

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF022025\
 Data File : BF141700.D
 Acq On : 20 Feb 2025 13:36
 Operator : RC/JU
 Sample : Q1383-11
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 OU4-PCS-TC-16-021725

Quant Time: Feb 20 14:02:40 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF020625.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Feb 06 16:58:59 2025
 Response via : Initial Calibration

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

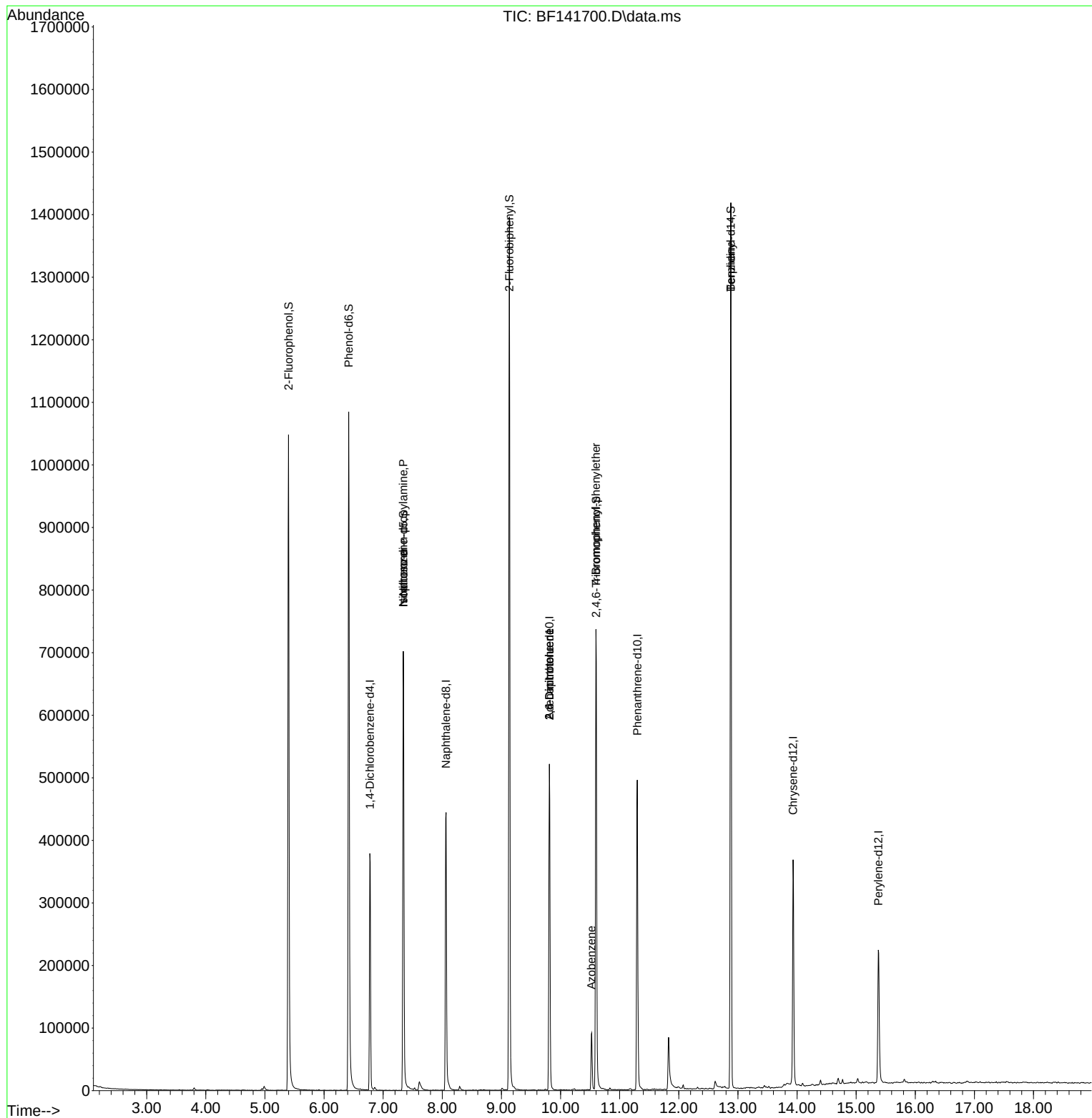
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.775	152	82444	20.000	ng	-0.02
21) Naphthalene-d8	8.063	136	322017	20.000	ng	-0.01
39) Acenaphthene-d10	9.810	164	167817	20.000	ng	-0.02
64) Phenanthrene-d10	11.298	188	284309	20.000	ng	-0.02
76) Chrysene-d12	13.933	240	192403	20.000	ng	-0.03
86) Perylene-d12	15.374	264	145631	20.000	ng	-0.04
System Monitoring Compounds						
5) 2-Fluorophenol	5.399	112	416622	79.224	ng	-0.01
7) Phenol-d6	6.416	99	523552	78.769	ng	-0.02
23) Nitrobenzene-d5	7.340	82	329559	53.380	ng	-0.02
42) 2,4,6-Tribromophenol	10.604	330	128585	76.275	ng	-0.02
45) 2-Fluorobiphenyl	9.134	172	628950	57.741	ng	-0.02
79) Terphenyl-d14	12.880	244	696166	61.083	ng	-0.02
Target Compounds						
						Qvalue
19) n-Nitroso-di-n-propyla...	7.340	70	43698	10.991	ng	# 73
25) Isophorone	7.340	82	319353	32.441	ng	# 66
51) 2,6-Dinitrotoluene	9.810	165	20986	8.426	ng	# 22
57) 2,4-Dinitrotoluene	9.810	165	20986	6.330	ng	# 18
63) Azobenzene	10.522	77	24868	2.232	ng	# 1
67) 4-Bromophenyl-phenylether	10.598	248	9032	2.842	ng	# 1
77) Benzidine	12.880	184	9575	2.256	ng	# 92

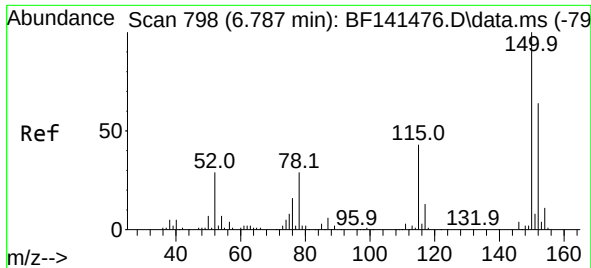
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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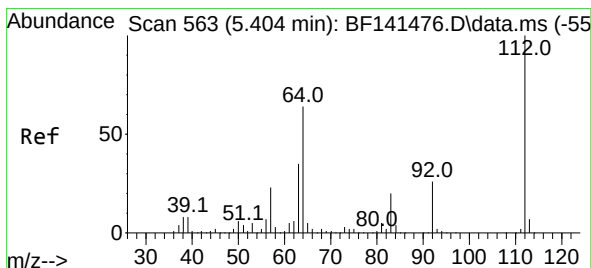
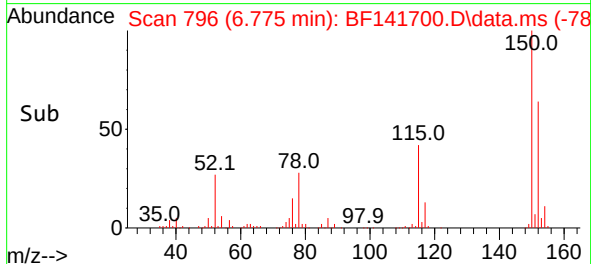
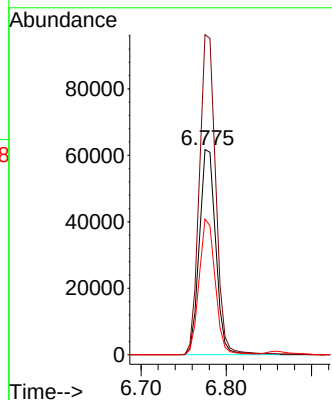
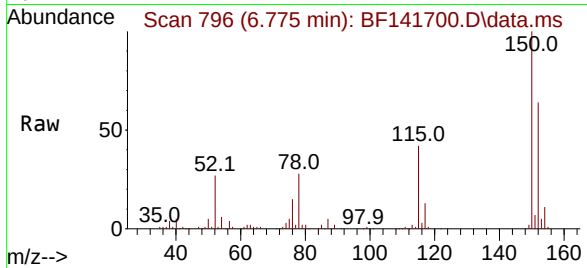




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.775 min Scan# 798
Delta R.T. -0.017 min
Lab File: BF141700.D
Acq: 20 Feb 2025 13:36

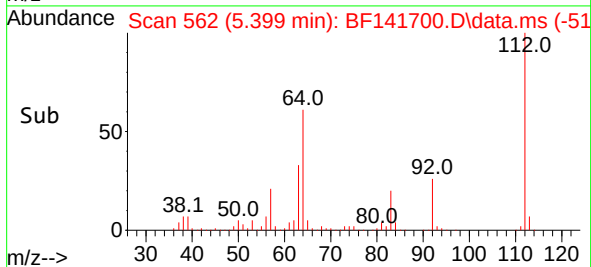
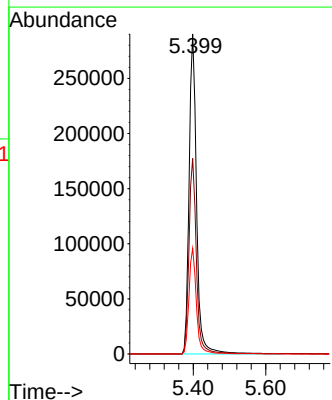
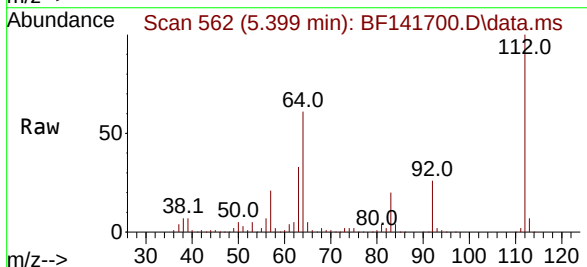
Instrument :
BNA_F
ClientSampleId :
OU4-PCS-TC-16-021725

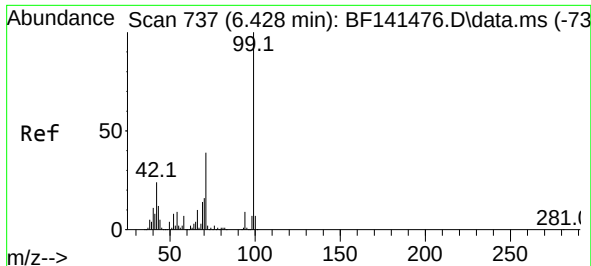
Tgt Ion:152 Resp: 82444
Ion Ratio Lower Upper
152 100
150 156.0 125.0 187.4
115 66.0 53.6 80.4



#5
2-Fluorophenol
Concen: 79.224 ng
RT: 5.399 min Scan# 562
Delta R.T. -0.012 min
Lab File: BF141700.D
Acq: 20 Feb 2025 13:36

Tgt Ion:112 Resp: 416622
Ion Ratio Lower Upper
112 100
64 61.1 51.1 76.7
63 33.0 28.4 42.6

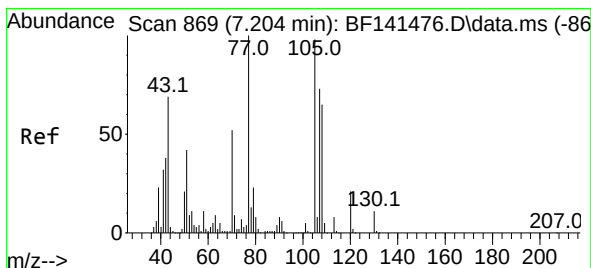
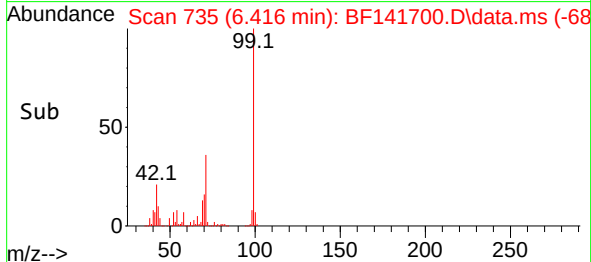
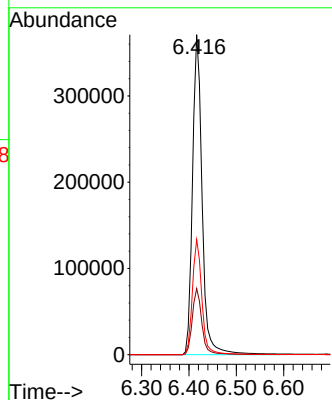
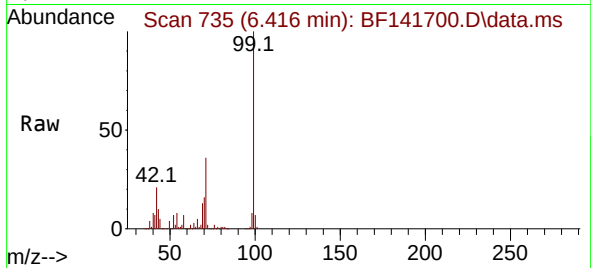




#7
Phenol-d6
Concen: 78.769 ng
RT: 6.416 min Scan# 71
Delta R.T. -0.023 min
Lab File: BF141700.D
Acq: 20 Feb 2025 13:36

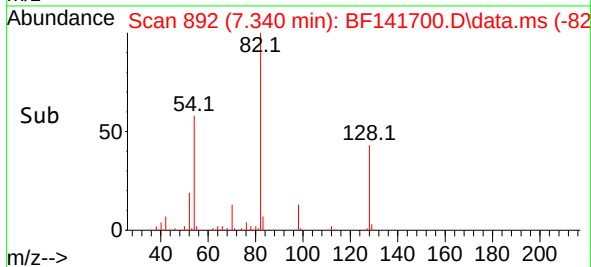
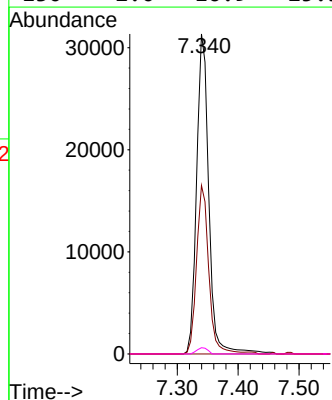
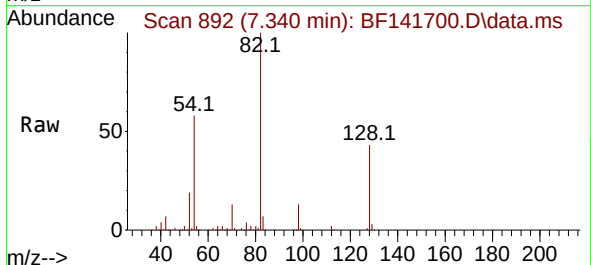
Instrument :
BNA_F
ClientSampleId :
OU4-PCS-TC-16-021725

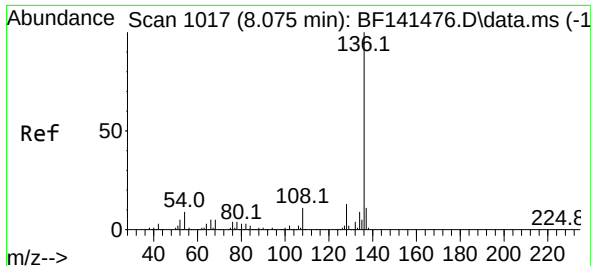
Tgt Ion: 99 Resp: 523552
Ion Ratio Lower Upper
99 100
42 20.7 19.1 28.7
71 35.9 31.1 46.7



#19
n-Nitroso-di-n-propylamine
Concen: 10.991 ng
RT: 7.340 min Scan# 892
Delta R.T. 0.124 min
Lab File: BF141700.D
Acq: 20 Feb 2025 13:36

Tgt Ion: 70 Resp: 43698
Ion Ratio Lower Upper
70 100
42 52.7 57.4 86.2#
101 0.0 8.0 12.0#
130 2.0 16.9 25.3#

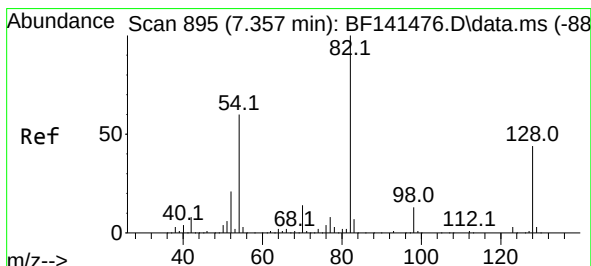
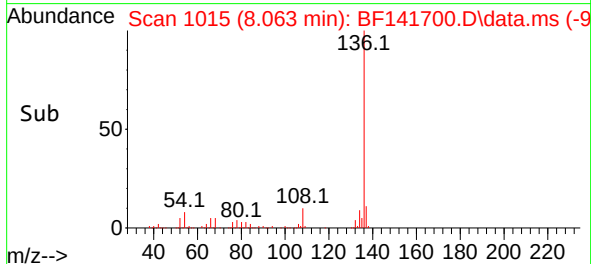
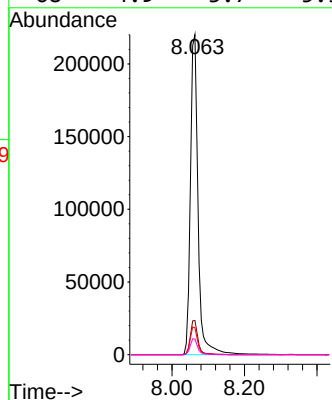
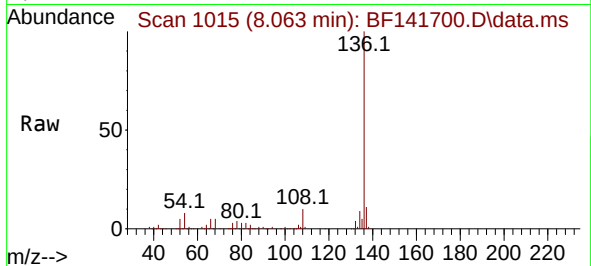




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.063 min Scan# 1015
Delta R.T. -0.012 min
Lab File: BF141700.D
Acq: 20 Feb 2025 13:36

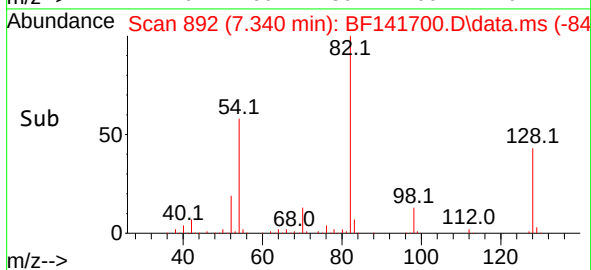
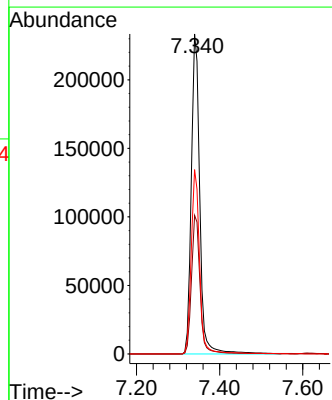
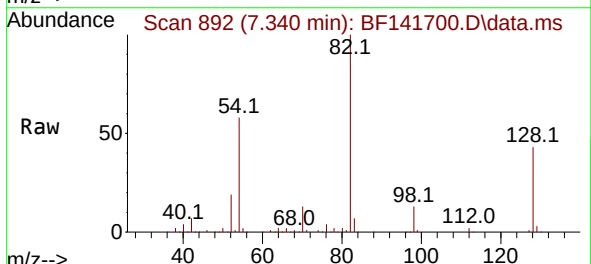
Instrument :
BNA_F
ClientSampleId :
OU4-PCS-TC-16-021725

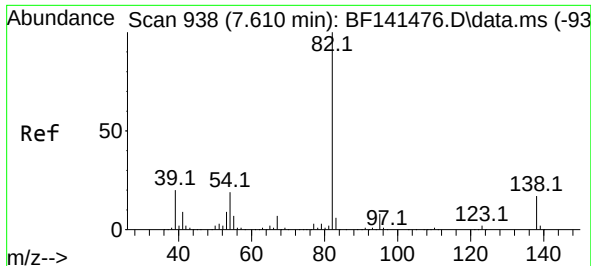
Tgt Ion:136	Resp: 322017		
Ion	Ratio	Lower	Upper
136	100		
137	10.7	8.6	13.0
54	8.5	7.2	10.8
68	4.9	3.7	5.5



#23
Nitrobenzene-d5
Concen: 53.380 ng
RT: 7.340 min Scan# 892
Delta R.T. -0.023 min
Lab File: BF141700.D
Acq: 20 Feb 2025 13:36

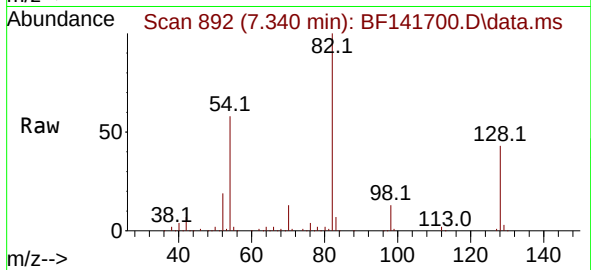
Tgt Ion: 82	Resp: 329559
Ion Ratio	Lower Upper
82 100	
128 43.3	34.8 52.2
54 57.6	48.2 72.4



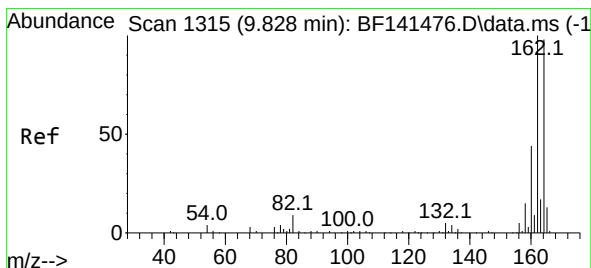
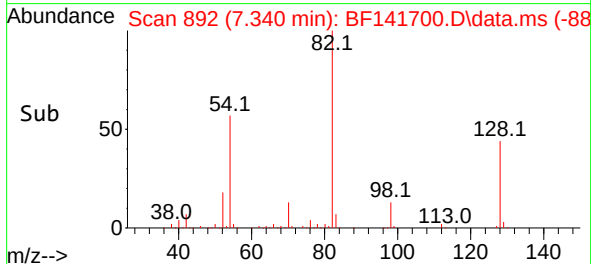
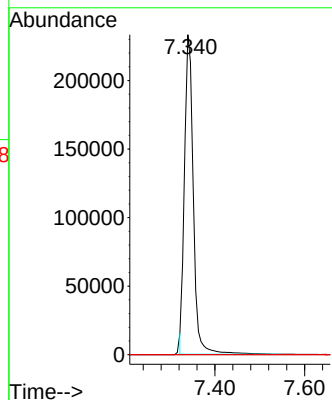


#25
Isophorone
Concen: 32.441 ng
RT: 7.340 min Scan# 89
Delta R.T. -0.282 min
Lab File: BF141700.D
Acq: 20 Feb 2025 13:36

Instrument :
BNA_F
ClientSampleId :
OU4-PCS-TC-16-021725

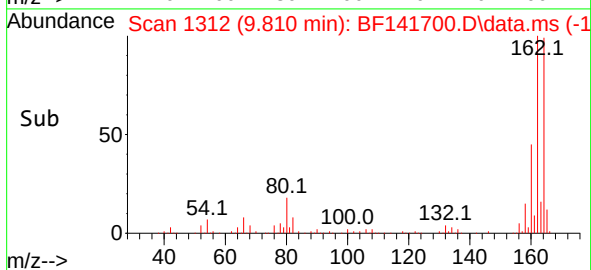
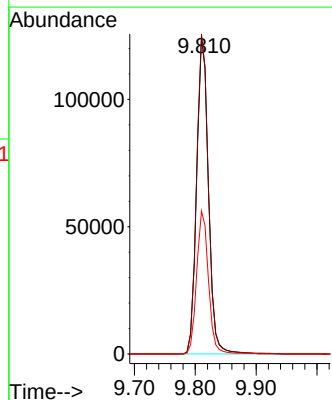
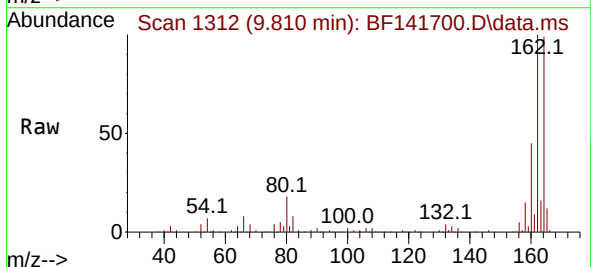


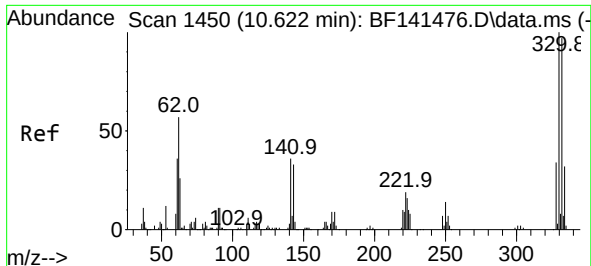
Tgt Ion: 82 Resp: 319353
Ion Ratio Lower Upper
82 100
95 0.0 6.4 9.6#
138 0.0 13.9 20.9#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.810 min Scan# 1312
Delta R.T. -0.023 min
Lab File: BF141700.D
Acq: 20 Feb 2025 13:36

Tgt Ion:164 Resp: 167817
Ion Ratio Lower Upper
164 100
162 101.3 81.3 121.9
160 45.2 35.9 53.9





#42

2,4,6-Tribromophenol

Concen: 76.275 ng

RT: 10.604 min Scan# 1450

Delta R.T. -0.023 min

Lab File: BF141700.D

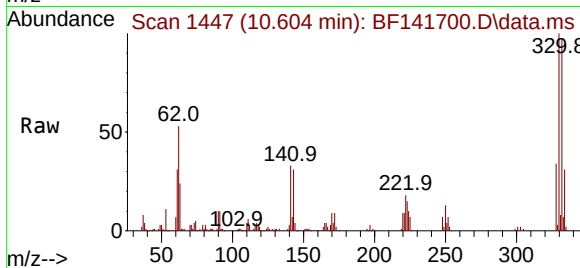
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Instrument :

BNA_F

ClientSampleId :

OU4-PCS-TC-16-021725



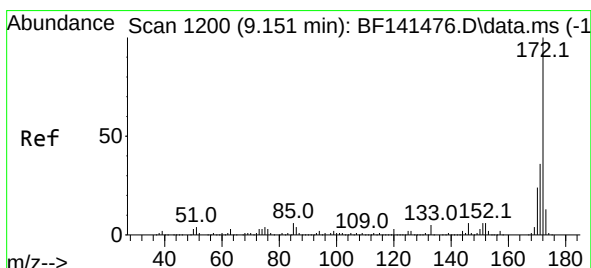
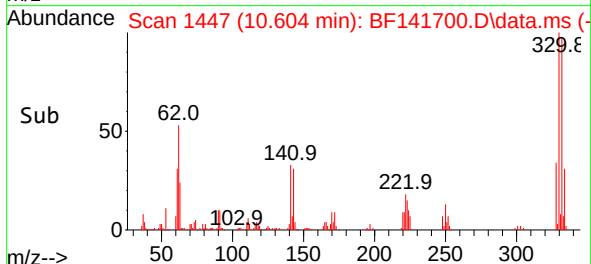
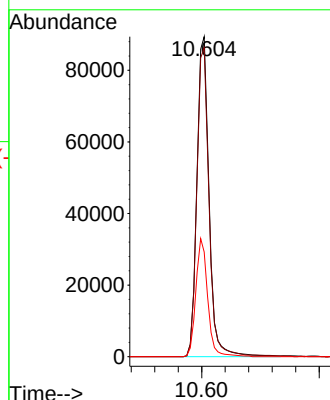
Tgt Ion:330 Resp: 128585

Ion Ratio Lower Upper

330 100

332 96.9 78.5 117.7

141 35.8 31.0 46.4



#45

2-Fluorobiphenyl

Concen: 57.741 ng

RT: 9.134 min Scan# 1197

Delta R.T. -0.017 min

Lab File: BF141700.D

Acq: 20 Feb 2025 13:36

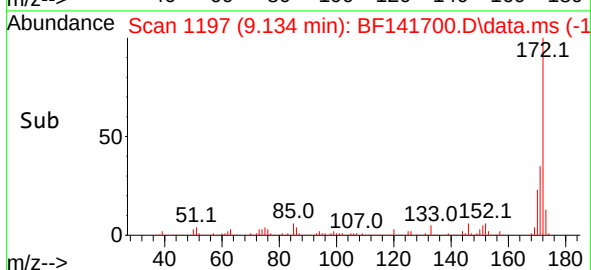
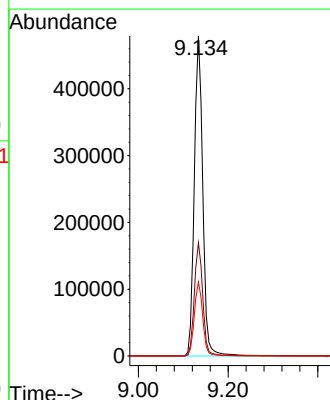
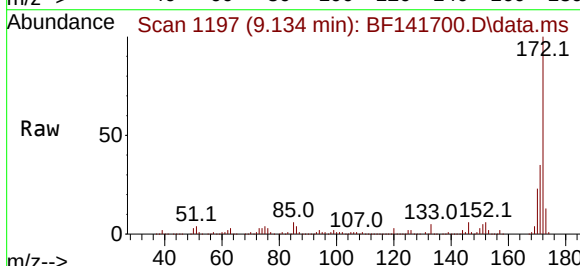
Tgt Ion:172 Resp: 628950

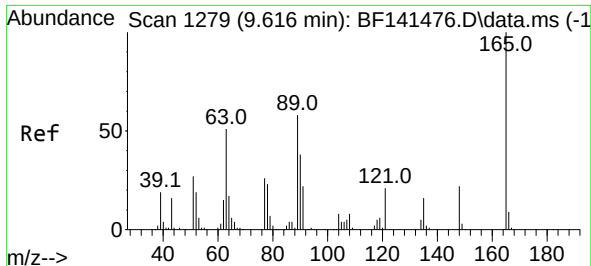
Ion Ratio Lower Upper

172 100

171 35.4 28.7 43.1

170 23.1 18.9 28.3

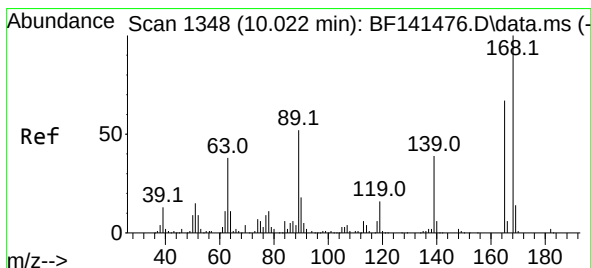
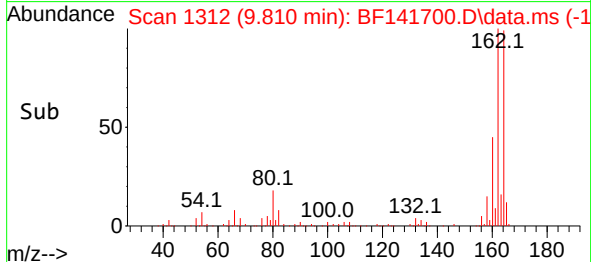
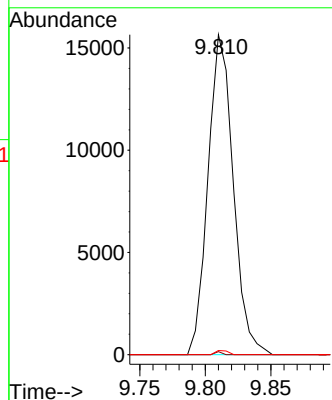
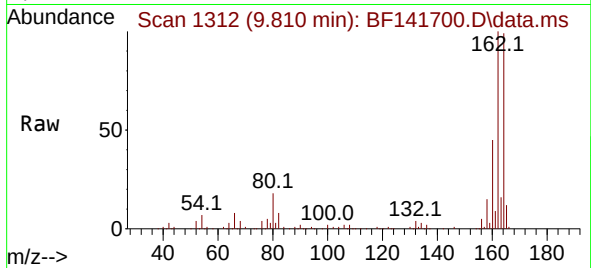




#51
2,6-Dinitrotoluene
Concen: 8.426 ng
RT: 9.810 min Scan# 11
Delta R.T. 0.188 min
Lab File: BF141700.D
Acq: 20 Feb 2025 13:36

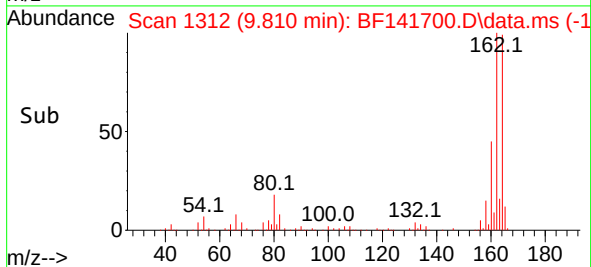
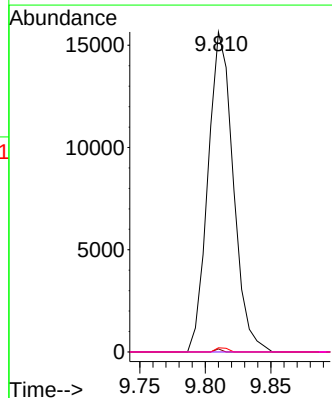
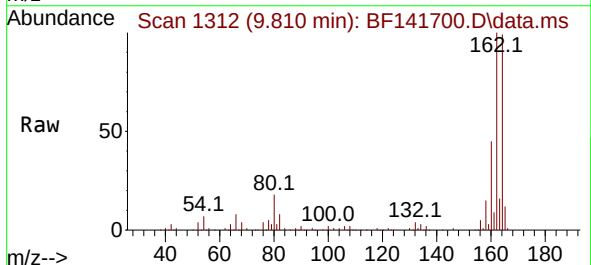
Instrument :
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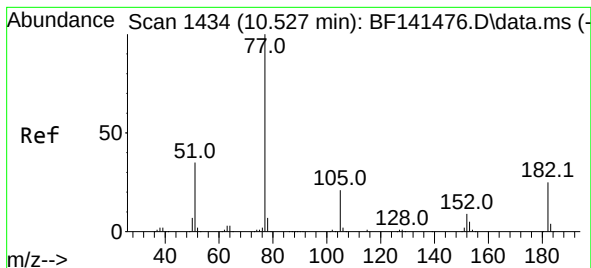
Tgt Ion:165 Resp: 20986
Ion Ratio Lower Upper
165 100
63 1.0 49.4 74.0#
89 1.3 46.5 69.7#



#57
2,4-Dinitrotoluene
Concen: 6.330 ng
RT: 9.810 min Scan# 1312
Delta R.T. -0.217 min
Lab File: BF141700.D
Acq: 20 Feb 2025 13:36

Tgt Ion:165 Resp: 20986
Ion Ratio Lower Upper
165 100
63 1.0 46.4 69.6#
89 1.3 61.8 92.6#
182 0.0 2.2 3.2#





#63

Azobenzene

Concen: 2.232 ng

RT: 10.522 min Scan# 1434

Delta R.T. -0.012 min

Lab File: BF141700.D

Acq: 20 Feb 2025 13:36

Instrument :

BNA_F

ClientSampleId :

OU4-PCS-TC-16-021725

Tgt Ion: 77 Resp: 24868

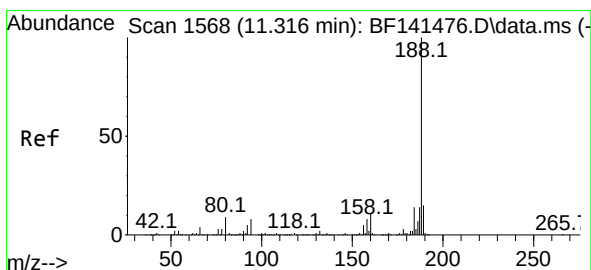
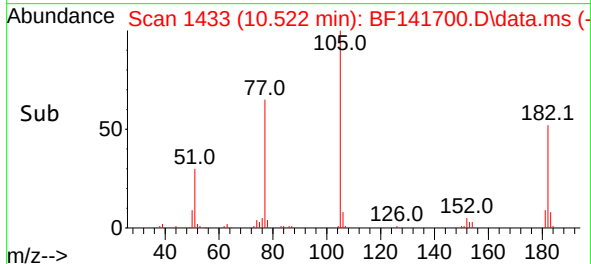
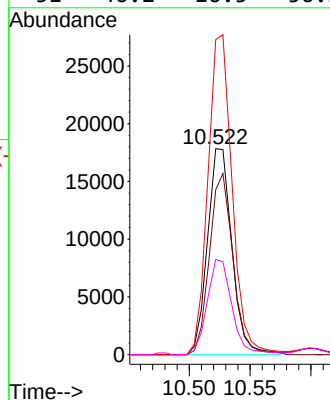
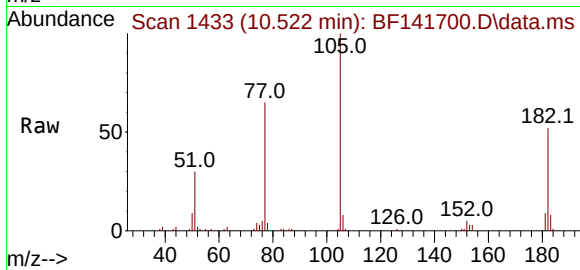
Ion Ratio Lower Upper

77 100

182 80.2 4.7 44.7#

105 153.0 0.4 40.4#

51 46.2 16.5 56.5



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.298 min Scan# 1565

Delta R.T. -0.017 min

Lab File: BF141700.D

Acq: 20 Feb 2025 13:36

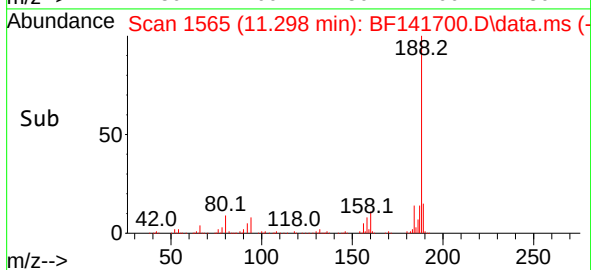
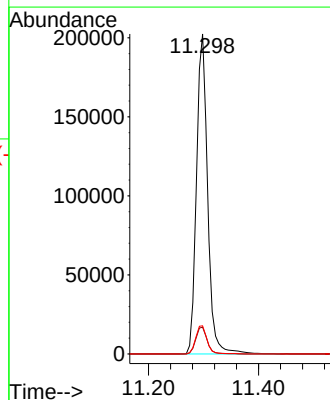
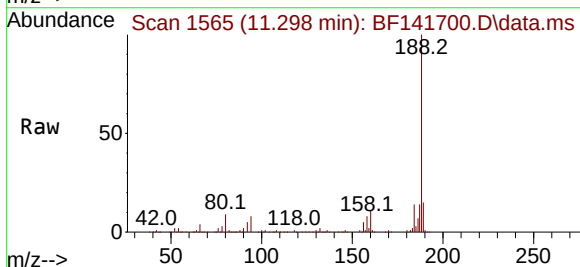
Tgt Ion: 188 Resp: 284309

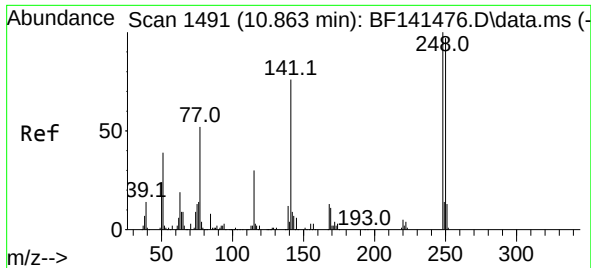
Ion Ratio Lower Upper

188 100

94 8.4 6.6 10.0

80 8.8 7.3 10.9

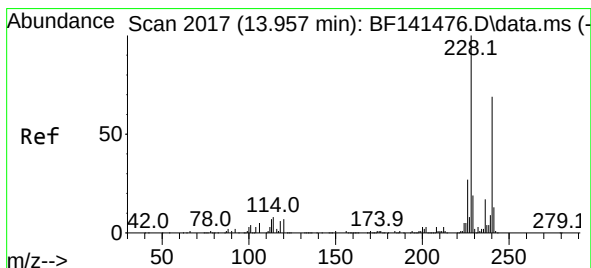
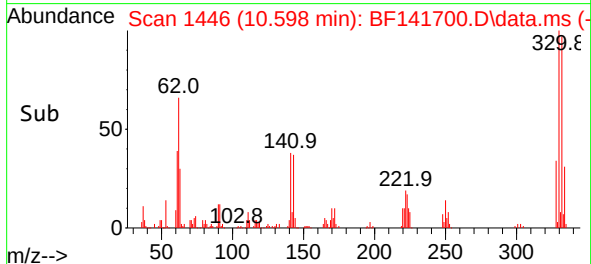
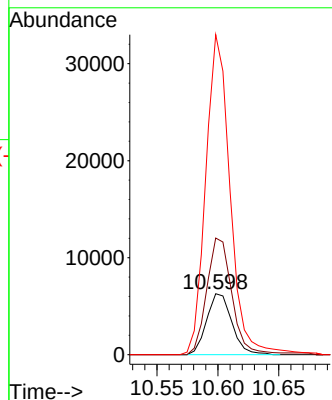
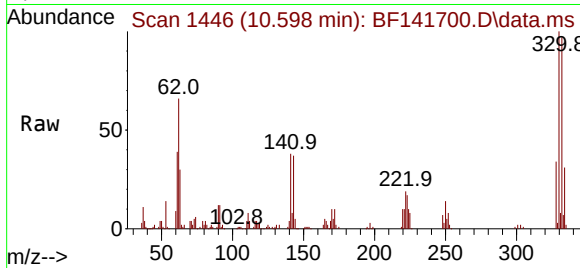




#67
4-Bromophenyl-phenylether
Concen: 2.842 ng
RT: 10.598 min Scan# 1491
Delta R.T. -0.264 min
Lab File: BF141700.D
Acq: 20 Feb 2025 13:36

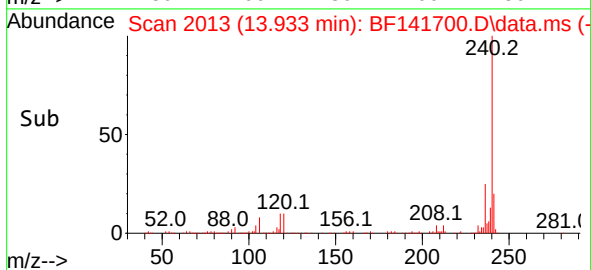
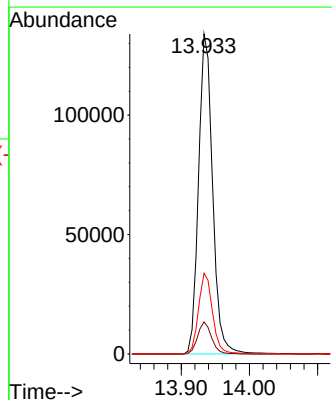
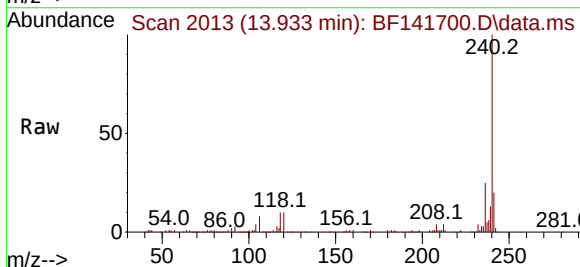
Instrument :
BNA_F
ClientSampleId :
OU4-PCS-TC-16-021725

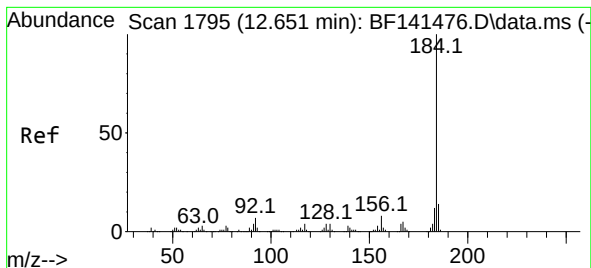
Tgt Ion:248 Resp: 9032
Ion Ratio Lower Upper
248 100
250 191.2 77.8 116.6#
141 524.3 60.6 90.8#



#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.933 min Scan# 2013
Delta R.T. -0.029 min
Lab File: BF141700.D
Acq: 20 Feb 2025 13:36

Tgt Ion:240 Resp: 192403
Ion Ratio Lower Upper
240 100
120 10.0 8.0 12.0
236 25.2 19.8 29.8





#77

Benzidine

Concen: 2.256 ng

RT: 12.880 min Scan# 1834

Delta R.T. 0.224 min

Lab File: BF141700.D

Acq: 20 Feb 2025 13:36

Instrument :

BNA_F

ClientSampleId :

OU4-PCS-TC-16-021725

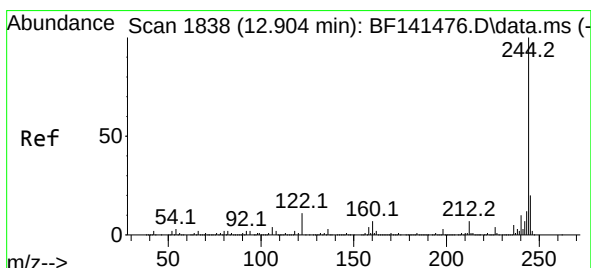
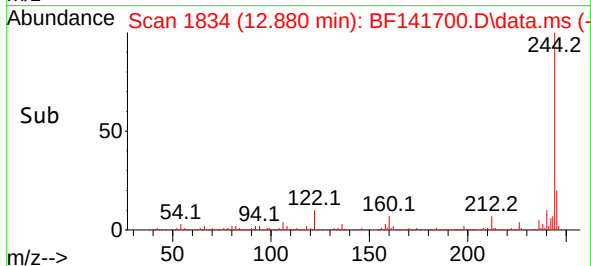
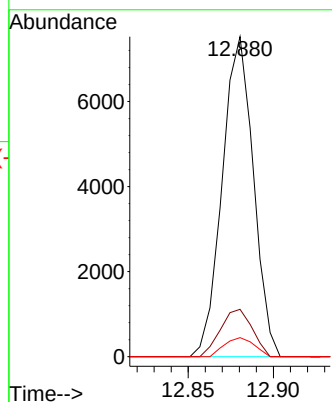
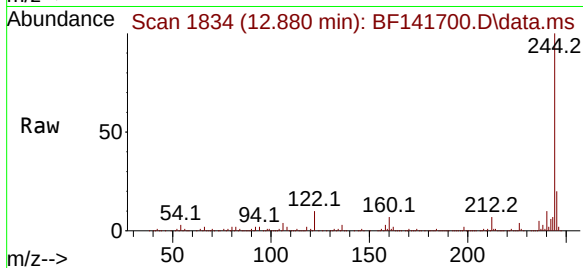
Tgt Ion:184 Resp: 9575

Ion Ratio Lower Upper

184 100

185 14.8 11.3 16.9

183 5.9 9.3 13.9#



#79

Terphenyl-d14

Concen: 61.083 ng

RT: 12.880 min Scan# 1834

Delta R.T. -0.023 min

Lab File: BF141700.D

Acq: 20 Feb 2025 13:36

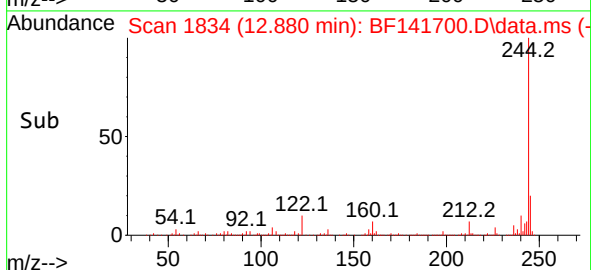
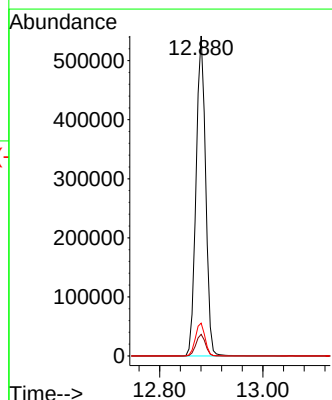
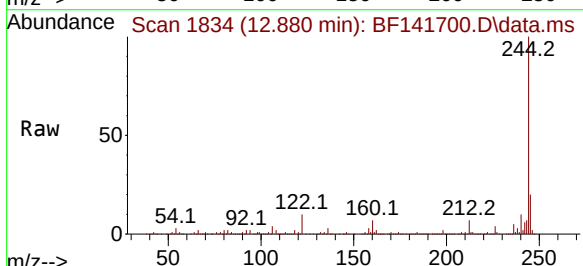
Tgt Ion:244 Resp: 696166

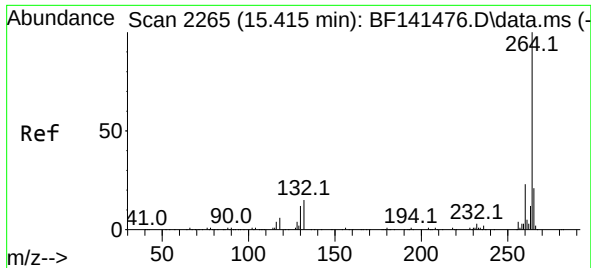
Ion Ratio Lower Upper

244 100

212 6.7 5.6 8.4

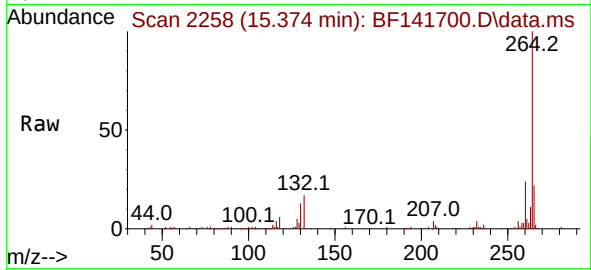
122 10.2 8.4 12.6





#86
Perylene-d12
Concen: 20.000 ng
RT: 15.374 min Scan# 21
Delta R.T. -0.041 min
Lab File: BF141700.D
Acq: 20 Feb 2025 13:36

Instrument :
BNA_F
ClientSampleId :
OU4-PCS-TC-16-021725



Tgt Ion:264 Resp: 145631
Ion Ratio Lower Upper
264 100
260 23.7 18.6 28.0
265 21.5 17.0 25.4

