

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF061025\
 Data File : BF142705.D
 Acq On : 10 Jun 2025 11:42
 Operator : RC/JU
 Sample : Q2259-03
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 OU4-PCS-TC-37-060525

Quant Time: Jun 10 12:25:29 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF060925.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Jun 09 18:21:22 2025
 Response via : Initial Calibration

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

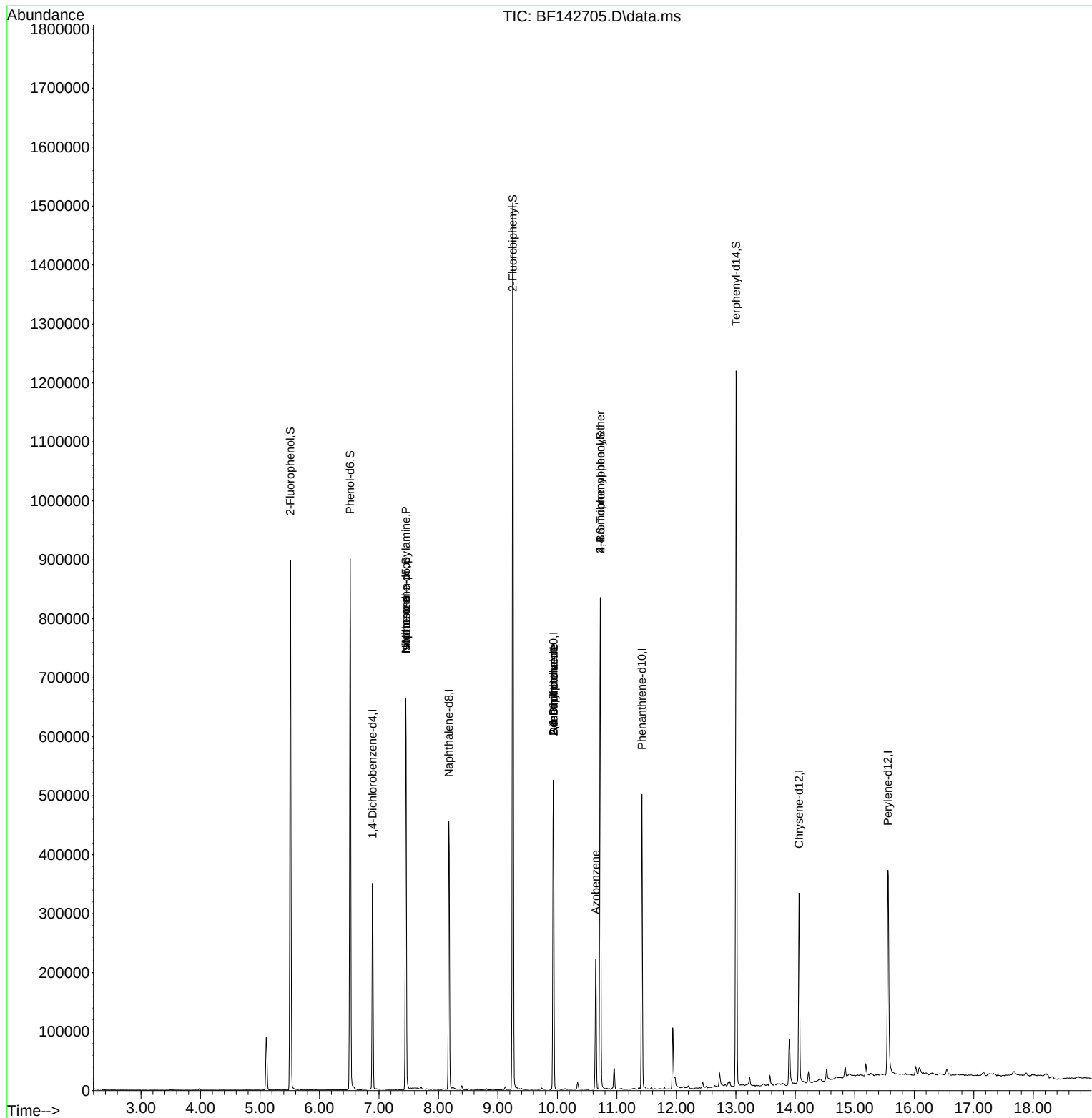
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.892	152	75387	20.000	ng	0.00
21) Naphthalene-d8	8.175	136	295072	20.000	ng	-0.01
39) Acenaphthene-d10	9.933	164	163176	20.000	ng	0.00
64) Phenanthrene-d10	11.422	188	267108	20.000	ng	0.00
76) Chrysene-d12	14.063	240	167914	20.000	ng	-0.01
86) Perylene-d12	15.557	264	224529	20.000	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.510	112	347997	78.380	ng	0.00
7) Phenol-d6	6.516	99	421183	80.893	ng	-0.02
23) Nitrobenzene-d5	7.451	82	287322	53.513	ng	-0.02
42) 2,4,6-Tribromophenol	10.722	330	146843	80.098	ng	-0.01
45) 2-Fluorobiphenyl	9.251	172	680719	57.051	ng	-0.01
79) Terphenyl-d14	13.004	244	616656	58.081	ng	-0.01
Target Compounds						
						Qvalue
19) n-Nitroso-di-n-propyla...	7.451	70	37520	12.293	ng	# 76
25) Isophorone	7.451	82	282966	32.484	ng	# 62
50) Dimethylphthalate	9.933	163	23789	2.167	ng	# 1
51) 2,6-Dinitrotoluene	9.933	165	20846	8.778	ng	# 29
57) 2,4-Dinitrotoluene	9.933	165	20846	6.548	ng	# 29
63) Azobenzene	10.645	77	51287	5.372	ng	# 1
67) 4-Bromophenyl-phenylether	10.722	248	9148	3.099	ng	# 1

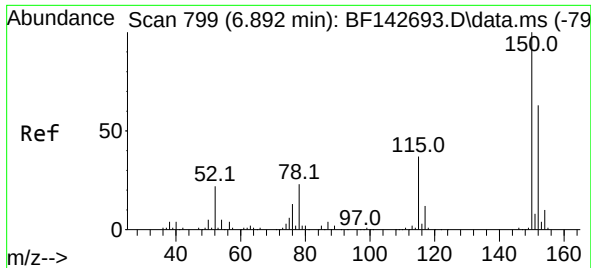
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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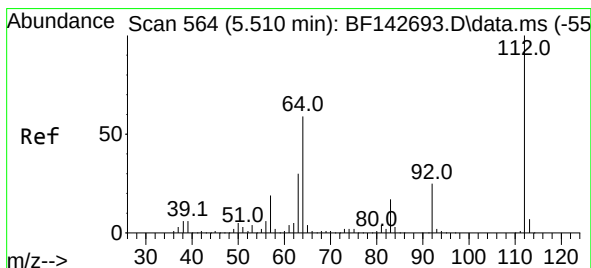
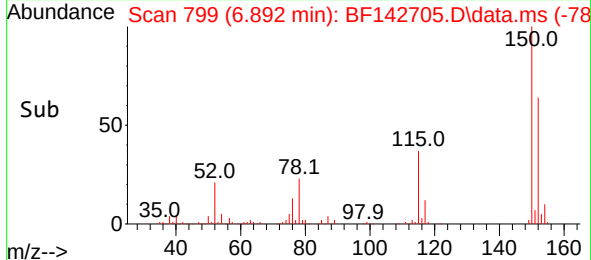
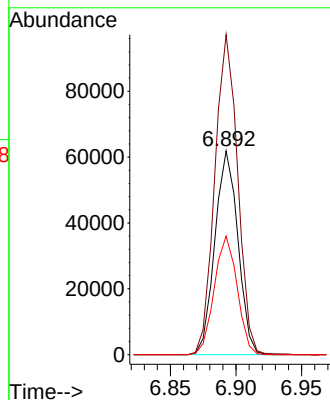
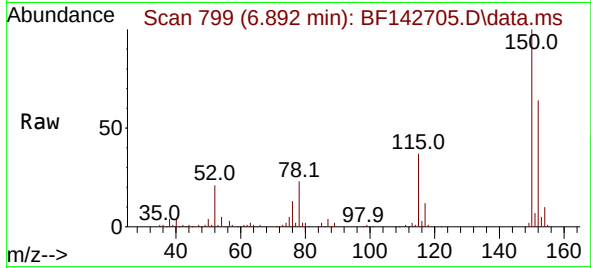




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.892 min Scan# 799
Delta R.T. -0.006 min
Lab File: BF142705.D
Acq: 10 Jun 2025 11:42

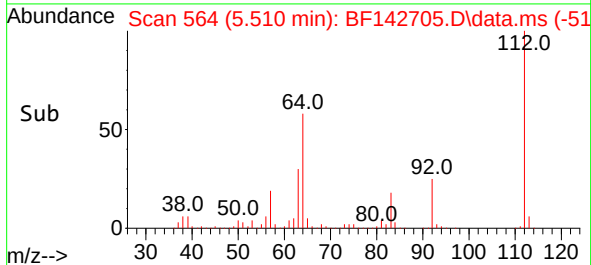
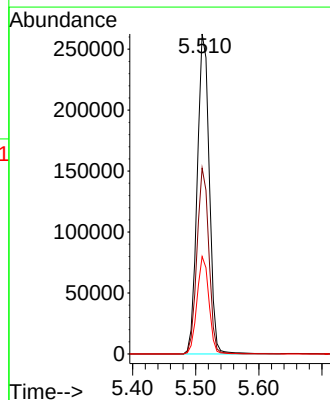
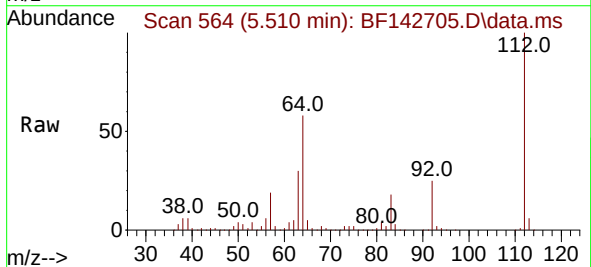
Instrument :
BNA_F
ClientSampleId :
OU4-PCS-TC-37-060525

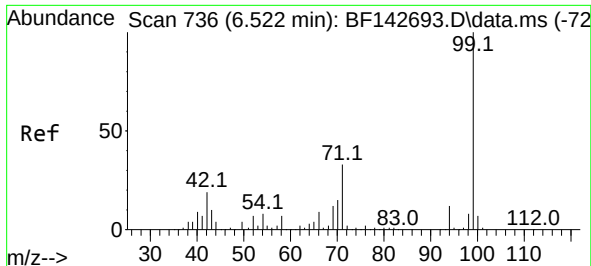
Tgt Ion:152 Resp: 75387
Ion Ratio Lower Upper
152 100
150 157.1 126.8 190.2
115 58.2 46.8 70.2



#5
2-Fluorophenol
Concen: 78.380 ng
RT: 5.510 min Scan# 564
Delta R.T. -0.006 min
Lab File: BF142705.D
Acq: 10 Jun 2025 11:42

Tgt Ion:112 Resp: 347997
Ion Ratio Lower Upper
112 100
64 58.1 46.9 70.3
63 30.5 24.3 36.5

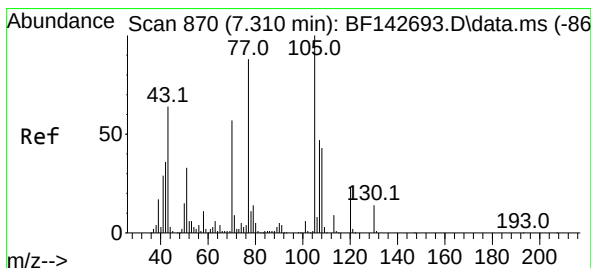
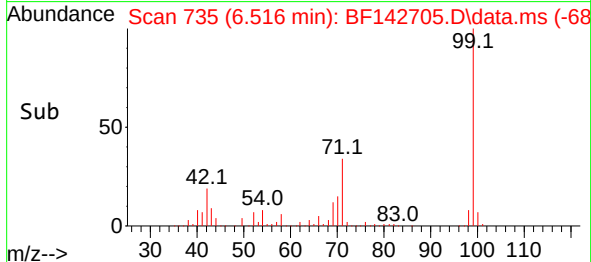
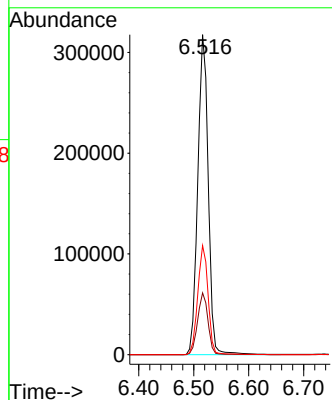
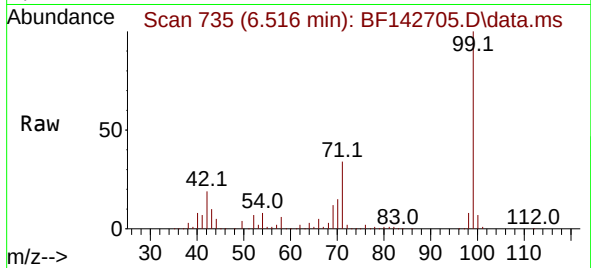




#7
Phenol-d6
Concen: 80.893 ng
RT: 6.516 min Scan# 71
Delta R.T. -0.018 min
Lab File: BF142705.D
Acq: 10 Jun 2025 11:42

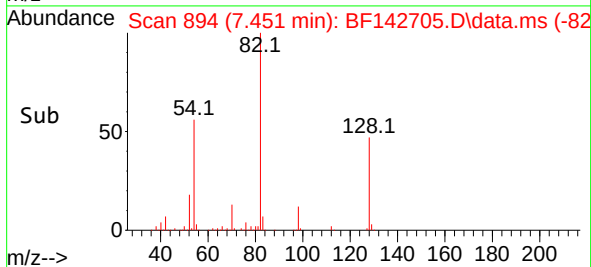
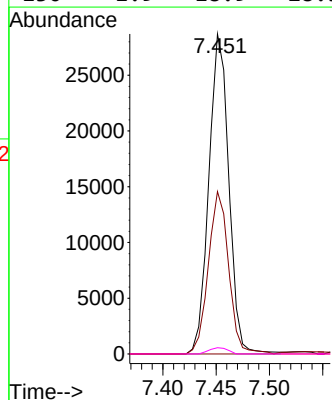
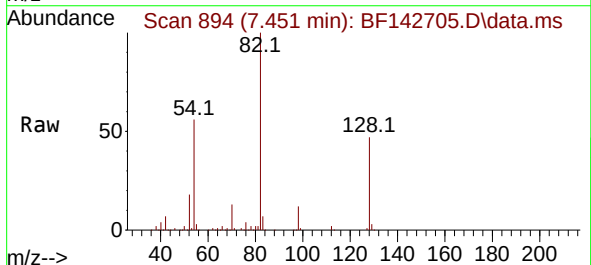
Instrument :
BNA_F
ClientSampleId :
OU4-PCS-TC-37-060525

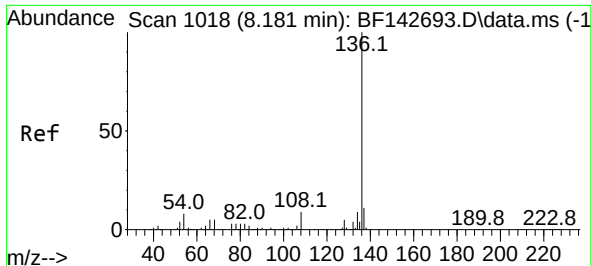
Tgt Ion: 99 Resp: 421183
Ion Ratio Lower Upper
99 100
42 19.3 15.3 22.9
71 34.1 26.3 39.5



#19
n-Nitroso-di-n-propylamine
Concen: 12.293 ng
RT: 7.451 min Scan# 894
Delta R.T. 0.129 min
Lab File: BF142705.D
Acq: 10 Jun 2025 11:42

Tgt Ion: 70 Resp: 37520
Ion Ratio Lower Upper
70 100
42 50.8 50.1 75.1
101 0.0 8.1 12.1#
130 1.9 18.9 28.3#



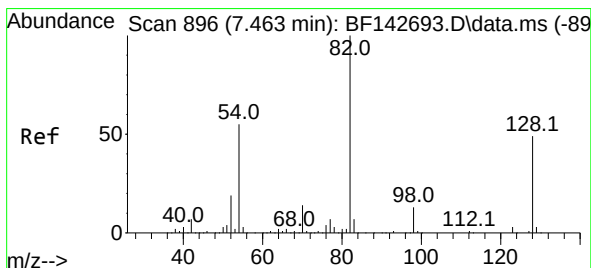
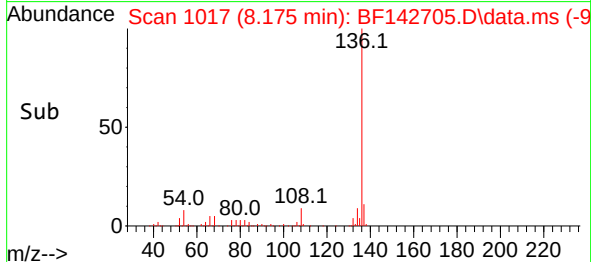
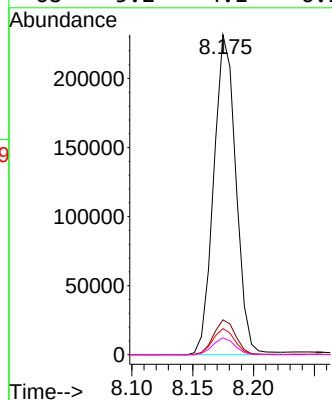
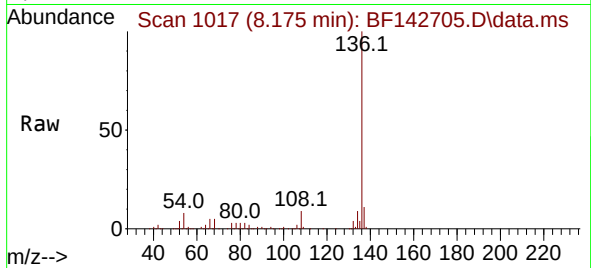


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.175 min Scan# 1017
Delta R.T. -0.012 min
Lab File: BF142705.D
Acq: 10 Jun 2025 11:42

Instrument :
BNA_F
ClientSampleId :
OU4-PCS-TC-37-060525

Tgt Ion:136 Resp: 295072

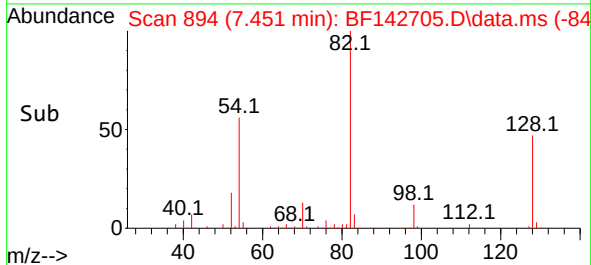
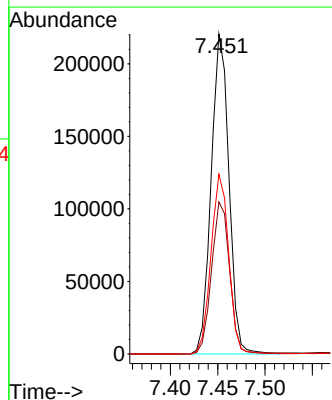
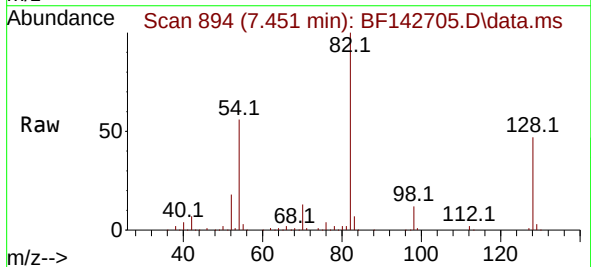
Ion	Ratio	Lower	Upper
136	100		
137	10.9	8.8	13.2
54	8.1	6.4	9.6
68	5.2	4.1	6.1

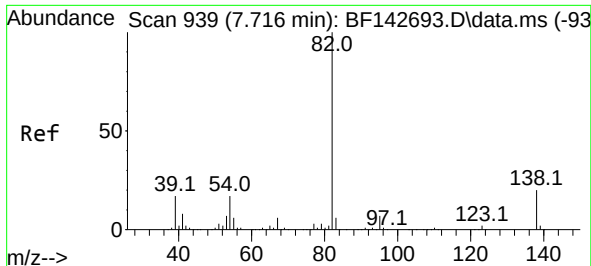


#23
Nitrobenzene-d5
Concen: 53.513 ng
RT: 7.451 min Scan# 894
Delta R.T. -0.018 min
Lab File: BF142705.D
Acq: 10 Jun 2025 11:42

Tgt Ion: 82 Resp: 287322

Ion	Ratio	Lower	Upper
82	100		
128	47.5	39.3	58.9
54	56.2	44.2	66.2

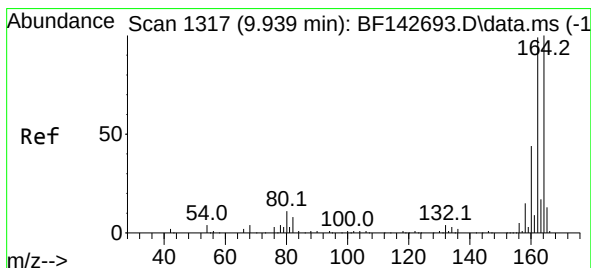
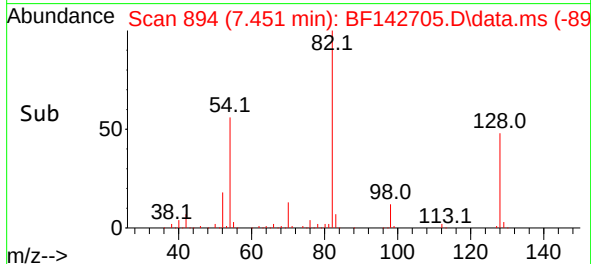
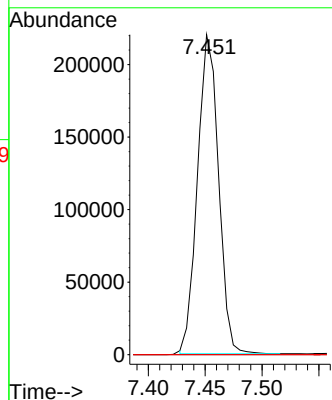
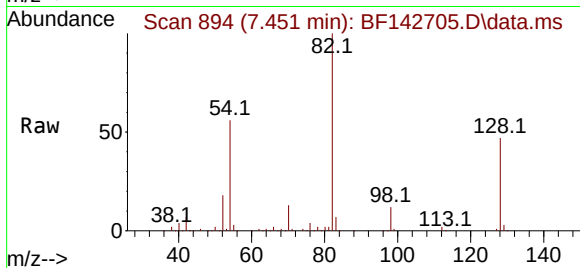




#25
Isophorone
Concen: 32.484 ng
RT: 7.451 min Scan# 894
Delta R.T. -0.276 min
Lab File: BF142705.D
Acq: 10 Jun 2025 11:42

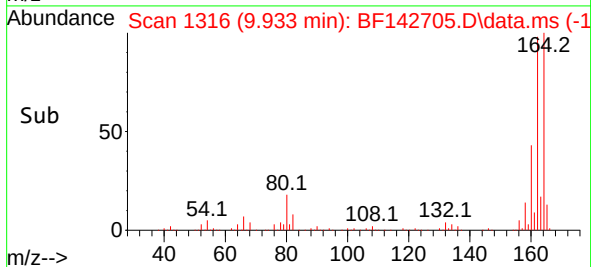
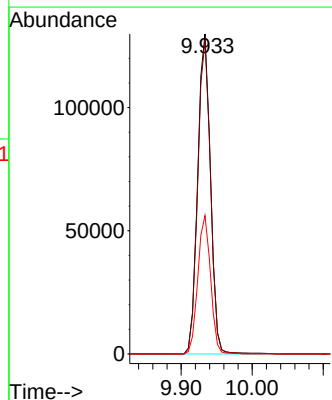
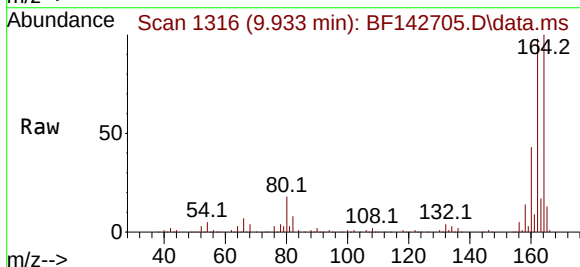
Instrument :
BNA_F
ClientSampleId :
OU4-PCS-TC-37-060525

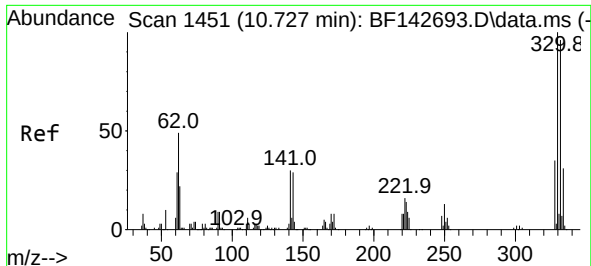
Tgt Ion: 82 Resp: 282966
Ion Ratio Lower Upper
82 100
95 0.0 5.9 8.9#
138 0.0 16.1 24.1#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.933 min Scan# 1316
Delta R.T. -0.006 min
Lab File: BF142705.D
Acq: 10 Jun 2025 11:42

Tgt Ion:164 Resp: 163176
Ion Ratio Lower Upper
164 100
162 98.0 79.1 118.7
160 43.2 35.4 53.0





#42

2,4,6-Tribromophenol

Concen: 80.098 ng

RT: 10.722 min Scan# 1451

Delta R.T. -0.012 min

Lab File: BF142705.D

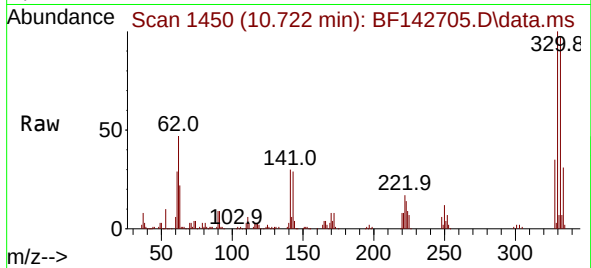
Acq: 10 Jun 2025 11:42

Instrument :

BNA_F

ClientSampleId :

OU4-PCS-TC-37-060525



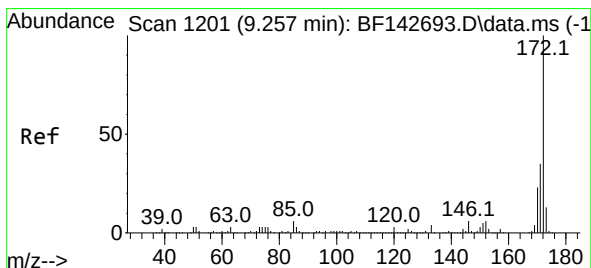
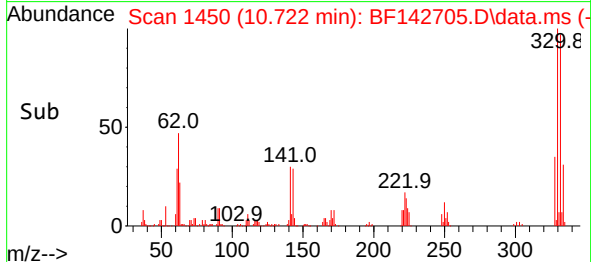
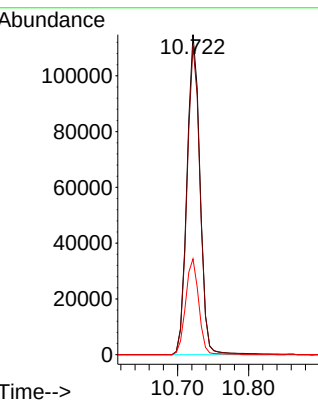
Tgt Ion:330 Resp: 146843

Ion Ratio Lower Upper

330 100

332 96.6 77.1 115.7

141 30.1 23.5 35.3



#45

2-Fluorobiphenyl

Concen: 57.051 ng

RT: 9.251 min Scan# 1200

Delta R.T. -0.012 min

Lab File: BF142705.D

Acq: 10 Jun 2025 11:42

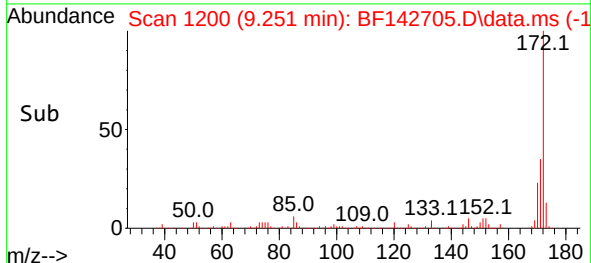
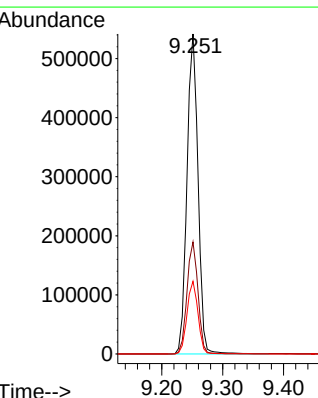
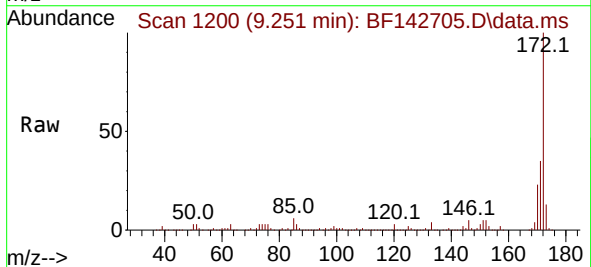
Tgt Ion:172 Resp: 680719

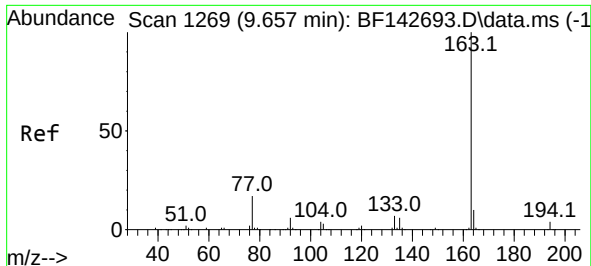
Ion Ratio Lower Upper

172 100

171 35.0 28.3 42.5

170 22.7 18.7 28.1

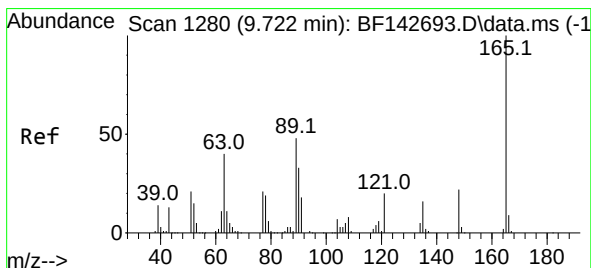
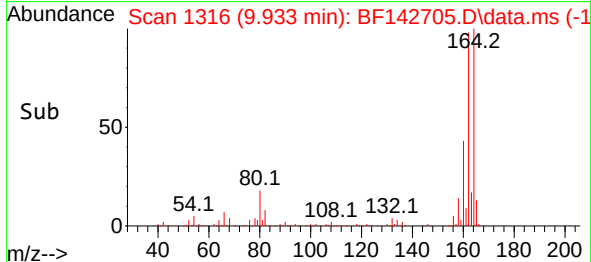
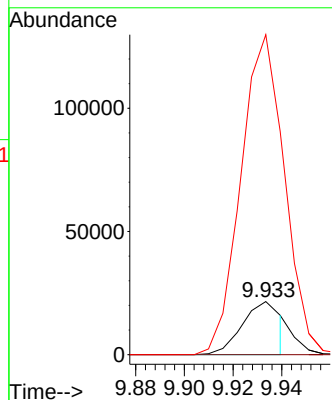
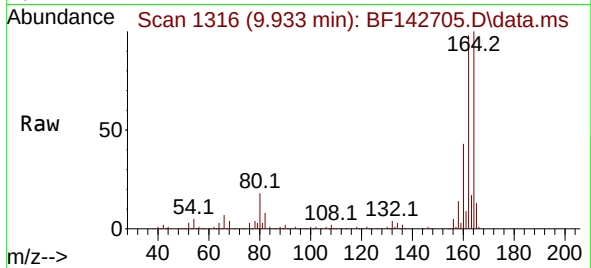




#50
Dimethylphthalate
Concen: 2.167 ng
RT: 9.933 min Scan# 1316
Delta R.T. 0.265 min
Lab File: BF142705.D
Acq: 10 Jun 2025 11:42

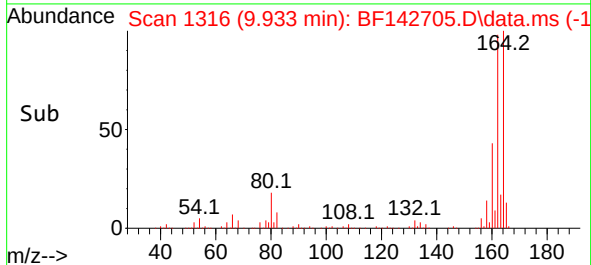
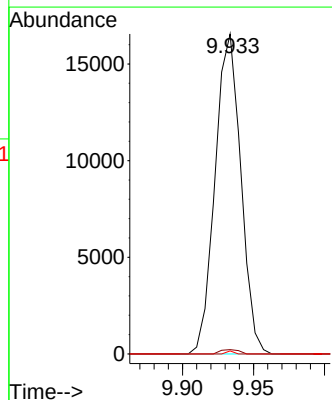
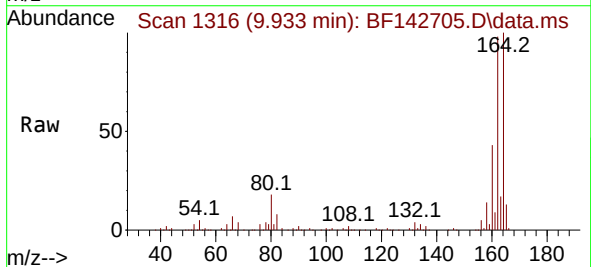
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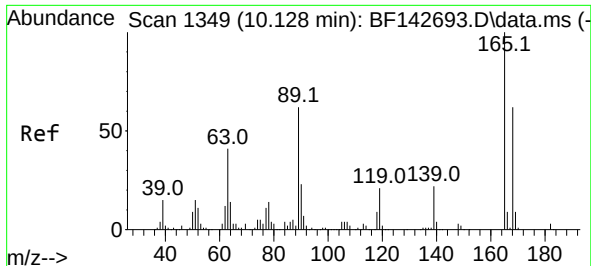
Tgt Ion:163 Resp: 23789
Ion Ratio Lower Upper
163 100
194 0.0 3.3 4.9#
164 601.6 8.1 12.1#



#51
2,6-Dinitrotoluene
Concen: 8.778 ng
RT: 9.933 min Scan# 1316
Delta R.T. 0.206 min
Lab File: BF142705.D
Acq: 10 Jun 2025 11:42

Tgt Ion:165 Resp: 20846
Ion Ratio Lower Upper
165 100
63 1.4 41.3 61.9#
89 1.0 38.1 57.1#

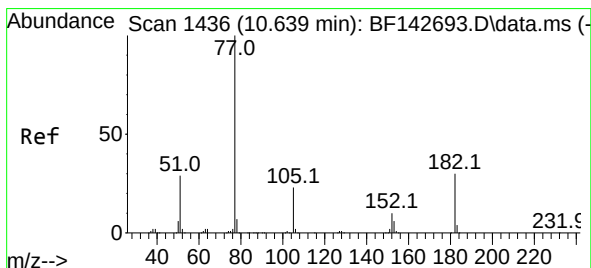
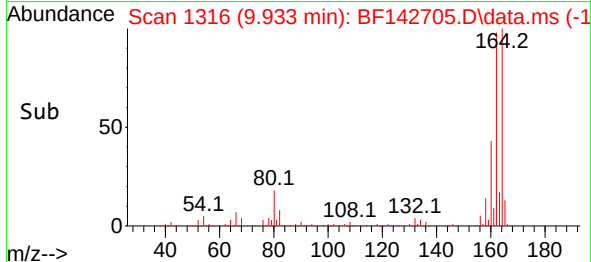
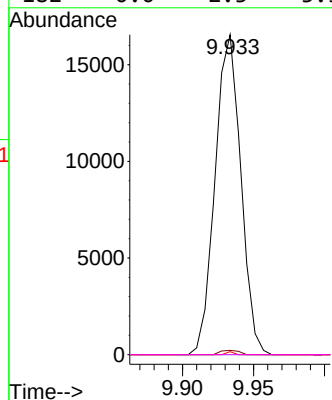
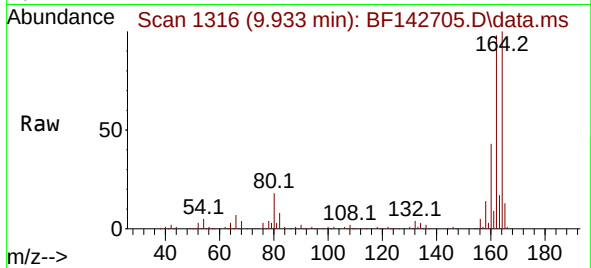




#57
2,4-Dinitrotoluene
Concen: 6.548 ng
RT: 9.933 min Scan# 11
Delta R.T. -0.200 min
Lab File: BF142705.D
Acq: 10 Jun 2025 11:42

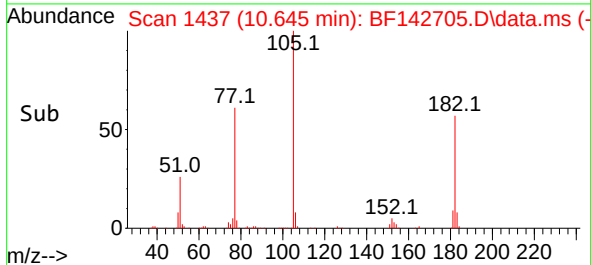
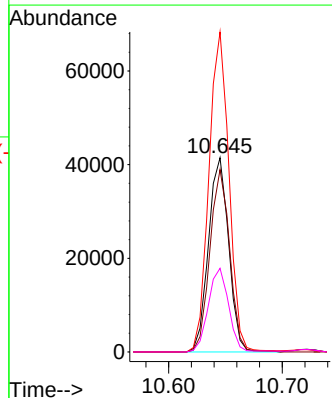
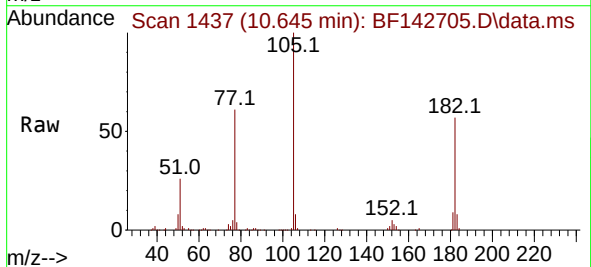
Instrument :
BNA_F
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OU4-PCS-TC-37-060525

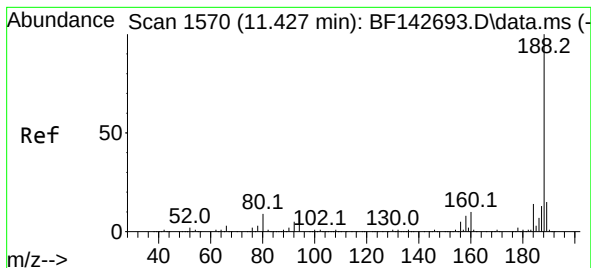
Tgt Ion:165 Resp: 20846
Ion Ratio Lower Upper
165 100
63 1.4 33.6 50.4#
89 1.0 49.4 74.0#
182 0.0 2.3 3.5#



#63
Azobenzene
Concen: 5.372 ng
RT: 10.645 min Scan# 1437
Delta R.T. 0.006 min
Lab File: BF142705.D
Acq: 10 Jun 2025 11:42

Tgt Ion: 77 Resp: 51287
Ion Ratio Lower Upper
77 100
182 93.9 9.5 49.5#
105 164.7 2.3 42.3#
51 43.0 11.2 51.2





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.422 min Scan# 11

Delta R.T. -0.006 min

Lab File: BF142705.D

Acq: 10 Jun 2025 11:42

Instrument :

BNA_F

ClientSampleId :

OU4-PCS-TC-37-060525

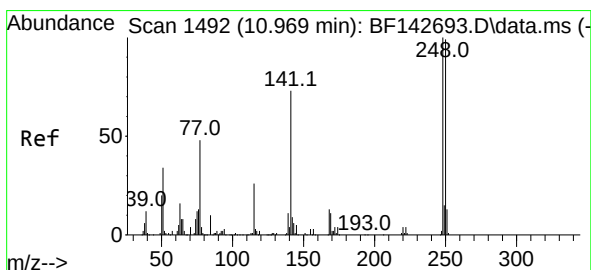
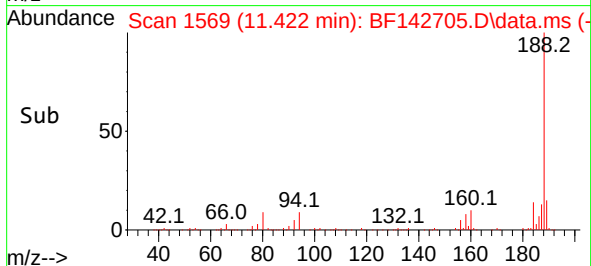
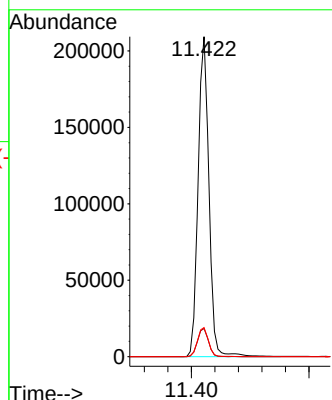
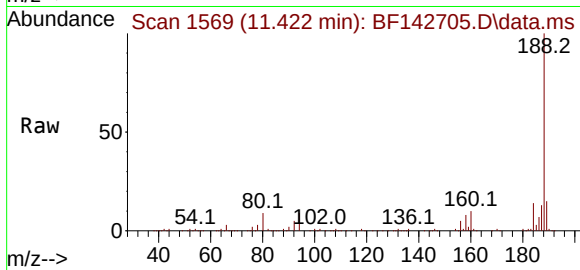
Tgt Ion:188 Resp: 267108

Ion Ratio Lower Upper

188 100

94 8.8 7.0 10.4

80 9.1 7.2 10.8



#67

4-Bromophenyl-phenylether

Concen: 3.099 ng

RT: 10.722 min Scan# 1450

Delta R.T. -0.253 min

Lab File: BF142705.D

Acq: 10 Jun 2025 11:42

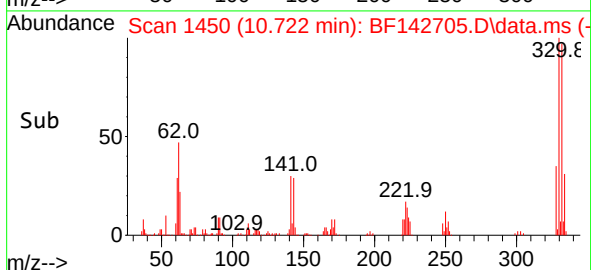
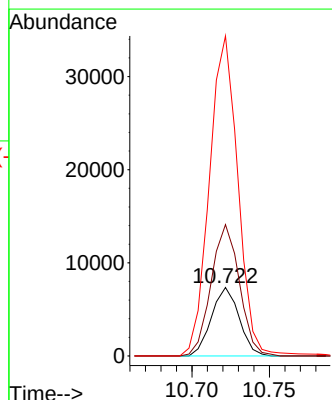
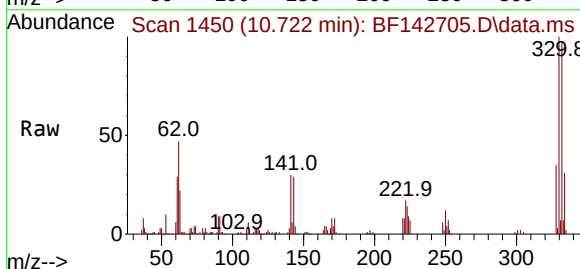
Tgt Ion:248 Resp: 9148

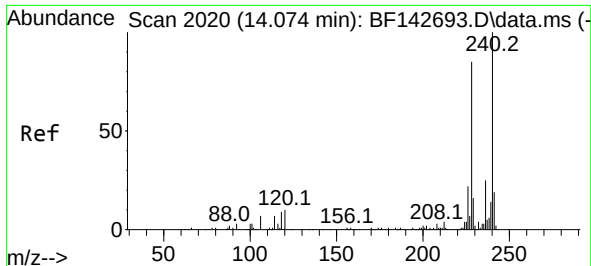
Ion Ratio Lower Upper

248 100

250 191.7 79.1 118.7#

141 466.8 58.5 87.7#

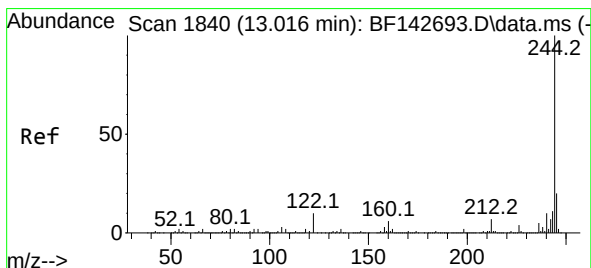
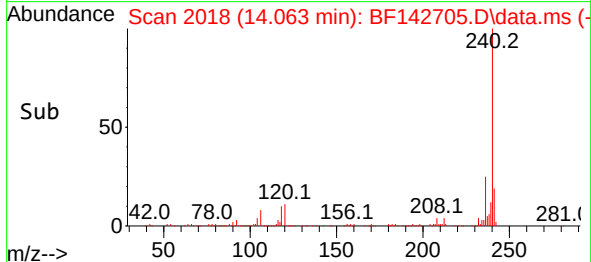
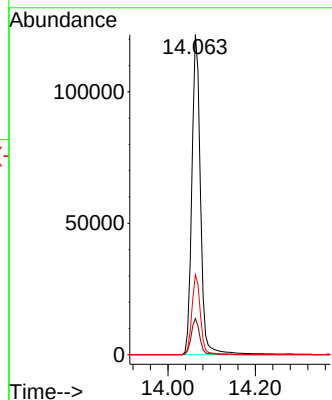
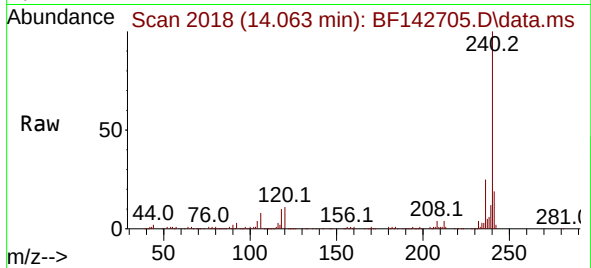




#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.063 min Scan# 20
Delta R.T. -0.012 min
Lab File: BF142705.D
Acq: 10 Jun 2025 11:42

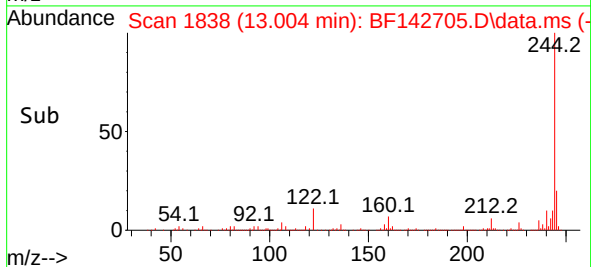
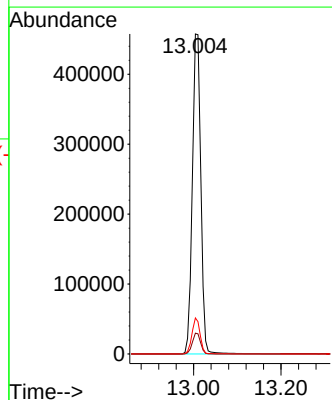
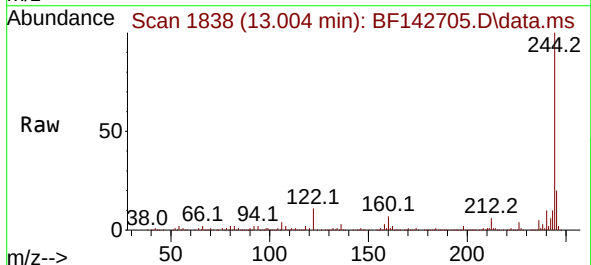
Instrument :
BNA_F
ClientSampleId :
OU4-PCS-TC-37-060525

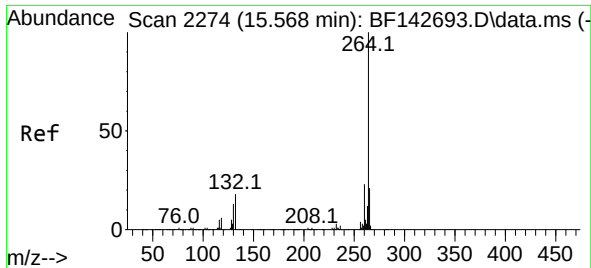
Tgt Ion:240 Resp: 167914
Ion Ratio Lower Upper
240 100
120 11.4 8.4 12.6
236 25.0 20.2 30.2



#79
Terphenyl-d14
Concen: 58.081 ng
RT: 13.004 min Scan# 1838
Delta R.T. -0.012 min
Lab File: BF142705.D
Acq: 10 Jun 2025 11:42

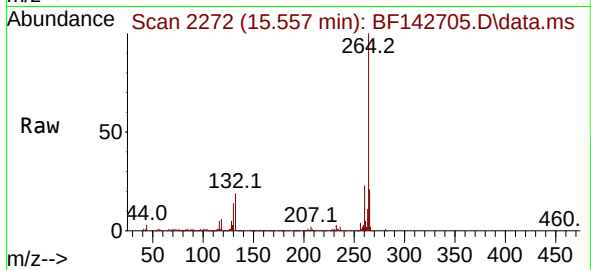
Tgt Ion:244 Resp: 616656
Ion Ratio Lower Upper
244 100
212 6.5 5.3 7.9
122 11.3 8.2 12.2





#86
Perylene-d12
Concen: 20.000 ng
RT: 15.557 min Scan# 21
Delta R.T. -0.012 min
Lab File: BF142705.D
Acq: 10 Jun 2025 11:42

Instrument :
BNA_F
ClientSampleId :
OU4-PCS-TC-37-060525



Tgt Ion:264 Resp: 224529

Ion	Ratio	Lower	Upper
264	100		
260	23.3	18.5	27.7
265	21.1	17.0	25.4

