

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF021925\
 Data File : BF141682.D
 Acq On : 19 Feb 2025 18:42
 Operator : RC/JU
 Sample : Q1382-13
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 OU4-PCS-TC-07-021725

Quant Time: Feb 20 00:12:41 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)

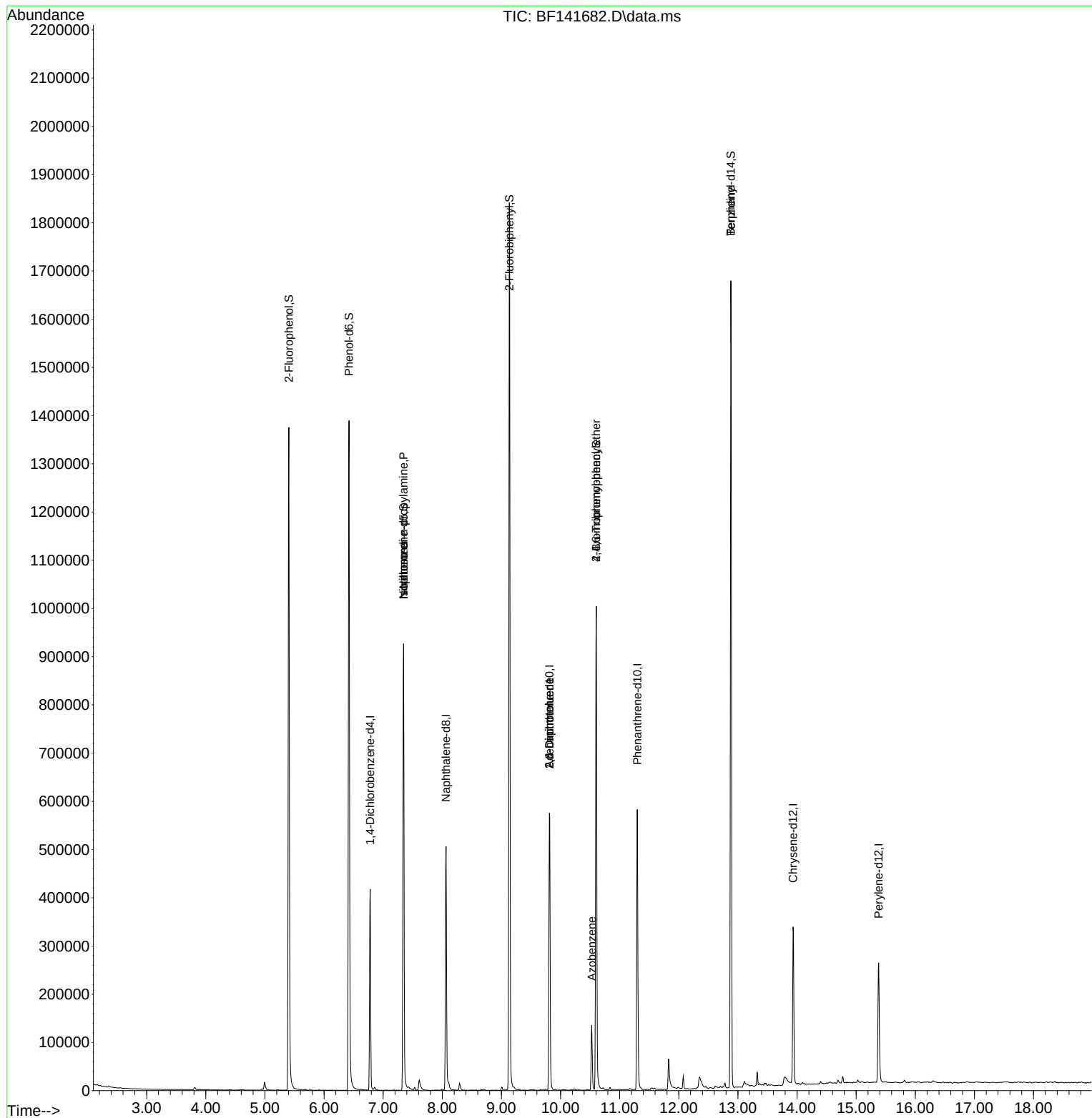
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.781	152	89005	20.000	ng	-0.01
21) Naphthalene-d8	8.063	136	353460	20.000	ng	-0.01
39) Acenaphthene-d10	9.810	164	191305	20.000	ng	-0.02
64) Phenanthrene-d10	11.298	188	321458	20.000	ng	-0.02
76) Chrysene-d12	13.933	240	172870	20.000	ng	-0.03
86) Perylene-d12	15.380	264	160345	20.000	ng	-0.04
System Monitoring Compounds						
5) 2-Fluorophenol	5.404	112	533721	94.010	ng	0.00
7) Phenol-d6	6.422	99	656054	91.428	ng	-0.02
23) Nitrobenzene-d5	7.345	82	423507	62.495	ng	-0.02
42) 2,4,6-Tribromophenol	10.604	330	171966	89.484	ng	-0.02
45) 2-Fluorobiphenyl	9.134	172	831219	66.941	ng	-0.02
79) Terphenyl-d14	12.880	244	830470	81.100	ng	-0.02
Target Compounds						Qvalue
19) n-Nitroso-di-n-propyla...	7.345	70	56967	13.272	ng	# 72
25) Isophorone	7.345	82	414371	38.349	ng	# 66
51) 2,6-Dinitrotoluene	9.810	165	24370	8.584	ng	# 22
57) 2,4-Dinitrotoluene	9.810	165	24370	6.448	ng	# 19
63) Azobenzene	10.528	77	34823	2.741	ng	# 1
67) 4-Bromophenyl-phenylether	10.604	248	11840	3.296	ng	# 1
77) Benzidine	12.880	184	11233	2.946	ng	# 91

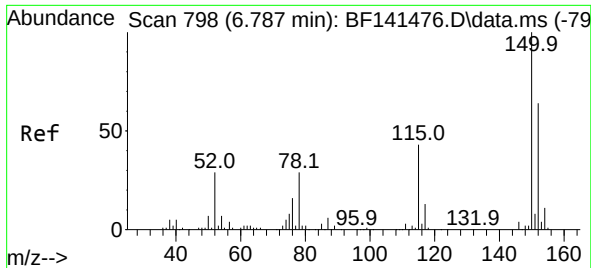
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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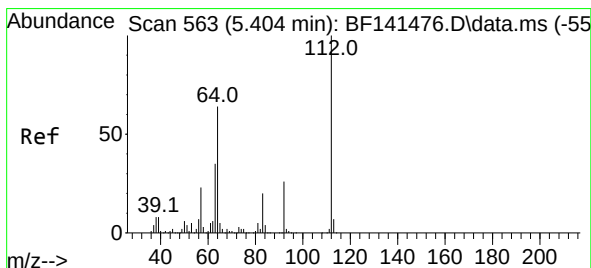
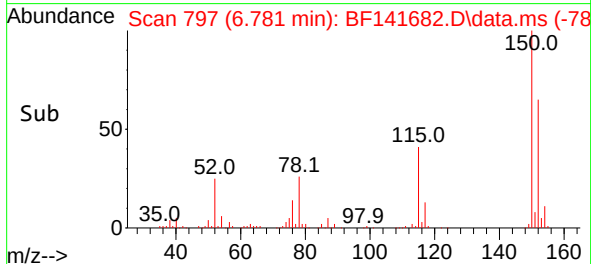
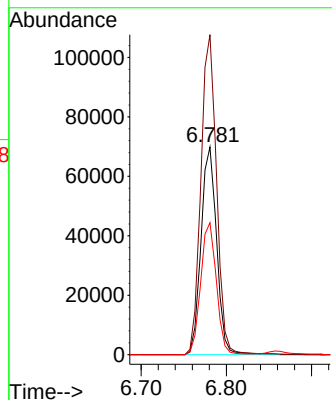
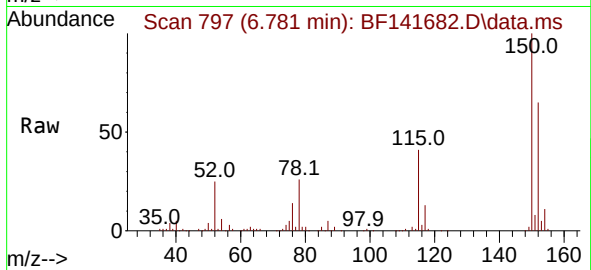




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.781 min Scan# 798
Delta R.T. -0.011 min
Lab File: BF141682.D
Acq: 19 Feb 2025 18:42

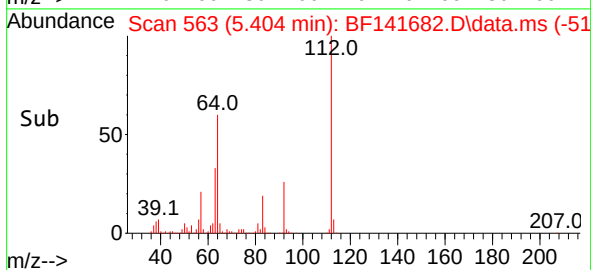
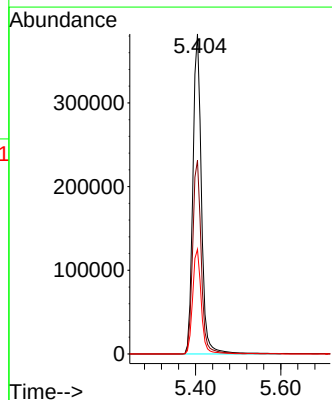
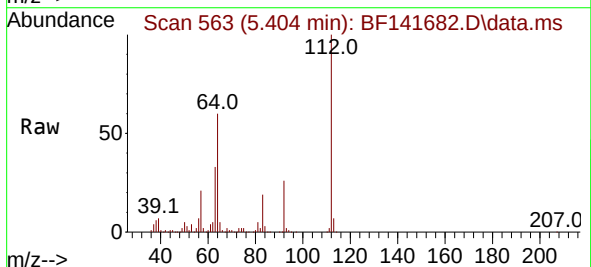
Instrument :
BNA_F
ClientSampleId :
OU4-PCS-TC-07-021725

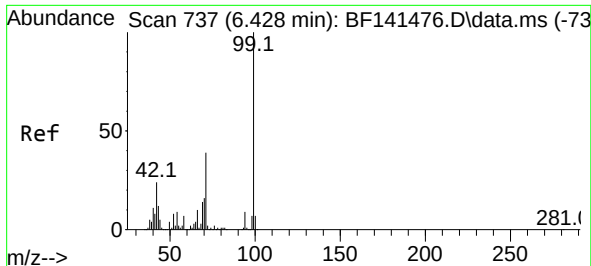
Tgt Ion:152 Resp: 89005
Ion Ratio Lower Upper
152 100
150 154.1 125.0 187.4
115 63.6 53.6 80.4



#5
2-Fluorophenol
Concen: 94.010 ng
RT: 5.404 min Scan# 563
Delta R.T. -0.006 min
Lab File: BF141682.D
Acq: 19 Feb 2025 18:42

Tgt Ion:112 Resp: 533721
Ion Ratio Lower Upper
112 100
64 60.5 51.1 76.7
63 32.7 28.4 42.6

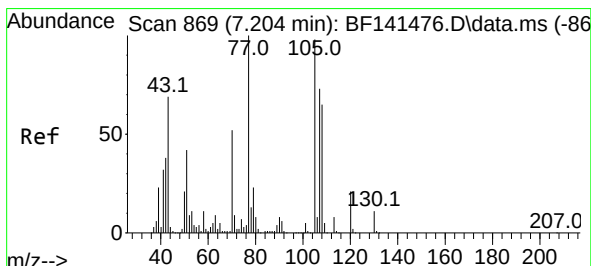
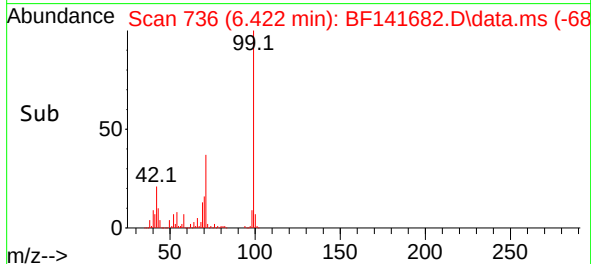
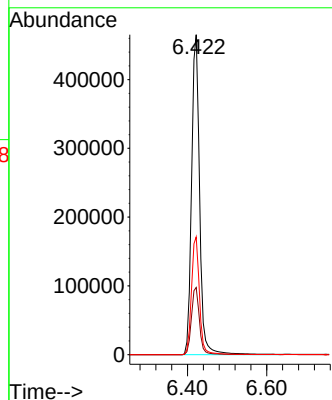
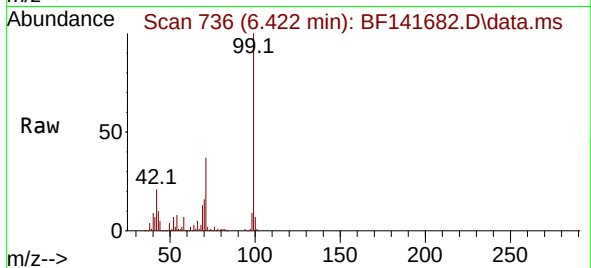




#7
Phenol-d6
Concen: 91.428 ng
RT: 6.422 min Scan# 71
Delta R.T. -0.017 min
Lab File: BF141682.D
Acq: 19 Feb 2025 18:42

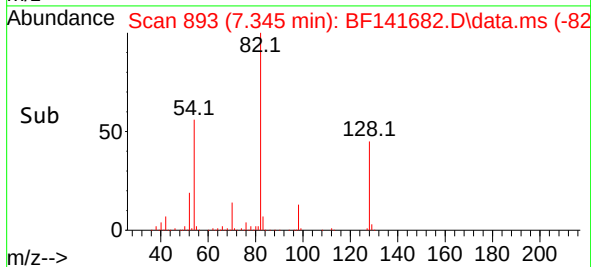
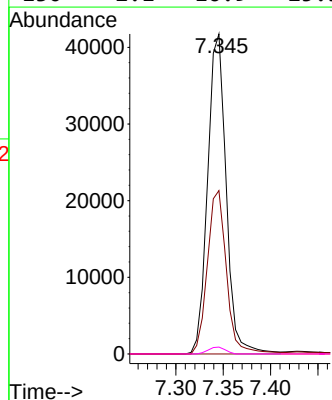
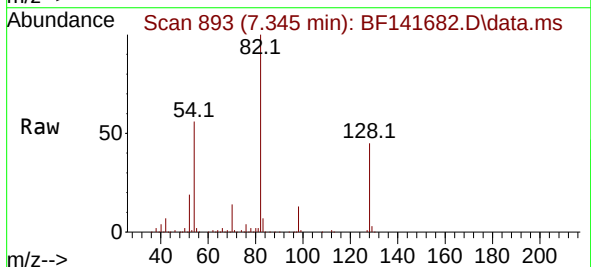
Instrument :
BNA_F
ClientSampleId :
OU4-PCS-TC-07-021725

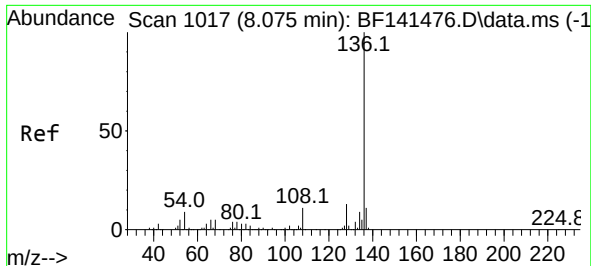
Tgt Ion: 99 Resp: 656054
Ion Ratio Lower Upper
99 100
42 21.0 19.1 28.7
71 36.8 31.1 46.7



#19
n-Nitroso-di-n-propylamine
Concen: 13.272 ng
RT: 7.345 min Scan# 893
Delta R.T. 0.130 min
Lab File: BF141682.D
Acq: 19 Feb 2025 18:42

Tgt Ion: 70 Resp: 56967
Ion Ratio Lower Upper
70 100
42 51.1 57.4 86.2#
101 0.0 8.0 12.0#
130 2.1 16.9 25.3#

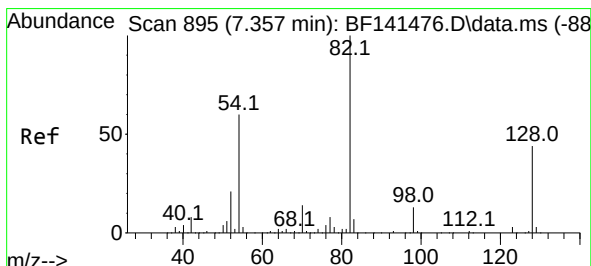
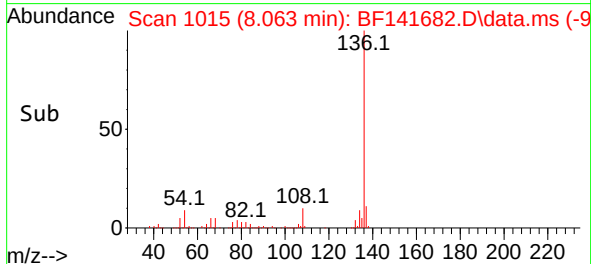
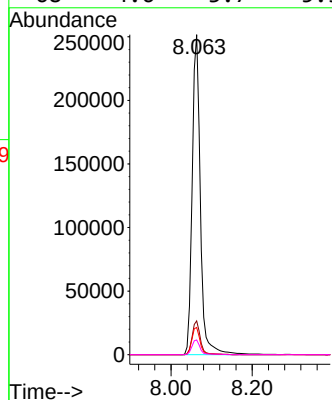
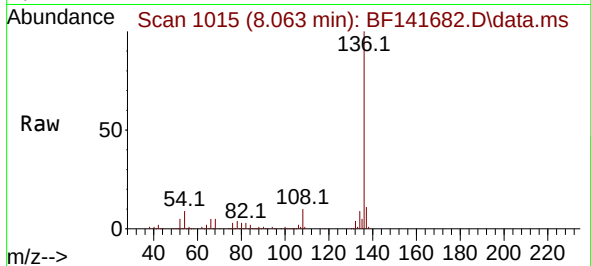




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.063 min Scan# 1015
Delta R.T. -0.012 min
Lab File: BF141682.D
Acq: 19 Feb 2025 18:42

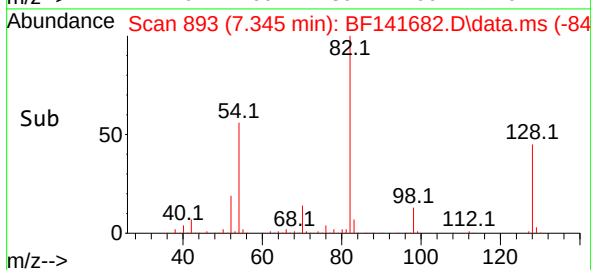
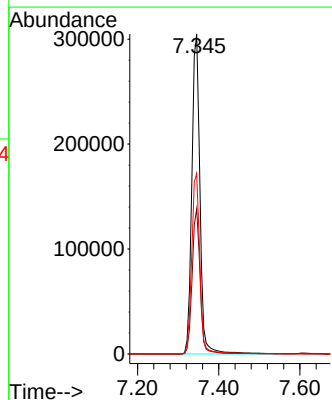
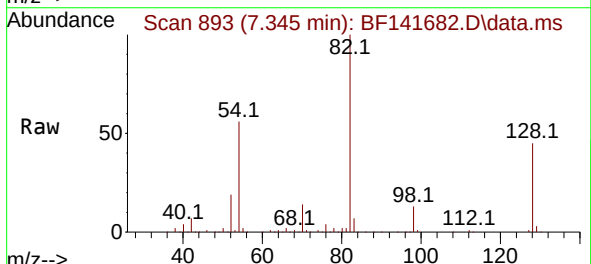
Instrument :
BNA_F
ClientSampleId :
OU4-PCS-TC-07-021725

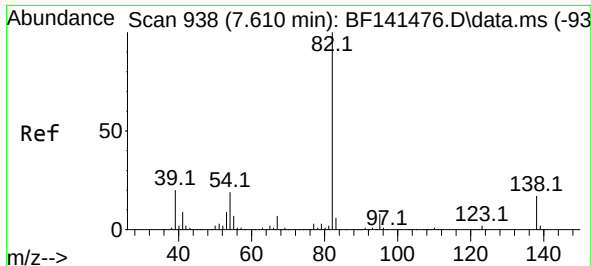
Tgt Ion:136 Resp: 353460
Ion Ratio Lower Upper
136 100
137 10.5 8.6 13.0
54 8.5 7.2 10.8
68 4.6 3.7 5.5



#23
Nitrobenzene-d5
Concen: 62.495 ng
RT: 7.345 min Scan# 893
Delta R.T. -0.017 min
Lab File: BF141682.D
Acq: 19 Feb 2025 18:42

Tgt Ion: 82 Resp: 423507
Ion Ratio Lower Upper
82 100
128 45.3 34.8 52.2
54 56.4 48.2 72.4

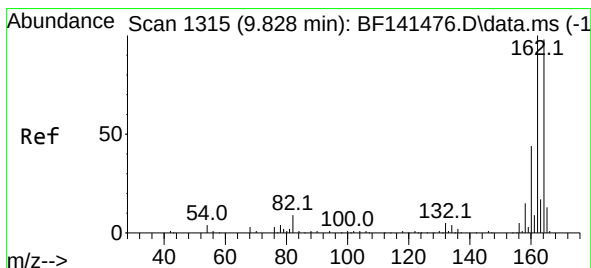
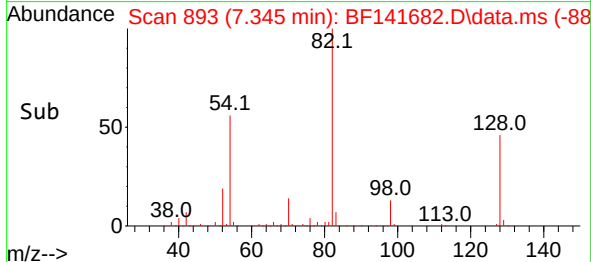
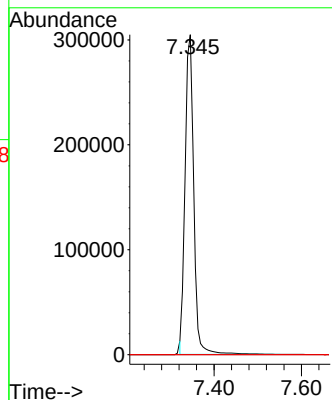
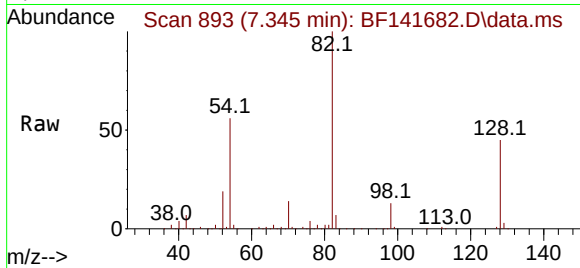




#25
Isophorone
Concen: 38.349 ng
RT: 7.345 min Scan# 893
Delta R.T. -0.276 min
Lab File: BF141682.D
Acq: 19 Feb 2025 18:42

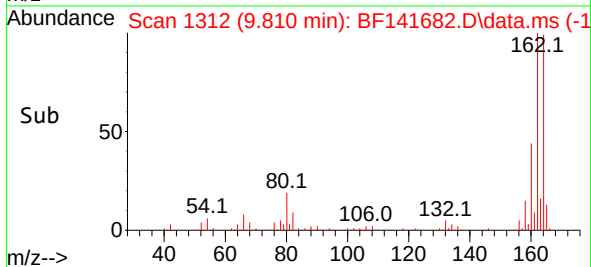
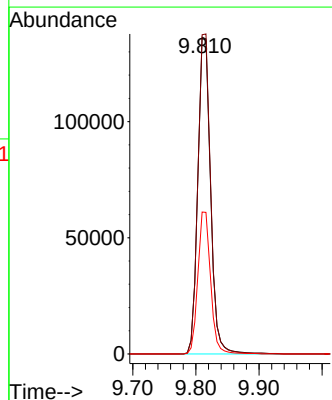
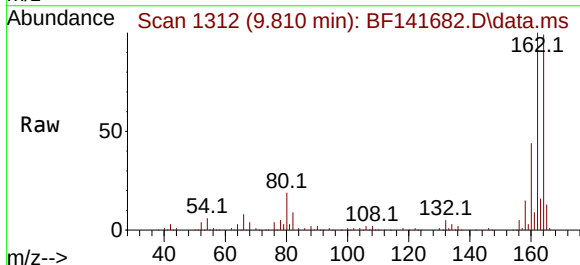
Instrument :
BNA_F
ClientSampleId :
OU4-PCS-TC-07-021725

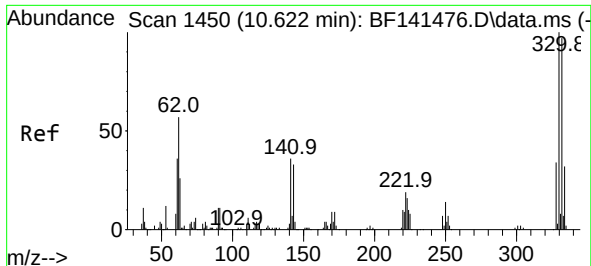
Tgt Ion: 82 Resp: 414371
Ion Ratio Lower Upper
82 100
95 0.0 6.4 9.6#
138 0.0 13.9 20.9#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.810 min Scan# 1312
Delta R.T. -0.023 min
Lab File: BF141682.D
Acq: 19 Feb 2025 18:42

Tgt Ion:164 Resp: 191305
Ion Ratio Lower Upper
164 100
162 100.8 81.3 121.9
160 44.8 35.9 53.9





#42

2,4,6-Tribromophenol

Concen: 89.484 ng

RT: 10.604 min Scan# 1447

Delta R.T. -0.023 min

Lab File: BF141682.D

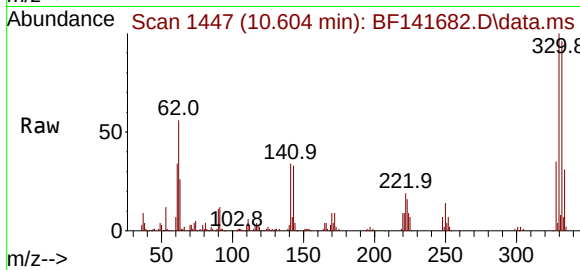
Acq: 19 Feb 2025 18:42

Instrument :

BNA_F

ClientSampleId :

OU4-PCS-TC-07-021725



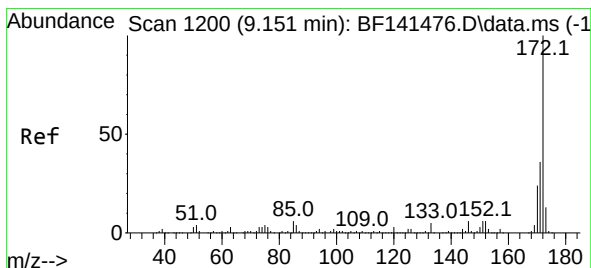
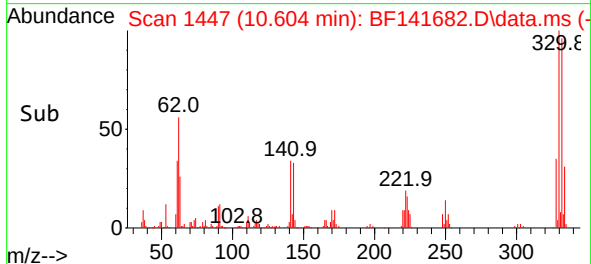
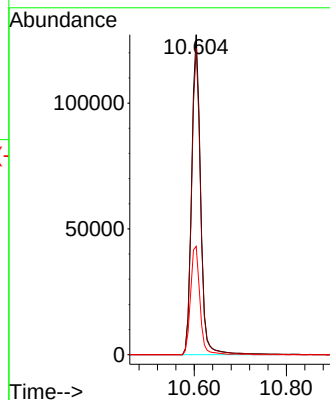
Tgt Ion:330 Resp: 171966

Ion Ratio Lower Upper

330 100

332 95.7 78.5 117.7

141 35.1 31.0 46.4



#45

2-Fluorobiphenyl

Concen: 66.941 ng

RT: 9.134 min Scan# 1197

Delta R.T. -0.017 min

Lab File: BF141682.D

Acq: 19 Feb 2025 18:42

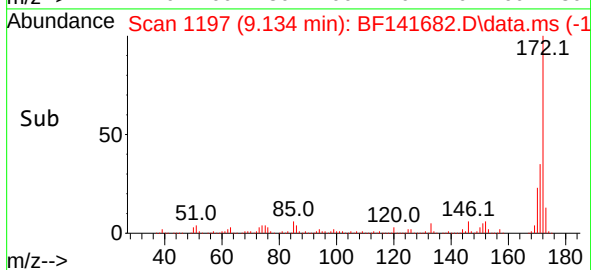
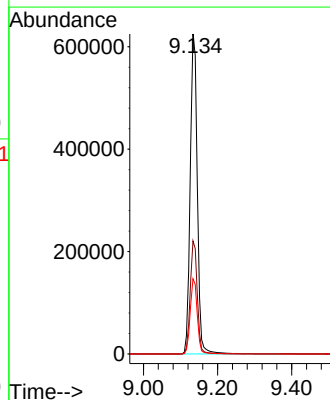
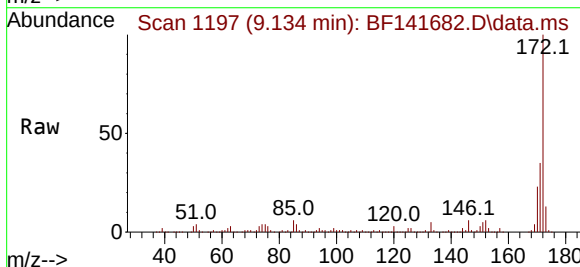
Tgt Ion:172 Resp: 831219

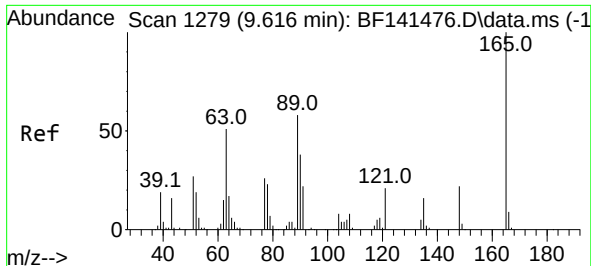
Ion Ratio Lower Upper

172 100

171 35.3 28.7 43.1

170 23.5 18.9 28.3





#51

2,6-Dinitrotoluene

Concen: 8.584 ng

RT: 9.810 min Scan# 1

Delta R.T. 0.188 min

Lab File: BF141682.D

Acq: 19 Feb 2025 18:42

Instrument :

BNA_F

ClientSampleId :

OU4-PCS-TC-07-021725

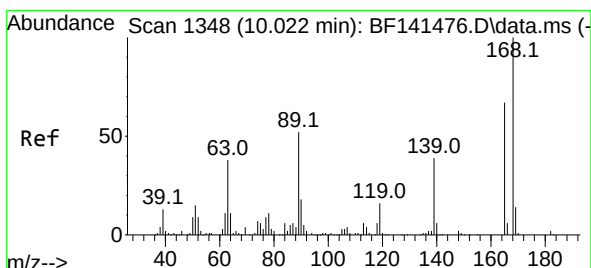
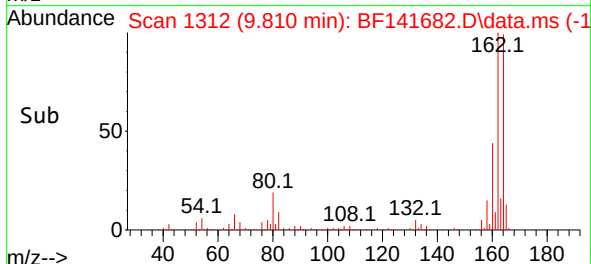
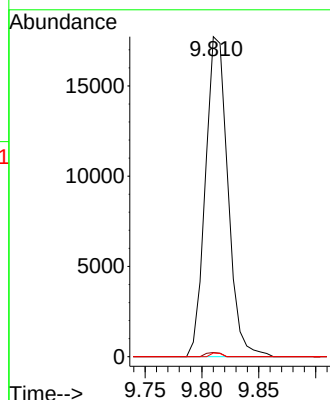
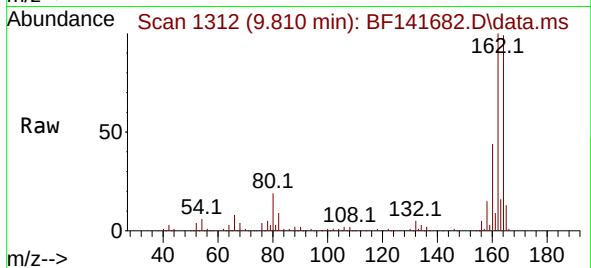
Tgt Ion:165 Resp: 24370

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: 6.448 ng

RT: 9.810 min Scan# 1312

Delta R.T. -0.217 min

Lab File: BF141682.D

Acq: 19 Feb 2025 18:42

Tgt Ion:165 Resp: 24370

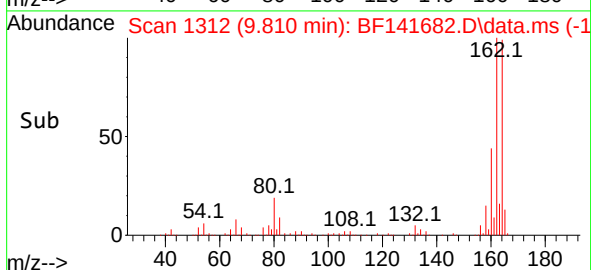
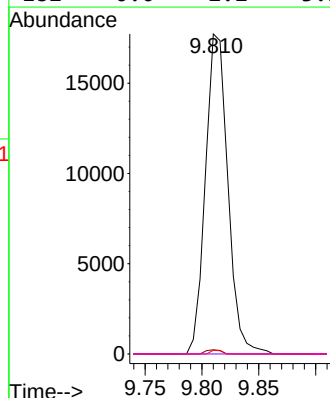
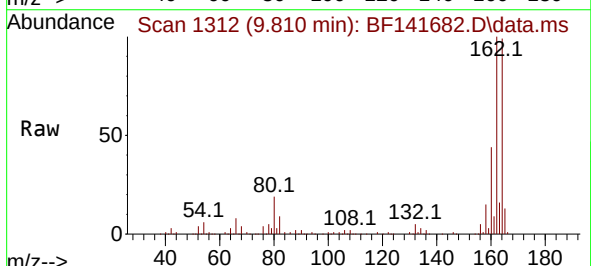
Ion Ratio Lower Upper

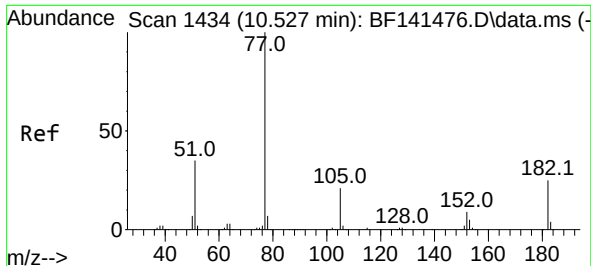
165 100

63 1.3 46.4 69.6#

89 1.2 61.8 92.6#

182 0.0 2.2 3.2#

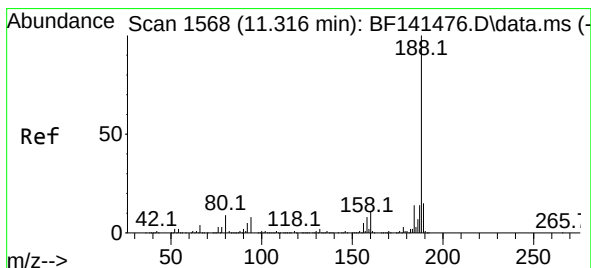
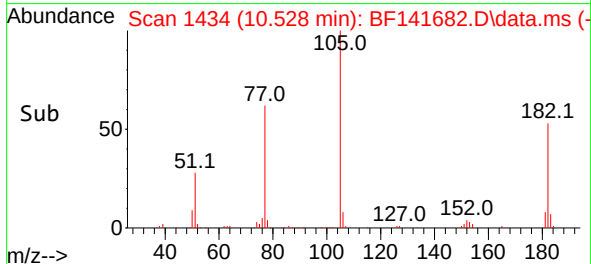
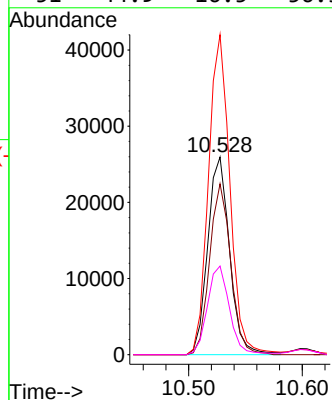
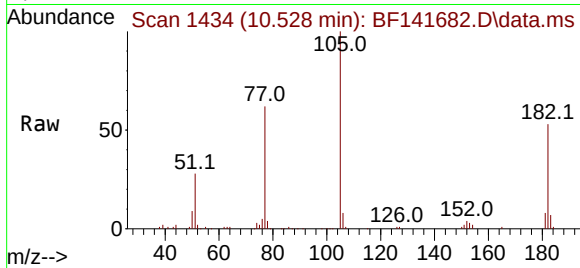




#63
Azobenzene
Concen: 2.741 ng
RT: 10.528 min Scan# 1434
Delta R.T. -0.006 min
Lab File: BF141682.D
Acq: 19 Feb 2025 18:42

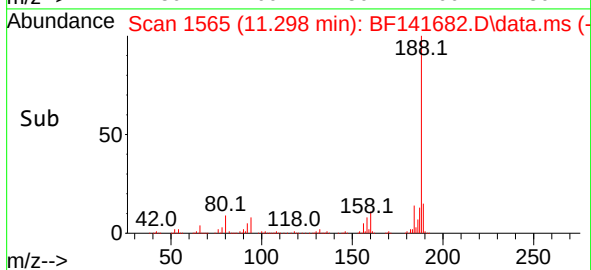
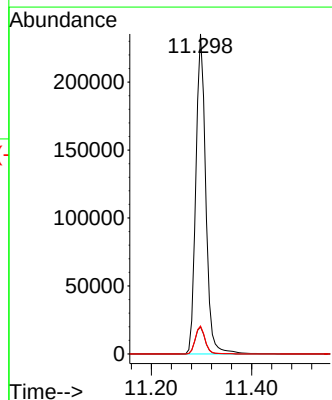
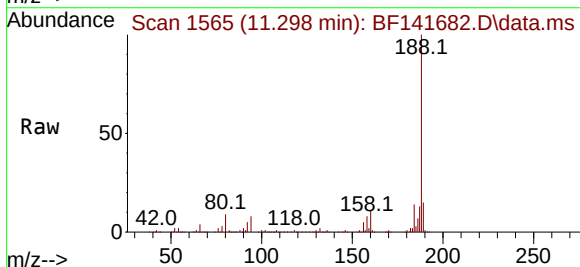
Instrument :
BNA_F
ClientSampleId :
OU4-PCS-TC-07-021725

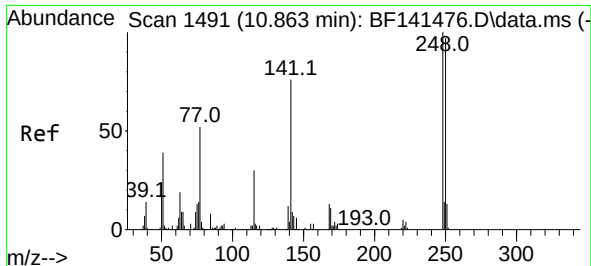
Tgt Ion: 77	Resp: 34823
Ion Ratio	Lower Upper
77 100	
182 86.5	4.7 44.7#
105 162.0	0.4 40.4#
51 44.9	16.5 56.5



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.298 min Scan# 1565
Delta R.T. -0.017 min
Lab File: BF141682.D
Acq: 19 Feb 2025 18:42

Tgt Ion:188	Resp: 321458
Ion Ratio	Lower Upper
188 100	
94 8.5	6.6 10.0
80 8.8	7.3 10.9

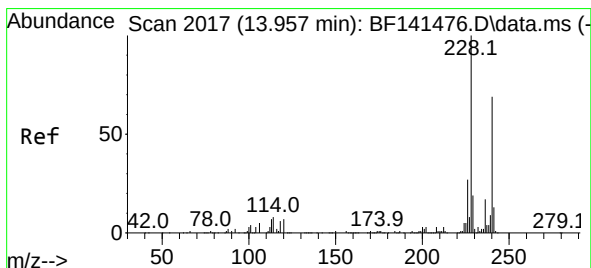
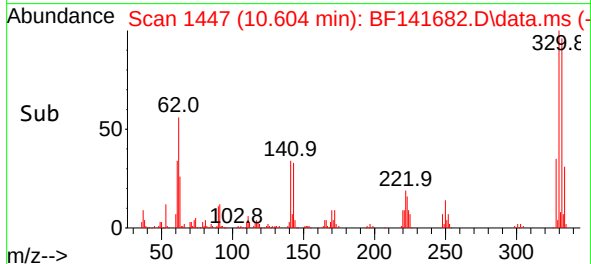
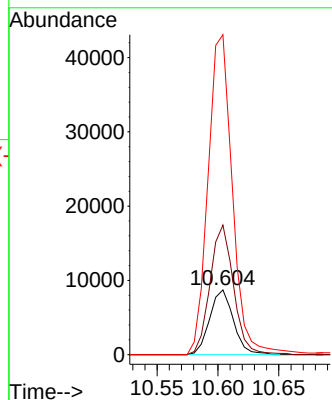
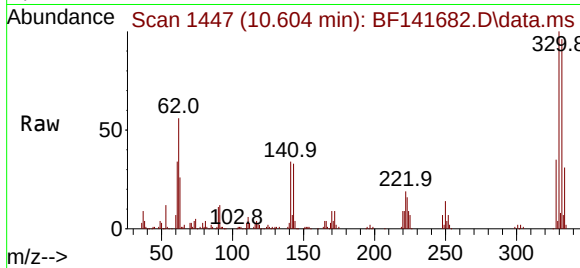




#67
4-Bromophenyl-phenylether
Concen: 3.296 ng
RT: 10.604 min Scan# 1491
Delta R.T. -0.259 min
Lab File: BF141682.D
Acq: 19 Feb 2025 18:42

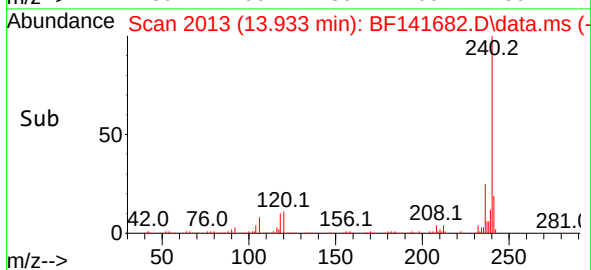
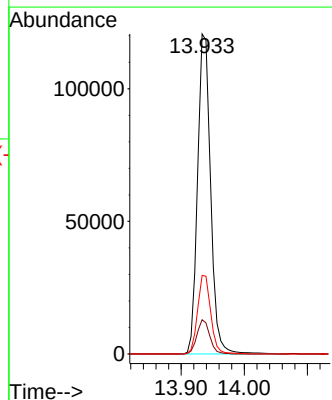
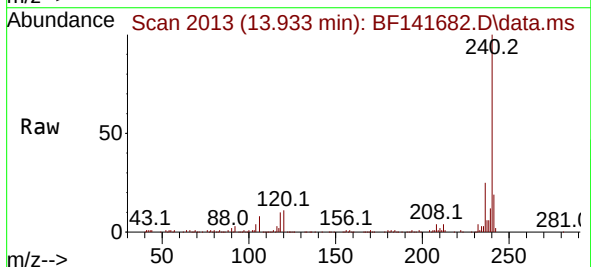
Instrument :
BNA_F
ClientSampleId :
OU4-PCS-TC-07-021725

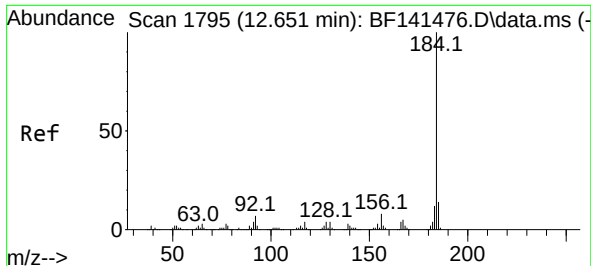
Tgt Ion:248 Resp: 11840
Ion Ratio Lower Upper
248 100
250 199.8 77.8 116.6#
141 493.5 60.6 90.8#



#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.933 min Scan# 2013
Delta R.T. -0.029 min
Lab File: BF141682.D
Acq: 19 Feb 2025 18:42

Tgt Ion:240 Resp: 172870
Ion Ratio Lower Upper
240 100
120 10.7 8.0 12.0
236 24.6 19.8 29.8

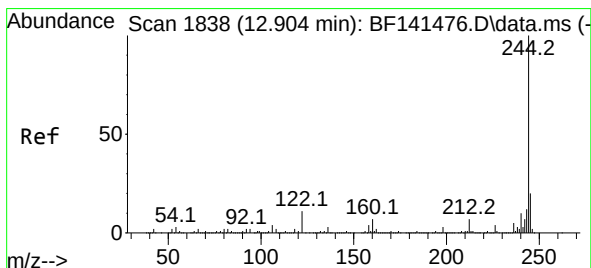
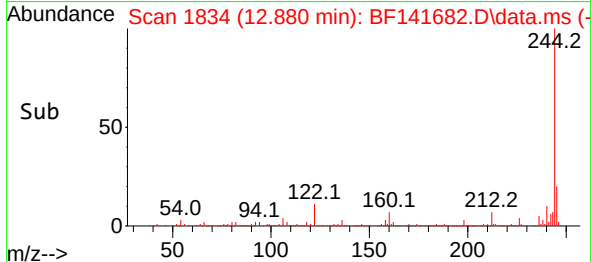
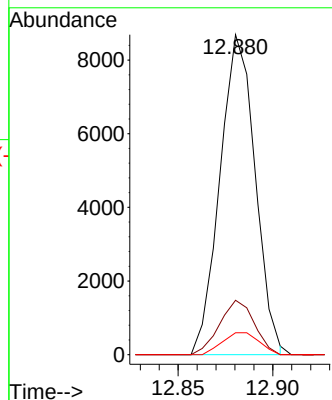
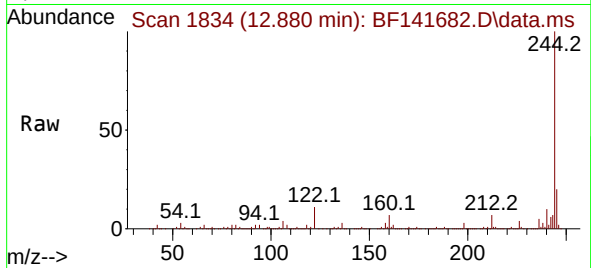




#77
Benzidine
Concen: 2.946 ng
RT: 12.880 min Scan# 1834
Delta R.T. 0.224 min
Lab File: BF141682.D
Acq: 19 Feb 2025 18:42

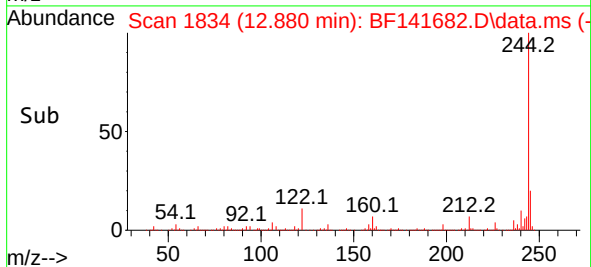
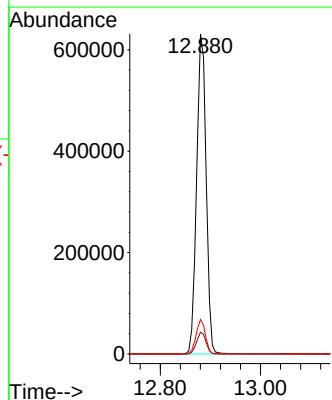
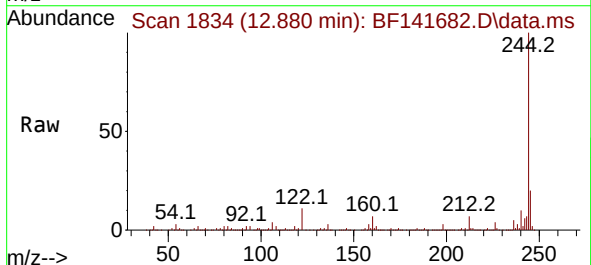
Instrument :
BNA_F
ClientSampleId :
OU4-PCS-TC-07-021725

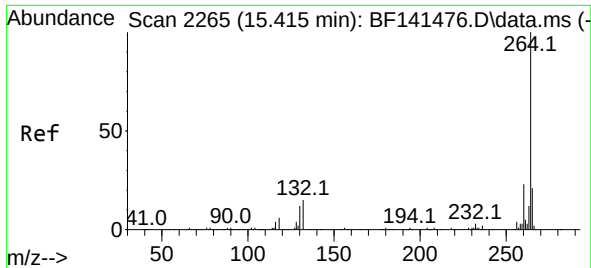
Tgt Ion:184 Resp: 11233
Ion Ratio Lower Upper
184 100
185 17.0 11.3 16.9#
183 6.8 9.3 13.9#



#79
Terphenyl-d14
Concen: 81.100 ng
RT: 12.880 min Scan# 1834
Delta R.T. -0.023 min
Lab File: BF141682.D
Acq: 19 Feb 2025 18:42

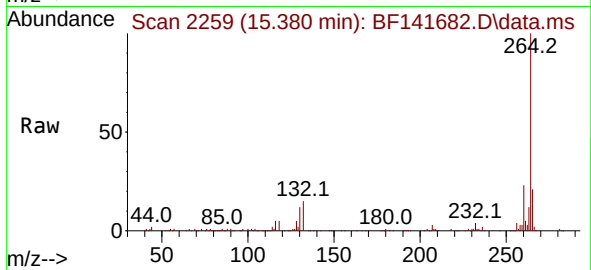
Tgt Ion:244 Resp: 830470
Ion Ratio Lower Upper
244 100
212 6.8 5.6 8.4
122 10.8 8.4 12.6





#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.380 min Scan# 21
 Delta R.T. -0.035 min
 Lab File: BF141682.D
 Acq: 19 Feb 2025 18:42

Instrument :
 BNA_F
 ClientSampleId :
 OU4-PCS-TC-07-021725



Tgt Ion:264 Resp: 160345
 Ion Ratio Lower Upper
 264 100
 260 23.1 18.6 28.0
 265 21.0 17.0 25.4

