

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF022025\
 Data File : BF141702.D
 Acq On : 20 Feb 2025 14:36
 Operator : RC/JU
 Sample : Q1383-15
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 OU4-PCS-TC-18-021725

Quant Time: Feb 20 14:56:41 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)

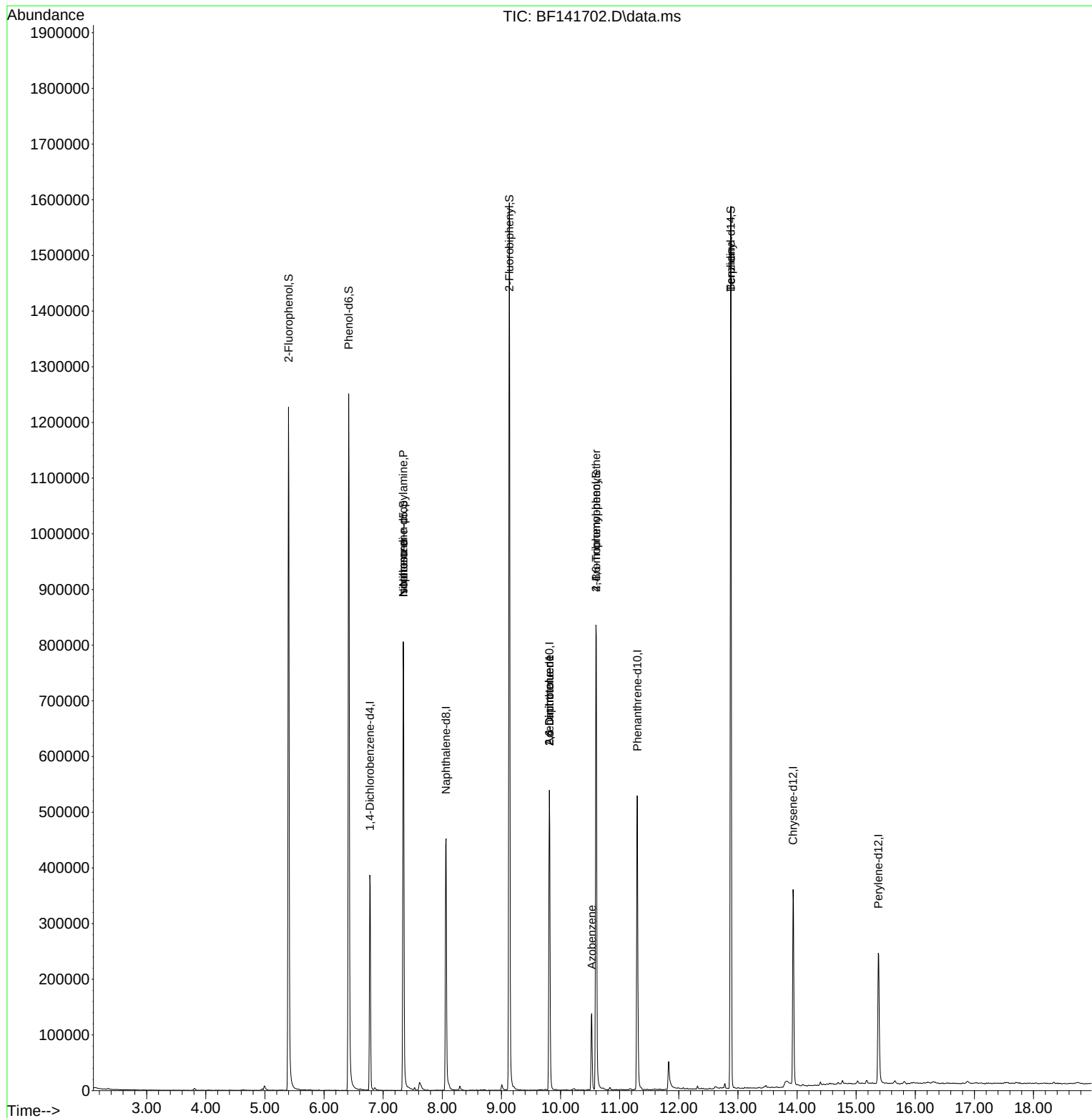
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.775	152	84665	20.000	ng	-0.02
21) Naphthalene-d8	8.063	136	329153	20.000	ng	-0.01
39) Acenaphthene-d10	9.810	164	174135	20.000	ng	-0.02
64) Phenanthrene-d10	11.298	188	300993	20.000	ng	-0.02
76) Chrysene-d12	13.933	240	190107	20.000	ng	-0.03
86) Perylene-d12	15.374	264	159816	20.000	ng	-0.04
System Monitoring Compounds						
5) 2-Fluorophenol	5.399	112	479827	88.850	ng	-0.01
7) Phenol-d6	6.416	99	599553	87.837	ng	-0.02
23) Nitrobenzene-d5	7.340	82	380295	60.262	ng	-0.02
42) 2,4,6-Tribromophenol	10.604	330	149623	85.535	ng	-0.02
45) 2-Fluorobiphenyl	9.134	172	718368	63.557	ng	-0.02
79) Terphenyl-d14	12.880	244	778501	69.132	ng	-0.02
Target Compounds						Qvalue
19) n-Nitroso-di-n-propyla...	7.340	70	50548	12.380	ng	# 72
25) Isophorone	7.340	82	369355	36.707	ng	# 66
51) 2,6-Dinitrotoluene	9.810	165	22146	8.570	ng	# 22
57) 2,4-Dinitrotoluene	9.810	165	22146	6.437	ng	# 19
63) Azobenzene	10.528	77	36707	3.175	ng	# 1
67) 4-Bromophenyl-phenylether	10.604	248	9472	2.816	ng	# 1
77) Benzidine	12.880	184	10011	2.388	ng	# 91

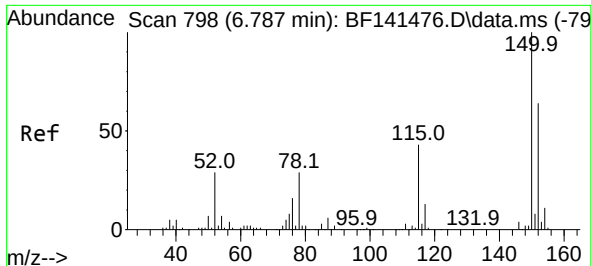
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration

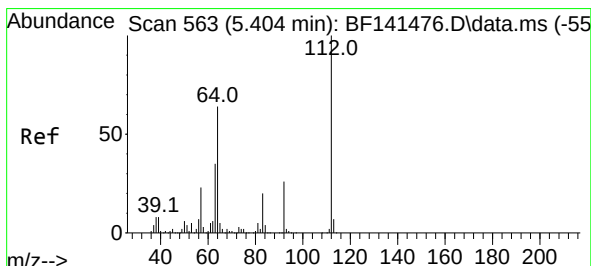
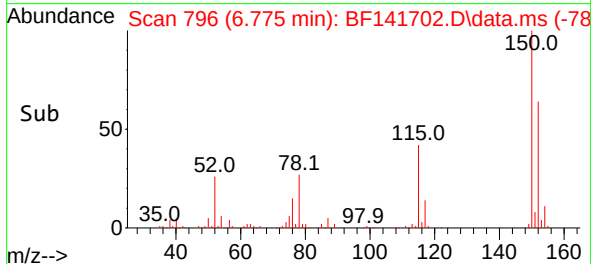
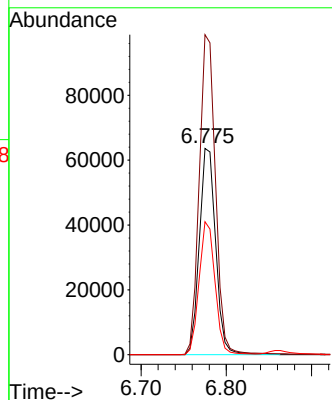
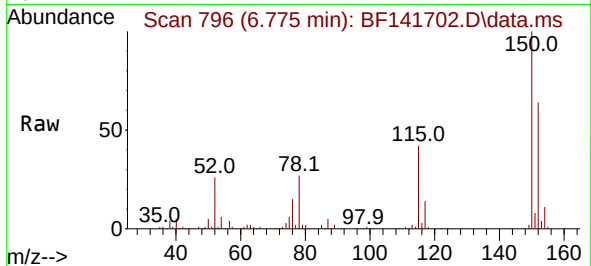




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.775 min Scan# 798
 Delta R.T. -0.017 min
 Lab File: BF141702.D
 Acq: 20 Feb 2025 14:36

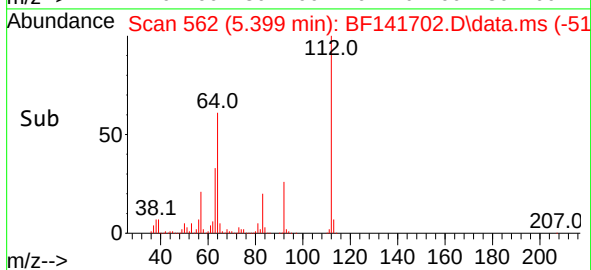
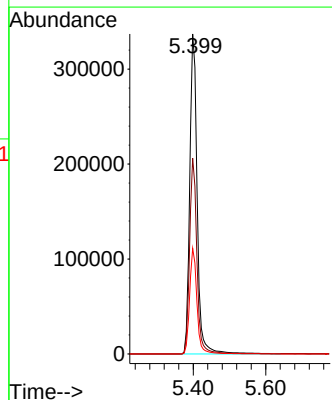
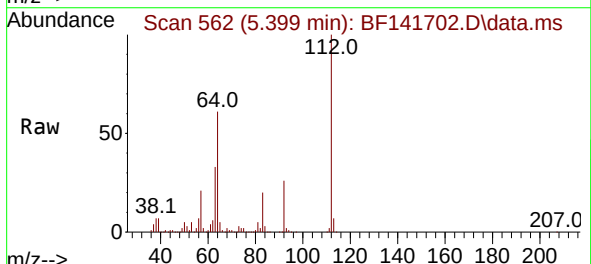
Instrument :
 BNA_F
 ClientSampleId :
 OU4-PCS-TC-18-021725

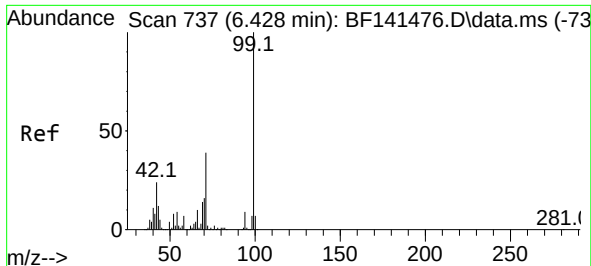
Tgt Ion:152 Resp: 84665
 Ion Ratio Lower Upper
 152 100
 150 155.1 125.0 187.4
 115 64.4 53.6 80.4



#5
 2-Fluorophenol
 Concen: 88.850 ng
 RT: 5.399 min Scan# 562
 Delta R.T. -0.012 min
 Lab File: BF141702.D
 Acq: 20 Feb 2025 14:36

Tgt Ion:112 Resp: 479827
 Ion Ratio Lower Upper
 112 100
 64 61.2 51.1 76.7
 63 33.0 28.4 42.6

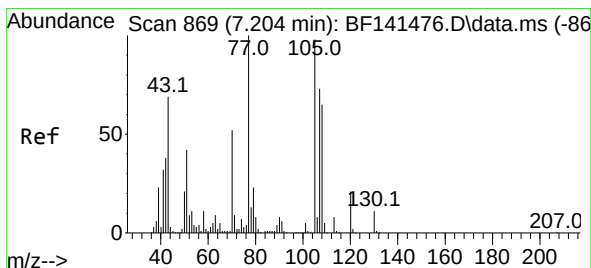
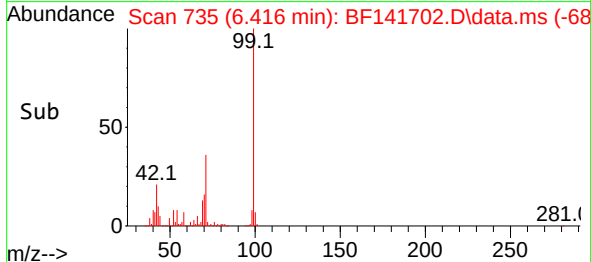
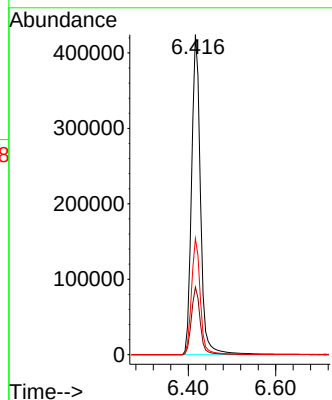
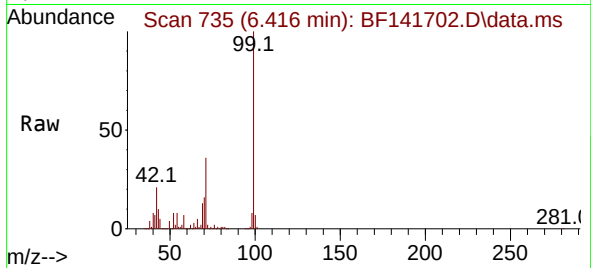




#7
Phenol-d6
Concen: 87.837 ng
RT: 6.416 min Scan# 71
Delta R.T. -0.023 min
Lab File: BF141702.D
Acq: 20 Feb 2025 14:36

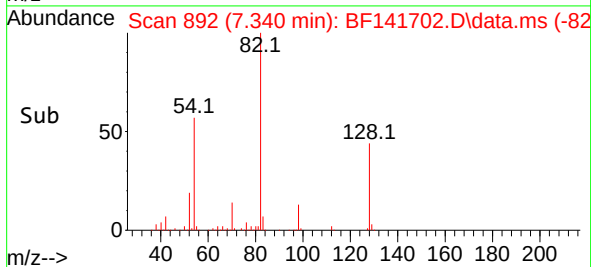
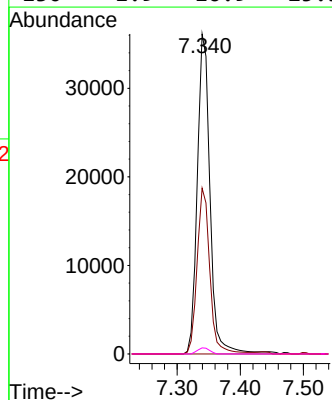
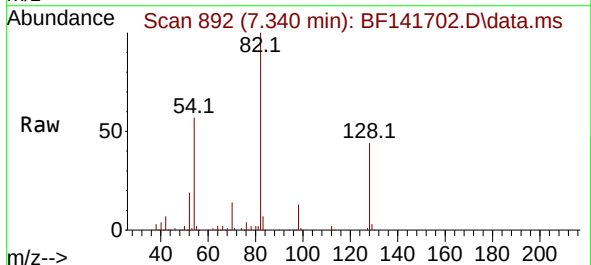
Instrument :
BNA_F
ClientSampleId :
OU4-PCS-TC-18-021725

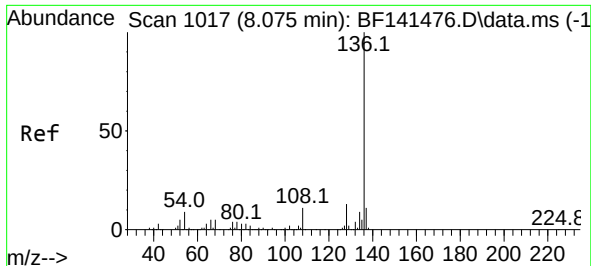
Tgt Ion: 99 Resp: 599553
Ion Ratio Lower Upper
99 100
42 21.1 19.1 28.7
71 36.3 31.1 46.7



#19
n-Nitroso-di-n-propylamine
Concen: 12.380 ng
RT: 7.340 min Scan# 892
Delta R.T. 0.124 min
Lab File: BF141702.D
Acq: 20 Feb 2025 14:36

Tgt Ion: 70 Resp: 50548
Ion Ratio Lower Upper
70 100
42 51.8 57.4 86.2#
101 0.0 8.0 12.0#
130 1.9 16.9 25.3#

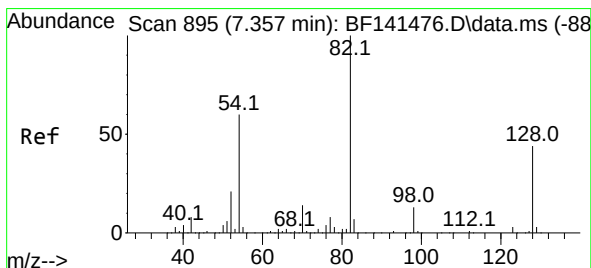
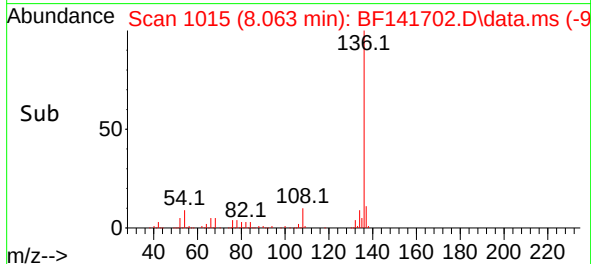
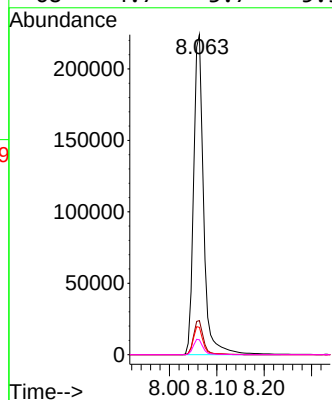
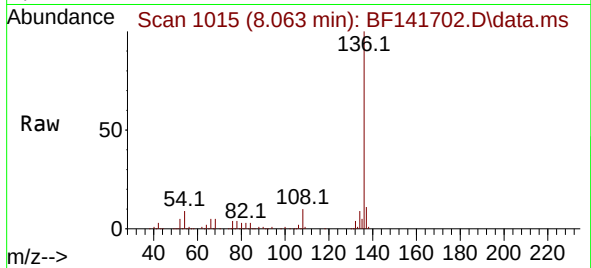




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.063 min Scan# 1015
Delta R.T. -0.012 min
Lab File: BF141702.D
Acq: 20 Feb 2025 14:36

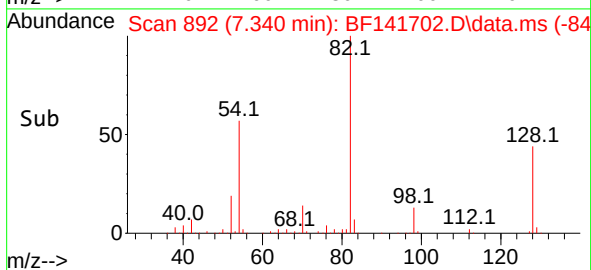
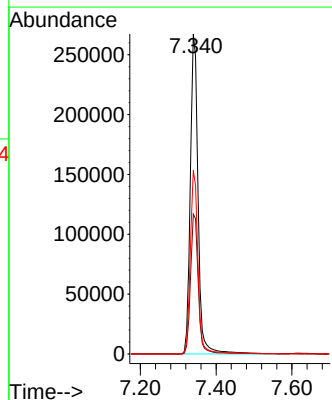
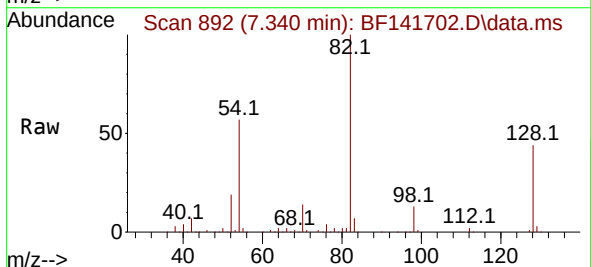
Instrument :
BNA_F
ClientSampleId :
OU4-PCS-TC-18-021725

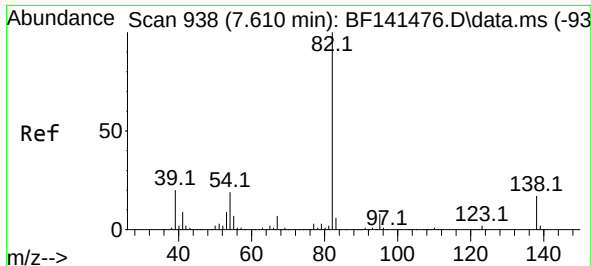
Tgt Ion:136 Resp: 329153
Ion Ratio Lower Upper
136 100
137 10.7 8.6 13.0
54 8.6 7.2 10.8
68 4.7 3.7 5.5



#23
Nitrobenzene-d5
Concen: 60.262 ng
RT: 7.340 min Scan# 892
Delta R.T. -0.023 min
Lab File: BF141702.D
Acq: 20 Feb 2025 14:36

Tgt Ion: 82 Resp: 380295
Ion Ratio Lower Upper
82 100
128 43.7 34.8 52.2
54 57.4 48.2 72.4

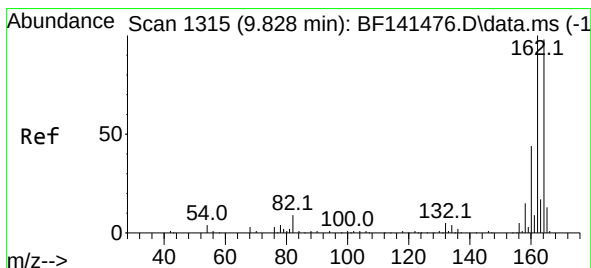
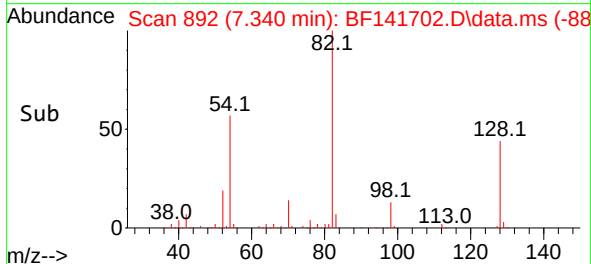
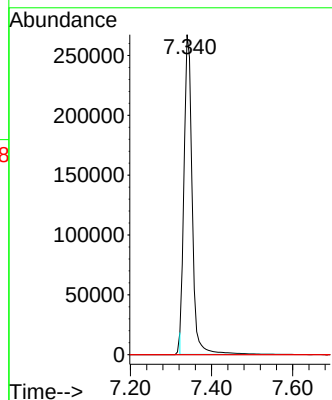
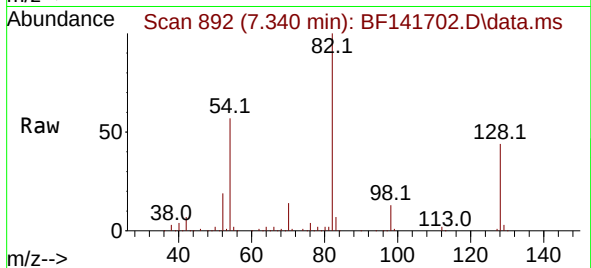




#25
Isophorone
Concen: 36.707 ng
RT: 7.340 min Scan# 892
Delta R.T. -0.282 min
Lab File: BF141702.D
Acq: 20 Feb 2025 14:36

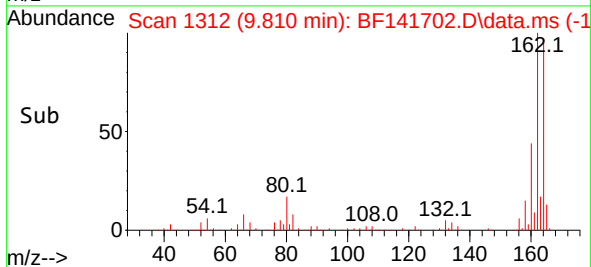
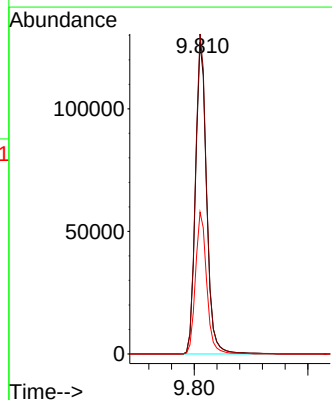
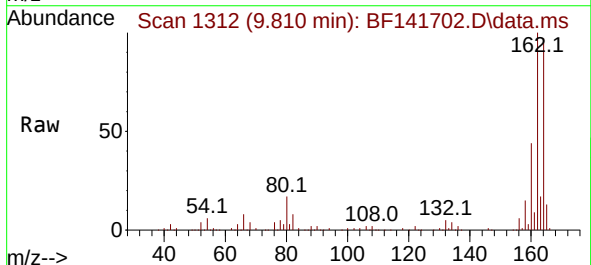
Instrument :
BNA_F
ClientSampleId :
OU4-PCS-TC-18-021725

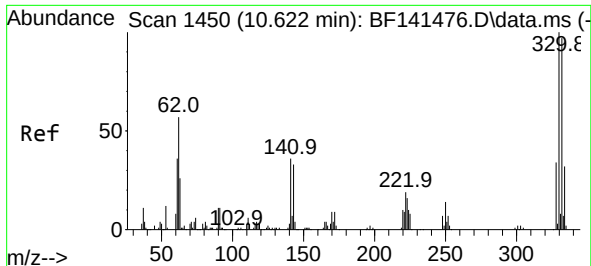
Tgt Ion: 82 Resp: 369355
Ion Ratio Lower Upper
82 100
95 0.0 6.4 9.6#
138 0.0 13.9 20.9#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.810 min Scan# 1312
Delta R.T. -0.023 min
Lab File: BF141702.D
Acq: 20 Feb 2025 14:36

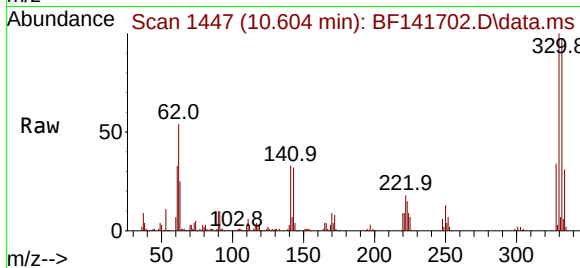
Tgt Ion:164 Resp: 174135
Ion Ratio Lower Upper
164 100
162 102.7 81.3 121.9
160 45.5 35.9 53.9



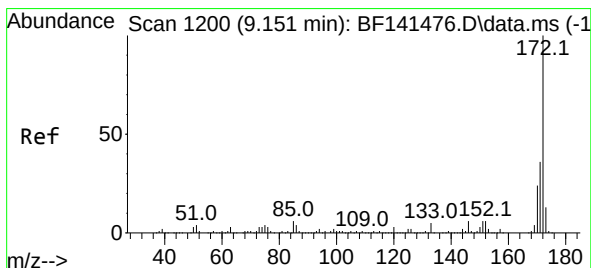
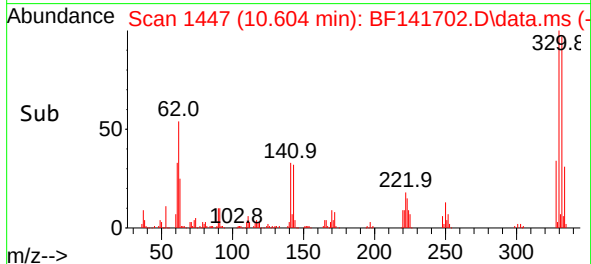
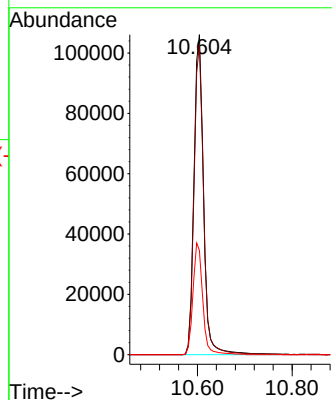


#42
2,4,6-Tribromophenol
Concen: 85.535 ng
RT: 10.604 min Scan# 1450
Delta R.T. -0.023 min
Lab File: BF141702.D
Acq: 20 Feb 2025 14:36

Instrument :
BNA_F
ClientSampleId :
OU4-PCS-TC-18-021725

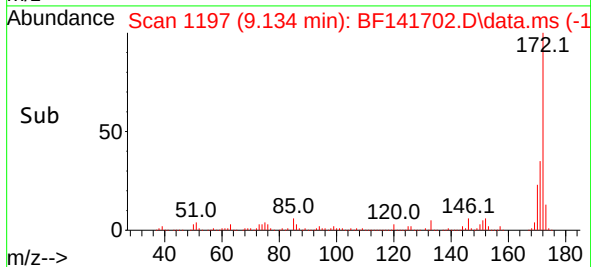
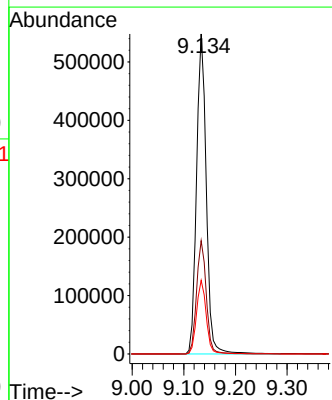
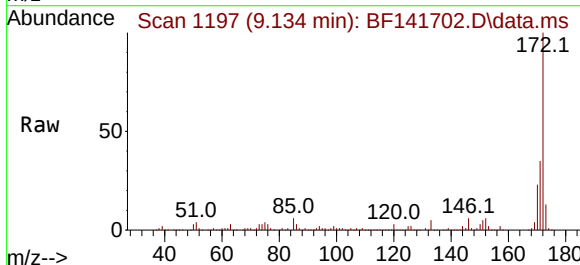


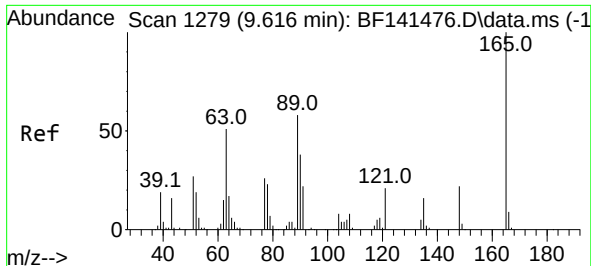
Tgt Ion: 330 Resp: 149623
Ion Ratio Lower Upper
330 100
332 96.1 78.5 117.7
141 35.2 31.0 46.4



#45
2-Fluorobiphenyl
Concen: 63.557 ng
RT: 9.134 min Scan# 1197
Delta R.T. -0.017 min
Lab File: BF141702.D
Acq: 20 Feb 2025 14:36

Tgt Ion: 172 Resp: 718368
Ion Ratio Lower Upper
172 100
171 35.4 28.7 43.1
170 23.0 18.9 28.3





#51

2,6-Dinitrotoluene

Concen: 8.570 ng

RT: 9.810 min Scan# 1

Delta R.T. 0.188 min

Lab File: BF141702.D

Acq: 20 Feb 2025 14:36

Instrument :

BNA_F

ClientSampleId :

OU4-PCS-TC-18-021725

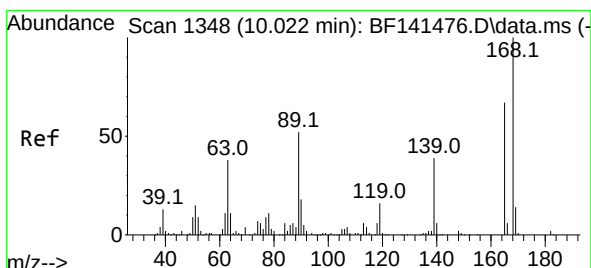
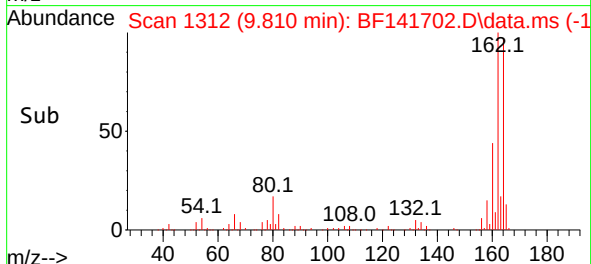
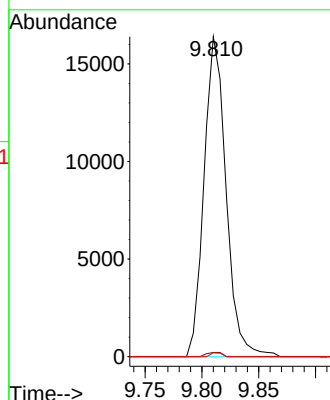
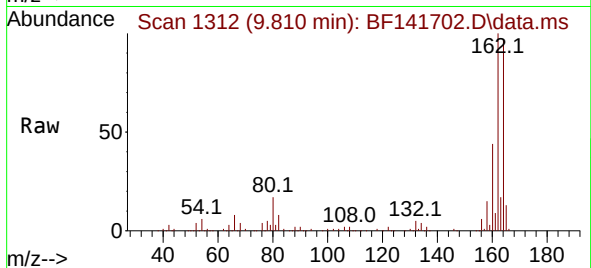
Tgt Ion:165 Resp: 22146

Ion Ratio Lower Upper

165 100

63 1.3 49.4 74.0#

89 1.2 46.5 69.7#



#57

2,4-Dinitrotoluene

Concen: 6.437 ng

RT: 9.810 min Scan# 1312

Delta R.T. -0.217 min

Lab File: BF141702.D

Acq: 20 Feb 2025 14:36

Tgt Ion:165 Resp: 22146

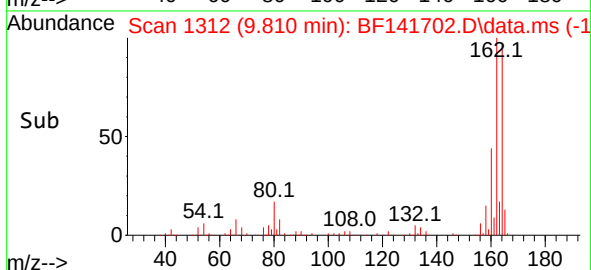
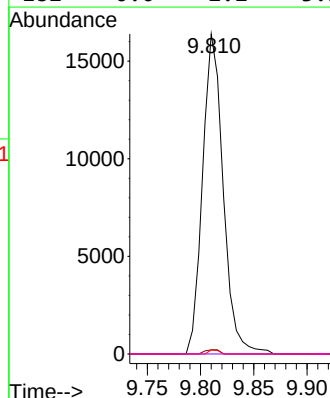
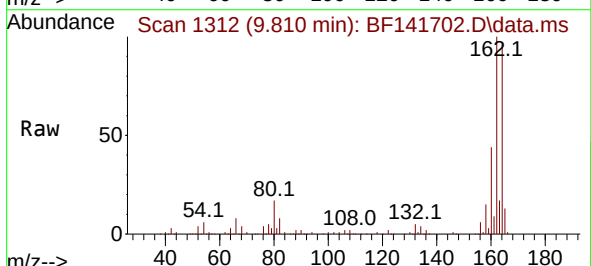
Ion Ratio Lower Upper

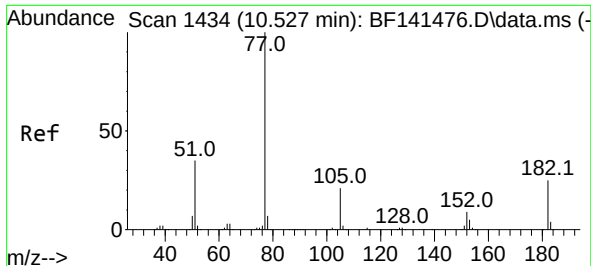
165 100

63 1.3 46.4 69.6#

89 1.2 61.8 92.6#

182 0.0 2.2 3.2#

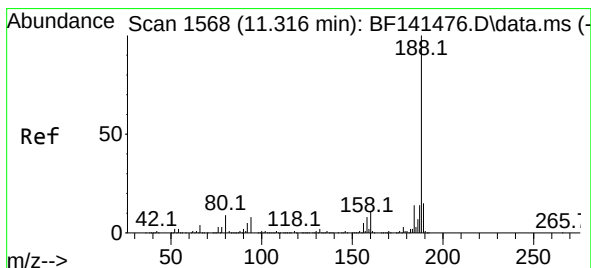
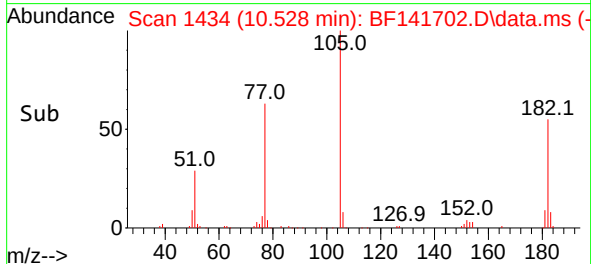
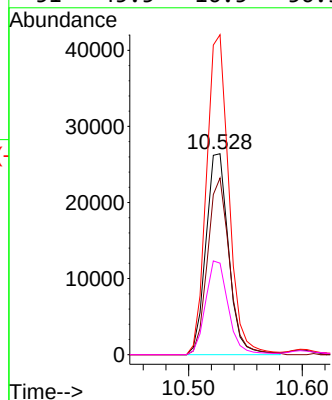
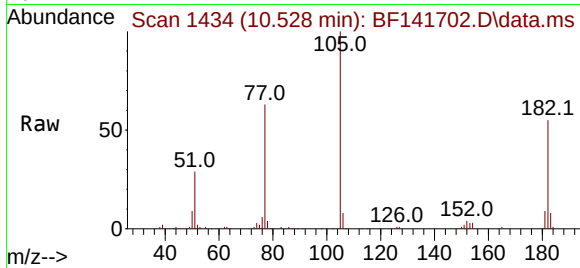




#63
Azobenzene
Concen: 3.175 ng
RT: 10.528 min Scan# 1434
Delta R.T. -0.006 min
Lab File: BF141702.D
Acq: 20 Feb 2025 14:36

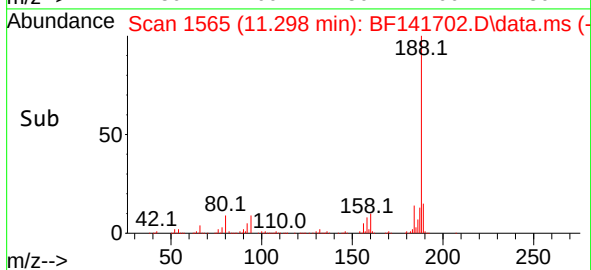
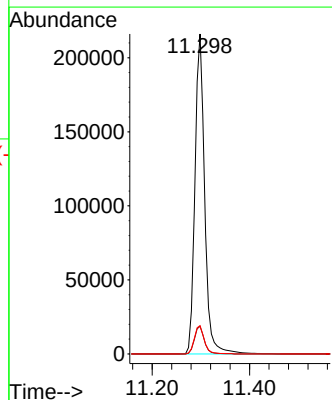
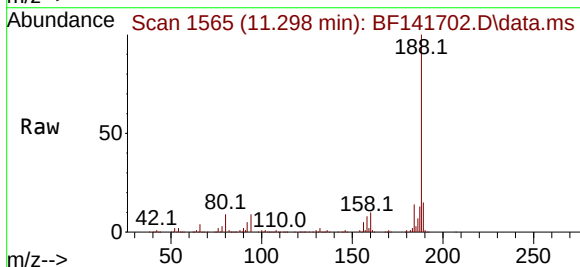
Instrument :
BNA_F
ClientSampleId :
OU4-PCS-TC-18-021725

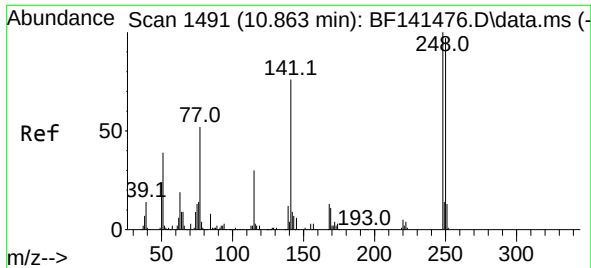
Tgt Ion: 77 Resp: 36707
Ion Ratio Lower Upper
77 100
182 87.9 4.7 44.7#
105 159.3 0.4 40.4#
51 45.5 16.5 56.5



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.298 min Scan# 1565
Delta R.T. -0.017 min
Lab File: BF141702.D
Acq: 20 Feb 2025 14:36

Tgt Ion:188 Resp: 300993
Ion Ratio Lower Upper
188 100
94 8.6 6.6 10.0
80 8.8 7.3 10.9

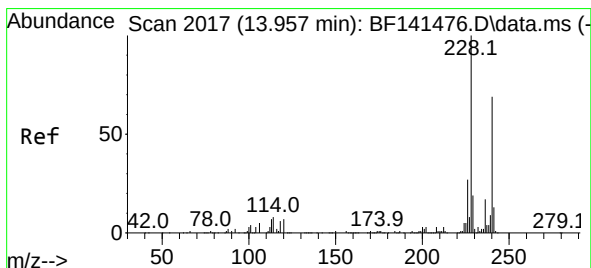
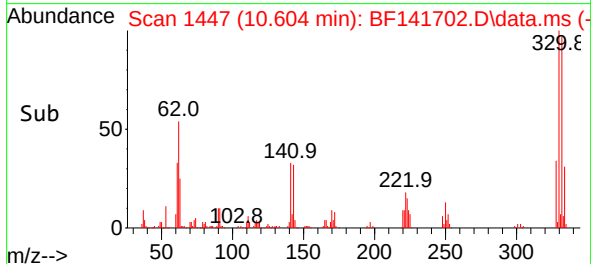
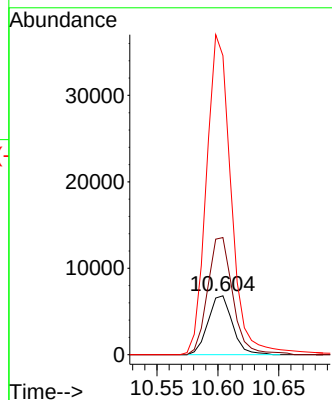
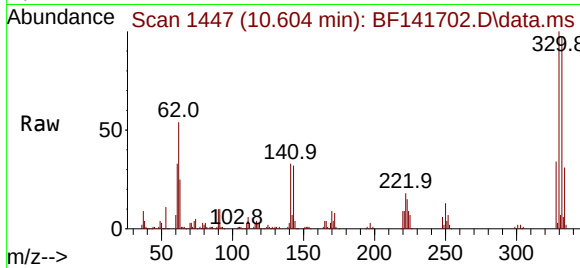




#67
4-Bromophenyl-phenylether
Concen: 2.816 ng
RT: 10.604 min Scan# 1491
Delta R.T. -0.259 min
Lab File: BF141702.D
Acq: 20 Feb 2025 14:36

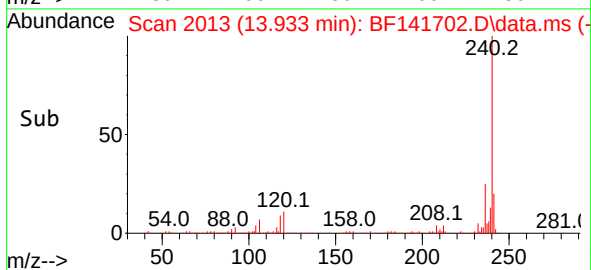
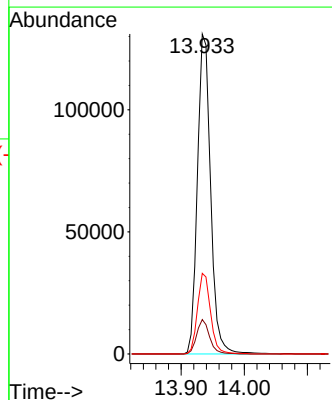
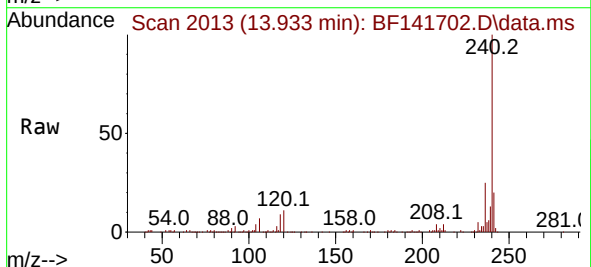
Instrument :
BNA_F
ClientSampleId :
OU4-PCS-TC-18-021725

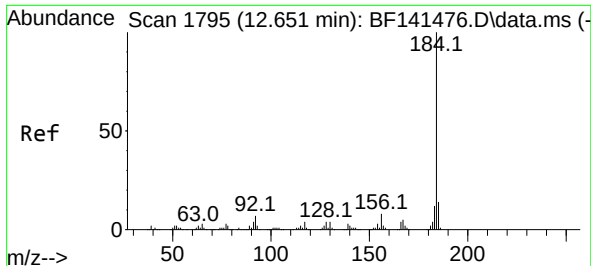
Tgt Ion:248 Resp: 9472
Ion Ratio Lower Upper
248 100
250 199.2 77.8 116.6#
141 508.4 60.6 90.8#



#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.933 min Scan# 2013
Delta R.T. -0.029 min
Lab File: BF141702.D
Acq: 20 Feb 2025 14:36

Tgt Ion:240 Resp: 190107
Ion Ratio Lower Upper
240 100
120 10.7 8.0 12.0
236 25.2 19.8 29.8

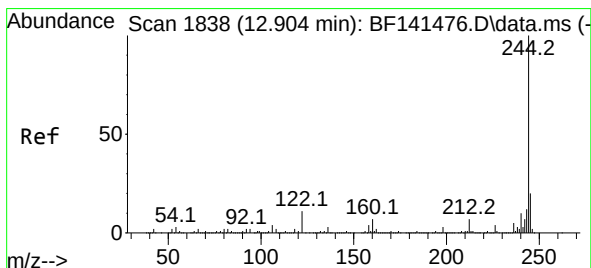
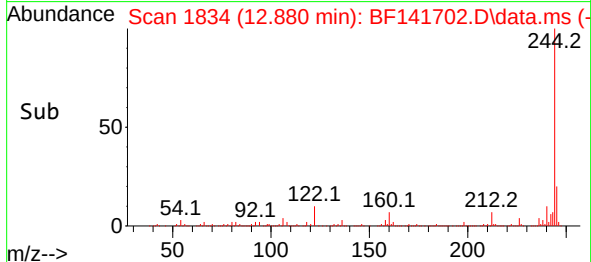
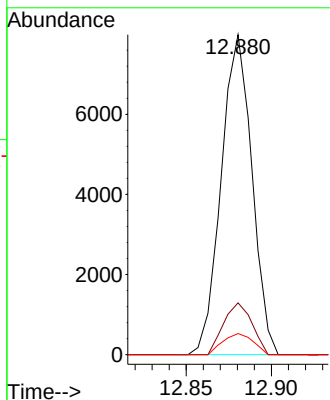
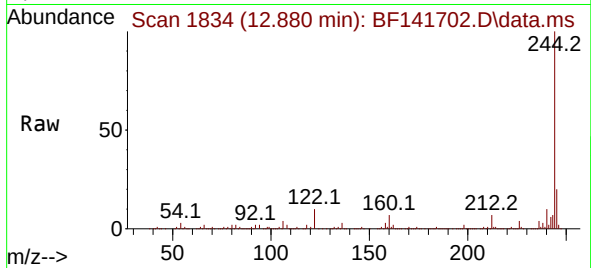




#77
Benzidine
Concen: 2.388 ng
RT: 12.880 min Scan# 1834
Delta R.T. 0.224 min
Lab File: BF141702.D
Acq: 20 Feb 2025 14:36

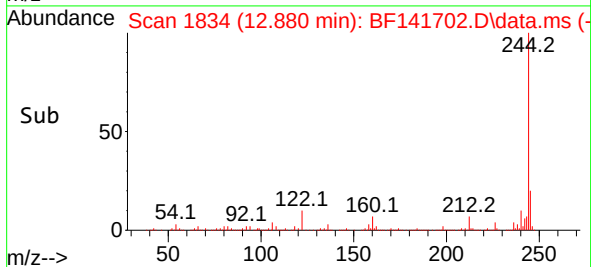
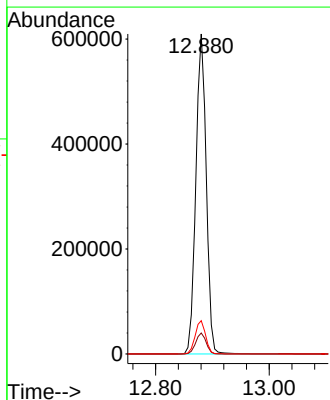
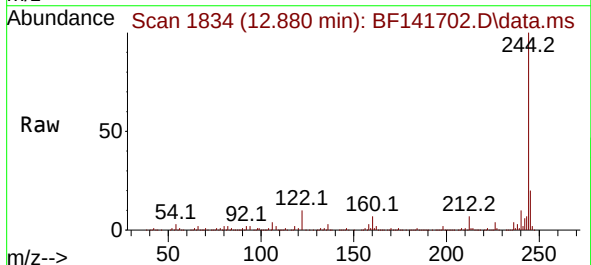
Instrument :
BNA_F
ClientSampleId :
OU4-PCS-TC-18-021725

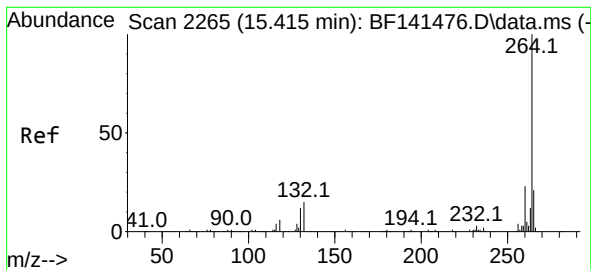
Tgt Ion:184 Resp: 10011
Ion Ratio Lower Upper
184 100
185 16.2 11.3 16.9
183 6.6 9.3 13.9#



#79
Terphenyl-d14
Concen: 69.132 ng
RT: 12.880 min Scan# 1834
Delta R.T. -0.023 min
Lab File: BF141702.D
Acq: 20 Feb 2025 14:36

Tgt Ion:244 Resp: 778501
Ion Ratio Lower Upper
244 100
212 6.6 5.6 8.4
122 10.4 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: BF141702.D

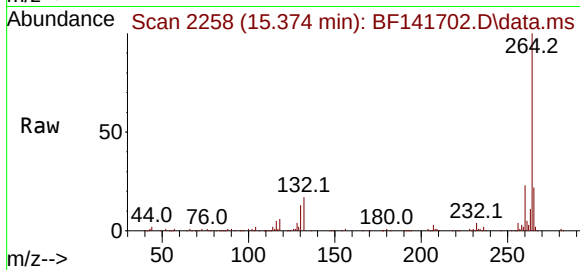
Acq: 20 Feb 2025 14:36

Instrument :

BNA_F

ClientSampleId :

OU4-PCS-TC-18-021725



Tgt Ion:264 Resp: 159816

Ion Ratio Lower Upper

264 100

260 22.9 18.6 28.0

265 21.9 17.0 25.4

