

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF021925\
 Data File : BF141690.D
 Acq On : 19 Feb 2025 22:37
 Operator : RC/JU
 Sample : Q1383-09
 Misc :
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 OU4-PCS-TC-15-021725

Quant Time: Feb 20 00:16:04 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)

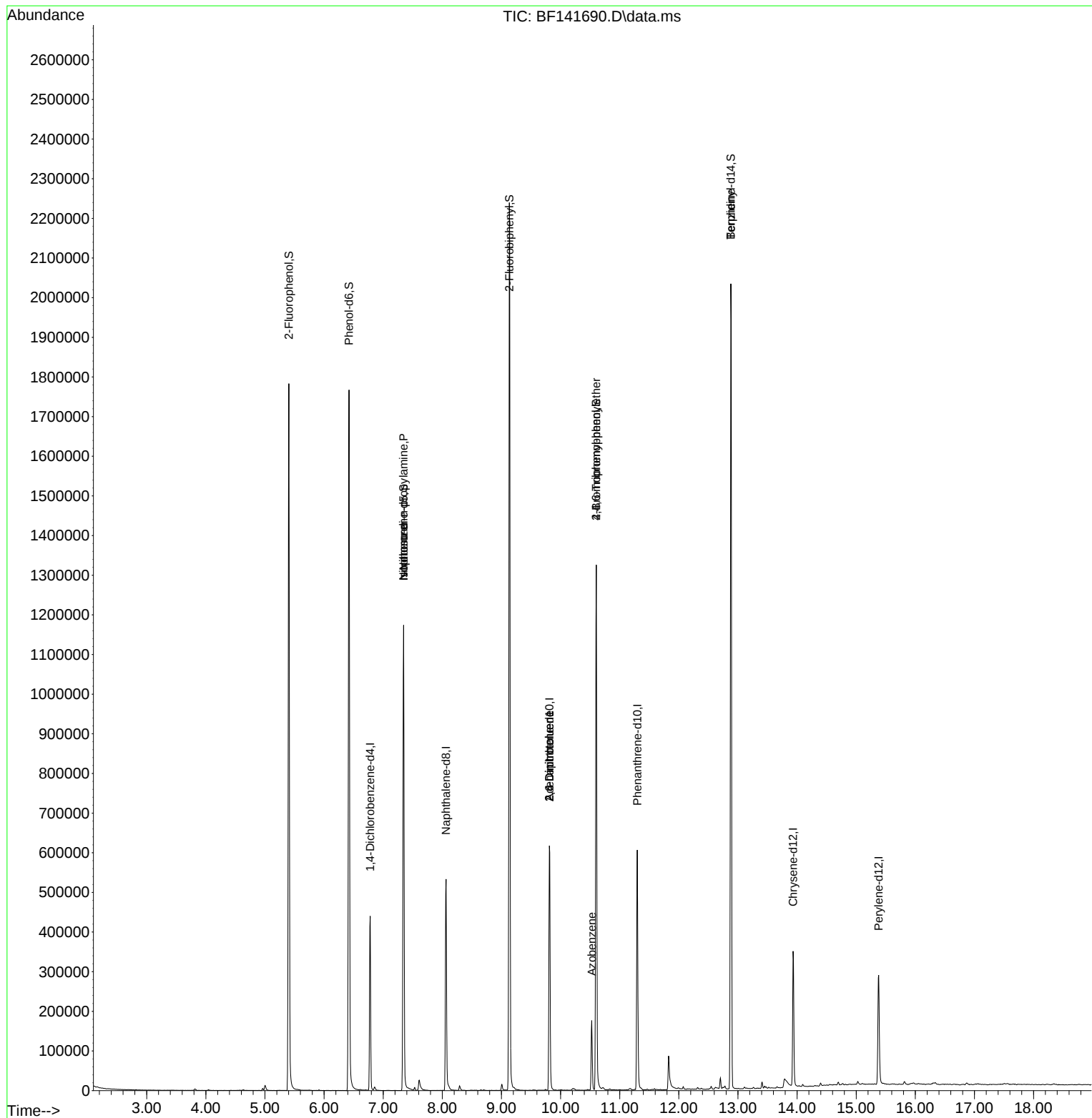
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.781	152	93977	20.000	ng	-0.01
21) Naphthalene-d8	8.063	136	374022	20.000	ng	-0.01
39) Acenaphthene-d10	9.810	164	200098	20.000	ng	-0.02
64) Phenanthrene-d10	11.298	188	336579	20.000	ng	-0.02
76) Chrysene-d12	13.933	240	182552	20.000	ng	-0.03
86) Perylene-d12	15.380	264	183803	20.000	ng	-0.04
System Monitoring Compounds						
5) 2-Fluorophenol	5.404	112	673535	112.360	ng	0.00
7) Phenol-d6	6.422	99	839637	110.822	ng	-0.02
23) Nitrobenzene-d5	7.345	82	547127	76.298	ng	-0.02
42) 2,4,6-Tribromophenol	10.604	330	225226	112.049	ng	-0.02
45) 2-Fluorobiphenyl	9.133	172	1041995	80.228	ng	-0.02
79) Terphenyl-d14	12.880	244	1043224	96.473	ng	-0.02
Target Compounds						
						Qvalue
19) n-Nitroso-di-n-propyla...	7.345	70	73789	16.282	ng	# 73
25) Isophorone	7.345	82	535542	46.838	ng	# 66
51) 2,6-Dinitrotoluene	9.810	165	26031	8.766	ng	# 22
57) 2,4-Dinitrotoluene	9.810	165	26031	6.585	ng	# 19
63) Azobenzene	10.527	77	44996	3.387	ng	# 1
67) 4-Bromophenyl-phenylether	10.604	248	15255	4.055	ng	# 1
77) Benzidine	12.880	184	13638	3.387	ng	# 93

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

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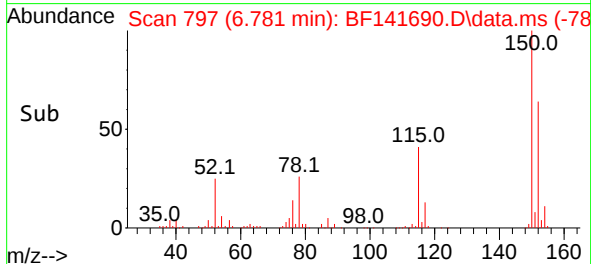
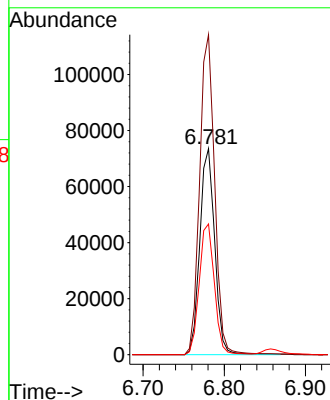
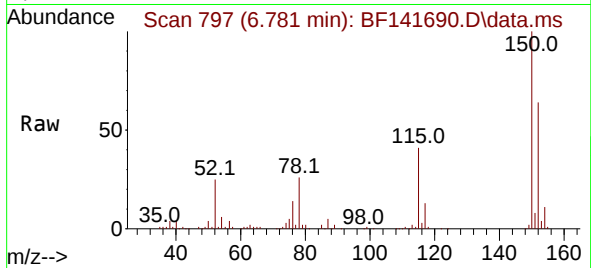




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.781 min Scan# 798
Delta R.T. -0.011 min
Lab File: BF141690.D
Acq: 19 Feb 2025 22:37

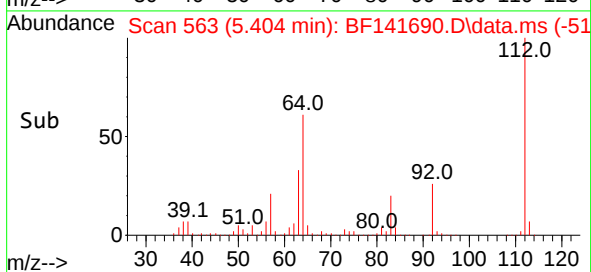
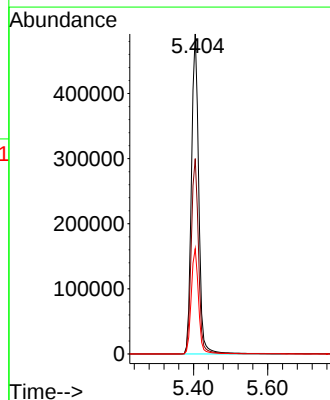
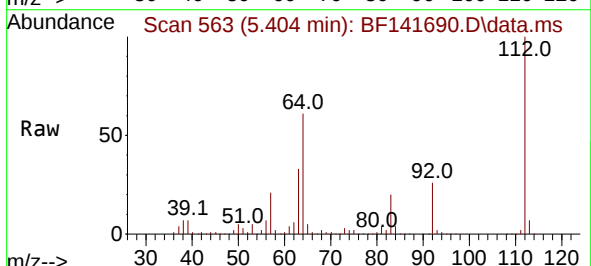
Instrument :
BNA_F
ClientSampleId :
OU4-PCS-TC-15-021725

Tgt Ion:152 Resp: 93977
Ion Ratio Lower Upper
152 100
150 155.2 125.0 187.4
115 63.4 53.6 80.4



#5
2-Fluorophenol
Concen: 112.360 ng
RT: 5.404 min Scan# 563
Delta R.T. -0.006 min
Lab File: BF141690.D
Acq: 19 Feb 2025 22:37

Tgt Ion:112 Resp: 673535
Ion Ratio Lower Upper
112 100
64 61.1 51.1 76.7
63 32.9 28.4 42.6

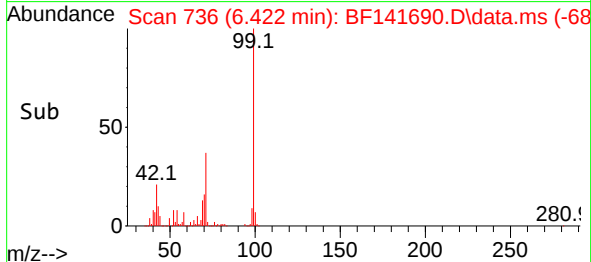
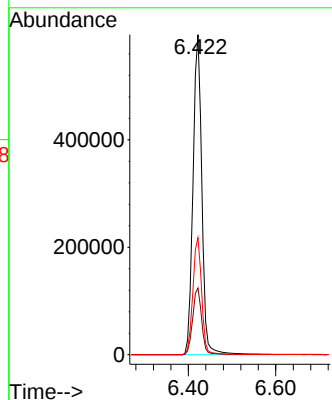
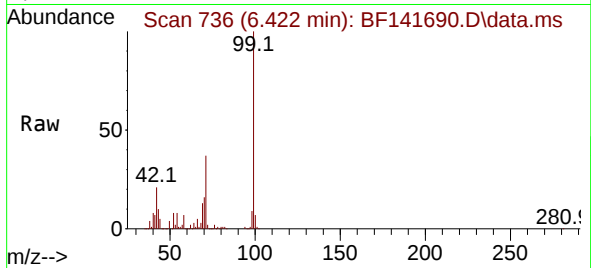




#7
Phenol-d6
Concen: 110.822 ng
RT: 6.422 min Scan# 71
Delta R.T. -0.018 min
Lab File: BF141690.D
Acq: 19 Feb 2025 22:37

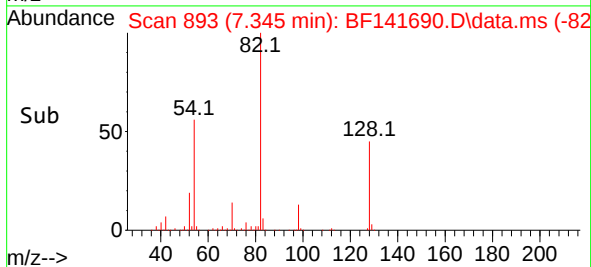
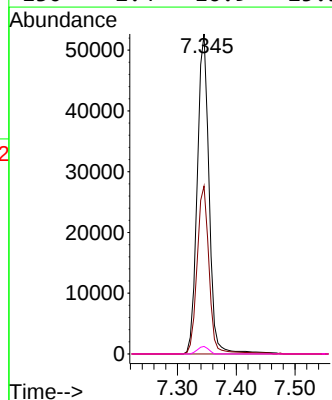
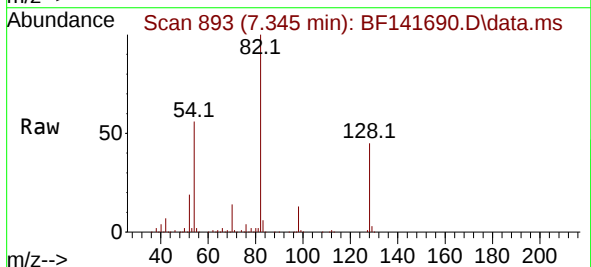
Instrument :
BNA_F
ClientSampleId :
OU4-PCS-TC-15-021725

Tgt Ion: 99 Resp: 839637
Ion Ratio Lower Upper
99 100
42 20.9 19.1 28.7
71 36.6 31.1 46.7



#19
n-Nitroso-di-n-propylamine
Concen: 16.282 ng
RT: 7.345 min Scan# 893
Delta R.T. 0.129 min
Lab File: BF141690.D
Acq: 19 Feb 2025 22:37

Tgt Ion: 70 Resp: 73789
Ion Ratio Lower Upper
70 100
42 52.4 57.4 86.2#
101 0.0 8.0 12.0#
130 2.4 16.9 25.3#

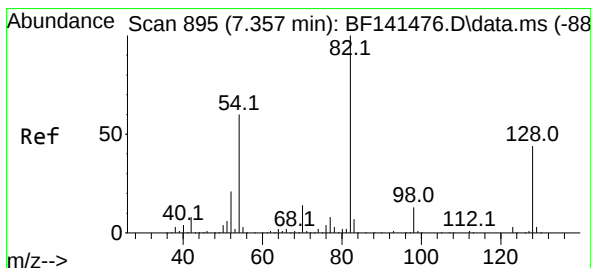
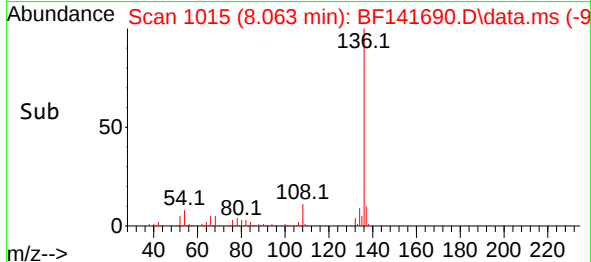
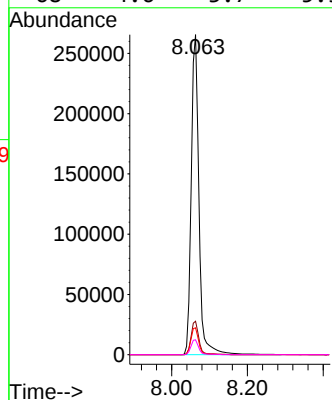
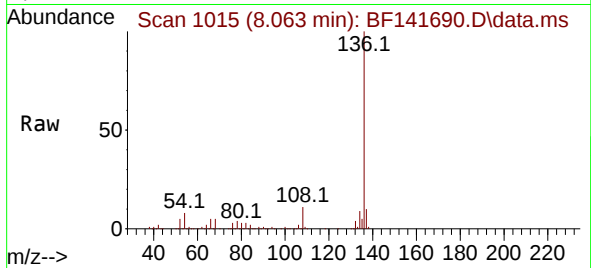




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.063 min Scan# 1015
Delta R.T. -0.012 min
Lab File: BF141690.D
Acq: 19 Feb 2025 22:37

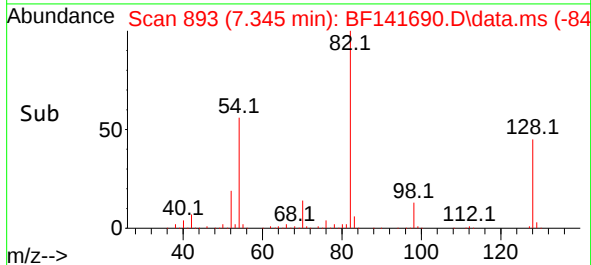
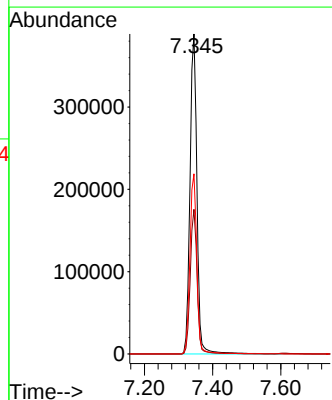
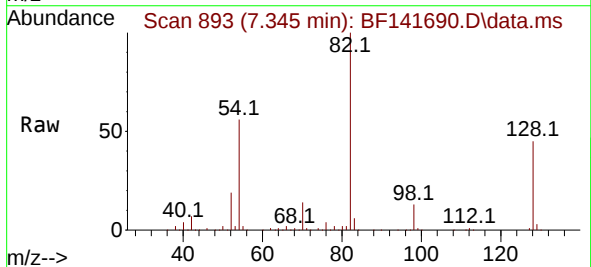
Instrument :
BNA_F
ClientSampleId :
OU4-PCS-TC-15-021725

Tgt Ion:	136	Resp:	374022
Ion Ratio	Lower	Upper	
136	100		
137	10.5	8.6	13.0
54	8.4	7.2	10.8
68	4.6	3.7	5.5



#23
Nitrobenzene-d5
Concen: 76.298 ng
RT: 7.345 min Scan# 893
Delta R.T. -0.018 min
Lab File: BF141690.D
Acq: 19 Feb 2025 22:37

Tgt Ion:	82	Resp:	547127
Ion Ratio	Lower	Upper	
82	100		
128	45.2	34.8	52.2
54	56.3	48.2	72.4

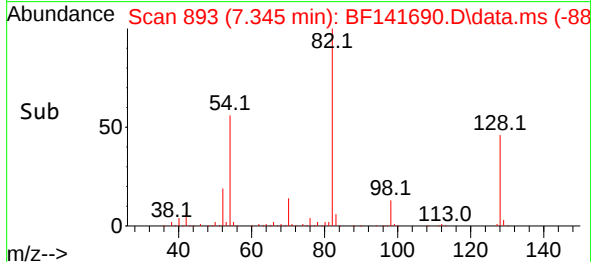
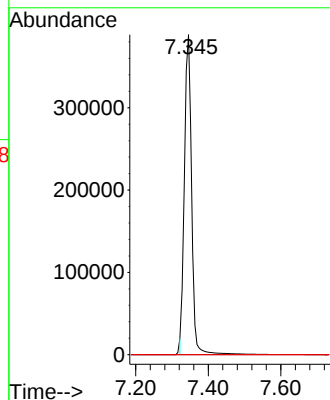
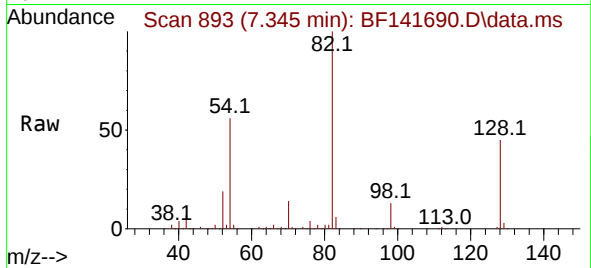




#25
Isophorone
Concen: 46.838 ng
RT: 7.345 min Scan# 893
Delta R.T. -0.276 min
Lab File: BF141690.D
Acq: 19 Feb 2025 22:37

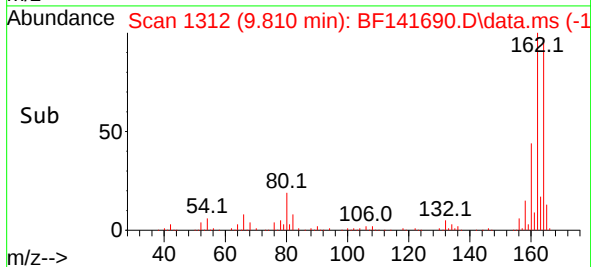
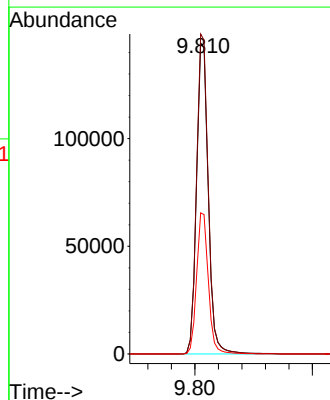
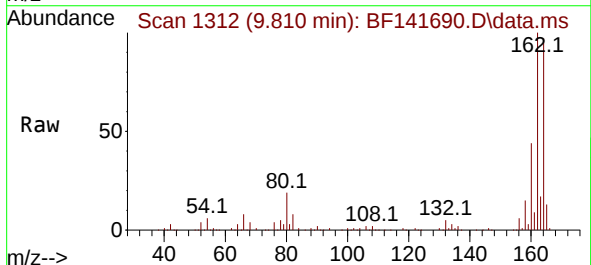
Instrument :
BNA_F
ClientSampleId :
OU4-PCS-TC-15-021725

Tgt Ion: 82 Resp: 535542
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: BF141690.D
Acq: 19 Feb 2025 22:37

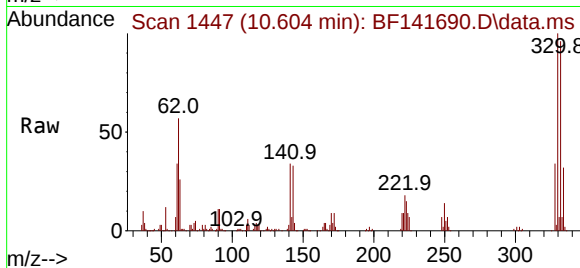
Tgt Ion:164 Resp: 200098
Ion Ratio Lower Upper
164 100
162 102.9 81.3 121.9
160 45.4 35.9 53.9



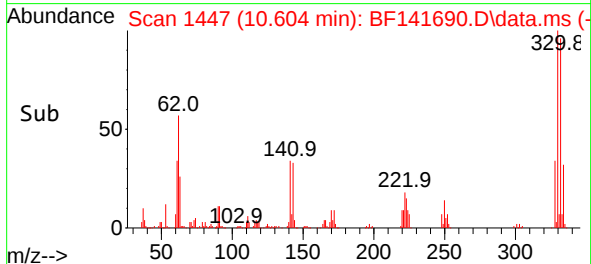
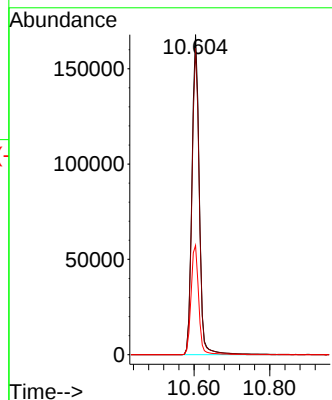


#42
2,4,6-Tribromophenol
Concen: 112.049 ng
RT: 10.604 min Scan# 1447
Delta R.T. -0.024 min
Lab File: BF141690.D
Acq: 19 Feb 2025 22:37

Instrument :
BNA_F
ClientSampleId :
OU4-PCS-TC-15-021725

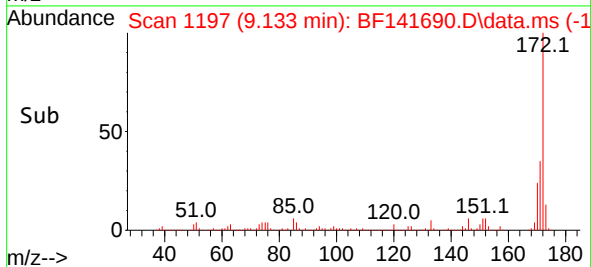
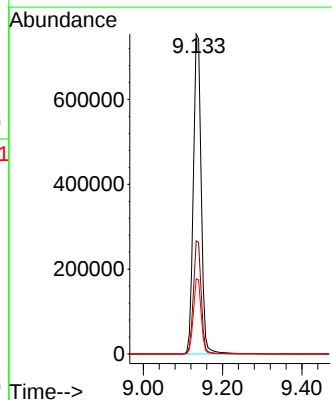
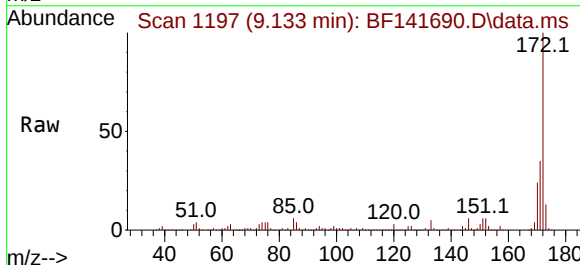


Tgt Ion:330 Resp: 225226
Ion Ratio Lower Upper
330 100
332 95.7 78.5 117.7
141 35.3 31.0 46.4



#45
2-Fluorobiphenyl
Concen: 80.228 ng
RT: 9.133 min Scan# 1197
Delta R.T. -0.018 min
Lab File: BF141690.D
Acq: 19 Feb 2025 22:37

Tgt Ion:172 Resp: 1041995
Ion Ratio Lower Upper
172 100
171 35.4 28.7 43.1
170 23.5 18.9 28.3





#51

2,6-Dinitrotoluene

Concen: 8.766 ng

RT: 9.810 min Scan# 11

Delta R.T. 0.188 min

Lab File: BF141690.D

Acq: 19 Feb 2025 22:37

Instrument :

BNA_F

ClientSampleId :

OU4-PCS-TC-15-021725

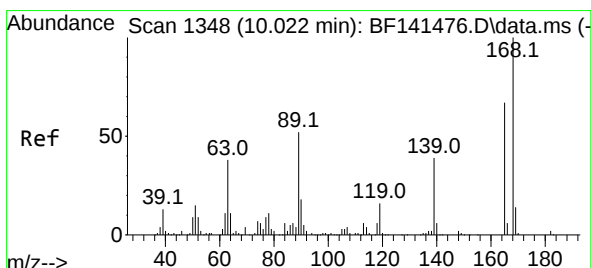
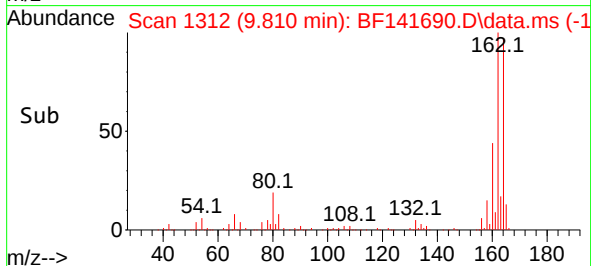
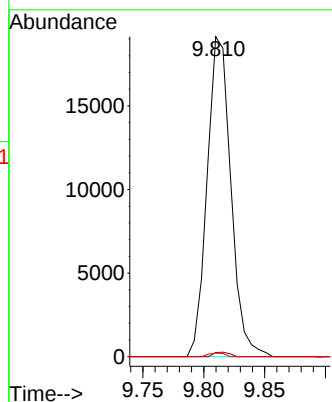
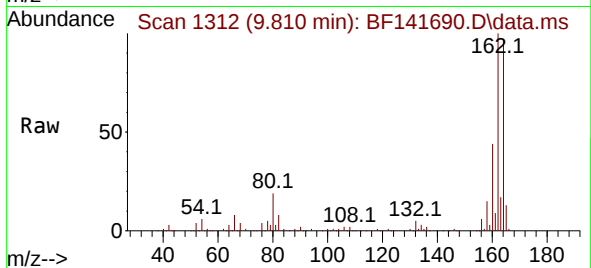
Tgt Ion:165 Resp: 26031

Ion Ratio Lower Upper

165 100

63 1.3 49.4 74.0#

89 1.1 46.5 69.7#



#57

2,4-Dinitrotoluene

Concen: 6.585 ng

RT: 9.810 min Scan# 1312

Delta R.T. -0.218 min

Lab File: BF141690.D

Acq: 19 Feb 2025 22:37

Tgt Ion:165 Resp: 26031

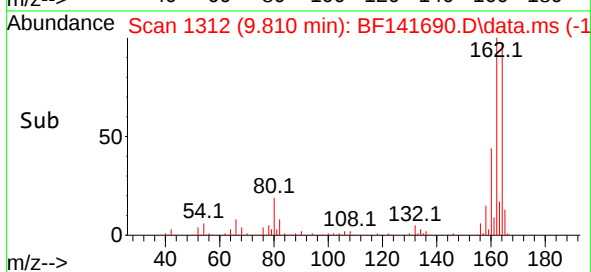
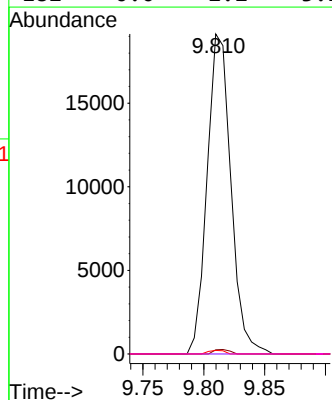
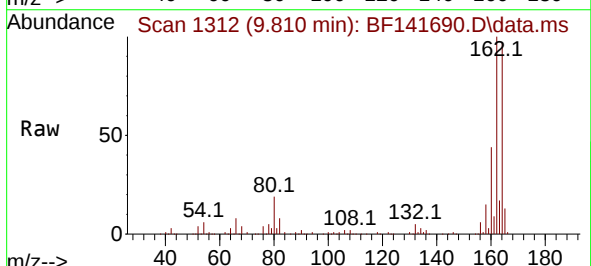
Ion Ratio Lower Upper

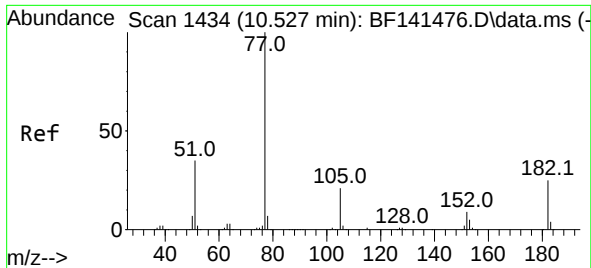
165 100

63 1.3 46.4 69.6#

89 1.1 61.8 92.6#

182 0.0 2.2 3.2#

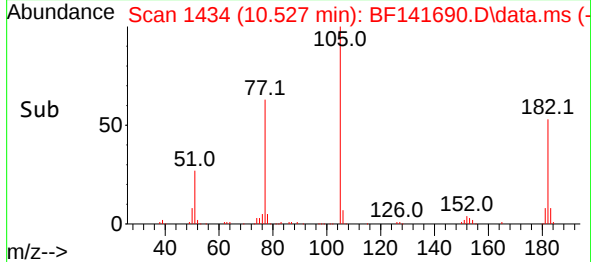
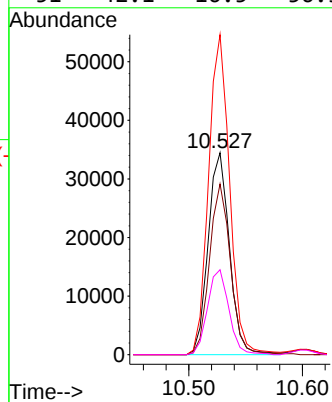
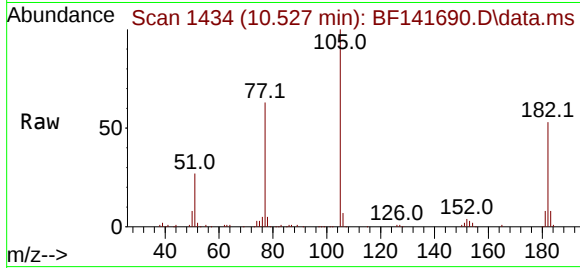




#63
Azobenzene
Concen: 3.387 ng
RT: 10.527 min Scan# 1434
Delta R.T. -0.006 min
Lab File: BF141690.D
Acq: 19 Feb 2025 22:37

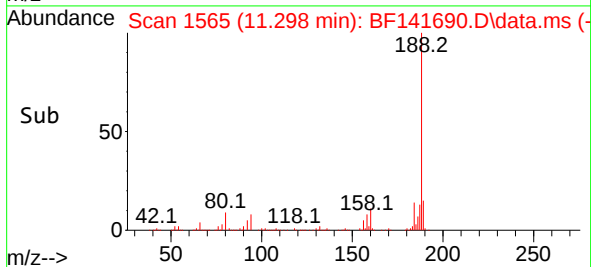
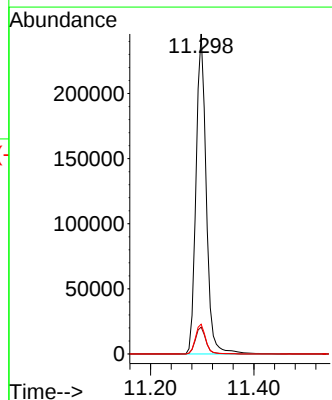
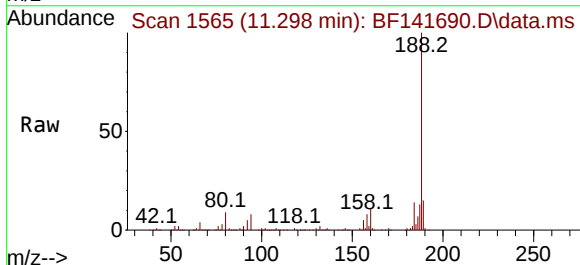
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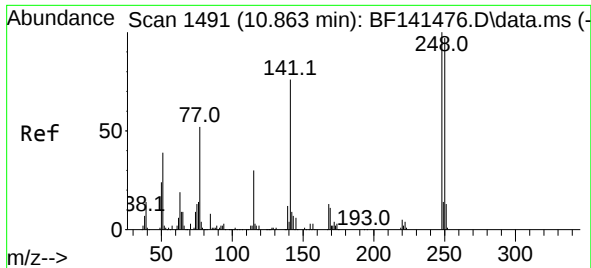
Tgt Ion: 77	Resp: 44996
Ion Ratio	Lower Upper
77 100	
182 84.6	4.7 44.7#
105 158.5	0.4 40.4#
51 42.1	16.5 56.5



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.298 min Scan# 1565
Delta R.T. -0.018 min
Lab File: BF141690.D
Acq: 19 Feb 2025 22:37

Tgt Ion: 188	Resp: 336579
Ion Ratio	Lower Upper
188 100	
94 8.4	6.6 10.0
80 9.3	7.3 10.9

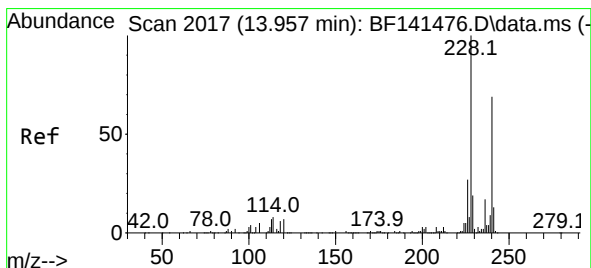
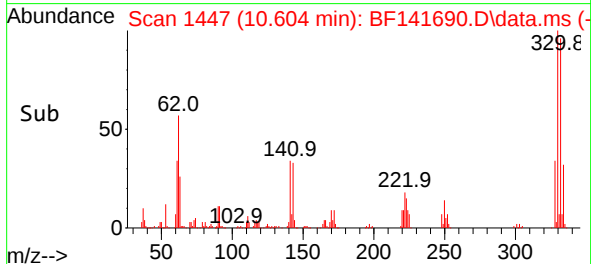
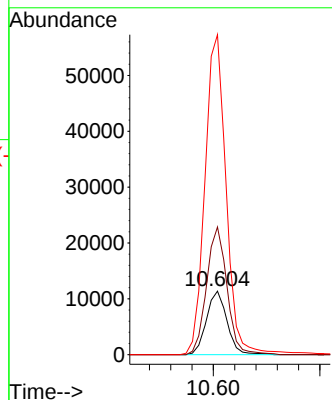
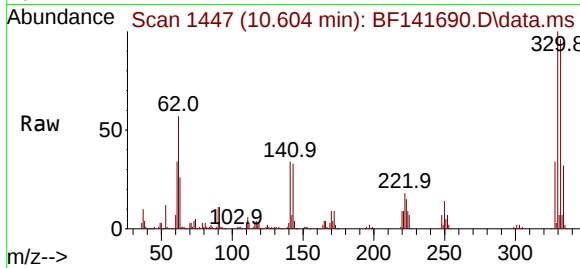




#67
4-Bromophenyl-phenylether
Concen: 4.055 ng
RT: 10.604 min Scan# 1491
Delta R.T. -0.259 min
Lab File: BF141690.D
Acq: 19 Feb 2025 22:37

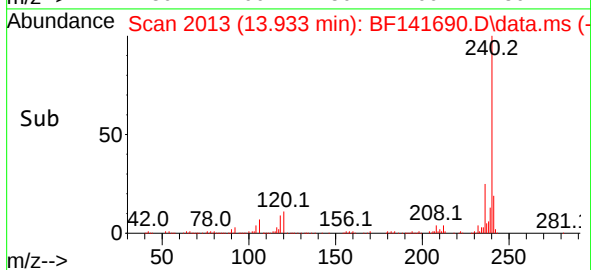
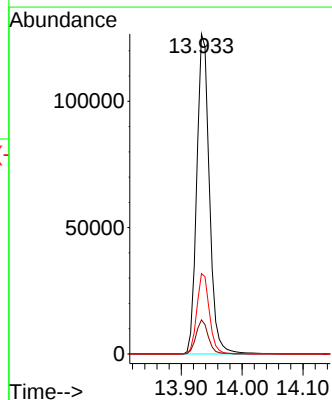
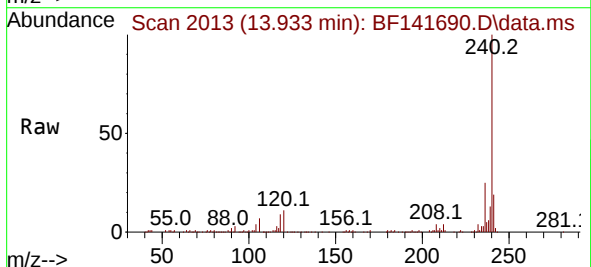
Instrument :
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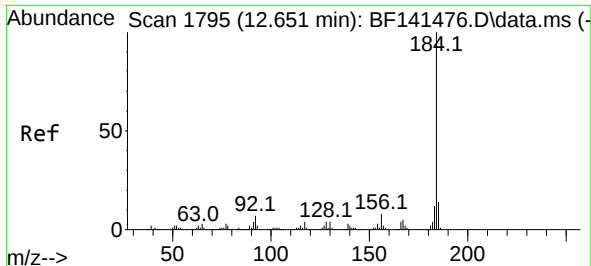
Tgt Ion:248 Resp: 15255
Ion Ratio Lower Upper
248 100
250 201.2 77.8 116.6#
141 504.0 60.6 90.8#



#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.933 min Scan# 2013
Delta R.T. -0.029 min
Lab File: BF141690.D
Acq: 19 Feb 2025 22:37

Tgt Ion:240 Resp: 182552
Ion Ratio Lower Upper
240 100
120 10.7 8.0 12.0
236 25.1 19.8 29.8

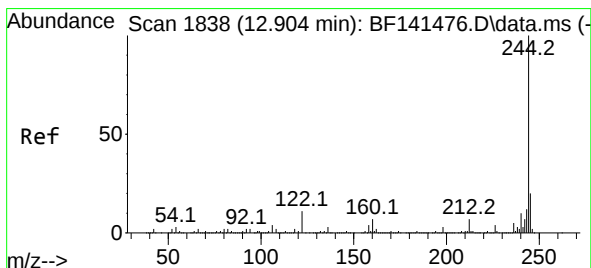
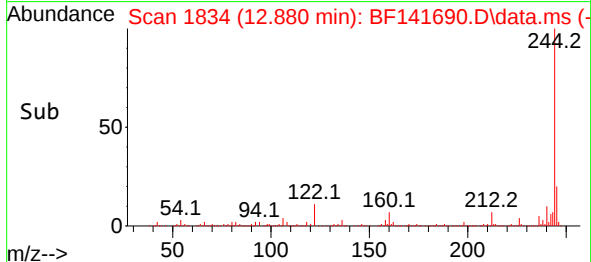
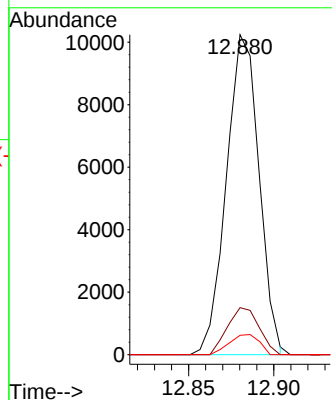
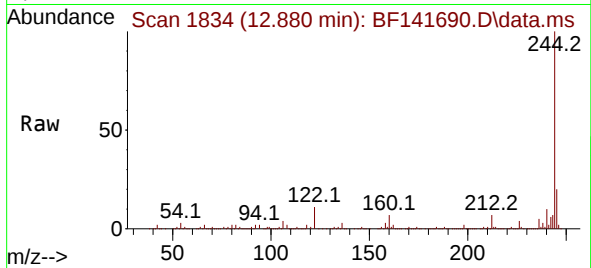




#77
Benzidine
Concen: 3.387 ng
RT: 12.880 min Scan# 1834
Delta R.T. 0.224 min
Lab File: BF141690.D
Acq: 19 Feb 2025 22:37

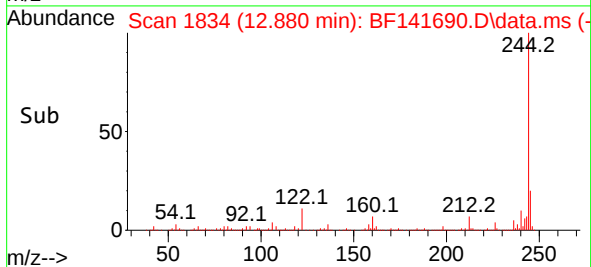
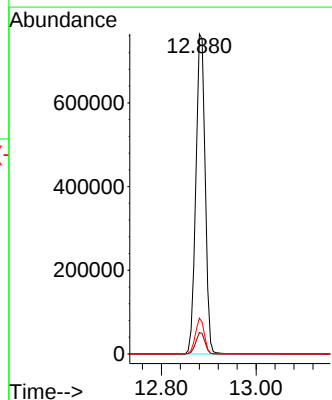
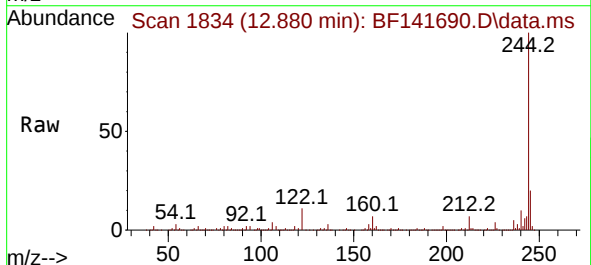
Instrument :
BNA_F
ClientSampleId :
OU4-PCS-TC-15-021725

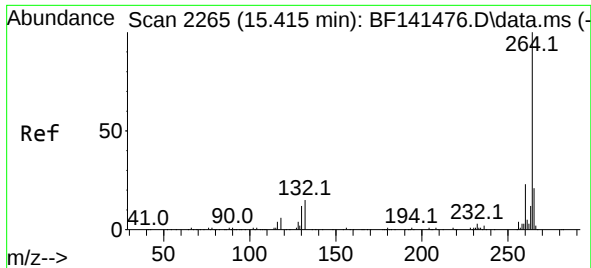
Tgt Ion:184 Resp: 13638
Ion Ratio Lower Upper
184 100
185 14.7 11.3 16.9
183 6.1 9.3 13.9#



#79
Terphenyl-d14
Concen: 96.473 ng
RT: 12.880 min Scan# 1834
Delta R.T. -0.024 min
Lab File: BF141690.D
Acq: 19 Feb 2025 22:37

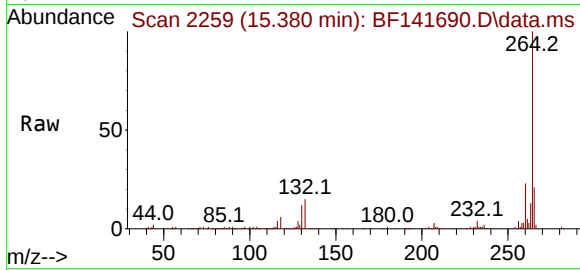
Tgt Ion:244 Resp: 1043224
Ion Ratio Lower Upper
244 100
212 6.7 5.6 8.4
122 11.2 8.4 12.6





#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.380 min Scan# 21
 Delta R.T. -0.035 min
 Lab File: BF141690.D
 Acq: 19 Feb 2025 22:37

Instrument :
 BNA_F
 ClientSampleId :
 OU4-PCS-TC-15-021725



Tgt Ion:264 Resp: 183803
 Ion Ratio Lower Upper
 264 100
 260 23.2 18.6 28.0
 265 21.2 17.0 25.4

