

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF051525\
 Data File : BF142405.D
 Acq On : 15 May 2025 21:34
 Operator : RC/JU
 Sample : Q2019-01
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 MH-K

Quant Time: May 16 01:10:01 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)

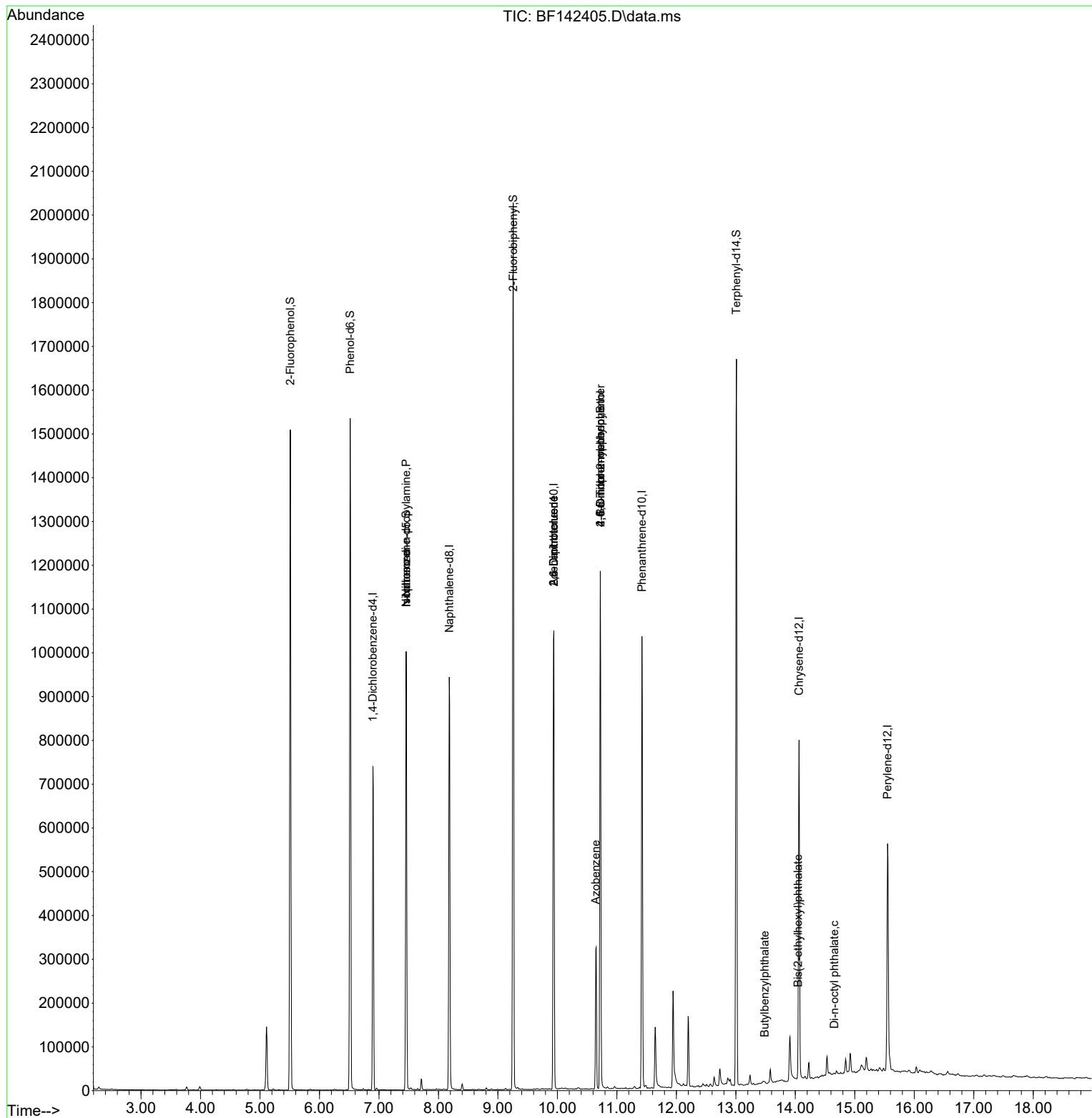
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.898	152	161313	20.000	ng	0.00
21) Naphthalene-d8	8.180	136	610687	20.000	ng	0.00
39) Acenaphthene-d10	9.939	164	322946	20.000	ng	0.00
64) Phenanthrene-d10	11.421	188	531605	20.000	ng	-0.01
76) Chrysene-d12	14.062	240	373231	20.000	ng	0.00
86) Perylene-d12	15.551	264	308553	20.000	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.510	112	566784	59.979	ng	0.00
7) Phenol-d6	6.516	99	699618	60.196	ng	0.00
23) Nitrobenzene-d5	7.457	82	408957	40.841	ng	-0.01
42) 2,4,6-Tribromophenol	10.722	330	205801	66.005	ng	-0.01
45) 2-Fluorobiphenyl	9.257	172	895448	39.536	ng	0.00
79) Terphenyl-d14	13.010	244	806708	31.991	ng	0.00
Target Compounds						Qvalue
19) n-Nitroso-di-n-propyla...	7.457	70	53871	7.493	ng	# 78
25) Isophorone	7.457	82	404902	21.354	ng	# 62
51) 2,6-Dinitrotoluene	9.939	165	41696	10.742	ng	# 23
57) 2,4-Dinitrotoluene	9.939	165	41696	8.374	ng	# 25
63) Azobenzene	10.645	77	78500	3.967	ng	# 1
65) 4,6-Dinitro-2-methylph...	10.722	198	298	7.287	ng	# 1
67) 4-Bromophenyl-phenylether	10.722	248	12579	2.088	ng	# 1
80) Butylbenzylphthalate	13.486	149	383	3.696	ng	# 54
84) Bis(2-ethylhexyl)phtha...	14.045	149	3239	4.471	ng	# 98
85) Di-n-octyl phthalate	14.657	149	455	7.856	ng	# 73

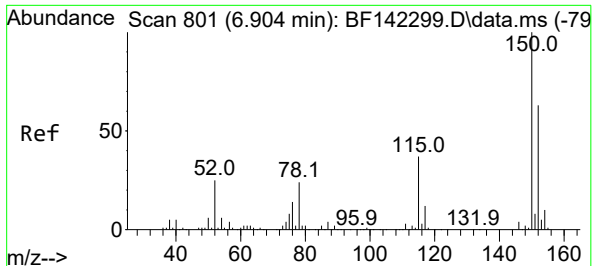
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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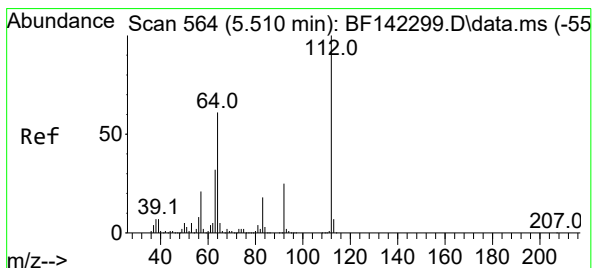
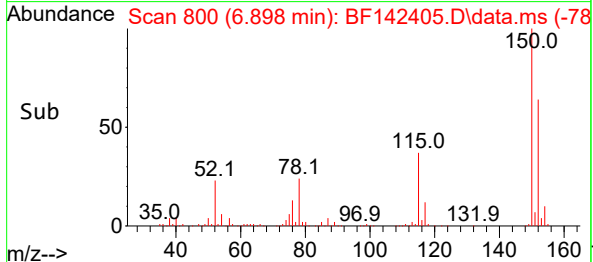
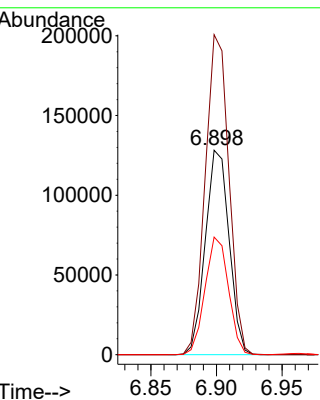
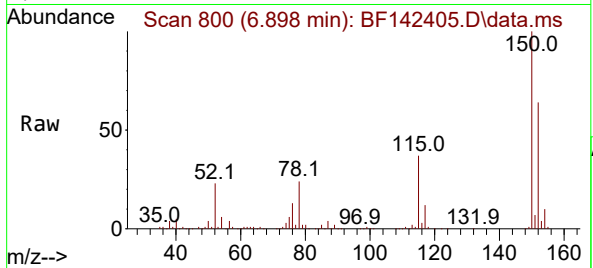




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.898 min Scan# 801
Delta R.T. -0.006 min
Lab File: BF142405.D
Acq: 15 May 2025 21:34

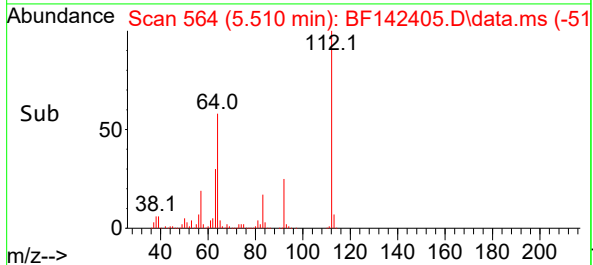
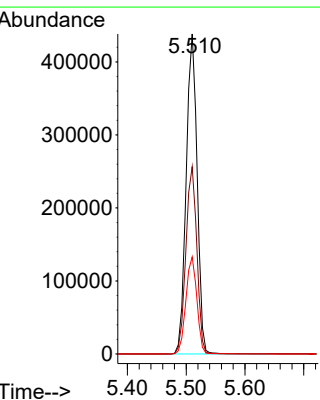
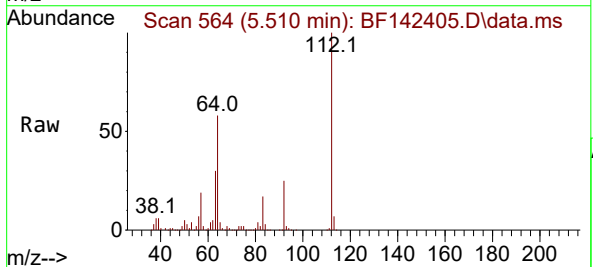
Instrument :
BNA_F
ClientSampleId :
MH-K

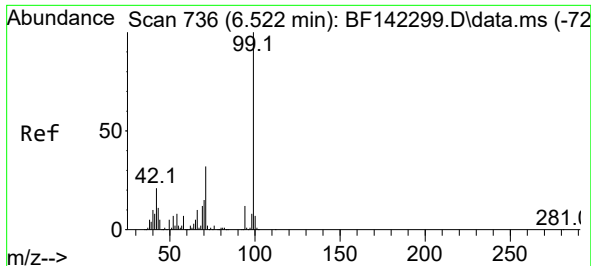
Tgt Ion:152 Resp: 161313
Ion Ratio Lower Upper
152 100
150 156.5 126.6 190.0
115 57.6 47.3 70.9



#5
2-Fluorophenol
Concen: 59.979 ng
RT: 5.510 min Scan# 564
Delta R.T. -0.000 min
Lab File: BF142405.D
Acq: 15 May 2025 21:34

Tgt Ion:112 Resp: 566784
Ion Ratio Lower Upper
112 100
64 58.5 48.9 73.3
63 30.4 25.6 38.4

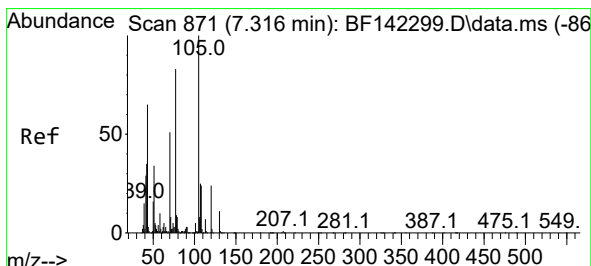
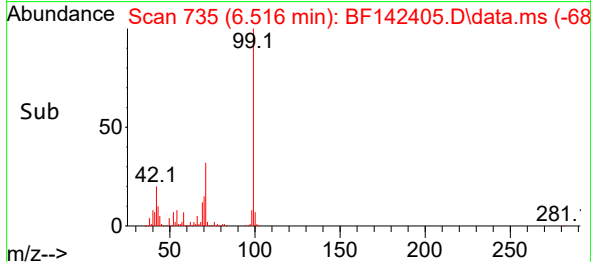
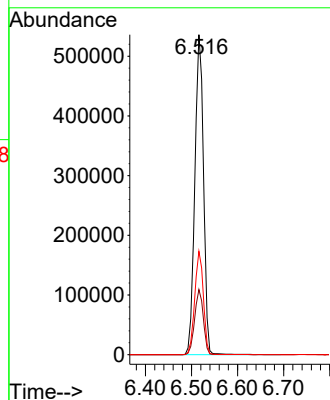
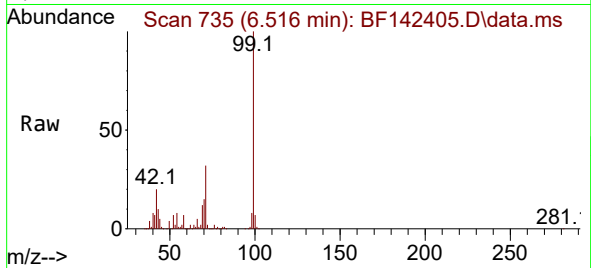




#7
Phenol-d6
Concen: 60.196 ng
RT: 6.516 min Scan# 71
Delta R.T. -0.006 min
Lab File: BF142405.D
Acq: 15 May 2025 21:34

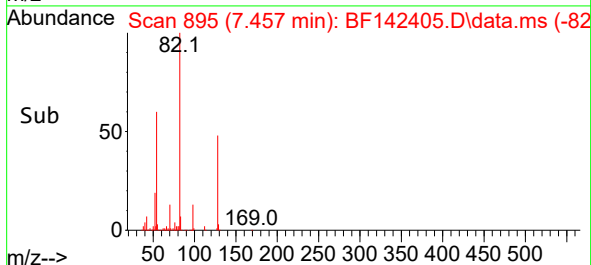
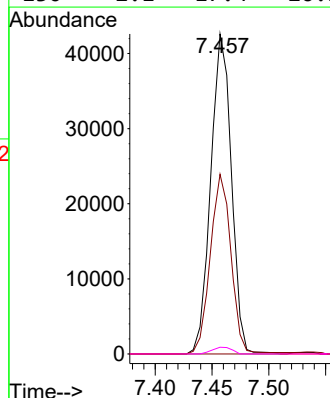
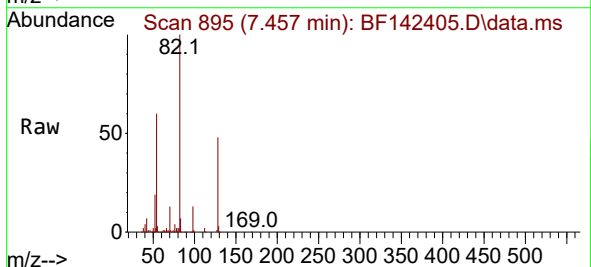
Instrument :
BNA_F
ClientSampleId :
MH-K

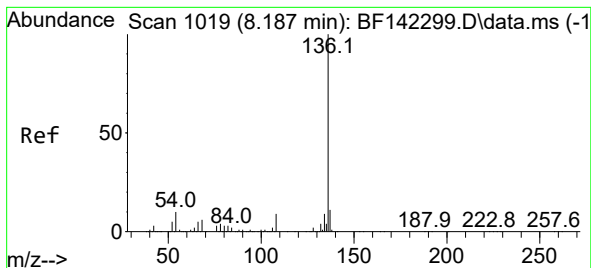
Tgt Ion: 99 Resp: 699618
Ion Ratio Lower Upper
99 100
42 20.4 17.0 25.4
71 32.3 25.8 38.8



#19
n-Nitroso-di-n-propylamine
Concen: 7.493 ng
RT: 7.457 min Scan# 895
Delta R.T. 0.141 min
Lab File: BF142405.D
Acq: 15 May 2025 21:34

Tgt Ion: 70 Resp: 53871
Ion Ratio Lower Upper
70 100
42 56.1 54.8 82.2
101 0.0 7.7 11.5#
130 2.1 17.4 26.2#





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.180 min Scan# 1

Delta R.T. -0.006 min

Lab File: BF142405.D

Acq: 15 May 2025 21:34

Instrument :

BNA_F

ClientSampleId :

MH-K

Tgt Ion:136 Resp: 610687

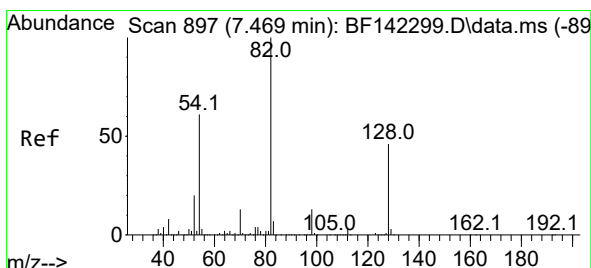
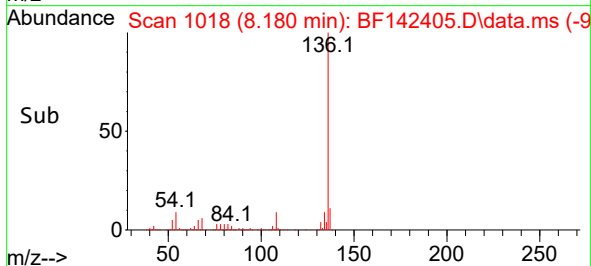
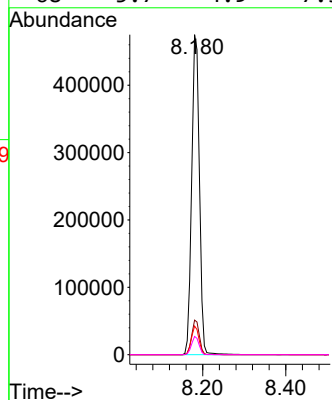
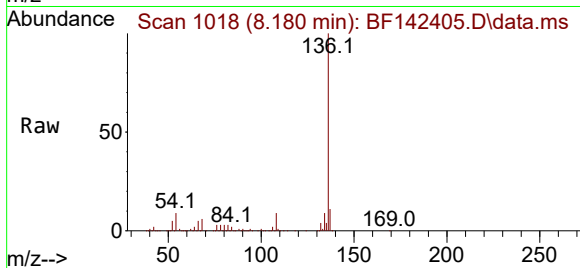
Ion Ratio Lower Upper

136 100

137 10.8 8.9 13.3

54 8.9 7.7 11.5

68 5.7 4.9 7.3



#23

Nitrobenzene-d5

Concen: 40.841 ng

RT: 7.457 min Scan# 895

Delta R.T. -0.012 min

Lab File: BF142405.D

Acq: 15 May 2025 21:34

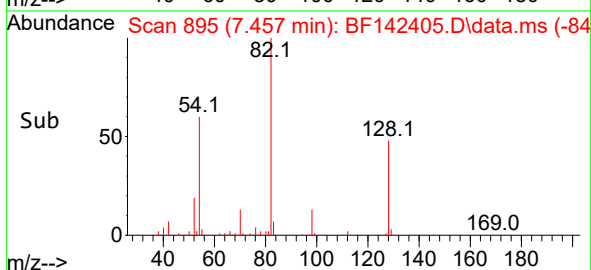
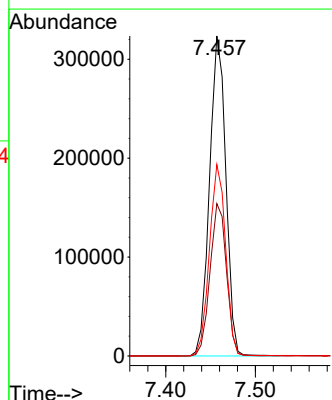
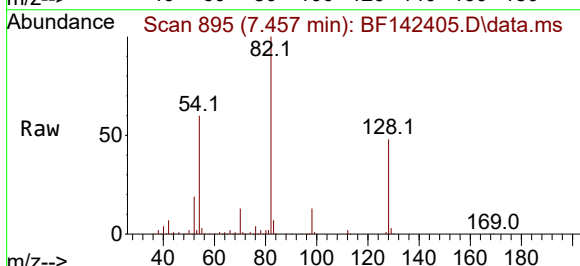
Tgt Ion: 82 Resp: 408957

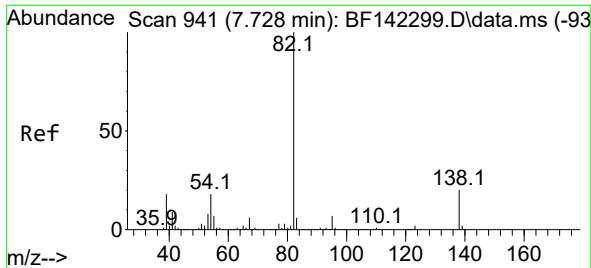
Ion Ratio Lower Upper

82 100

128 47.6 37.0 55.6

54 59.8 48.6 73.0

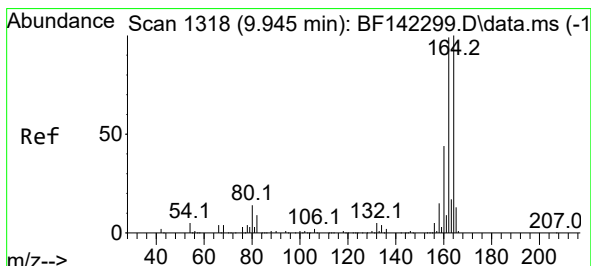
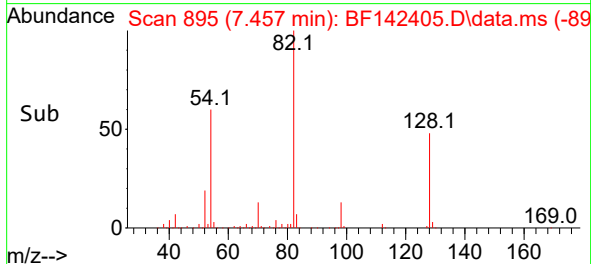
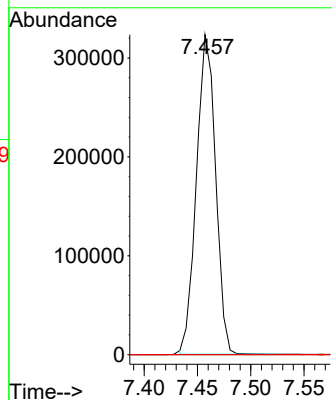
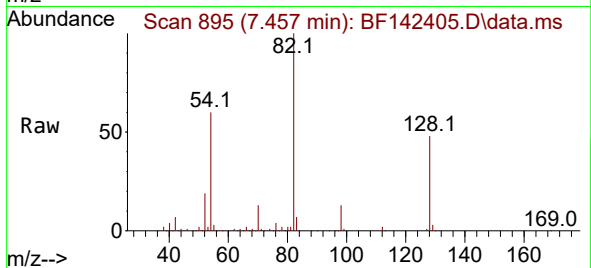




#25
Isophorone
Concen: 21.354 ng
RT: 7.457 min Scan# 895
Delta R.T. -0.271 min
Lab File: BF142405.D
Acq: 15 May 2025 21:34

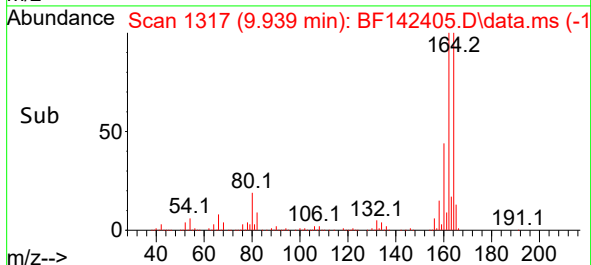
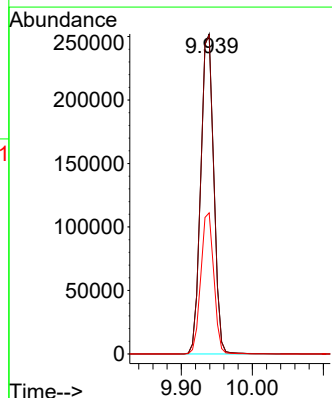
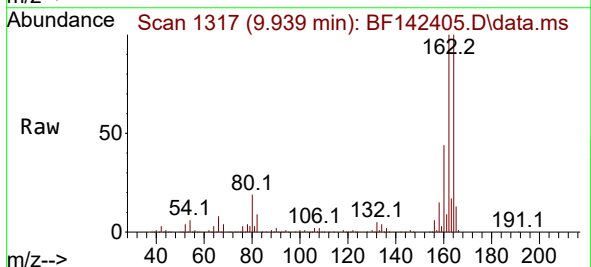
Instrument :
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ClientSampleId :
MH-K

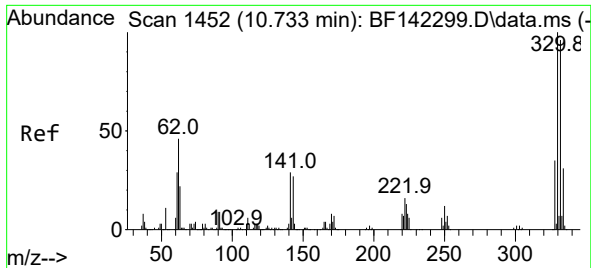
Tgt Ion: 82 Resp: 404902
Ion Ratio Lower Upper
82 100
95 0.0 5.8 8.8#
138 0.0 16.1 24.1#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.939 min Scan# 1317
Delta R.T. -0.006 min
Lab File: BF142405.D
Acq: 15 May 2025 21:34

Tgt Ion:164 Resp: 322946
Ion Ratio Lower Upper
164 100
162 99.6 79.2 118.8
160 44.1 35.3 52.9

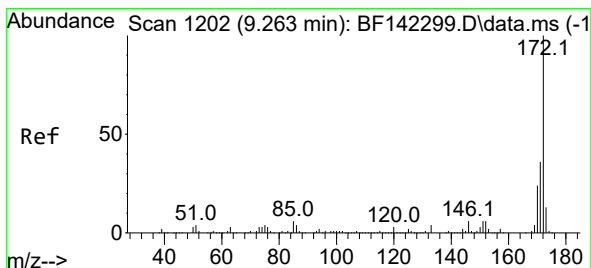
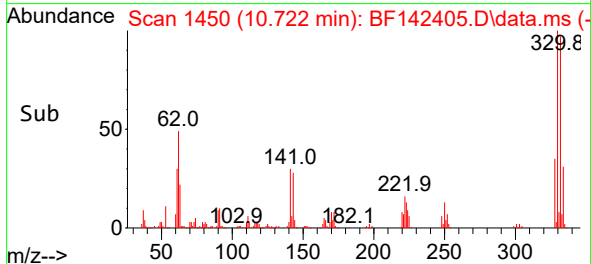
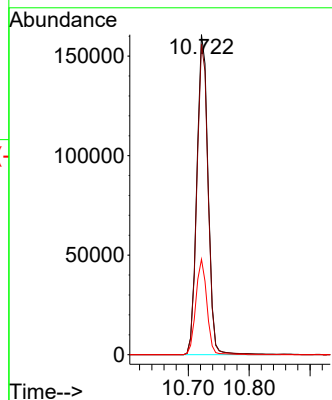
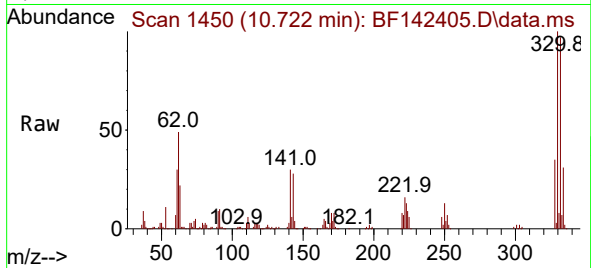




#42
2,4,6-Tribromophenol
Concen: 66.005 ng
RT: 10.722 min Scan# 1450
Delta R.T. -0.012 min
Lab File: BF142405.D
Acq: 15 May 2025 21:34

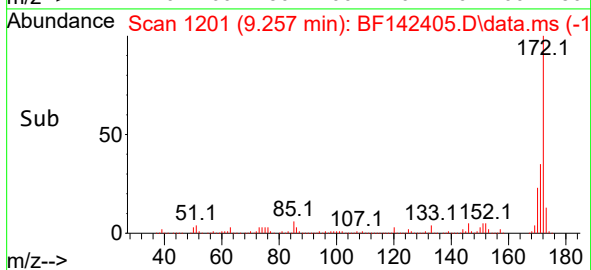
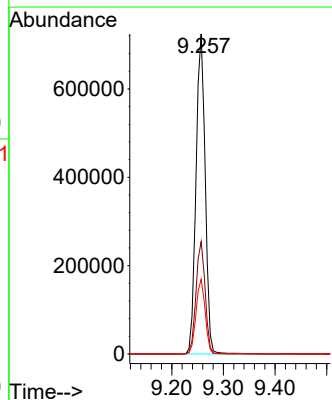
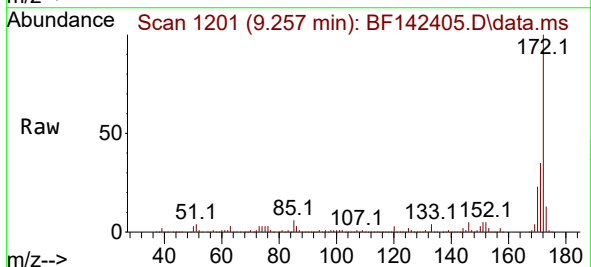
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BNA_F
ClientSampleId :
MH-K

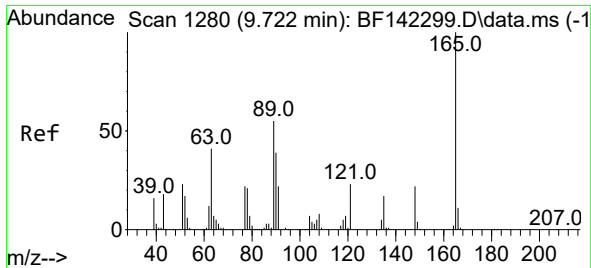
Tgt Ion:330 Resp: 205801
Ion Ratio Lower Upper
330 100
332 96.8 76.8 115.2
141 29.3 24.9 37.3



#45
2-Fluorobiphenyl
Concen: 39.536 ng
RT: 9.257 min Scan# 1201
Delta R.T. -0.006 min
Lab File: BF142405.D
Acq: 15 May 2025 21:34

Tgt Ion:172 Resp: 895448
Ion Ratio Lower Upper
172 100
171 35.1 28.6 42.8
170 23.3 19.0 28.4

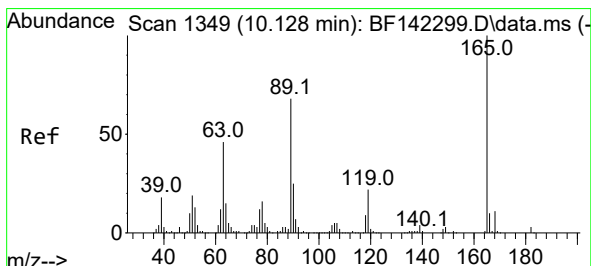
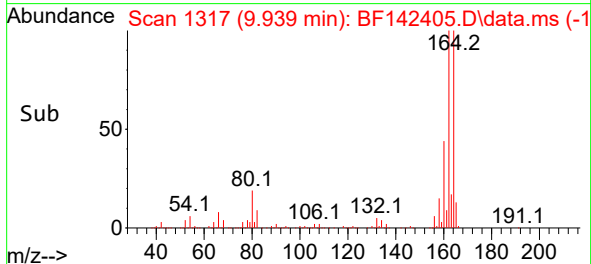
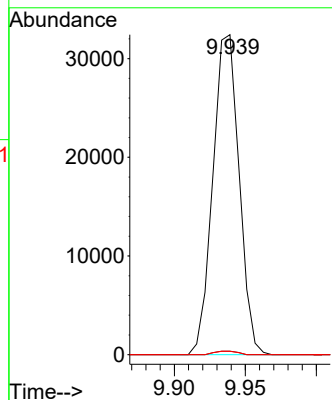
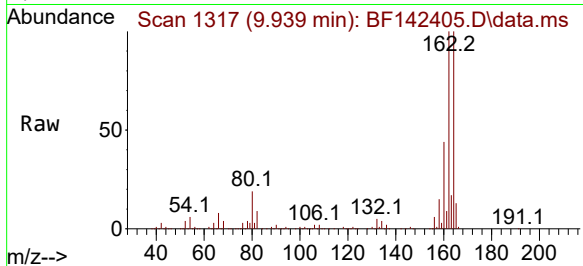




#51
2,6-Dinitrotoluene
Concen: 10.742 ng
RT: 9.939 min Scan# 1317
Delta R.T. 0.217 min
Lab File: BF142405.D
Acq: 15 May 2025 21:34

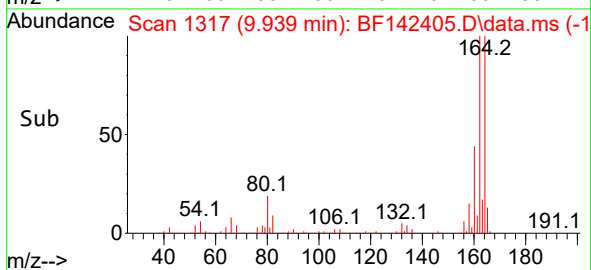
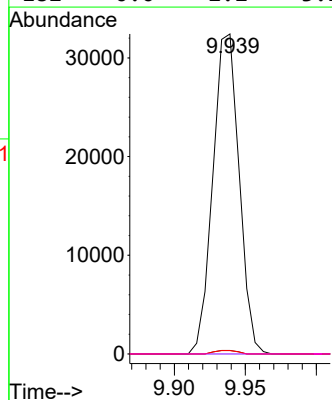
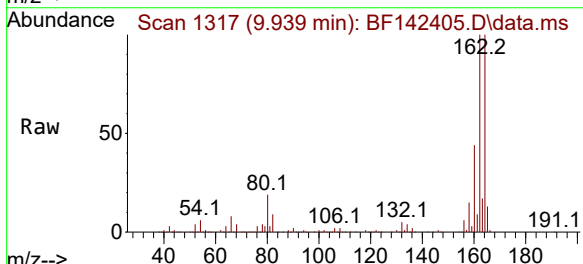
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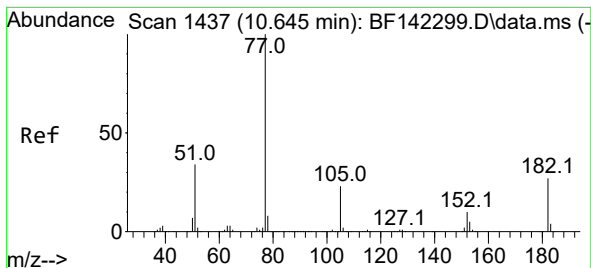
Tgt Ion:165 Resp: 41696
Ion Ratio Lower Upper
165 100
63 1.1 49.5 74.3#
89 1.0 44.6 66.8#



#57
2,4-Dinitrotoluene
Concen: 8.374 ng
RT: 9.939 min Scan# 1317
Delta R.T. -0.188 min
Lab File: BF142405.D
Acq: 15 May 2025 21:34

Tgt Ion:165 Resp: 41696
Ion Ratio Lower Upper
165 100
63 1.1 37.1 55.7#
89 1.0 54.4 81.6#
182 0.0 2.2 3.2#





#63

Azobenzene

Concen: 3.967 ng

RT: 10.645 min Scan# 14

Delta R.T. -0.000 min

Lab File: BF142405.D

Acq: 15 May 2025 21:34

Instrument :

BNA_F

ClientSampleId :

MH-K

Tgt Ion: 77 Resp: 78500

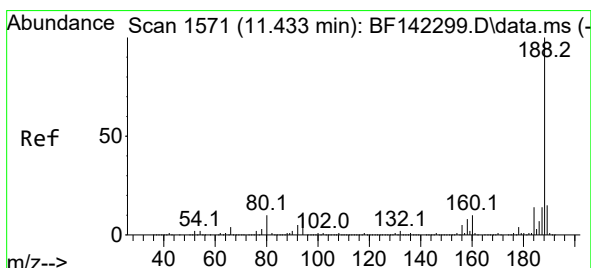
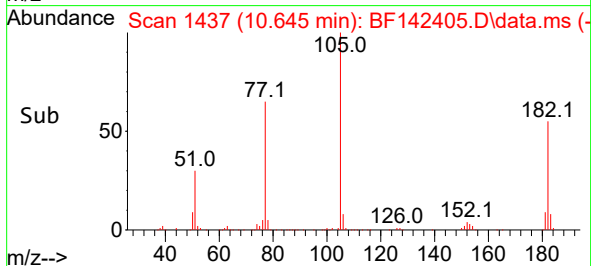
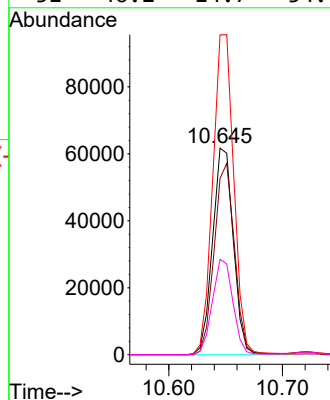
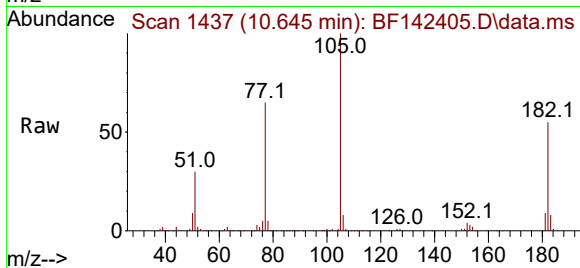
Ion Ratio Lower Upper

77 100

182 85.4 6.9 46.9#

105 154.8 2.7 42.7#

51 46.2 14.7 54.7



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.421 min Scan# 1569

Delta R.T. -0.012 min

Lab File: BF142405.D

Acq: 15 May 2025 21:34

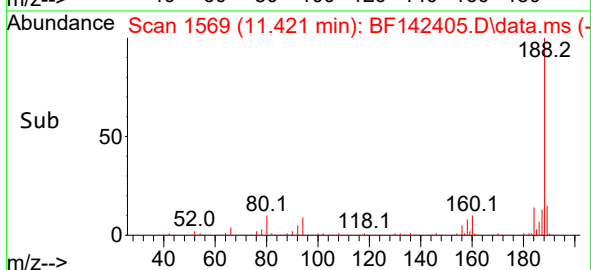
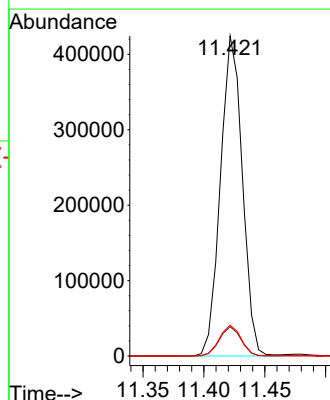
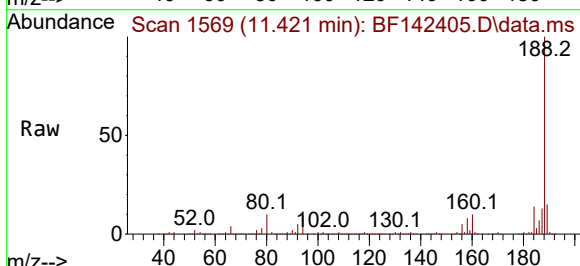
Tgt Ion:188 Resp: 531605

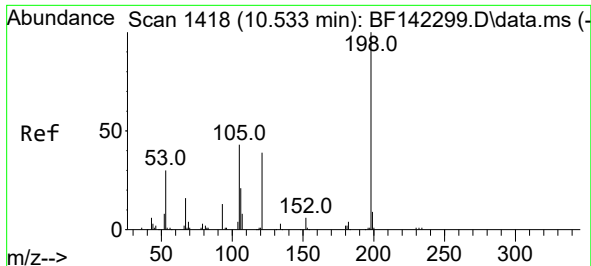
Ion Ratio Lower Upper

188 100

94 9.1 7.5 11.3

80 9.7 7.9 11.9

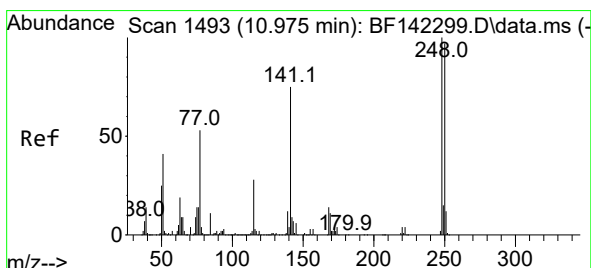
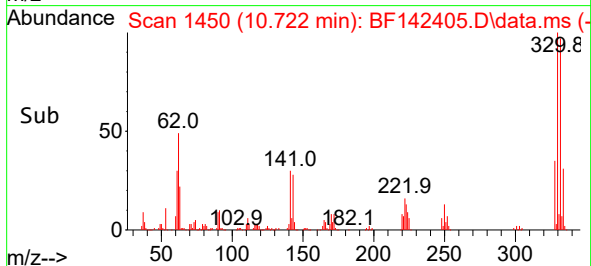
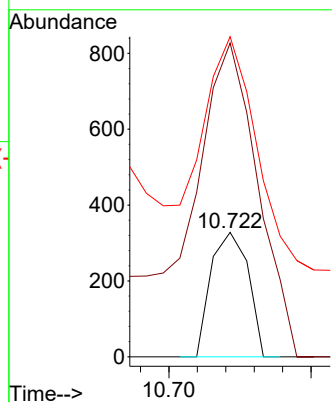
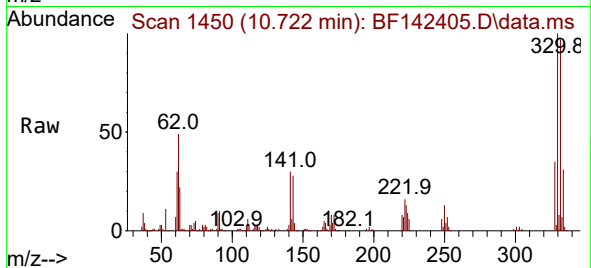




#65
4,6-Dinitro-2-methylphenol
Concen: 7.287 ng
RT: 10.722 min Scan# 1418
Delta R.T. 0.189 min
Lab File: BF142405.D
Acq: 15 May 2025 21:34

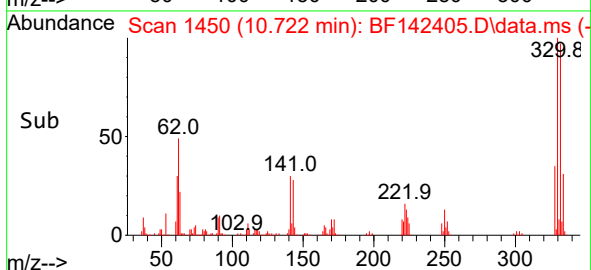
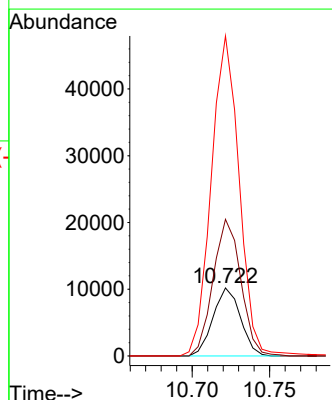
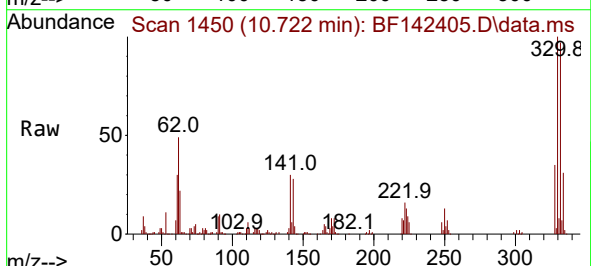
Instrument :
BNA_F
ClientSampleId :
MH-K

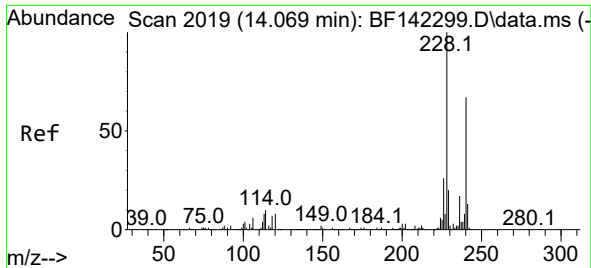
Tgt Ion:198 Resp: 298
Ion Ratio Lower Upper
198 100
51 252.1 32.9 72.9#
105 257.3 23.7 63.7#



#67
4-Bromophenyl-phenylether
Concen: 2.088 ng
RT: 10.722 min Scan# 1450
Delta R.T. -0.253 min
Lab File: BF142405.D
Acq: 15 May 2025 21:34

Tgt Ion:248 Resp: 12579
Ion Ratio Lower Upper
248 100
250 200.8 77.9 116.9#
141 470.1 59.8 89.8#

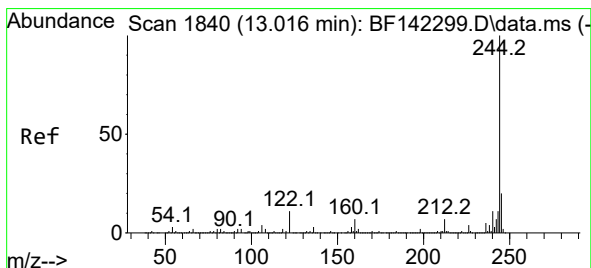
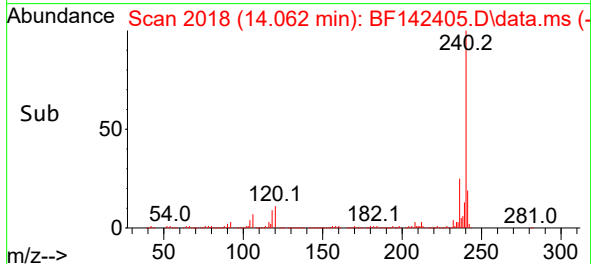
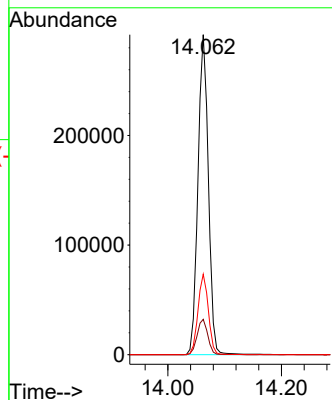
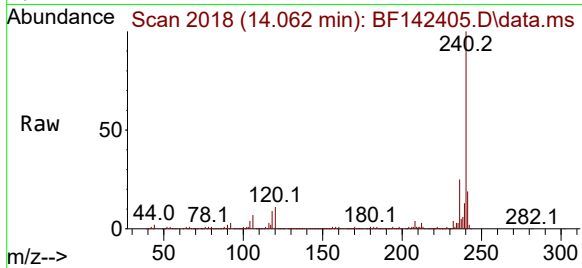




#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.062 min Scan# 20
Delta R.T. -0.006 min
Lab File: BF142405.D
Acq: 15 May 2025 21:34

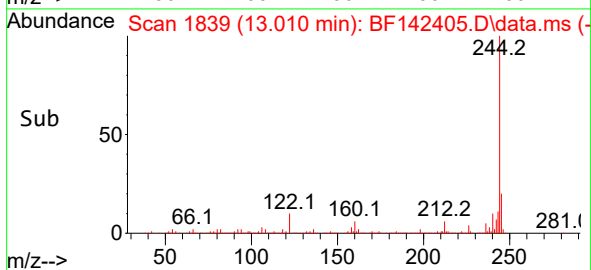
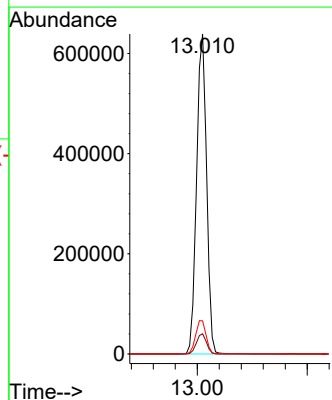
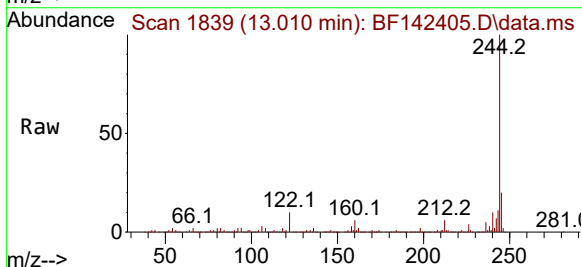
Instrument :
BNA_F
ClientSampleId :
MH-K

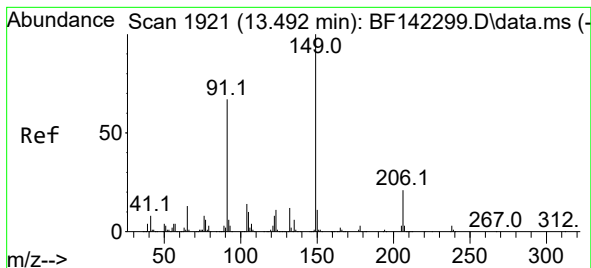
Tgt Ion:240 Resp: 373231
Ion Ratio Lower Upper
240 100
120 11.1 9.7 14.5
236 25.1 20.0 30.0



#79
Terphenyl-d14
Concen: 31.991 ng
RT: 13.010 min Scan# 1839
Delta R.T. -0.006 min
Lab File: BF142405.D
Acq: 15 May 2025 21:34

Tgt Ion:244 Resp: 806708
Ion Ratio Lower Upper
244 100
212 6.3 5.4 8.2
122 10.4 9.0 13.4





#80

Butylbenzylphthalate

Concen: 3.696 ng

RT: 13.486 min Scan# 1921

Delta R.T. -0.006 min

Lab File: BF142405.D

Acq: 15 May 2025 21:34

Instrument :

BNA_F

ClientSampleId :

MH-K

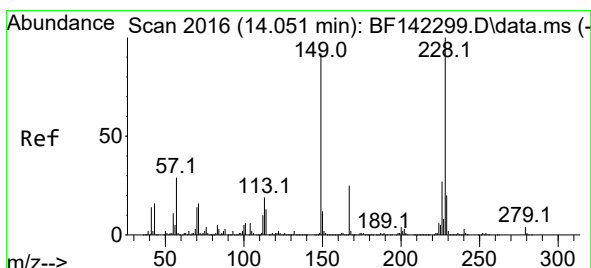
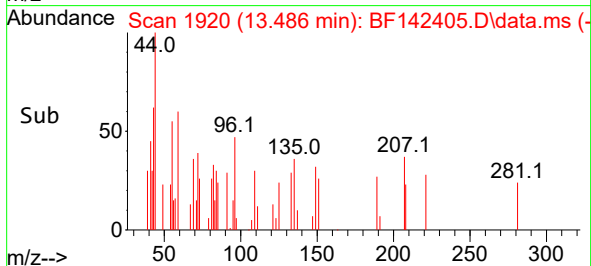
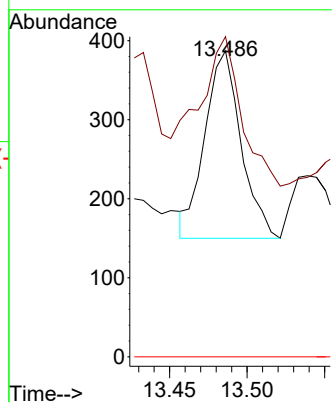
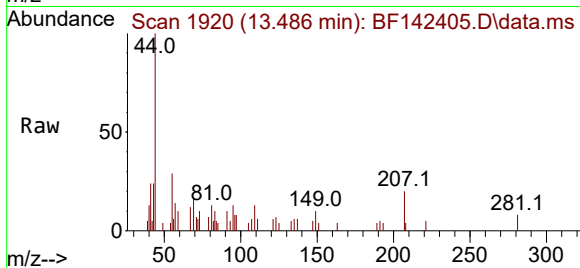
Tgt Ion:149 Resp: 383

Ion Ratio Lower Upper

149 100

91 104.7 53.8 80.6#

206 0.0 16.6 24.8#



#84

Bis(2-ethylhexyl)phthalate

Concen: 4.471 ng

RT: 14.045 min Scan# 2015

Delta R.T. -0.006 min

Lab File: BF142405.D

Acq: 15 May 2025 21:34

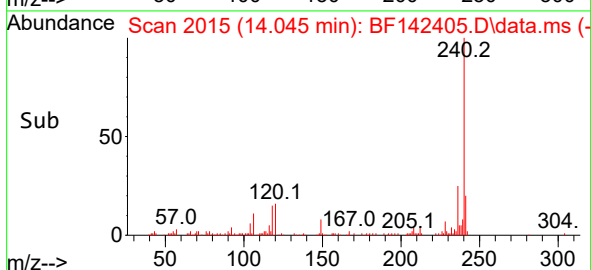
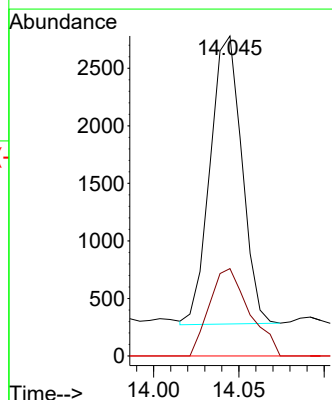
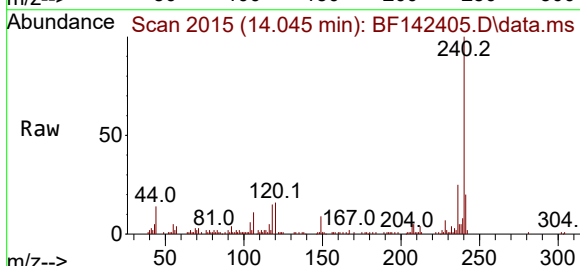
Tgt Ion:149 Resp: 3239

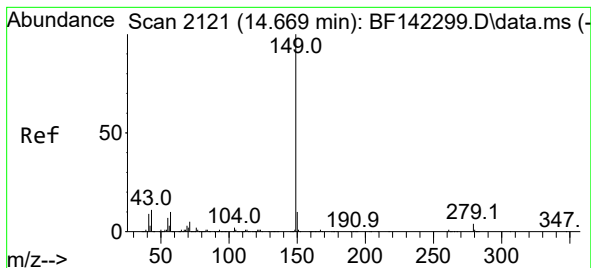
Ion Ratio Lower Upper

149 100

167 27.3 22.0 33.0

279 0.0 3.0 4.6#





#85

Di-n-octyl phthalate

Concen: 7.856 ng

RT: 14.657 min Scan# 2119

Delta R.T. -0.012 min

Lab File: BF142405.D

Acq: 15 May 2025 21:34

Instrument :

BNA_F

ClientSampleId :

MH-K

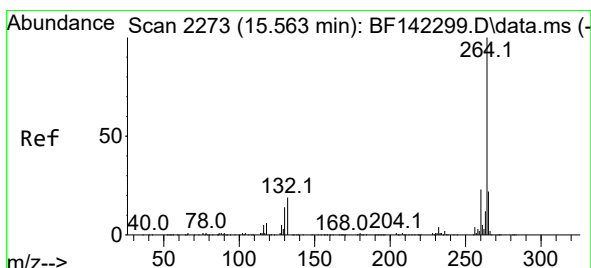
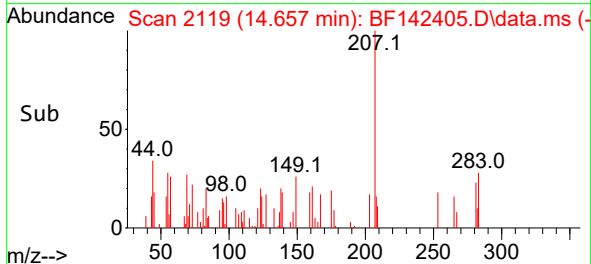
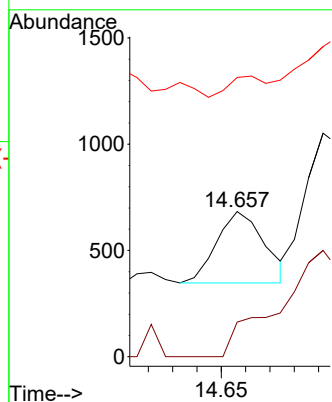
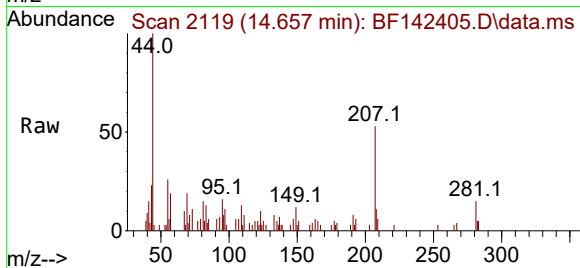
Tgt Ion:149 Resp: 455

Ion Ratio Lower Upper

149 100

167 0.0 1.1 1.7#

43 0.0 9.2 13.8#



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.551 min Scan# 2271

Delta R.T. -0.012 min

Lab File: BF142405.D

Acq: 15 May 2025 21:34

Tgt Ion:264 Resp: 308553

Ion Ratio Lower Upper

264 100

260 23.4 18.6 27.8

265 21.4 17.5 26.3

