol	10.722	330	162460	62.428	ng	-0.02
45) 2-Fluorobiphenyl	9.251	172	792846	45.373	ng	-0.02
79) Terphenyl-d14	13.004	244	598781	32.020	ng	-0.01
Target Compounds						Qvalue
19) n-Nitroso-di-n-propyla...	7.451	70	51270	9.192	ng	# 77
25) Isophorone	7.451	82	369896	25.739	ng	# 63
51) 2,6-Dinitrotoluene	9.933	165	30468	9.124	ng	# 27
57) 2,4-Dinitrotoluene	9.933	165	30468	6.987	ng	# 28
63) Azobenzene	10.645	77	38763	2.856	ng	# 1
67) 4-Bromophenyl-phenylether	10.722	248	10123	2.695	ng	# 1

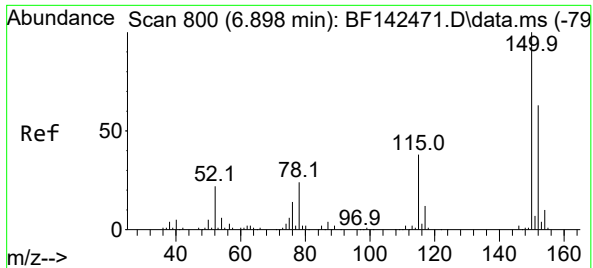
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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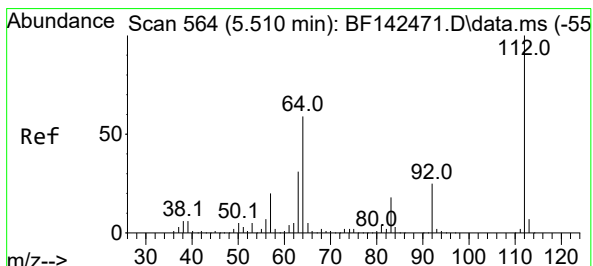
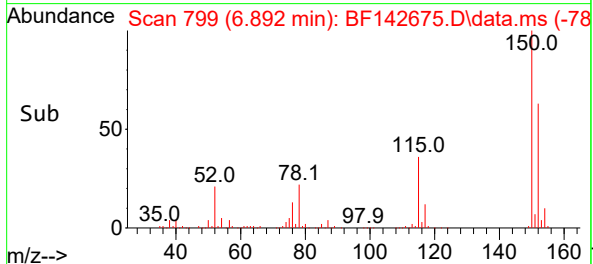
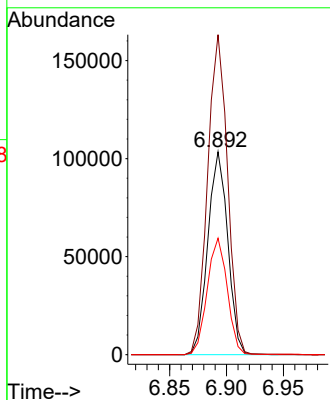
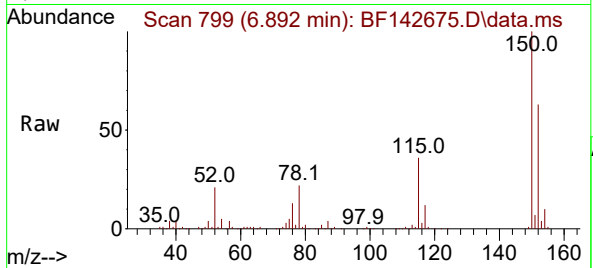




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.892 min Scan# 79
Delta R.T. -0.012 min
Lab File: BF142675.D
Acq: 07 Jun 2025 07:03

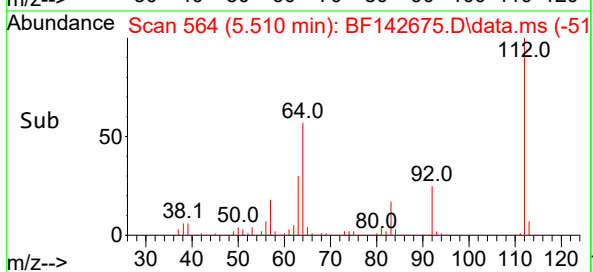
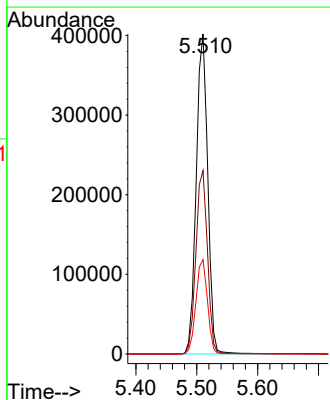
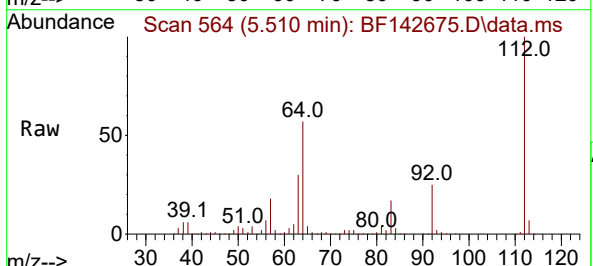
Instrument :
BNA_F
ClientSampleId :
TP08-MHI-WC

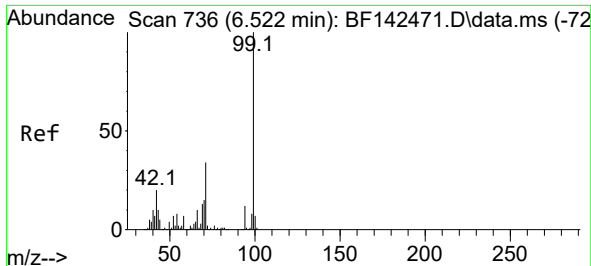
Tgt Ion:152 Resp: 125961
Ion Ratio Lower Upper
152 100
150 157.8 128.2 192.4
115 57.5 48.3 72.5



#5
2-Fluorophenol
Concen: 70.546 ng
RT: 5.510 min Scan# 564
Delta R.T. -0.006 min
Lab File: BF142675.D
Acq: 07 Jun 2025 07:03

Tgt Ion:112 Resp: 527440
Ion Ratio Lower Upper
112 100
64 57.3 47.5 71.3
63 29.5 24.9 37.3

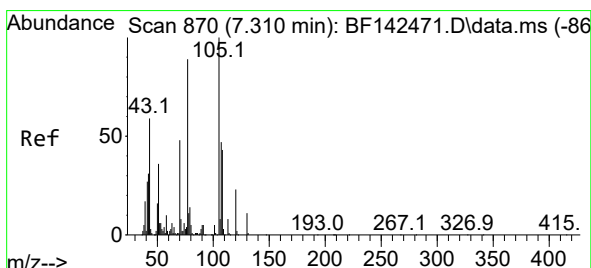
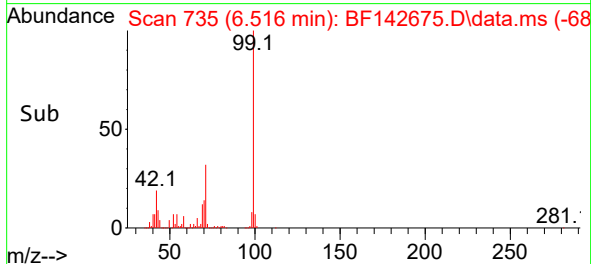
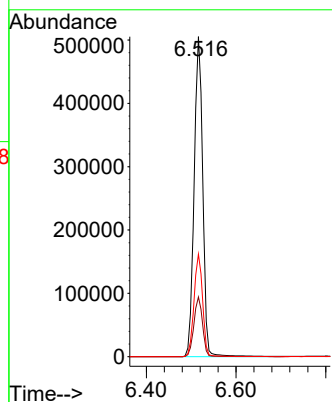
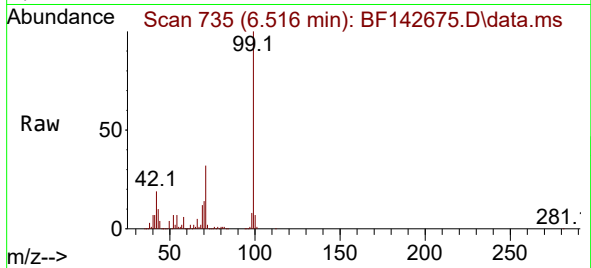




#7
Phenol-d6
Concen: 74.886 ng
RT: 6.516 min Scan# 71
Delta R.T. -0.018 min
Lab File: BF142675.D
Acq: 07 Jun 2025 07:03

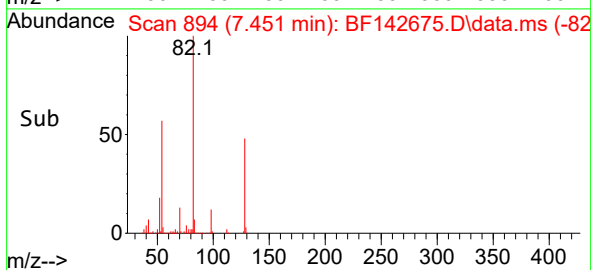
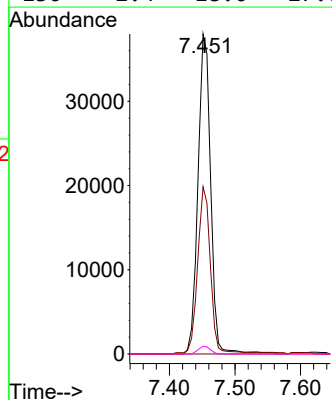
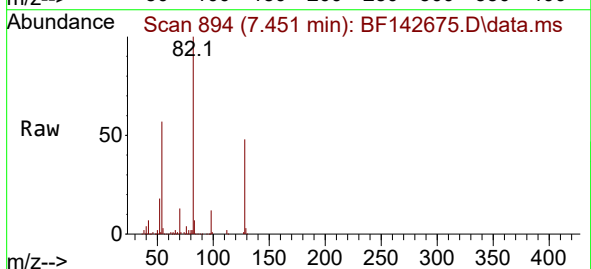
Instrument :
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ClientSampleId :
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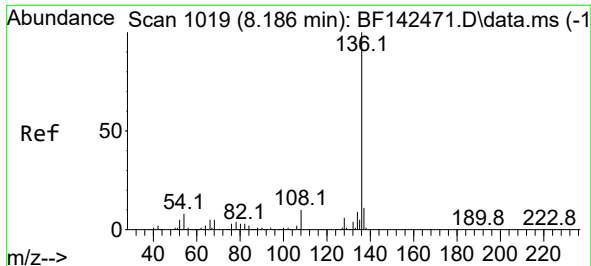
Tgt Ion: 99 Resp: 673972
Ion Ratio Lower Upper
99 100
42 18.7 16.2 24.2
71 32.1 27.3 40.9



#19
n-Nitroso-di-n-propylamine
Concen: 9.192 ng
RT: 7.451 min Scan# 894
Delta R.T. 0.124 min
Lab File: BF142675.D
Acq: 07 Jun 2025 07:03

Tgt Ion: 70 Resp: 51270
Ion Ratio Lower Upper
70 100
42 52.2 52.4 78.6#
101 0.0 7.8 11.8#
130 2.4 18.0 27.0#

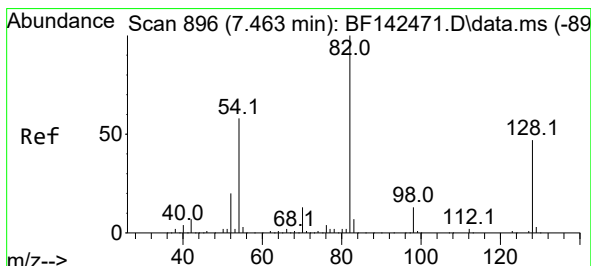
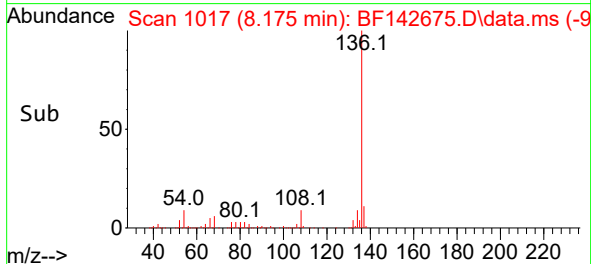
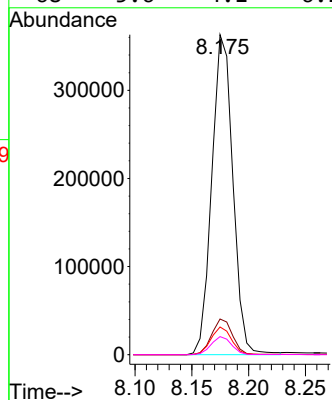
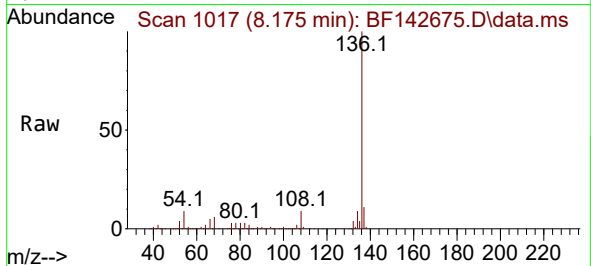




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.175 min Scan# 1017
Delta R.T. -0.012 min
Lab File: BF142675.D
Acq: 07 Jun 2025 07:03

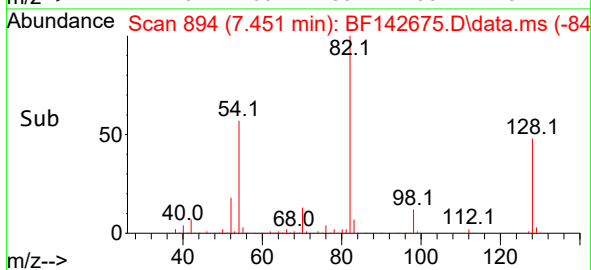
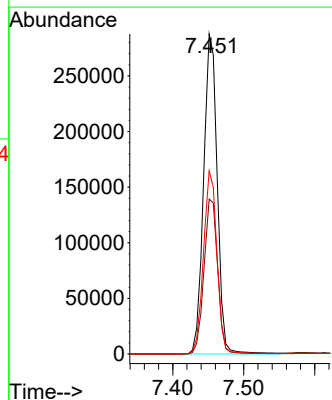
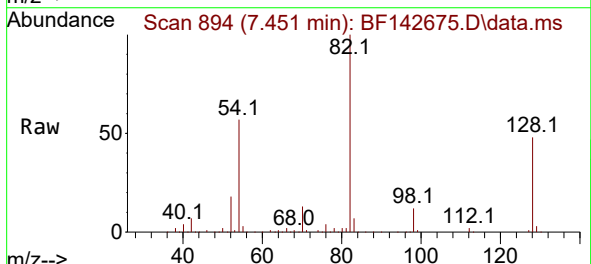
Instrument :
BNA_F
ClientSampleId :
TP08-MHI-WC

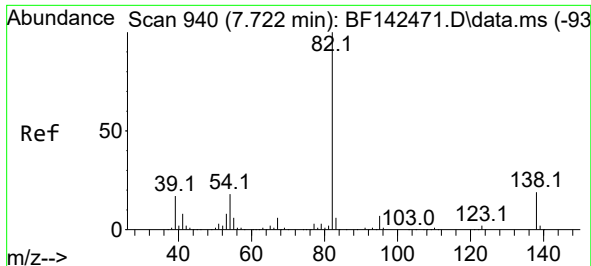
Tgt Ion:136 Resp: 468705
Ion Ratio Lower Upper
136 100
137 11.2 8.6 13.0
54 8.6 6.6 10.0
68 5.6 4.1 6.1



#23
Nitrobenzene-d5
Concen: 44.736 ng
RT: 7.451 min Scan# 894
Delta R.T. -0.023 min
Lab File: BF142675.D
Acq: 07 Jun 2025 07:03

Tgt Ion: 82 Resp: 384528
Ion Ratio Lower Upper
82 100
128 48.4 37.4 56.2
54 57.2 46.6 70.0

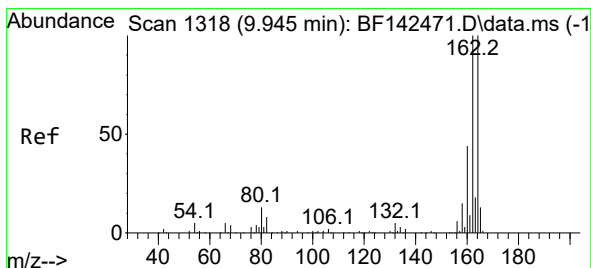
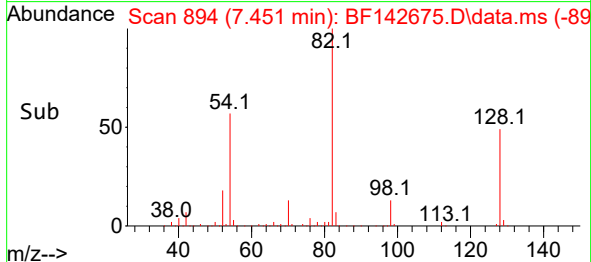
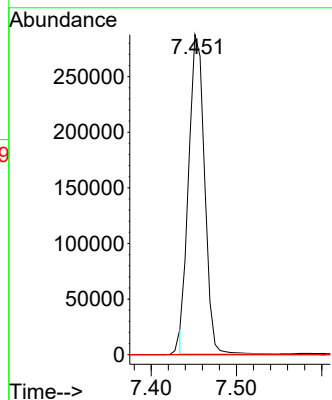
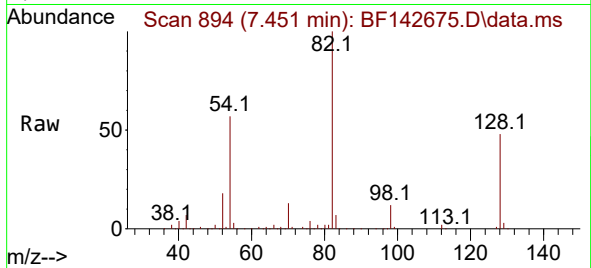




#25
Isophorone
Concen: 25.739 ng
RT: 7.451 min Scan# 894
Delta R.T. -0.282 min
Lab File: BF142675.D
Acq: 07 Jun 2025 07:03

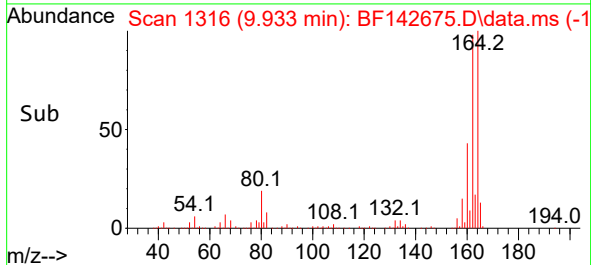
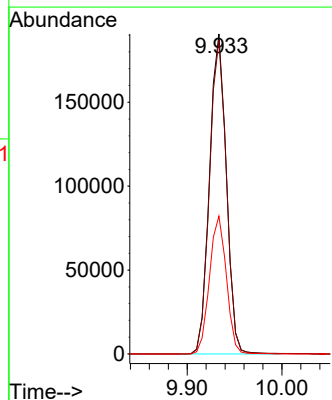
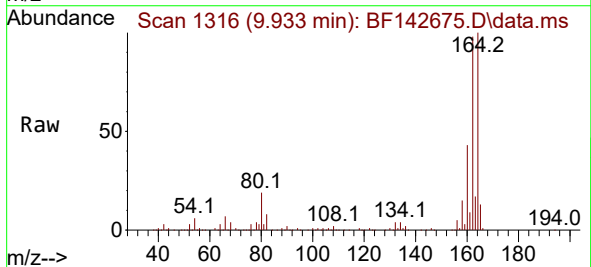
Instrument :
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ClientSampleId :
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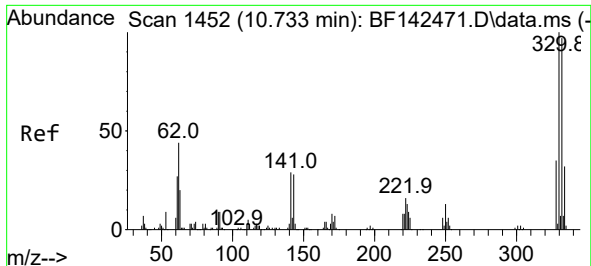
Tgt Ion: 82 Resp: 369896
Ion Ratio Lower Upper
82 100
95 0.0 6.0 9.0#
138 0.0 15.5 23.3#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.933 min Scan# 1316
Delta R.T. -0.012 min
Lab File: BF142675.D
Acq: 07 Jun 2025 07:03

Tgt Ion:164 Resp: 234475
Ion Ratio Lower Upper
164 100
162 98.0 80.2 120.4
160 43.1 35.6 53.4

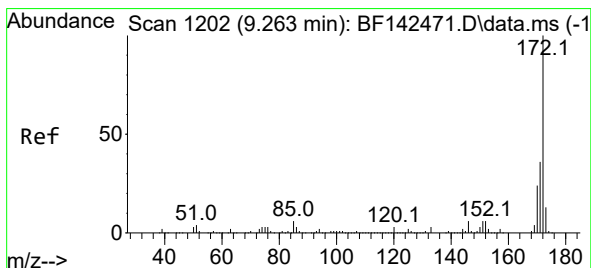
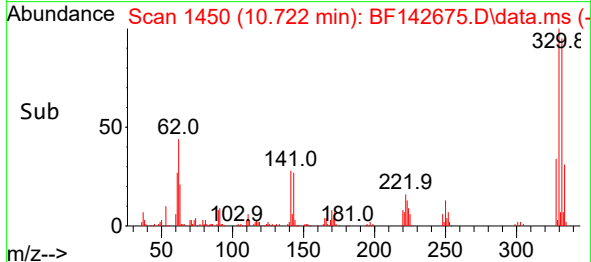
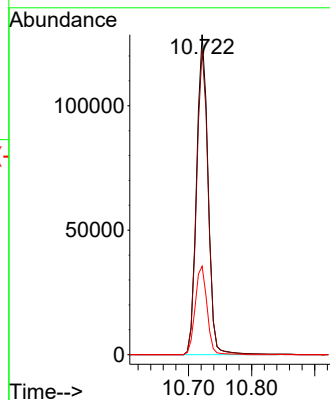
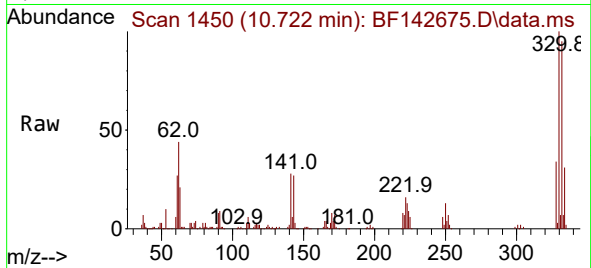




#42
 2,4,6-Tribromophenol
 Concen: 62.428 ng
 RT: 10.722 min Scan# 1450
 Delta R.T. -0.018 min
 Lab File: BF142675.D
 Acq: 07 Jun 2025 07:03

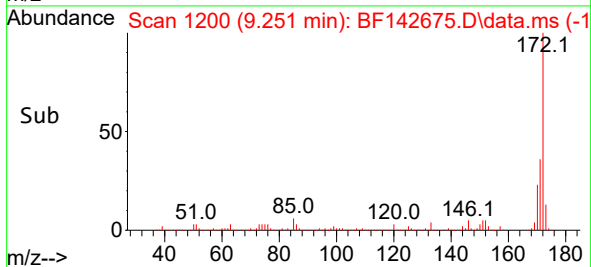
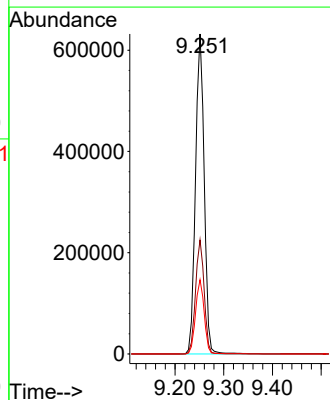
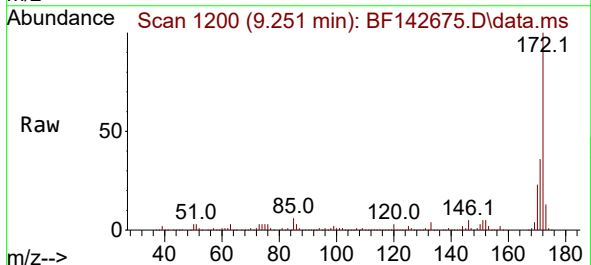
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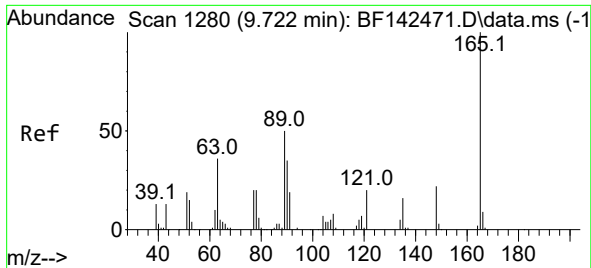
Tgt Ion:330 Resp: 162460
 Ion Ratio Lower Upper
 330 100
 332 95.9 77.6 116.4
 141 28.5 24.6 36.8



#45
 2-Fluorobiphenyl
 Concen: 45.373 ng
 RT: 9.251 min Scan# 1200
 Delta R.T. -0.018 min
 Lab File: BF142675.D
 Acq: 07 Jun 2025 07:03

Tgt Ion:172 Resp: 792846
 Ion Ratio Lower Upper
 172 100
 171 35.6 28.6 42.8
 170 23.2 18.9 28.3

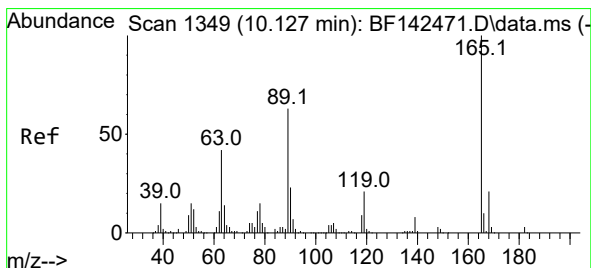
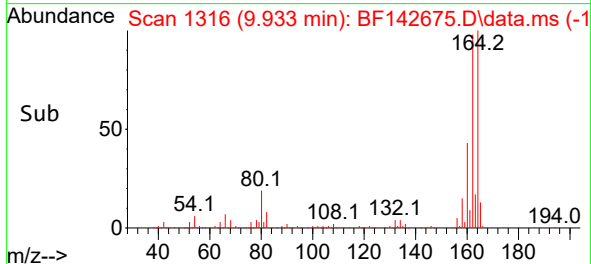
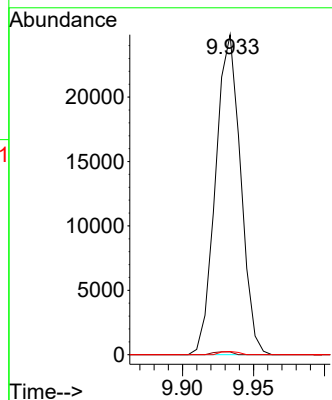
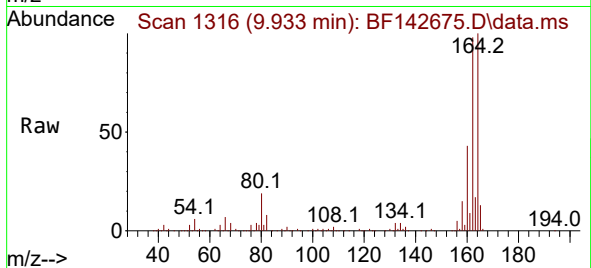




#51
2,6-Dinitrotoluene
Concen: 9.124 ng
RT: 9.933 min Scan# 11
Delta R.T. 0.206 min
Lab File: BF142675.D
Acq: 07 Jun 2025 07:03

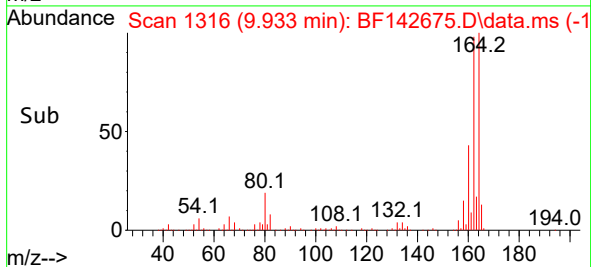
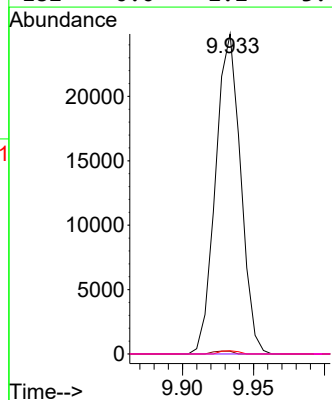
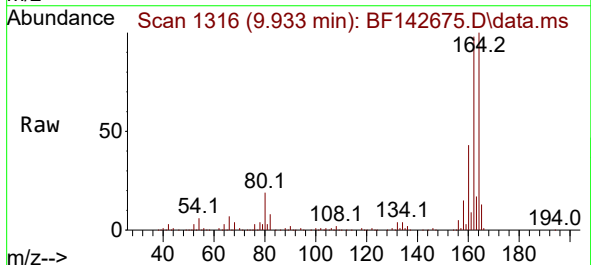
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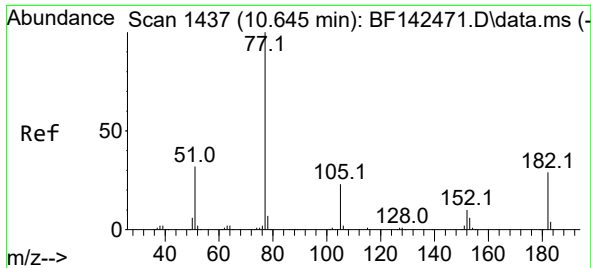
Tgt Ion:165 Resp: 30468
Ion Ratio Lower Upper
165 100
63 0.8 42.9 64.3#
89 1.0 40.2 60.4#



#57
2,4-Dinitrotoluene
Concen: 6.987 ng
RT: 9.933 min Scan# 1316
Delta R.T. -0.200 min
Lab File: BF142675.D
Acq: 07 Jun 2025 07:03

Tgt Ion:165 Resp: 30468
Ion Ratio Lower Upper
165 100
63 0.8 33.6 50.4#
89 1.0 50.2 75.4#
182 0.0 2.2 3.4#

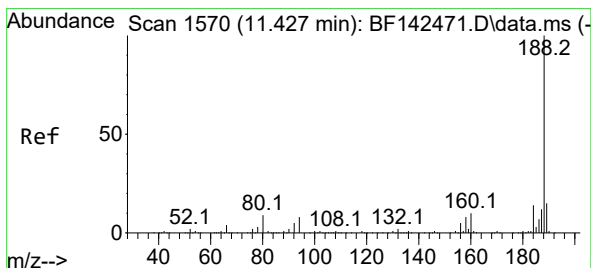
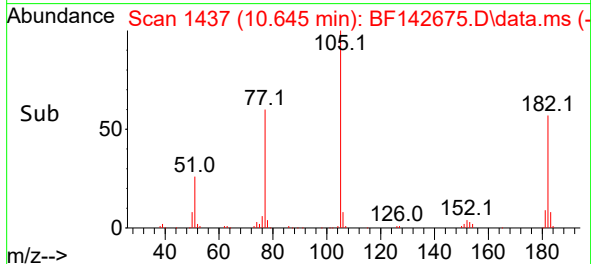
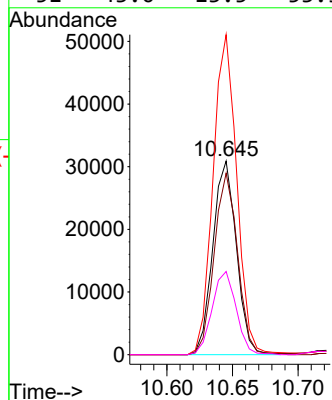
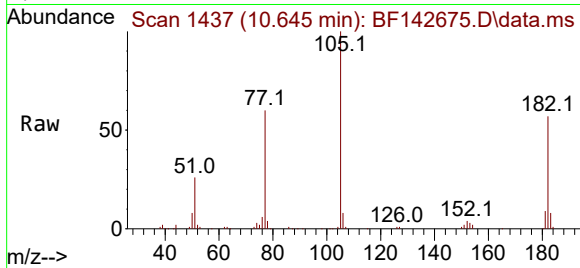




#63
Azobenzene
Concen: 2.856 ng
RT: 10.645 min Scan# 1437
Delta R.T. 0.000 min
Lab File: BF142675.D
Acq: 07 Jun 2025 07:03

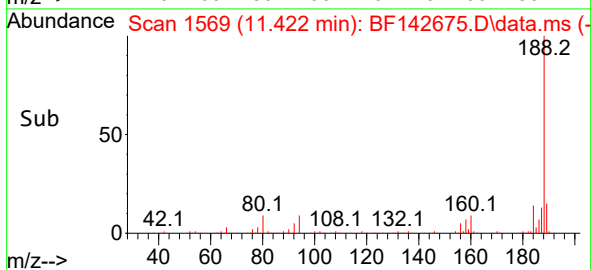
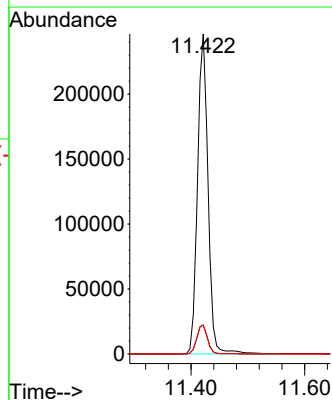
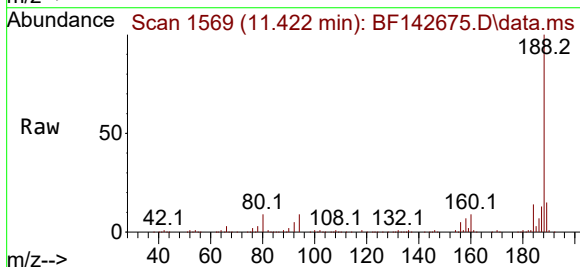
Instrument :
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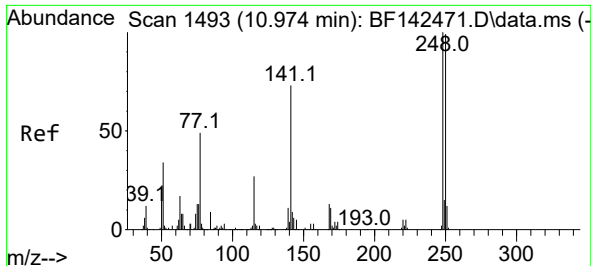
Tgt Ion: 77 Resp: 38763
Ion Ratio Lower Upper
77 100
182 93.7 9.0 49.0#
105 165.3 2.4 42.4#
51 43.0 13.5 53.5



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.422 min Scan# 1569
Delta R.T. -0.012 min
Lab File: BF142675.D
Acq: 07 Jun 2025 07:03

Tgt Ion:188 Resp: 317665
Ion Ratio Lower Upper
188 100
94 9.1 6.6 10.0
80 9.1 7.4 11.0

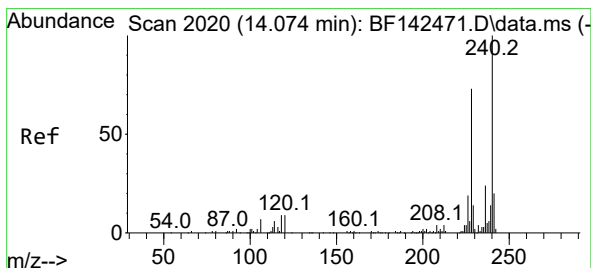
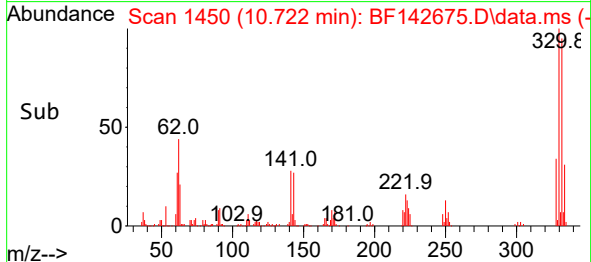
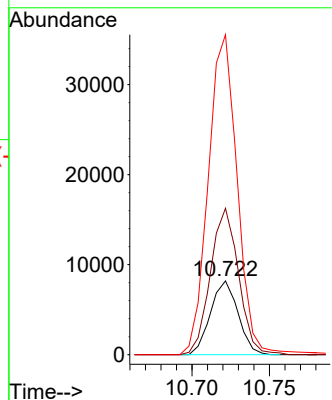
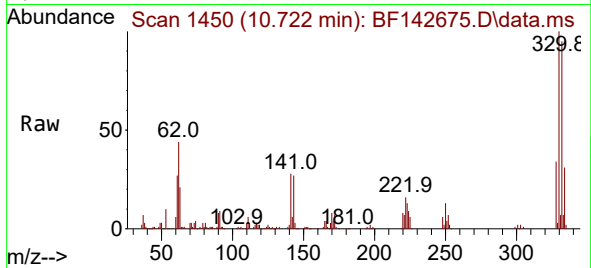




#67
4-Bromophenyl-phenylether
Concen: 2.695 ng
RT: 10.722 min Scan# 1493
Delta R.T. -0.253 min
Lab File: BF142675.D
Acq: 07 Jun 2025 07:03

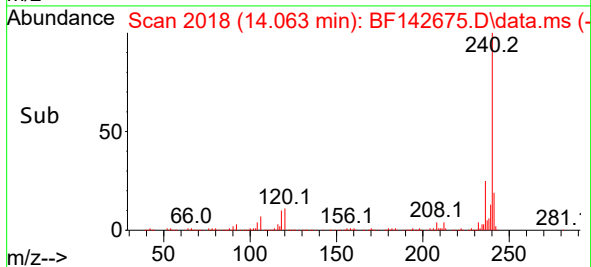
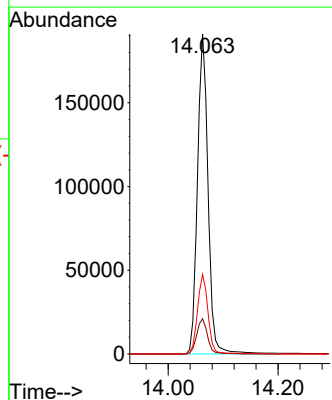
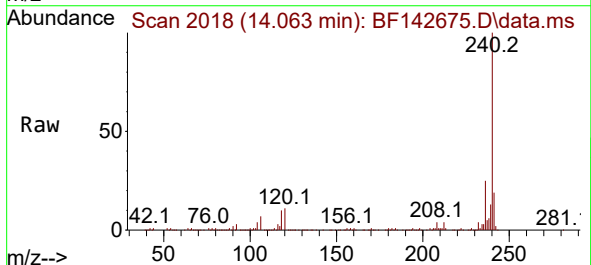
Instrument :
BNA_F
ClientSampleId :
TP08-MHI-WC

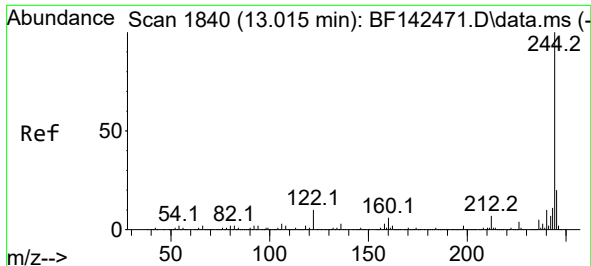
Tgt Ion:248 Resp: 10123
Ion Ratio Lower Upper
248 100
250 198.6 79.0 118.4#
141 434.1 58.4 87.6#



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.063 min Scan# 2018
Delta R.T. -0.012 min
Lab File: BF142675.D
Acq: 07 Jun 2025 07:03

Tgt Ion:240 Resp: 255550
Ion Ratio Lower Upper
240 100
120 11.0 7.5 11.3
236 24.8 19.6 29.4

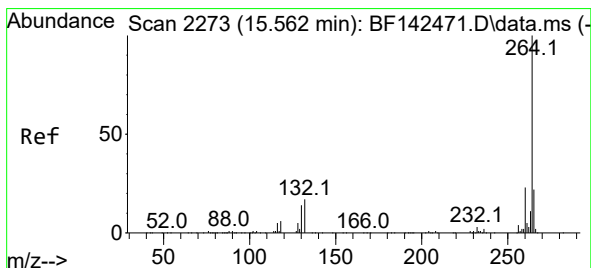
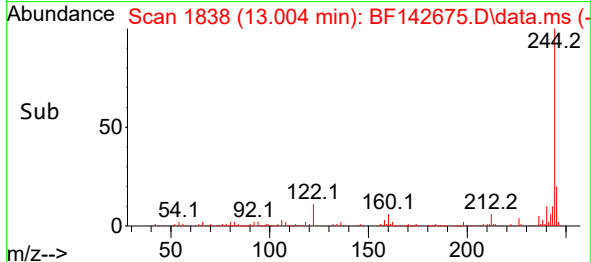
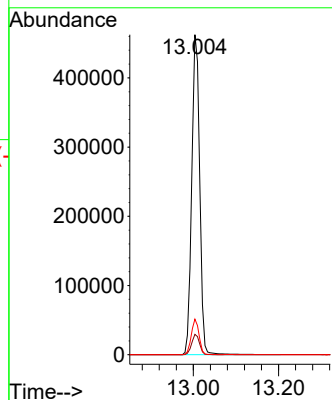
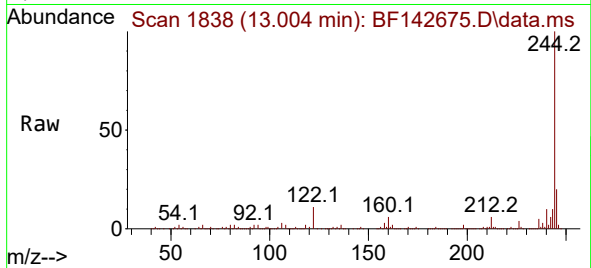




#79
 Terphenyl-d14
 Concen: 32.020 ng
 RT: 13.004 min Scan# 1838
 Delta R.T. -0.012 min
 Lab File: BF142675.D
 Acq: 07 Jun 2025 07:03

Instrument :
 BNA_F
 ClientSampleId :
 TP08-MHI-WC

Tgt Ion:244 Resp: 598781
 Ion Ratio Lower Upper
 244 100
 212 6.3 5.3 7.9
 122 11.1 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: BF142675.D
 Acq: 07 Jun 2025 07:03

Tgt Ion:264 Resp: 269445
 Ion Ratio Lower Upper
 264 100
 260 23.3 18.6 28.0
 265 21.4 17.7 26.5

