

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF013124\
 Data File : BF137205.D
 Acq On : 31 Jan 2024 12:36
 Operator : CG\JU
 Sample : P1276-05
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TP-38

Quant Time: Feb 01 01:12:40 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF013024.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Jan 31 04:56:22 2024
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

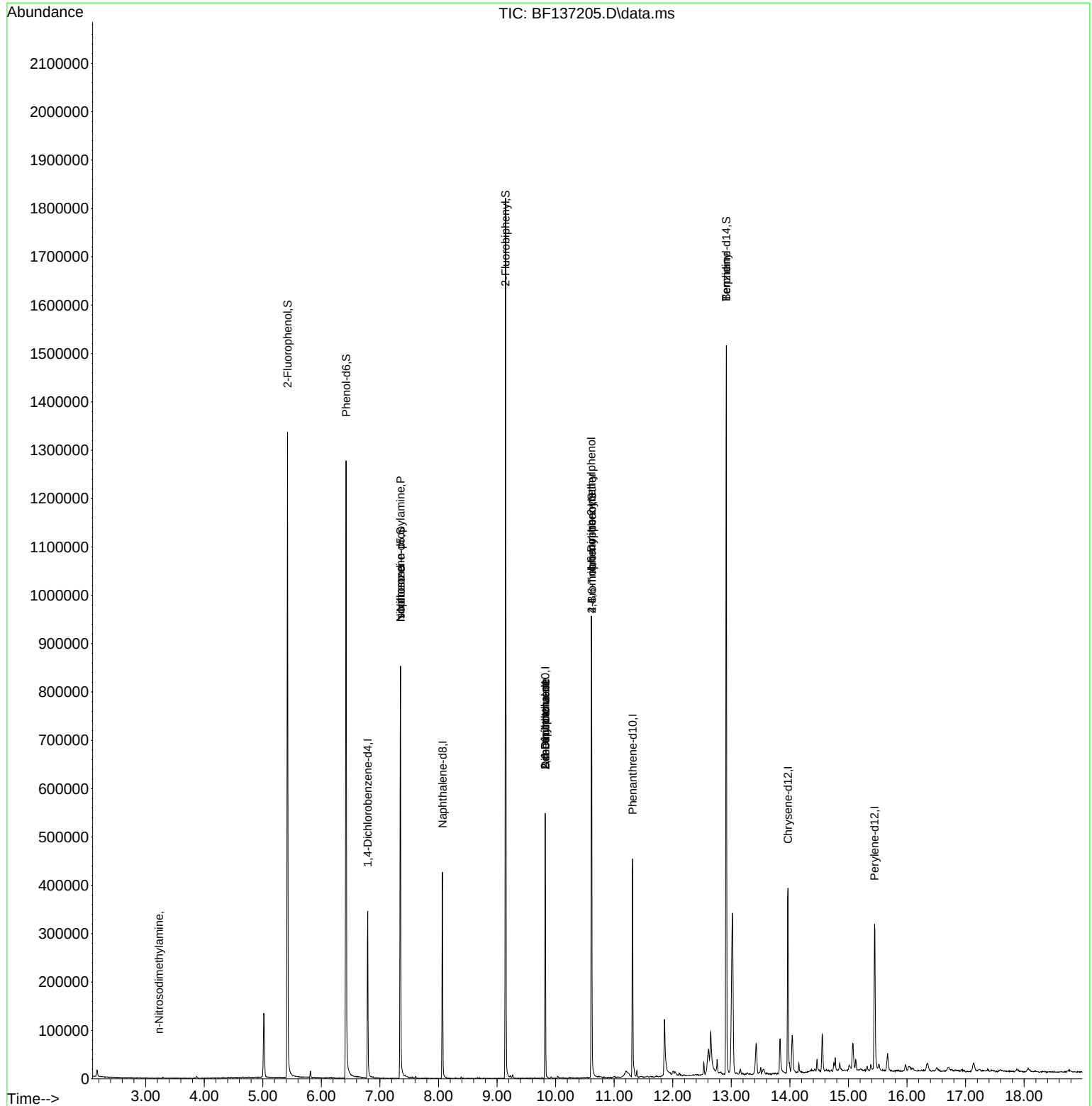
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.793	152	48346	20.000	ng	0.00
21) Naphthalene-d8	8.069	136	185434	20.000	ng	0.00
39) Acenaphthene-d10	9.822	164	101206	20.000	ng	0.00
64) Phenanthrene-d10	11.316	188	182590	20.000	ng	# 0.00
76) Chrysene-d12	13.969	240	140653	20.000	ng	0.00
86) Perylene-d12	15.445	264	165283	20.000	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.422	112	327126	111.650	ng	0.00
7) Phenol-d6	6.422	99	421511	100.809	ng	0.00
23) Nitrobenzene-d5	7.351	82	286522	69.179	ng	0.00
42) 2,4,6-Tribromophenol	10.616	330	116825	102.212	ng	0.00
45) 2-Fluorobiphenyl	9.145	172	516119	70.104	ng	0.00
79) Terphenyl-d14	12.916	244	541949	52.381	ng	0.00
Target Compounds						
						Qvalue
4) n-Nitrosodimethylamine	3.228	42	55	6.090	ng	# 1
19) n-Nitroso-di-n-propyla...	7.351	70	38773	13.524	ng	# 76
25) Isophorone	7.351	82	286520	37.479	ng	# 67
50) Dimethylphthalate	9.822	163	18695	2.734	ng	# 1
51) 2,6-Dinitrotoluene	9.822	165	12474	8.556	ng	# 18
57) 2,4-Dinitrotoluene	9.822	165	12474	6.594	ng	# 17
65) 4,6-Dinitro-2-methylph...	10.610	198	231	5.666	ng	# 1
67) 4-Bromophenyl-phenylether	10.616	248	8230	4.099	ng	# 1
77) Benzidine	12.916	184	7075	2.809	ng	# 97

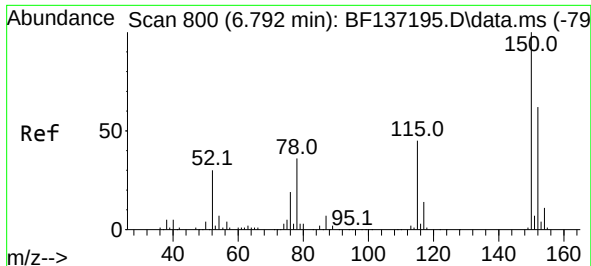
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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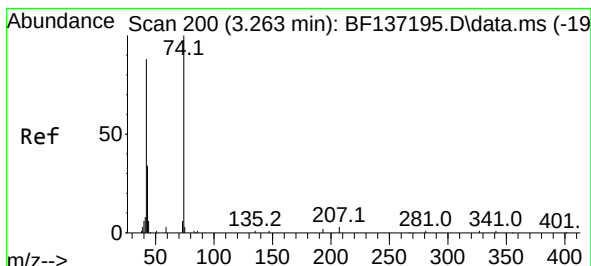
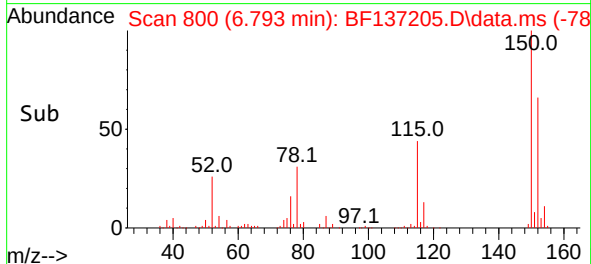
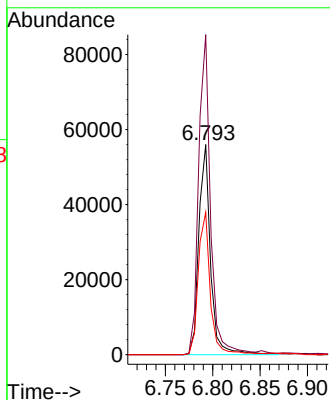
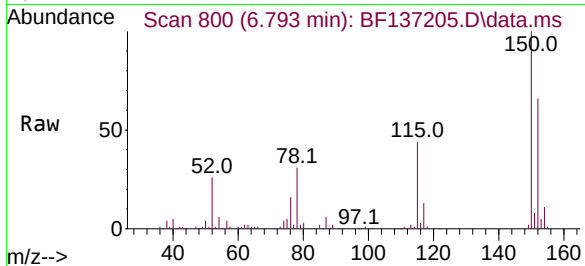




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.793 min Scan# 80
Delta R.T. 0.001 min
Lab File: BF137205.D
Acq: 31 Jan 2024 12:36

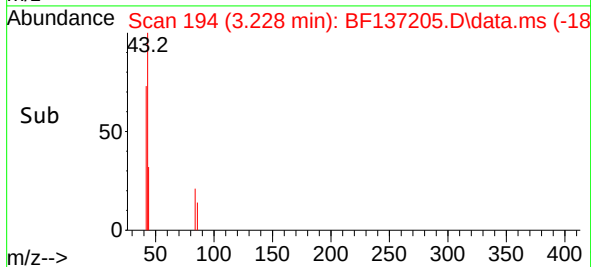
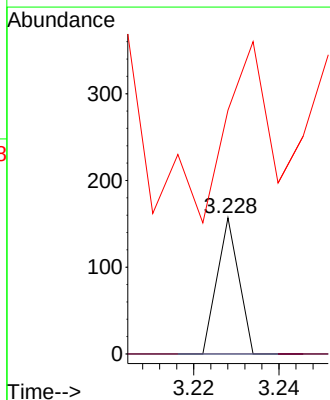
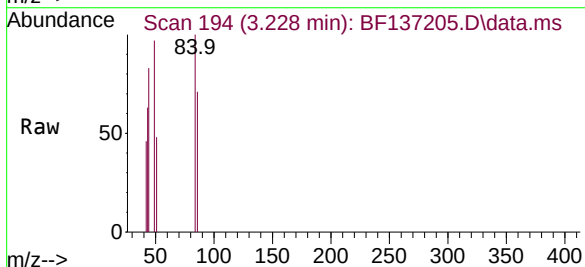
Instrument :
BNA_F
ClientSampleId :
TP-38

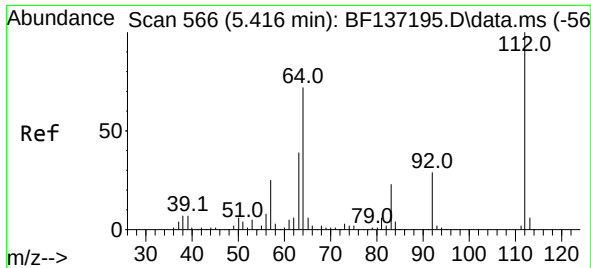
Tgt Ion:152 Resp: 48346
Ion Ratio Lower Upper
152 100
150 152.4 129.8 194.8
115 67.7 58.5 87.7



#4
n-Nitrosodimethylamine
Concen: 6.090 ng
RT: 3.228 min Scan# 194
Delta R.T. -0.035 min
Lab File: BF137205.D
Acq: 31 Jan 2024 12:36

Tgt Ion: 42 Resp: 55
Ion Ratio Lower Upper
42 100
74 0.0 90.5 135.7#
44 179.0 6.1 9.1#

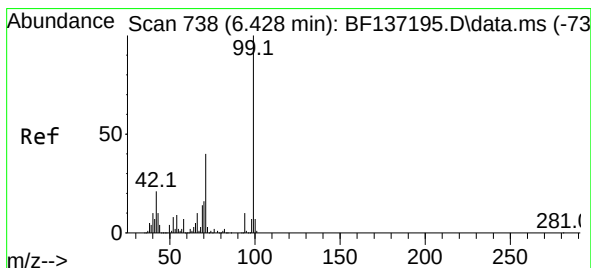
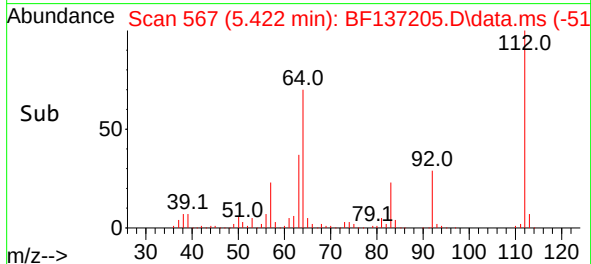
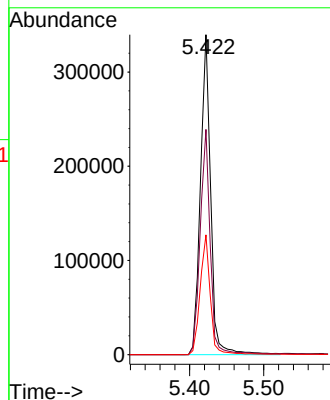
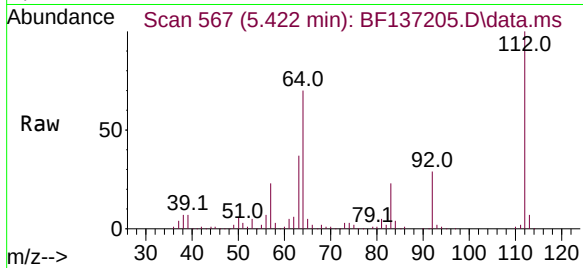




#5
2-Fluorophenol
Concen: 111.650 ng
RT: 5.422 min Scan# 50
Delta R.T. 0.006 min
Lab File: BF137205.D
Acq: 31 Jan 2024 12:36

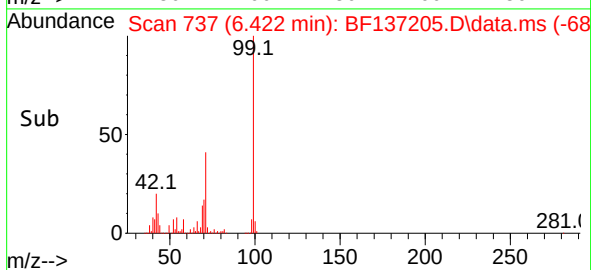
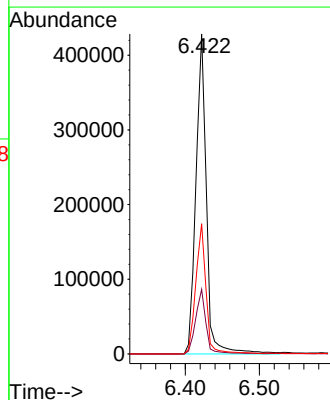
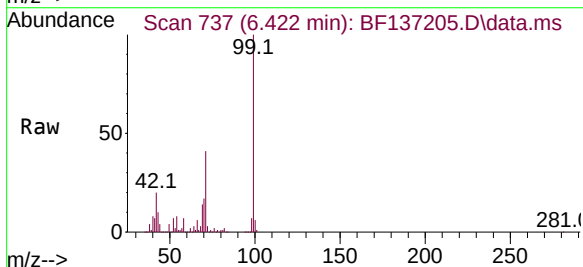
Instrument :
BNA_F
ClientSampleId :
TP-38

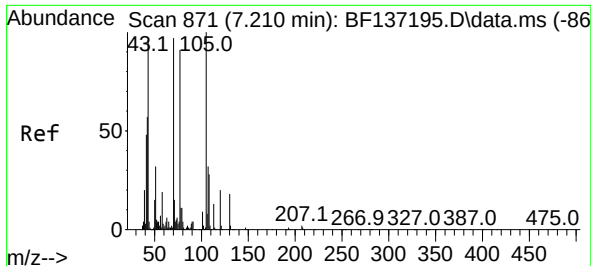
Tgt Ion:112 Resp: 327126
Ion Ratio Lower Upper
112 100
64 70.4 57.8 86.6
63 37.4 31.4 47.0



#7
Phenol-d6
Concen: 100.809 ng
RT: 6.422 min Scan# 737
Delta R.T. -0.006 min
Lab File: BF137205.D
Acq: 31 Jan 2024 12:36

Tgt Ion: 99 Resp: 421511
Ion Ratio Lower Upper
99 100
42 20.2 16.4 24.6
71 40.7 32.4 48.6



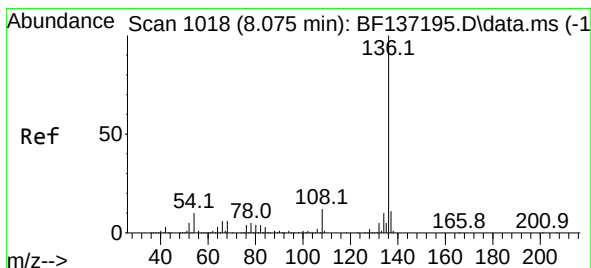
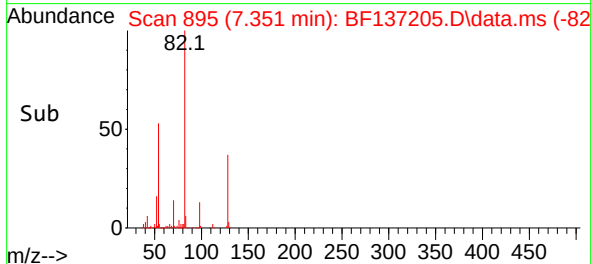
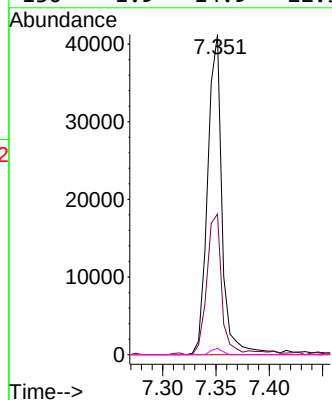
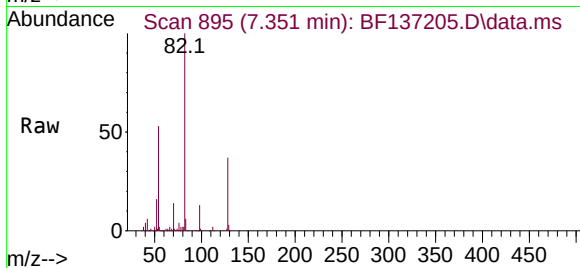


#19
n-Nitroso-di-n-propylamine
Concen: 13.524 ng
RT: 7.351 min Scan# 89
Delta R.T. 0.141 min
Lab File: BF137205.D
Acq: 31 Jan 2024 12:36

Instrument :
BNA_F
ClientSampleId :
TP-38

Tgt Ion: 70 Resp: 38773

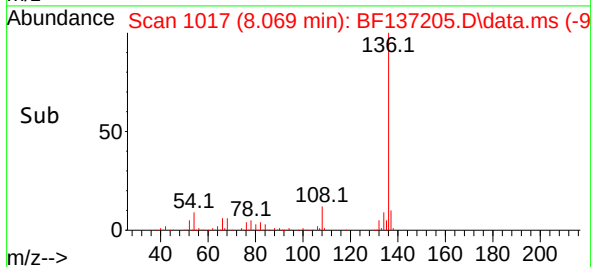
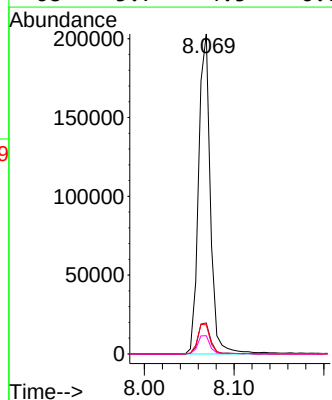
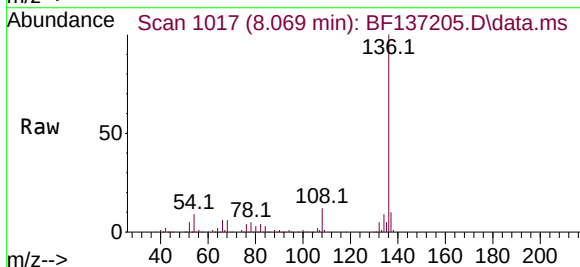
Ion	Ratio	Lower	Upper
70	100		
42	43.9	47.2	70.8#
101	0.0	7.4	11.0#
130	1.9	14.9	22.3#

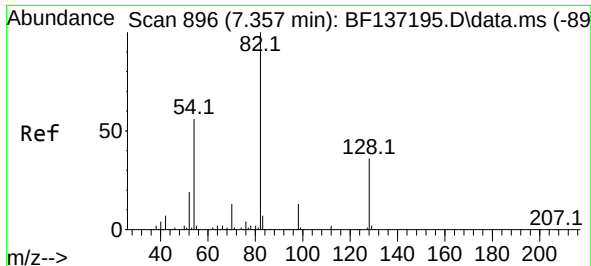


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.069 min Scan# 1017
Delta R.T. -0.006 min
Lab File: BF137205.D
Acq: 31 Jan 2024 12:36

Tgt Ion: 136 Resp: 185434

Ion	Ratio	Lower	Upper
136	100		
137	9.7	8.9	13.3
54	9.1	7.8	11.8
68	5.7	4.5	6.7

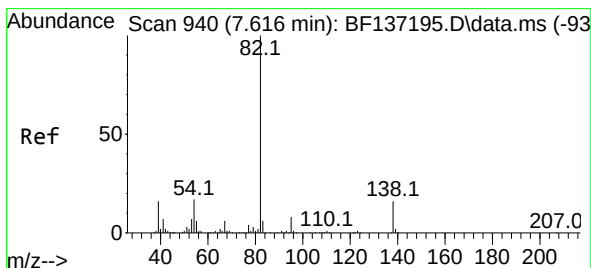
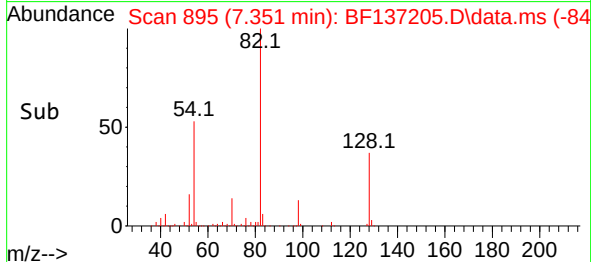
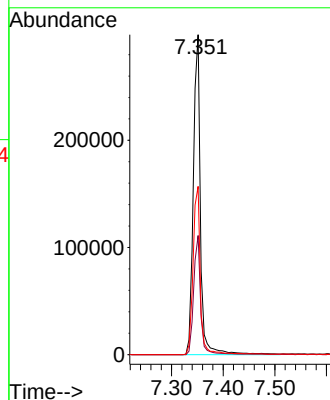
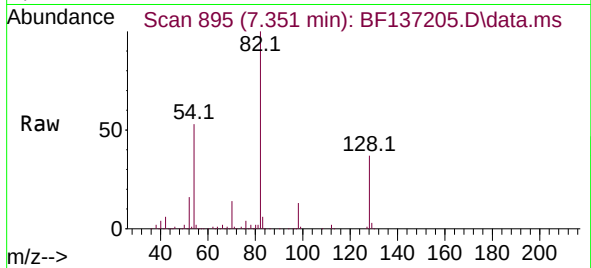




#23
Nitrobenzene-d5
Concen: 69.179 ng
RT: 7.351 min Scan# 895
Delta R.T. -0.006 min
Lab File: BF137205.D
Acq: 31 Jan 2024 12:36

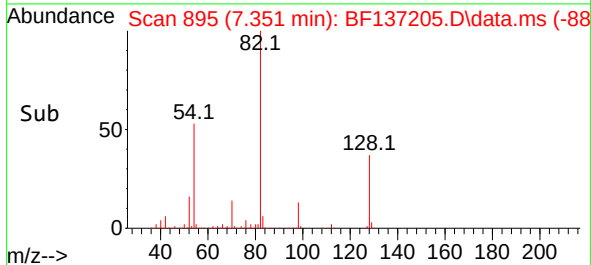
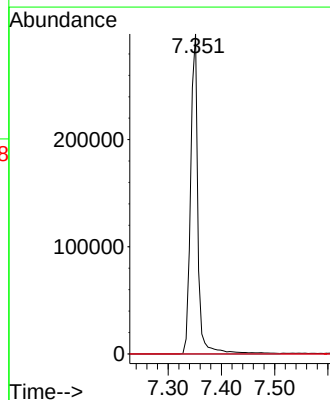
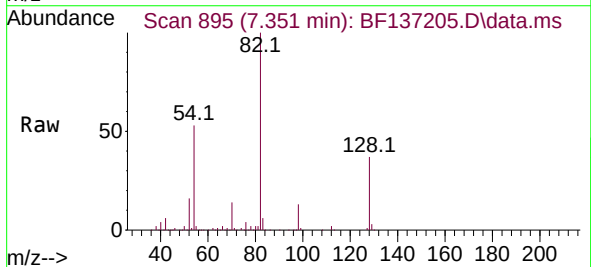
Instrument :
BNA_F
ClientSampleId :
TP-38

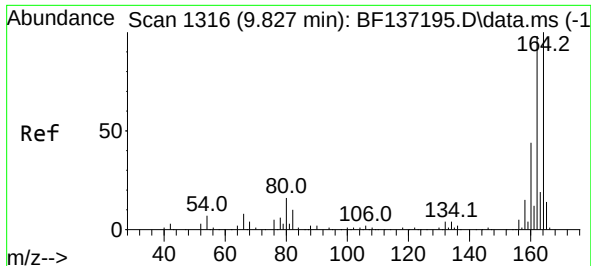
Tgt Ion: 82 Resp: 286522
Ion Ratio Lower Upper
82 100
128 37.2 29.1 43.7
54 52.6 45.0 67.6



#25
Isophorone
Concen: 37.479 ng
RT: 7.351 min Scan# 895
Delta R.T. -0.265 min
Lab File: BF137205.D
Acq: 31 Jan 2024 12:36

Tgt Ion: 82 Resp: 286520
Ion Ratio Lower Upper
82 100
95 0.0 6.4 9.6#
138 0.0 12.7 19.1#

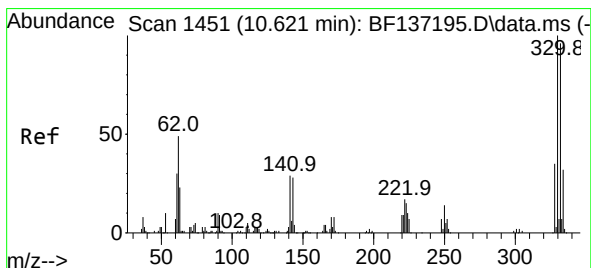
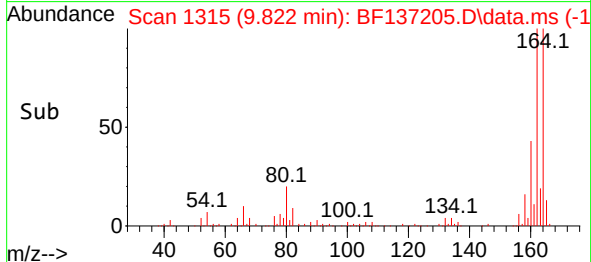
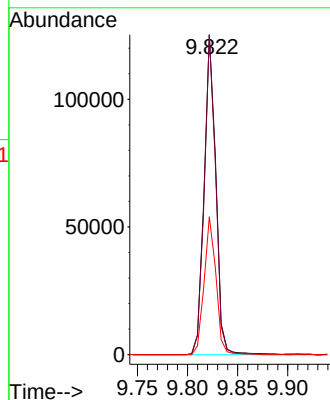
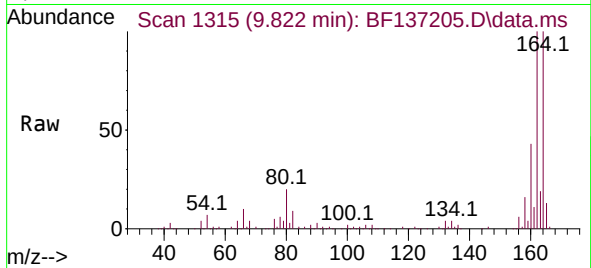




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.822 min Scan# 1316
Delta R.T. -0.005 min
Lab File: BF137205.D
Acq: 31 Jan 2024 12:36

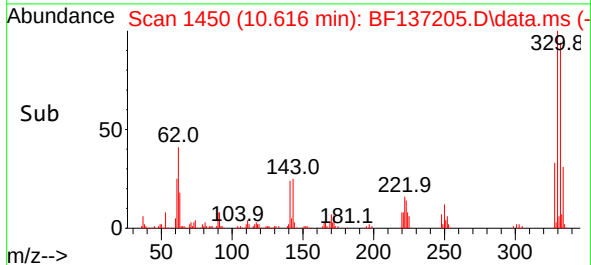
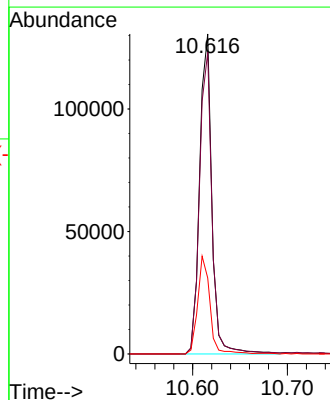
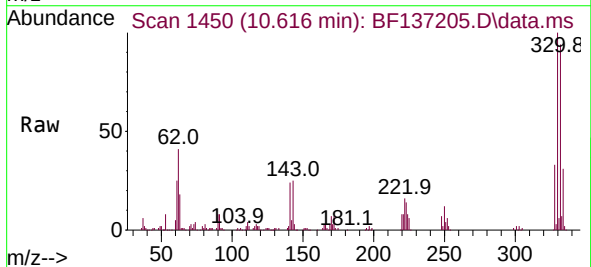
Instrument :
BNA_F
ClientSampleId :
TP-38

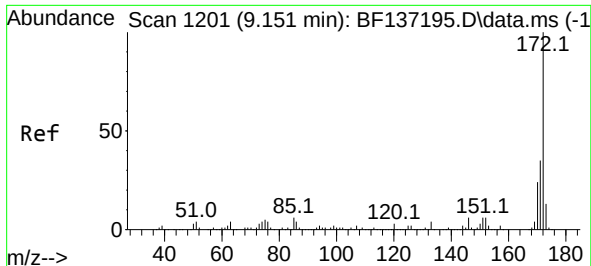
Tgt Ion:164 Resp: 101206
Ion Ratio Lower Upper
164 100
162 99.8 78.3 117.5
160 43.1 35.4 53.2



#42
2,4,6-Tribromophenol
Concen: 102.212 ng
RT: 10.616 min Scan# 1450
Delta R.T. -0.006 min
Lab File: BF137205.D
Acq: 31 Jan 2024 12:36

Tgt Ion:330 Resp: 116825
Ion Ratio Lower Upper
330 100
332 96.4 77.3 115.9
141 30.5 25.2 37.8





#45

2-Fluorobiphenyl

Concen: 70.104 ng

RT: 9.145 min Scan# 11

Delta R.T. -0.006 min

Lab File: BF137205.D

Acq: 31 Jan 2024 12:36

Instrument :

BNA_F

ClientSampleId :

TP-38

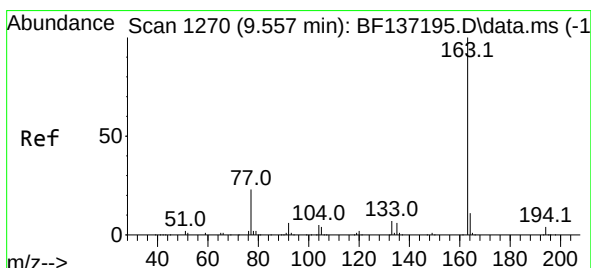
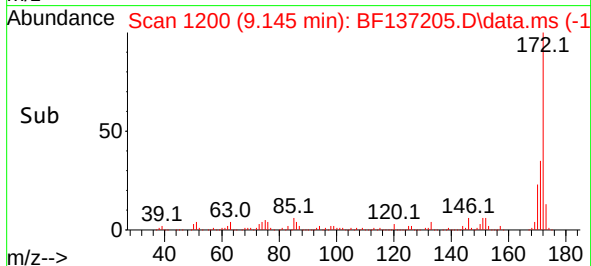
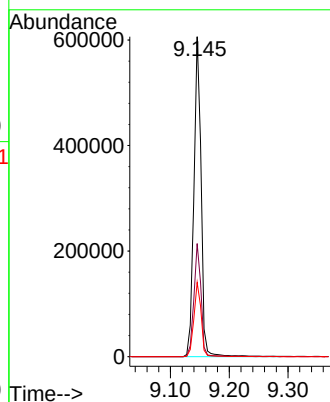
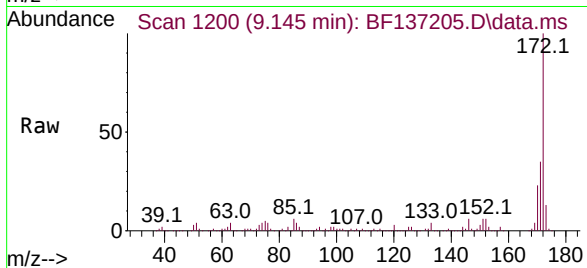
Tgt Ion:172 Resp: 516119

Ion Ratio Lower Upper

172 100

171 35.3 28.3 42.5

170 23.2 19.1 28.7



#50

Dimethylphthalate

Concen: 2.734 ng

RT: 9.822 min Scan# 1315

Delta R.T. 0.265 min

Lab File: BF137205.D

Acq: 31 Jan 2024 12:36

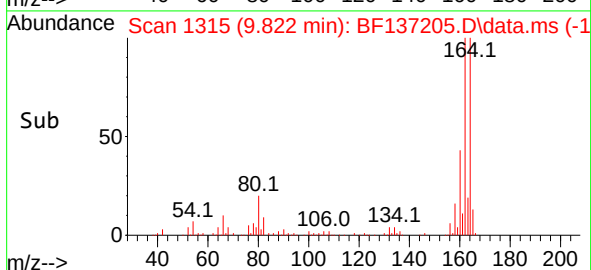
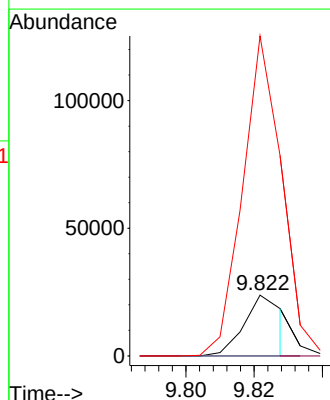
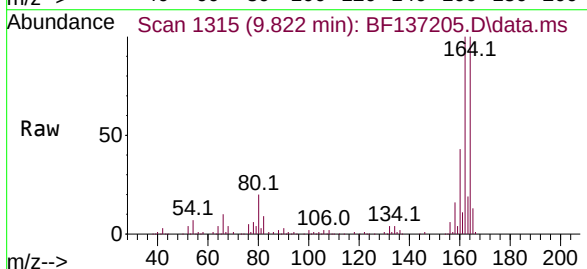
Tgt Ion:163 Resp: 18695

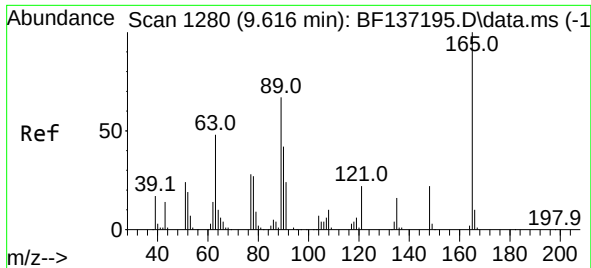
Ion Ratio Lower Upper

163 100

194 0.0 3.3 4.9#

164 526.3 8.6 13.0#

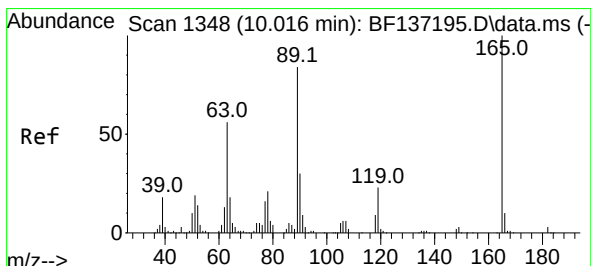
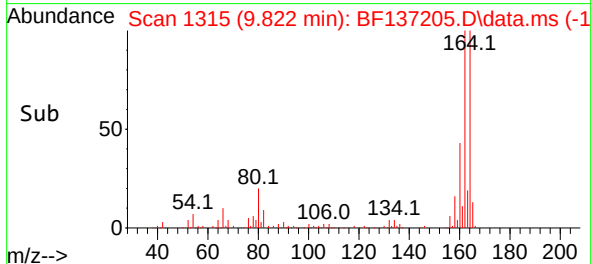
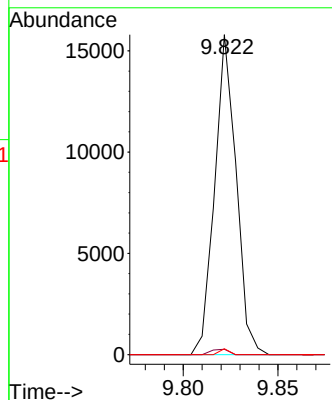
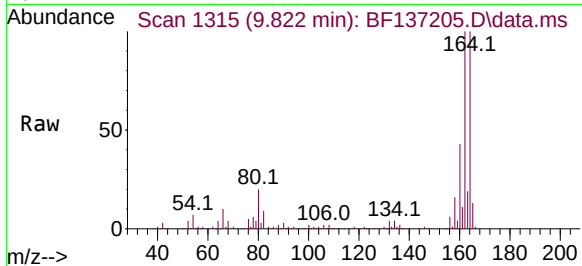




#51
2,6-Dinitrotoluene
Concen: 8.556 ng
RT: 9.822 min Scan# 1315
Delta R.T. 0.206 min
Lab File: BF137205.D
Acq: 31 Jan 2024 12:36

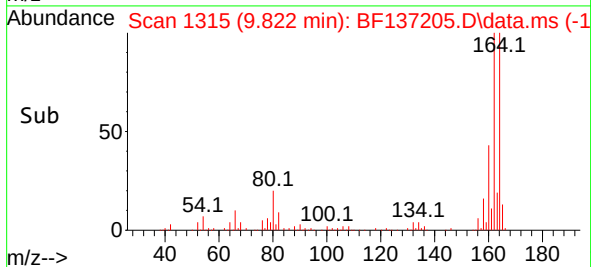
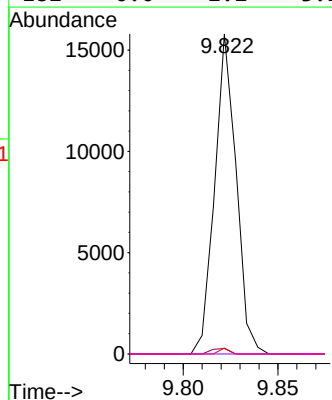
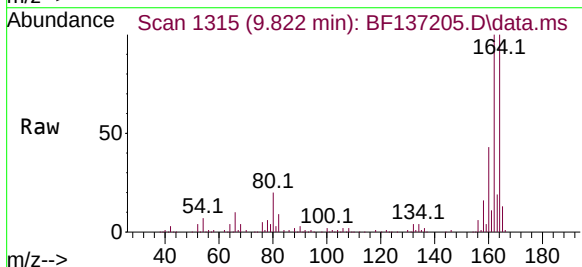
Instrument :
BNA_F
ClientSampleId :
TP-38

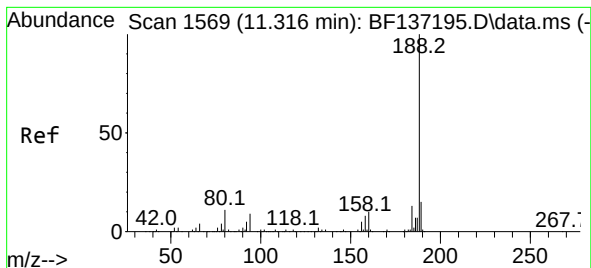
Tgt Ion:165 Resp: 12474
Ion Ratio Lower Upper
165 100
63 1.7 55.1 82.7#
89 1.8 53.5 80.3#



#57
2,4-Dinitrotoluene
Concen: 6.594 ng
RT: 9.822 min Scan# 1315
Delta R.T. -0.194 min
Lab File: BF137205.D
Acq: 31 Jan 2024 12:36

Tgt Ion:165 Resp: 12474
Ion Ratio Lower Upper
165 100
63 1.7 46.1 69.1#
89 1.8 67.5 101.3#
182 0.0 2.2 3.2#





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.316 min Scan# 11

Delta R.T. -0.000 min

Lab File: BF137205.D

Acq: 31 Jan 2024 12:36

Instrument :

BNA_F

ClientSampleId :

TP-38

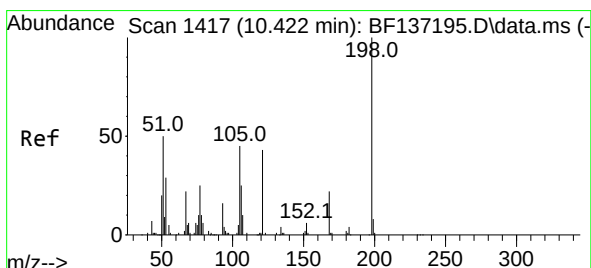
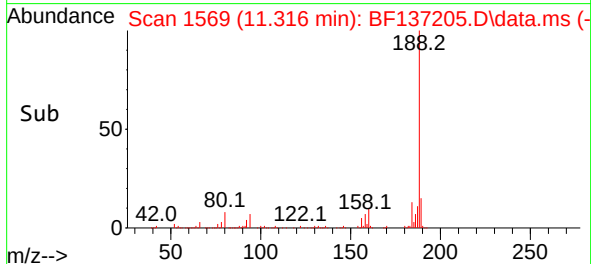
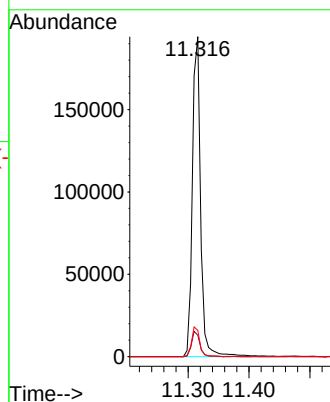
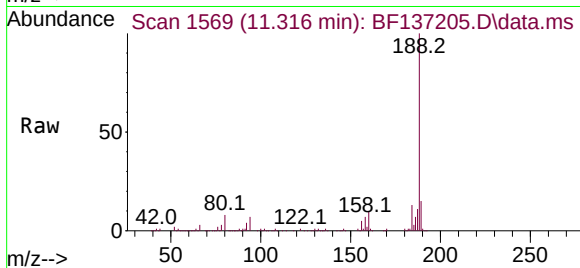
Tgt Ion:188 Resp: 182590

Ion Ratio Lower Upper

188 100

94 6.7 7.0 10.4#

80 8.2 8.8 13.2#



#65

4,6-Dinitro-2-methylphenol

Concen: 5.666 ng

RT: 10.610 min Scan# 1449

Delta R.T. 0.188 min

Lab File: BF137205.D

Acq: 31 Jan 2024 12:36

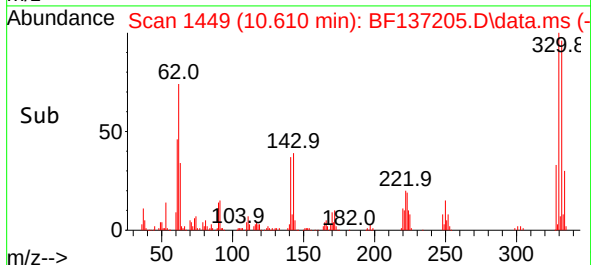
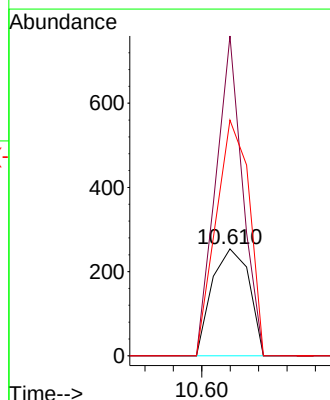
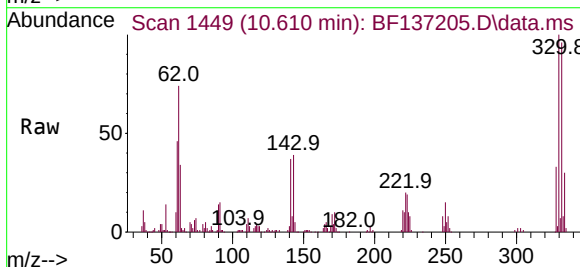
Tgt Ion:198 Resp: 231

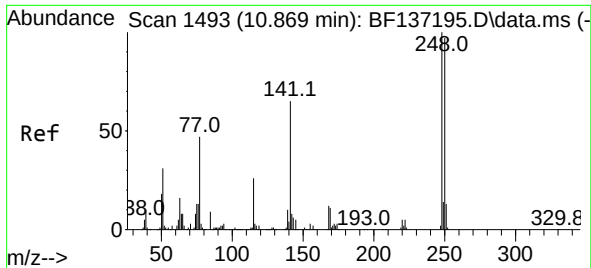
Ion Ratio Lower Upper

198 100

51 299.2 40.9 80.9#

105 220.5 26.5 66.5#

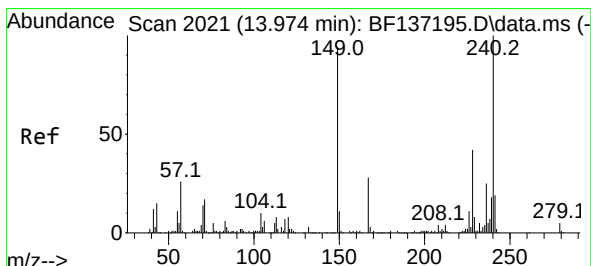
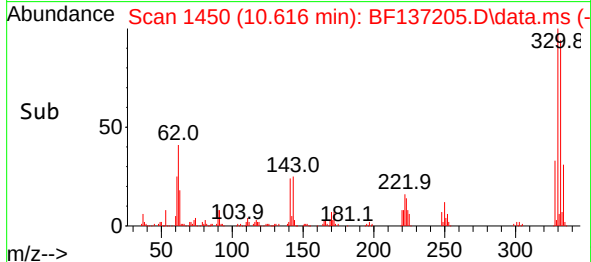
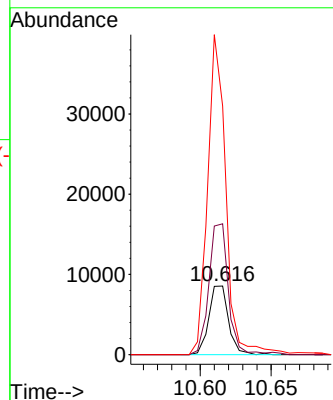
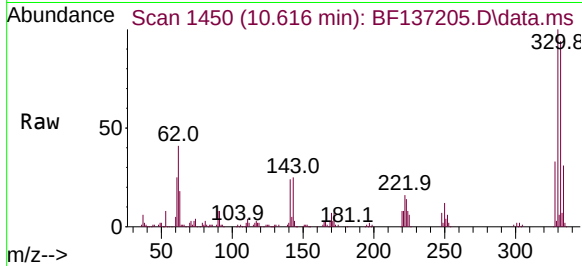




#67
4-Bromophenyl-phenylether
Concen: 4.099 ng
RT: 10.616 min Scan# 1493
Delta R.T. -0.253 min
Lab File: BF137205.D
Acq: 31 Jan 2024 12:36

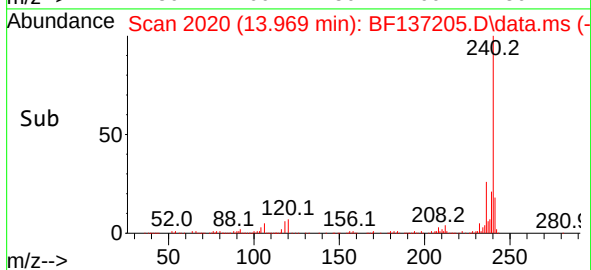
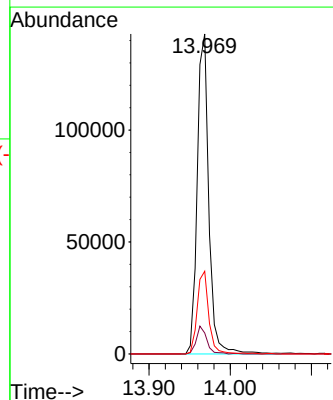
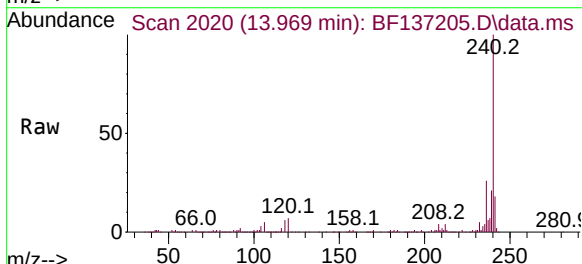
Instrument :
BNA_F
ClientSampleId :
TP-38

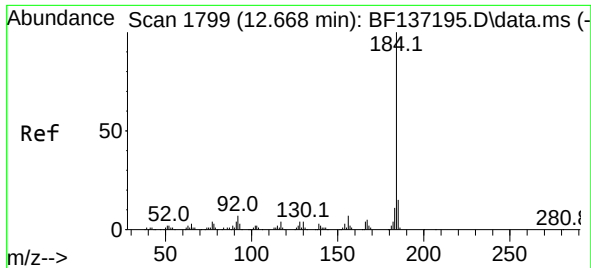
Tgt Ion:248 Resp: 8230
Ion Ratio Lower Upper
248 100
250 190.6 77.7 116.5#
141 362.4 51.6 77.4#



#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.969 min Scan# 2020
Delta R.T. -0.006 min
Lab File: BF137205.D
Acq: 31 Jan 2024 12:36

Tgt Ion:240 Resp: 140653
Ion Ratio Lower Upper
240 100
120 6.6 6.3 9.5
236 25.8 20.3 30.5

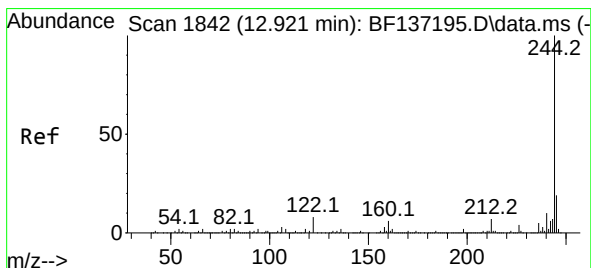
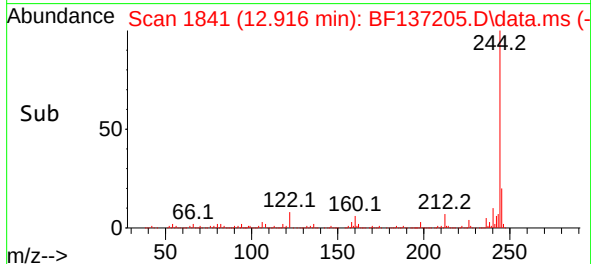
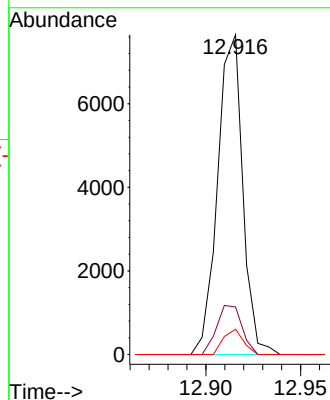
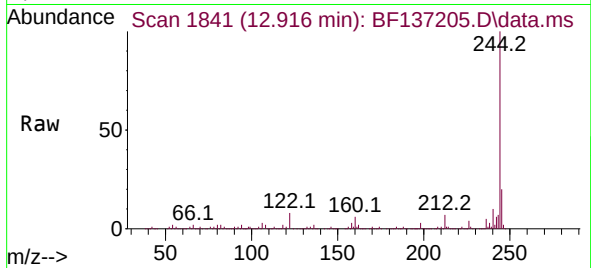




#77
Benzidine
Concen: 2.809 ng
RT: 12.916 min Scan# 1841
Delta R.T. 0.248 min
Lab File: BF137205.D
Acq: 31 Jan 2024 12:36

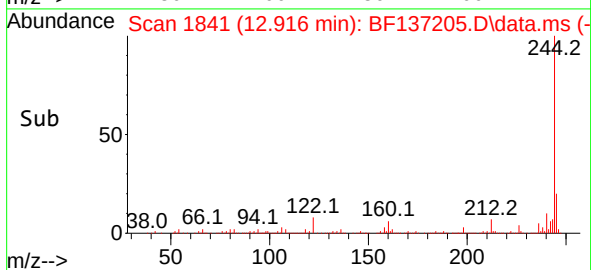
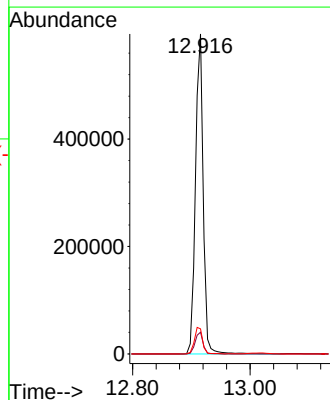
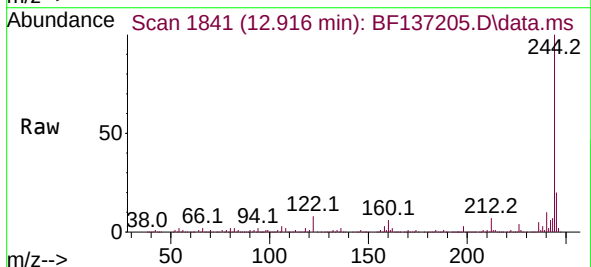
Instrument :
BNA_F
ClientSampleId :
TP-38

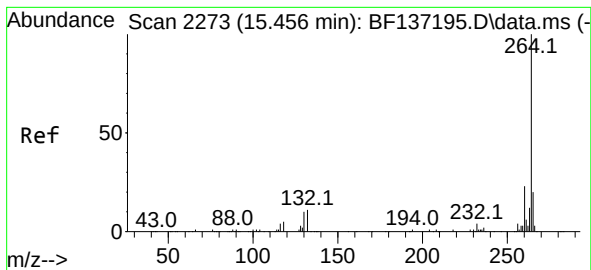
Tgt Ion:184 Resp: 7075
Ion Ratio Lower Upper
184 100
185 14.9 11.9 17.9
183 7.9 8.8 13.2#



#79
Terphenyl-d14
Concen: 52.381 ng
RT: 12.916 min Scan# 1841
Delta R.T. -0.006 min
Lab File: BF137205.D
Acq: 31 Jan 2024 12:36

Tgt Ion:244 Resp: 541949
Ion Ratio Lower Upper
244 100
212 6.8 5.5 8.3
122 7.8 6.2 9.4





#86

Perylene-d12

Concen: 20.000 ng

RT: 15.445 min Scan# 21

Delta R.T. -0.012 min

Lab File: BF137205.D

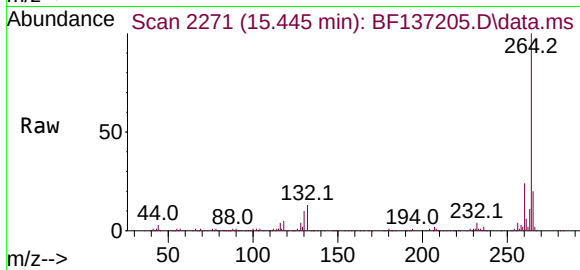
Acq: 31 Jan 2024 12:36

Instrument :

BNA_F

ClientSampleId :

TP-38



Tgt Ion:264 Resp: 165283

Ion Ratio Lower Upper

264 100

260 23.9 18.2 27.4

265 20.5 16.2 24.2

