

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF022025\
 Data File : BF141701.D
 Acq On : 20 Feb 2025 14:06
 Operator : RC/JU
 Sample : Q1383-13
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 OU4-PCS-TC-17-021725

Quant Time: Feb 20 14:38:05 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)

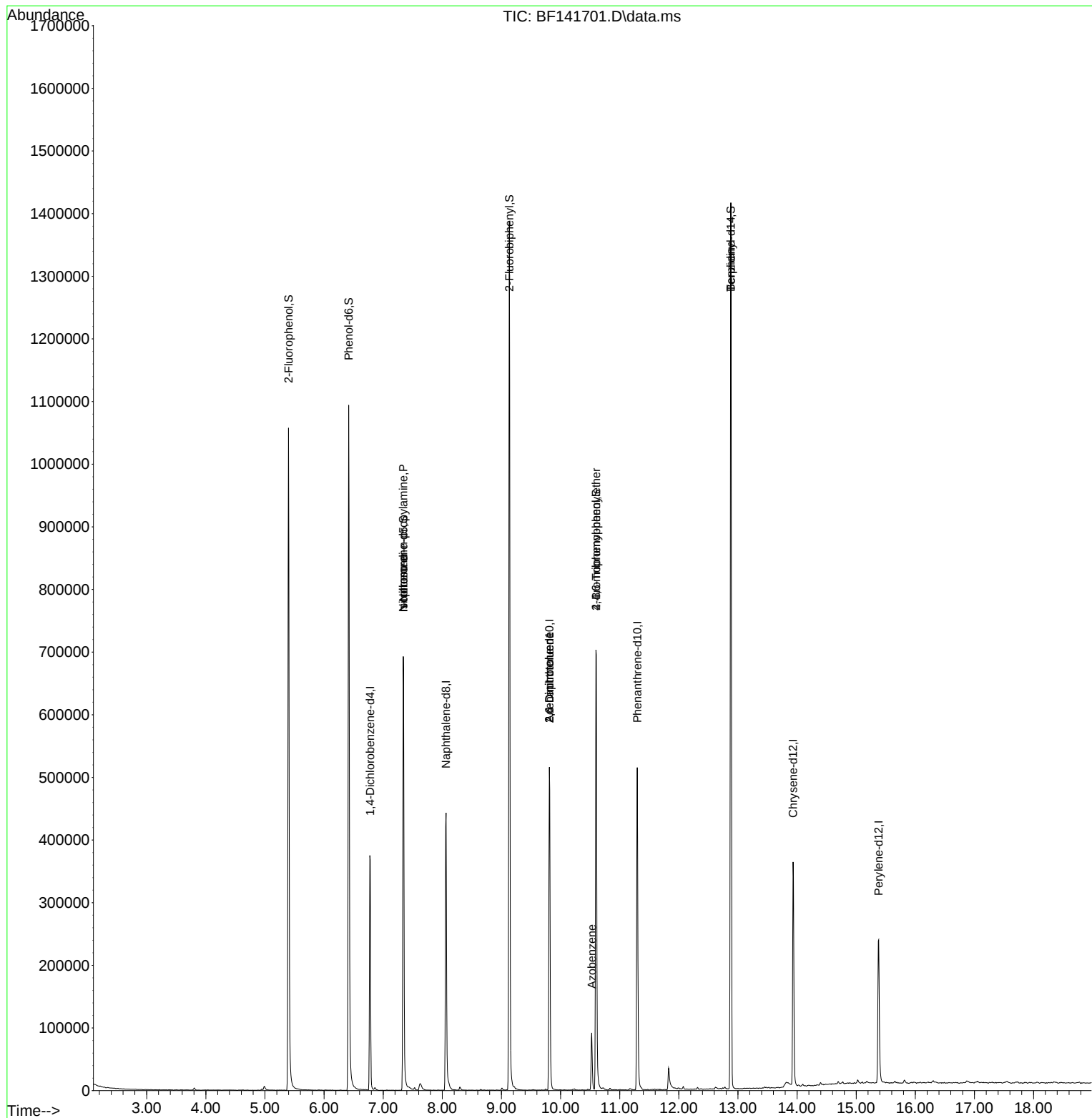
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.781	152	83503	20.000	ng	-0.01
21) Naphthalene-d8	8.063	136	327906	20.000	ng	-0.01
39) Acenaphthene-d10	9.810	164	173956	20.000	ng	-0.02
64) Phenanthrene-d10	11.298	188	294630	20.000	ng	-0.02
76) Chrysene-d12	13.933	240	196352	20.000	ng	-0.03
86) Perylene-d12	15.380	264	158833	20.000	ng	-0.04
System Monitoring Compounds						
5) 2-Fluorophenol	5.398	112	418797	78.628	ng	-0.01
7) Phenol-d6	6.416	99	517173	76.823	ng	-0.02
23) Nitrobenzene-d5	7.339	82	330676	52.599	ng	-0.02
42) 2,4,6-Tribromophenol	10.604	330	127702	73.078	ng	-0.02
45) 2-Fluorobiphenyl	9.133	172	632883	56.051	ng	-0.02
79) Terphenyl-d14	12.880	244	692499	59.539	ng	-0.02
Target Compounds						
						Qvalue
19) n-Nitroso-di-n-propyla...	7.339	70	42430	10.537	ng	# 75
25) Isophorone	7.339	82	322320	32.155	ng	# 66
51) 2,6-Dinitrotoluene	9.810	165	21850	8.464	ng	# 22
57) 2,4-Dinitrotoluene	9.810	165	21850	6.358	ng	# 19
63) Azobenzene	10.527	77	25116	2.174	ng	# 1
67) 4-Bromophenyl-phenylether	10.604	248	8637	2.623	ng	# 1
77) Benzidine	12.880	184	8712	2.012	ng	# 93

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

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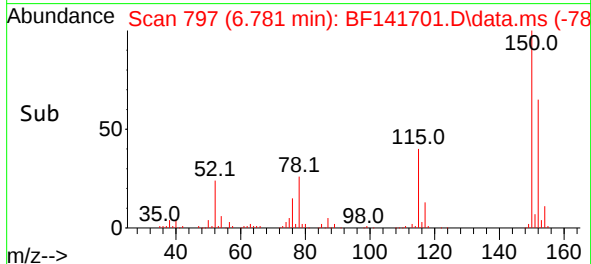
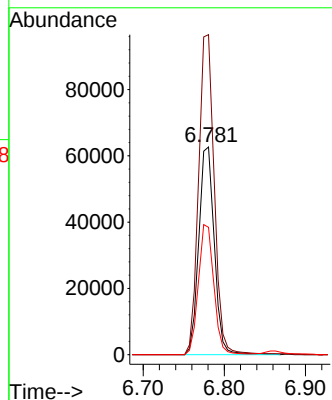
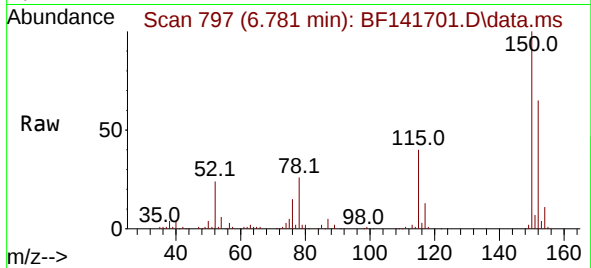




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.781 min Scan# 798
 Delta R.T. -0.011 min
 Lab File: BF141701.D
 Acq: 20 Feb 2025 14:06

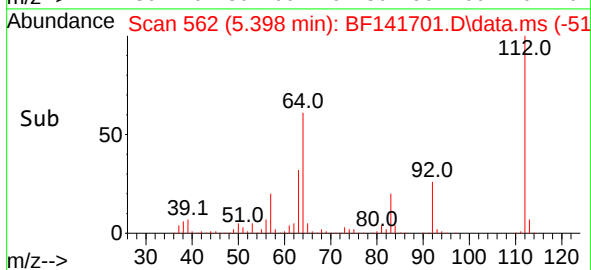
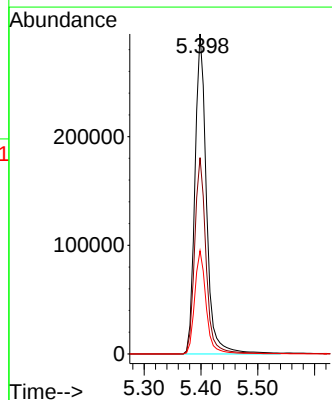
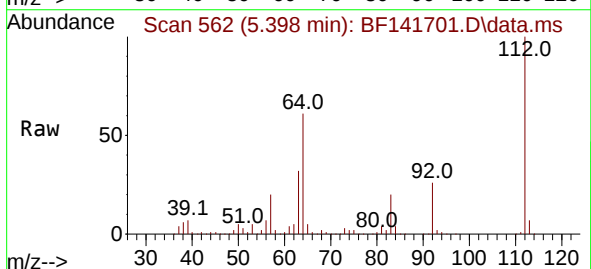
Instrument :
 BNA_F
 ClientSampleId :
 OU4-PCS-TC-17-021725

Tgt Ion:152 Resp: 83503
 Ion Ratio Lower Upper
 152 100
 150 154.1 125.0 187.4
 115 61.3 53.6 80.4



#5
 2-Fluorophenol
 Concen: 78.628 ng
 RT: 5.398 min Scan# 562
 Delta R.T. -0.012 min
 Lab File: BF141701.D
 Acq: 20 Feb 2025 14:06

Tgt Ion:112 Resp: 418797
 Ion Ratio Lower Upper
 112 100
 64 61.4 51.1 76.7
 63 32.2 28.4 42.6

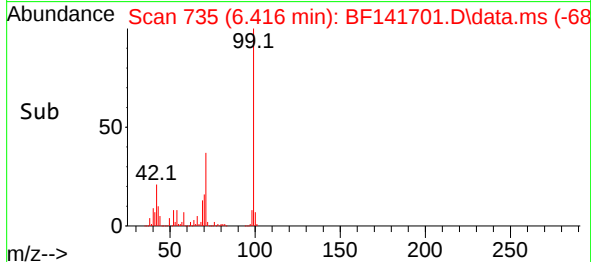
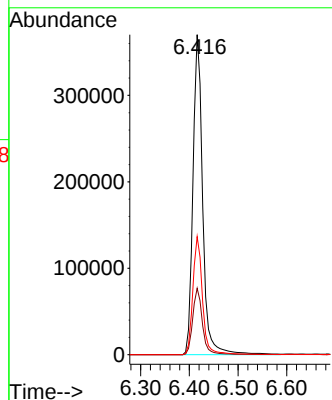
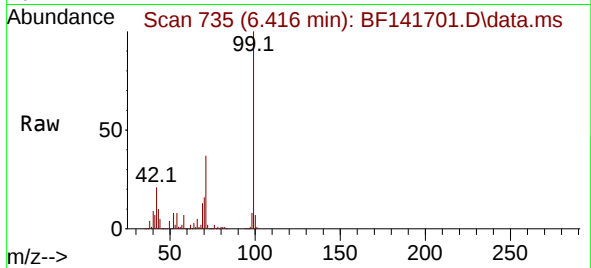




#7
Phenol-d6
Concen: 76.823 ng
RT: 6.416 min Scan# 71
Delta R.T. -0.024 min
Lab File: BF141701.D
Acq: 20 Feb 2025 14:06

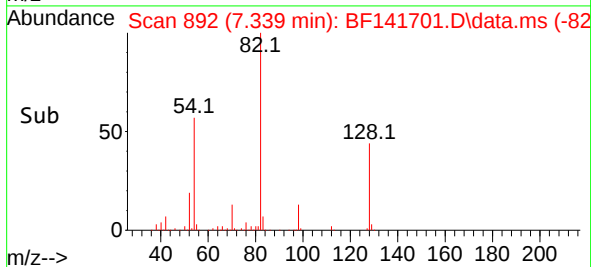
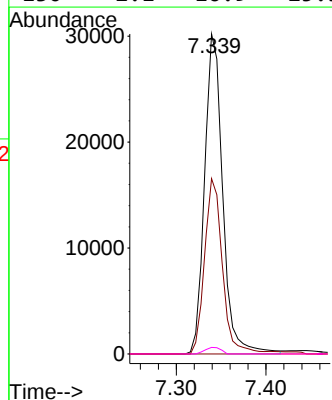
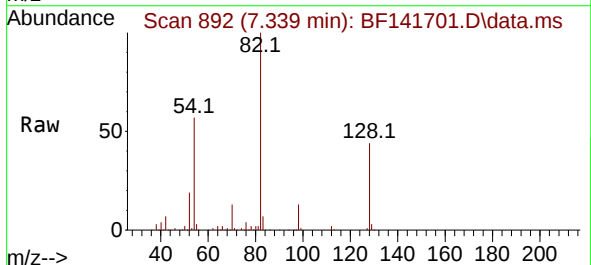
Instrument :
BNA_F
ClientSampleId :
OU4-PCS-TC-17-021725

Tgt Ion: 99 Resp: 517173
Ion Ratio Lower Upper
99 100
42 20.8 19.1 28.7
71 36.9 31.1 46.7



#19
n-Nitroso-di-n-propylamine
Concen: 10.537 ng
RT: 7.339 min Scan# 892
Delta R.T. 0.123 min
Lab File: BF141701.D
Acq: 20 Feb 2025 14:06

Tgt Ion: 70 Resp: 42430
Ion Ratio Lower Upper
70 100
42 54.8 57.4 86.2#
101 0.0 8.0 12.0#
130 2.1 16.9 25.3#

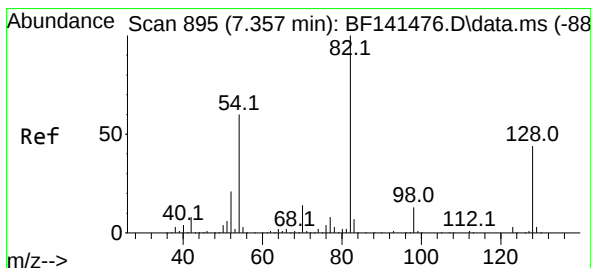
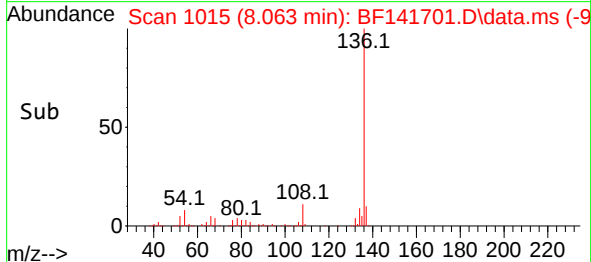
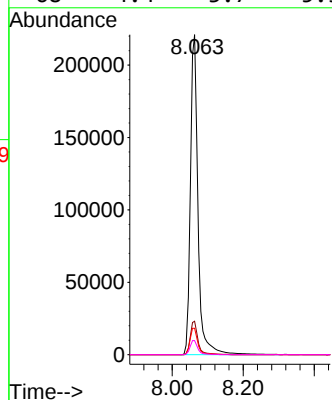
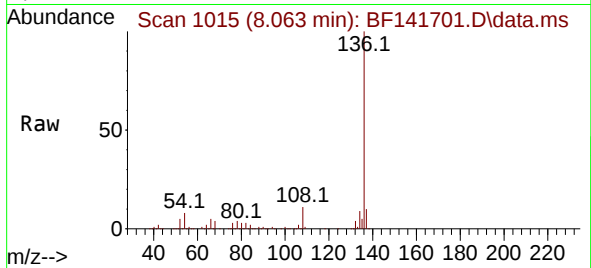




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.063 min Scan# 1015
Delta R.T. -0.012 min
Lab File: BF141701.D
Acq: 20 Feb 2025 14:06

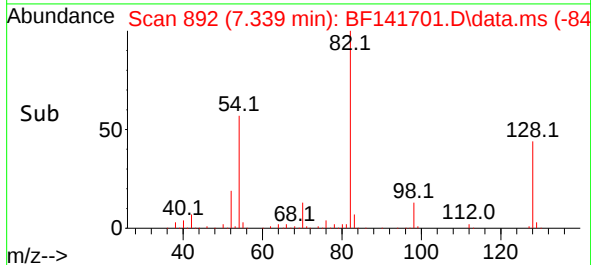
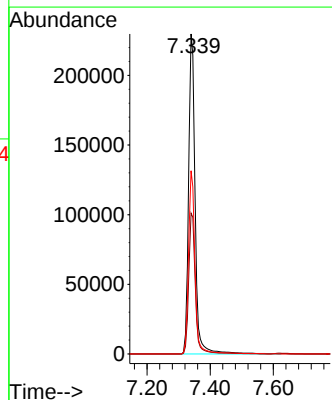
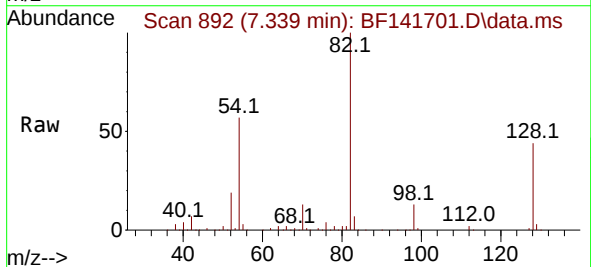
Instrument :
BNA_F
ClientSampleId :
OU4-PCS-TC-17-021725

Tgt	Ion:136	Resp:	327906
Ion	Ratio	Lower	Upper
136	100		
137	10.4	8.6	13.0
54	8.2	7.2	10.8
68	4.4	3.7	5.5



#23
Nitrobenzene-d5
Concen: 52.599 ng
RT: 7.339 min Scan# 892
Delta R.T. -0.024 min
Lab File: BF141701.D
Acq: 20 Feb 2025 14:06

Tgt Ion: 82	Resp: 330676
Ion Ratio	Lower Upper
82 100	
128 44.0	34.8 52.2
54 57.2	48.2 72.4

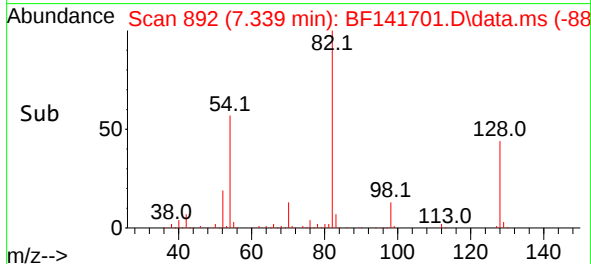
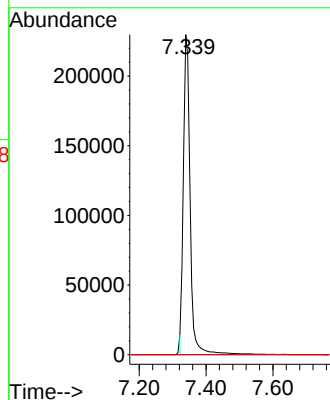
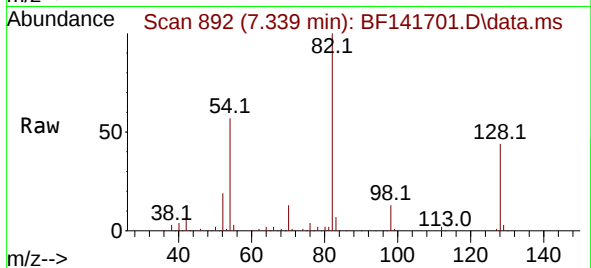




#25
Isophorone
Concen: 32.155 ng
RT: 7.339 min Scan# 89
Delta R.T. -0.282 min
Lab File: BF141701.D
Acq: 20 Feb 2025 14:06

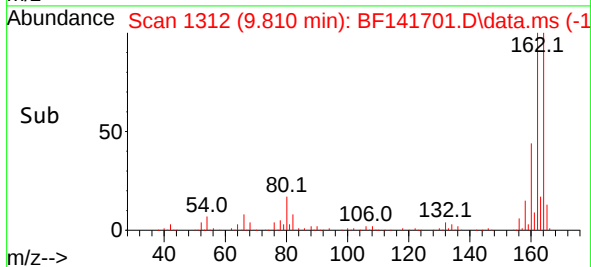
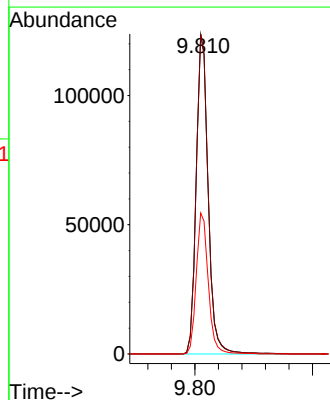
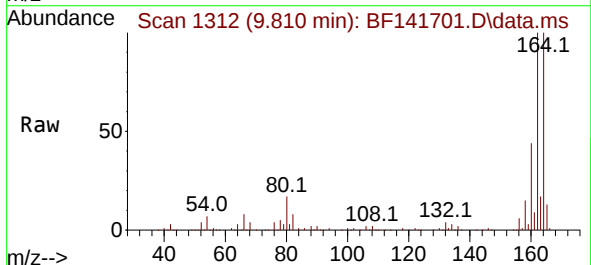
Instrument :
BNA_F
ClientSampleId :
OU4-PCS-TC-17-021725

Tgt Ion: 82 Resp: 322320
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. -0.024 min
Lab File: BF141701.D
Acq: 20 Feb 2025 14:06

Tgt Ion:164 Resp: 173956
Ion Ratio Lower Upper
164 100
162 100.2 81.3 121.9
160 44.2 35.9 53.9





#42

2,4,6-Tribromophenol

Concen: 73.078 ng

RT: 10.604 min Scan# 1447

Delta R.T. -0.024 min

Lab File: BF141701.D

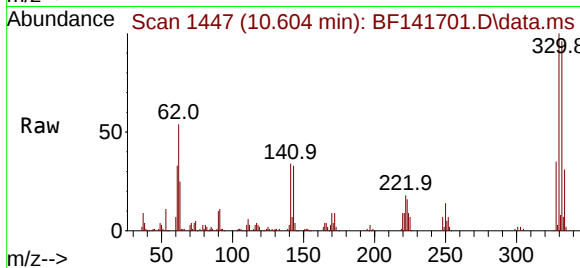
Acq: 20 Feb 2025 14:06

Instrument :

BNA_F

ClientSampleId :

OU4-PCS-TC-17-021725



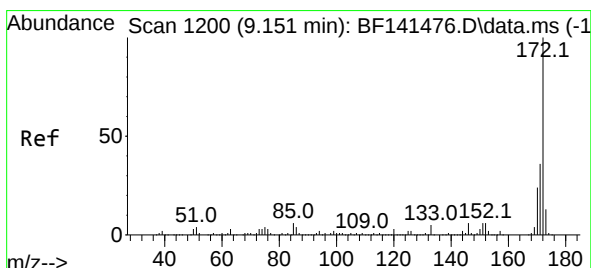
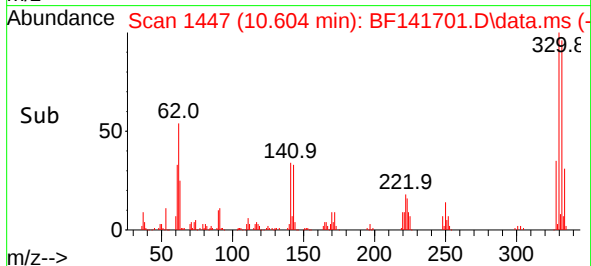
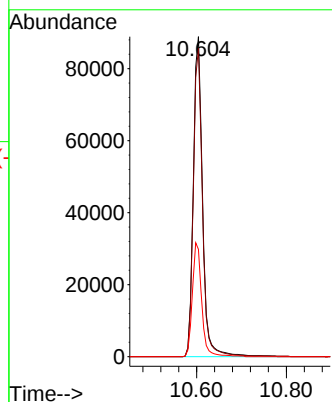
Tgt Ion:330 Resp: 127702

Ion Ratio Lower Upper

330 100

332 95.1 78.5 117.7

141 35.8 31.0 46.4



#45

2-Fluorobiphenyl

Concen: 56.051 ng

RT: 9.133 min Scan# 1197

Delta R.T. -0.018 min

Lab File: BF141701.D

Acq: 20 Feb 2025 14:06

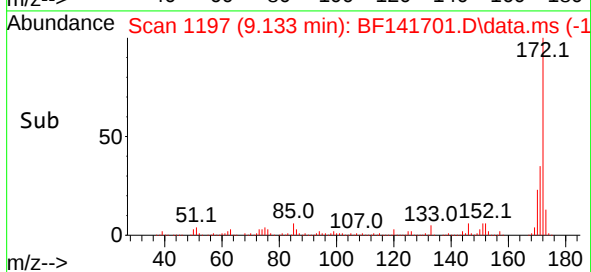
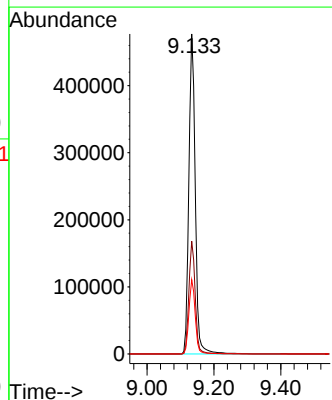
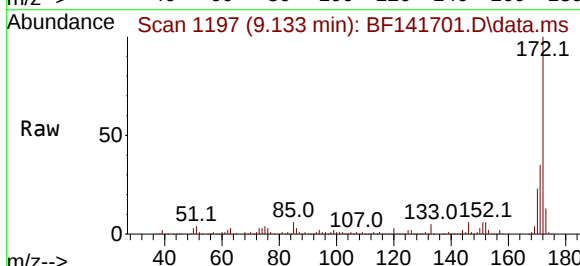
Tgt Ion:172 Resp: 632883

Ion Ratio Lower Upper

172 100

171 35.3 28.7 43.1

170 23.2 18.9 28.3

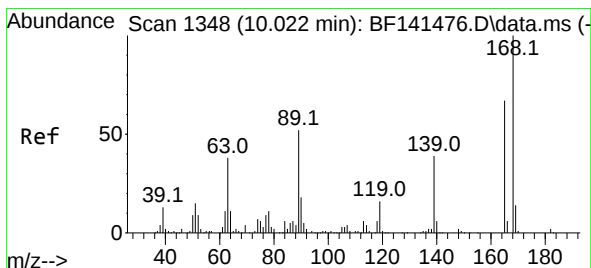
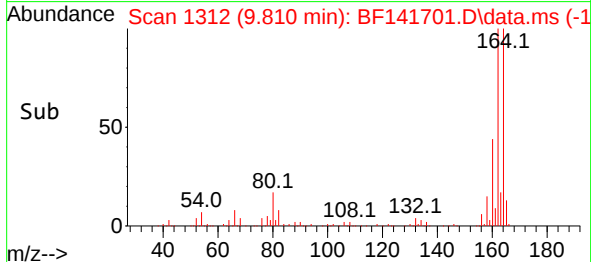
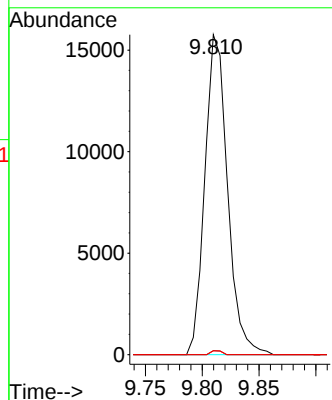
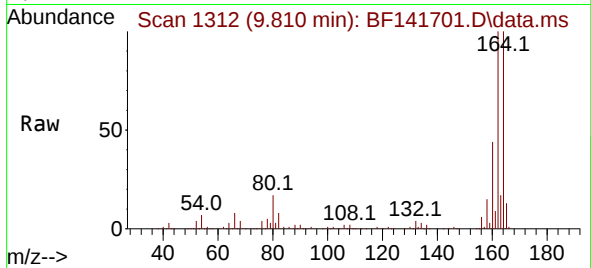




#51
2,6-Dinitrotoluene
Concen: 8.464 ng
RT: 9.810 min Scan# 11
Delta R.T. 0.188 min
Lab File: BF141701.D
Acq: 20 Feb 2025 14:06

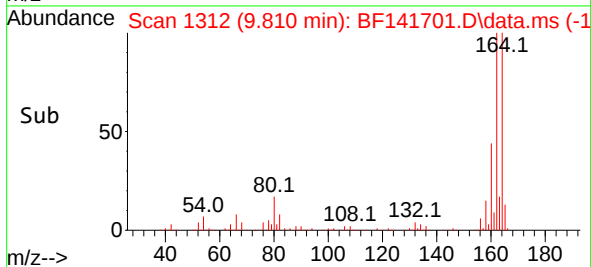
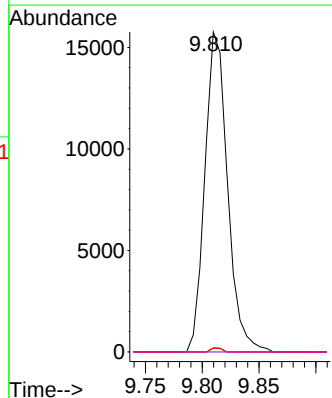
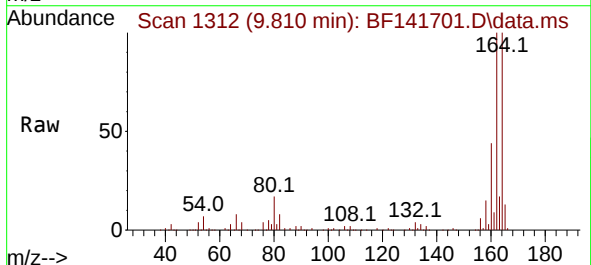
Instrument :
BNA_F
ClientSampleId :
OU4-PCS-TC-17-021725

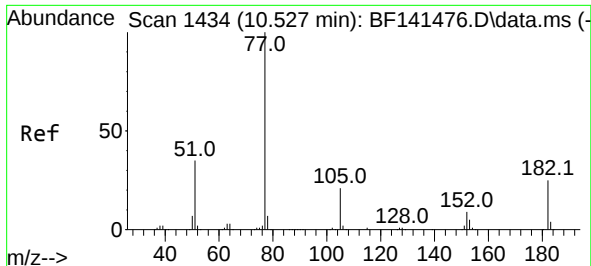
Tgt Ion:165 Resp: 21850
Ion Ratio Lower Upper
165 100
63 1.3 49.4 74.0#
89 1.2 46.5 69.7#



#57
2,4-Dinitrotoluene
Concen: 6.358 ng
RT: 9.810 min Scan# 1312
Delta R.T. -0.218 min
Lab File: BF141701.D
Acq: 20 Feb 2025 14:06

Tgt Ion:165 Resp: 21850
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#

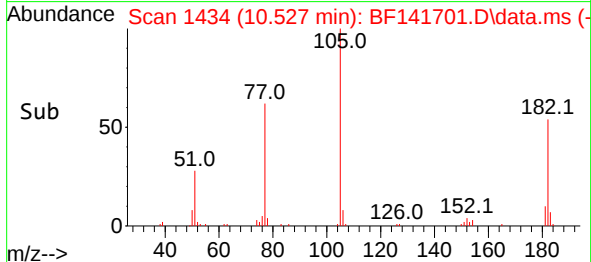
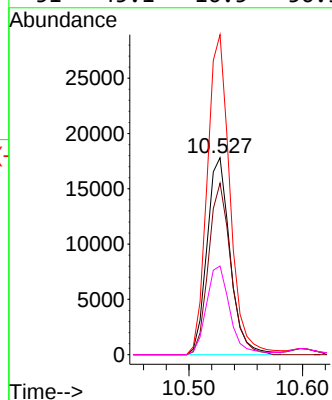
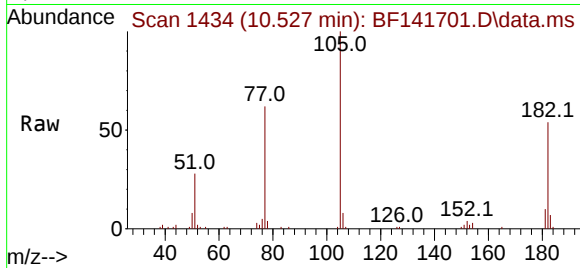




#63
 Azobenzene
 Concen: 2.174 ng
 RT: 10.527 min Scan# 1434
 Delta R.T. -0.006 min
 Lab File: BF141701.D
 Acq: 20 Feb 2025 14:06

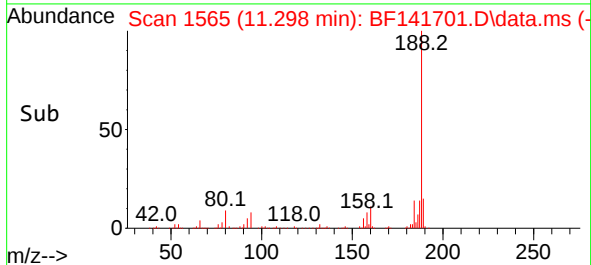
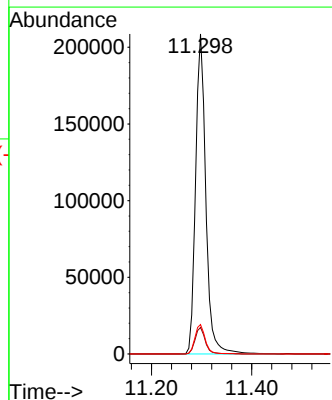
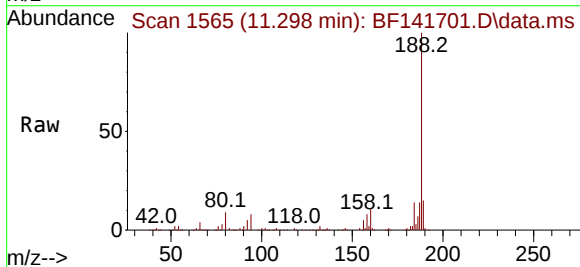
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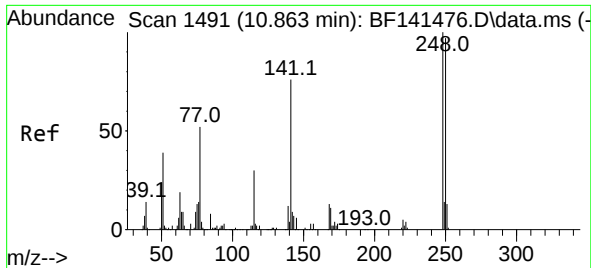
Tgt Ion: 77	Resp: 25116
Ion Ratio	Lower Upper
77 100	
182 87.1	4.7 44.7#
105 162.5	0.4 40.4#
51 45.1	16.5 56.5



#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.298 min Scan# 1565
 Delta R.T. -0.018 min
 Lab File: BF141701.D
 Acq: 20 Feb 2025 14:06

Tgt Ion: 188	Resp: 294630
Ion Ratio	Lower Upper
188 100	
94 8.3	6.6 10.0
80 9.2	7.3 10.9

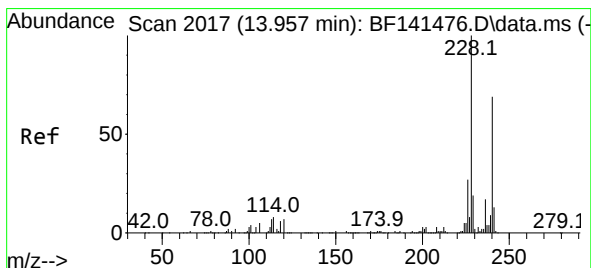
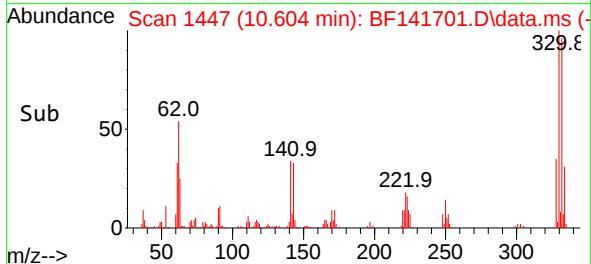
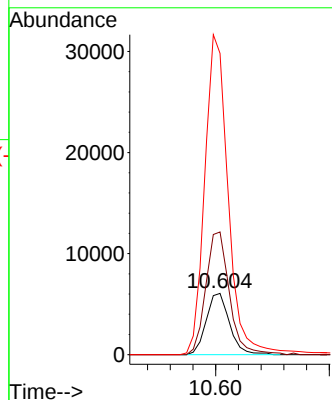
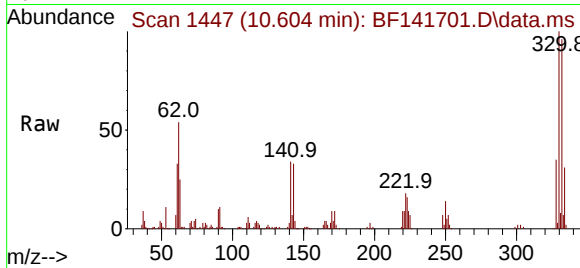




#67
4-Bromophenyl-phenylether
Concen: 2.623 ng
RT: 10.604 min Scan# 1491
Delta R.T. -0.259 min
Lab File: BF141701.D
Acq: 20 Feb 2025 14:06

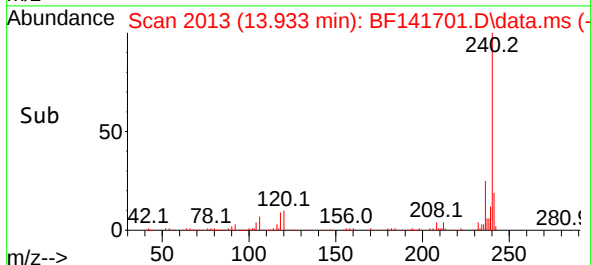
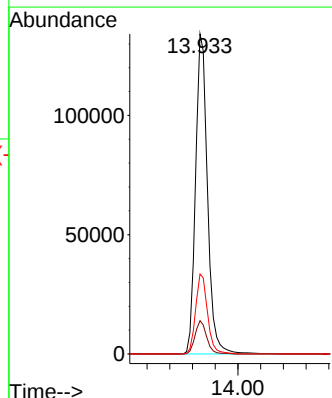
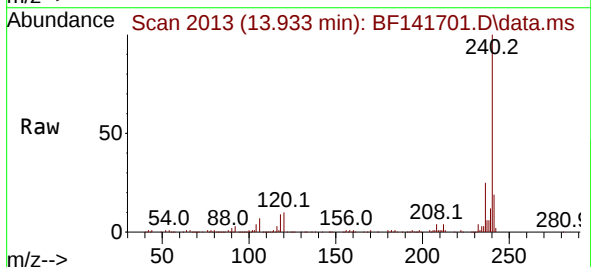
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OU4-PCS-TC-17-021725

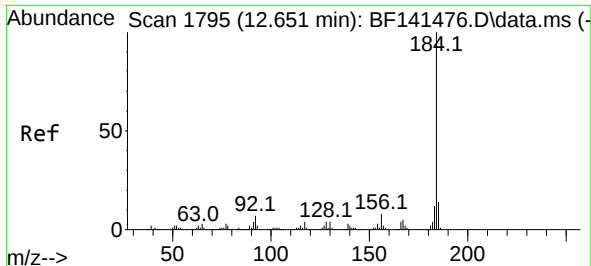
Tgt Ion:248 Resp: 8637
Ion Ratio Lower Upper
248 100
250 200.1 77.8 116.6#
141 491.2 60.6 90.8#



#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.933 min Scan# 2013
Delta R.T. -0.029 min
Lab File: BF141701.D
Acq: 20 Feb 2025 14:06

Tgt Ion:240 Resp: 196352
Ion Ratio Lower Upper
240 100
120 10.4 8.0 12.0
236 25.0 19.8 29.8

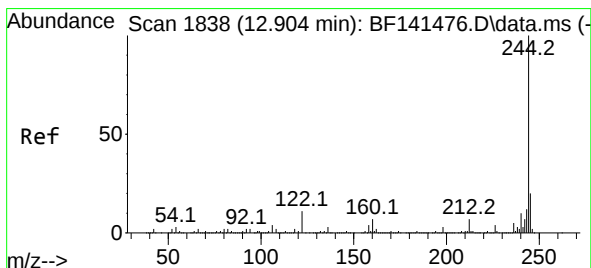
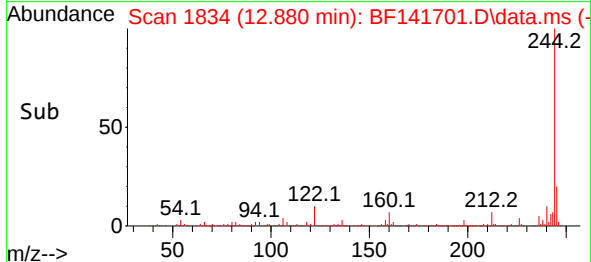
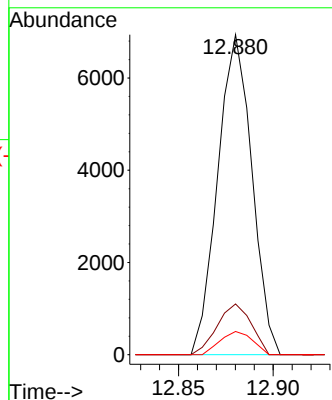
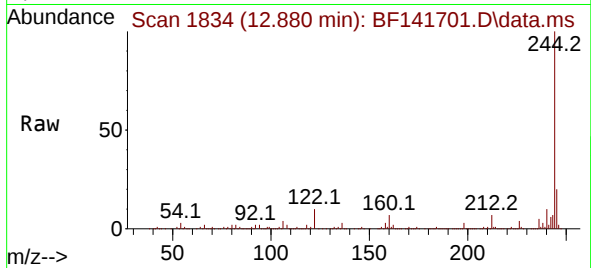




#77
Benzidine
Concen: 2.012 ng
RT: 12.880 min Scan# 1834
Delta R.T. 0.223 min
Lab File: BF141701.D
Acq: 20 Feb 2025 14:06

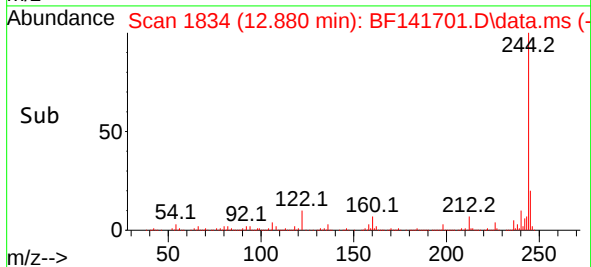
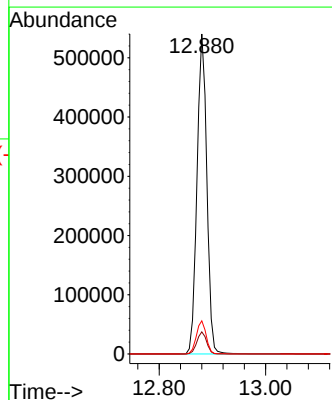
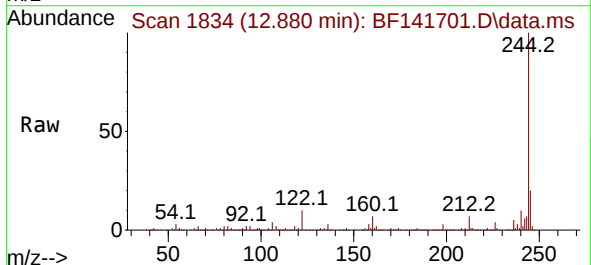
Instrument :
BNA_F
ClientSampleId :
OU4-PCS-TC-17-021725

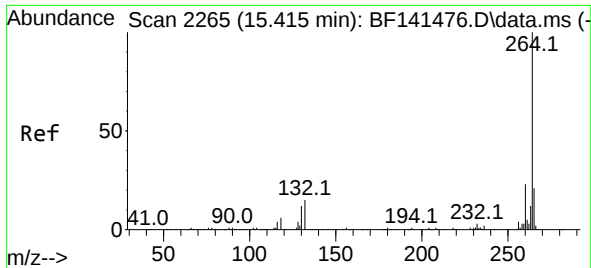
Tgt Ion:184 Resp: 8712
Ion Ratio Lower Upper
184 100
185 15.9 11.3 16.9
183 7.3 9.3 13.9#



#79
Terphenyl-d14
Concen: 59.539 ng
RT: 12.880 min Scan# 1834
Delta R.T. -0.024 min
Lab File: BF141701.D
Acq: 20 Feb 2025 14:06

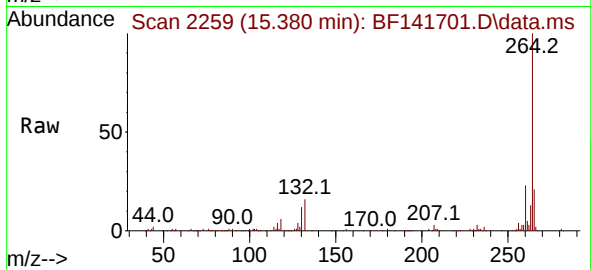
Tgt Ion:244 Resp: 692499
Ion Ratio Lower Upper
244 100
212 6.9 5.6 8.4
122 10.3 8.4 12.6





#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.380 min Scan# 21
 Delta R.T. -0.035 min
 Lab File: BF141701.D
 Acq: 20 Feb 2025 14:06

Instrument :
 BNA_F
 ClientSampleId :
 OU4-PCS-TC-17-021725



Tgt Ion:264 Resp: 158833
 Ion Ratio Lower Upper
 264 100
 260 23.2 18.6 28.0
 265 21.3 17.0 25.4

