

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF021925\
 Data File : BF141674.D
 Acq On : 19 Feb 2025 14:46
 Operator : RC/JU
 Sample : Q1382-01
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 OU4-PCS-TC-01-021725

Quant Time: Feb 19 15:19:02 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)

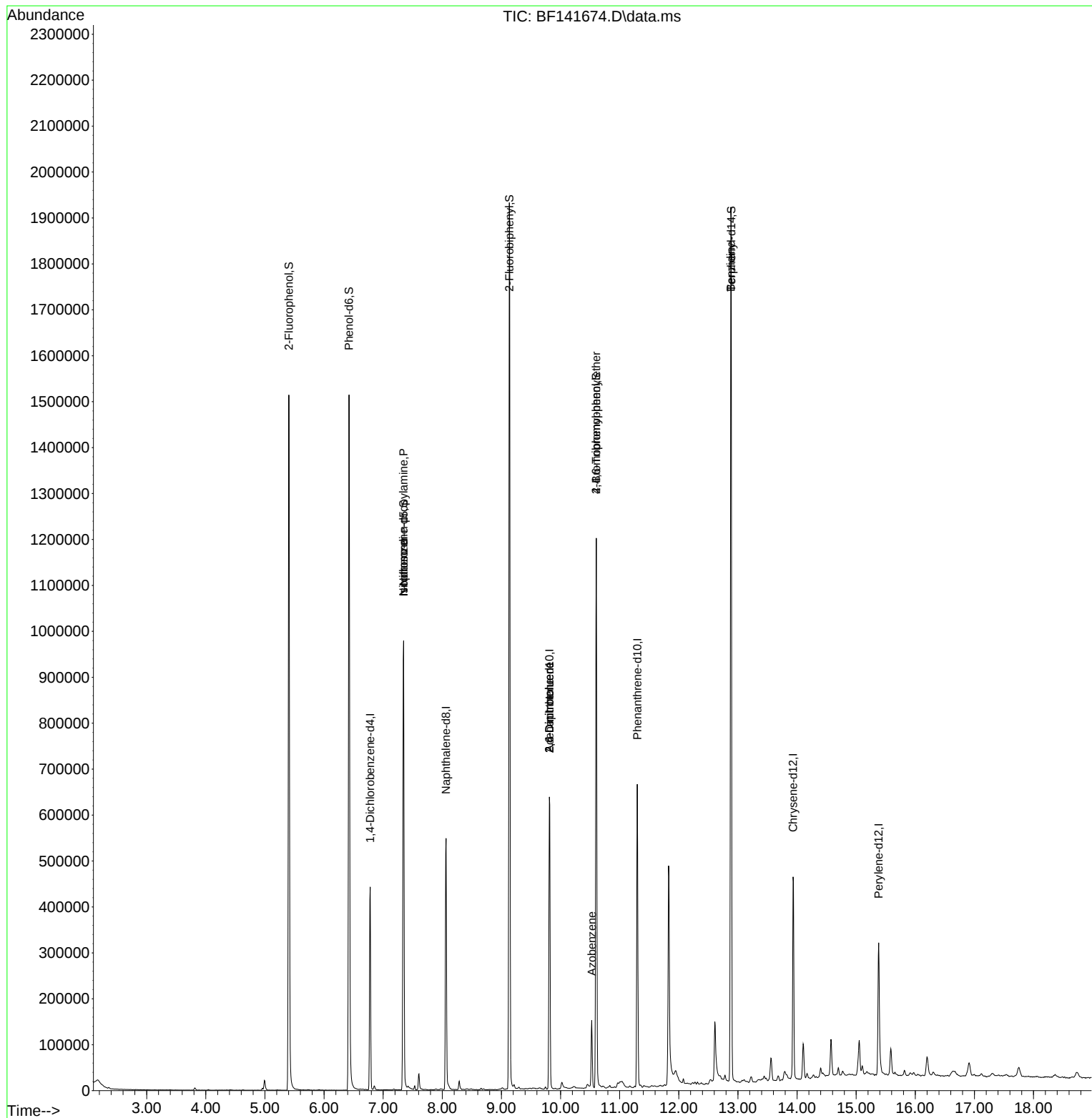
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.781	152	93381	20.000	ng	-0.01
21) Naphthalene-d8	8.063	136	372267	20.000	ng	-0.01
39) Acenaphthene-d10	9.810	164	198315	20.000	ng	-0.02
64) Phenanthrene-d10	11.298	188	342347	20.000	ng	-0.02
76) Chrysene-d12	13.933	240	227952	20.000	ng	-0.03
86) Perylene-d12	15.380	264	168628	20.000	ng	-0.04
System Monitoring Compounds						
5) 2-Fluorophenol	5.404	112	575374	96.598	ng	0.00
7) Phenol-d6	6.422	99	713326	94.751	ng	-0.02
23) Nitrobenzene-d5	7.345	82	461464	64.656	ng	-0.02
42) 2,4,6-Tribromophenol	10.604	330	194401	97.583	ng	-0.02
45) 2-Fluorobiphenyl	9.134	172	879568	68.331	ng	-0.02
79) Terphenyl-d14	12.886	244	950258	70.374	ng	-0.02
Target Compounds						
						Qvalue
19) n-Nitroso-di-n-propyla...	7.345	70	61180	13.586	ng	# 72
25) Isophorone	7.345	82	448631	39.422	ng	# 66
51) 2,6-Dinitrotoluene	9.810	165	26093	8.866	ng	# 22
57) 2,4-Dinitrotoluene	9.810	165	26093	6.660	ng	# 18
63) Azobenzene	10.528	77	36038	2.737	ng	# 1
67) 4-Bromophenyl-phenylether	10.604	248	13380	3.497	ng	# 1
77) Benzidine	12.880	184	12659	2.518	ng	# 94

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

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Quant Time: Feb 19 15:19:02 2025
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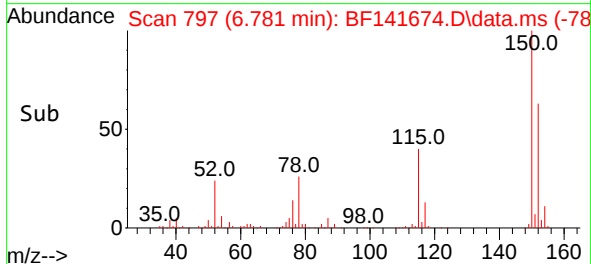
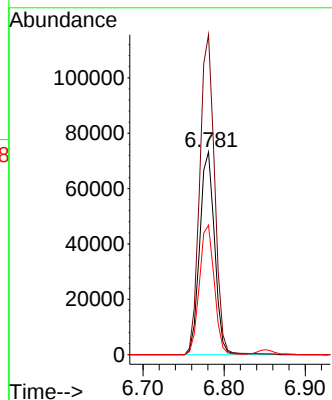
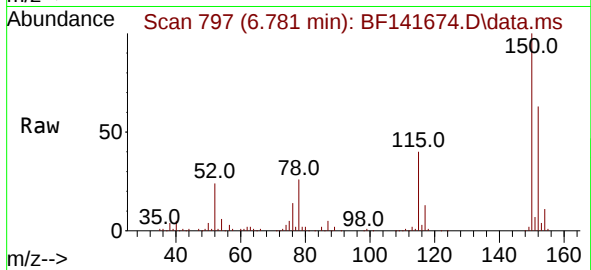




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.781 min Scan# 798
Delta R.T. -0.011 min
Lab File: BF141674.D
Acq: 19 Feb 2025 14:46

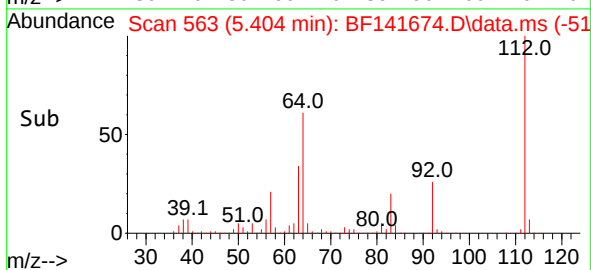
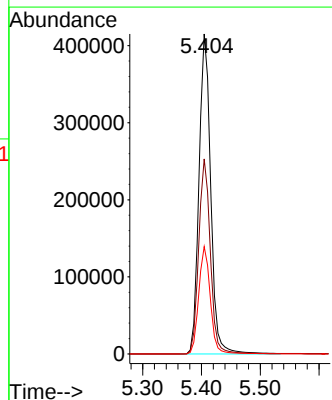
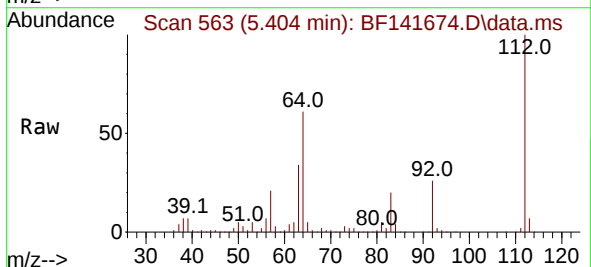
Instrument :
BNA_F
ClientSampleId :
OU4-PCS-TC-01-021725

Tgt Ion:152 Resp: 93381
Ion Ratio Lower Upper
152 100
150 157.9 125.0 187.4
115 63.9 53.6 80.4



#5
2-Fluorophenol
Concen: 96.598 ng
RT: 5.404 min Scan# 563
Delta R.T. -0.006 min
Lab File: BF141674.D
Acq: 19 Feb 2025 14:46

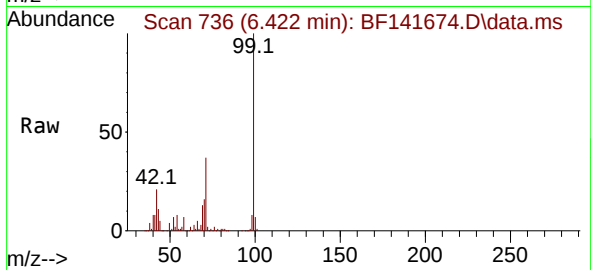
Tgt Ion:112 Resp: 575374
Ion Ratio Lower Upper
112 100
64 61.0 51.1 76.7
63 33.5 28.4 42.6



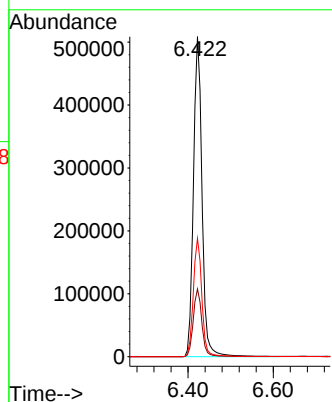
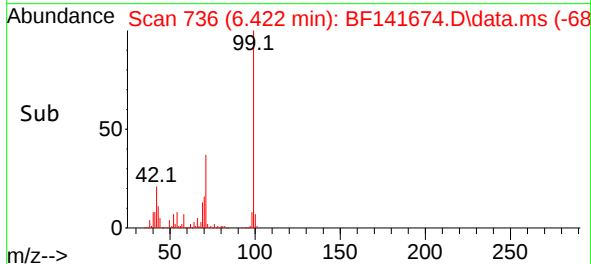


#7
Phenol-d6
Concen: 94.751 ng
RT: 6.422 min Scan# 71
Delta R.T. -0.017 min
Lab File: BF141674.D
Acq: 19 Feb 2025 14:46

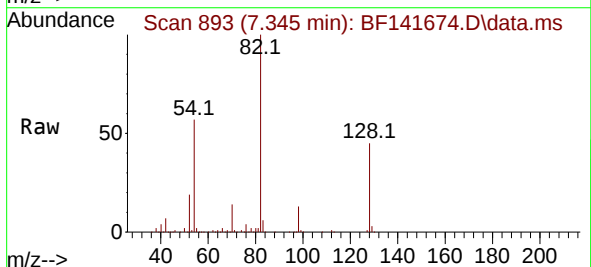
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BNA_F
ClientSampleId :
OU4-PCS-TC-01-021725



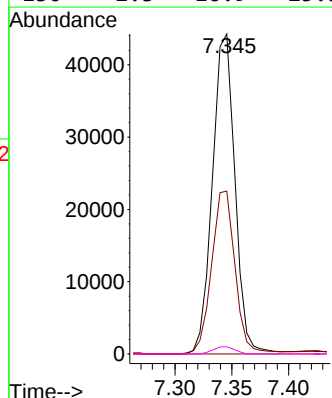
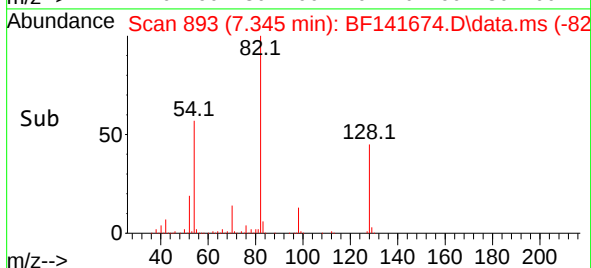
Tgt Ion: 99 Resp: 713326
Ion Ratio Lower Upper
99 100
42 21.1 19.1 28.7
71 36.9 31.1 46.7

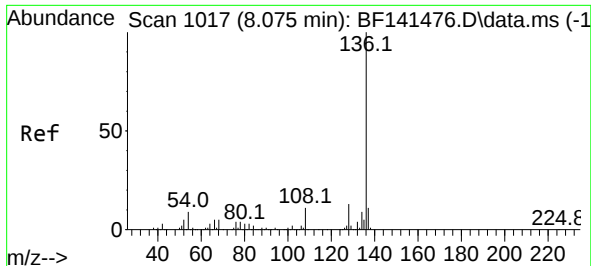


#19
n-Nitroso-di-n-propylamine
Concen: 13.586 ng
RT: 7.345 min Scan# 893
Delta R.T. 0.130 min
Lab File: BF141674.D
Acq: 19 Feb 2025 14:46



Tgt Ion: 70 Resp: 61180
Ion Ratio Lower Upper
70 100
42 50.9 57.4 86.2#
101 0.0 8.0 12.0#
130 2.3 16.9 25.3#

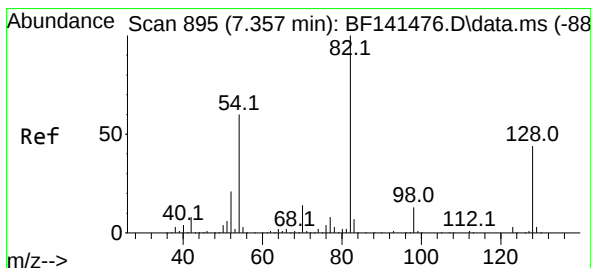
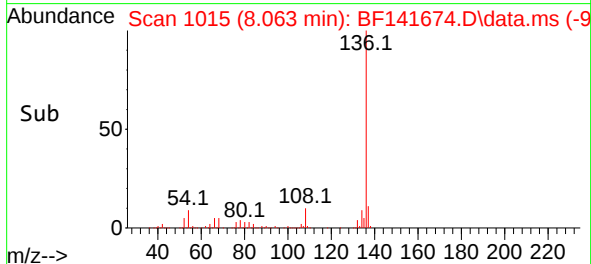
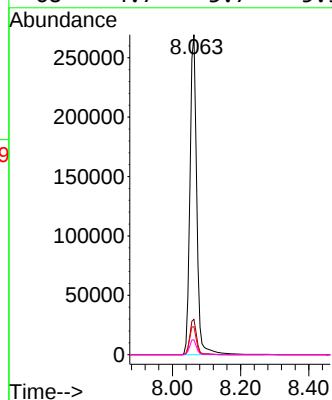
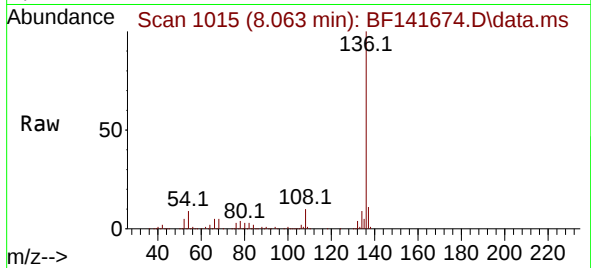




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.063 min Scan# 1015
Delta R.T. -0.012 min
Lab File: BF141674.D
Acq: 19 Feb 2025 14:46

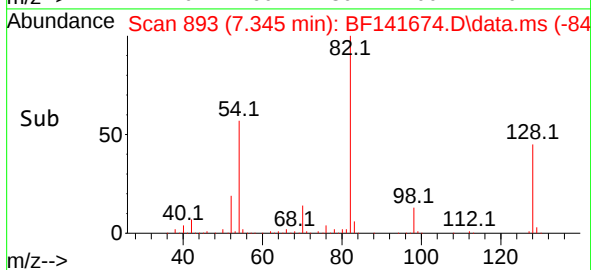
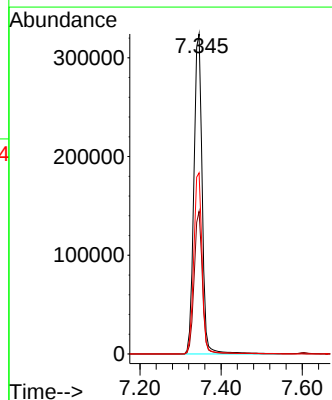
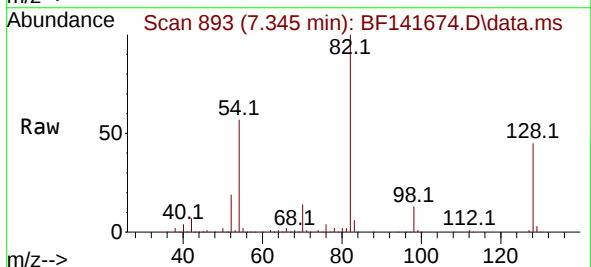
Instrument :
BNA_F
ClientSampleId :
OU4-PCS-TC-01-021725

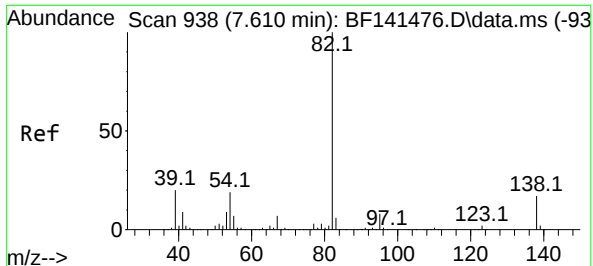
Tgt Ion:136 Resp: 372267
Ion Ratio Lower Upper
136 100
137 11.1 8.6 13.0
54 8.7 7.2 10.8
68 4.7 3.7 5.5



#23
Nitrobenzene-d5
Concen: 64.656 ng
RT: 7.345 min Scan# 893
Delta R.T. -0.017 min
Lab File: BF141674.D
Acq: 19 Feb 2025 14:46

Tgt Ion: 82 Resp: 461464
Ion Ratio Lower Upper
82 100
128 44.5 34.8 52.2
54 56.6 48.2 72.4

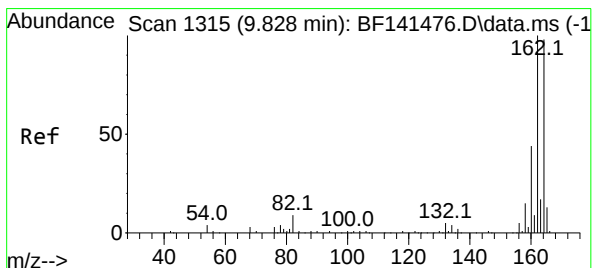
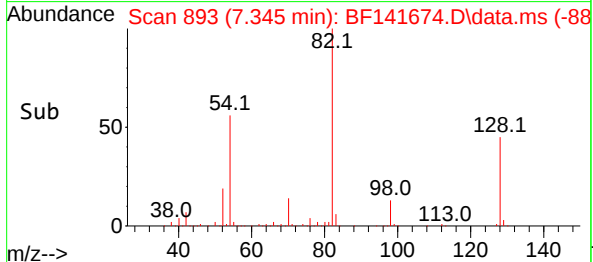
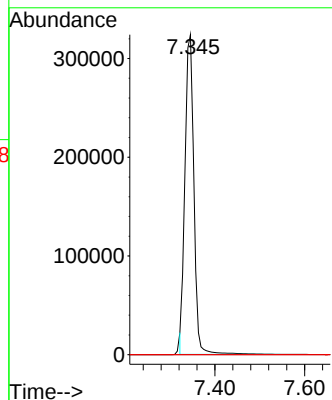
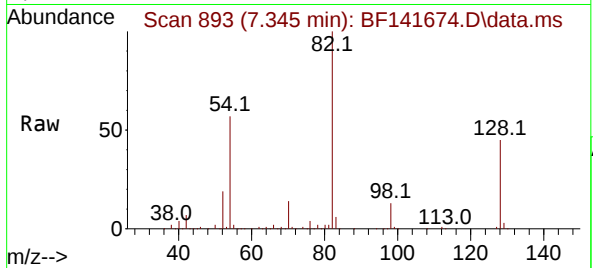




#25
Isophorone
Concen: 39.422 ng
RT: 7.345 min Scan# 89
Delta R.T. -0.276 min
Lab File: BF141674.D
Acq: 19 Feb 2025 14:46

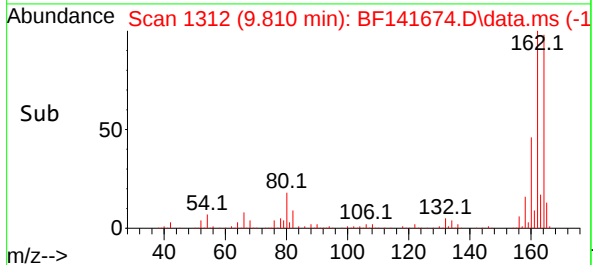
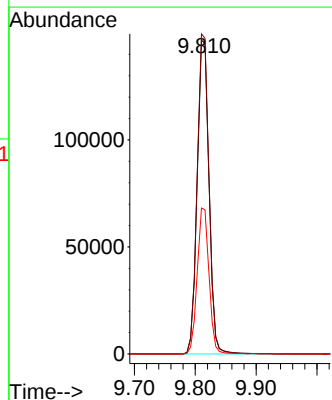
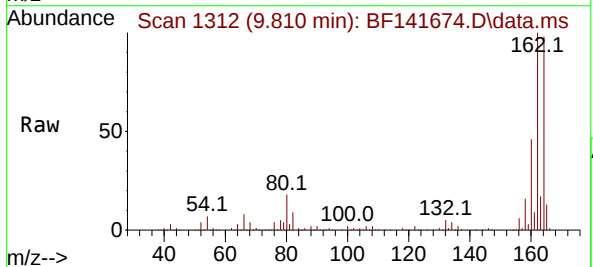
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BNA_F
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OU4-PCS-TC-01-021725

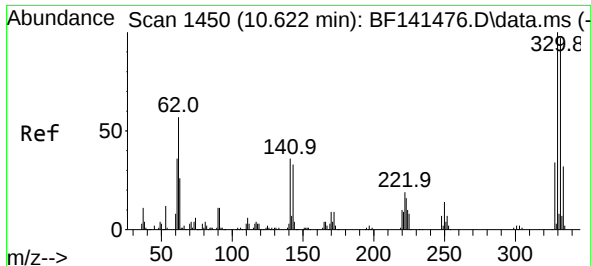
Tgt Ion: 82 Resp: 448631
Ion Ratio Lower Upper
82 100
95 0.0 6.4 9.6#
138 0.0 13.9 20.9#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.810 min Scan# 1312
Delta R.T. -0.023 min
Lab File: BF141674.D
Acq: 19 Feb 2025 14:46

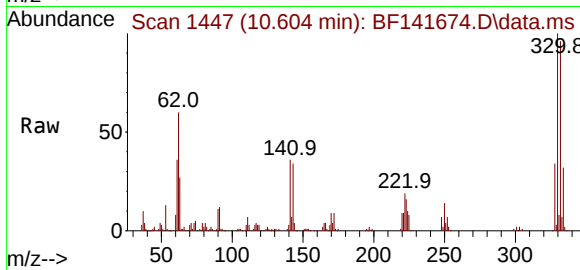
Tgt Ion:164 Resp: 198315
Ion Ratio Lower Upper
164 100
162 102.0 81.3 121.9
160 46.5 35.9 53.9



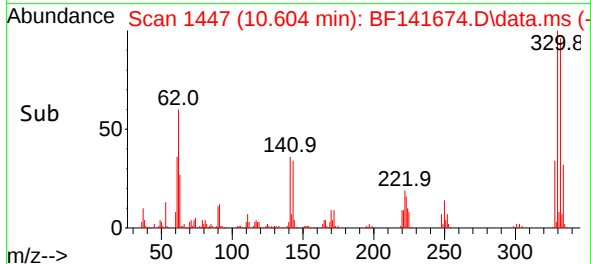
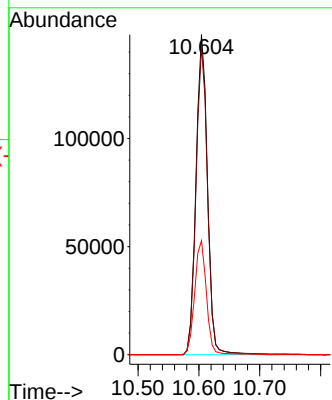


#42
2,4,6-Tribromophenol
Concen: 97.583 ng
RT: 10.604 min Scan# 1447
Delta R.T. -0.023 min
Lab File: BF141674.D
Acq: 19 Feb 2025 14:46

Instrument :
BNA_F
ClientSampleId :
OU4-PCS-TC-01-021725

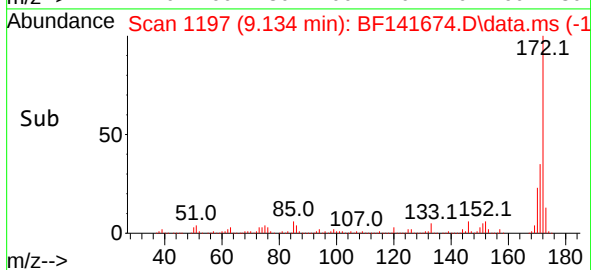
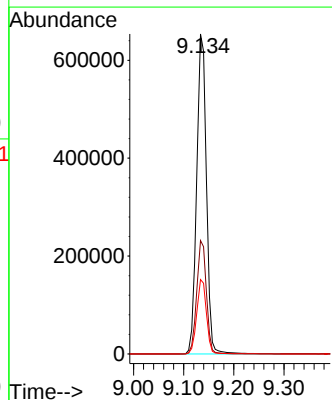
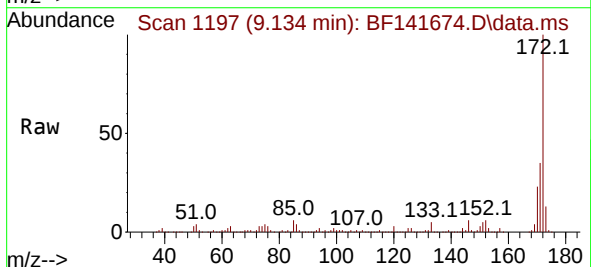


Tgt Ion: 330 Resp: 194401
Ion Ratio Lower Upper
330 100
332 96.4 78.5 117.7
141 36.4 31.0 46.4



#45
2-Fluorobiphenyl
Concen: 68.331 ng
RT: 9.134 min Scan# 1197
Delta R.T. -0.017 min
Lab File: BF141674.D
Acq: 19 Feb 2025 14:46

Tgt Ion: 172 Resp: 879568
Ion Ratio Lower Upper
172 100
171 35.5 28.7 43.1
170 23.2 18.9 28.3

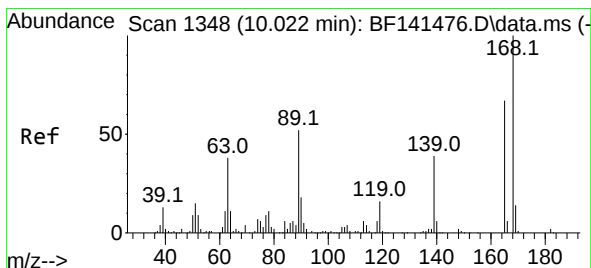
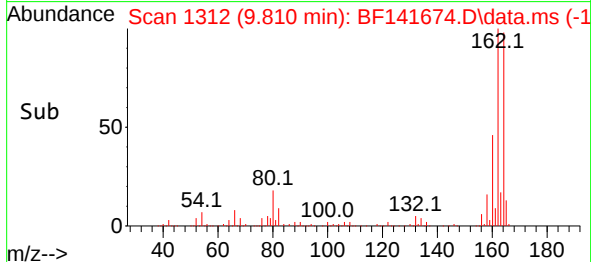
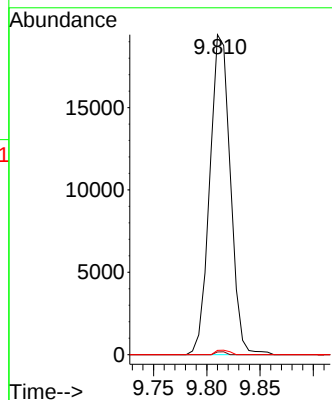
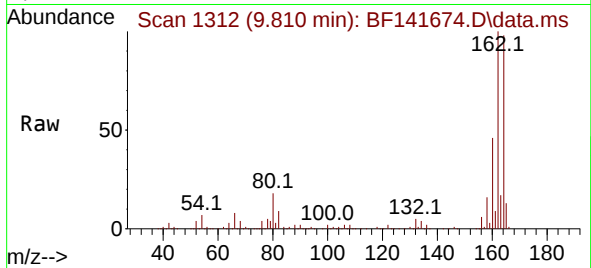




#51
2,6-Dinitrotoluene
Concen: 8.866 ng
RT: 9.810 min Scan# 11
Delta R.T. 0.188 min
Lab File: BF141674.D
Acq: 19 Feb 2025 14:46

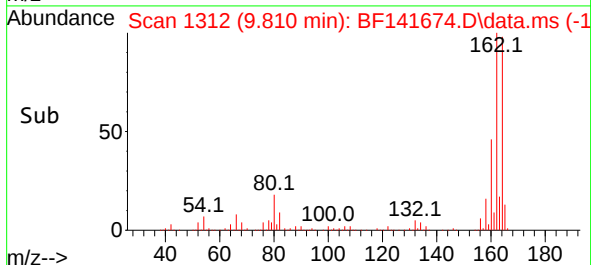
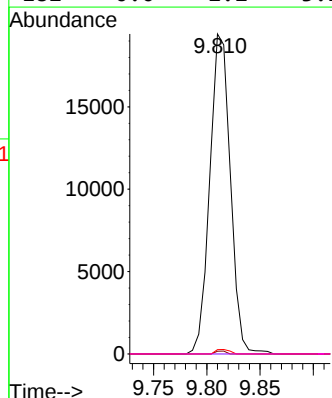
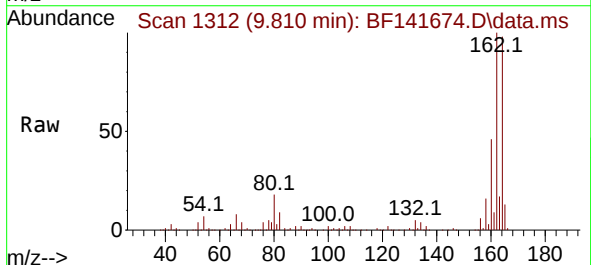
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BNA_F
ClientSampleId :
OU4-PCS-TC-01-021725

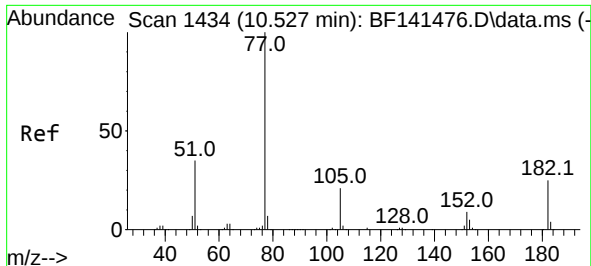
Tgt Ion:165 Resp: 26093
Ion Ratio Lower Upper
165 100
63 0.9 49.4 74.0#
89 1.4 46.5 69.7#



#57
2,4-Dinitrotoluene
Concen: 6.660 ng
RT: 9.810 min Scan# 1312
Delta R.T. -0.217 min
Lab File: BF141674.D
Acq: 19 Feb 2025 14:46

Tgt Ion:165 Resp: 26093
Ion Ratio Lower Upper
165 100
63 0.9 46.4 69.6#
89 1.4 61.8 92.6#
182 0.0 2.2 3.2#

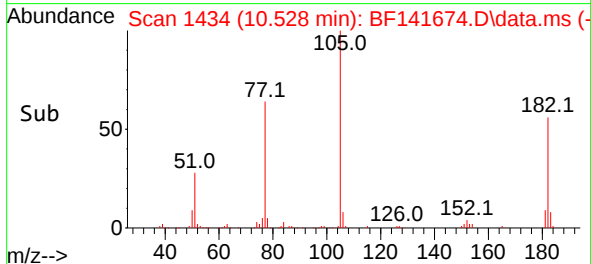
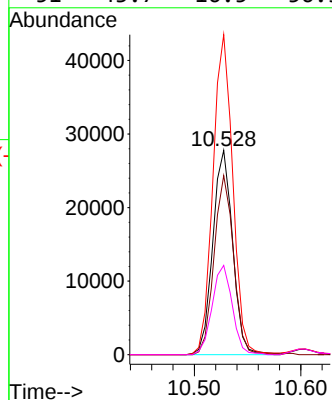
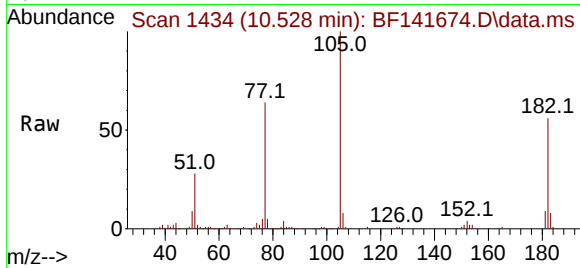




#63
Azobenzene
Concen: 2.737 ng
RT: 10.528 min Scan# 1434
Delta R.T. -0.006 min
Lab File: BF141674.D
Acq: 19 Feb 2025 14:46

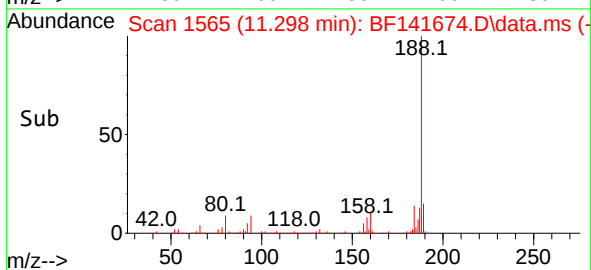
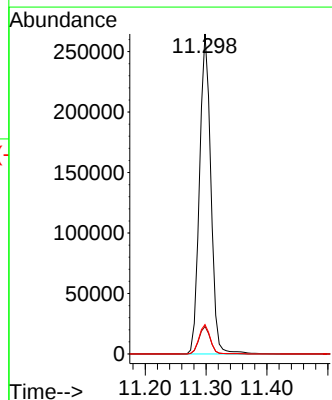
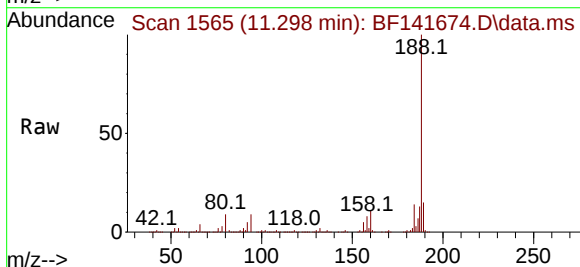
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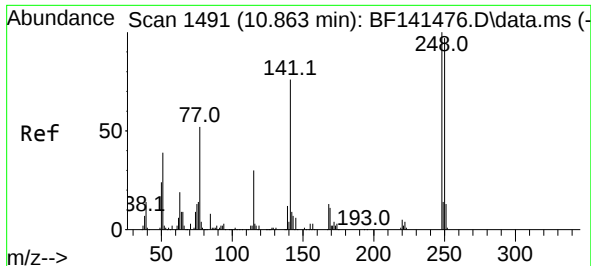
Tgt Ion: 77 Resp: 36038
Ion Ratio Lower Upper
77 100
182 87.7 4.7 44.7#
105 156.7 0.4 40.4#
51 43.7 16.5 56.5



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.298 min Scan# 1565
Delta R.T. -0.017 min
Lab File: BF141674.D
Acq: 19 Feb 2025 14:46

Tgt Ion: 188 Resp: 342347
Ion Ratio Lower Upper
188 100
94 8.6 6.6 10.0
80 9.2 7.3 10.9

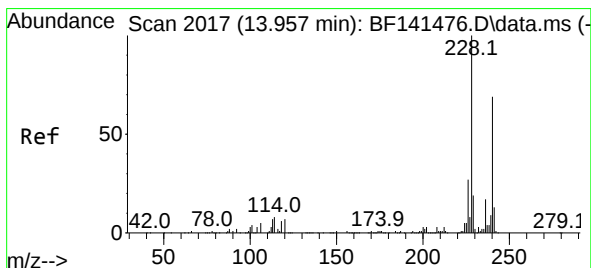
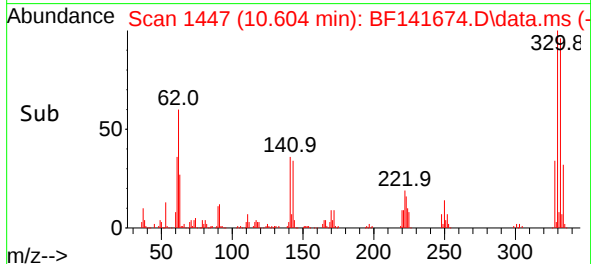
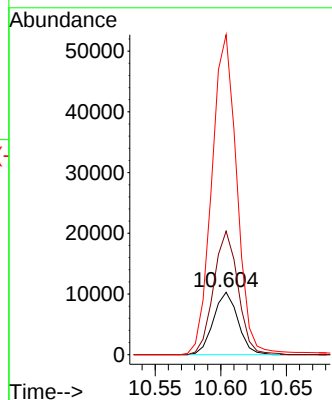
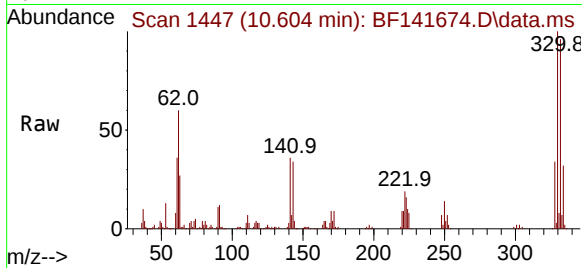




#67
4-Bromophenyl-phenylether
Concen: 3.497 ng
RT: 10.604 min Scan# 1491
Delta R.T. -0.259 min
Lab File: BF141674.D
Acq: 19 Feb 2025 14:46

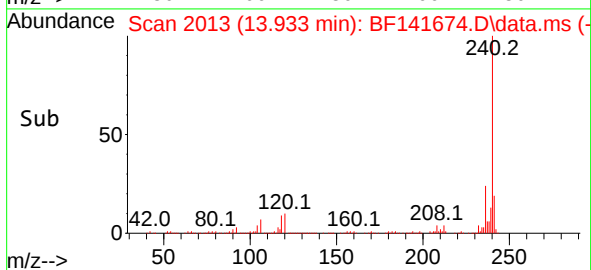
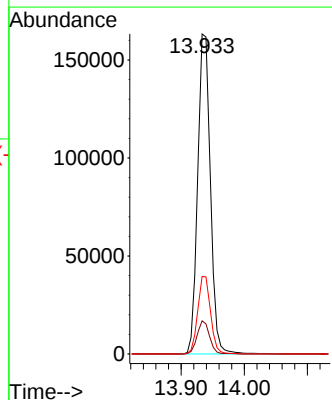
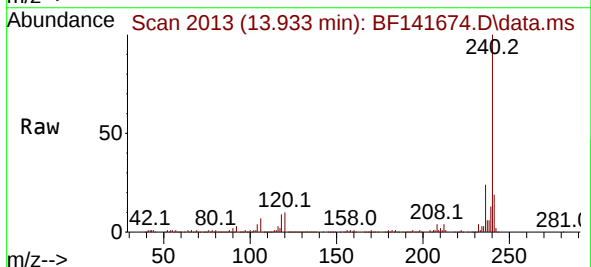
Instrument :
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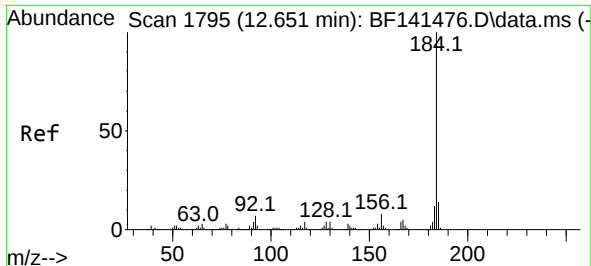
Tgt Ion:248 Resp: 13380
Ion Ratio Lower Upper
248 100
250 197.8 77.8 116.6#
141 512.2 60.6 90.8#



#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.933 min Scan# 2013
Delta R.T. -0.029 min
Lab File: BF141674.D
Acq: 19 Feb 2025 14:46

Tgt Ion:240 Resp: 227952
Ion Ratio Lower Upper
240 100
120 10.3 8.0 12.0
236 24.2 19.8 29.8

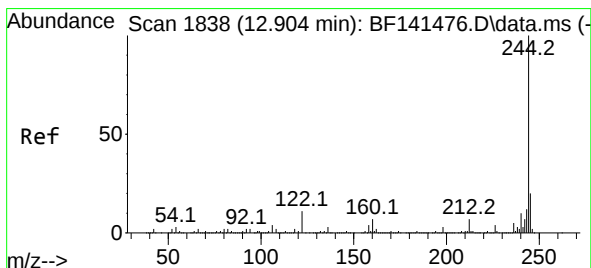
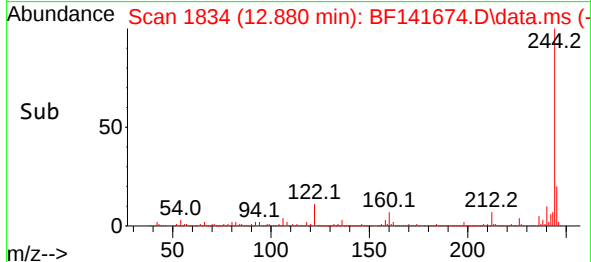
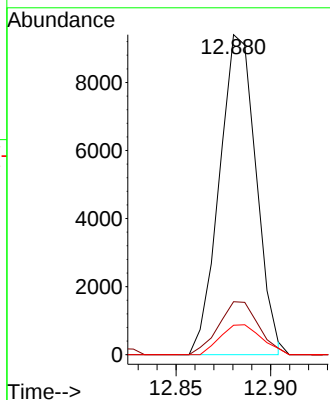
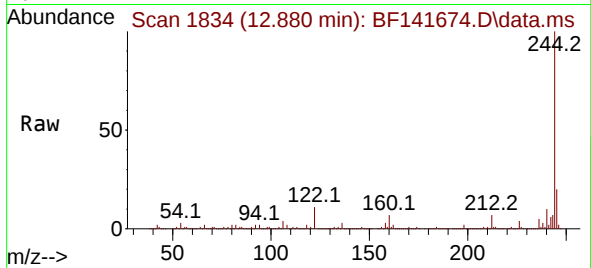




#77
Benzidine
Concen: 2.518 ng
RT: 12.880 min Scan# 1834
Delta R.T. 0.224 min
Lab File: BF141674.D
Acq: 19 Feb 2025 14:46

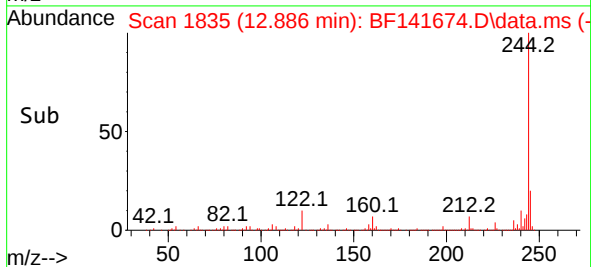
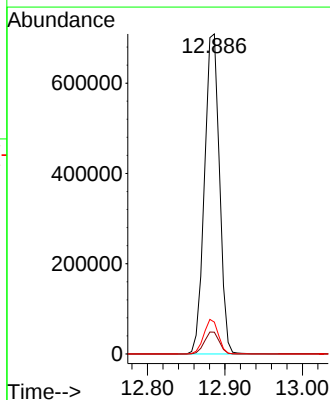
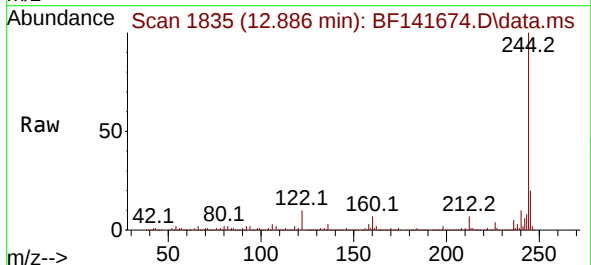
Instrument :
BNA_F
ClientSampleId :
OU4-PCS-TC-01-021725

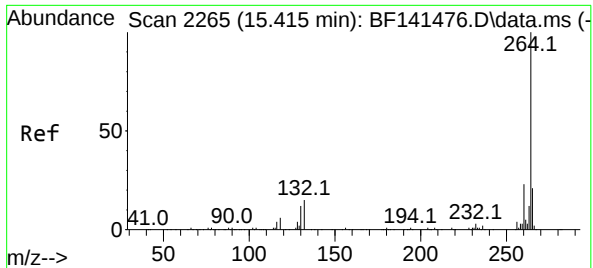
Tgt Ion:184 Resp: 12659
Ion Ratio Lower Upper
184 100
185 16.5 11.3 16.9
183 9.2 9.3 13.9#



#79
Terphenyl-d14
Concen: 70.374 ng
RT: 12.886 min Scan# 1835
Delta R.T. -0.017 min
Lab File: BF141674.D
Acq: 19 Feb 2025 14:46

Tgt Ion:244 Resp: 950258
Ion Ratio Lower Upper
244 100
212 6.8 5.6 8.4
122 10.0 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: BF141674.D
Acq: 19 Feb 2025 14:46

Instrument :
BNA_F
ClientSampleId :
OU4-PCS-TC-01-021725

Tgt Ion:264 Resp: 168628

Ion	Ratio	Lower	Upper
264	100		
260	23.4	18.6	28.0
265	21.2	17.0	25.4

