

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF051525\
 Data File : BF142408.D
 Acq On : 15 May 2025 23:01
 Operator : RC/JU
 Sample : Q1982-05
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TP-5

Quant Time: May 16 01:10:55 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

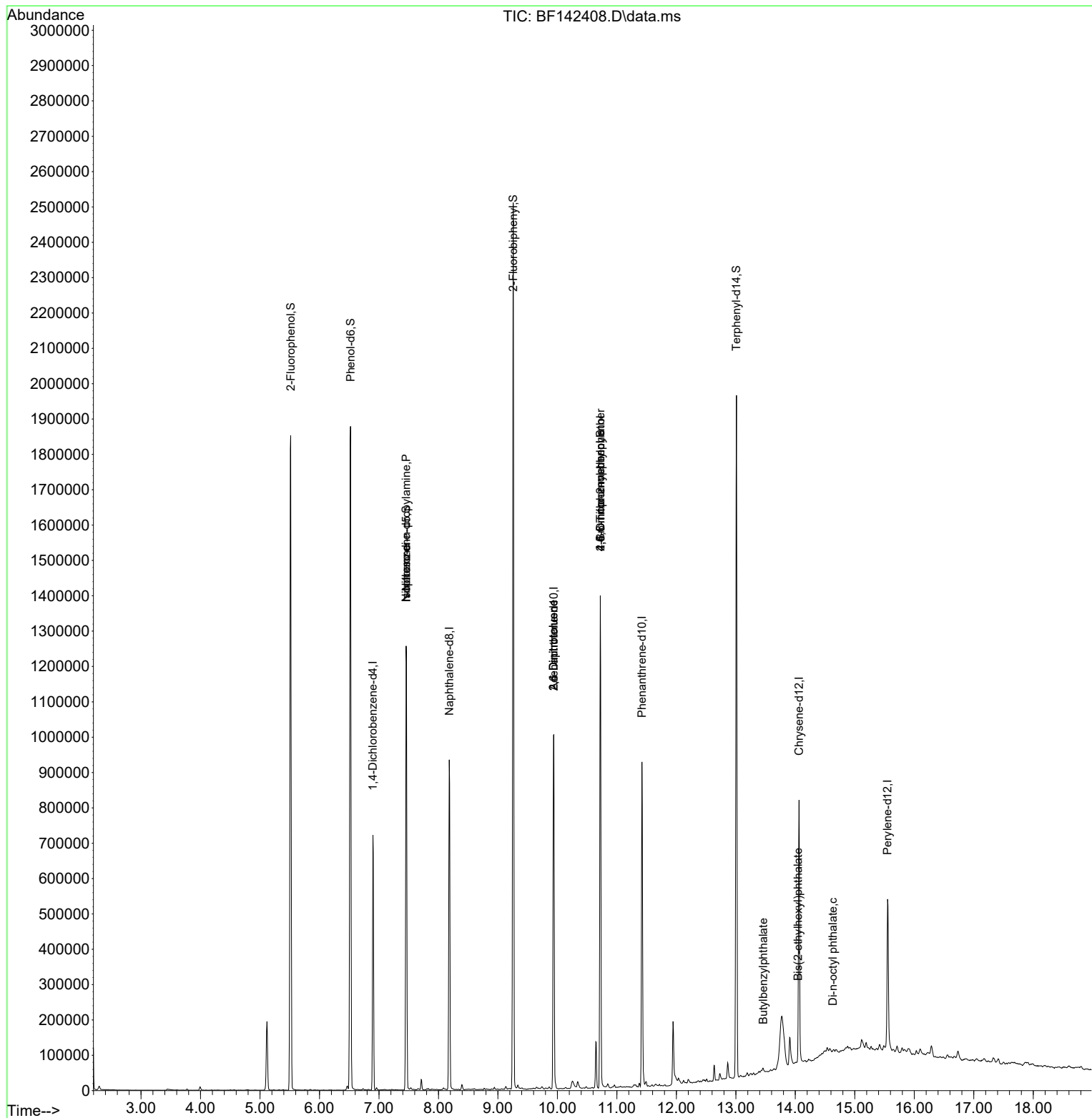
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.898	152	156800	20.000	ng	0.00
21) Naphthalene-d8	8.181	136	595096	20.000	ng	0.00
39) Acenaphthene-d10	9.939	164	309030	20.000	ng	0.00
64) Phenanthrene-d10	11.422	188	471561	20.000	ng	-0.01
76) Chrysene-d12	14.063	240	353038	20.000	ng	0.00
86) Perylene-d12	15.551	264	254978	20.000	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.516	112	734163	79.928	ng	0.00
7) Phenol-d6	6.522	99	910993	80.639	ng	0.00
23) Nitrobenzene-d5	7.457	82	533295	54.654	ng	-0.01
42) 2,4,6-Tribromophenol	10.722	330	243192	81.509	ng	-0.01
45) 2-Fluorobiphenyl	9.257	172	1106839	51.070	ng	0.00
79) Terphenyl-d14	13.010	244	935108	39.204	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propyla...	7.457	70	71513	10.234	ng	# 77
25) Isophorone	7.457	82	528963	28.627	ng	# 62
51) 2,6-Dinitrotoluene	9.933	165	40350	10.863	ng	# 23
57) 2,4-Dinitrotoluene	9.933	165	40350	8.469	ng	# 25
65) 4,6-Dinitro-2-methylph...	10.722	198	441	7.356	ng	# 1
67) 4-Bromophenyl-phenylether	10.722	248	15010	2.809	ng	# 1
80) Butylbenzylphthalate	13.463	149	541	3.714	ng	# 57
84) Bis(2-ethylhexyl)phtha...	14.045	149	1855	4.379	ng	# 92
85) Di-n-octyl phthalate	14.633	149	337	7.853	ng	# 1

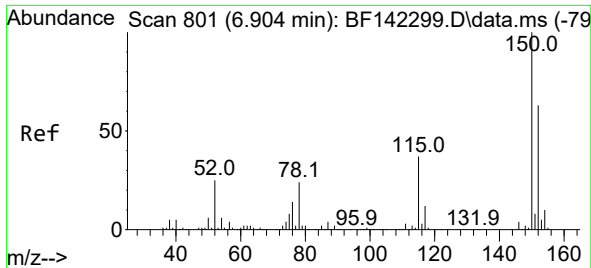
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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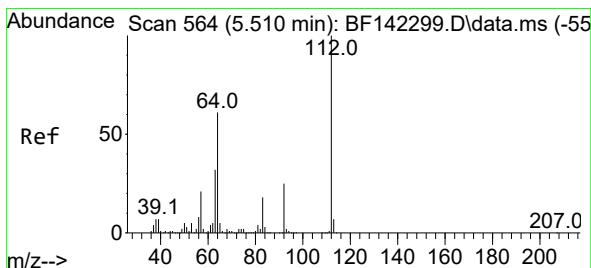
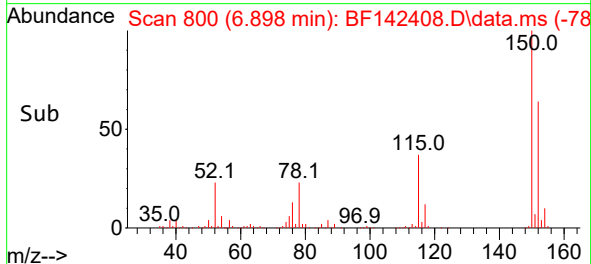
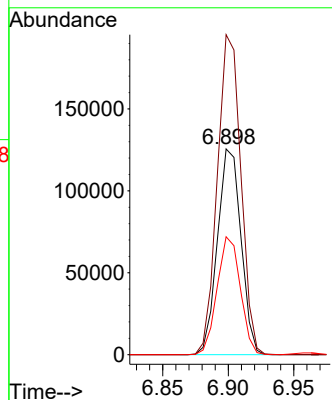
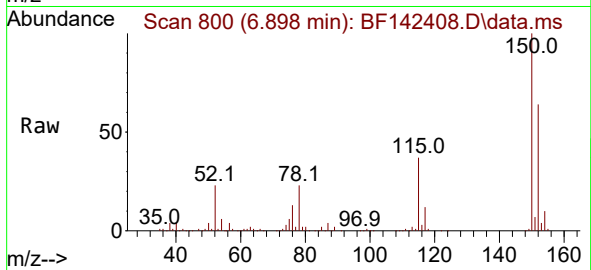




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.898 min Scan# 801
Delta R.T. -0.006 min
Lab File: BF142408.D
Acq: 15 May 2025 23:01

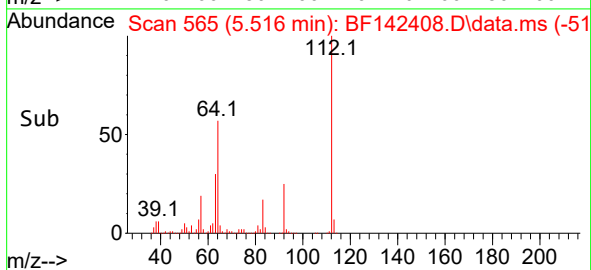
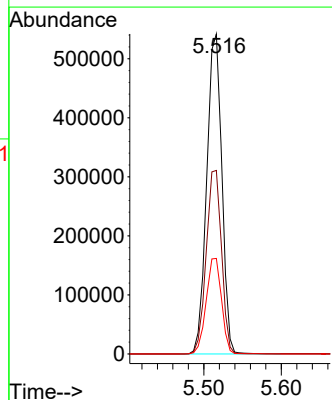
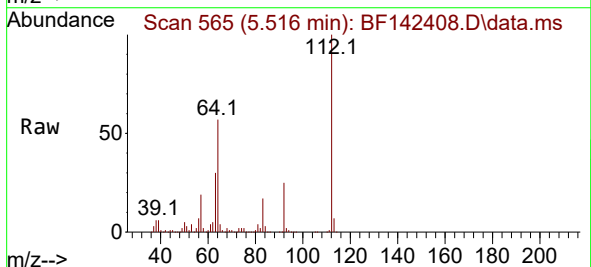
Instrument :
BNA_F
ClientSampleId :
TP-5

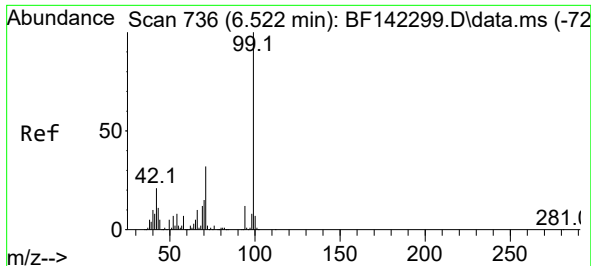
Tgt Ion:152 Resp: 156800
Ion Ratio Lower Upper
152 100
150 155.5 126.6 190.0
115 57.3 47.3 70.9



#5
2-Fluorophenol
Concen: 79.928 ng
RT: 5.516 min Scan# 565
Delta R.T. 0.006 min
Lab File: BF142408.D
Acq: 15 May 2025 23:01

Tgt Ion:112 Resp: 734163
Ion Ratio Lower Upper
112 100
64 57.3 48.9 73.3
63 29.9 25.6 38.4





#7
Phenol-d6
Concen: 80.639 ng
RT: 6.522 min Scan# 71
Delta R.T. -0.000 min
Lab File: BF142408.D
Acq: 15 May 2025 23:01

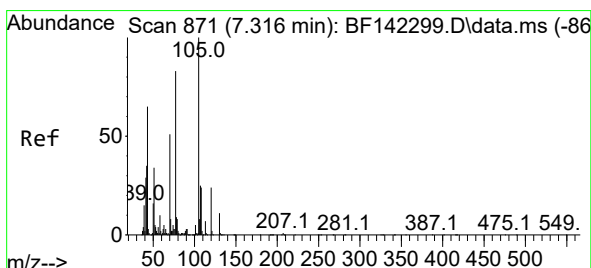
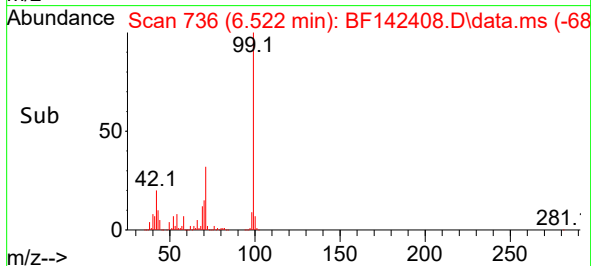
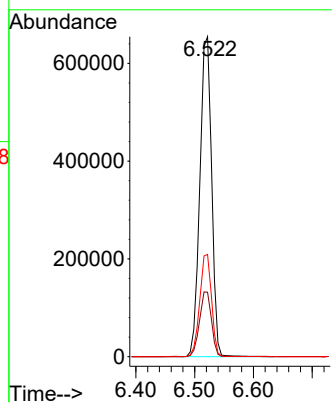
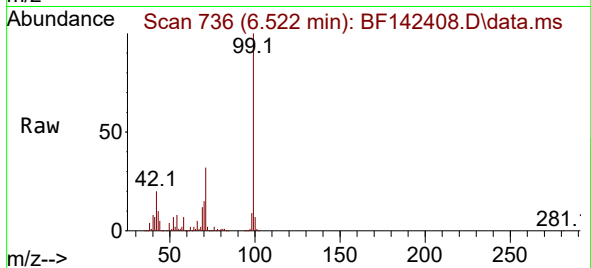
Instrument :

BNA_F

ClientSampleId :

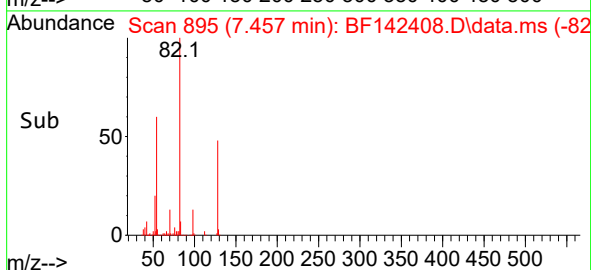
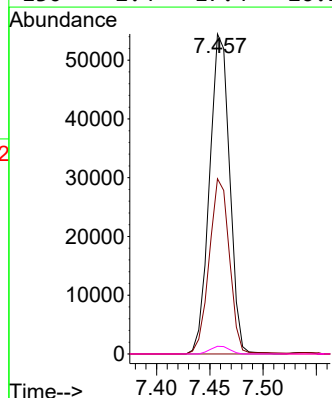
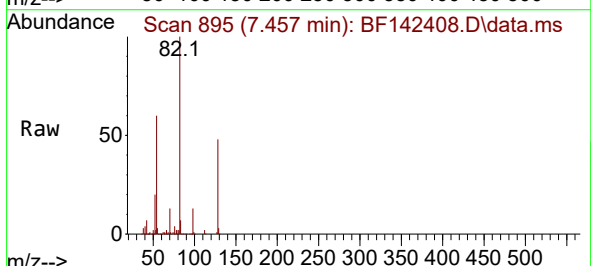
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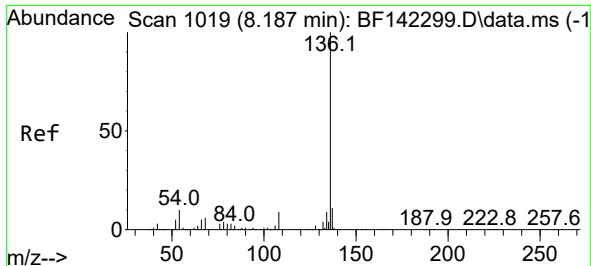
Tgt Ion: 99 Resp: 910993
Ion Ratio Lower Upper
99 100
42 20.2 17.0 25.4
71 32.0 25.8 38.8



#19
n-Nitroso-di-n-propylamine
Concen: 10.234 ng
RT: 7.457 min Scan# 895
Delta R.T. 0.141 min
Lab File: BF142408.D
Acq: 15 May 2025 23:01

Tgt Ion: 70 Resp: 71513
Ion Ratio Lower Upper
70 100
42 54.7 54.8 82.2#
101 0.0 7.7 11.5#
130 2.4 17.4 26.2#

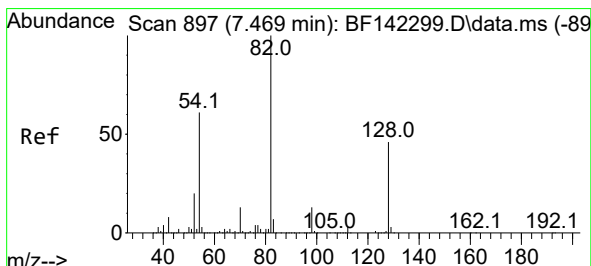
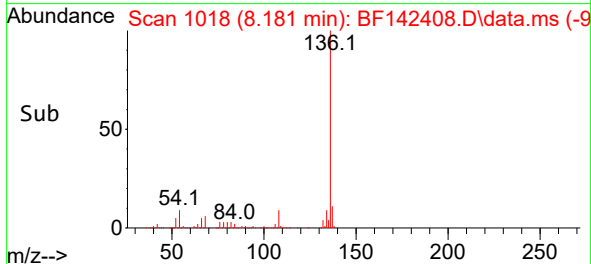
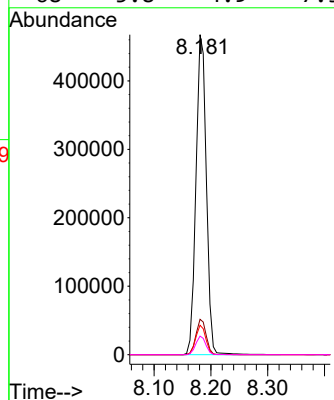
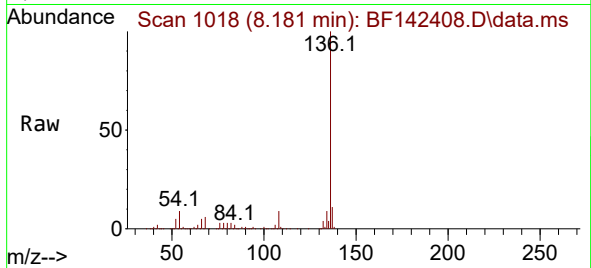




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.181 min Scan# 1019
Delta R.T. -0.006 min
Lab File: BF142408.D
Acq: 15 May 2025 23:01

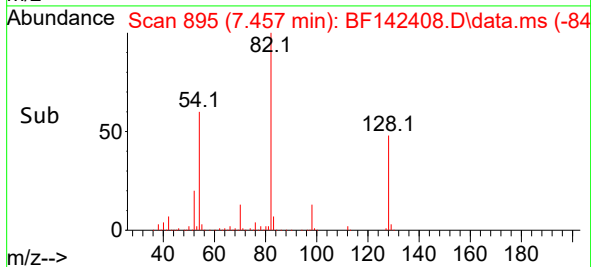
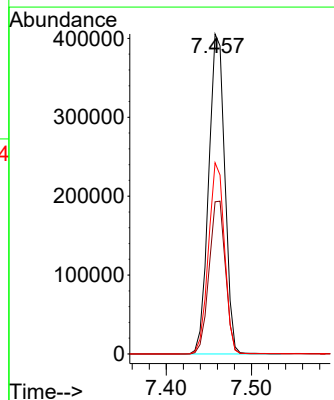
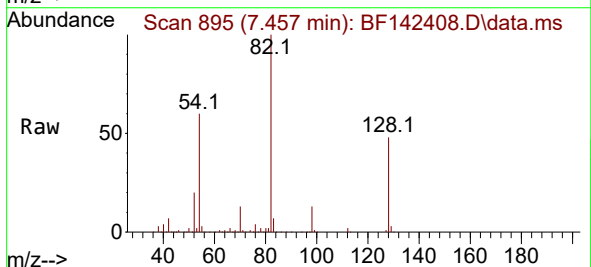
Instrument :
BNA_F
ClientSampleId :
TP-5

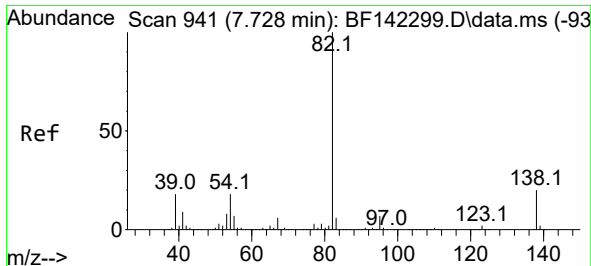
Tgt Ion:	136	Resp:	595096
Ion	Ratio	Lower	Upper
136	100		
137	11.0	8.9	13.3
54	9.2	7.7	11.5
68	5.8	4.9	7.3



#23
Nitrobenzene-d5
Concen: 54.654 ng
RT: 7.457 min Scan# 895
Delta R.T. -0.012 min
Lab File: BF142408.D
Acq: 15 May 2025 23:01

Tgt Ion:	82	Resp:	533295
Ion	Ratio	Lower	Upper
82	100		
128	47.6	37.0	55.6
54	59.8	48.6	73.0

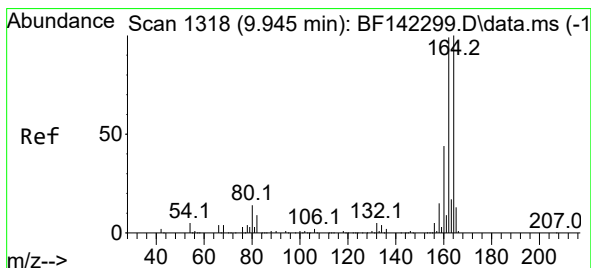
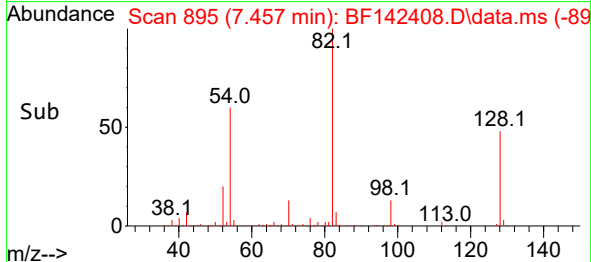
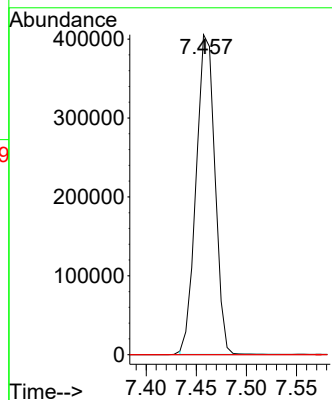
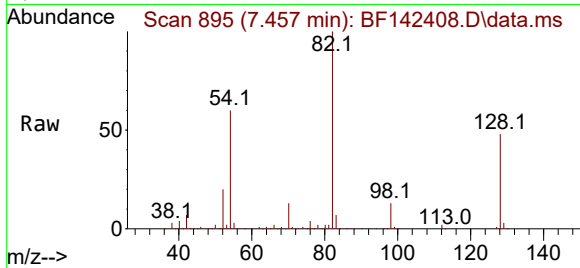




#25
Isophorone
Concen: 28.627 ng
RT: 7.457 min Scan# 895
Delta R.T. -0.271 min
Lab File: BF142408.D
Acq: 15 May 2025 23:01

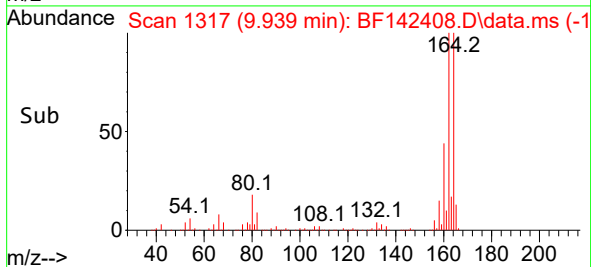
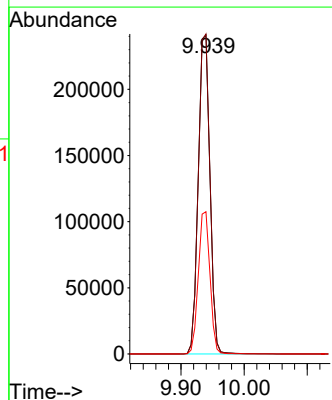
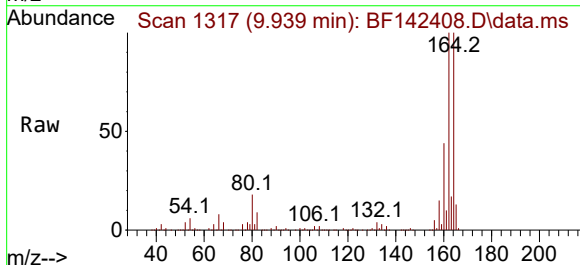
Instrument :
BNA_F
ClientSampleId :
TP-5

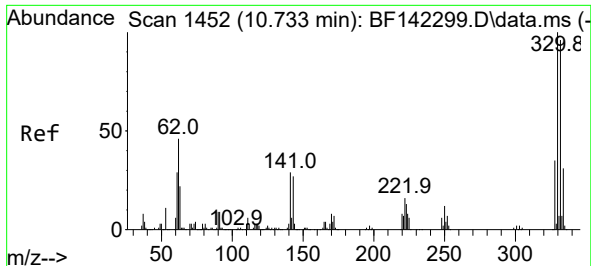
Tgt Ion: 82 Resp: 528963
Ion Ratio Lower Upper
82 100
95 0.0 5.8 8.8#
138 0.0 16.1 24.1#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.939 min Scan# 1317
Delta R.T. -0.006 min
Lab File: BF142408.D
Acq: 15 May 2025 23:01

Tgt Ion:164 Resp: 309030
Ion Ratio Lower Upper
164 100
162 100.4 79.2 118.8
160 44.6 35.3 52.9





#42

2,4,6-Tribromophenol

Concen: 81.509 ng

RT: 10.722 min Scan# 1450

Delta R.T. -0.012 min

Lab File: BF142408.D

Acq: 15 May 2025 23:01

Instrument :

BNA_F

ClientSampleId :

TP-5

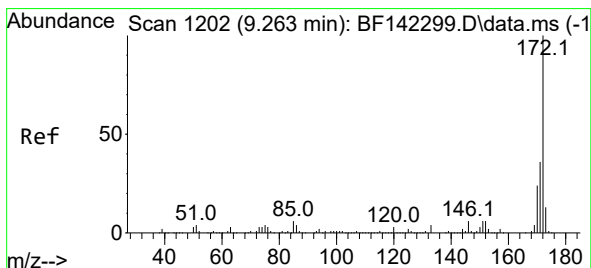
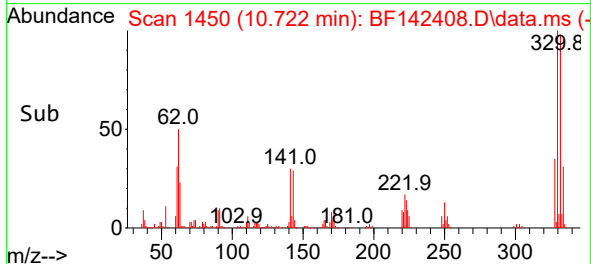
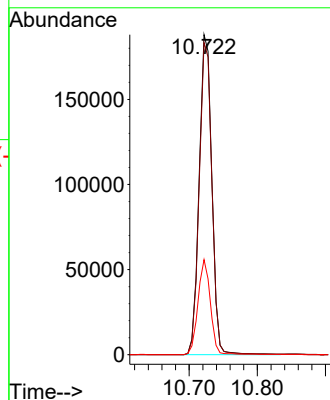
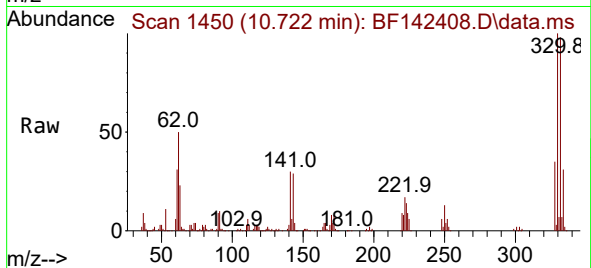
Tgt Ion:330 Resp: 243192

Ion Ratio Lower Upper

330 100

332 97.5 76.8 115.2

141 29.2 24.9 37.3



#45

2-Fluorobiphenyl

Concen: 51.070 ng

RT: 9.257 min Scan# 1201

Delta R.T. -0.006 min

Lab File: BF142408.D

Acq: 15 May 2025 23:01

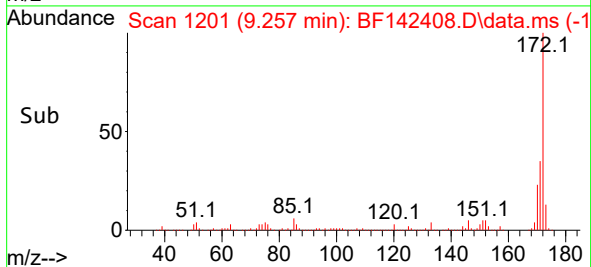
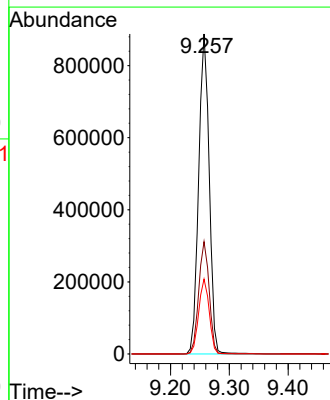
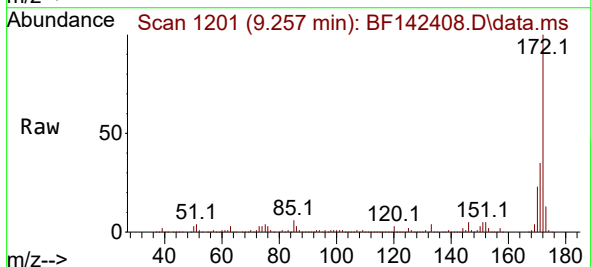
Tgt Ion:172 Resp: 1106839

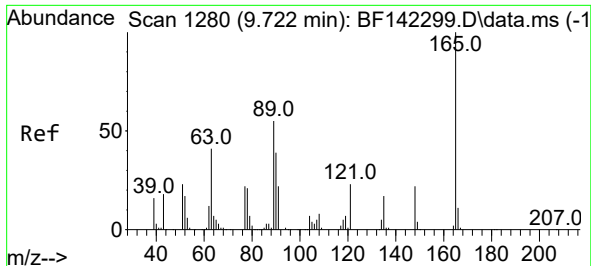
Ion Ratio Lower Upper

172 100

171 35.1 28.6 42.8

170 23.4 19.0 28.4





#51

2,6-Dinitrotoluene

Concen: 10.863 ng

RT: 9.933 min Scan# 1316

Delta R.T. 0.212 min

Lab File: BF142408.D

Acq: 15 May 2025 23:01

Instrument :

BNA_F

ClientSampleId :

TP-5

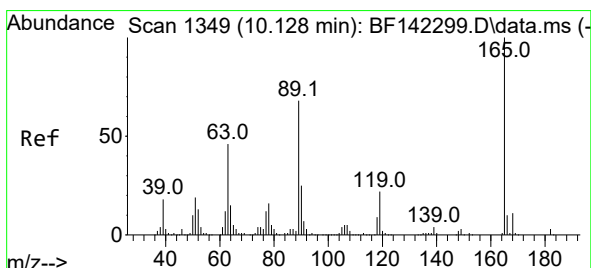
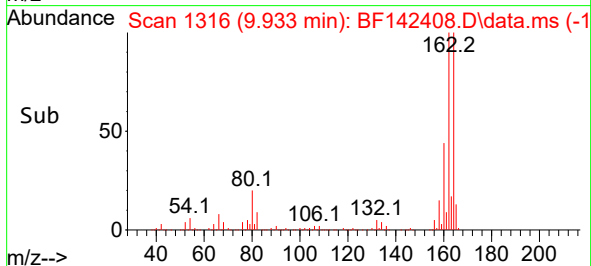
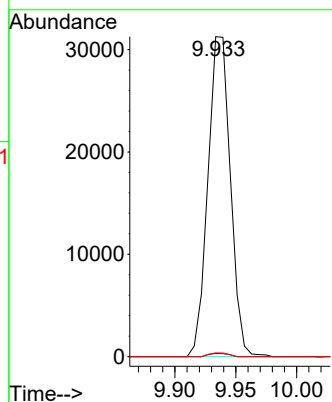
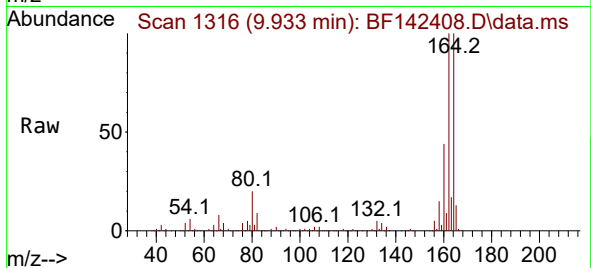
Tgt Ion:165 Resp: 40350

Ion Ratio Lower Upper

165 100

63 1.0 49.5 74.3#

89 1.2 44.6 66.8#



#57

2,4-Dinitrotoluene

Concen: 8.469 ng

RT: 9.933 min Scan# 1316

Delta R.T. -0.194 min

Lab File: BF142408.D

Acq: 15 May 2025 23:01

Tgt Ion:165 Resp: 40350

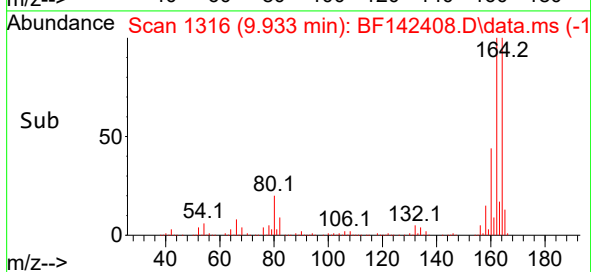
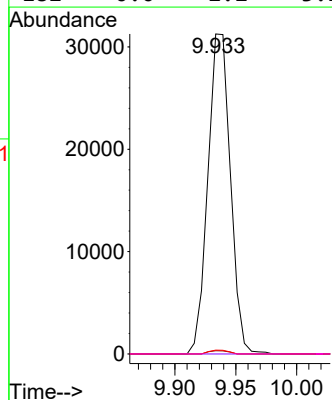
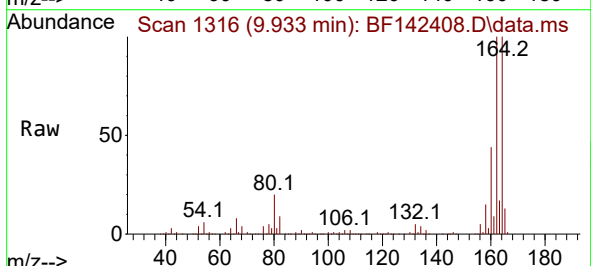
Ion Ratio Lower Upper

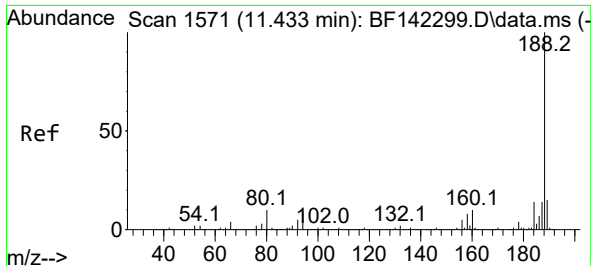
165 100

63 1.0 37.1 55.7#

89 1.2 54.4 81.6#

182 0.0 2.2 3.2#

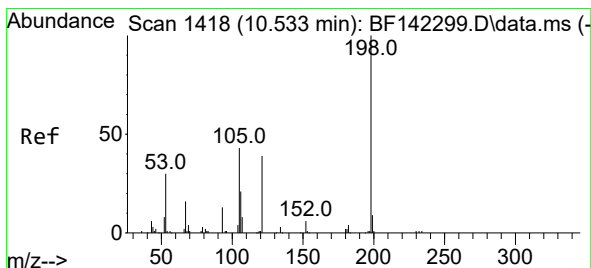
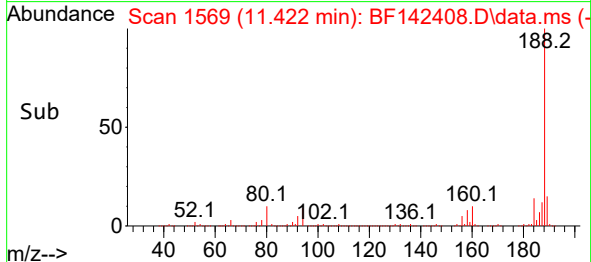
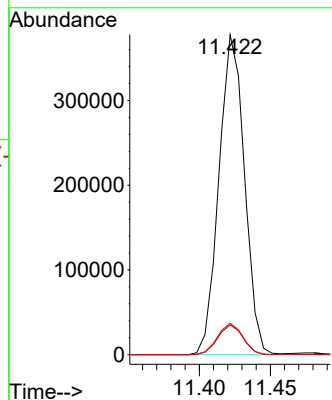
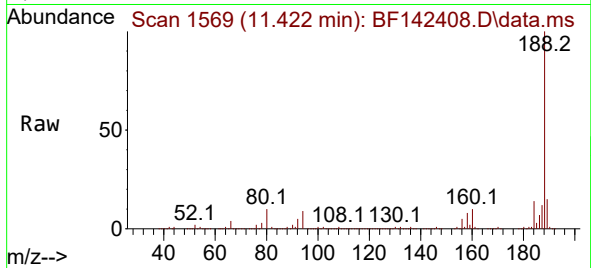




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.422 min Scan# 1
Delta R.T. -0.012 min
Lab File: BF142408.D
Acq: 15 May 2025 23:01

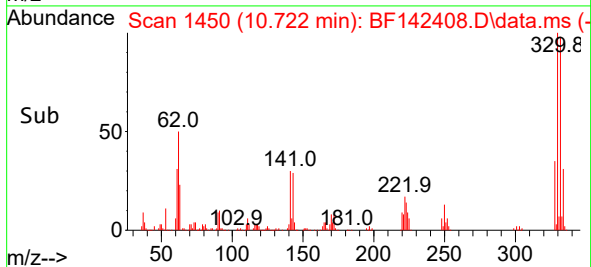
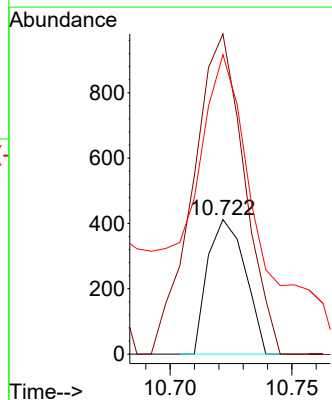
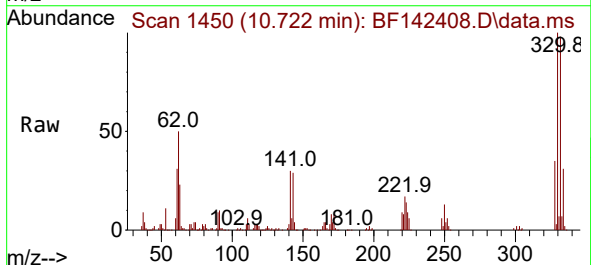
Instrument :
BNA_F
ClientSampleId :
TP-5

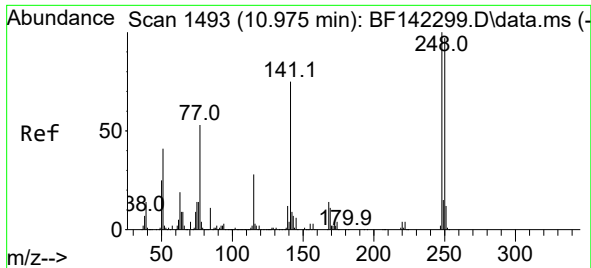
Tgt Ion:188 Resp: 471561
Ion Ratio Lower Upper
188 100
94 9.3 7.5 11.3
80 9.8 7.9 11.9



#65
4,6-Dinitro-2-methylphenol
Concen: 7.356 ng
RT: 10.722 min Scan# 1450
Delta R.T. 0.189 min
Lab File: BF142408.D
Acq: 15 May 2025 23:01

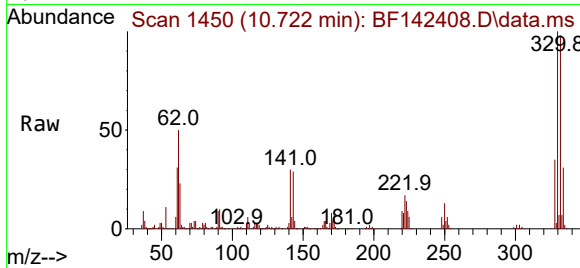
Tgt Ion:198 Resp: 441
Ion Ratio Lower Upper
198 100
51 237.9 32.9 72.9#
105 222.6 23.7 63.7#



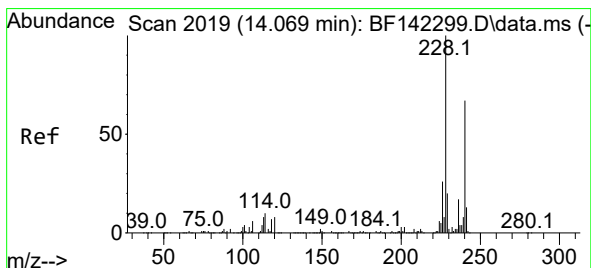
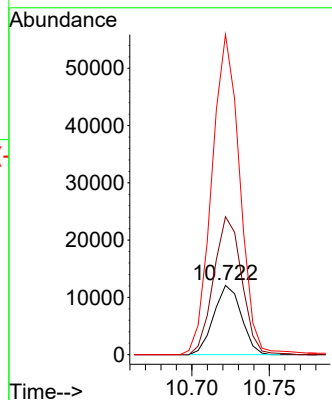
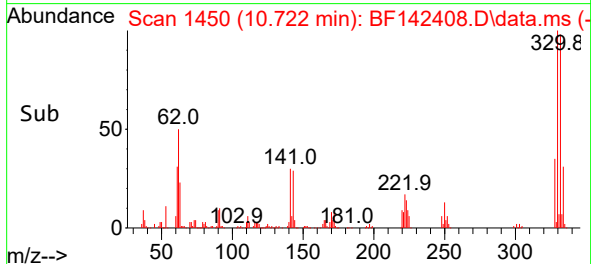


#67
4-Bromophenyl-phenylether
Concen: 2.809 ng
RT: 10.722 min Scan# 141
Delta R.T. -0.253 min
Lab File: BF142408.D
Acq: 15 May 2025 23:01

Instrument :
BNA_F
ClientSampleId :
TP-5

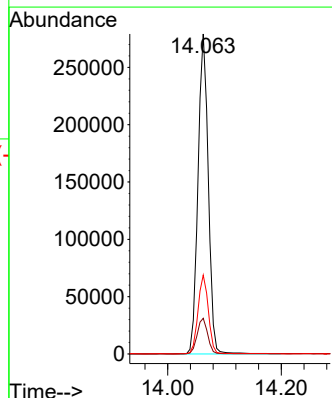
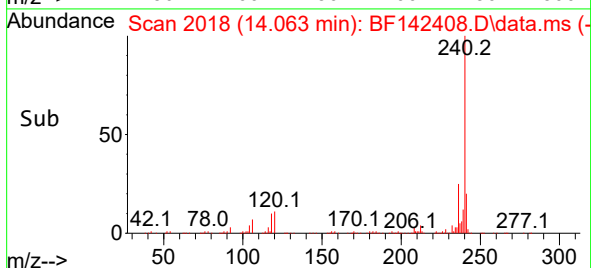
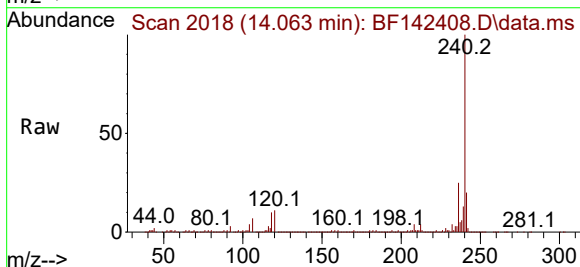


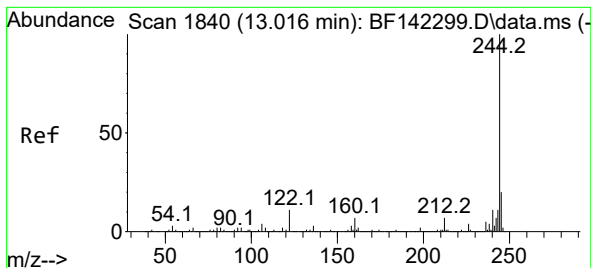
Tgt Ion:248 Resp: 15010
Ion Ratio Lower Upper
248 100
250 198.8 77.9 116.9#
141 461.3 59.8 89.8#



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.063 min Scan# 2018
Delta R.T. -0.006 min
Lab File: BF142408.D
Acq: 15 May 2025 23:01

Tgt Ion:240 Resp: 353038
Ion Ratio Lower Upper
240 100
120 11.2 9.7 14.5
236 24.7 20.0 30.0





#79

Terphenyl-d14

Concen: 39.204 ng

RT: 13.010 min Scan# 11

Delta R.T. -0.006 min

Lab File: BF142408.D

Acq: 15 May 2025 23:01

Instrument :

BNA_F

ClientSampleId :

TP-5

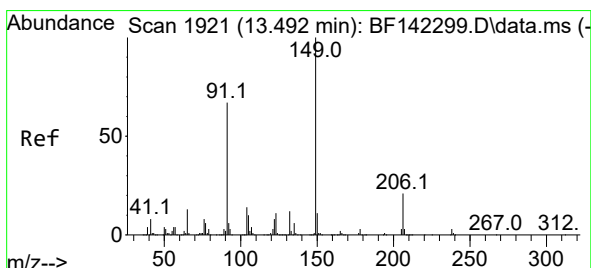
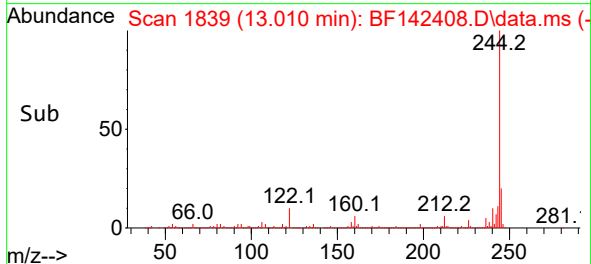
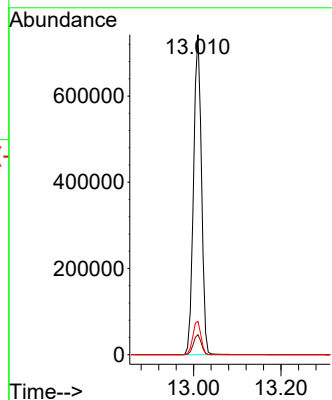
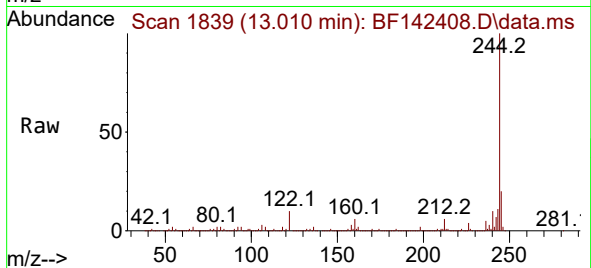
Tgt Ion:244 Resp: 935108

Ion Ratio Lower Upper

244 100

212 6.3 5.4 8.2

122 10.4 9.0 13.4



#80

Butylbenzylphthalate

Concen: 3.714 ng

RT: 13.463 min Scan# 1916

Delta R.T. -0.029 min

Lab File: BF142408.D

Acq: 15 May 2025 23:01

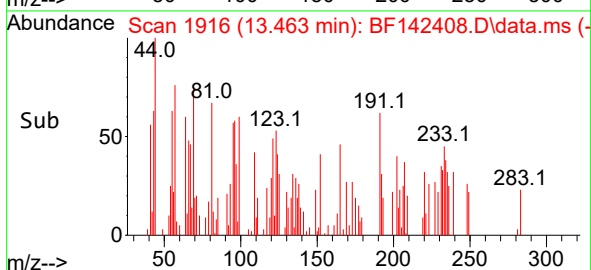
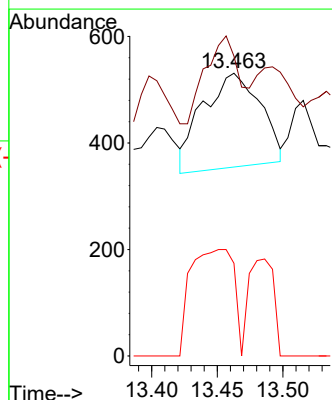
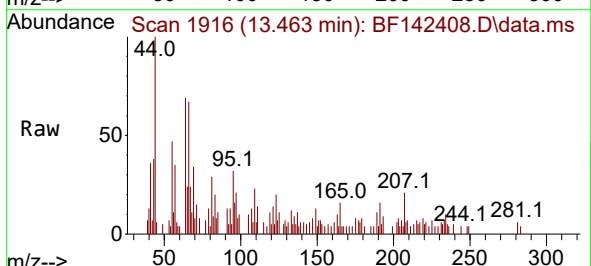
Tgt Ion:149 Resp: 541

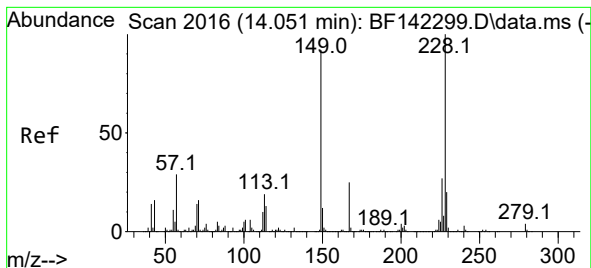
Ion Ratio Lower Upper

149 100

91 106.0 53.8 80.6#

206 32.8 16.6 24.8#





#84

Bis(2-ethylhexyl)phthalate

Concen: 4.379 ng

RT: 14.045 min Scan# 2016

Delta R.T. -0.006 min

Lab File: BF142408.D

Acq: 15 May 2025 23:01

Instrument :

BNA_F

ClientSampleId :

TP-5

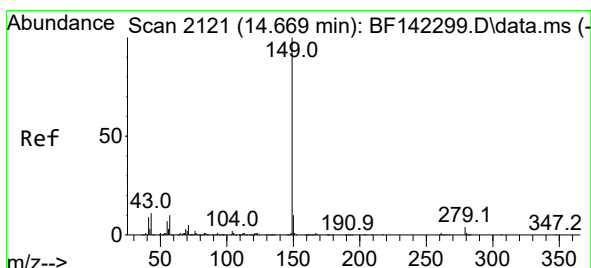
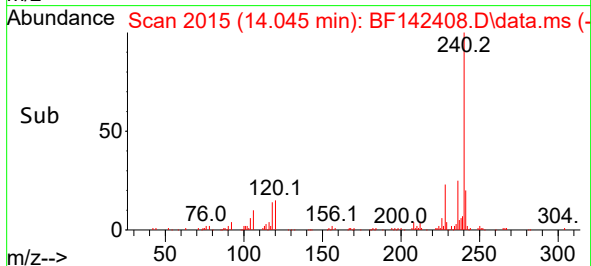
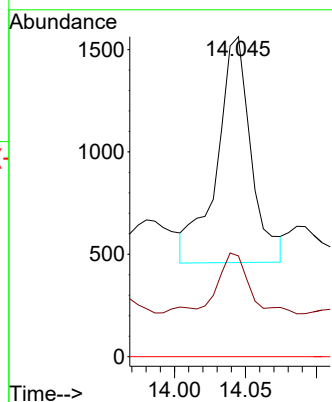
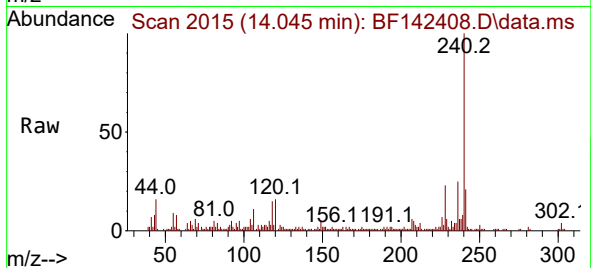
Tgt Ion:149 Resp: 1855

Ion Ratio Lower Upper

149 100

167 31.5 22.0 33.0

279 0.0 3.0 4.6#



#85

Di-n-octyl phthalate

Concen: 7.853 ng

RT: 14.633 min Scan# 2115

Delta R.T. -0.036 min

Lab File: BF142408.D

Acq: 15 May 2025 23:01

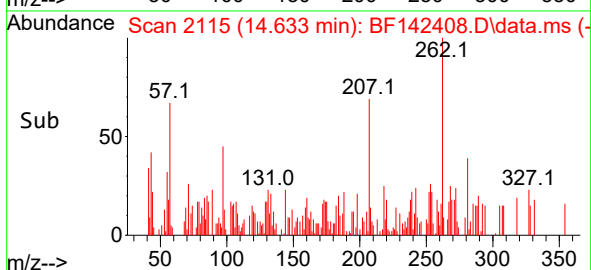
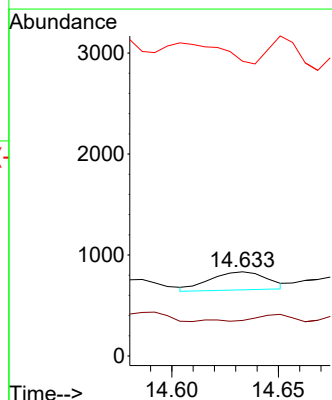
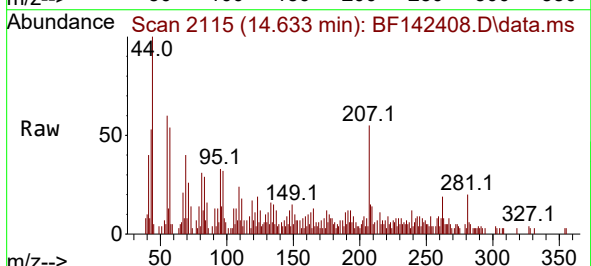
Tgt Ion:149 Resp: 337

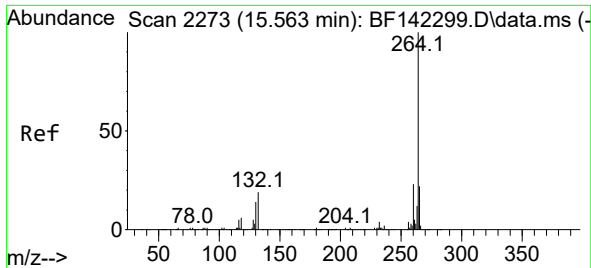
Ion Ratio Lower Upper

149 100

167 68.0 1.1 1.7#

43 93.5 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: BF142408.D
Acq: 15 May 2025 23:01

Instrument :
BNA_F
ClientSampleId :
TP-5

Tgt Ion:264 Resp: 254978
Ion Ratio Lower Upper
264 100
260 22.4 18.6 27.8
265 21.8 17.5 26.3

