

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF021425\
 Data File : BF141642.D
 Acq On : 14 Feb 2025 16:30
 Operator : RC/JU
 Sample : Q1356-05RE
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 CARBON-FBRE

Quant Time: Feb 14 16:54:24 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)

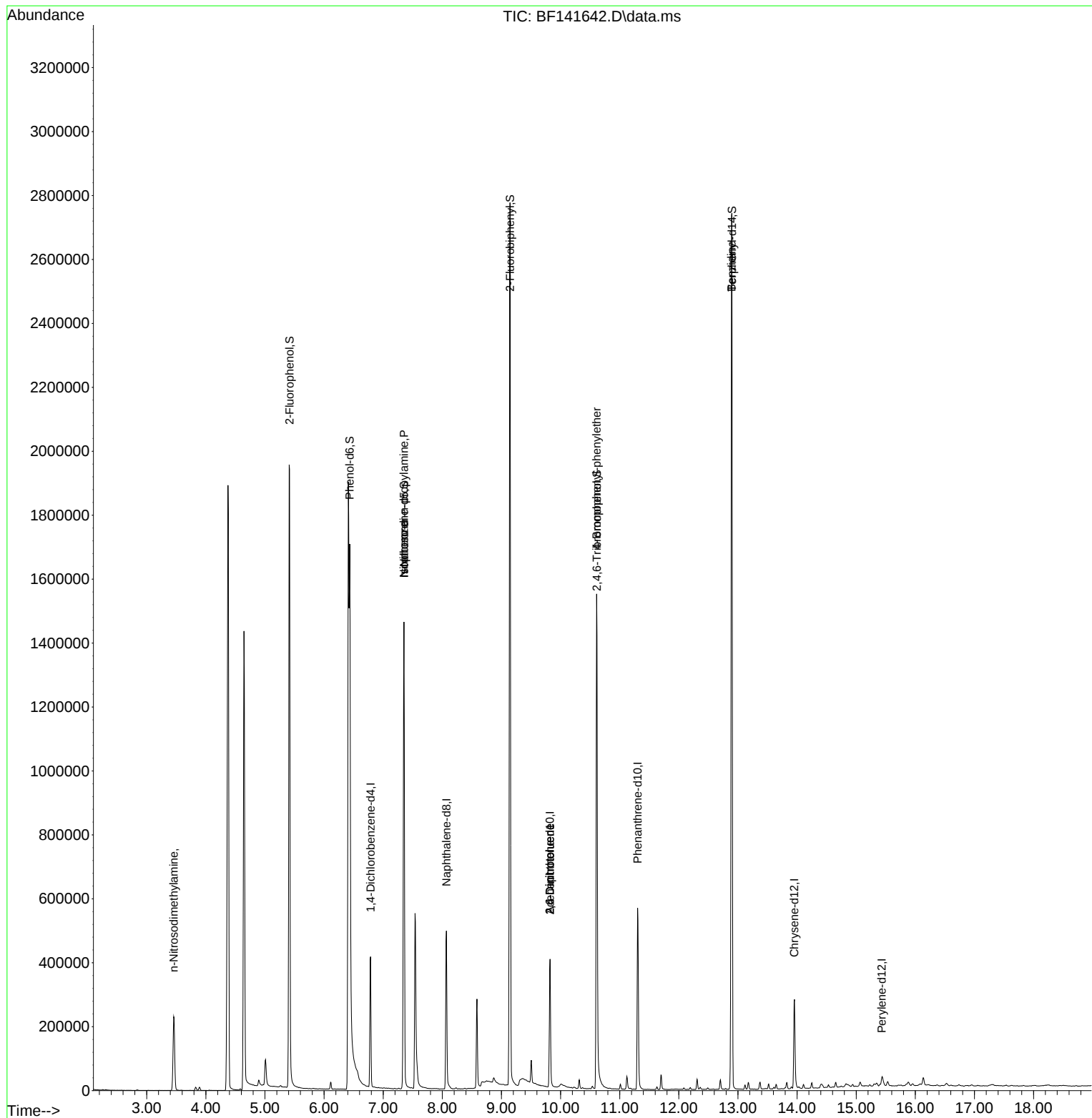
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.786	152	85692	20.000	ng	0.00
21) Naphthalene-d8	8.069	136	345131	20.000	ng	0.00
39) Acenaphthene-d10	9.822	164	111136	20.000	ng	-0.01
64) Phenanthrene-d10	11.304	188	294178	20.000	ng	-0.01
76) Chrysene-d12	13.951	240	119062	20.000	ng	-0.01
86) Perylene-d12	15.433	264	14113	20.000	ng	# 0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.416	112	767310	140.380	ng	0.00
7) Phenol-d6	6.434	99	690095	99.891	ng	0.00
23) Nitrobenzene-d5	7.351	82	689670	104.227	ng	-0.01
42) 2,4,6-Tribromophenol	10.616	330	282056	252.645	ng	-0.01
45) 2-Fluorobiphenyl	9.145	172	1265078	175.374	ng	0.00
79) Terphenyl-d14	12.898	244	1323015	187.589	ng	0.00
Target Compounds						
						Qvalue
4) n-Nitrosodimethylamine	3.457	42	7259	2.094	ng	# 1
19) n-Nitroso-di-n-propyla...	7.351	70	93261	22.568	ng	# 74
25) Isophorone	7.351	82	670482	63.549	ng	# 66
51) 2,6-Dinitrotoluene	9.822	165	14520	8.804	ng	# 24
57) 2,4-Dinitrotoluene	9.822	165	14520	6.613	ng	# 20
67) 4-Bromophenyl-phenylether	10.610	248	19152	5.825	ng	# 1
77) Benzidine	12.892	184	18759	7.144	ng	97

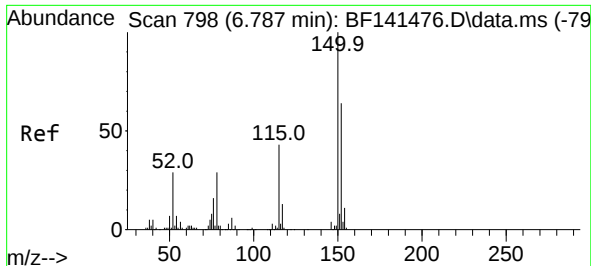
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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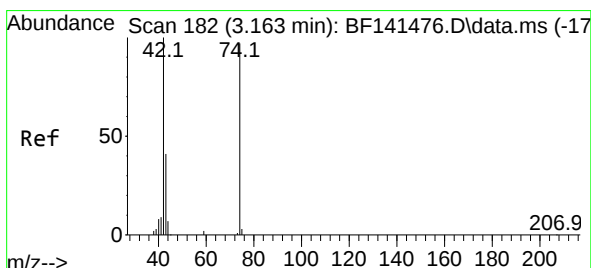
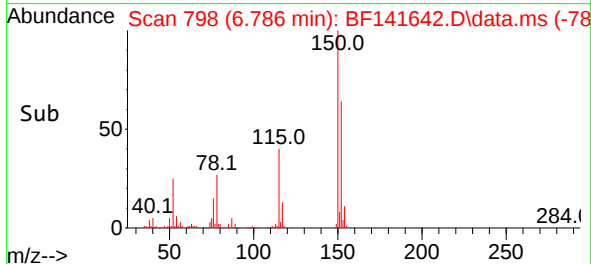
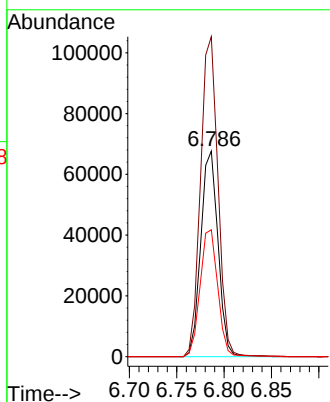
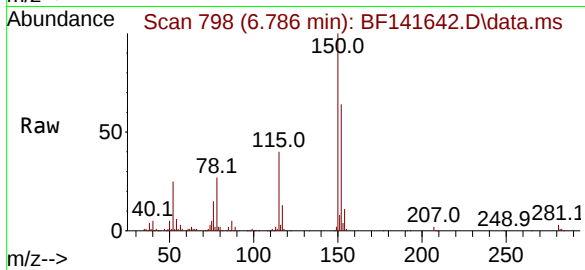




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.786 min Scan# 798
Delta R.T. -0.006 min
Lab File: BF141642.D
Acq: 14 Feb 2025 16:30

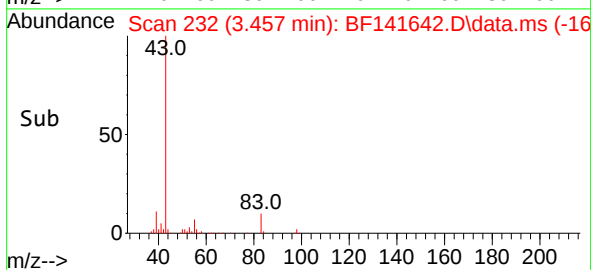
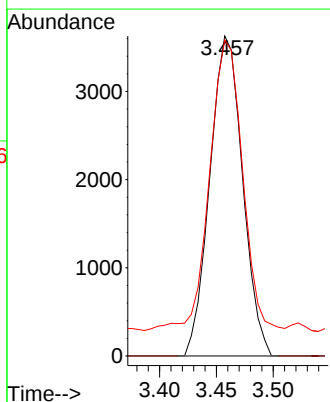
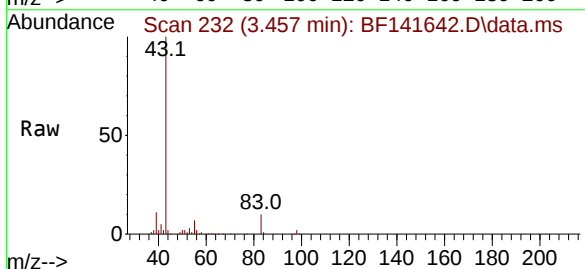
Instrument :
BNA_F
ClientSampleId :
CARBON-FBRE

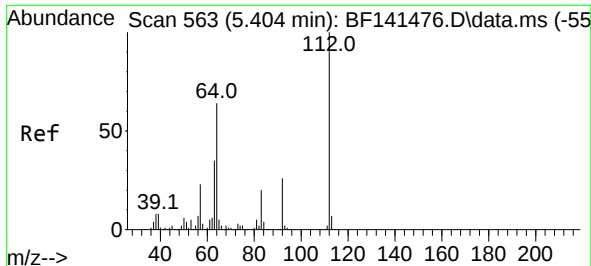
Tgt Ion:152 Resp: 85692
Ion Ratio Lower Upper
152 100
150 155.6 125.0 187.4
115 61.7 53.6 80.4



#4
n-Nitrosodimethylamine
Concen: 2.094 ng
RT: 3.457 min Scan# 232
Delta R.T. 0.271 min
Lab File: BF141642.D
Acq: 14 Feb 2025 16:30

Tgt Ion: 42 Resp: 7259
Ion Ratio Lower Upper
42 100
74 0.0 78.0 117.0#
44 98.7 5.4 8.2#

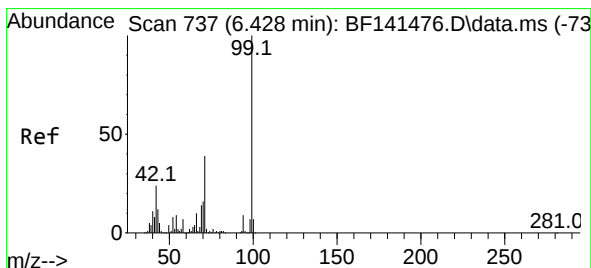
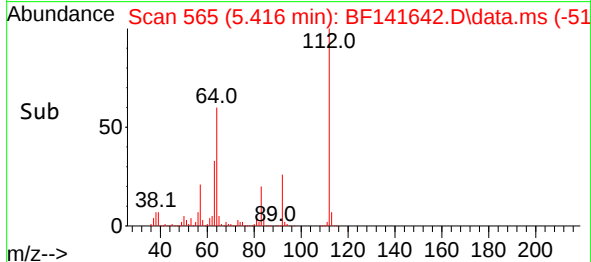
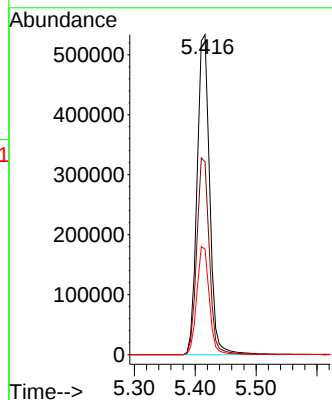
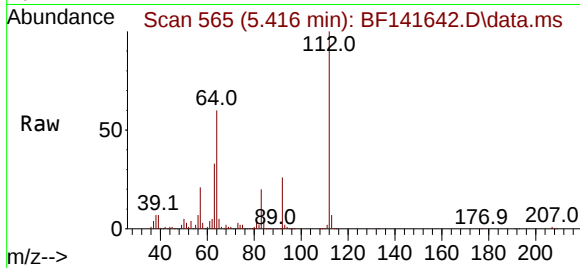




#5
2-Fluorophenol
Concen: 140.380 ng
RT: 5.416 min Scan# 50
Delta R.T. 0.006 min
Lab File: BF141642.D
Acq: 14 Feb 2025 16:30

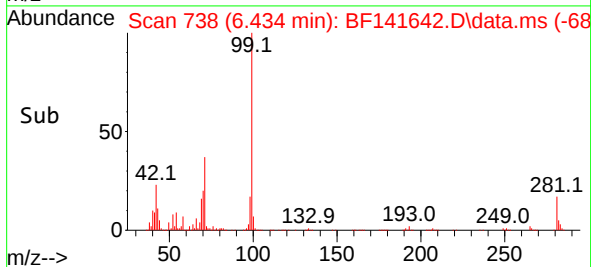
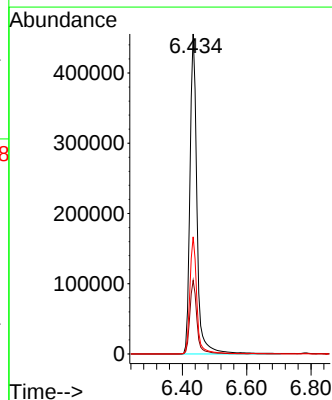
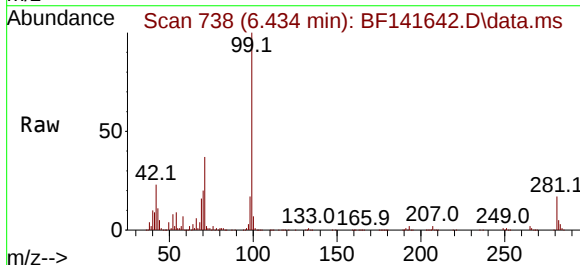
Instrument :
BNA_F
ClientSampleId :
CARBON-FBRE

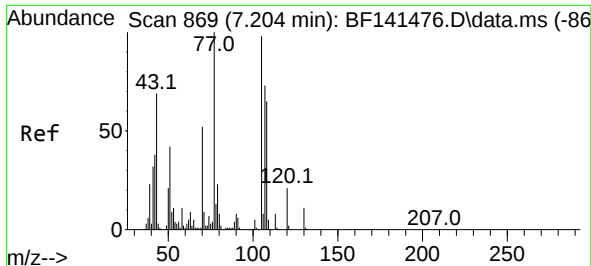
Tgt Ion:112 Resp: 767310
Ion Ratio Lower Upper
112 100
64 60.3 51.1 76.7
63 33.0 28.4 42.6



#7
Phenol-d6
Concen: 99.891 ng
RT: 6.434 min Scan# 738
Delta R.T. -0.006 min
Lab File: BF141642.D
Acq: 14 Feb 2025 16:30

Tgt Ion: 99 Resp: 690095
Ion Ratio Lower Upper
99 100
42 23.0 19.1 28.7
71 36.6 31.1 46.7





#19

n-Nitroso-di-n-propylamine

Concen: 22.568 ng

RT: 7.351 min Scan# 894

Delta R.T. 0.135 min

Lab File: BF141642.D

Acq: 14 Feb 2025 16:30

Instrument :

BNA_F

ClientSampleId :

CARBON-FBRE

Tgt Ion: 70 Resp: 93261

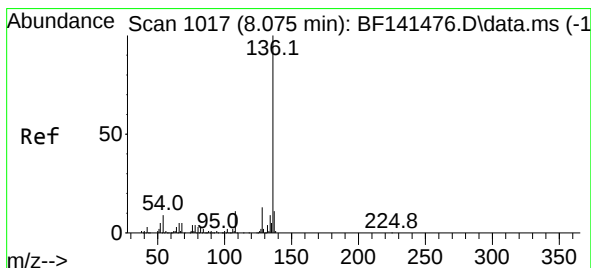
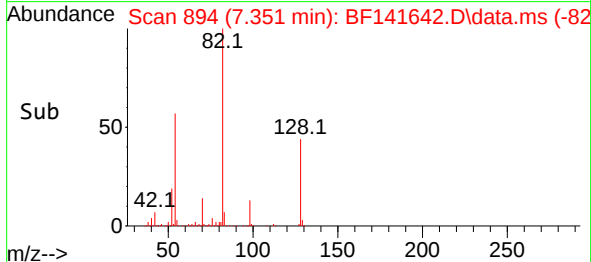
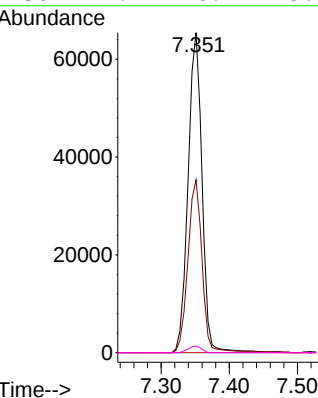
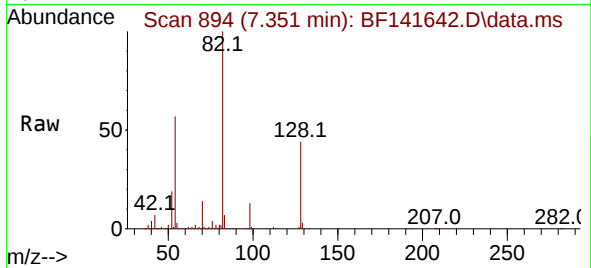
Ion Ratio Lower Upper

70 100

42 54.0 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: 8.069 min Scan# 1016

Delta R.T. -0.006 min

Lab File: BF141642.D

Acq: 14 Feb 2025 16:30

Tgt Ion:136 Resp: 345131

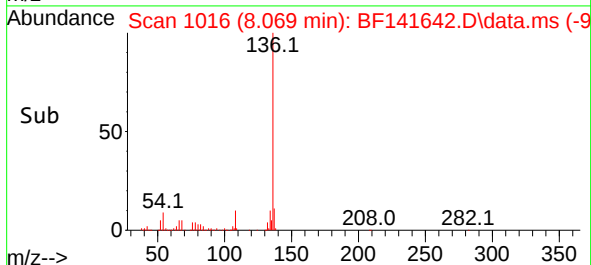
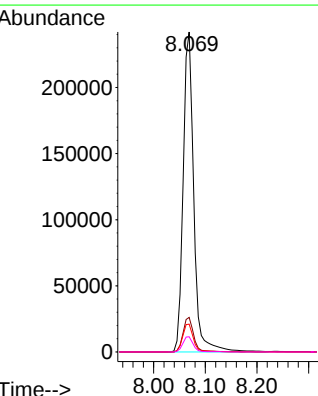
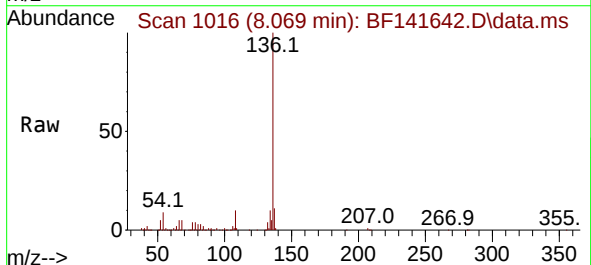
Ion Ratio Lower Upper

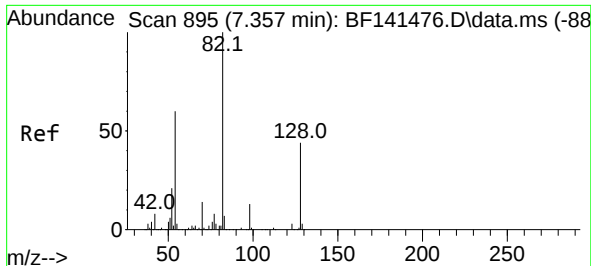
136 100

137 10.8 8.6 13.0

54 8.7 7.2 10.8

68 4.8 3.7 5.5





#23

Nitrobenzene-d5

Concen: 104.227 ng

RT: 7.351 min Scan# 894

Delta R.T. -0.012 min

Lab File: BF141642.D

Acq: 14 Feb 2025 16:30

Instrument :

BNA_F

ClientSampleId :

CARBON-FBRE

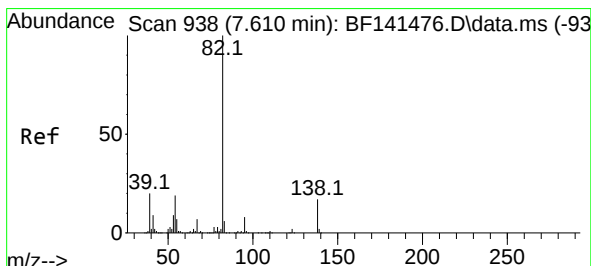
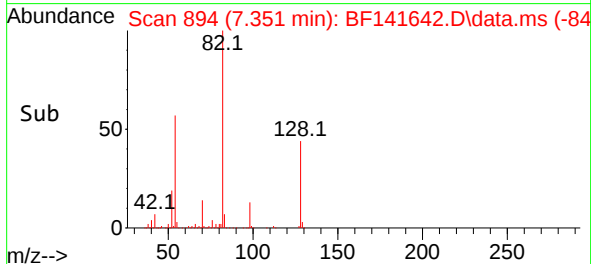
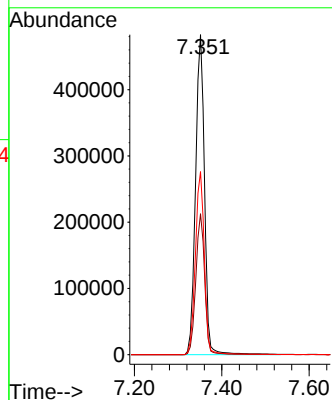
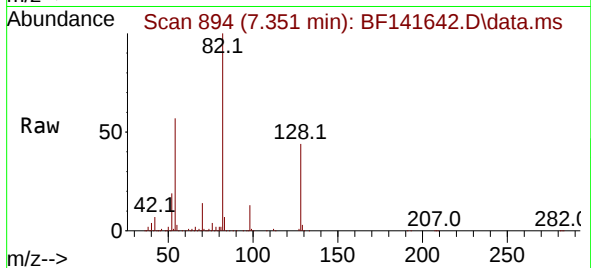
Tgt Ion: 82 Resp: 689670

Ion Ratio Lower Upper

82 100

128 44.1 34.8 52.2

54 57.2 48.2 72.4



#25

Isophorone

Concen: 63.549 ng

RT: 7.351 min Scan# 894

Delta R.T. -0.271 min

Lab File: BF141642.D

Acq: 14 Feb 2025 16:30

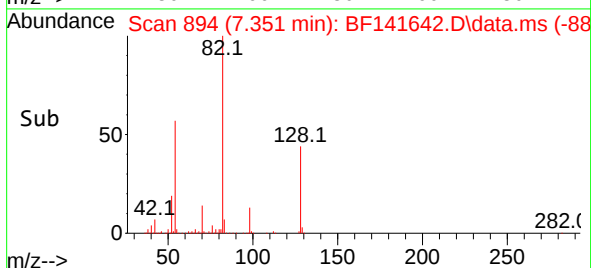
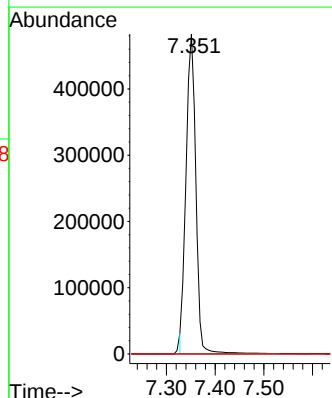
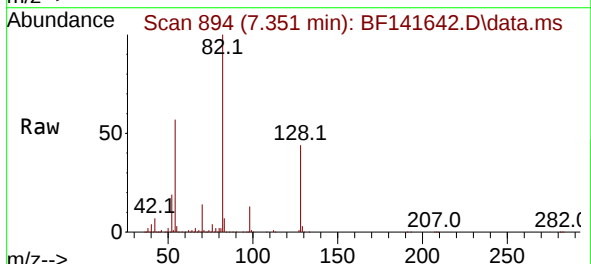
Tgt Ion: 82 Resp: 670482

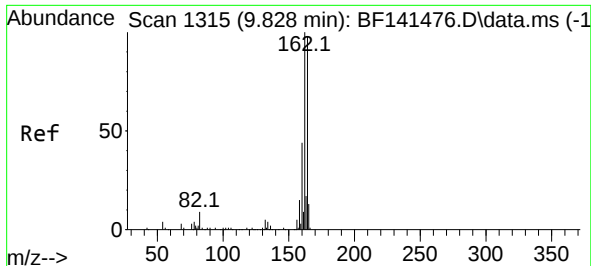
Ion Ratio Lower Upper

82 100

95 0.0 6.4 9.6#

138 0.0 13.9 20.9#

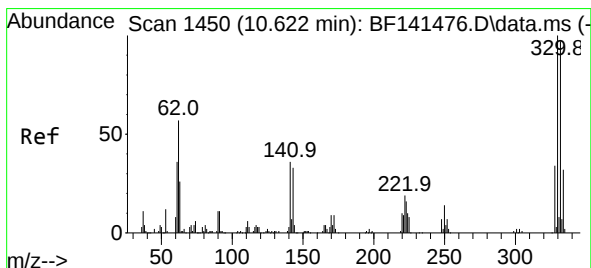
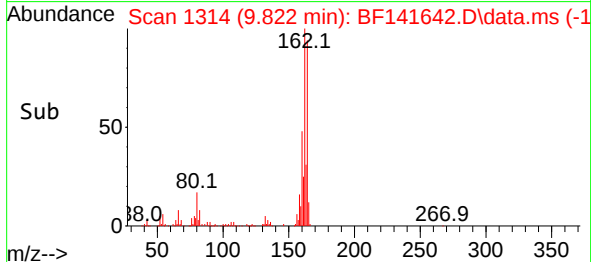
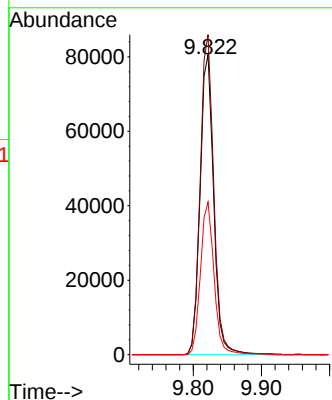
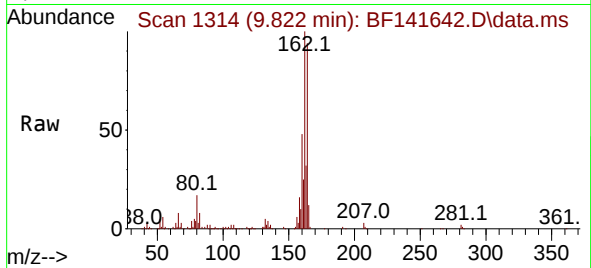




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.822 min Scan# 11
Delta R.T. -0.012 min
Lab File: BF141642.D
Acq: 14 Feb 2025 16:30

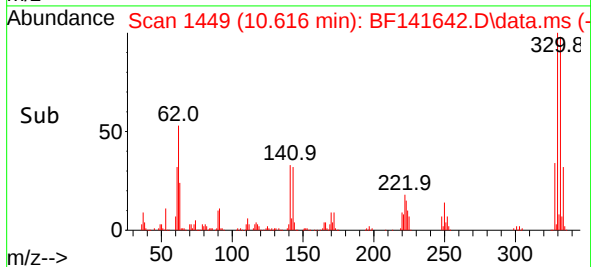
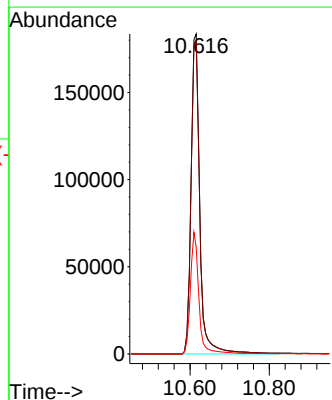
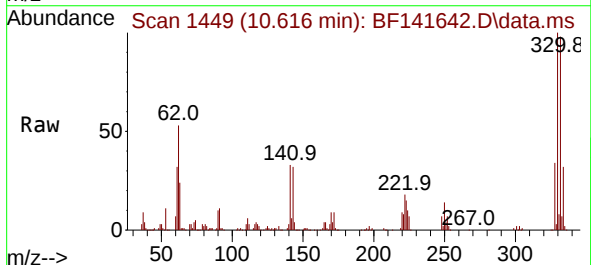
Instrument :
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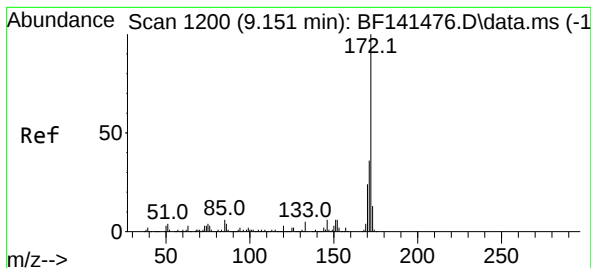
Tgt Ion:164 Resp: 111136
Ion Ratio Lower Upper
164 100
162 106.6 81.3 121.9
160 50.9 35.9 53.9



#42
2,4,6-Tribromophenol
Concen: 252.645 ng
RT: 10.616 min Scan# 1449
Delta R.T. -0.012 min
Lab File: BF141642.D
Acq: 14 Feb 2025 16:30

Tgt Ion:330 Resp: 282056
Ion Ratio Lower Upper
330 100
332 97.5 78.5 117.7
141 37.4 31.0 46.4





#45

2-Fluorobiphenyl

Concen: 175.374 ng

RT: 9.145 min Scan# 1199

Delta R.T. -0.006 min

Lab File: BF141642.D

Acq: 14 Feb 2025 16:30

Instrument :

BNA_F

ClientSampleId :

CARBON-FBRE

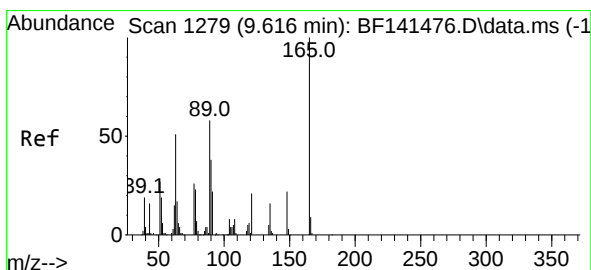
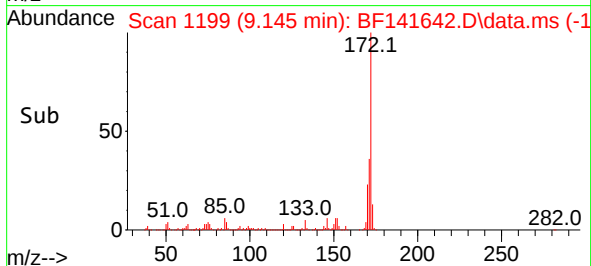
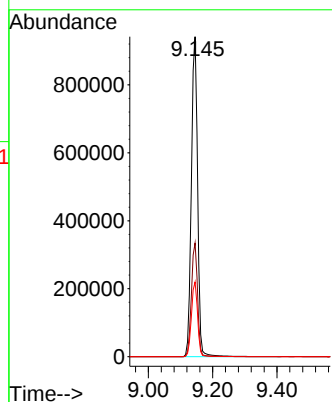
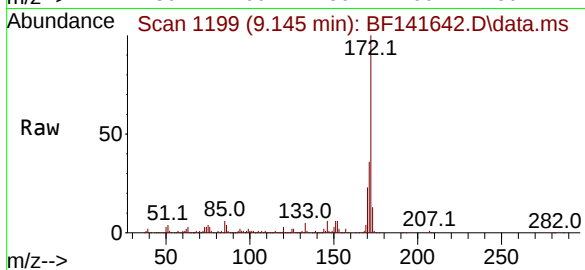
Tgt Ion:172 Resp: 1265078

Ion Ratio Lower Upper

172 100

171 35.5 28.7 43.1

170 23.3 18.9 28.3



#51

2,6-Dinitrotoluene

Concen: 8.804 ng

RT: 9.822 min Scan# 1314

Delta R.T. 0.200 min

Lab File: BF141642.D

Acq: 14 Feb 2025 16:30

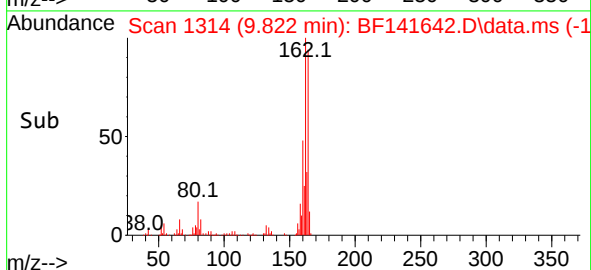
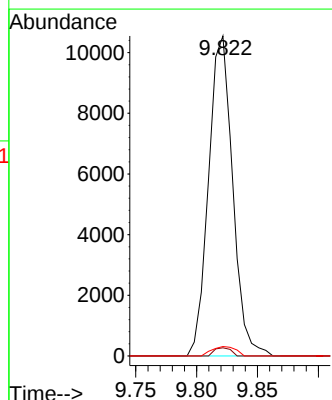
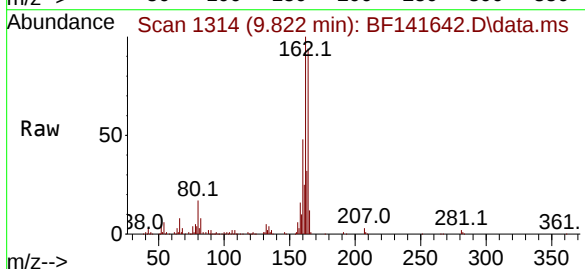
Tgt Ion:165 Resp: 14520

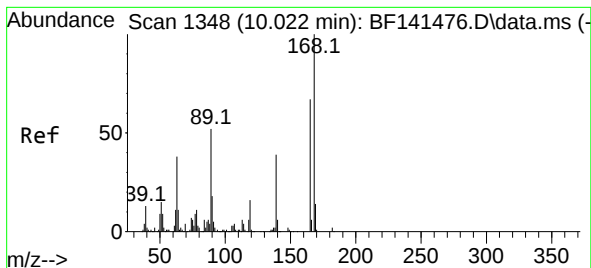
Ion Ratio Lower Upper

165 100

63 2.5 49.4 74.0#

89 3.0 46.5 69.7#

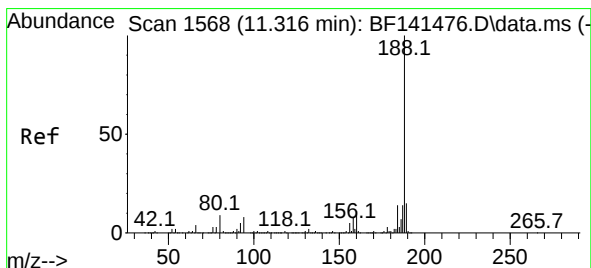
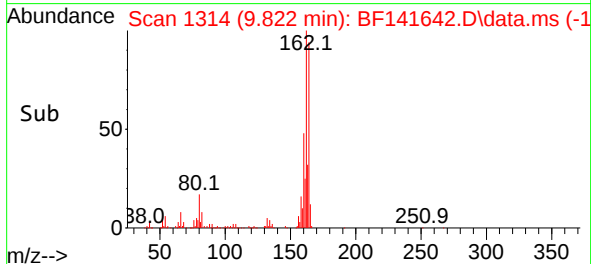
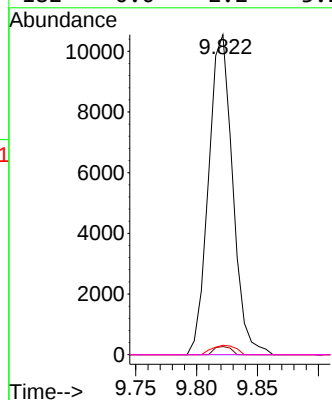
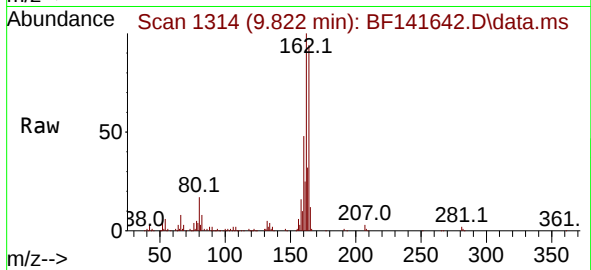




#57
2,4-Dinitrotoluene
Concen: 6.613 ng
RT: 9.822 min Scan# 11
Delta R.T. -0.206 min
Lab File: BF141642.D
Acq: 14 Feb 2025 16:30

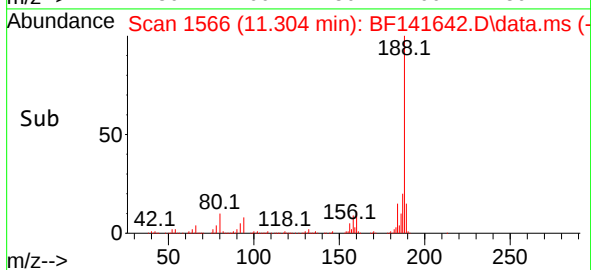
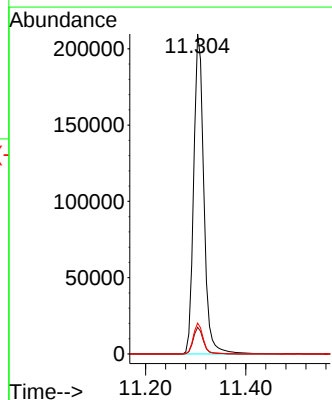
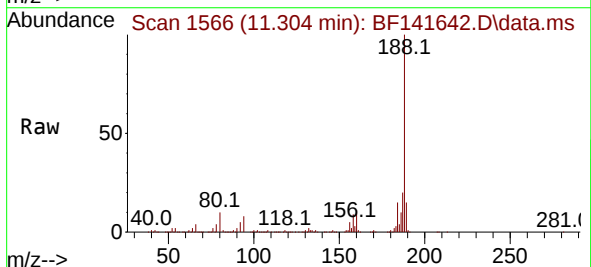
Instrument :
BNA_F
ClientSampleId :
CARBON-FBRE

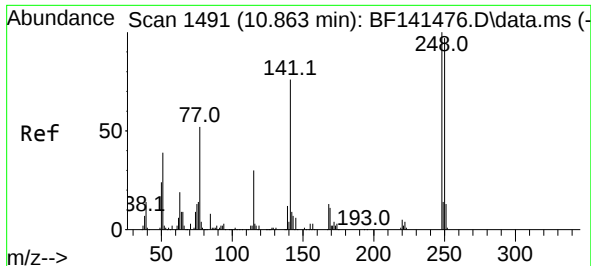
Tgt Ion:165 Resp: 14520
Ion Ratio Lower Upper
165 100
63 2.5 46.4 69.6#
89 3.0 61.8 92.6#
182 0.0 2.2 3.2#



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.304 min Scan# 1566
Delta R.T. -0.012 min
Lab File: BF141642.D
Acq: 14 Feb 2025 16:30

Tgt Ion:188 Resp: 294178
Ion Ratio Lower Upper
188 100
94 8.4 6.6 10.0
80 9.6 7.3 10.9

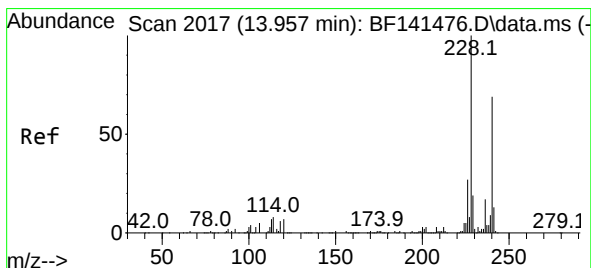
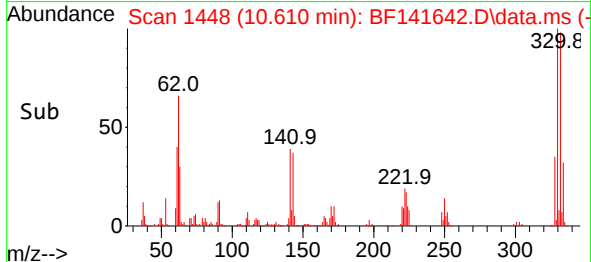
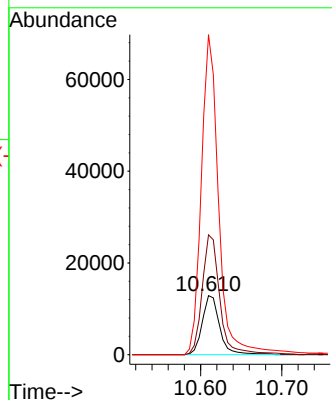
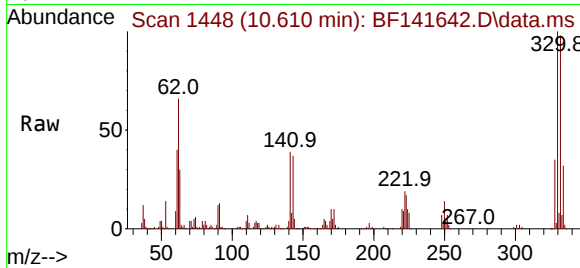




#67
4-Bromophenyl-phenylether
Concen: 5.825 ng
RT: 10.610 min Scan# 1491
Delta R.T. -0.253 min
Lab File: BF141642.D
Acq: 14 Feb 2025 16:30

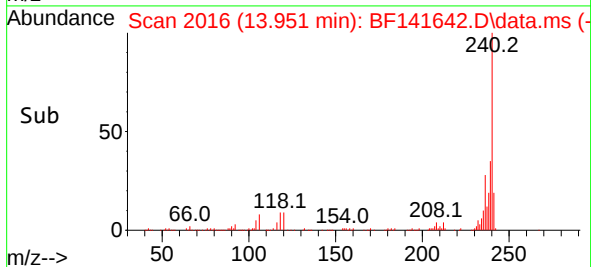
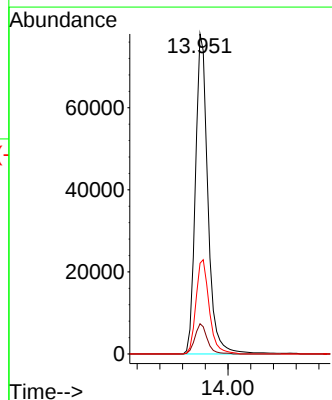
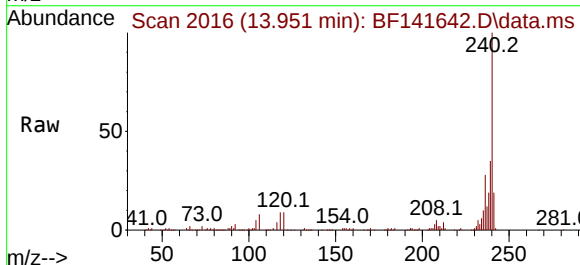
Instrument :
BNA_F
ClientSampleId :
CARBON-FBRE

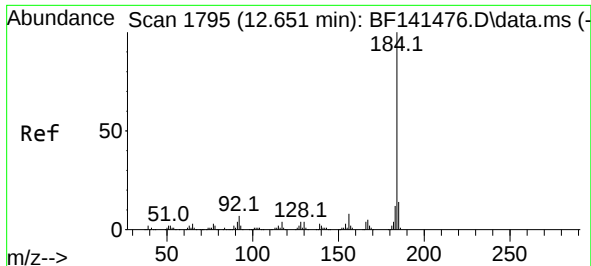
Tgt Ion:248 Resp: 19152
Ion Ratio Lower Upper
248 100
250 202.9 77.8 116.6#
141 541.8 60.6 90.8#



#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.951 min Scan# 2016
Delta R.T. -0.012 min
Lab File: BF141642.D
Acq: 14 Feb 2025 16:30

Tgt Ion:240 Resp: 119062
Ion Ratio Lower Upper
240 100
120 9.4 8.0 12.0
236 28.3 19.8 29.8

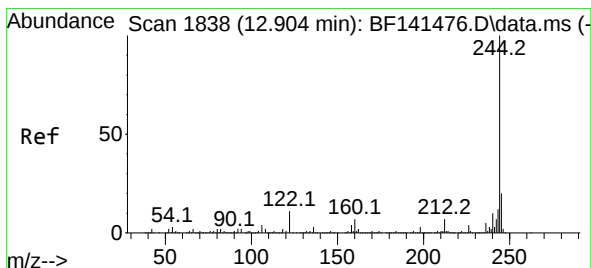
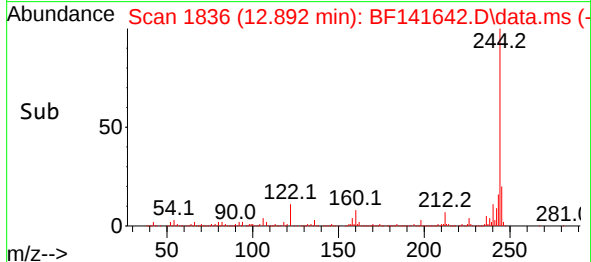
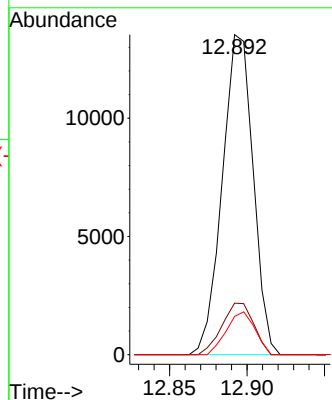
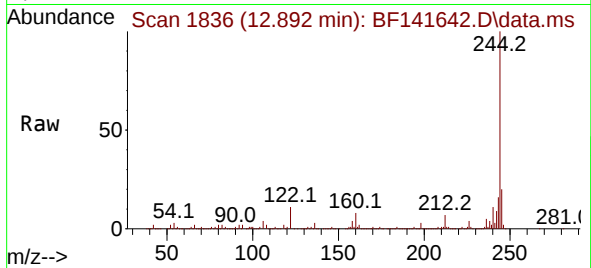




#77
Benzidine
Concen: 7.144 ng
RT: 12.892 min Scan# 1836
Delta R.T. 0.235 min
Lab File: BF141642.D
Acq: 14 Feb 2025 16:30

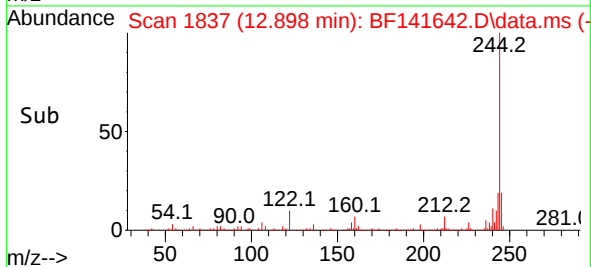
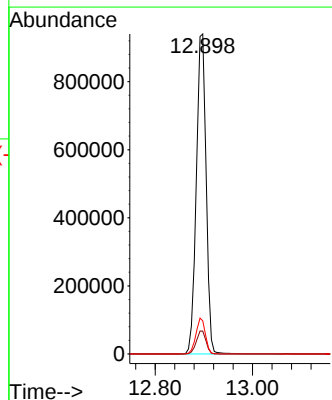
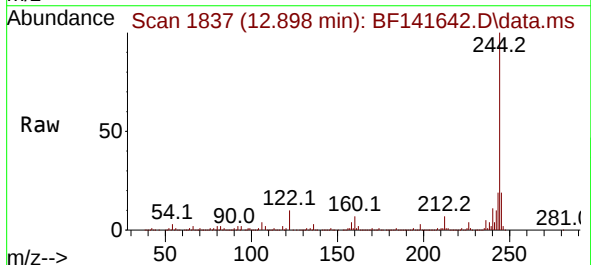
Instrument :
BNA_F
ClientSampleId :
CARBON-FBRE

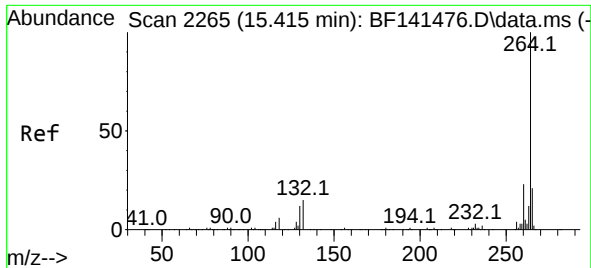
Tgt Ion:184 Resp: 18759
Ion Ratio Lower Upper
184 100
185 16.1 11.3 16.9
183 11.9 9.3 13.9



#79
Terphenyl-d14
Concen: 187.589 ng
RT: 12.898 min Scan# 1837
Delta R.T. -0.006 min
Lab File: BF141642.D
Acq: 14 Feb 2025 16:30

Tgt Ion:244 Resp: 1323015
Ion Ratio Lower Upper
244 100
212 7.1 5.6 8.4
122 10.4 8.4 12.6





#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.433 min Scan# 21
 Delta R.T. 0.018 min
 Lab File: BF141642.D
 Acq: 14 Feb 2025 16:30

Instrument :
 BNA_F
 ClientSampleId :
 CARBON-FBRE

Tgt Ion:264 Resp: 14113
 Ion Ratio Lower Upper
 264 100
 260 33.1 18.6 28.0#
 265 22.6 17.0 25.4

