

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF021925\
 Data File : BF141679.D
 Acq On : 19 Feb 2025 17:14
 Operator : RC/JU
 Sample : Q1382-07
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 OU4-PCS-TC-04-021725

Quant Time: Feb 20 00:11:25 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)

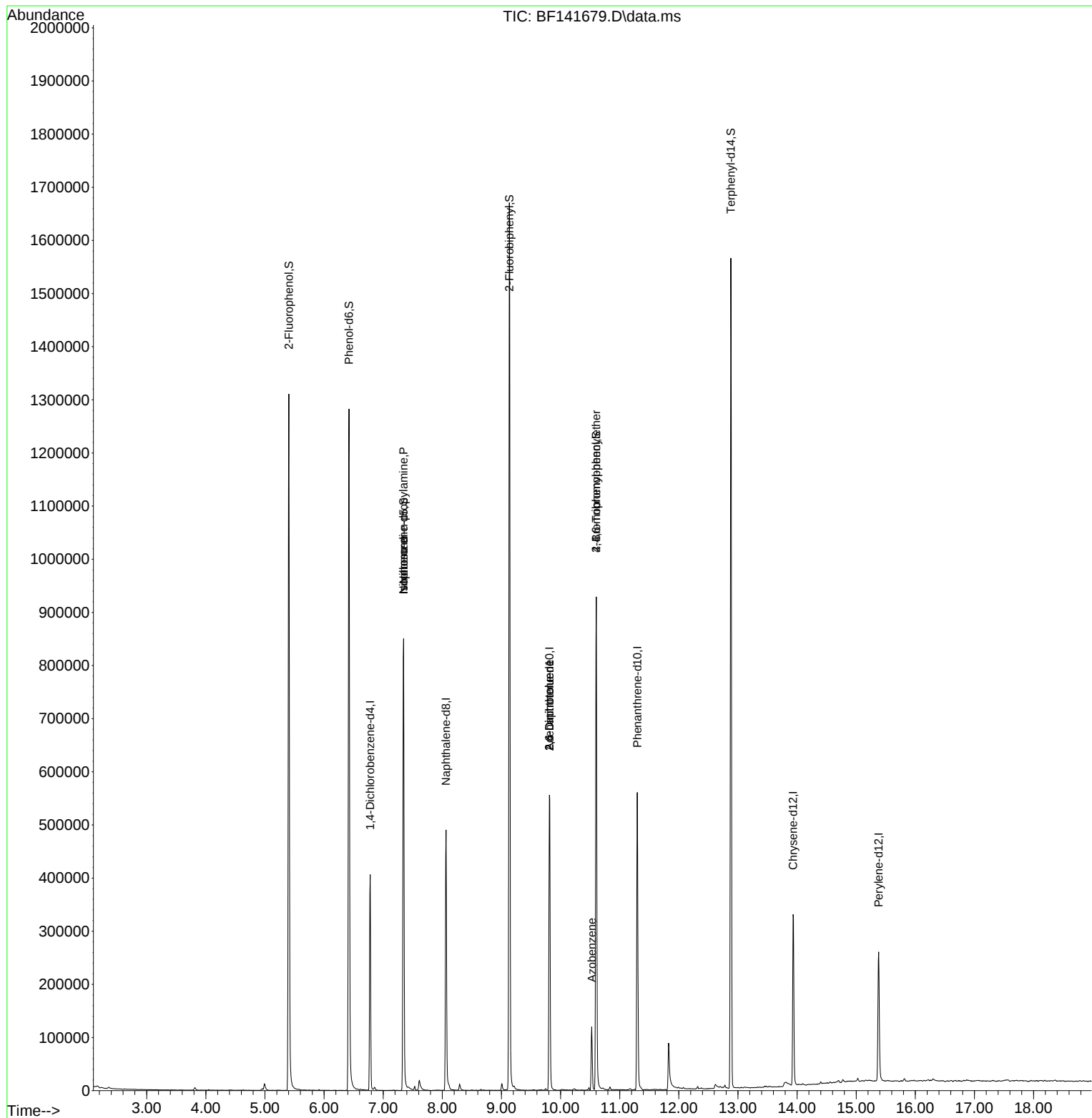
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.781	152	85151	20.000	ng	-0.01
21) Naphthalene-d8	8.063	136	341570	20.000	ng	-0.01
39) Acenaphthene-d10	9.810	164	183291	20.000	ng	-0.02
64) Phenanthrene-d10	11.298	188	309060	20.000	ng	-0.02
76) Chrysene-d12	13.933	240	174657	20.000	ng	-0.03
86) Perylene-d12	15.380	264	157459	20.000	ng	-0.04
System Monitoring Compounds						
5) 2-Fluorophenol	5.404	112	502082	92.440	ng	0.00
7) Phenol-d6	6.422	99	610522	88.934	ng	-0.02
23) Nitrobenzene-d5	7.345	82	400997	61.233	ng	-0.02
42) 2,4,6-Tribromophenol	10.604	330	155812	84.623	ng	-0.02
45) 2-Fluorobiphenyl	9.133	172	752034	63.212	ng	-0.02
79) Terphenyl-d14	12.880	244	770425	74.467	ng	-0.02
Target Compounds						Qvalue
19) n-Nitroso-di-n-propyla...	7.345	70	54085	13.171	ng	# 73
25) Isophorone	7.345	82	391417	37.486	ng	# 66
51) 2,6-Dinitrotoluene	9.810	165	23088	8.488	ng	# 22
57) 2,4-Dinitrotoluene	9.810	165	23089	6.376	ng	# 18
63) Azobenzene	10.527	77	30914	2.540	ng	# 1
67) 4-Bromophenyl-phenylether	10.604	248	11010	3.187	ng	# 1

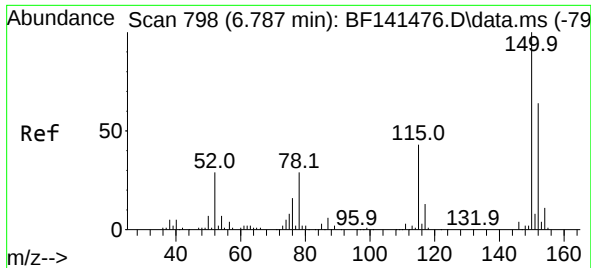
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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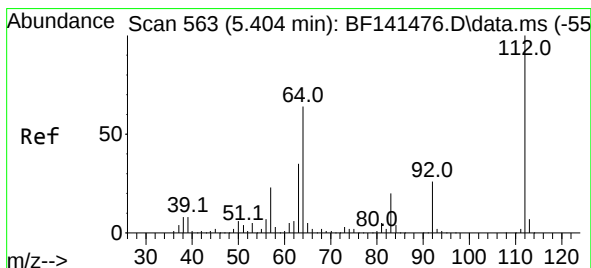
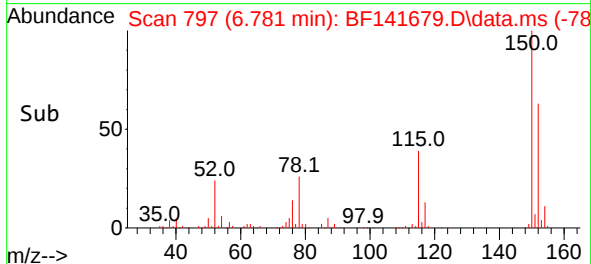
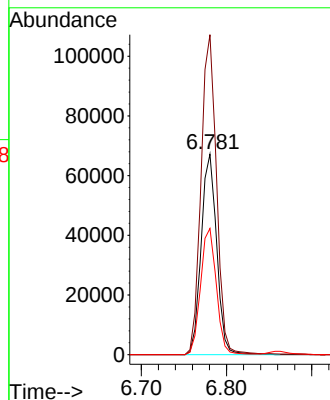
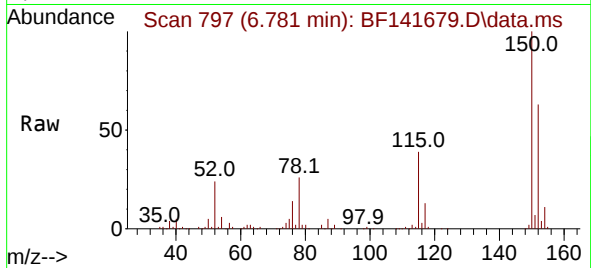




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.781 min Scan# 798
Delta R.T. -0.011 min
Lab File: BF141679.D
Acq: 19 Feb 2025 17:14

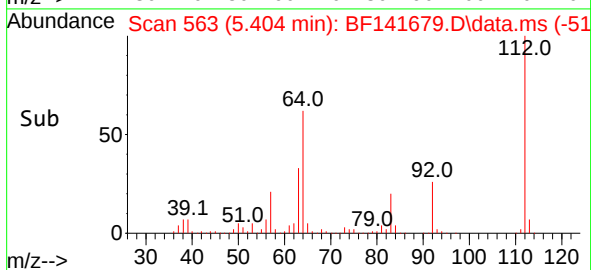
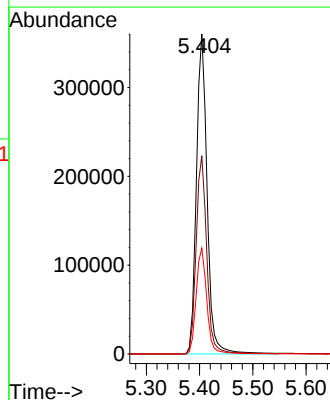
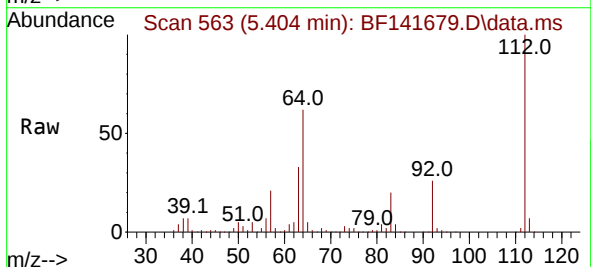
Instrument :
BNA_F
ClientSampleId :
OU4-PCS-TC-04-021725

Tgt Ion:152 Resp: 85151
Ion Ratio Lower Upper
152 100
150 159.6 125.0 187.4
115 63.0 53.6 80.4



#5
2-Fluorophenol
Concen: 92.440 ng
RT: 5.404 min Scan# 563
Delta R.T. -0.006 min
Lab File: BF141679.D
Acq: 19 Feb 2025 17:14

Tgt Ion:112 Resp: 502082
Ion Ratio Lower Upper
112 100
64 61.9 51.1 76.7
63 33.1 28.4 42.6

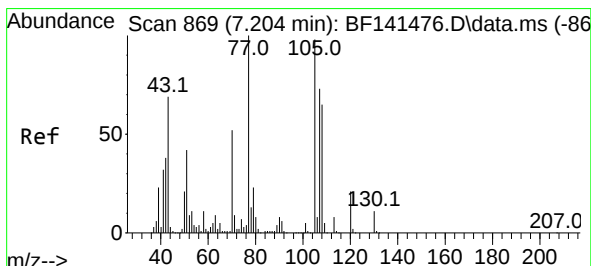
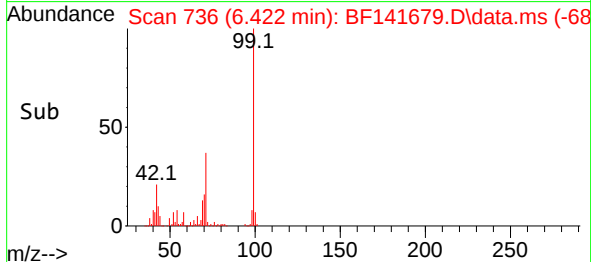
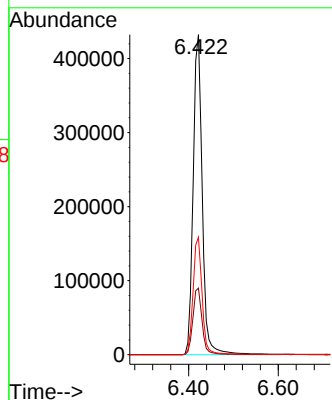
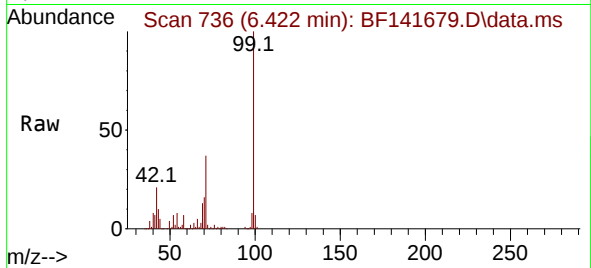




#7
Phenol-d6
Concen: 88.934 ng
RT: 6.422 min Scan# 71
Delta R.T. -0.018 min
Lab File: BF141679.D
Acq: 19 Feb 2025 17:14

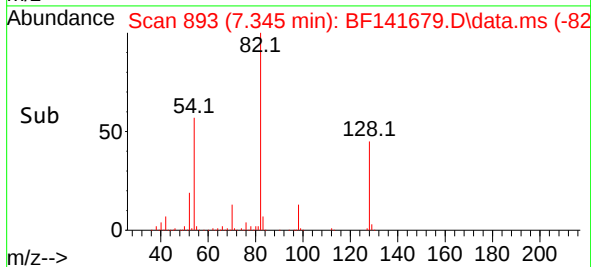
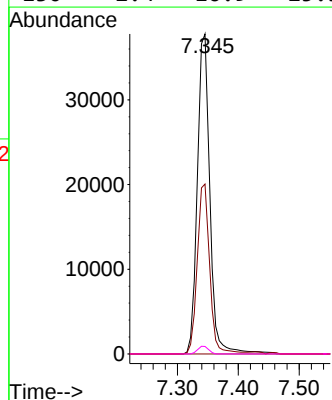
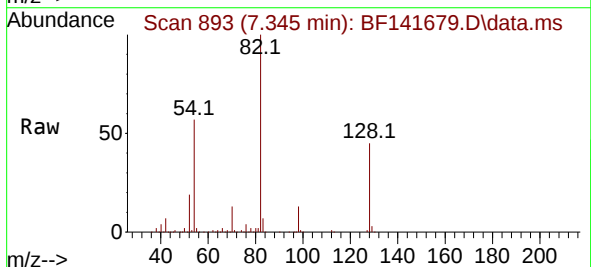
Instrument :
BNA_F
ClientSampleId :
OU4-PCS-TC-04-021725

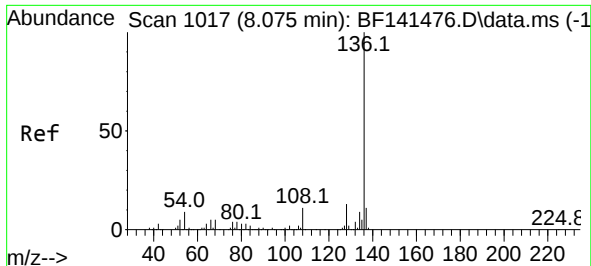
Tgt Ion: 99 Resp: 610522
Ion Ratio Lower Upper
99 100
42 20.8 19.1 28.7
71 36.7 31.1 46.7



#19
n-Nitroso-di-n-propylamine
Concen: 13.171 ng
RT: 7.345 min Scan# 893
Delta R.T. 0.129 min
Lab File: BF141679.D
Acq: 19 Feb 2025 17:14

Tgt Ion: 70 Resp: 54085
Ion Ratio Lower Upper
70 100
42 53.1 57.4 86.2#
101 0.0 8.0 12.0#
130 2.4 16.9 25.3#

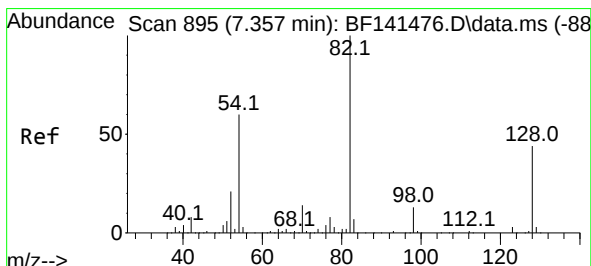
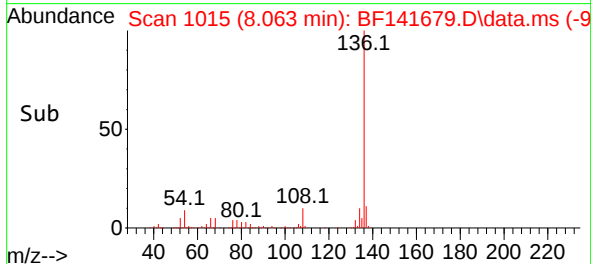
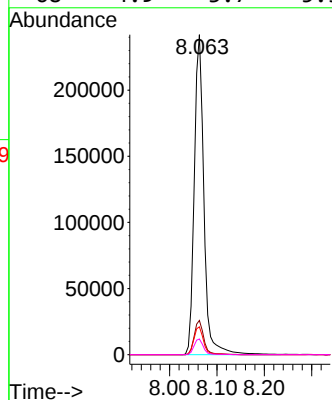
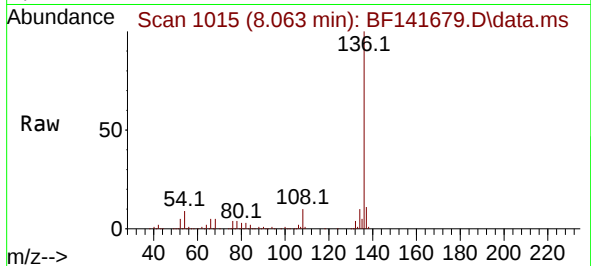




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.063 min Scan# 1015
Delta R.T. -0.012 min
Lab File: BF141679.D
Acq: 19 Feb 2025 17:14

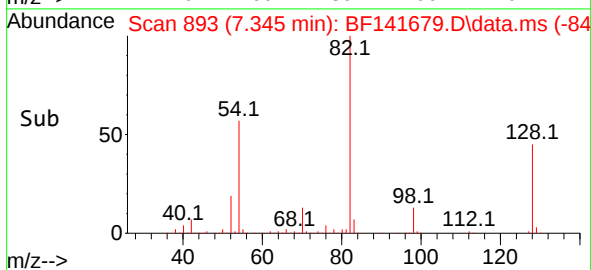
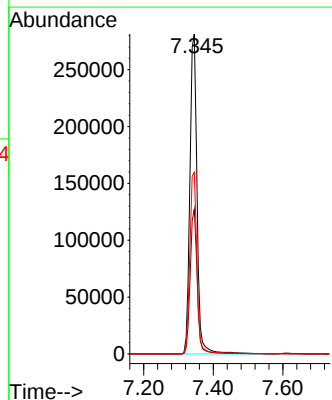
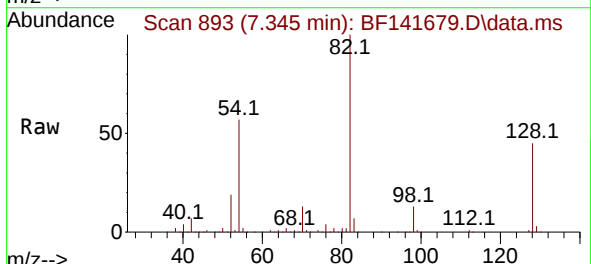
Instrument :
BNA_F
ClientSampleId :
OU4-PCS-TC-04-021725

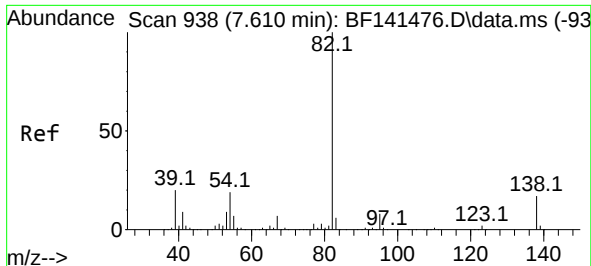
Tgt Ion:136 Resp: 341570
Ion Ratio Lower Upper
136 100
137 10.7 8.6 13.0
54 8.7 7.2 10.8
68 4.9 3.7 5.5



#23
Nitrobenzene-d5
Concen: 61.233 ng
RT: 7.345 min Scan# 893
Delta R.T. -0.018 min
Lab File: BF141679.D
Acq: 19 Feb 2025 17:14

Tgt Ion: 82 Resp: 400997
Ion Ratio Lower Upper
82 100
128 45.2 34.8 52.2
54 56.8 48.2 72.4

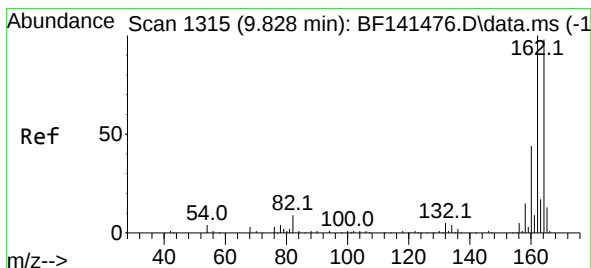
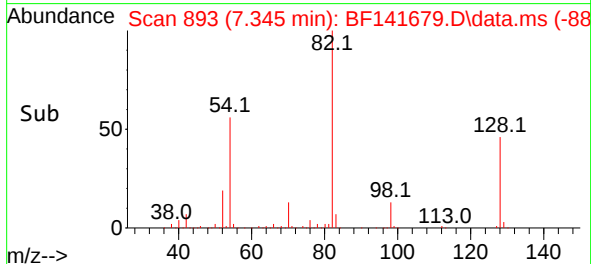
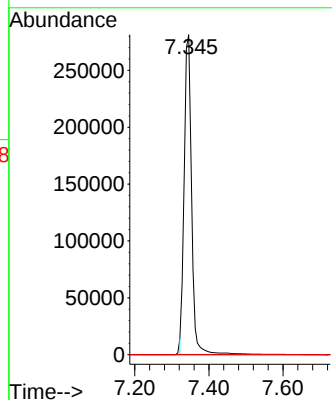
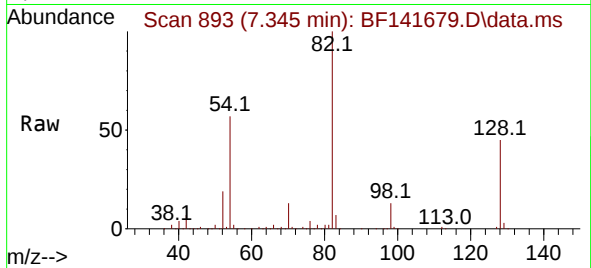




#25
Isophorone
Concen: 37.486 ng
RT: 7.345 min Scan# 89
Delta R.T. -0.276 min
Lab File: BF141679.D
Acq: 19 Feb 2025 17:14

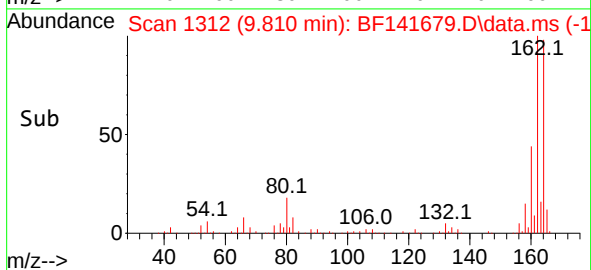
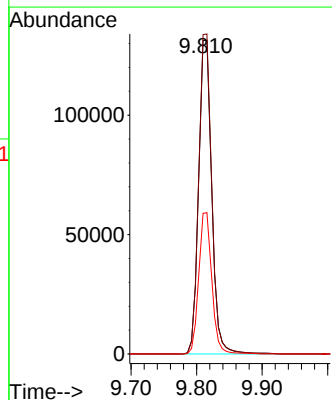
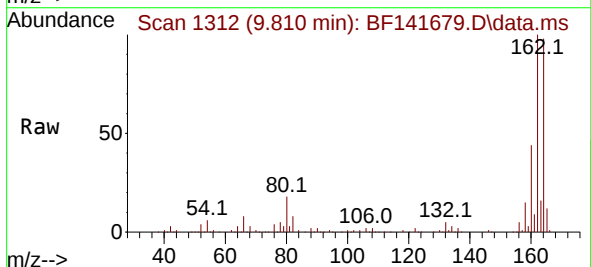
Instrument :
BNA_F
ClientSampleId :
OU4-PCS-TC-04-021725

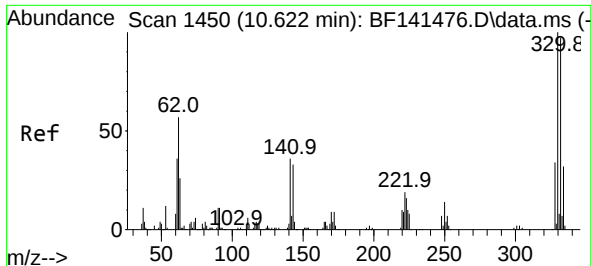
Tgt Ion: 82 Resp: 391417
Ion Ratio Lower Upper
82 100
95 0.0 6.4 9.6#
138 0.0 13.9 20.9#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.810 min Scan# 1312
Delta R.T. -0.024 min
Lab File: BF141679.D
Acq: 19 Feb 2025 17:14

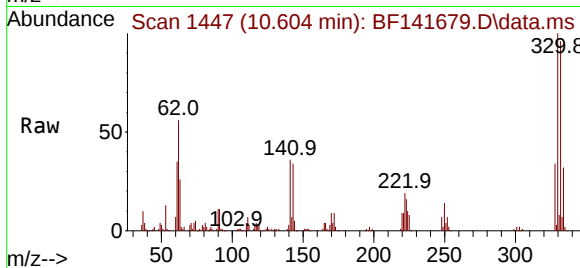
Tgt Ion:164 Resp: 183291
Ion Ratio Lower Upper
164 100
162 101.9 81.3 121.9
160 44.8 35.9 53.9



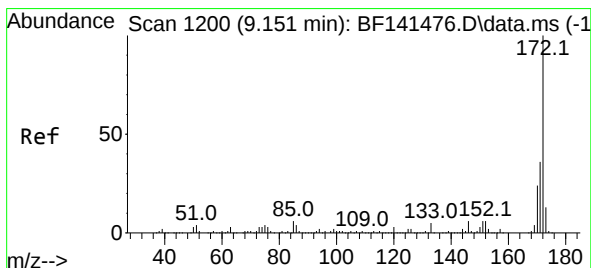
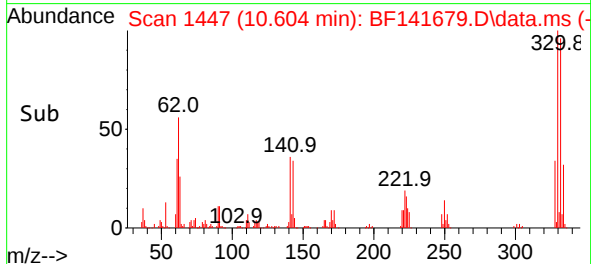
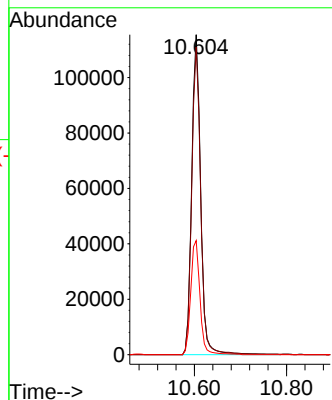


#42
2,4,6-Tribromophenol
Concen: 84.623 ng
RT: 10.604 min Scan# 1447
Delta R.T. -0.024 min
Lab File: BF141679.D
Acq: 19 Feb 2025 17:14

Instrument :
BNA_F
ClientSampleId :
OU4-PCS-TC-04-021725

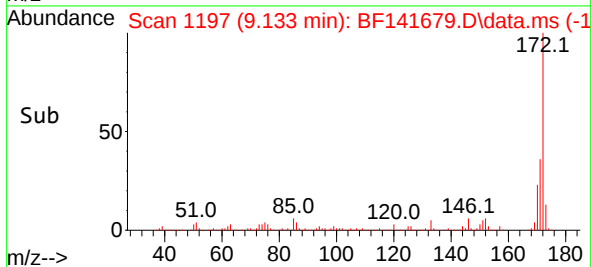
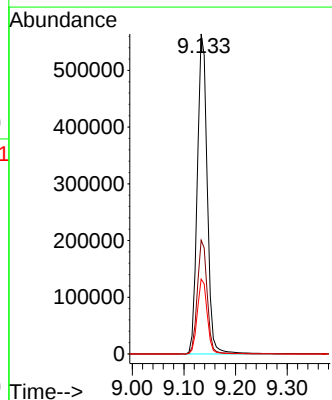
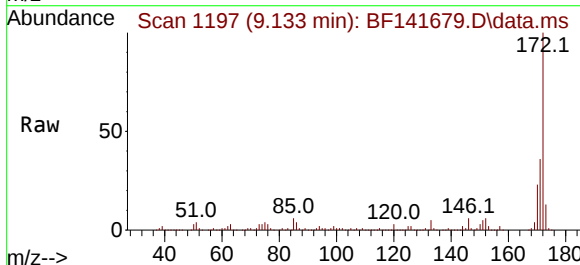


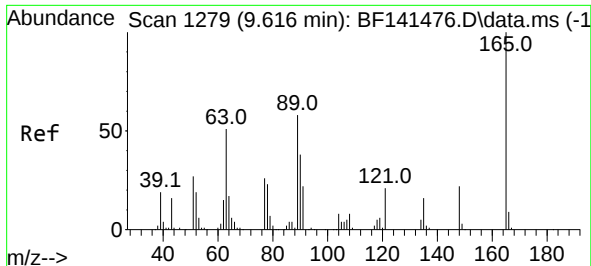
Tgt Ion:330 Resp: 155812
Ion Ratio Lower Upper
330 100
332 96.4 78.5 117.7
141 36.7 31.0 46.4



#45
2-Fluorobiphenyl
Concen: 63.212 ng
RT: 9.133 min Scan# 1197
Delta R.T. -0.018 min
Lab File: BF141679.D
Acq: 19 Feb 2025 17:14

Tgt Ion:172 Resp: 752034
Ion Ratio Lower Upper
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171 35.6 28.7 43.1
170 23.4 18.9 28.3

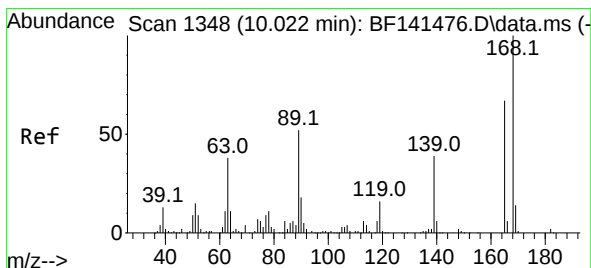
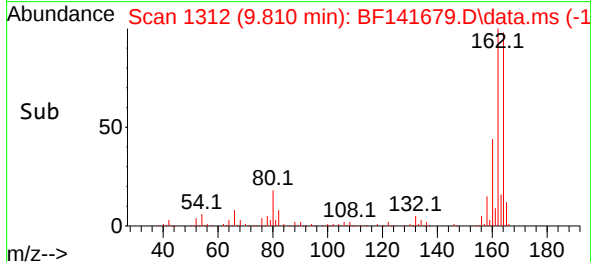
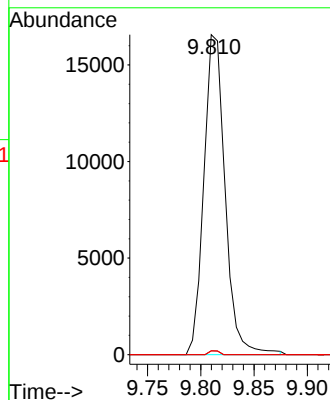
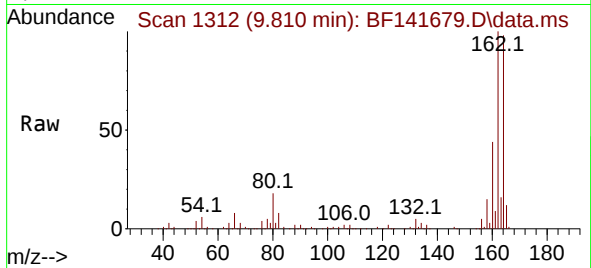




#51
2,6-Dinitrotoluene
Concen: 8.488 ng
RT: 9.810 min Scan# 11
Delta R.T. 0.188 min
Lab File: BF141679.D
Acq: 19 Feb 2025 17:14

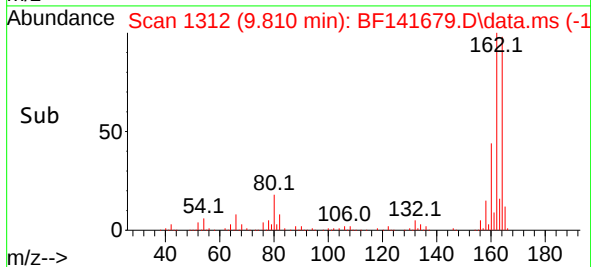
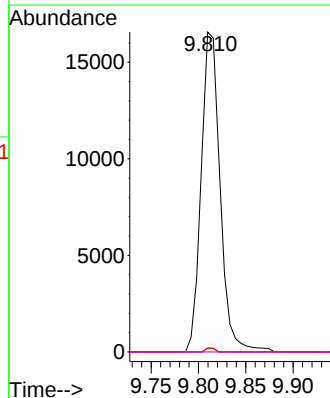
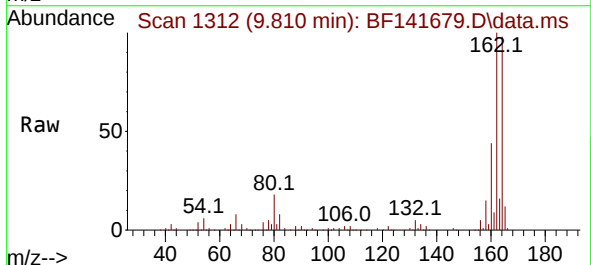
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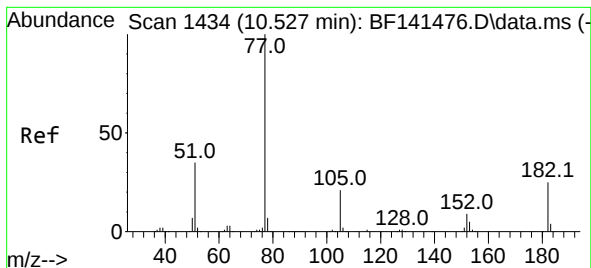
Tgt Ion:165 Resp: 23088
Ion Ratio Lower Upper
165 100
63 1.2 49.4 74.0#
89 1.2 46.5 69.7#



#57
2,4-Dinitrotoluene
Concen: 6.376 ng
RT: 9.810 min Scan# 1312
Delta R.T. -0.218 min
Lab File: BF141679.D
Acq: 19 Feb 2025 17:14

Tgt Ion:165 Resp: 23089
Ion Ratio Lower Upper
165 100
63 1.2 46.4 69.6#
89 1.2 61.8 92.6#
182 0.0 2.2 3.2#





#63

Azobenzene

Concen: 2.540 ng

RT: 10.527 min Scan# 1434

Delta R.T. -0.006 min

Lab File: BF141679.D

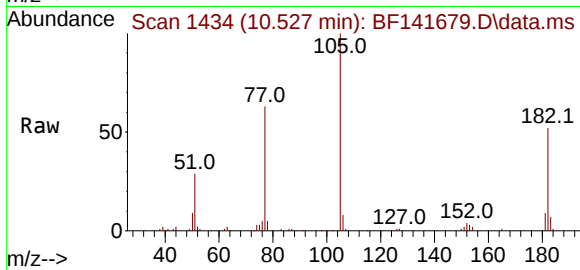
Acq: 19 Feb 2025 17:14

Instrument :

BNA_F

ClientSampleId :

OU4-PCS-TC-04-021725



Tgt Ion: 77 Resp: 30914

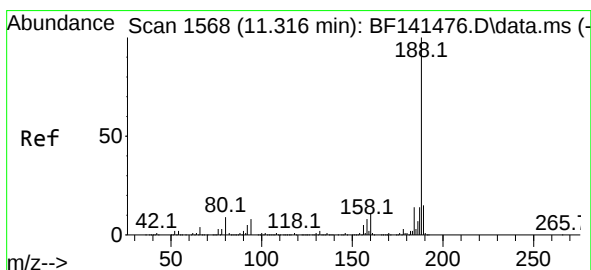
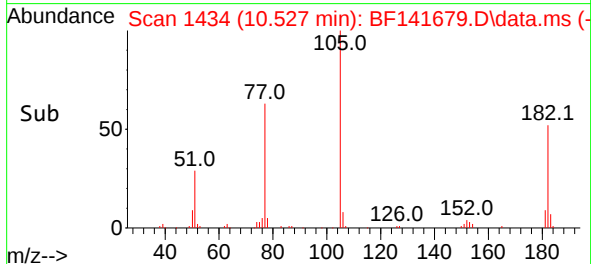
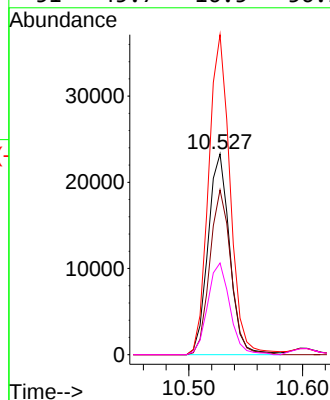
Ion Ratio Lower Upper

77 100

182 82.1 4.7 44.7#

105 159.3 0.4 40.4#

51 45.7 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: BF141679.D

Acq: 19 Feb 2025 17:14

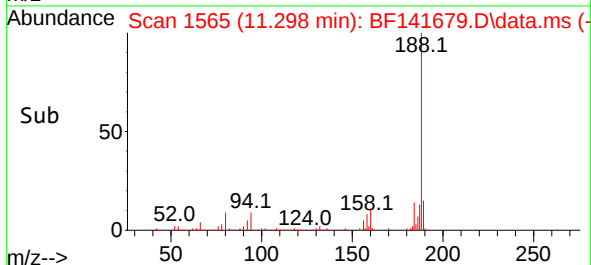
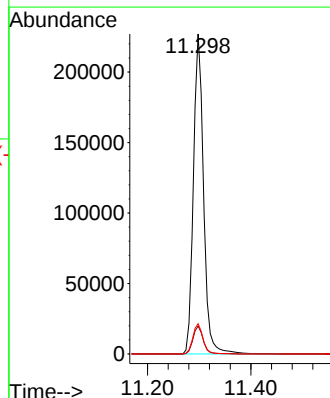
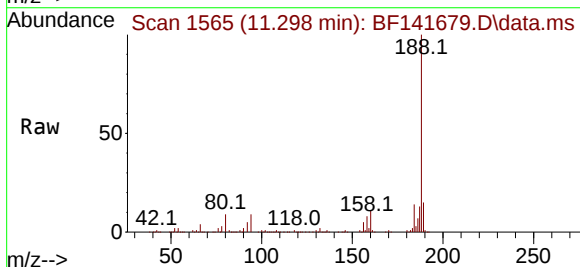
Tgt Ion: 188 Resp: 309060

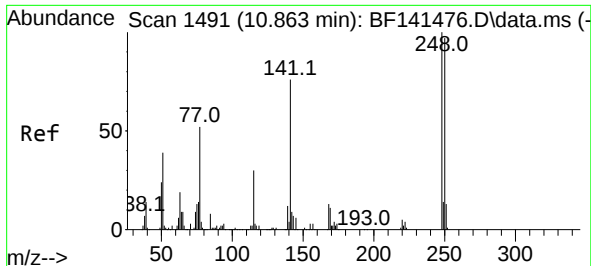
Ion Ratio Lower Upper

188 100

94 8.7 6.6 10.0

80 9.4 7.3 10.9

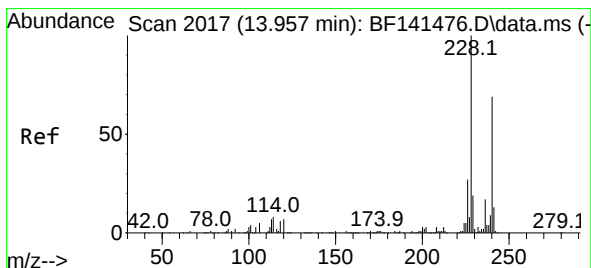
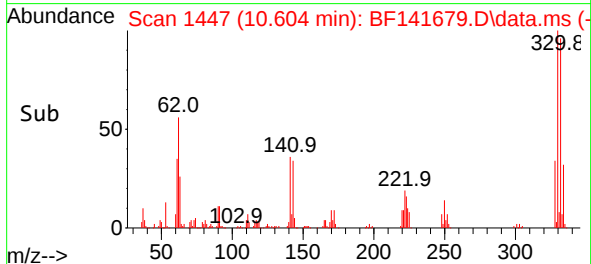
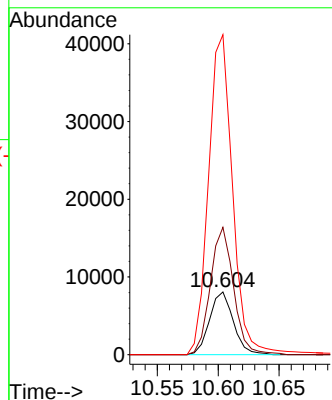
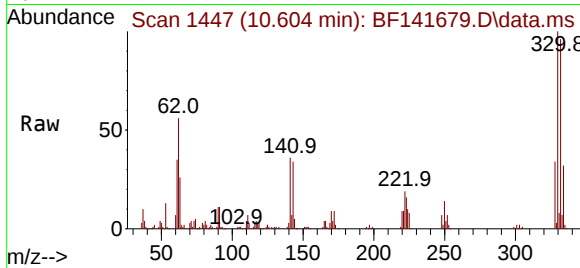




#67
4-Bromophenyl-phenylether
Concen: 3.187 ng
RT: 10.604 min Scan# 1491
Delta R.T. -0.259 min
Lab File: BF141679.D
Acq: 19 Feb 2025 17:14

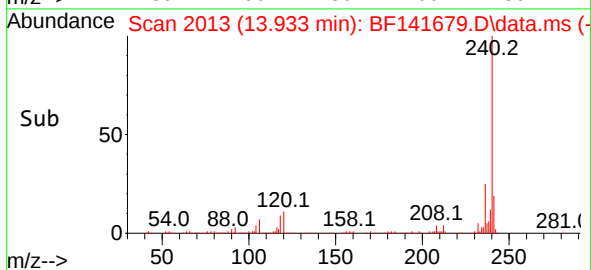
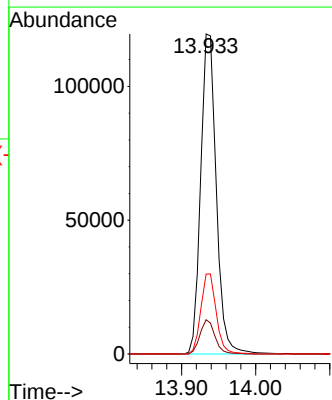
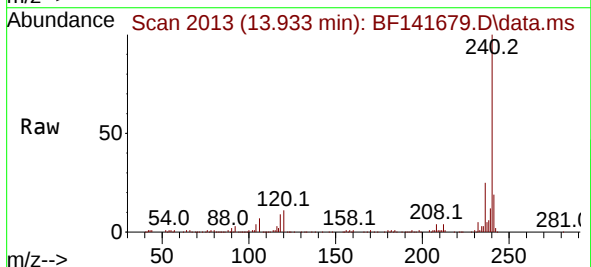
Instrument :
BNA_F
ClientSampleId :
OU4-PCS-TC-04-021725

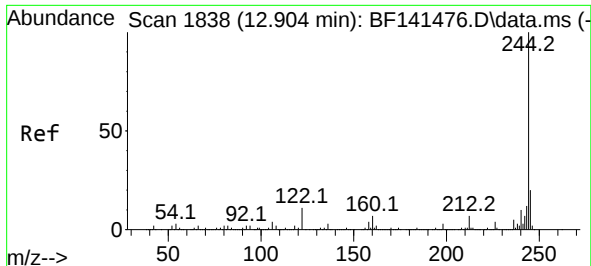
Tgt Ion:248 Resp: 11010
Ion Ratio Lower Upper
248 100
250 203.1 77.8 116.6#
141 510.2 60.6 90.8#



#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.933 min Scan# 2013
Delta R.T. -0.029 min
Lab File: BF141679.D
Acq: 19 Feb 2025 17:14

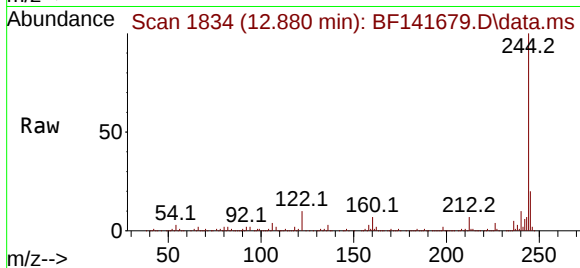
Tgt Ion:240 Resp: 174657
Ion Ratio Lower Upper
240 100
120 10.7 8.0 12.0
236 24.9 19.8 29.8



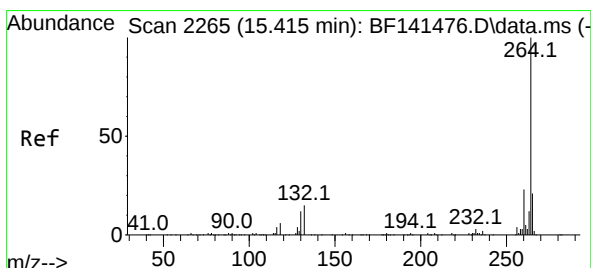
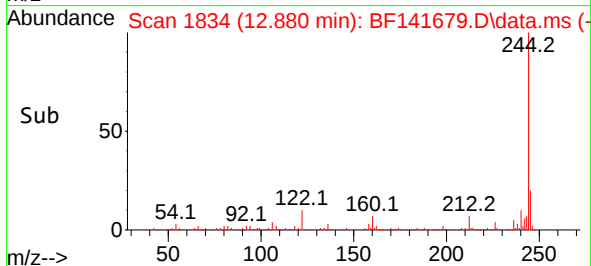
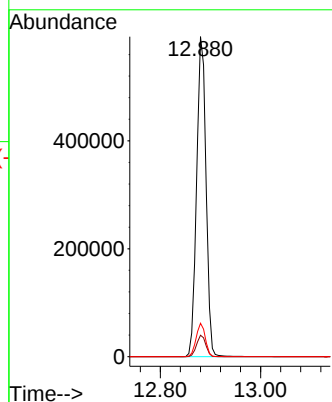


#79
 Terphenyl-d14
 Concen: 74.467 ng
 RT: 12.880 min Scan# 11
 Delta R.T. -0.024 min
 Lab File: BF141679.D
 Acq: 19 Feb 2025 17:14

Instrument :
 BNA_F
 ClientSampleId :
 OU4-PCS-TC-04-021725



Tgt Ion:244 Resp: 770425
 Ion Ratio Lower Upper
 244 100
 212 6.7 5.6 8.4
 122 10.4 8.4 12.6



#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.380 min Scan# 2259
 Delta R.T. -0.035 min
 Lab File: BF141679.D
 Acq: 19 Feb 2025 17:14

Tgt Ion:264 Resp: 157459
 Ion Ratio Lower Upper
 264 100
 260 23.5 18.6 28.0
 265 21.0 17.0 25.4

