

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF021925\
 Data File : BF141685.D
 Acq On : 19 Feb 2025 20:10
 Operator : RC/JU
 Sample : Q1382-19
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 OU4-PCS-TC-10-021725

Quant Time: Feb 20 00:13:55 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)

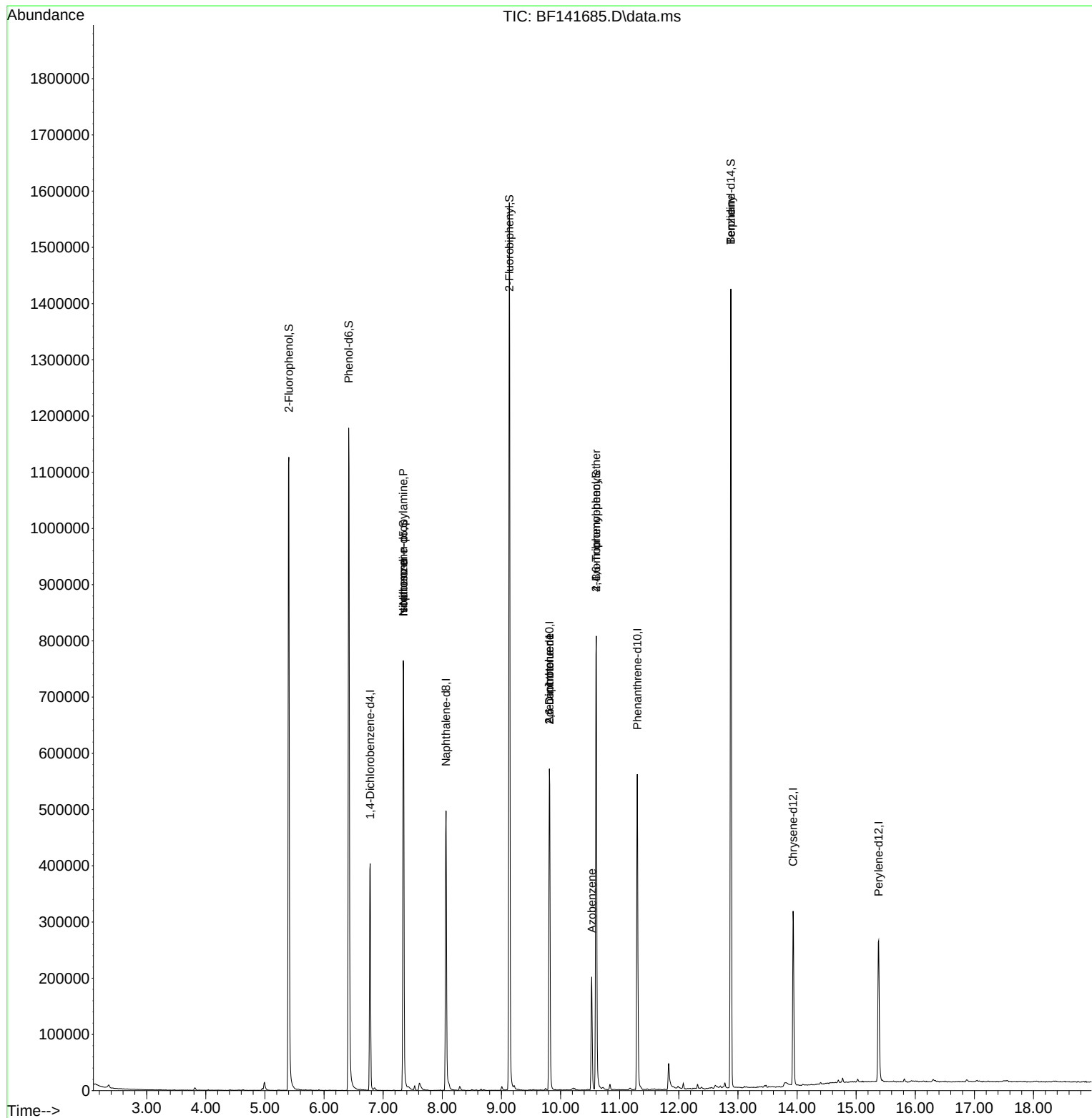
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.781	152	87937	20.000	ng	-0.01
21) Naphthalene-d8	8.063	136	351117	20.000	ng	-0.01
39) Acenaphthene-d10	9.810	164	185915	20.000	ng	-0.02
64) Phenanthrene-d10	11.298	188	313955	20.000	ng	-0.02
76) Chrysene-d12	13.933	240	167604	20.000	ng	-0.03
86) Perylene-d12	15.380	264	167781	20.000	ng	-0.04
System Monitoring Compounds						
5) 2-Fluorophenol	5.404	112	452981	80.758	ng	0.00
7) Phenol-d6	6.416	99	564601	79.639	ng	-0.02
23) Nitrobenzene-d5	7.340	82	365174	54.246	ng	-0.02
42) 2,4,6-Tribromophenol	10.604	330	140027	74.977	ng	-0.02
45) 2-Fluorobiphenyl	9.134	172	717085	59.424	ng	-0.02
79) Terphenyl-d14	12.880	244	693412	69.843	ng	-0.02
Target Compounds						Qvalue
19) n-Nitroso-di-n-propyla...	7.340	70	49055	11.568	ng	# 74
25) Isophorone	7.340	82	355054	33.079	ng	# 66
51) 2,6-Dinitrotoluene	9.810	165	24263	8.794	ng	# 22
57) 2,4-Dinitrotoluene	9.810	165	24264	6.606	ng	# 18
63) Azobenzene	10.528	77	53348	4.321	ng	# 1
67) 4-Bromophenyl-phenylether	10.604	248	9592	2.734	ng	# 1
77) Benzidine	12.880	184	9297	2.515	ng	# 94

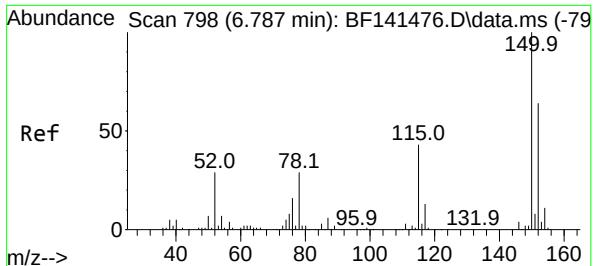
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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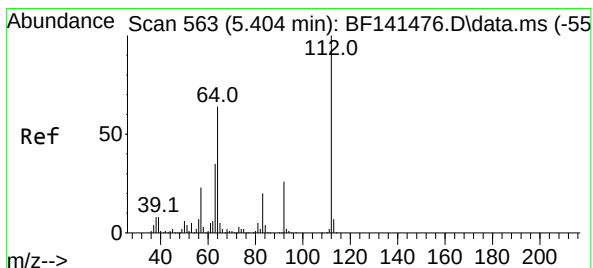
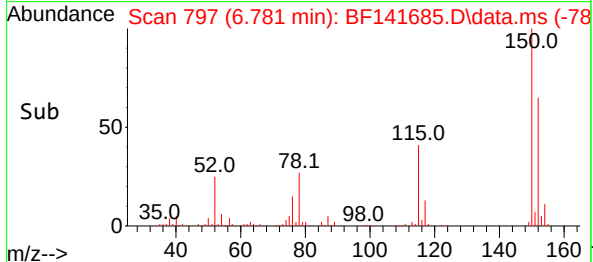
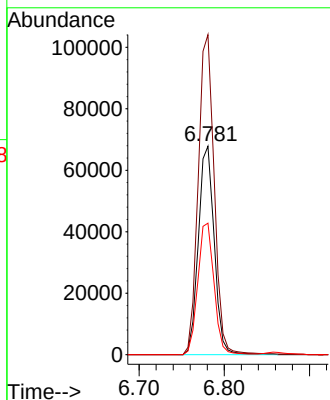
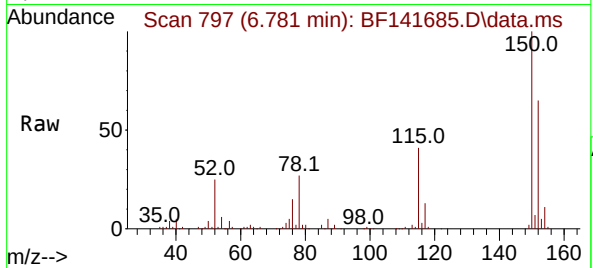




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.781 min Scan# 798
Delta R.T. -0.011 min
Lab File: BF141685.D
Acq: 19 Feb 2025 20:10

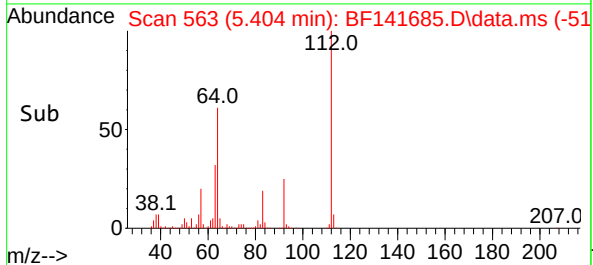
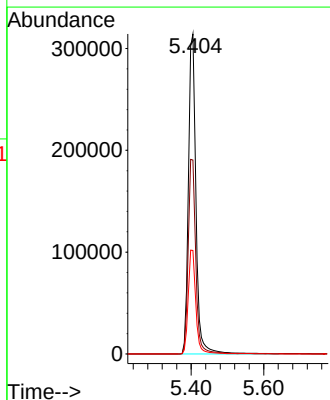
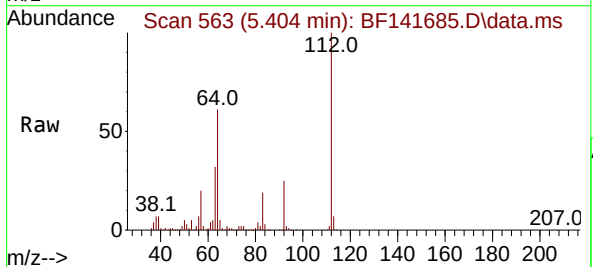
Instrument :
BNA_F
ClientSampleId :
OU4-PCS-TC-10-021725

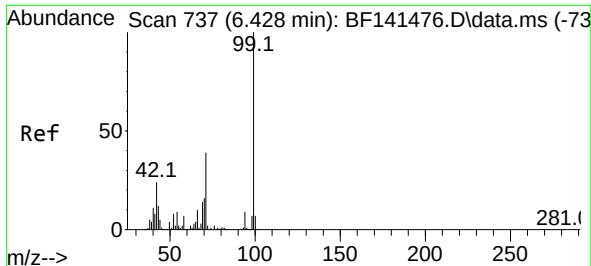
Tgt Ion:152 Resp: 87937
Ion Ratio Lower Upper
152 100
150 153.4 125.0 187.4
115 63.0 53.6 80.4



#5
2-Fluorophenol
Concen: 80.758 ng
RT: 5.404 min Scan# 563
Delta R.T. -0.006 min
Lab File: BF141685.D
Acq: 19 Feb 2025 20:10

Tgt Ion:112 Resp: 452981
Ion Ratio Lower Upper
112 100
64 60.6 51.1 76.7
63 32.3 28.4 42.6

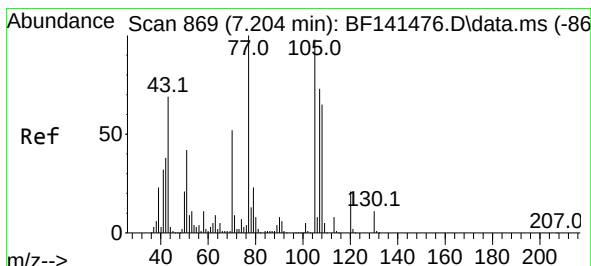
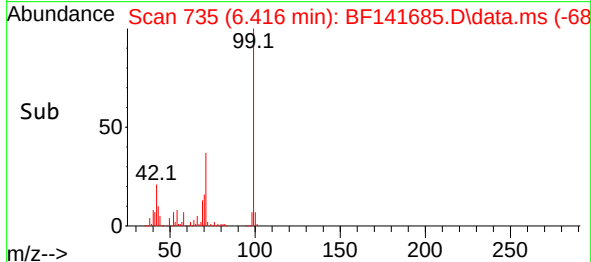
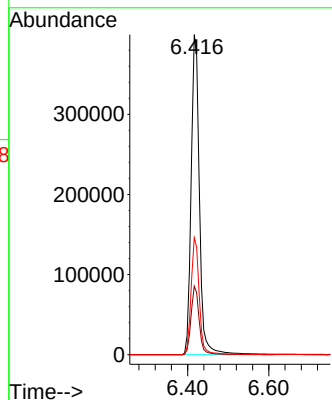
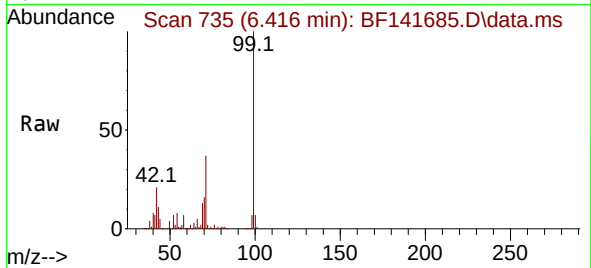




#7
Phenol-d6
Concen: 79.639 ng
RT: 6.416 min Scan# 71
Delta R.T. -0.023 min
Lab File: BF141685.D
Acq: 19 Feb 2025 20:10

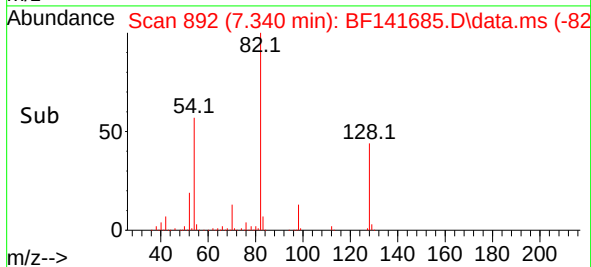
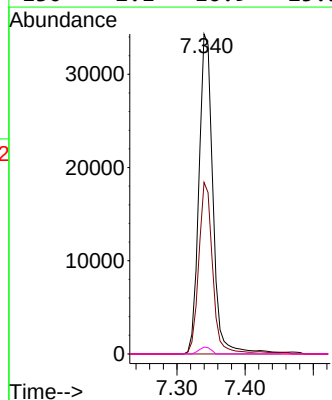
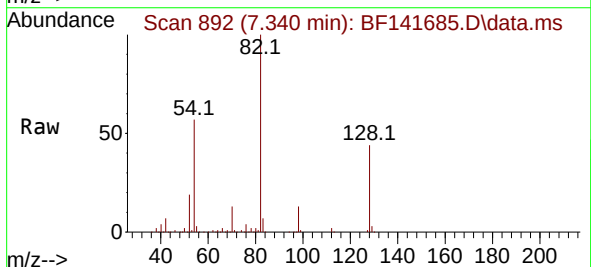
Instrument :
BNA_F
ClientSampleId :
OU4-PCS-TC-10-021725

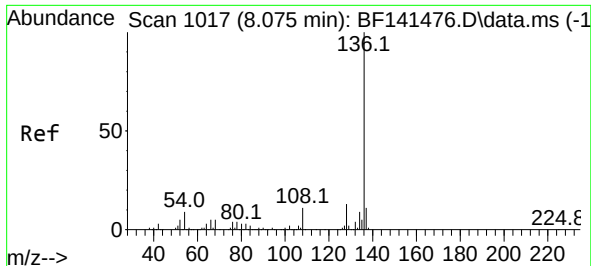
Tgt Ion: 99 Resp: 564601
Ion Ratio Lower Upper
99 100
42 21.4 19.1 28.7
71 36.5 31.1 46.7



#19
n-Nitroso-di-n-propylamine
Concen: 11.568 ng
RT: 7.340 min Scan# 892
Delta R.T. 0.124 min
Lab File: BF141685.D
Acq: 19 Feb 2025 20:10

Tgt Ion: 70 Resp: 49055
Ion Ratio Lower Upper
70 100
42 53.6 57.4 86.2#
101 0.0 8.0 12.0#
130 2.1 16.9 25.3#

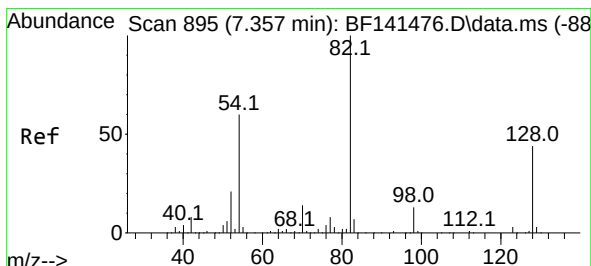
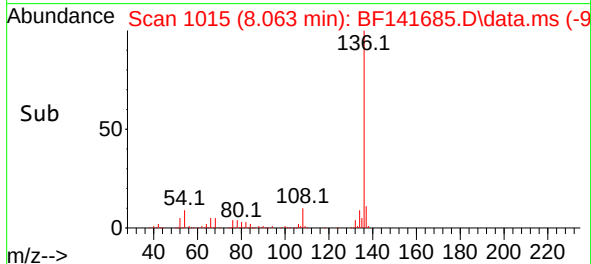
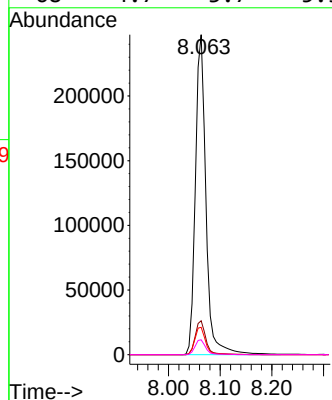
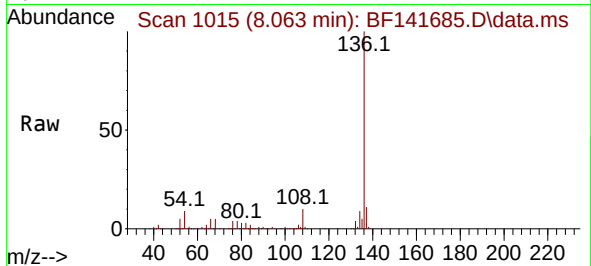




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.063 min Scan# 1015
Delta R.T. -0.011 min
Lab File: BF141685.D
Acq: 19 Feb 2025 20:10

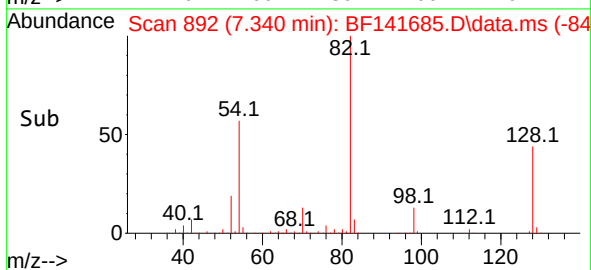
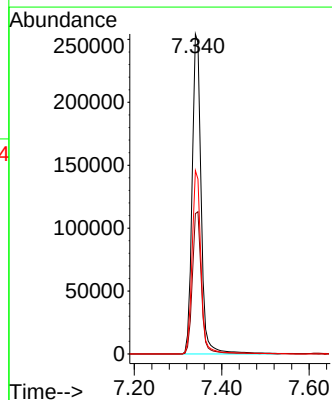
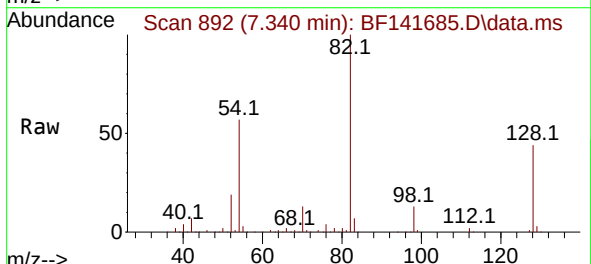
Instrument :
BNA_F
ClientSampleId :
OU4-PCS-TC-10-021725

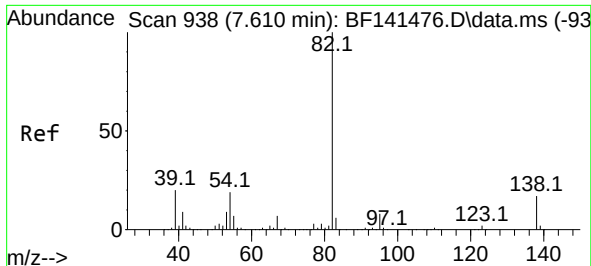
Tgt Ion:	136	Resp:	351117
Ion	Ratio	Lower	Upper
136	100		
137	10.6	8.6	13.0
54	8.5	7.2	10.8
68	4.7	3.7	5.5



#23
Nitrobenzene-d5
Concen: 54.246 ng
RT: 7.340 min Scan# 892
Delta R.T. -0.023 min
Lab File: BF141685.D
Acq: 19 Feb 2025 20:10

Tgt Ion:	82	Resp:	365174
Ion	Ratio	Lower	Upper
82	100		
128	43.8	34.8	52.2
54	57.3	48.2	72.4

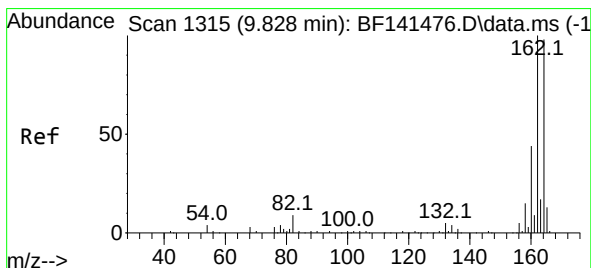
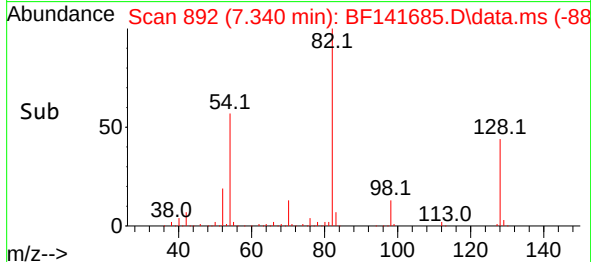
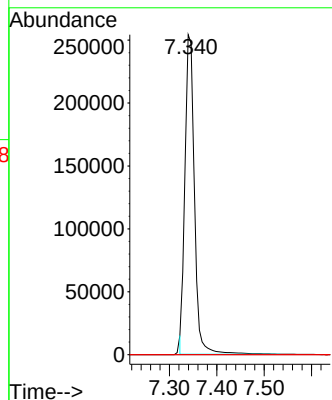
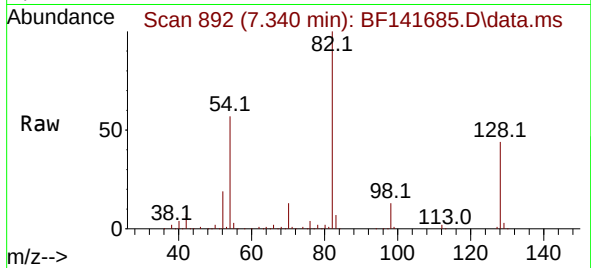




#25
Isophorone
Concen: 33.079 ng
RT: 7.340 min Scan# 89
Delta R.T. -0.282 min
Lab File: BF141685.D
Acq: 19 Feb 2025 20:10

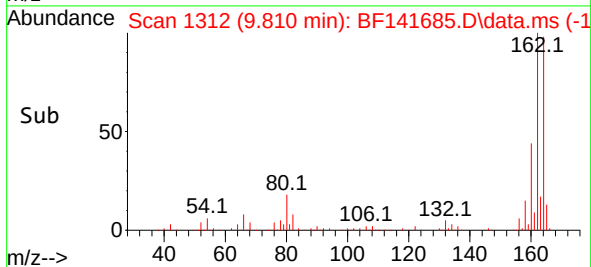
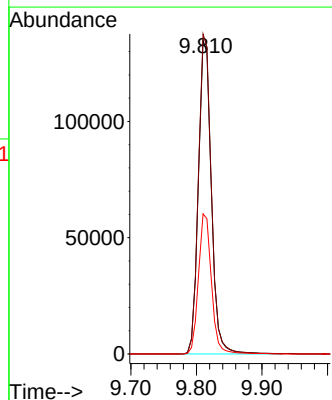
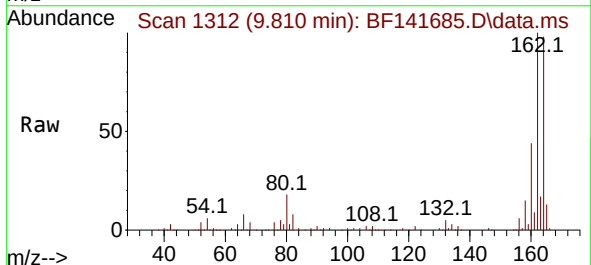
Instrument :
BNA_F
ClientSampleId :
OU4-PCS-TC-10-021725

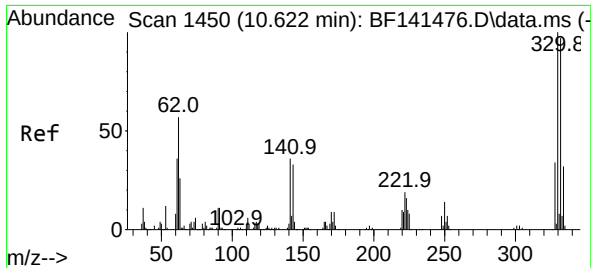
Tgt Ion: 82 Resp: 355054
Ion Ratio Lower Upper
82 100
95 0.0 6.4 9.6#
138 0.0 13.9 20.9#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.810 min Scan# 1312
Delta R.T. -0.023 min
Lab File: BF141685.D
Acq: 19 Feb 2025 20:10

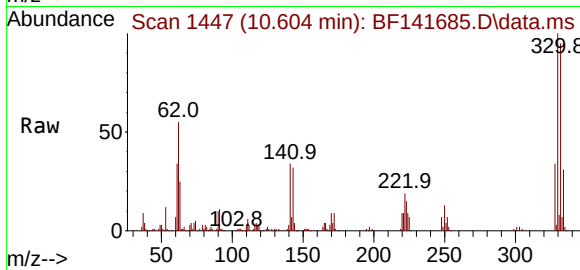
Tgt Ion:164 Resp: 185915
Ion Ratio Lower Upper
164 100
162 102.1 81.3 121.9
160 44.7 35.9 53.9



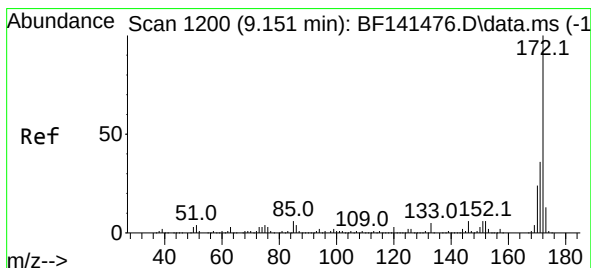
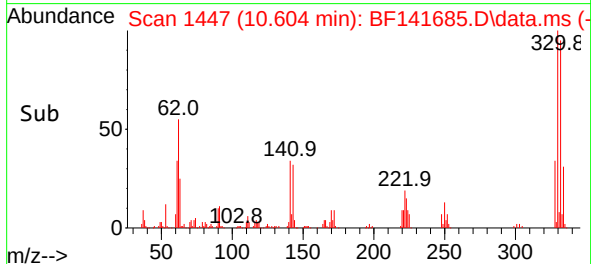
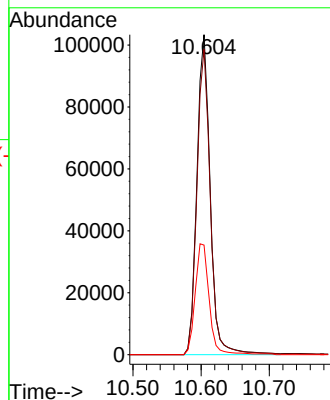


#42
2,4,6-Tribromophenol
Concen: 74.977 ng
RT: 10.604 min Scan# 1447
Delta R.T. -0.023 min
Lab File: BF141685.D
Acq: 19 Feb 2025 20:10

Instrument :
BNA_F
ClientSampleId :
OU4-PCS-TC-10-021725

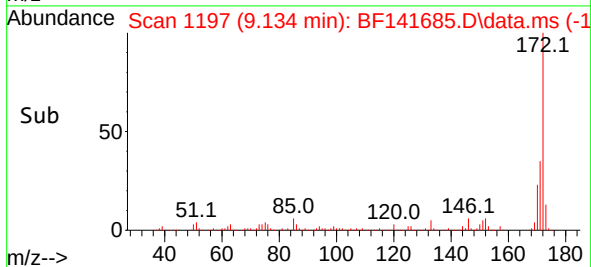
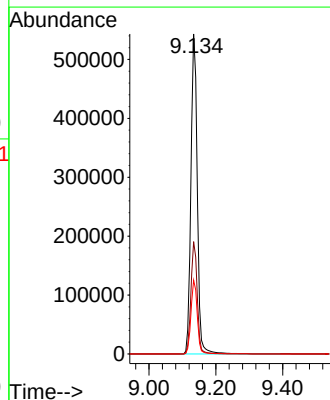
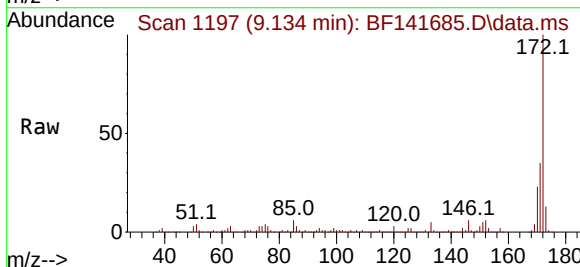


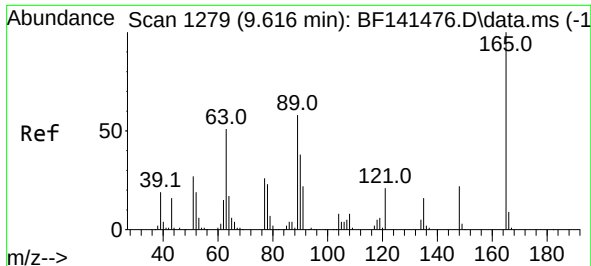
Tgt Ion: 330 Resp: 140027
Ion Ratio Lower Upper
330 100
332 96.0 78.5 117.7
141 36.4 31.0 46.4



#45
2-Fluorobiphenyl
Concen: 59.424 ng
RT: 9.134 min Scan# 1197
Delta R.T. -0.017 min
Lab File: BF141685.D
Acq: 19 Feb 2025 20:10

Tgt Ion: 172 Resp: 717085
Ion Ratio Lower Upper
172 100
171 35.1 28.7 43.1
170 23.1 18.9 28.3

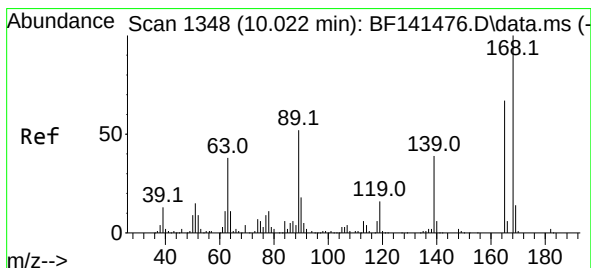
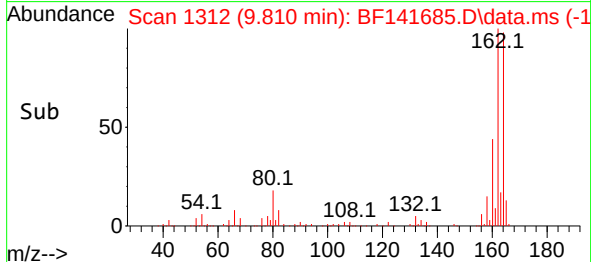
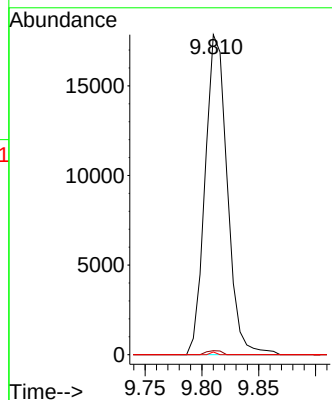
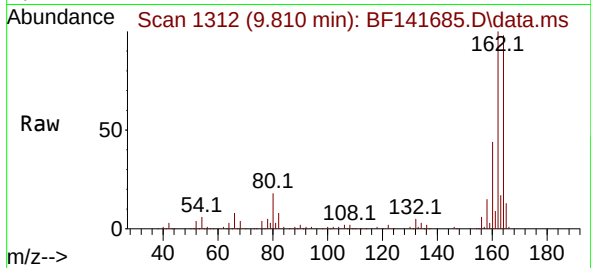




#51
2,6-Dinitrotoluene
Concen: 8.794 ng
RT: 9.810 min Scan# 11
Delta R.T. 0.188 min
Lab File: BF141685.D
Acq: 19 Feb 2025 20:10

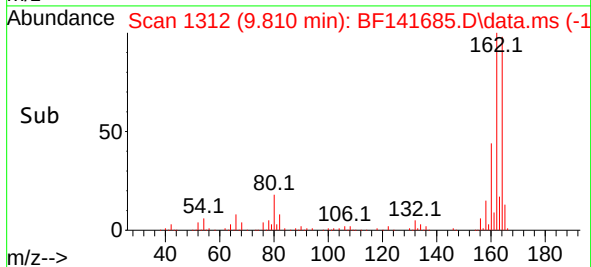
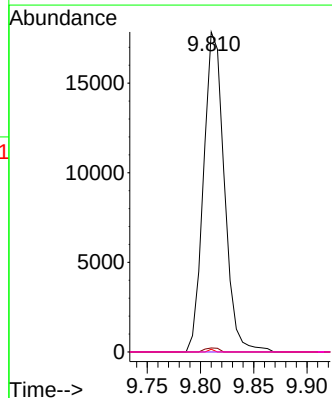
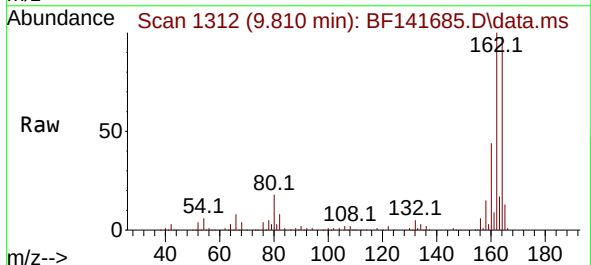
Instrument :
BNA_F
ClientSampleId :
OU4-PCS-TC-10-021725

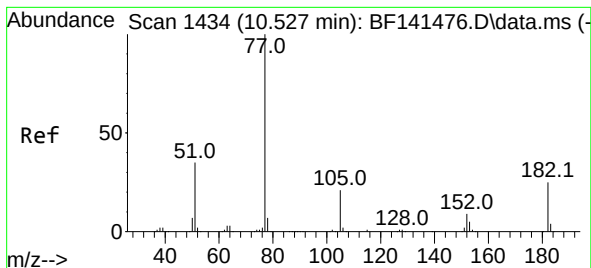
Tgt Ion:165 Resp: 24263
Ion Ratio Lower Upper
165 100
63 1.2 49.4 74.0#
89 0.9 46.5 69.7#



#57
2,4-Dinitrotoluene
Concen: 6.606 ng
RT: 9.810 min Scan# 1312
Delta R.T. -0.217 min
Lab File: BF141685.D
Acq: 19 Feb 2025 20:10

Tgt Ion:165 Resp: 24264
Ion Ratio Lower Upper
165 100
63 1.2 46.4 69.6#
89 0.9 61.8 92.6#
182 0.0 2.2 3.2#





#63

Azobenzene

Concen: 4.321 ng

RT: 10.528 min Scan# 1434

Delta R.T. -0.006 min

Lab File: BF141685.D

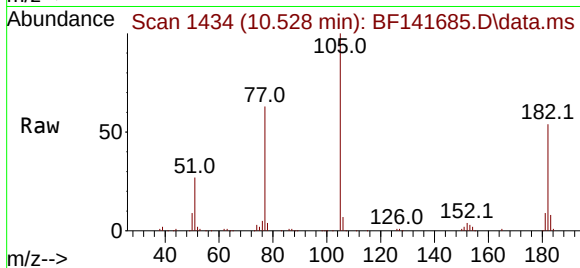
Acq: 19 Feb 2025 20:10

Instrument :

BNA_F

ClientSampleId :

OU4-PCS-TC-10-021725



Tgt Ion: 77 Resp: 53348

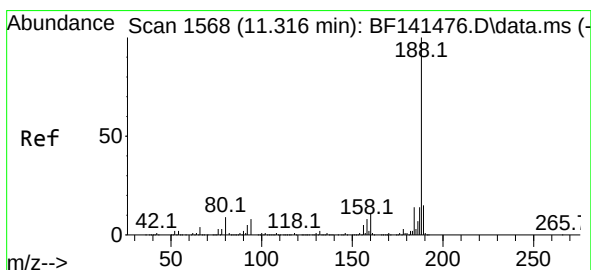
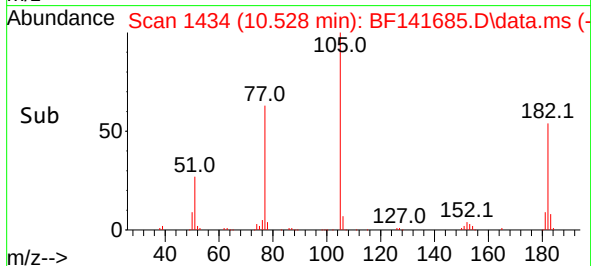
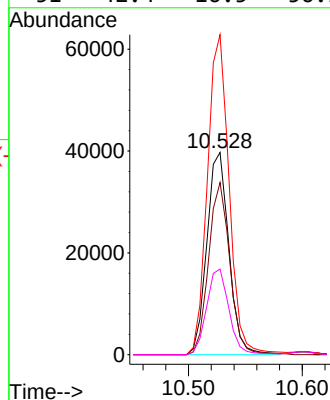
Ion Ratio Lower Upper

77 100

182 85.1 4.7 44.7#

105 158.3 0.4 40.4#

51 42.4 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: BF141685.D

Acq: 19 Feb 2025 20:10

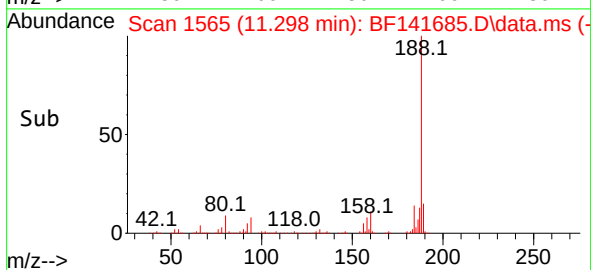
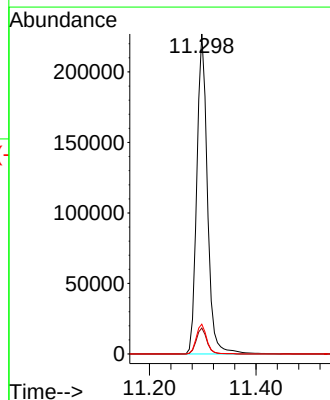
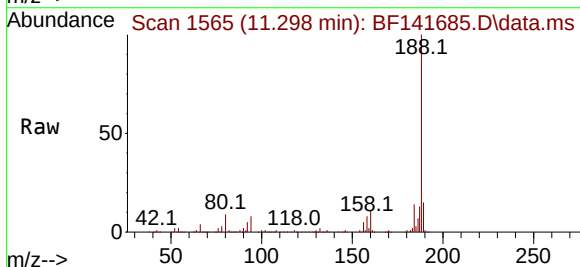
Tgt Ion:188 Resp: 313955

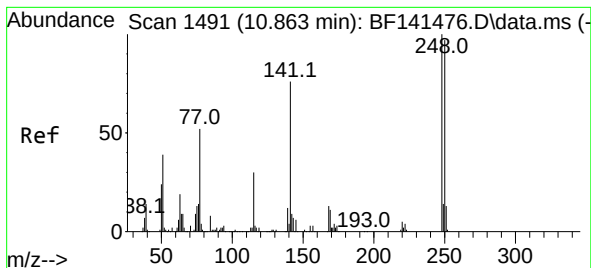
Ion Ratio Lower Upper

188 100

94 8.1 6.6 10.0

80 9.3 7.3 10.9

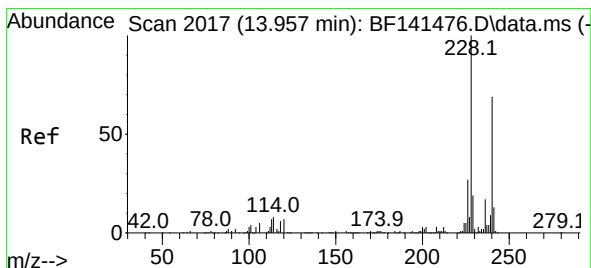
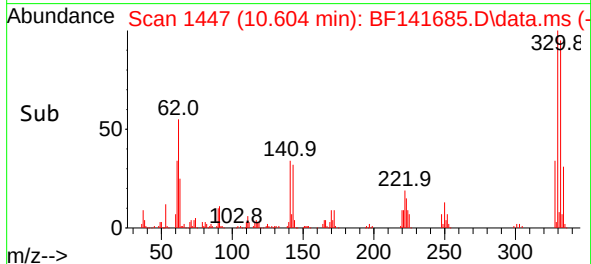
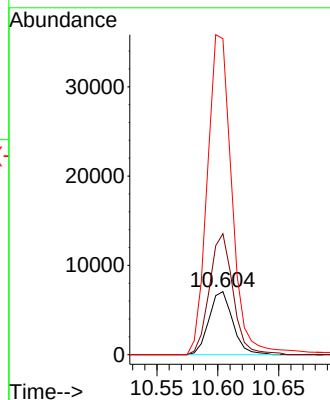
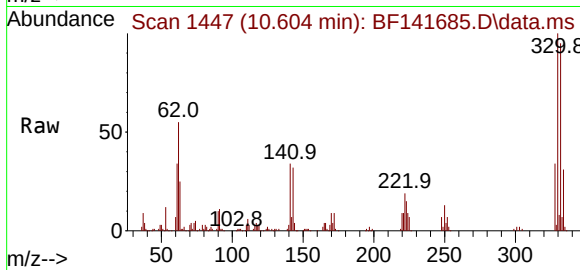




#67
4-Bromophenyl-phenylether
Concen: 2.734 ng
RT: 10.604 min Scan# 1491
Delta R.T. -0.259 min
Lab File: BF141685.D
Acq: 19 Feb 2025 20:10

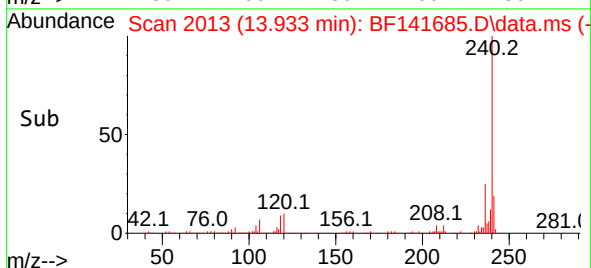
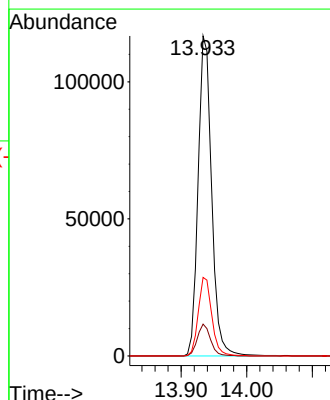
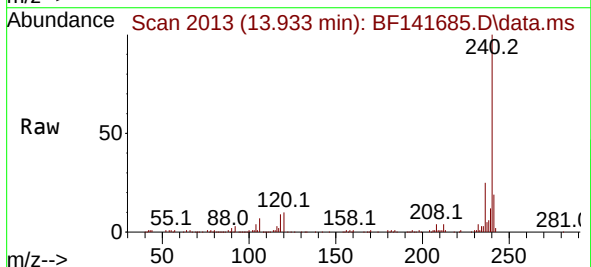
Instrument :
BNA_F
ClientSampleId :
OU4-PCS-TC-10-021725

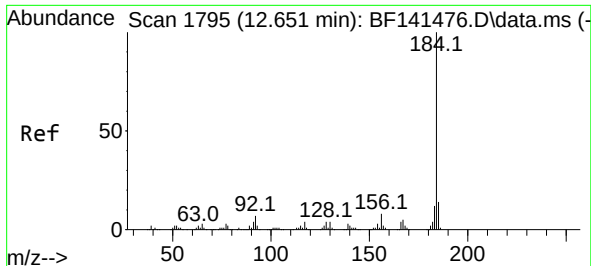
Tgt Ion:248 Resp: 9592
Ion Ratio Lower Upper
248 100
250 191.9 77.8 116.6#
141 501.4 60.6 90.8#



#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.933 min Scan# 2013
Delta R.T. -0.029 min
Lab File: BF141685.D
Acq: 19 Feb 2025 20:10

Tgt Ion:240 Resp: 167604
Ion Ratio Lower Upper
240 100
120 9.9 8.0 12.0
236 24.6 19.8 29.8

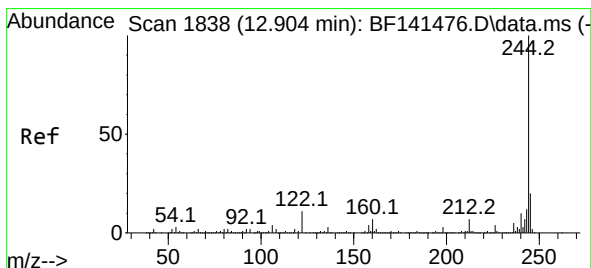
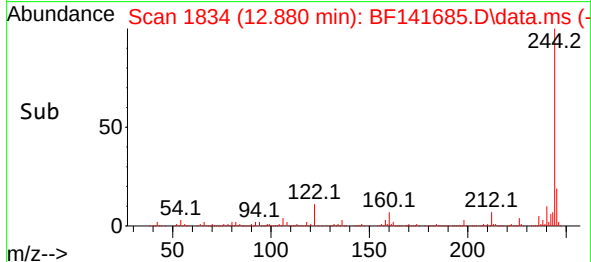
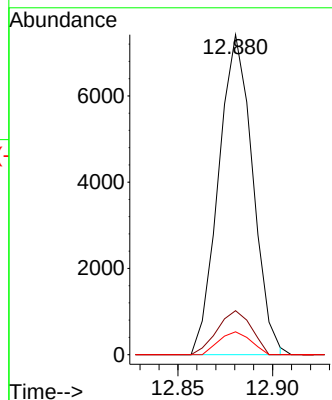
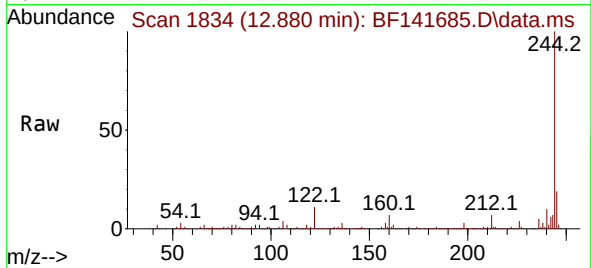




#77
Benzidine
Concen: 2.515 ng
RT: 12.880 min Scan# 1834
Delta R.T. 0.224 min
Lab File: BF141685.D
Acq: 19 Feb 2025 20:10

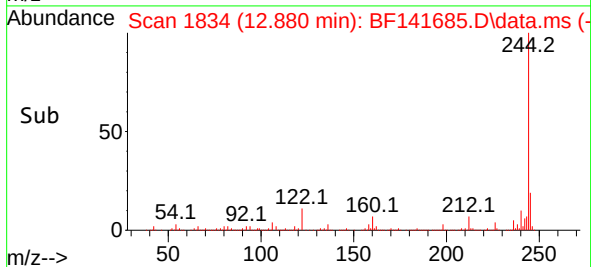
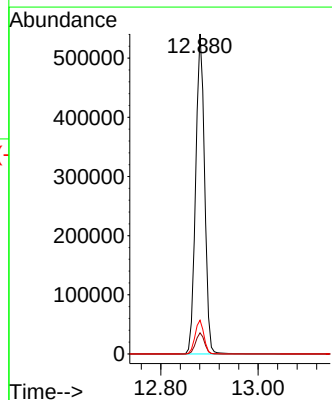
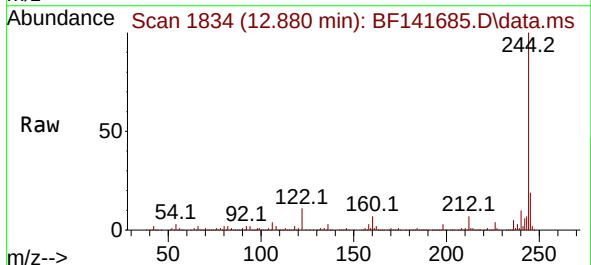
Instrument :
BNA_F
ClientSampleId :
OU4-PCS-TC-10-021725

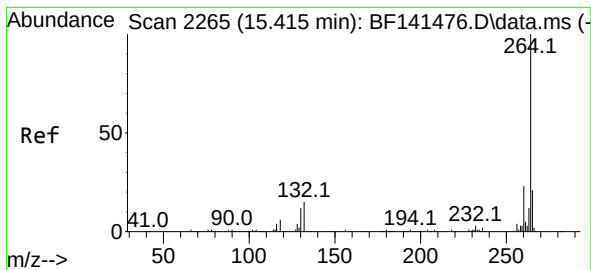
Tgt Ion:184 Resp: 9297
Ion Ratio Lower Upper
184 100
185 13.7 11.3 16.9
183 7.2 9.3 13.9#



#79
Terphenyl-d14
Concen: 69.843 ng
RT: 12.880 min Scan# 1834
Delta R.T. -0.023 min
Lab File: BF141685.D
Acq: 19 Feb 2025 20:10

Tgt Ion:244 Resp: 693412
Ion Ratio Lower Upper
244 100
212 6.6 5.6 8.4
122 10.5 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: BF141685.D

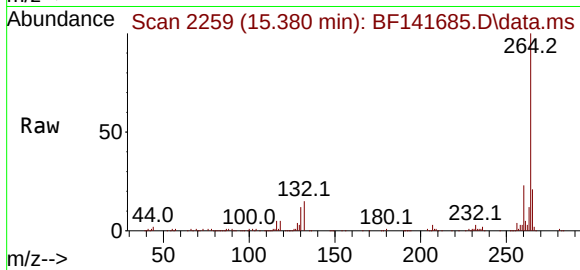
Acq: 19 Feb 2025 20:10

Instrument :

BNA_F

ClientSampleId :

OU4-PCS-TC-10-021725



Tgt Ion:264 Resp: 167781

Ion Ratio Lower Upper

264 100

260 22.8 18.6 28.0

265 20.5 17.0 25.4

