

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF051525\
 Data File : BF142400.D
 Acq On : 15 May 2025 19:09
 Operator : RC/JU
 Sample : Q2022-04
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 COMP-2

Quant Time: May 16 01:07:54 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF050525.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon May 05 18:41:44 2025
 Response via : Initial Calibration

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

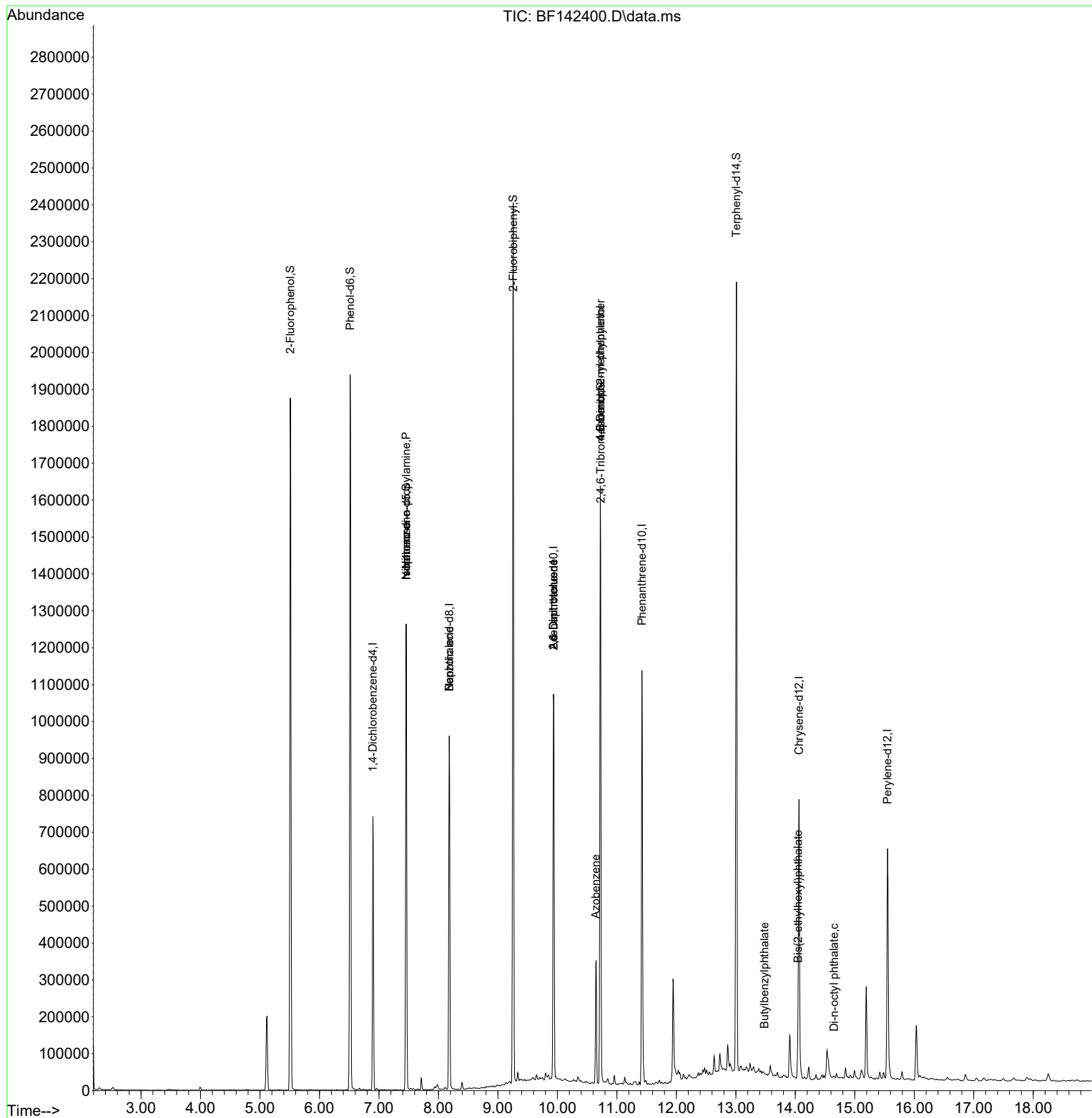
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.898	152	158297	20.000	ng	0.00
21) Naphthalene-d8	8.181	136	602814	20.000	ng	0.00
39) Acenaphthene-d10	9.934	164	328097	20.000	ng	-0.01
64) Phenanthrene-d10	11.422	188	571828	20.000	ng	-0.01
76) Chrysene-d12	14.063	240	359001	20.000	ng	0.00
86) Perylene-d12	15.551	264	365604	20.000	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.510	112	721502	77.807	ng	0.00
7) Phenol-d6	6.516	99	916930	80.397	ng	0.00
23) Nitrobenzene-d5	7.457	82	523041	52.916	ng	-0.01
42) 2,4,6-Tribromophenol	10.728	330	295409	93.256	ng	0.00
45) 2-Fluorobiphenyl	9.257	172	1065208	46.293	ng	0.00
79) Terphenyl-d14	13.010	244	1033005	42.589	ng	0.00
Target Compounds						
					Qvalue	
19) n-Nitroso-di-n-propyla...	7.457	70	69503	9.852	ng	# 77
25) Isophorone	7.457	82	518005	27.675	ng	# 62
32) Benzoic acid	8.181	122	61	6.027	ng	# 1
51) 2,6-Dinitrotoluene	9.934	165	42262	10.717	ng	# 23
57) 2,4-Dinitrotoluene	9.934	165	42360	8.374	ng	# 24
63) Azobenzene	10.645	77	81754	4.066	ng	# 1
65) 4,6-Dinitro-2-methylph...	10.722	198	586	7.372	ng	# 1
67) 4-Bromophenyl-phenylether	10.722	248	17730	2.736	ng	# 1
80) Butylbenzylphthalate	13.480	149	369	3.696	ng	# 53
84) Bis(2-ethylhexyl)phtha...	14.045	149	29153	6.426	ng	98
85) Di-n-octyl phthalate	14.651	149	522	7.860	ng	# 1

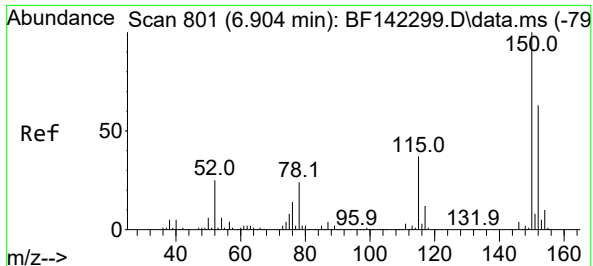
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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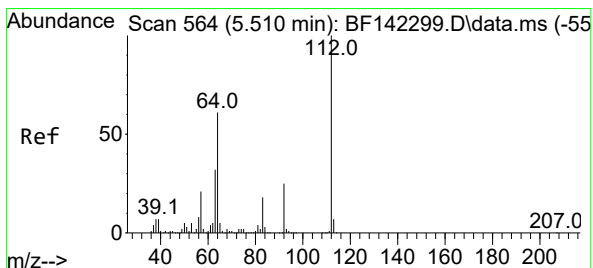
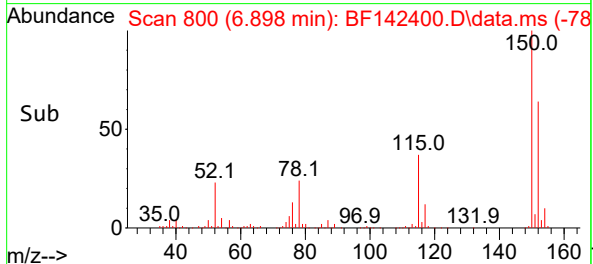
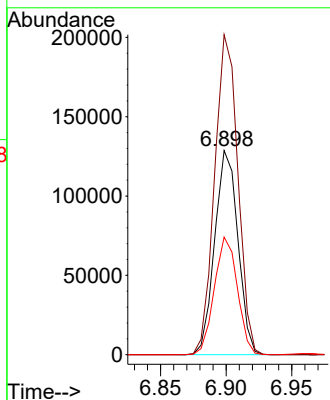
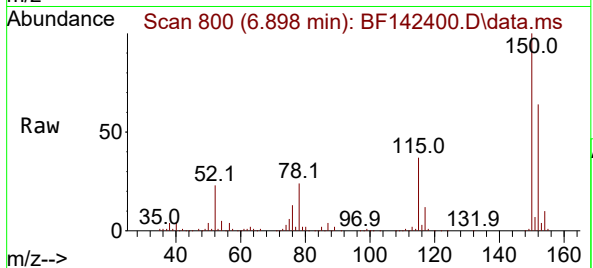




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.898 min Scan# 801
Delta R.T. -0.006 min
Lab File: BF142400.D
Acq: 15 May 2025 19:09

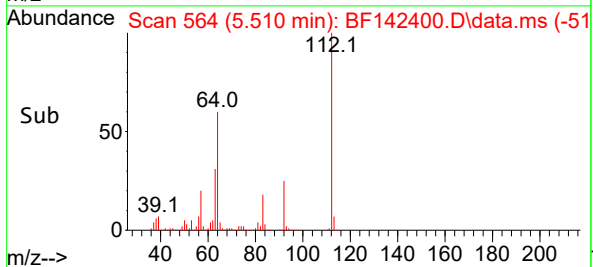
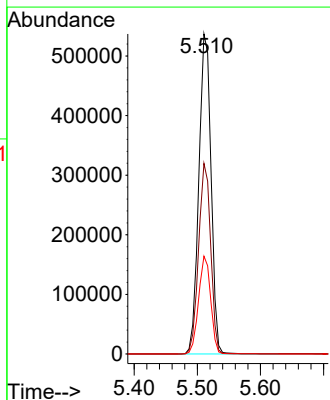
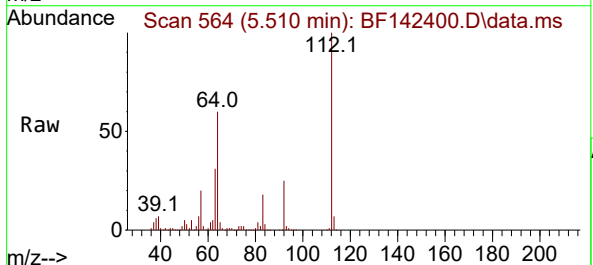
Instrument :
BNA_F
ClientSampleId :
COMP-2

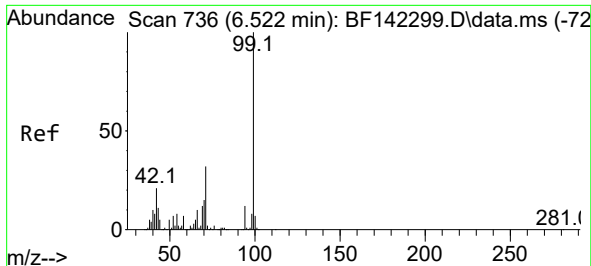
Tgt Ion:152 Resp: 158297
Ion Ratio Lower Upper
152 100
150 156.7 126.6 190.0
115 57.6 47.3 70.9



#5
2-Fluorophenol
Concen: 77.807 ng
RT: 5.510 min Scan# 564
Delta R.T. 0.000 min
Lab File: BF142400.D
Acq: 15 May 2025 19:09

Tgt Ion:112 Resp: 721502
Ion Ratio Lower Upper
112 100
64 59.5 48.9 73.3
63 30.6 25.6 38.4

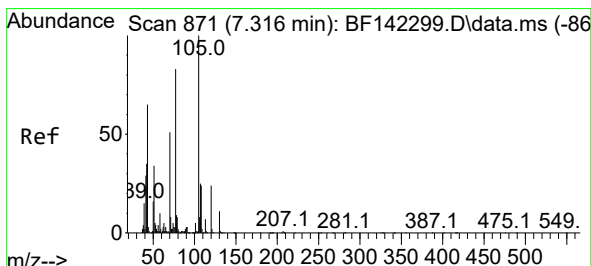
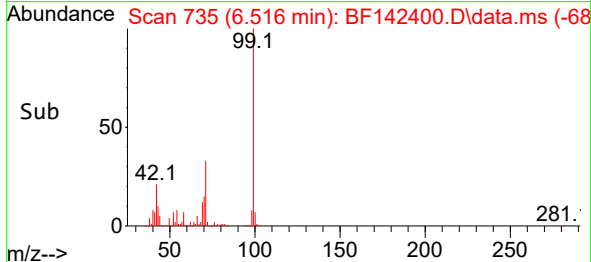
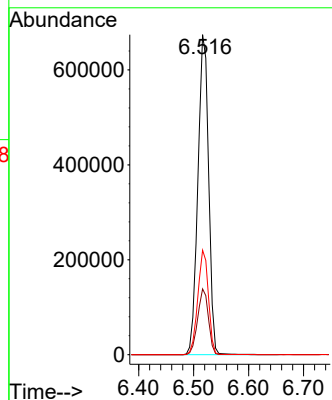
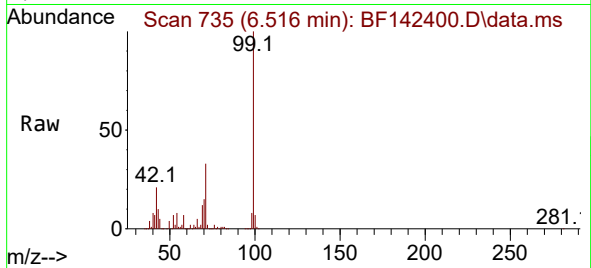




#7
Phenol-d6
Concen: 80.397 ng
RT: 6.516 min Scan# 71
Delta R.T. -0.006 min
Lab File: BF142400.D
Acq: 15 May 2025 19:09

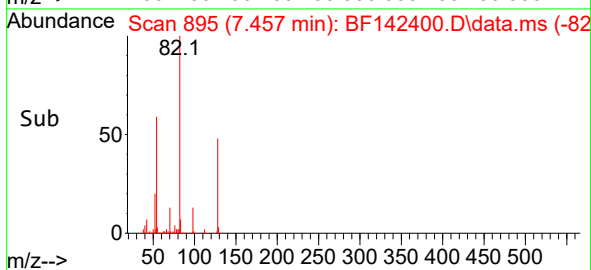
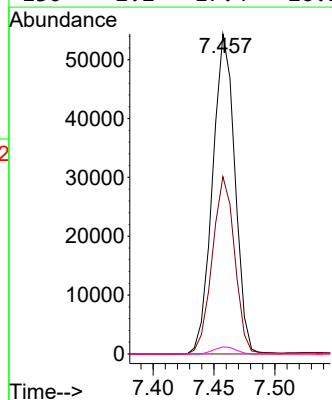
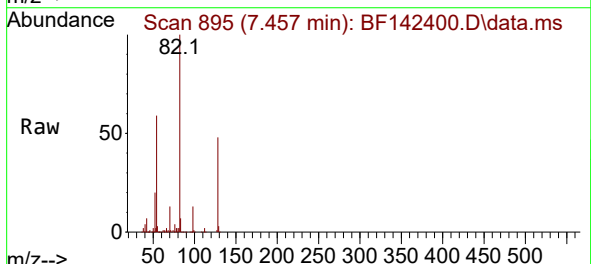
Instrument :
BNA_F
ClientSampleId :
COMP-2

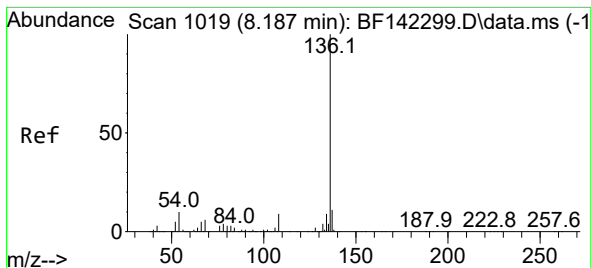
Tgt Ion: 99 Resp: 916930
Ion Ratio Lower Upper
99 100
42 20.6 17.0 25.4
71 32.6 25.8 38.8



#19
n-Nitroso-di-n-propylamine
Concen: 9.852 ng
RT: 7.457 min Scan# 895
Delta R.T. 0.141 min
Lab File: BF142400.D
Acq: 15 May 2025 19:09

Tgt Ion: 70 Resp: 69503
Ion Ratio Lower Upper
70 100
42 55.4 54.8 82.2
101 0.0 7.7 11.5#
130 2.2 17.4 26.2#





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.181 min Scan# 1019

Delta R.T. -0.006 min

Lab File: BF142400.D

Acq: 15 May 2025 19:09

Instrument :

BNA_F

ClientSampleId :

COMP-2

Tgt Ion:136 Resp: 602814

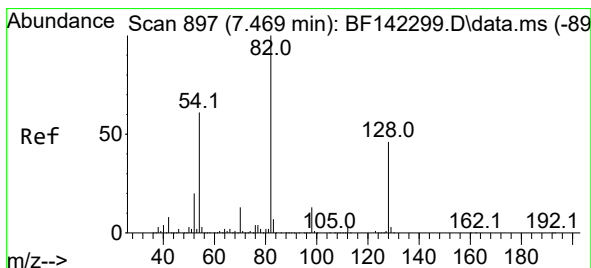
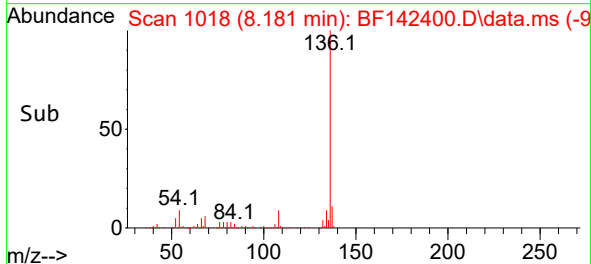
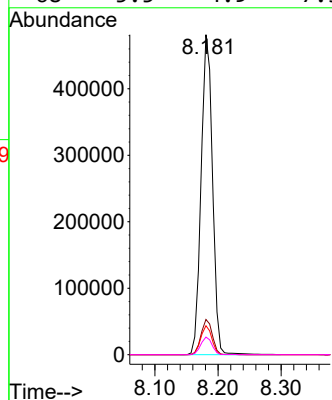
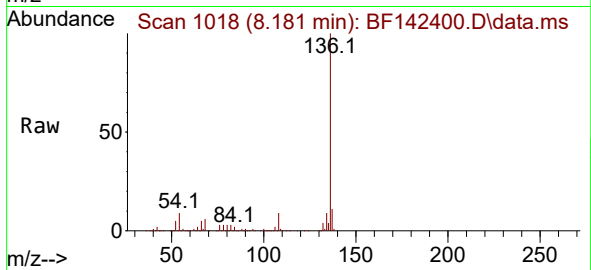
Ion Ratio Lower Upper

136 100

137 11.0 8.9 13.3

54 9.1 7.7 11.5

68 5.5 4.9 7.3



#23

Nitrobenzene-d5

Concen: 52.916 ng

RT: 7.457 min Scan# 895

Delta R.T. -0.012 min

Lab File: BF142400.D

Acq: 15 May 2025 19:09

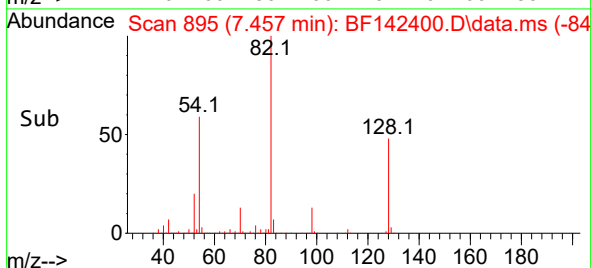
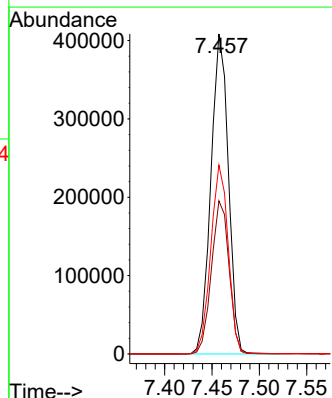
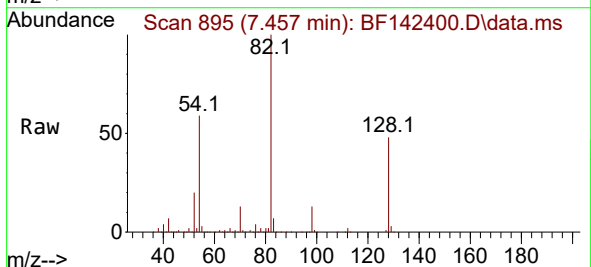
Tgt Ion: 82 Resp: 523041

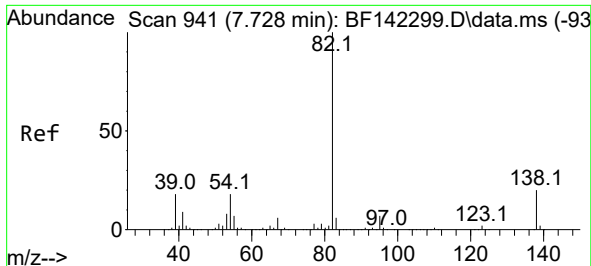
Ion Ratio Lower Upper

82 100

128 47.9 37.0 55.6

54 59.1 48.6 73.0

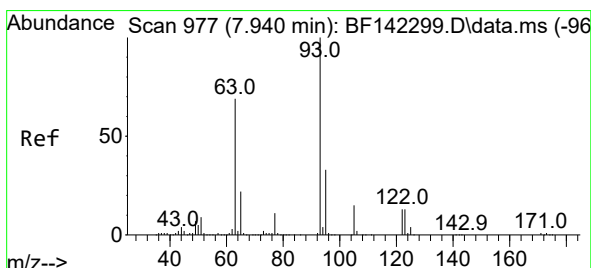
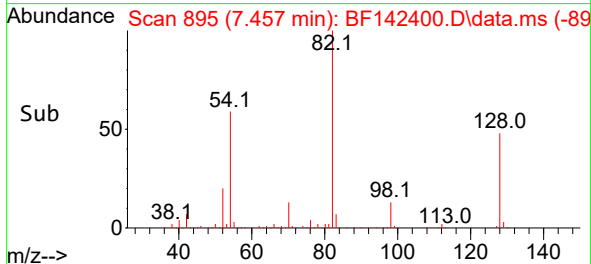
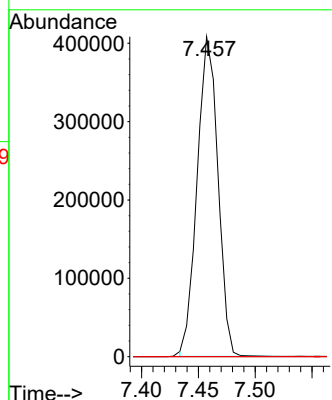
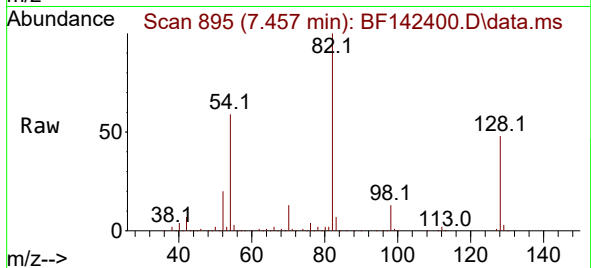




#25
Isophorone
Concen: 27.675 ng
RT: 7.457 min Scan# 895
Delta R.T. -0.271 min
Lab File: BF142400.D
Acq: 15 May 2025 19:09

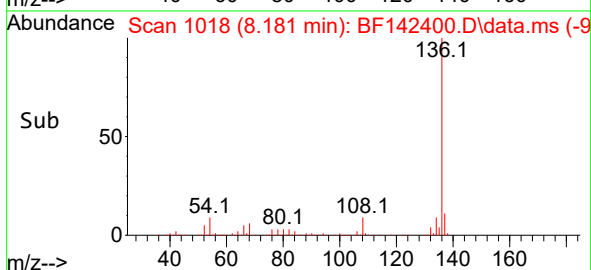
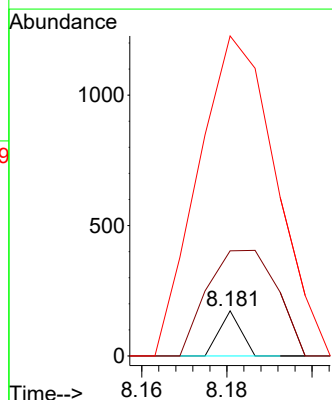
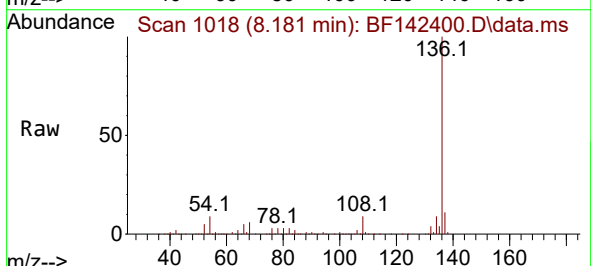
Instrument :
BNA_F
ClientSampleId :
COMP-2

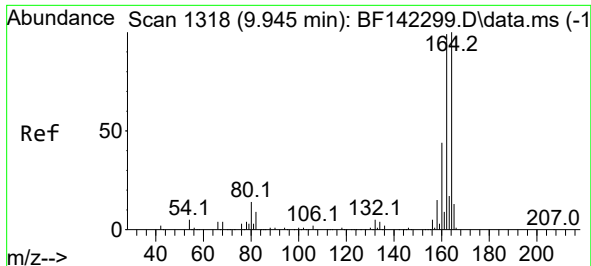
Tgt Ion: 82 Resp: 518005
Ion Ratio Lower Upper
82 100
95 0.0 5.8 8.8#
138 0.0 16.1 24.1#



#32
Benzoic acid
Concen: 6.027 ng
RT: 8.181 min Scan# 1018
Delta R.T. 0.241 min
Lab File: BF142400.D
Acq: 15 May 2025 19:09

Tgt Ion:122 Resp: 61
Ion Ratio Lower Upper
122 100
105 232.9 97.9 137.9#
77 709.2 67.7 107.7#

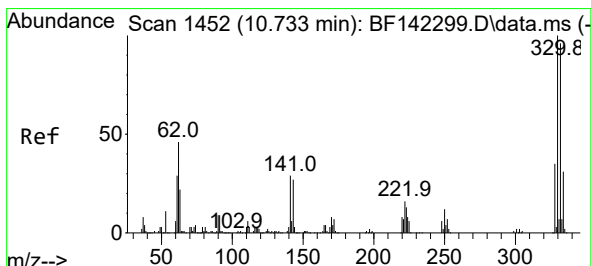
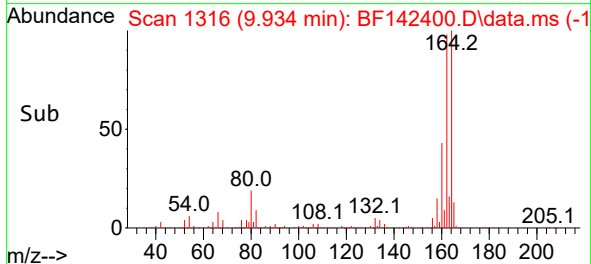
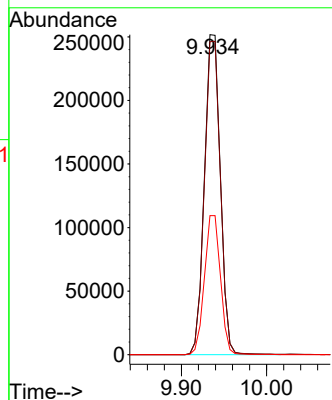
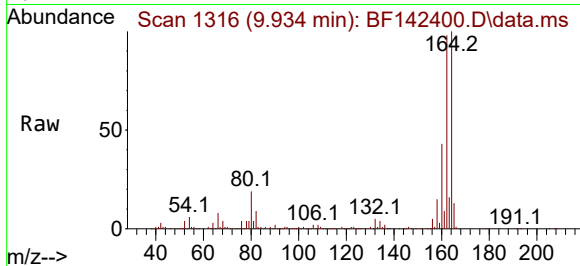




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.934 min Scan# 1
Delta R.T. -0.011 min
Lab File: BF142400.D
Acq: 15 May 2025 19:09

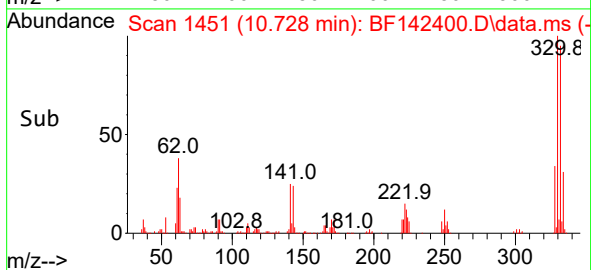
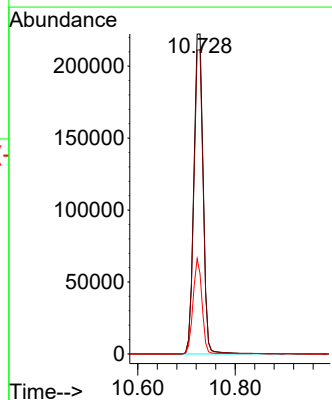
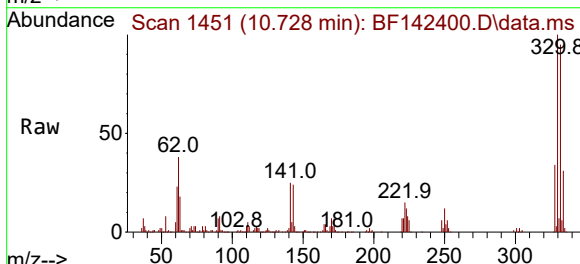
Instrument :
BNA_F
ClientSampleId :
COMP-2

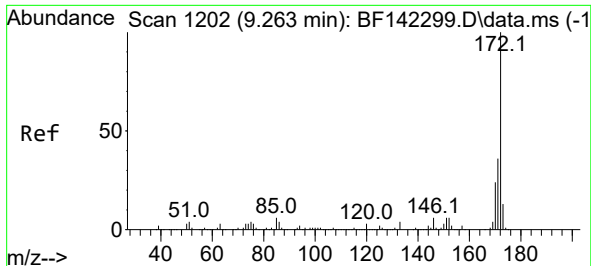
Tgt Ion:164 Resp: 328097
Ion Ratio Lower Upper
164 100
162 97.8 79.2 118.8
160 43.5 35.3 52.9



#42
2,4,6-Tribromophenol
Concen: 93.256 ng
RT: 10.728 min Scan# 1451
Delta R.T. -0.006 min
Lab File: BF142400.D
Acq: 15 May 2025 19:09

Tgt Ion:330 Resp: 295409
Ion Ratio Lower Upper
330 100
332 95.5 76.8 115.2
141 28.8 24.9 37.3

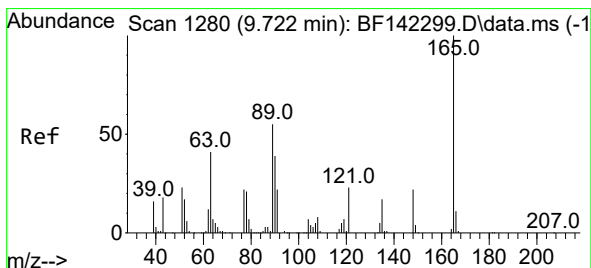
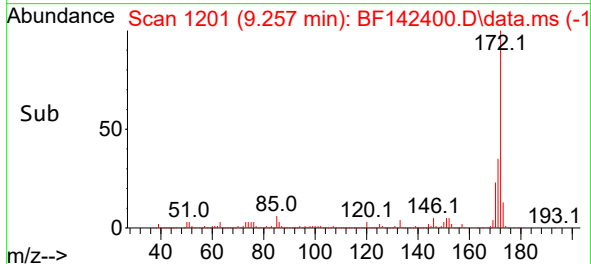
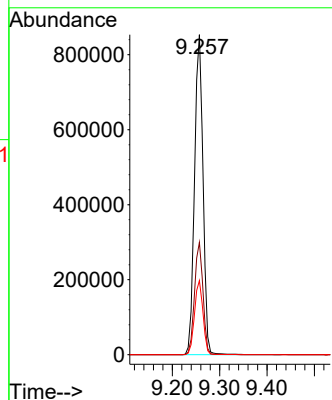
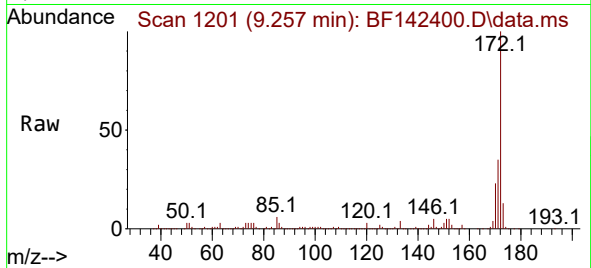




#45
2-Fluorobiphenyl
Concen: 46.293 ng
RT: 9.257 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF142400.D
Acq: 15 May 2025 19:09

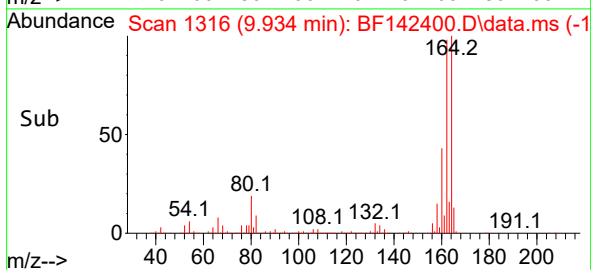
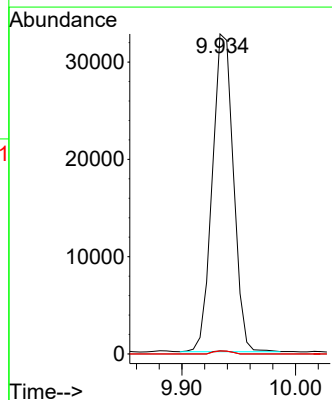
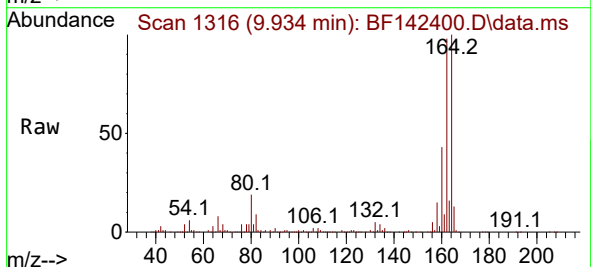
Instrument :
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COMP-2

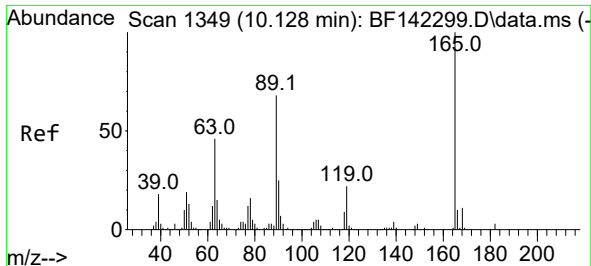
Tgt Ion:172 Resp: 1065208
Ion Ratio Lower Upper
172 100
171 35.1 28.6 42.8
170 23.2 19.0 28.4



#51
2,6-Dinitrotoluene
Concen: 10.717 ng
RT: 9.934 min Scan# 1316
Delta R.T. 0.212 min
Lab File: BF142400.D
Acq: 15 May 2025 19:09

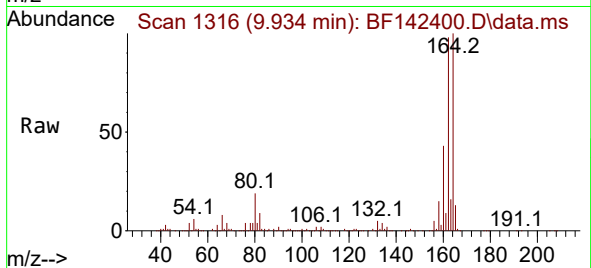
Tgt Ion:165 Resp: 42262
Ion Ratio Lower Upper
165 100
63 1.0 49.5 74.3#
89 0.9 44.6 66.8#



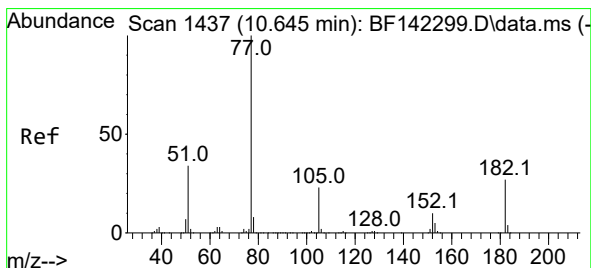
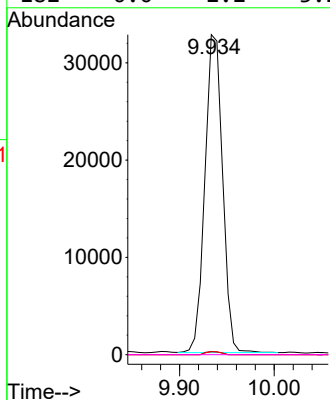
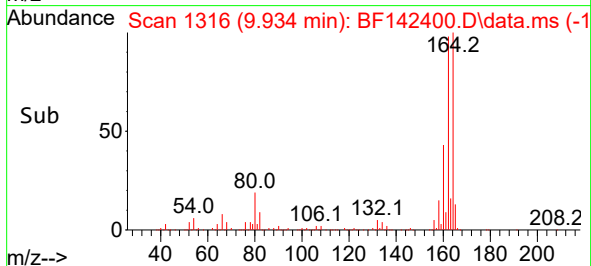


#57
2,4-Dinitrotoluene
Concen: 8.374 ng
RT: 9.934 min Scan# 11
Delta R.T. -0.194 min
Lab File: BF142400.D
Acq: 15 May 2025 19:09

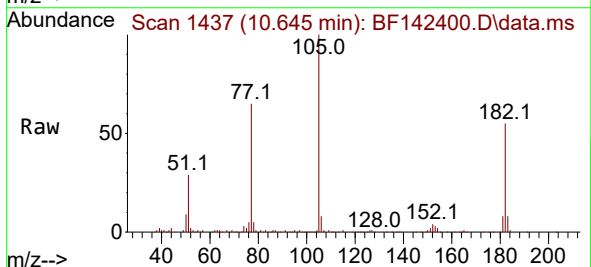
Instrument :
BNA_F
ClientSampleId :
COMP-2



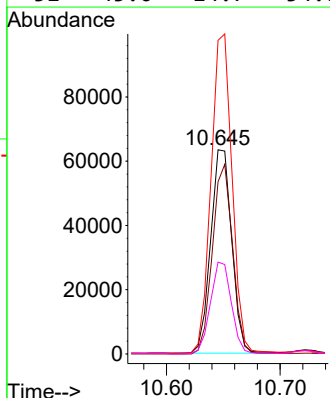
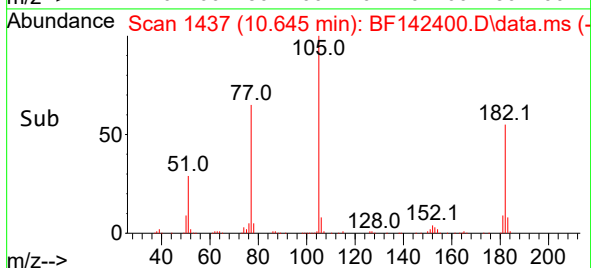
Tgt Ion:165 Resp: 42360
Ion Ratio Lower Upper
165 100
63 1.0 37.1 55.7#
89 0.9 54.4 81.6#
182 0.0 2.2 3.2#

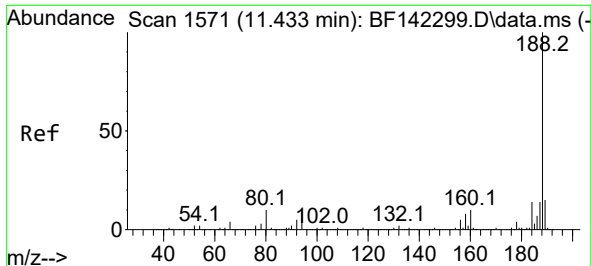


#63
Azobenzene
Concen: 4.066 ng
RT: 10.645 min Scan# 1437
Delta R.T. 0.000 min
Lab File: BF142400.D
Acq: 15 May 2025 19:09



Tgt Ion: 77 Resp: 81754
Ion Ratio Lower Upper
77 100
182 84.3 6.9 46.9#
105 153.6 2.7 42.7#
51 45.0 14.7 54.7

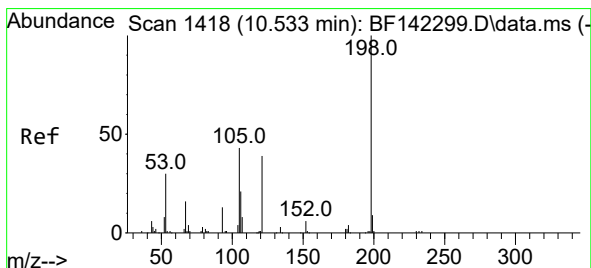
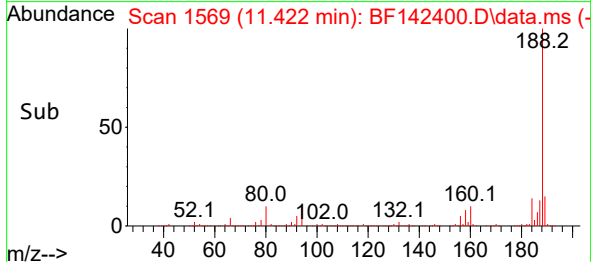
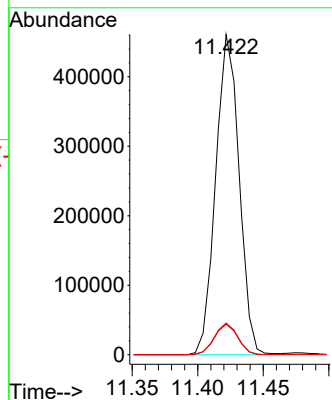
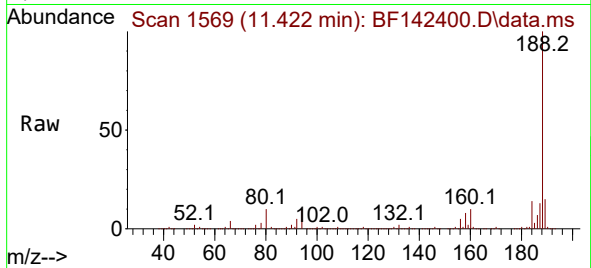




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.422 min Scan# 1
Delta R.T. -0.012 min
Lab File: BF142400.D
Acq: 15 May 2025 19:09

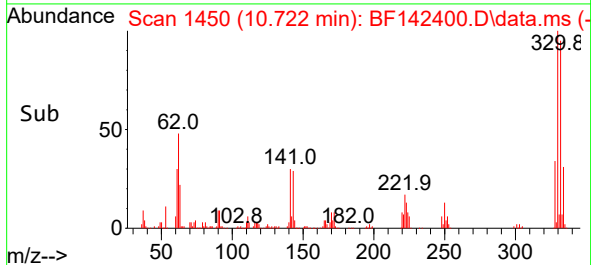
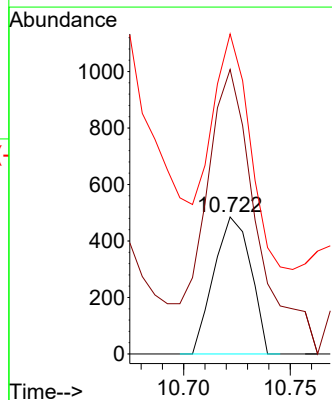
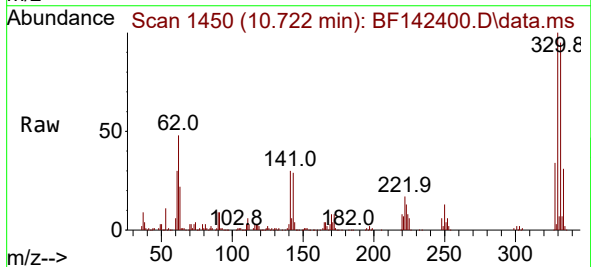
Instrument :
BNA_F
ClientSampleId :
COMP-2

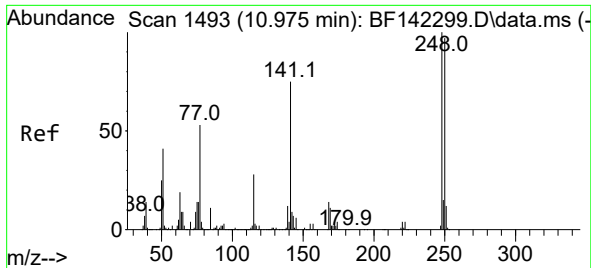
Tgt Ion:188 Resp: 571828
Ion Ratio Lower Upper
188 100
94 9.5 7.5 11.3
80 9.9 7.9 11.9



#65
4,6-Dinitro-2-methylphenol
Concen: 7.372 ng
RT: 10.722 min Scan# 1450
Delta R.T. 0.189 min
Lab File: BF142400.D
Acq: 15 May 2025 19:09

Tgt Ion:198 Resp: 586
Ion Ratio Lower Upper
198 100
51 207.6 32.9 72.9#
105 233.6 23.7 63.7#

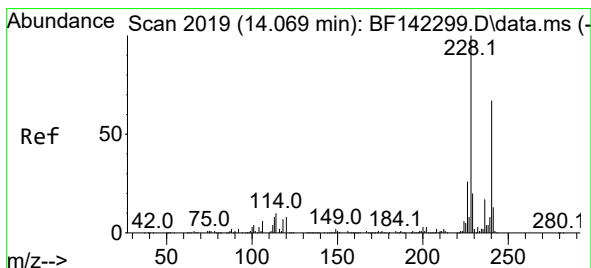
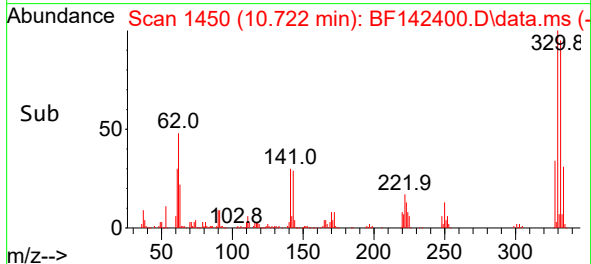
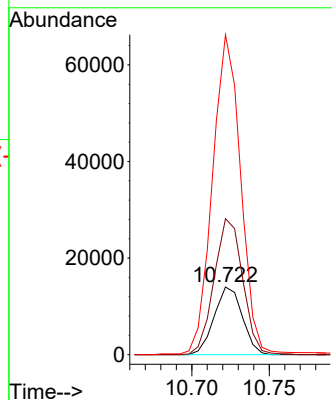
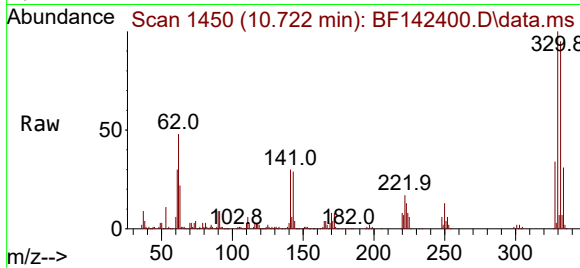




#67
4-Bromophenyl-phenylether
Concen: 2.736 ng
RT: 10.722 min Scan# 1493
Delta R.T. -0.253 min
Lab File: BF142400.D
Acq: 15 May 2025 19:09

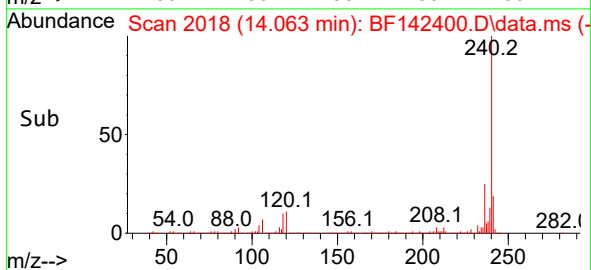
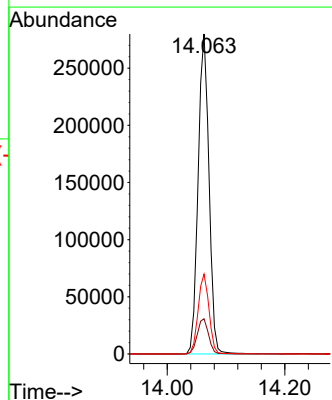
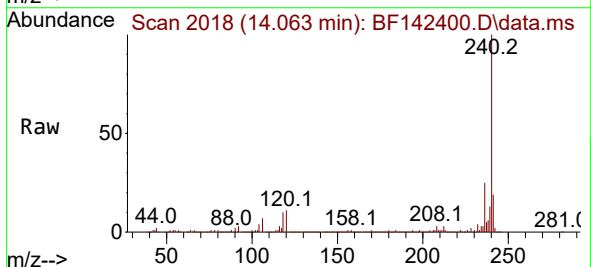
Instrument :
BNA_F
ClientSampleId :
COMP-2

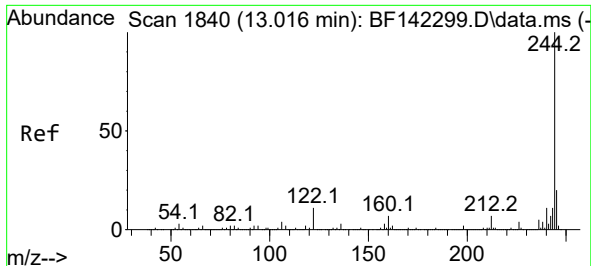
Tgt Ion:248 Resp: 17730
Ion Ratio Lower Upper
248 100
250 200.8 77.9 116.9#
141 472.6 59.8 89.8#



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.063 min Scan# 2018
Delta R.T. -0.006 min
Lab File: BF142400.D
Acq: 15 May 2025 19:09

Tgt Ion:240 Resp: 359001
Ion Ratio Lower Upper
240 100
120 11.0 9.7 14.5
236 25.0 20.0 30.0

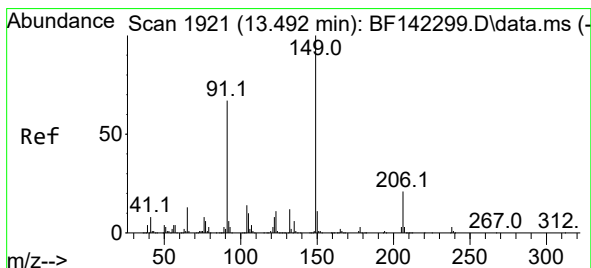
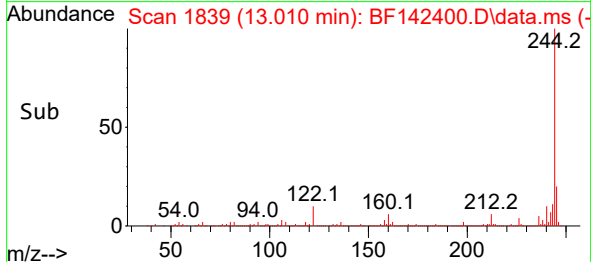
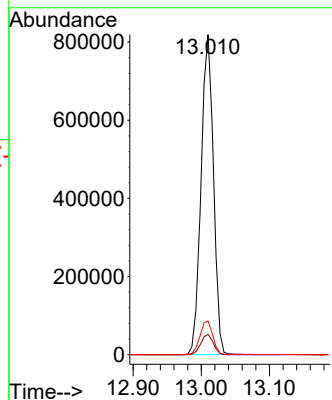
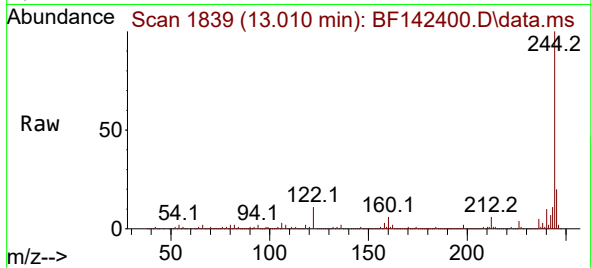




#79
 Terphenyl-d14
 Concen: 42.589 ng
 RT: 13.010 min Scan# 11
 Delta R.T. -0.006 min
 Lab File: BF142400.D
 Acq: 15 May 2025 19:09

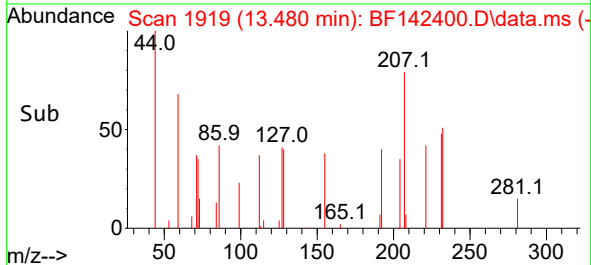
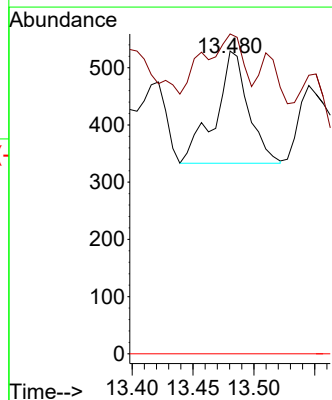
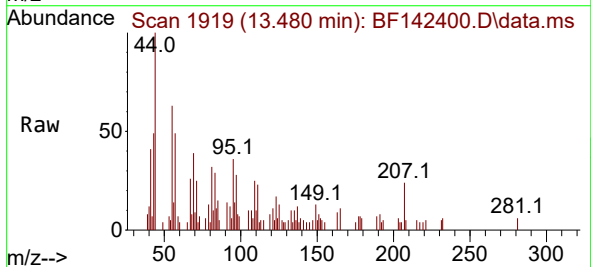
Instrument :
 BNA_F
 ClientSampleId :
 COMP-2

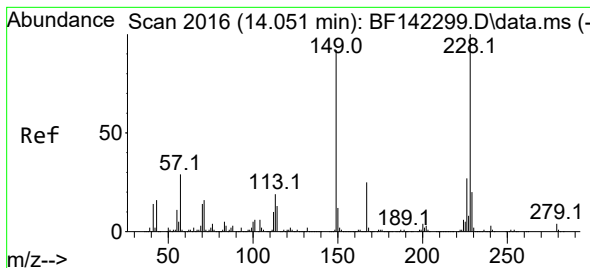
Tgt Ion:244 Resp: 1033005
 Ion Ratio Lower Upper
 244 100
 212 6.4 5.4 8.2
 122 10.5 9.0 13.4



#80
 Butylbenzylphthalate
 Concen: 3.696 ng
 RT: 13.480 min Scan# 1919
 Delta R.T. -0.012 min
 Lab File: BF142400.D
 Acq: 15 May 2025 19:09

Tgt Ion:149 Resp: 369
 Ion Ratio Lower Upper
 149 100
 91 105.7 53.8 80.6#
 206 0.0 16.6 24.8#





#84

Bis(2-ethylhexyl)phthalate

Concen: 6.426 ng

RT: 14.045 min Scan# 2016

Delta R.T. -0.006 min

Lab File: BF142400.D

Acq: 15 May 2025 19:09

Instrument :

BNA_F

ClientSampleId :

COMP-2

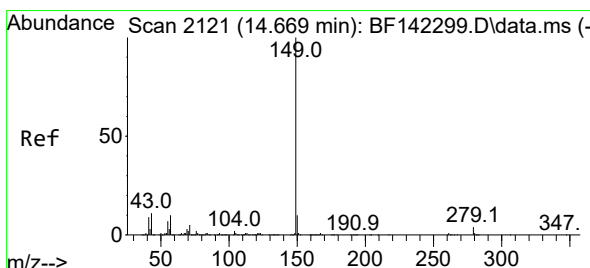
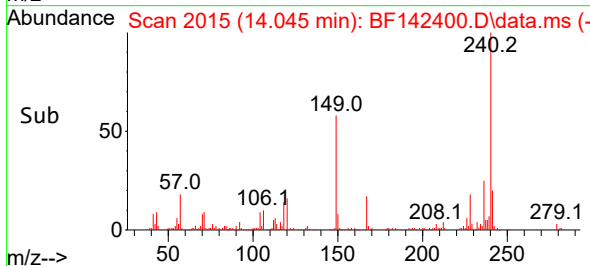
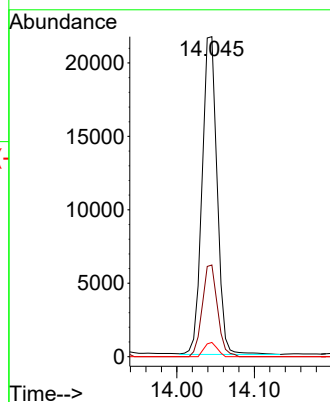
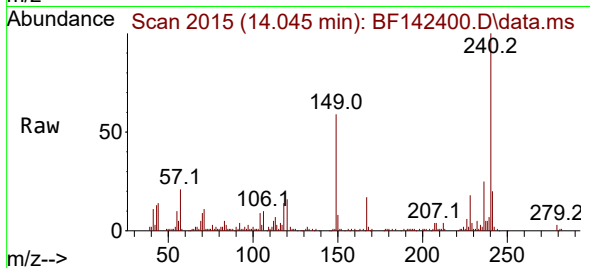
Tgt Ion:149 Resp: 29153

Ion Ratio Lower Upper

149 100

167 28.6 22.0 33.0

279 4.5 3.0 4.6



#85

Di-n-octyl phthalate

Concen: 7.860 ng

RT: 14.651 min Scan# 2118

Delta R.T. -0.018 min

Lab File: BF142400.D

Acq: 15 May 2025 19:09

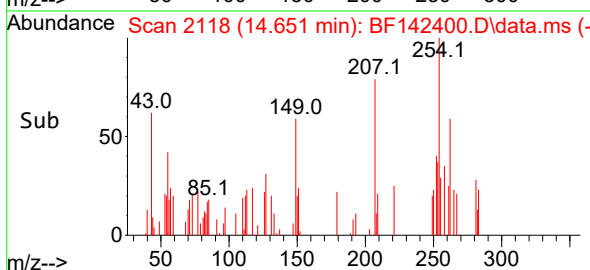
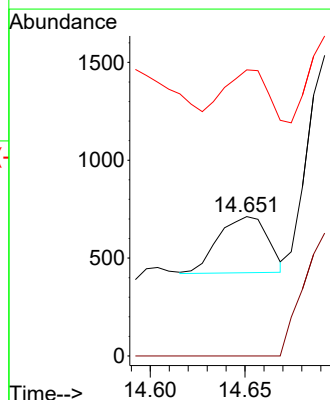
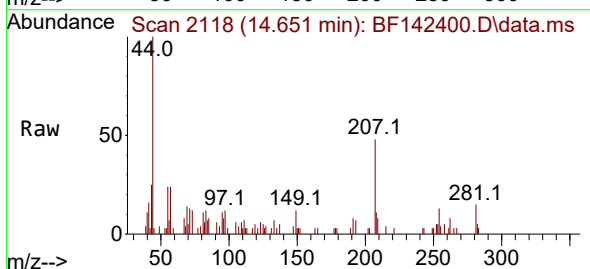
Tgt Ion:149 Resp: 522

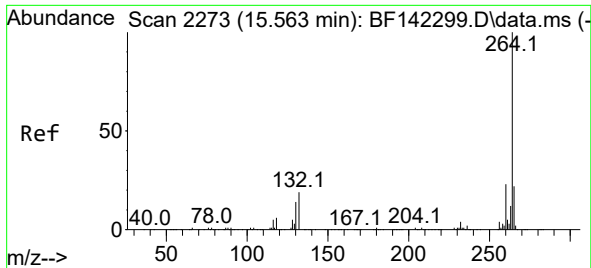
Ion Ratio Lower Upper

149 100

167 0.0 1.1 1.7#

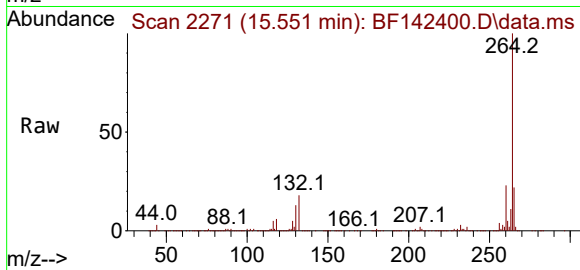
43 117.2 9.2 13.8#





#86
Perylene-d12
Concen: 20.000 ng
RT: 15.551 min Scan# 21
Delta R.T. -0.012 min
Lab File: BF142400.D
Acq: 15 May 2025 19:09

Instrument :
BNA_F
ClientSampleId :
COMP-2



Tgt Ion:264 Resp: 365604
Ion Ratio Lower Upper
264 100
260 23.1 18.6 27.8
265 21.7 17.5 26.3

