

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF051525\
 Data File : BF142414.D
 Acq On : 16 May 2025 01:56
 Operator : RC/JU
 Sample : Q2039-01
 Misc :
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TR-05-05142025

Quant Time: May 16 03:04:07 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

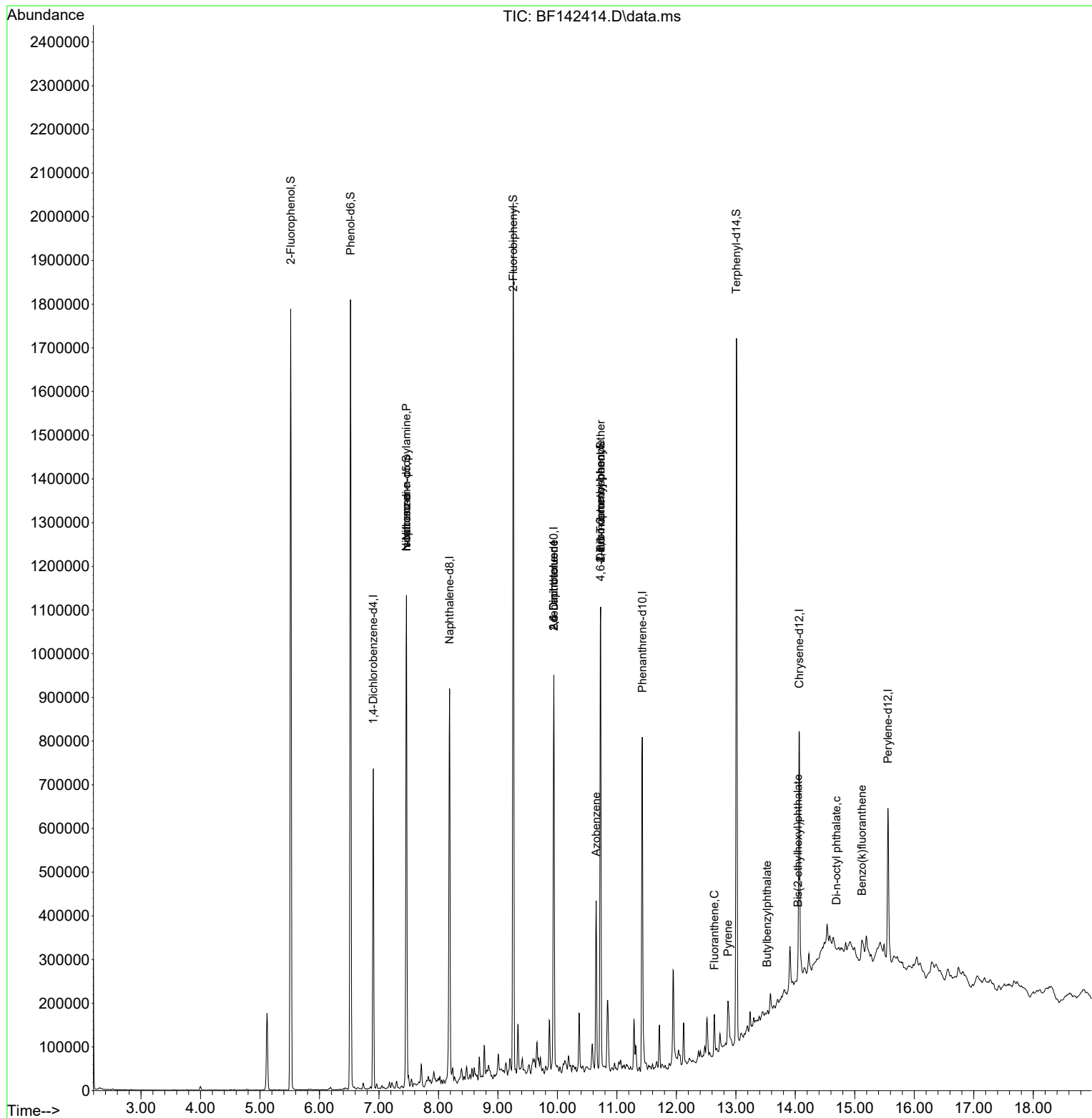
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.904	152	156216	20.000	ng	0.00
21) Naphthalene-d8	8.187	136	556713	20.000	ng	0.00
39) Acenaphthene-d10	9.939	164	264565	20.000	ng	0.00
64) Phenanthrene-d10	11.428	188	401971	20.000	ng	0.00
76) Chrysene-d12	14.069	240	275728	20.000	ng	0.00
86) Perylene-d12	15.557	264	214196	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.516	112	679110	74.211	ng	0.00
7) Phenol-d6	6.522	99	830613	73.799	ng	0.00
23) Nitrobenzene-d5	7.463	82	461373	50.543	ng	0.00
42) 2,4,6-Tribromophenol	10.728	330	188343	73.735	ng	0.00
45) 2-Fluorobiphenyl	9.257	172	874627	47.138	ng	0.00
79) Terphenyl-d14	13.010	244	786526	42.221	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propyla...	7.463	70	64296	9.235	ng	# 76
25) Isophorone	7.463	82	452690	26.188	ng	# 62
51) 2,6-Dinitrotoluene	9.939	165	34551	10.865	ng	# 23
57) 2,4-Dinitrotoluene	9.939	165	34551	8.471	ng	# 25
63) Azobenzene	10.651	77	89964	5.549	ng	# 1
65) 4,6-Dinitro-2-methylph...	10.722	198	307	7.324	ng	# 1
67) 4-Bromophenyl-phenylether	10.728	248	11831	2.597	ng	# 1
75) Fluoranthene	12.639	202	48119	2.285	ng	98
78) Pyrene	12.869	202	55262	2.252	ng	98
80) Butylbenzylphthalate	13.527	149	264	3.693	ng	# 44
84) Bis(2-ethylhexyl)phtha...	14.045	149	10872	5.300	ng	# 89
85) Di-n-octyl phthalate	14.692	149	774	7.878	ng	# 57
89) Benzo(k)fluoranthene	15.121	252	24824	2.091	ng	# 76

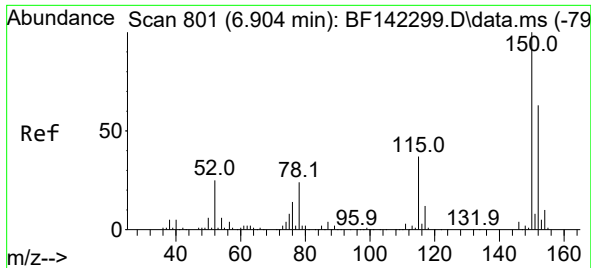
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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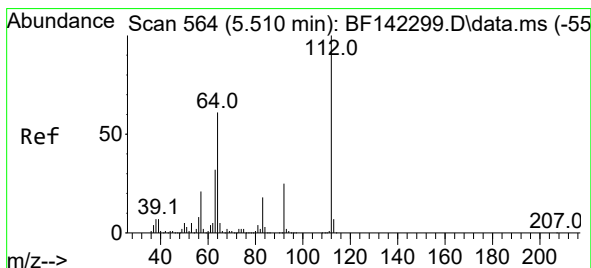
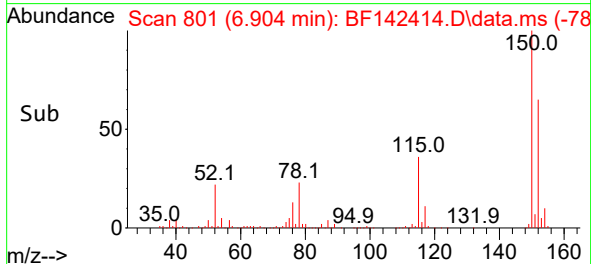
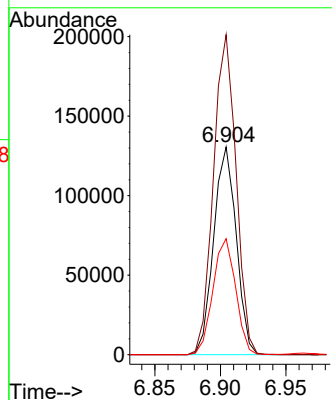
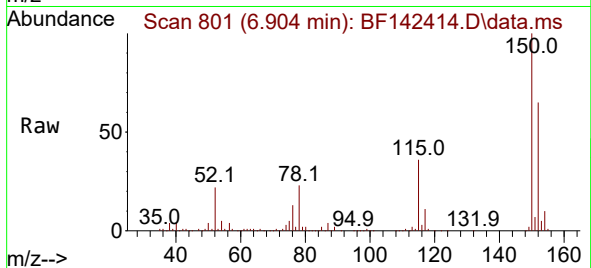




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.904 min Scan# 801
Delta R.T. 0.000 min
Lab File: BF142414.D
Acq: 16 May 2025 01:56

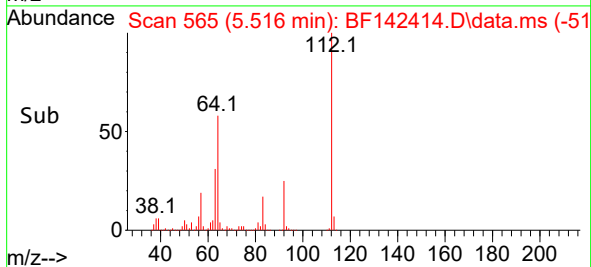
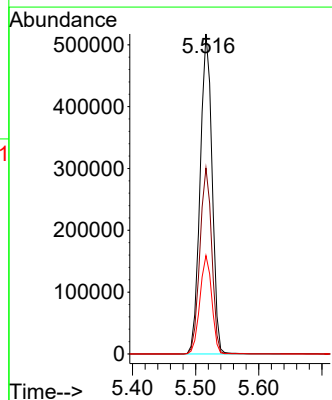
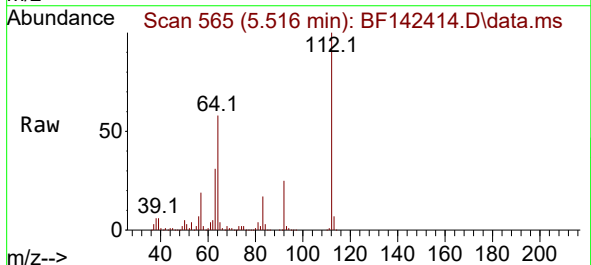
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BNA_F
ClientSampleId :
TR-05-05142025

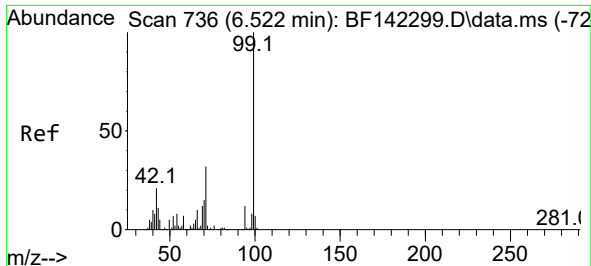
Tgt Ion:152 Resp: 156216
Ion Ratio Lower Upper
152 100
150 154.0 126.6 190.0
115 55.9 47.3 70.9



#5
2-Fluorophenol
Concen: 74.211 ng
RT: 5.516 min Scan# 565
Delta R.T. 0.006 min
Lab File: BF142414.D
Acq: 16 May 2025 01:56

Tgt Ion:112 Resp: 679110
Ion Ratio Lower Upper
112 100
64 58.1 48.9 73.3
63 30.7 25.6 38.4

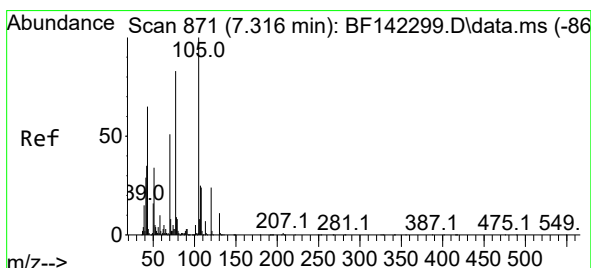
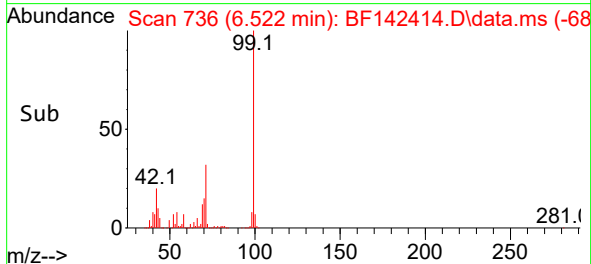
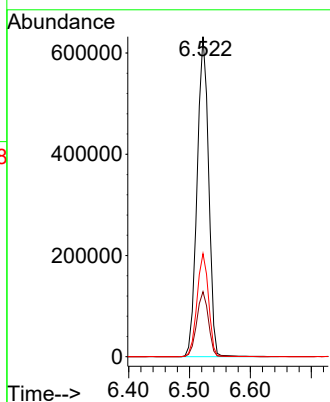
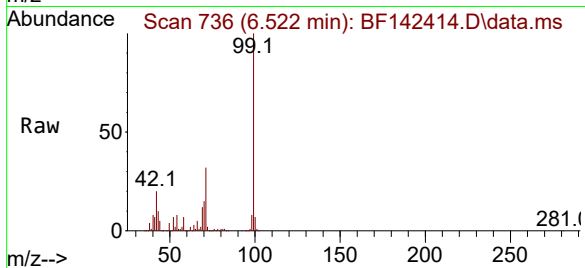




#7
Phenol-d6
Concen: 73.799 ng
RT: 6.522 min Scan# 71
Delta R.T. 0.000 min
Lab File: BF142414.D
Acq: 16 May 2025 01:56

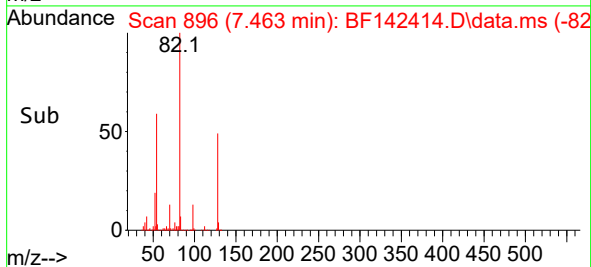
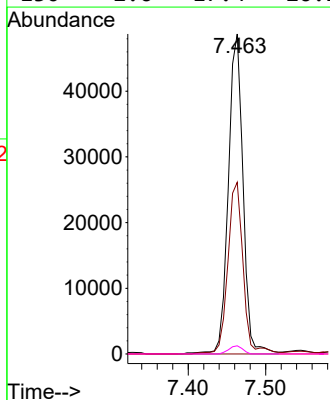
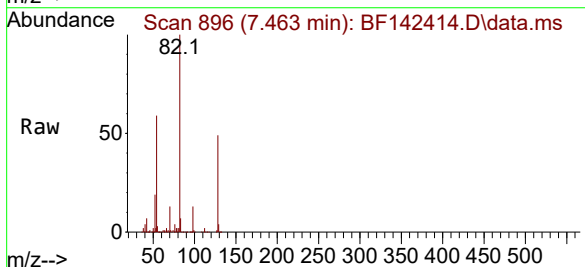
Instrument :
BNA_F
ClientSampleId :
TR-05-05142025

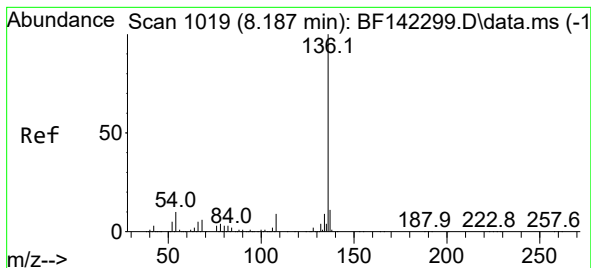
Tgt Ion: 99 Resp: 830613
Ion Ratio Lower Upper
99 100
42 20.3 17.0 25.4
71 32.2 25.8 38.8



#19
n-Nitroso-di-n-propylamine
Concen: 9.235 ng
RT: 7.463 min Scan# 896
Delta R.T. 0.147 min
Lab File: BF142414.D
Acq: 16 May 2025 01:56

Tgt Ion: 70 Resp: 64296
Ion Ratio Lower Upper
70 100
42 53.6 54.8 82.2#
101 0.0 7.7 11.5#
130 2.6 17.4 26.2#





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.187 min Scan# 1019

Delta R.T. 0.000 min

Lab File: BF142414.D

Acq: 16 May 2025 01:56

Instrument :

BNA_F

ClientSampleId :

TR-05-05142025

Tgt Ion:136 Resp: 556713

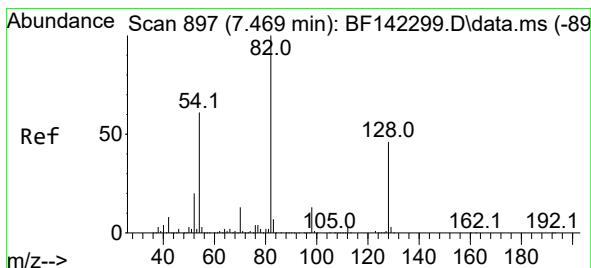
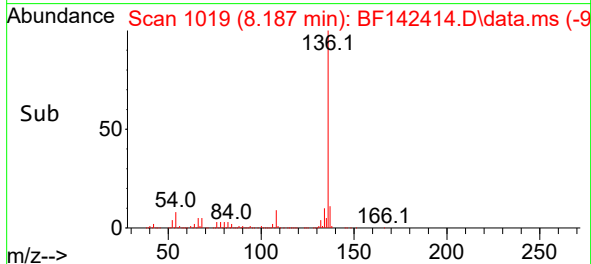
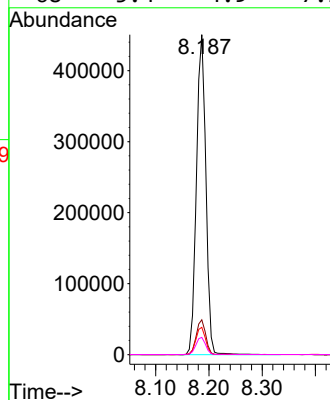
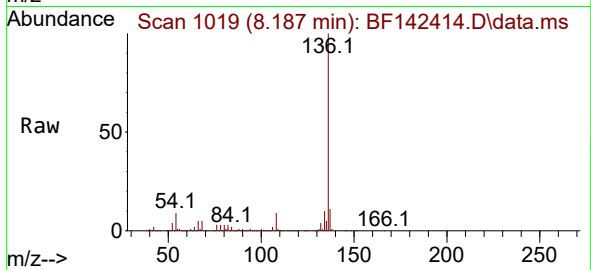
Ion Ratio Lower Upper

136 100

137 10.9 8.9 13.3

54 8.5 7.7 11.5

68 5.4 4.9 7.3



#23

Nitrobenzene-d5

Concen: 50.543 ng

RT: 7.463 min Scan# 896

Delta R.T. -0.006 min

Lab File: BF142414.D

Acq: 16 May 2025 01:56

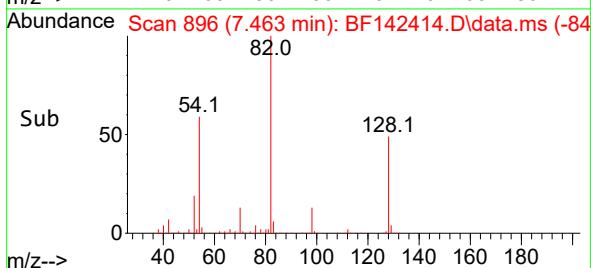
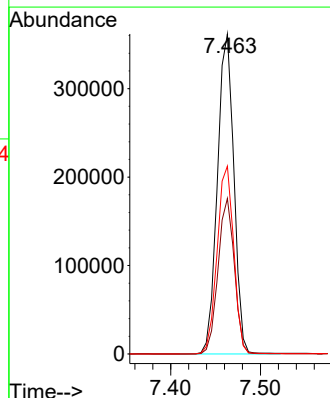
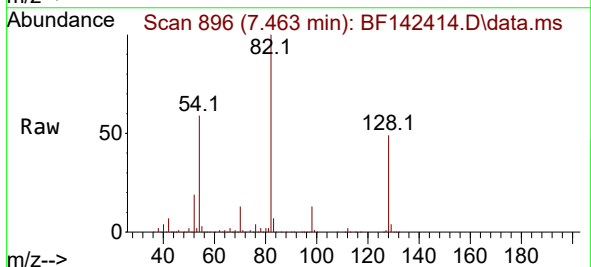
Tgt Ion: 82 Resp: 461373

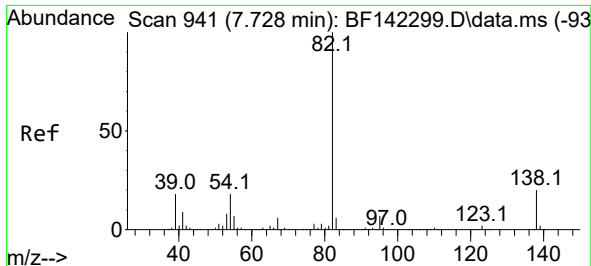
Ion Ratio Lower Upper

82 100

128 48.6 37.0 55.6

54 58.7 48.6 73.0

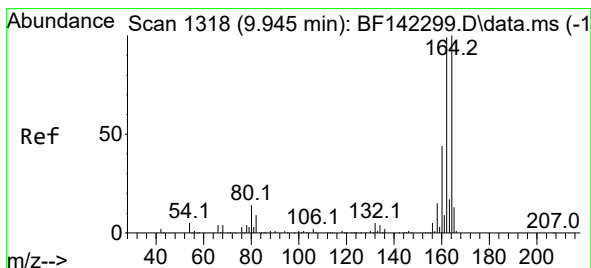
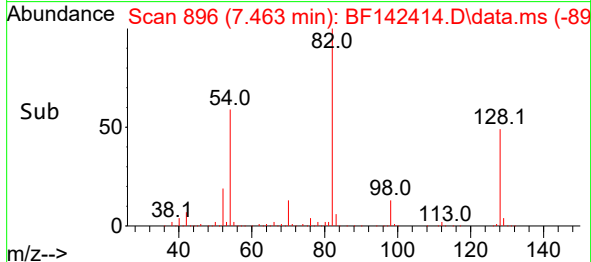
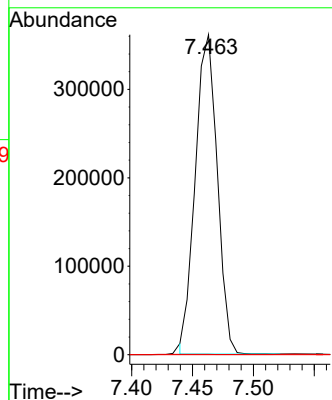
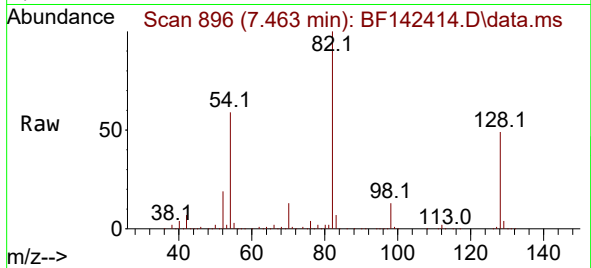




#25
Isophorone
Concen: 26.188 ng
RT: 7.463 min Scan# 896
Delta R.T. -0.265 min
Lab File: BF142414.D
Acq: 16 May 2025 01:56

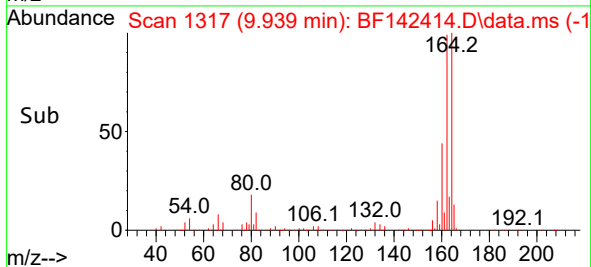
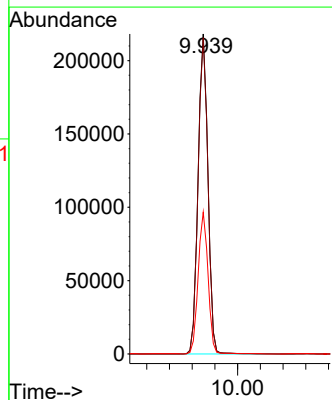
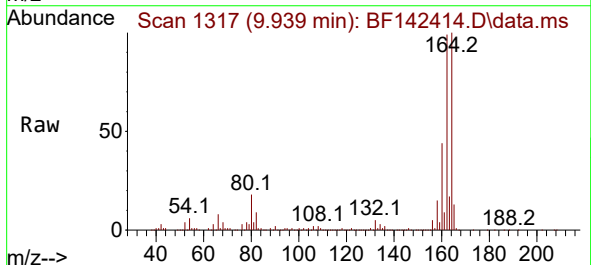
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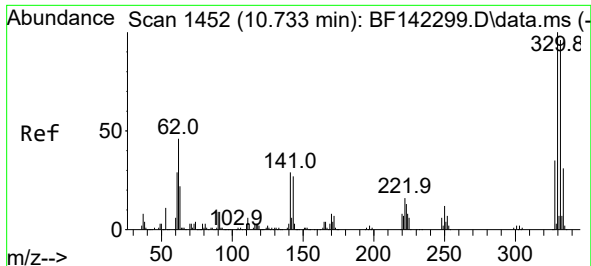
Tgt Ion: 82 Resp: 452690
Ion Ratio Lower Upper
82 100
95 0.1 5.8 8.8#
138 0.0 16.1 24.1#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.939 min Scan# 1317
Delta R.T. -0.006 min
Lab File: BF142414.D
Acq: 16 May 2025 01:56

Tgt Ion:164 Resp: 264565
Ion Ratio Lower Upper
164 100
162 98.8 79.2 118.8
160 44.3 35.3 52.9

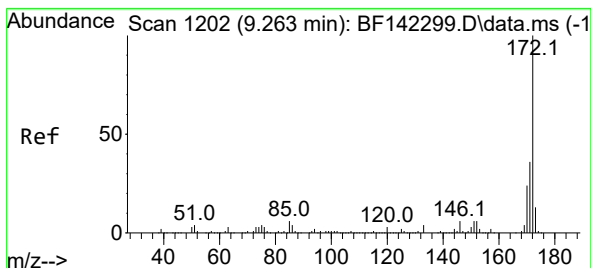
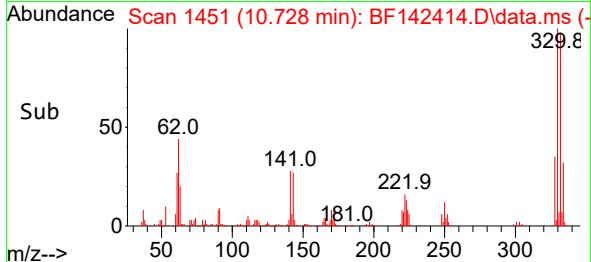
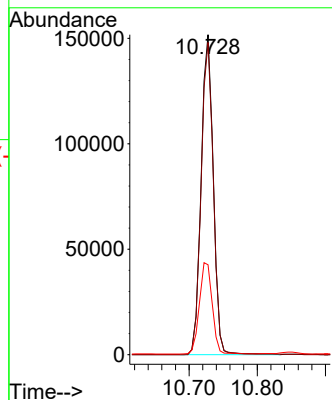
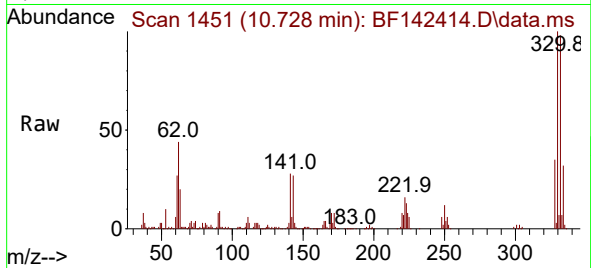




#42
2,4,6-Tribromophenol
Concen: 73.735 ng
RT: 10.728 min Scan# 1451
Delta R.T. -0.006 min
Lab File: BF142414.D
Acq: 16 May 2025 01:56

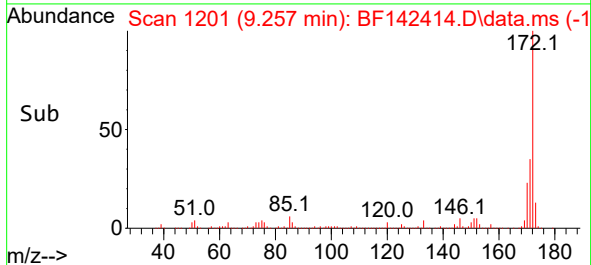
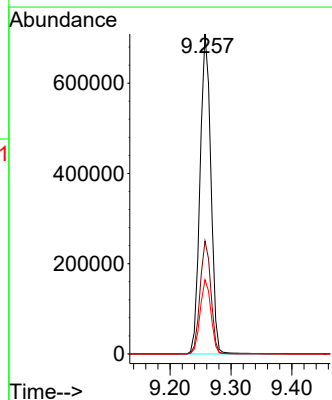
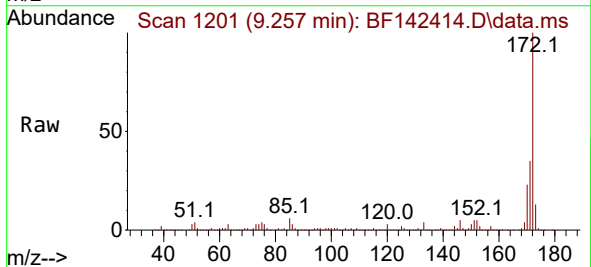
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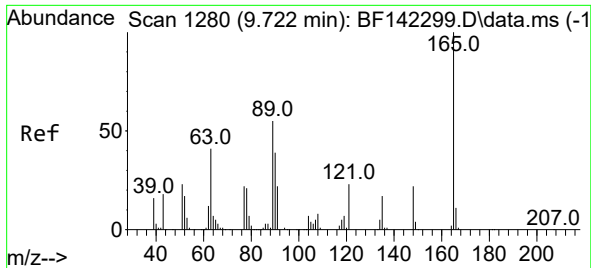
Tgt Ion:330 Resp: 188343
Ion Ratio Lower Upper
330 100
332 97.9 76.8 115.2
141 30.1 24.9 37.3



#45
2-Fluorobiphenyl
Concen: 47.138 ng
RT: 9.257 min Scan# 1201
Delta R.T. -0.006 min
Lab File: BF142414.D
Acq: 16 May 2025 01:56

Tgt Ion:172 Resp: 874627
Ion Ratio Lower Upper
172 100
171 35.3 28.6 42.8
170 23.2 19.0 28.4

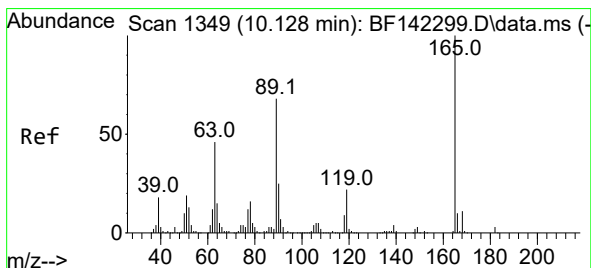
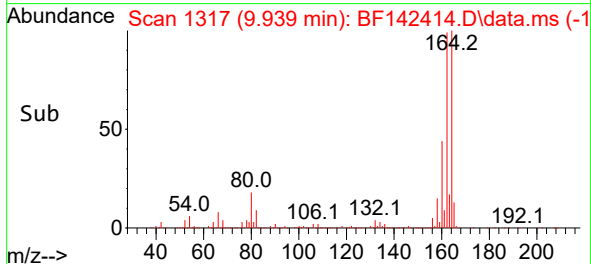
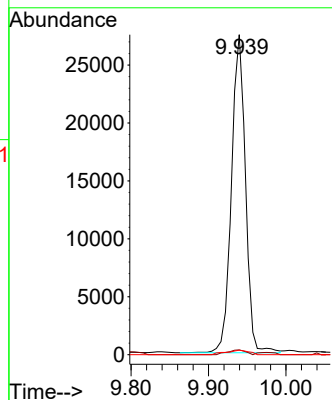
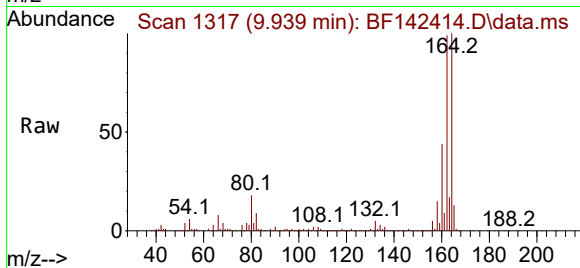




#51
2,6-Dinitrotoluene
Concen: 10.865 ng
RT: 9.939 min Scan# 1317
Delta R.T. 0.218 min
Lab File: BF142414.D
Acq: 16 May 2025 01:56

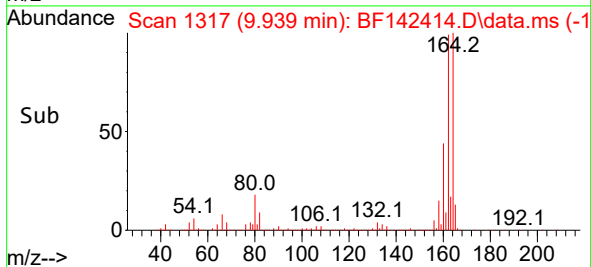
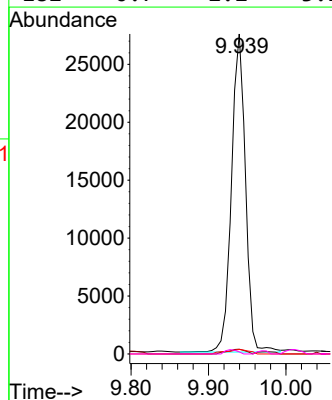
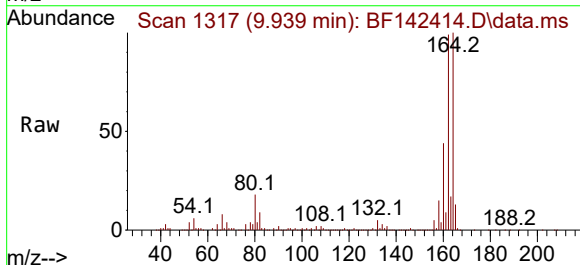
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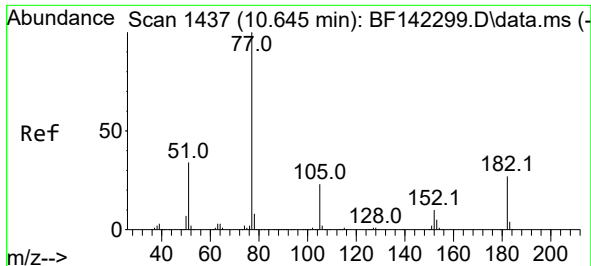
Tgt Ion:165 Resp: 34551
Ion Ratio Lower Upper
165 100
63 1.5 49.5 74.3#
89 1.4 44.6 66.8#



#57
2,4-Dinitrotoluene
Concen: 8.471 ng
RT: 9.939 min Scan# 1317
Delta R.T. -0.188 min
Lab File: BF142414.D
Acq: 16 May 2025 01:56

Tgt Ion:165 Resp: 34551
Ion Ratio Lower Upper
165 100
63 1.5 37.1 55.7#
89 1.4 54.4 81.6#
182 0.7 2.2 3.2#

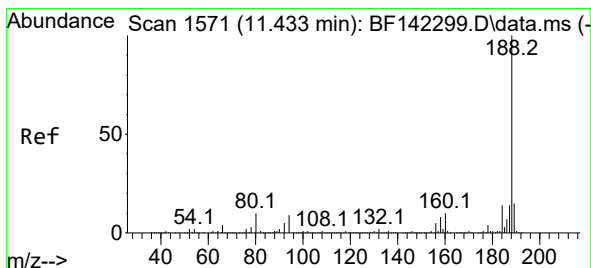
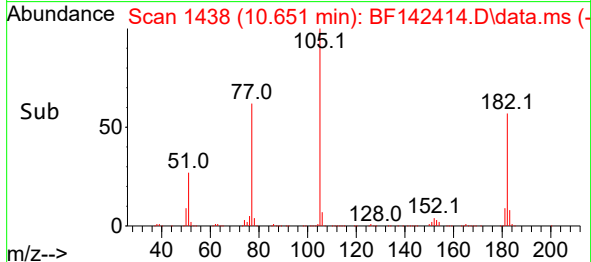
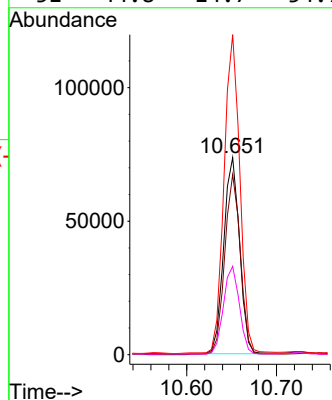
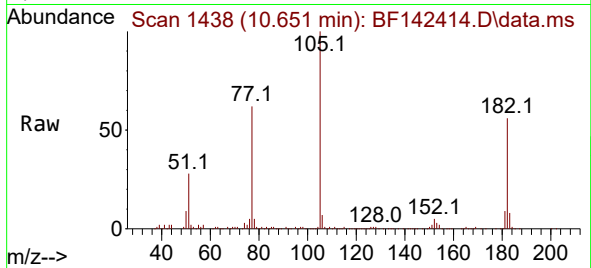




#63
Azobenzene
Concen: 5.549 ng
RT: 10.651 min Scan# 14
Delta R.T. 0.006 min
Lab File: BF142414.D
Acq: 16 May 2025 01:56

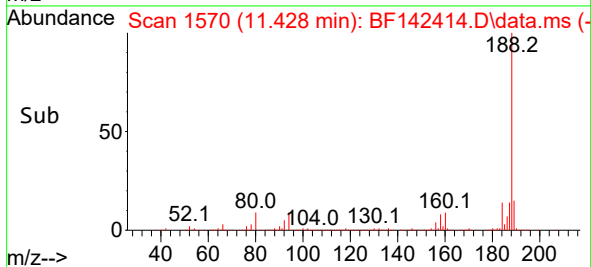
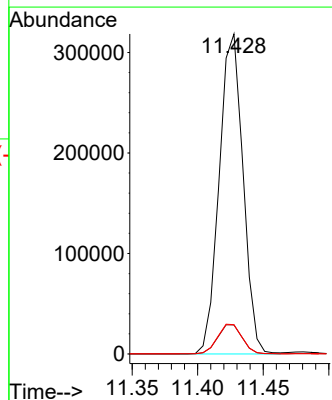
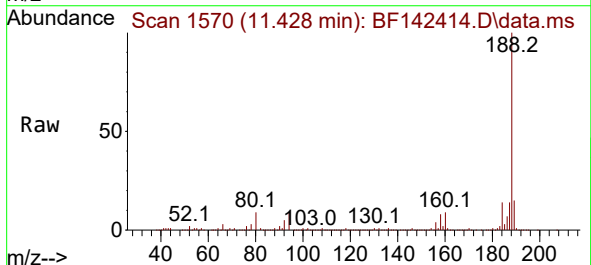
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TR-05-05142025

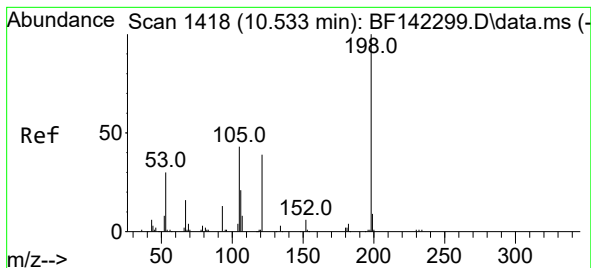
Tgt Ion:	77	Resp:	89964
Ion Ratio	Lower	Upper	
77	100		
182	91.4	6.9	46.9#
105	162.3	2.7	42.7#
51	44.8	14.7	54.7



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.428 min Scan# 1570
Delta R.T. -0.006 min
Lab File: BF142414.D
Acq: 16 May 2025 01:56

Tgt Ion:	188	Resp:	401971
Ion Ratio	Lower	Upper	
188	100		
94	9.1	7.5	11.3
80	9.2	7.9	11.9

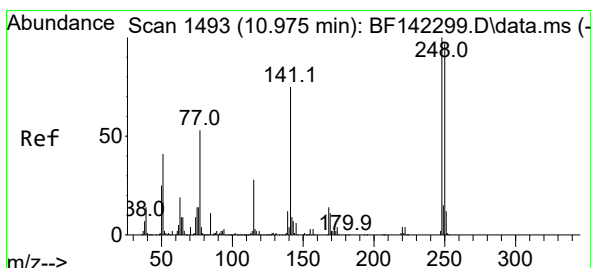
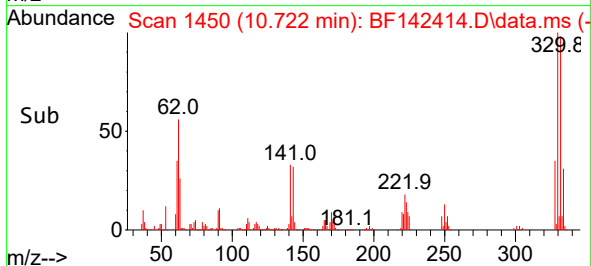
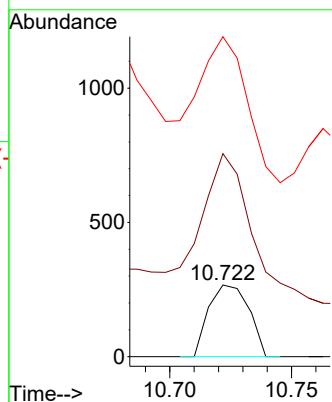
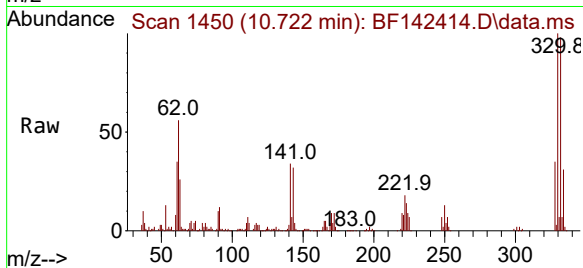




#65
4,6-Dinitro-2-methylphenol
Concen: 7.324 ng
RT: 10.722 min Scan# 1418
Delta R.T. 0.189 min
Lab File: BF142414.D
Acq: 16 May 2025 01:56

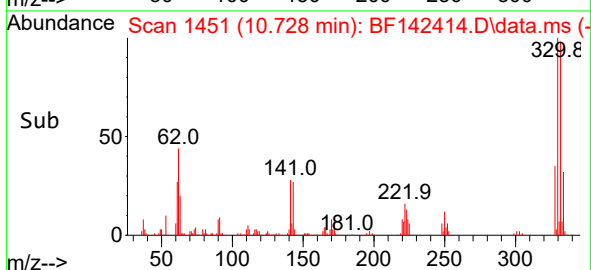
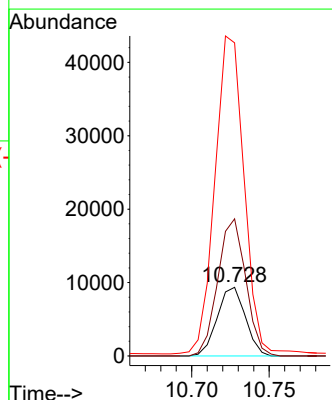
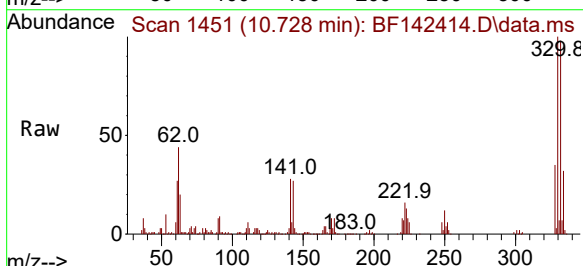
Instrument :
BNA_F
ClientSampleId :
TR-05-05142025

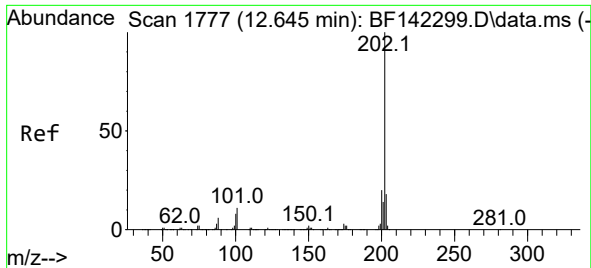
Tgt Ion:198 Resp: 307
Ion Ratio Lower Upper
198 100
51 283.1 32.9 72.9#
105 446.4 23.7 63.7#



#67
4-Bromophenyl-phenylether
Concen: 2.597 ng
RT: 10.728 min Scan# 1451
Delta R.T. -0.247 min
Lab File: BF142414.D
Acq: 16 May 2025 01:56

Tgt Ion:248 Resp: 11831
Ion Ratio Lower Upper
248 100
250 199.6 77.9 116.9#
141 455.8 59.8 89.8#

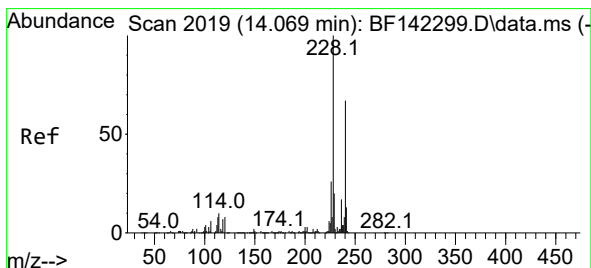
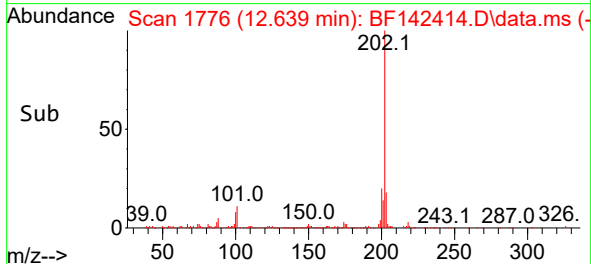
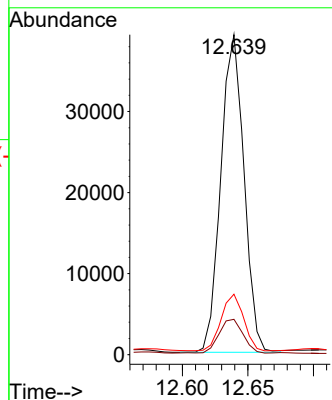
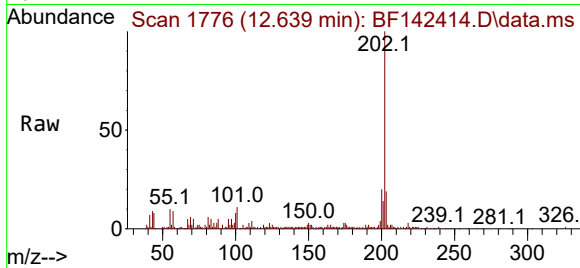




#75
Fluoranthene
Concen: 2.285 ng
RT: 12.639 min Scan# 1776
Delta R.T. -0.006 min
Lab File: BF142414.D
Acq: 16 May 2025 01:56

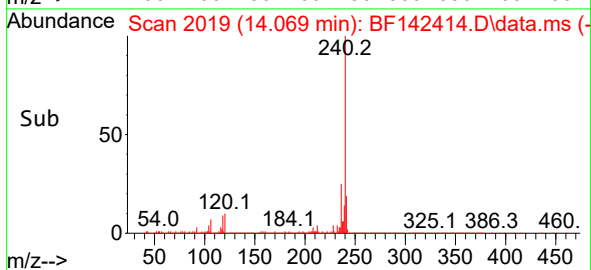
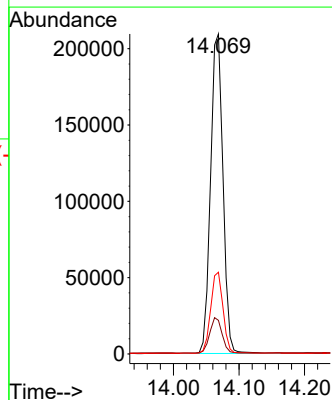
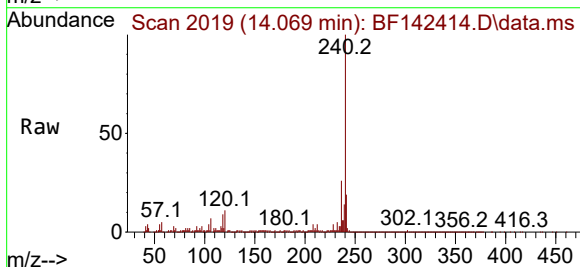
Instrument :
BNA_F
ClientSampleId :
TR-05-05142025

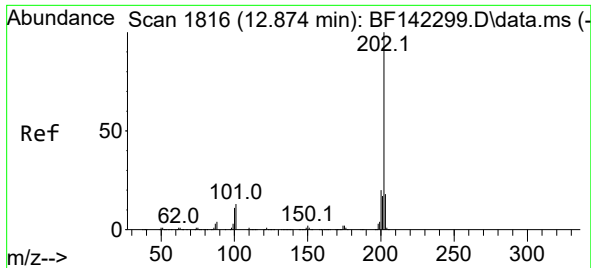
Tgt Ion:	202	Resp:	48119
Ion Ratio	Lower	Upper	
202	100		
101	11.0	0.0	31.4
203	18.9	0.0	37.9



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.069 min Scan# 2019
Delta R.T. 0.000 min
Lab File: BF142414.D
Acq: 16 May 2025 01:56

Tgt Ion:	240	Resp:	275728
Ion Ratio	Lower	Upper	
240	100		
120	10.5	9.7	14.5
236	25.5	20.0	30.0

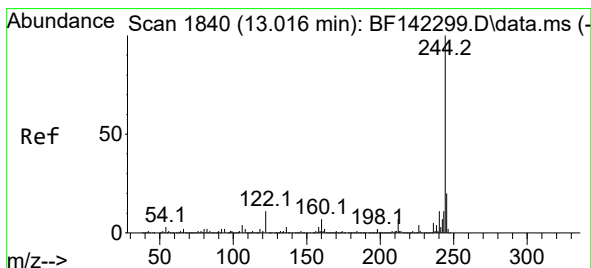
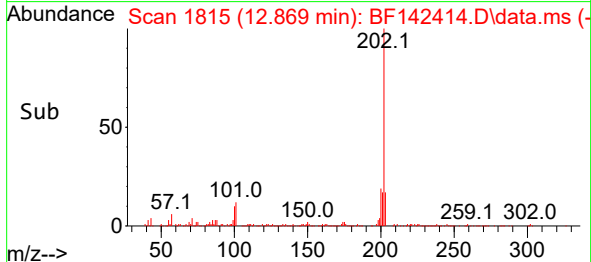
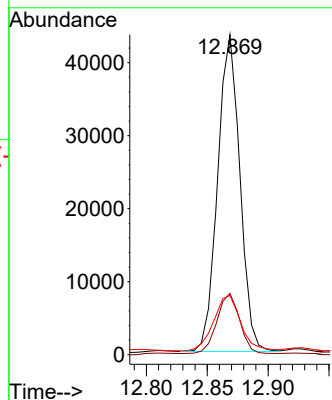
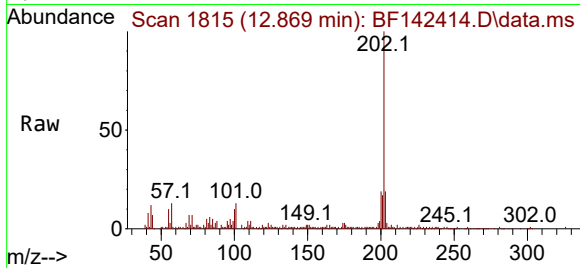




#78
 Pyrene
 Concen: 2.252 ng
 RT: 12.869 min Scan# 1815
 Delta R.T. -0.006 min
 Lab File: BF142414.D
 Acq: 16 May 2025 01:56

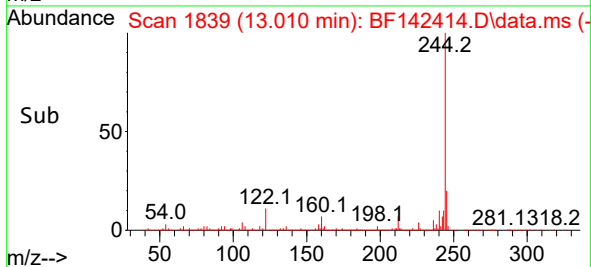
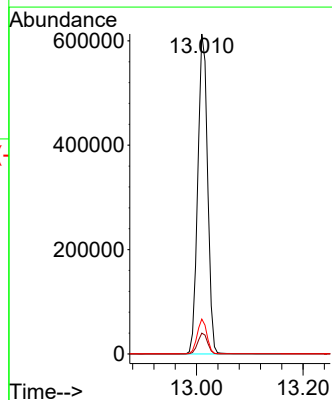
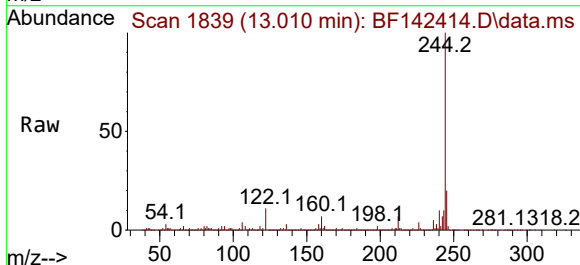
Instrument :
 BNA_F
 ClientSampleId :
 TR-05-05142025

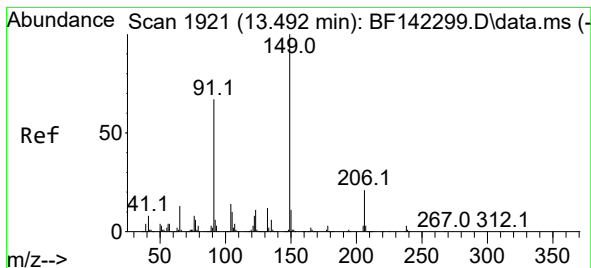
Tgt Ion:202 Resp: 55262
 Ion Ratio Lower Upper
 202 100
 200 19.2 16.2 24.4
 203 18.5 14.3 21.5



#79
 Terphenyl-d14
 Concen: 42.221 ng
 RT: 13.010 min Scan# 1839
 Delta R.T. -0.006 min
 Lab File: BF142414.D
 Acq: 16 May 2025 01:56

Tgt Ion:244 Resp: 786526
 Ion Ratio Lower Upper
 244 100
 212 6.5 5.4 8.2
 122 10.9 9.0 13.4





#80

Butylbenzylphthalate

Concen: 3.693 ng

RT: 13.527 min Scan# 1921

Delta R.T. 0.035 min

Lab File: BF142414.D

Acq: 16 May 2025 01:56

Instrument :

BNA_F

ClientSampleId :

TR-05-05142025

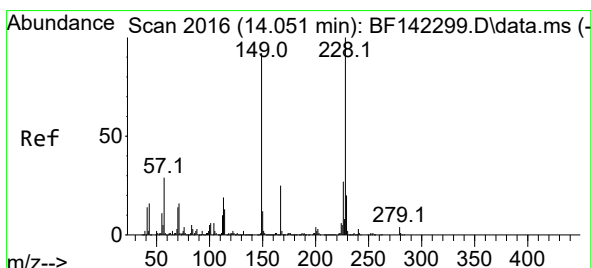
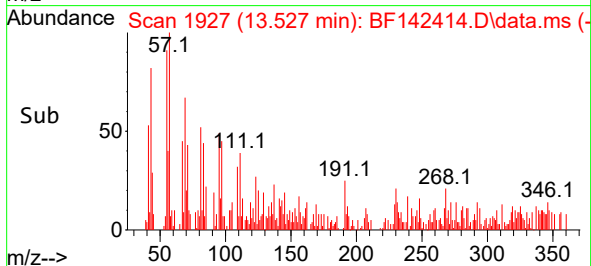
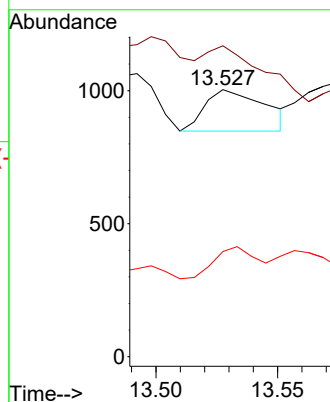
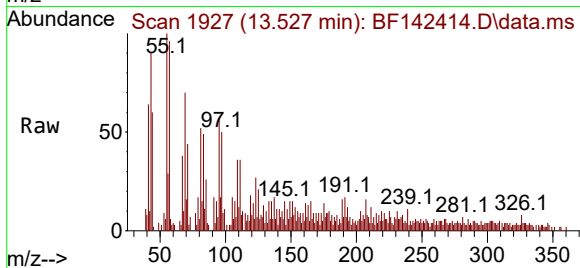
Tgt Ion:149 Resp: 264

Ion Ratio Lower Upper

149 100

91 116.4 53.8 80.6#

206 39.3 16.6 24.8#



#84

Bis(2-ethylhexyl)phthalate

Concen: 5.300 ng

RT: 14.045 min Scan# 2015

Delta R.T. -0.006 min

Lab File: BF142414.D

Acq: 16 May 2025 01:56

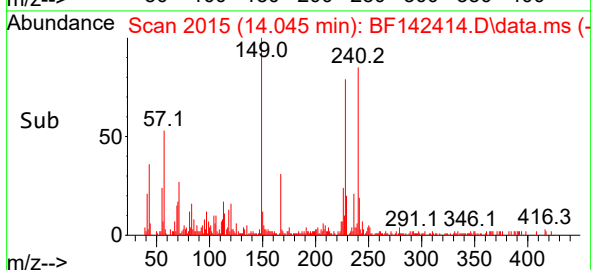
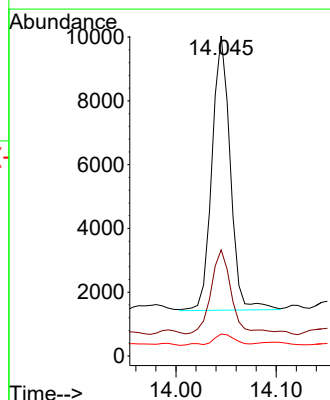
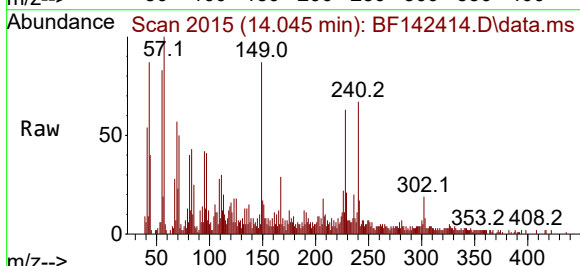
Tgt Ion:149 Resp: 10872

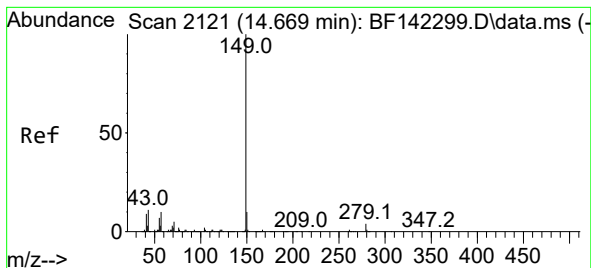
Ion Ratio Lower Upper

149 100

167 33.1 22.0 33.0#

279 6.9 3.0 4.6#





#85

Di-n-octyl phthalate

Concen: 7.878 ng

RT: 14.692 min Scan# 2125

Delta R.T. 0.023 min

Lab File: BF142414.D

Acq: 16 May 2025 01:56

Instrument :

BNA_F

ClientSampleId :

TR-05-05142025

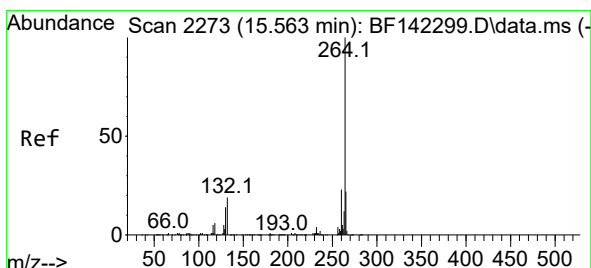
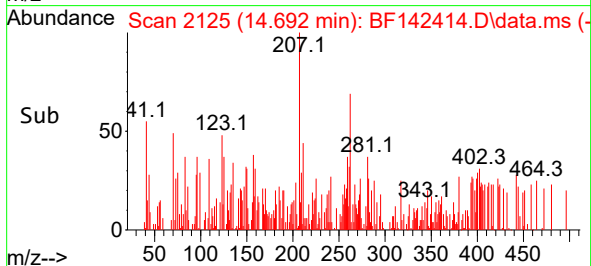
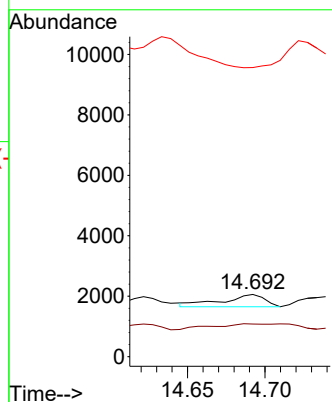
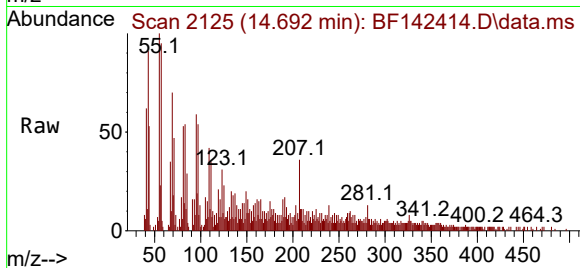
Tgt Ion:149 Resp: 774

Ion Ratio Lower Upper

149 100

167 59.6 1.1 1.7#

43 0.0 9.2 13.8#



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.557 min Scan# 2272

Delta R.T. -0.006 min

Lab File: BF142414.D

Acq: 16 May 2025 01:56

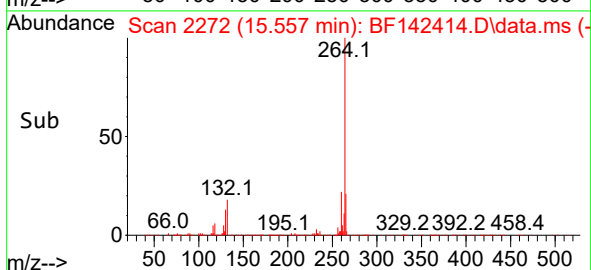
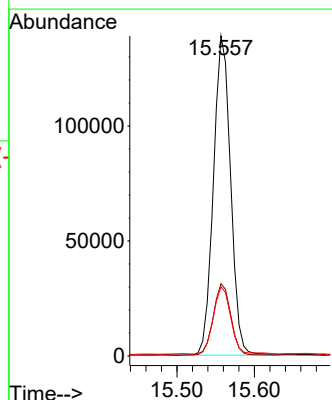
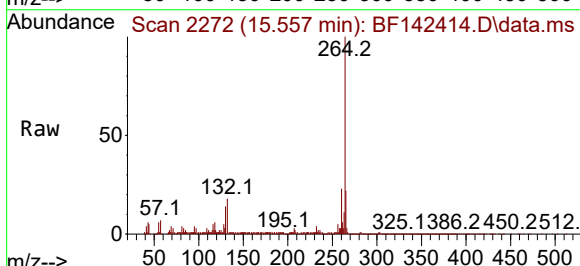
Tgt Ion:264 Resp: 214196

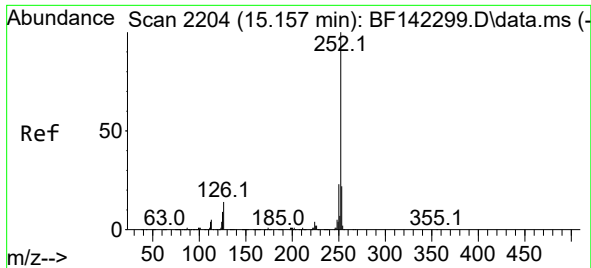
Ion Ratio Lower Upper

264 100

260 22.6 18.6 27.8

265 21.7 17.5 26.3





#89

Benzo(k)fluoranthene

Concen: 2.091 ng

RT: 15.121 min Scan# 21

Delta R.T. -0.035 min

Lab File: BF142414.D

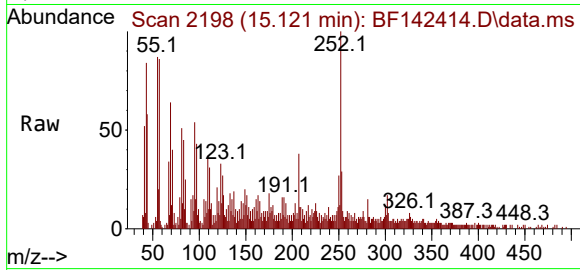
Acq: 16 May 2025 01:56

Instrument :

BNA_F

ClientSampleId :

TR-05-05142025



Tgt Ion:252 Resp: 24824

Ion Ratio Lower Upper

252 100

253 29.0 17.6 26.4#

125 26.6 8.1 12.1#

