

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF030624\
 Data File : BF137520.D
 Acq On : 06 Mar 2024 15:55
 Operator : CG\JU
 Sample : P1685-01
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 72-12002

Quant Time: Mar 06 16:16:07 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF022924.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Mar 06 00:07:28 2024
 Response via : Initial Calibration

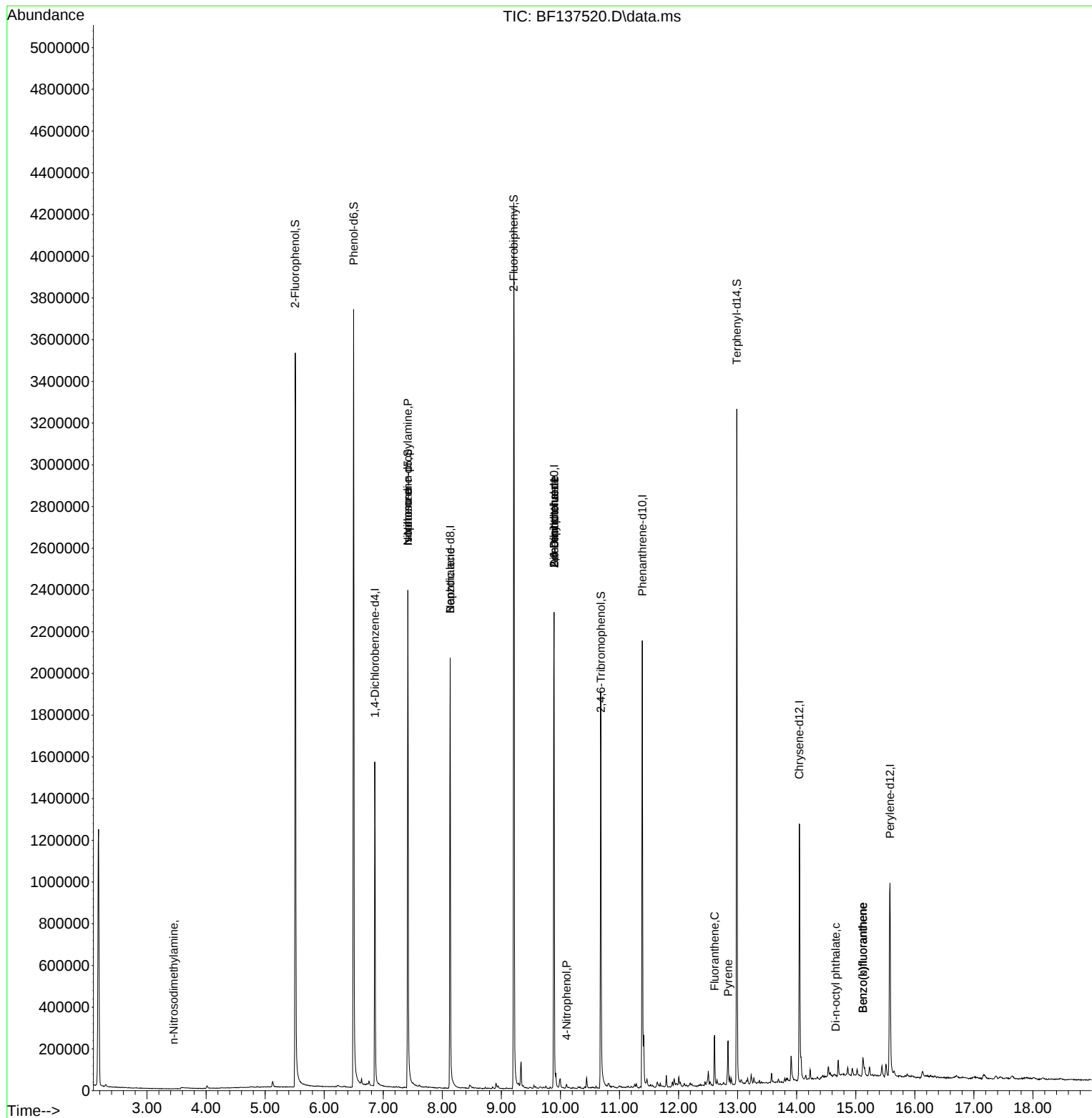
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.857	152	229825	20.000	ng	0.00
21) Naphthalene-d8	8.134	136	909353	20.000	ng	0.00
39) Acenaphthene-d10	9.892	164	486733	20.000	ng	0.00
64) Phenanthrene-d10	11.386	188	770992	20.000	ng	0.00
76) Chrysene-d12	14.045	240	407799	20.000	ng	0.00
86) Perylene-d12	15.580	264	472262	20.000	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.510	112	1030883	67.935	ng	0.00
7) Phenol-d6	6.498	99	1414781	64.590	ng	0.00
23) Nitrobenzene-d5	7.416	82	863041	44.098	ng	-0.01
42) 2,4,6-Tribromophenol	10.686	330	224218	52.457	ng	0.00
45) 2-Fluorobiphenyl	9.210	172	1374646	44.209	ng	0.00
79) Terphenyl-d14	12.986	244	1077079	36.319	ng	0.00
Target Compounds						
4) n-Nitrosodimethylamine	3.451	42	41	3.813	ng	# 1
19) n-Nitroso-di-n-propyla...	7.416	70	108701	8.036	ng	# 81
25) Isophorone	7.416	82	863037	23.211	ng	# 69
32) Benzoic acid	8.134	122	346	6.334	ng	# 1
50) Dimethylphthalate	9.892	163	78863	2.328	ng	# 1
51) 2,6-Dinitrotoluene	9.892	165	62506	8.820	ng	# 20
56) 4-Nitrophenol	10.104	139	3725	5.185	ng	# 8
57) 2,4-Dinitrotoluene	9.892	165	62652	7.196	ng	# 21
75) Fluoranthene	12.610	202	106228	2.590	ng	98
78) Pyrene	12.839	202	90468	2.261	ng	97
85) Di-n-octyl phthalate	14.663	149	4996	5.783	ng	# 72
88) Benzo(b)fluoranthene	15.121	252	68406	2.449	ng	98
89) Benzo(k)fluoranthene	15.121	252	68406	2.280	ng	98

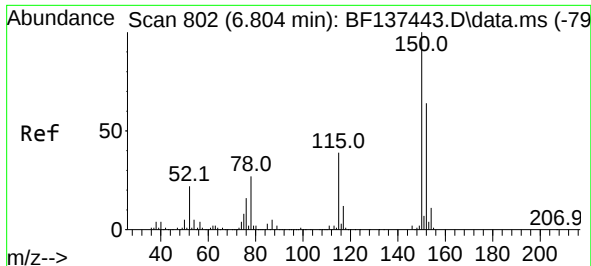
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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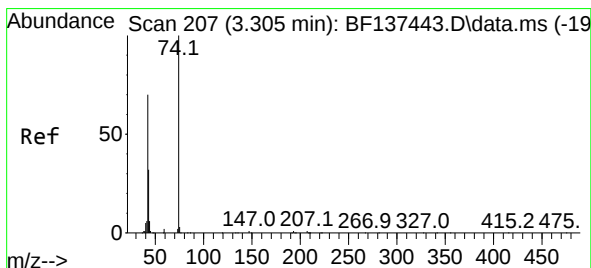
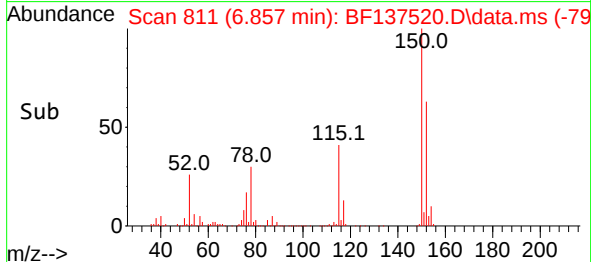
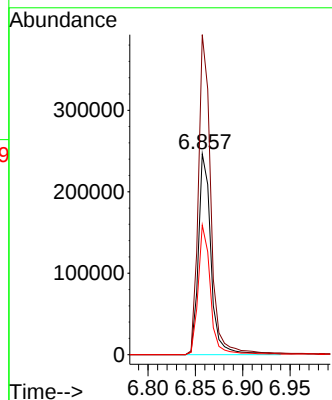
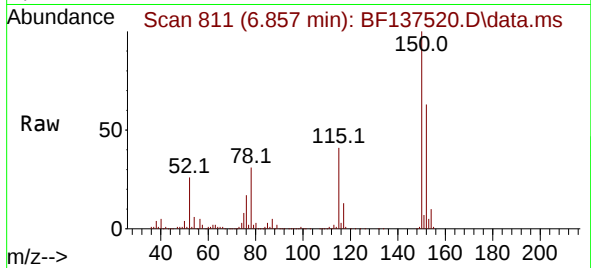




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.857 min Scan# 811
Delta R.T. -0.006 min
Lab File: BF137520.D
Acq: 06 Mar 2024 15:55

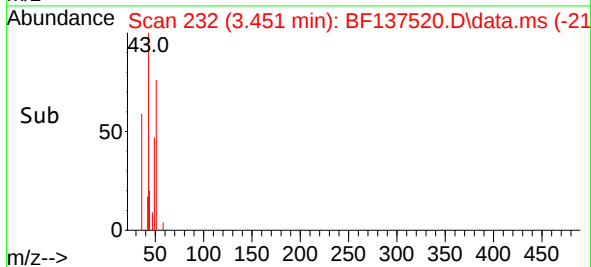
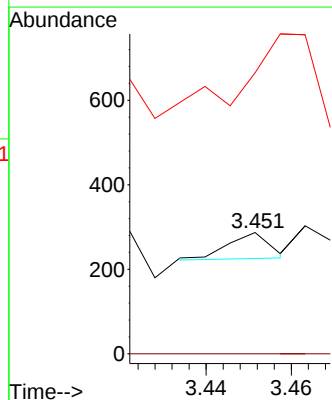
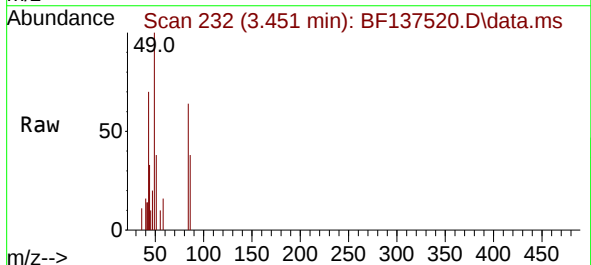
Instrument :
BNA_F
ClientSampleId :
72-12002

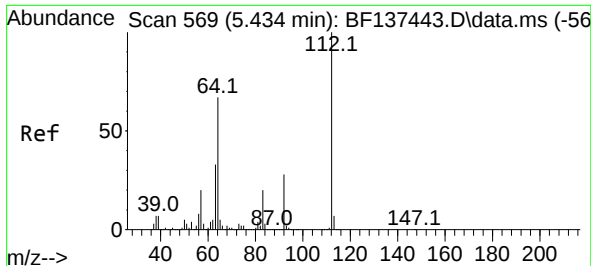
Tgt Ion:152 Resp: 229825
Ion Ratio Lower Upper
152 100
150 159.3 125.8 188.6
115 64.6 48.8 73.2



#4
n-Nitrosodimethylamine
Concen: 3.813 ng
RT: 3.451 min Scan# 232
Delta R.T. 0.006 min
Lab File: BF137520.D
Acq: 06 Mar 2024 15:55

Tgt Ion: 42 Resp: 41
Ion Ratio Lower Upper
42 100
74 0.0 114.0 171.0#
44 231.7 7.0 10.4#

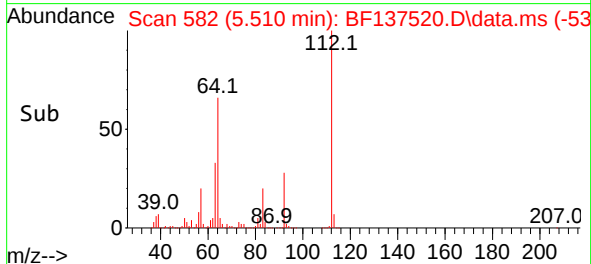
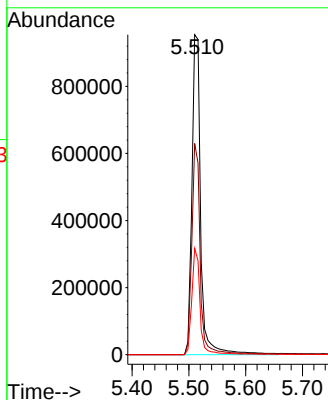
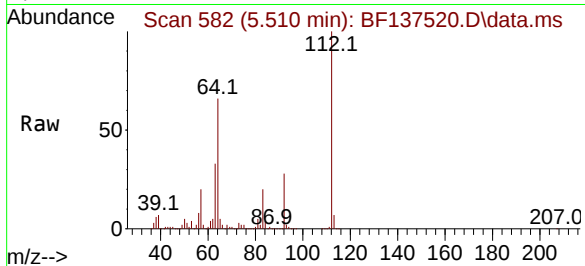




#5
2-Fluorophenol
Concen: 67.935 ng
RT: 5.510 min Scan# 51
Delta R.T. 0.000 min
Lab File: BF137520.D
Acq: 06 Mar 2024 15:55

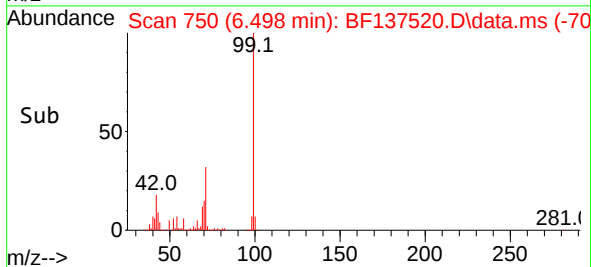
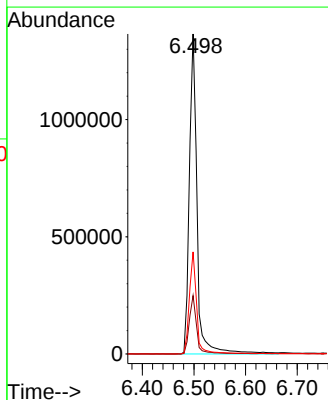
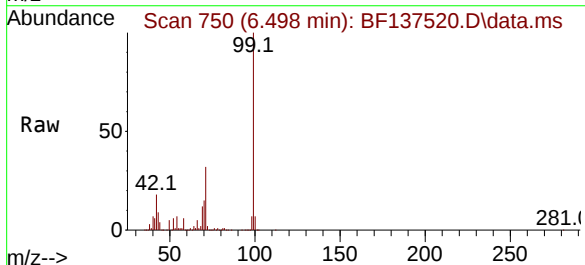
Instrument :
BNA_F
ClientSampleId :
72-12002

Tgt Ion:112 Resp: 1030883
Ion Ratio Lower Upper
112 100
64 66.0 53.4 80.2
63 33.2 26.2 39.2



#7
Phenol-d6
Concen: 64.590 ng
RT: 6.498 min Scan# 750
Delta R.T. -0.006 min
Lab File: BF137520.D
Acq: 06 Mar 2024 15:55

Tgt Ion: 99 Resp: 1414781
Ion Ratio Lower Upper
99 100
42 18.3 14.6 21.8
71 31.9 25.3 37.9



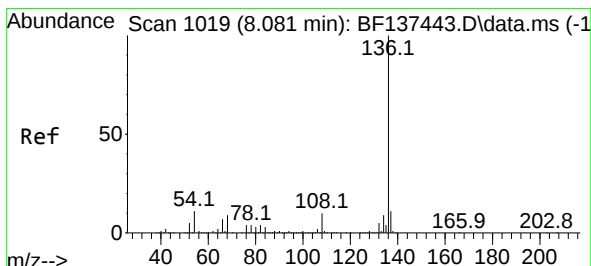
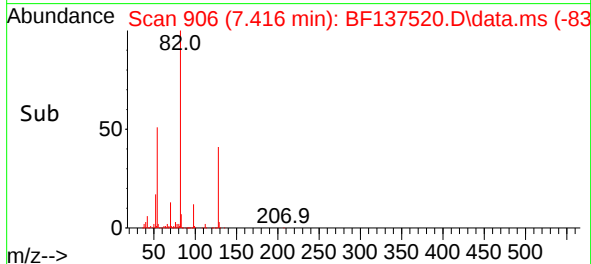
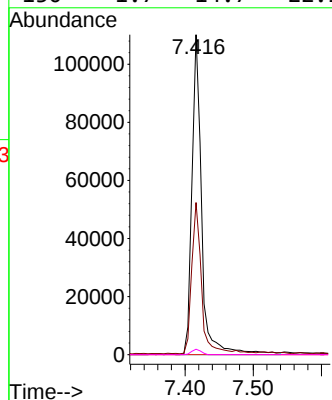
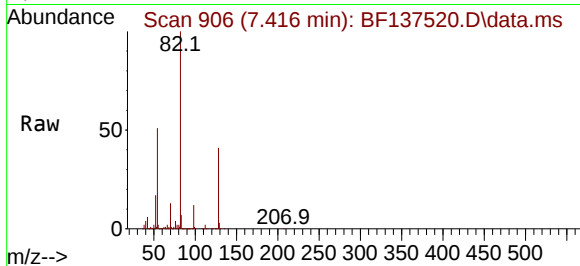


#19
n-Nitroso-di-n-propylamine
Concen: 8.036 ng
RT: 7.416 min Scan# 90
Delta R.T. 0.135 min
Lab File: BF137520.D
Acq: 06 Mar 2024 15:55

Instrument :
BNA_F
ClientSampleId :
72-12002

Tgt Ion: 70 Resp: 108701

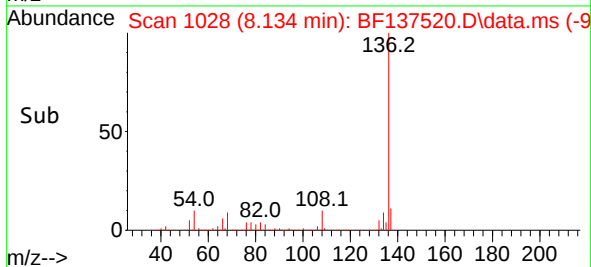
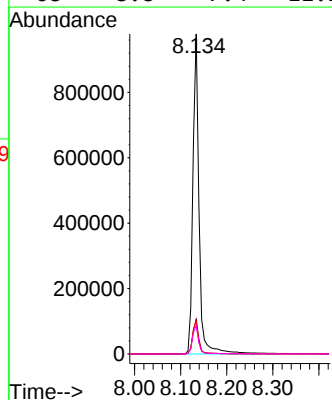
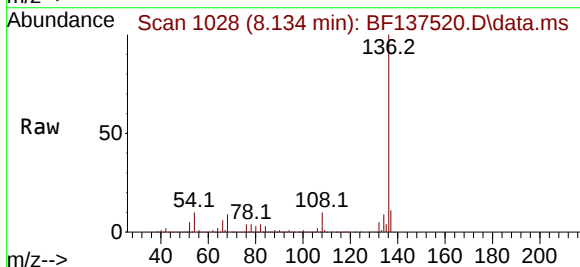
Ion	Ratio	Lower	Upper
70	100		
42	47.6	45.2	67.8
101	0.0	7.3	10.9#
130	1.7	14.7	22.1#

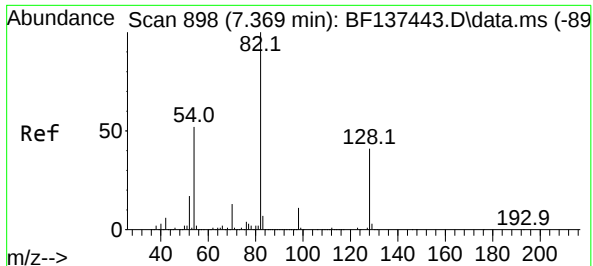


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.134 min Scan# 1028
Delta R.T. 0.000 min
Lab File: BF137520.D
Acq: 06 Mar 2024 15:55

Tgt Ion: 136 Resp: 909353

Ion	Ratio	Lower	Upper
136	100		
137	10.9	9.1	13.7
54	10.1	8.5	12.7
68	8.8	7.4	11.2





#23

Nitrobenzene-d5

Concen: 44.098 ng

RT: 7.416 min Scan# 906

Delta R.T. -0.012 min

Lab File: BF137520.D

Acq: 06 Mar 2024 15:55

Instrument :

BNA_F

ClientSampleId :

72-12002

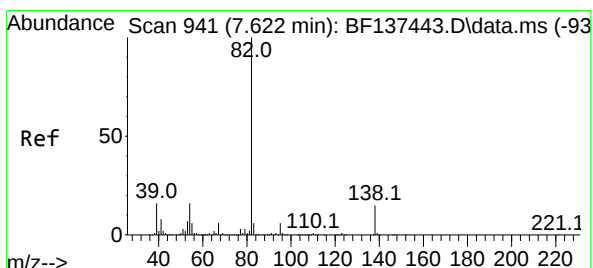
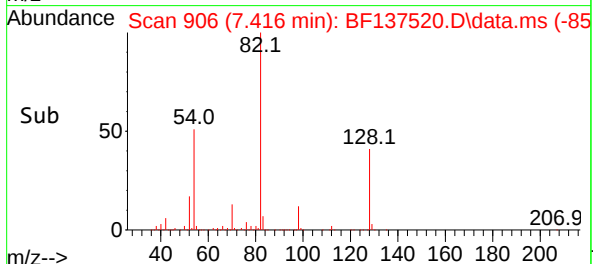
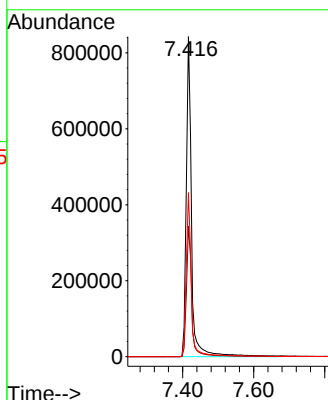
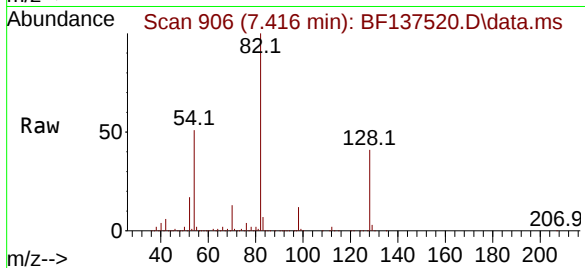
Tgt Ion: 82 Resp: 863041

Ion Ratio Lower Upper

82 100

128 40.8 32.5 48.7

54 51.3 41.5 62.3



#25

Isophorone

Concen: 23.211 ng

RT: 7.416 min Scan# 906

Delta R.T. -0.265 min

Lab File: BF137520.D

Acq: 06 Mar 2024 15:55

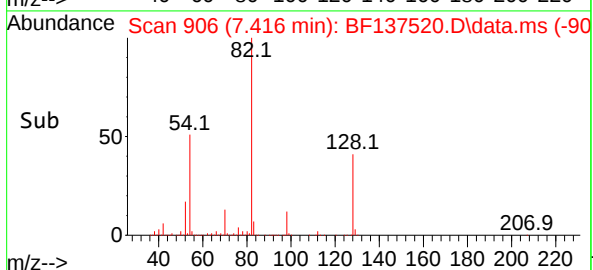
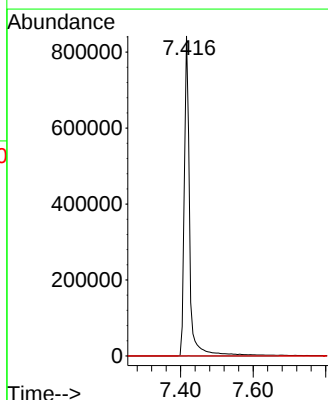
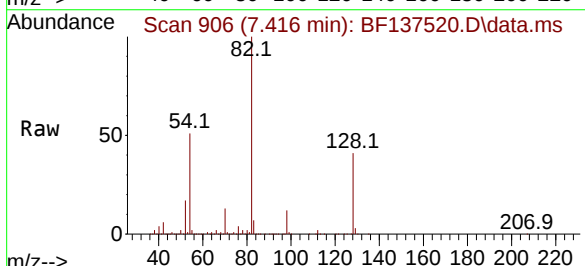
Tgt Ion: 82 Resp: 863037

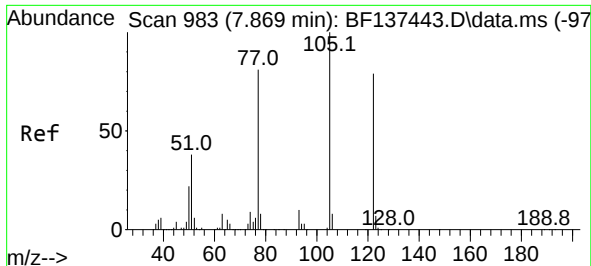
Ion Ratio Lower Upper

82 100

95 0.0 5.1 7.7#

138 0.0 11.8 17.8#

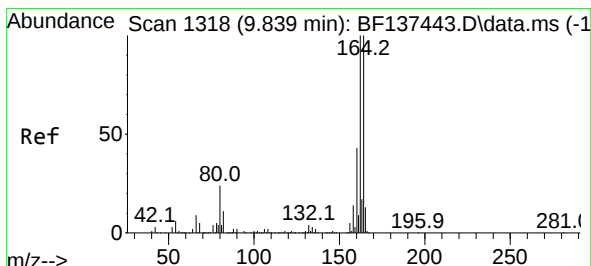
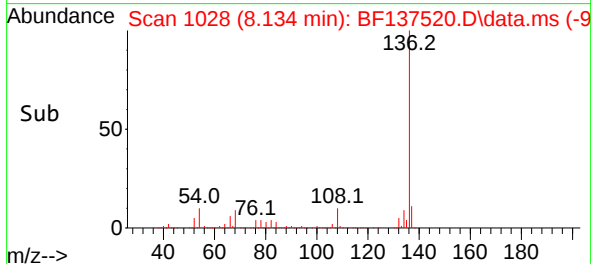
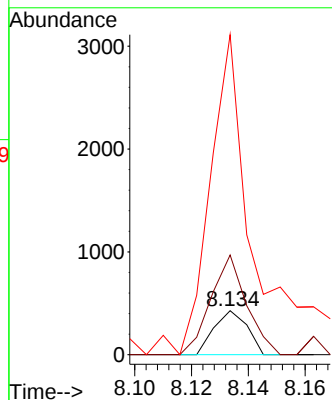
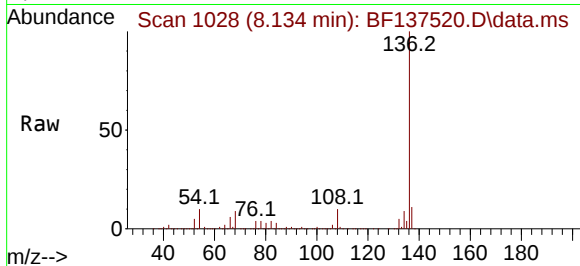




#32
Benzoic acid
Concen: 6.334 ng
RT: 8.134 min Scan# 1028
Delta R.T. 0.206 min
Lab File: BF137520.D
Acq: 06 Mar 2024 15:55

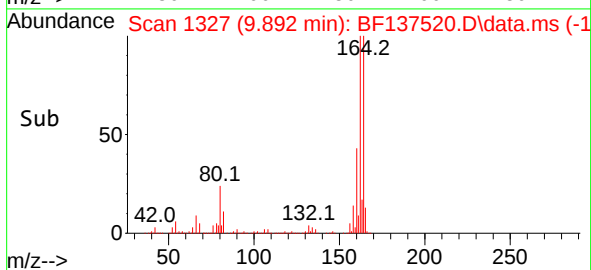
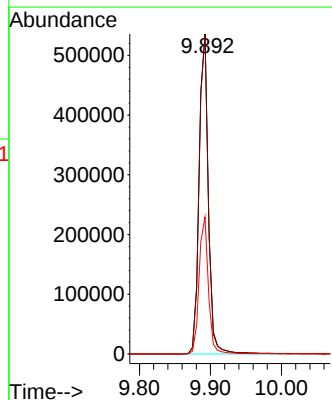
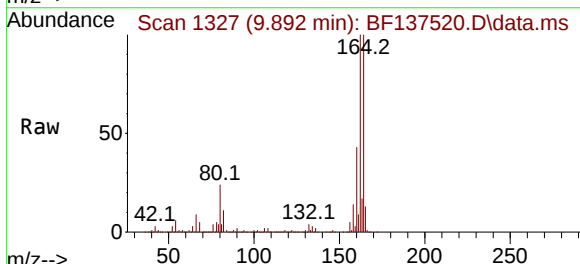
Instrument :
BNA_F
ClientSampleId :
72-12002

Tgt Ion:122 Resp: 346
Ion Ratio Lower Upper
122 100
105 226.1 102.4 142.4#
77 725.4 81.1 121.1#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.892 min Scan# 1327
Delta R.T. 0.000 min
Lab File: BF137520.D
Acq: 06 Mar 2024 15:55

Tgt Ion:164 Resp: 486733
Ion Ratio Lower Upper
164 100
162 99.9 79.8 119.8
160 42.8 34.4 51.6





#42

2,4,6-Tribromophenol

Concen: 52.457 ng

RT: 10.686 min Scan# 1453

Delta R.T. -0.006 min

Lab File: BF137520.D

Acq: 06 Mar 2024 15:55

Instrument :

BNA_F

ClientSampleId :

72-12002

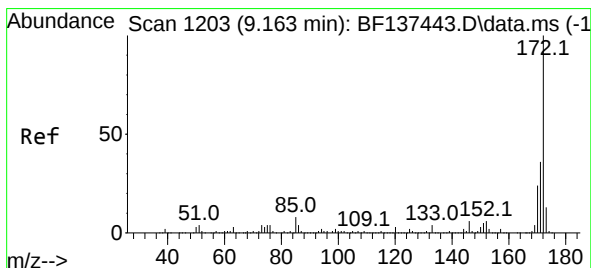
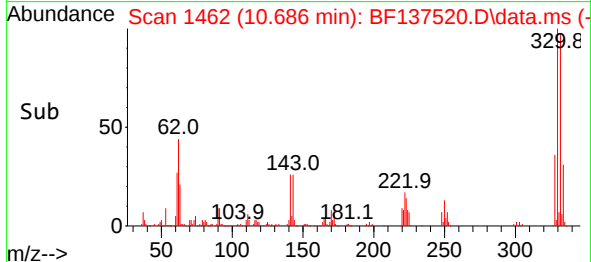
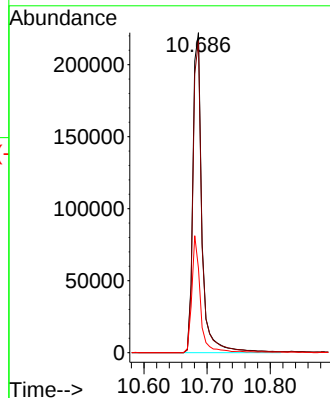
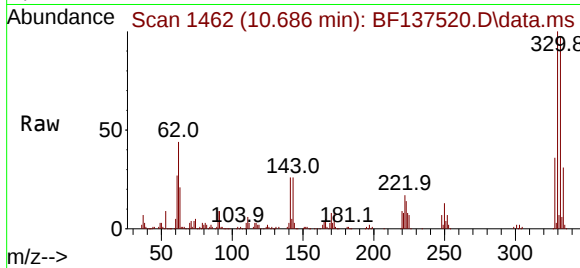
Tgt Ion:330 Resp: 224218

Ion Ratio Lower Upper

330 100

332 97.0 78.0 117.0

141 34.7 27.3 40.9



#45

2-Fluorobiphenyl

Concen: 44.209 ng

RT: 9.210 min Scan# 1211

Delta R.T. -0.006 min

Lab File: BF137520.D

Acq: 06 Mar 2024 15:55

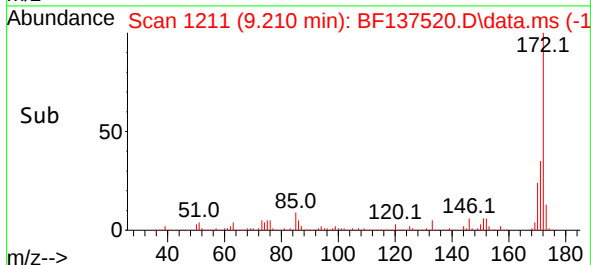
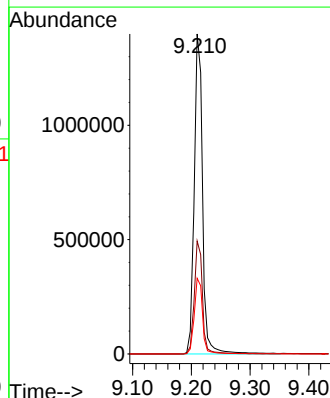
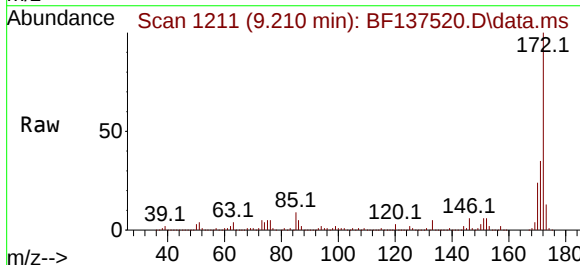
Tgt Ion:172 Resp: 1374646

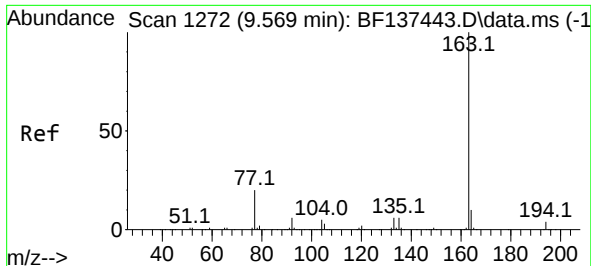
Ion Ratio Lower Upper

172 100

171 35.3 28.5 42.7

170 23.6 19.0 28.6

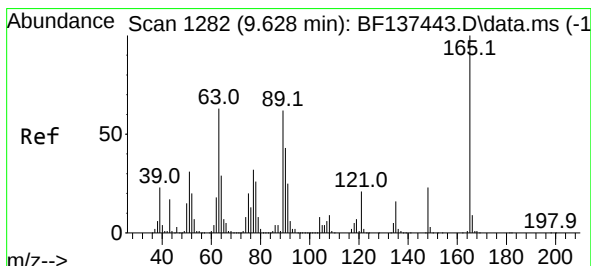
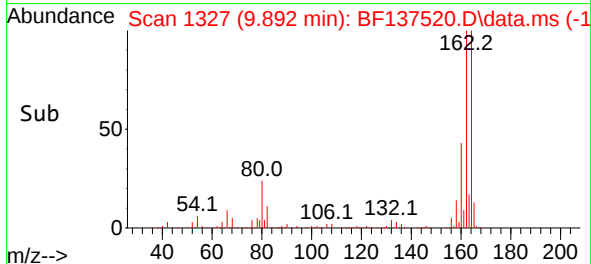
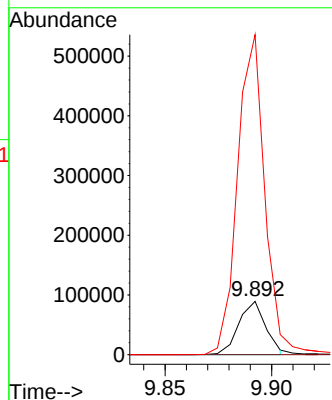
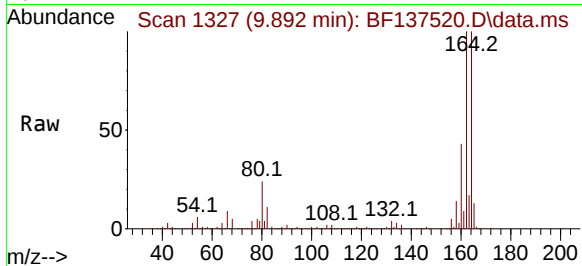




#50
Dimethylphthalate
Concen: 2.328 ng
RT: 9.892 min Scan# 11
Delta R.T. 0.265 min
Lab File: BF137520.D
Acq: 06 Mar 2024 15:55

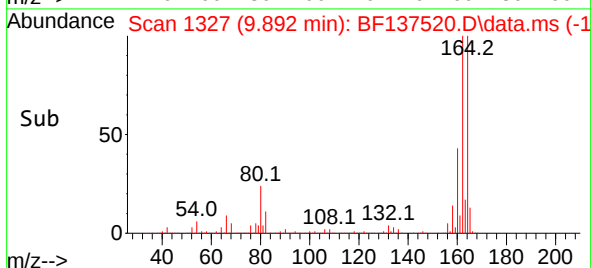
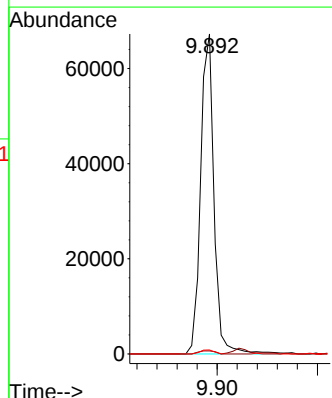
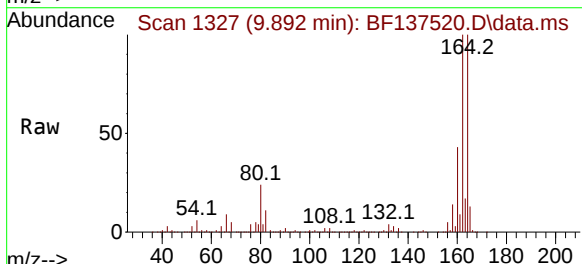
Instrument :
BNA_F
ClientSampleId :
72-12002

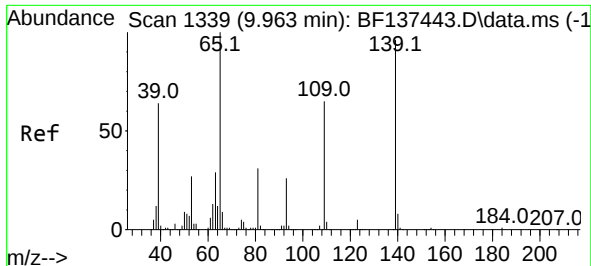
Tgt Ion:163 Resp: 78863
Ion Ratio Lower Upper
163 100
194 0.0 3.3 4.9#
164 599.8 8.1 12.1#



#51
2,6-Dinitrotoluene
Concen: 8.820 ng
RT: 9.892 min Scan# 1327
Delta R.T. 0.206 min
Lab File: BF137520.D
Acq: 06 Mar 2024 15:55

Tgt Ion:165 Resp: 62506
Ion Ratio Lower Upper
165 100
63 1.0 50.7 76.1#
89 1.3 50.0 75.0#

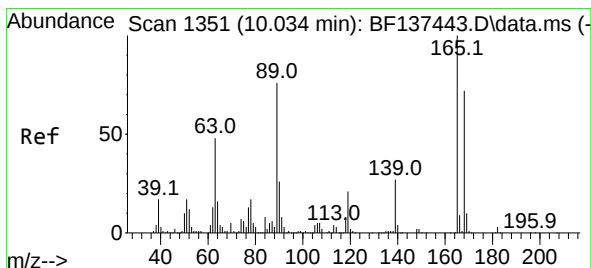
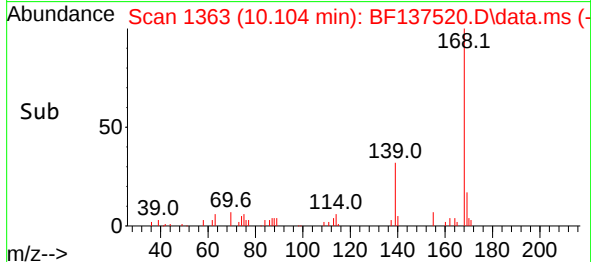
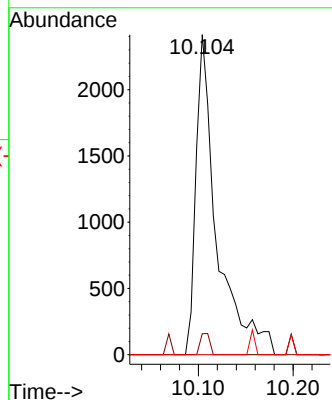
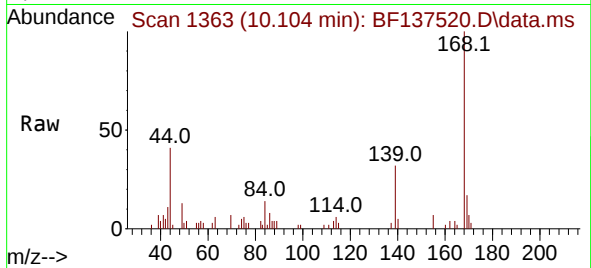




#56
4-Nitrophenol
Concen: 5.185 ng
RT: 10.104 min Scan# 11
Delta R.T. 0.082 min
Lab File: BF137520.D
Acq: 06 Mar 2024 15:55

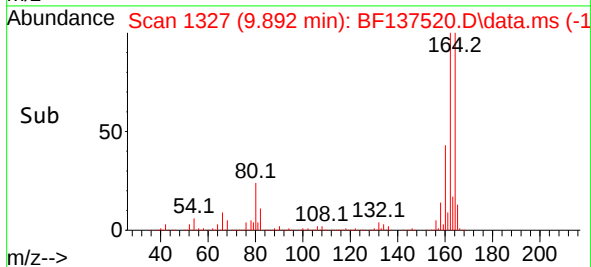
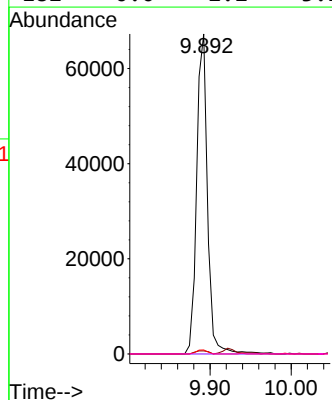
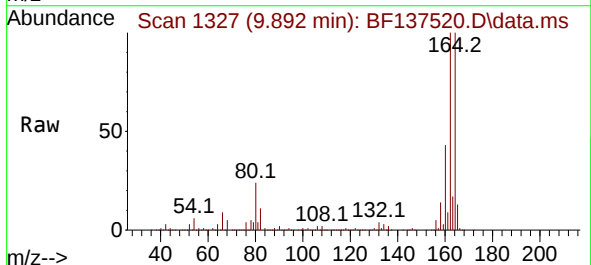
Instrument :
BNA_F
ClientSampleId :
72-12002

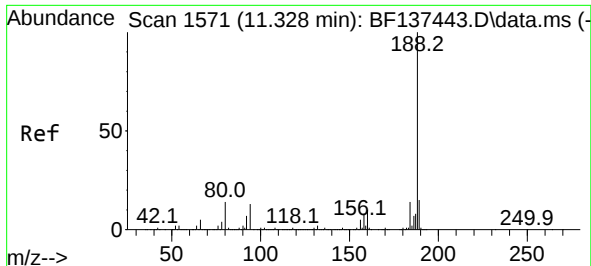
Tgt Ion:139 Resp: 3725
Ion Ratio Lower Upper
139 100
109 6.6 47.1 87.1#
65 0.0 85.1 125.1#



#57
2,4-Dinitrotoluene
Concen: 7.196 ng
RT: 9.892 min Scan# 1327
Delta R.T. -0.200 min
Lab File: BF137520.D
Acq: 06 Mar 2024 15:55

Tgt Ion:165 Resp: 62652
Ion Ratio Lower Upper
165 100
63 1.0 39.0 58.6#
89 1.3 60.9 91.3#
182 0.0 2.2 3.2#

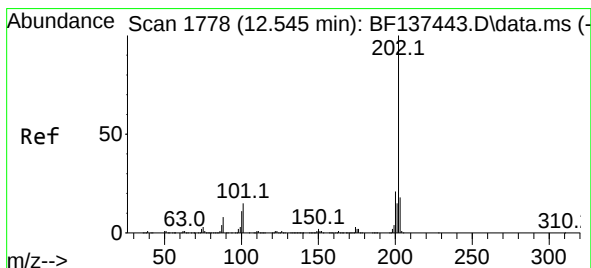
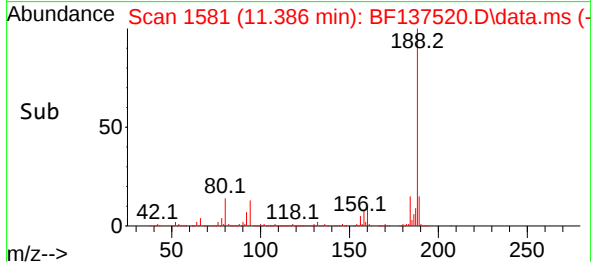
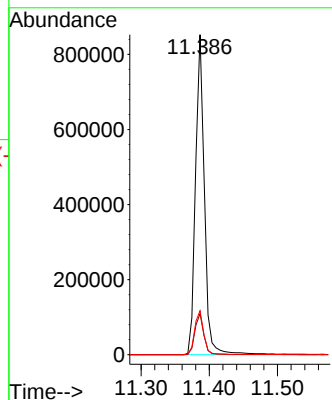
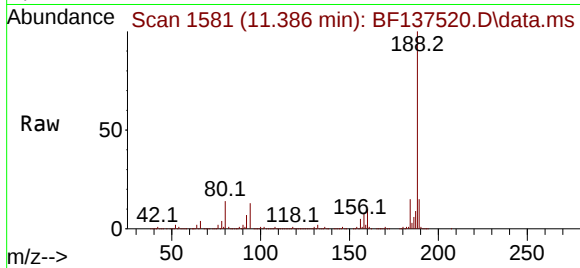




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.386 min Scan# 11
Delta R.T. 0.000 min
Lab File: BF137520.D
Acq: 06 Mar 2024 15:55

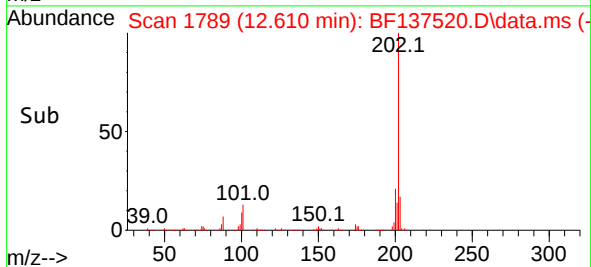
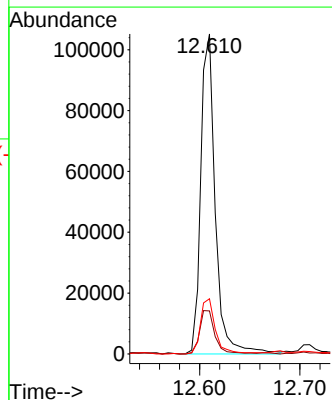
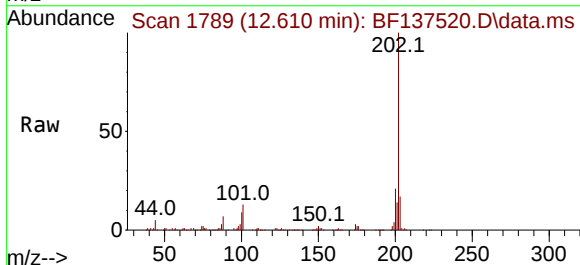
Instrument :
BNA_F
ClientSampleId :
72-12002

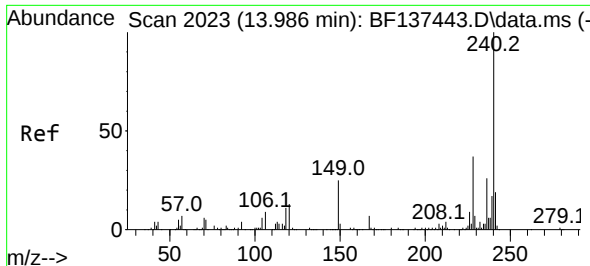
Tgt Ion:188 Resp: 770992
Ion Ratio Lower Upper
188 100
94 12.8 10.6 15.8
80 13.7 11.5 17.3



#75
Fluoranthene
Concen: 2.590 ng
RT: 12.610 min Scan# 1789
Delta R.T. 0.000 min
Lab File: BF137520.D
Acq: 06 Mar 2024 15:55

Tgt Ion:202 Resp: 106228
Ion Ratio Lower Upper
202 100
101 13.5 0.0 35.0
203 17.2 0.0 37.7

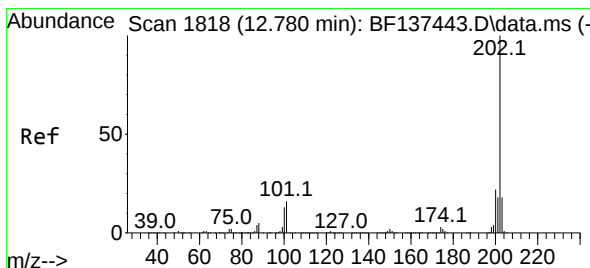
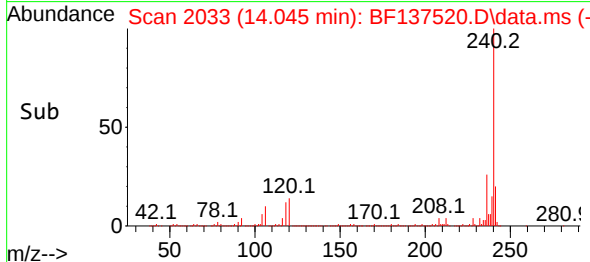
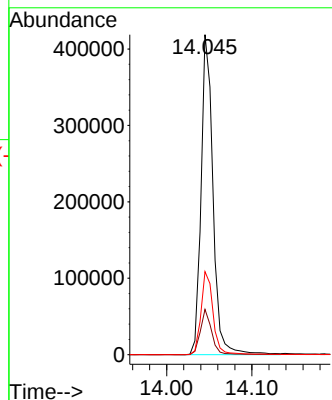
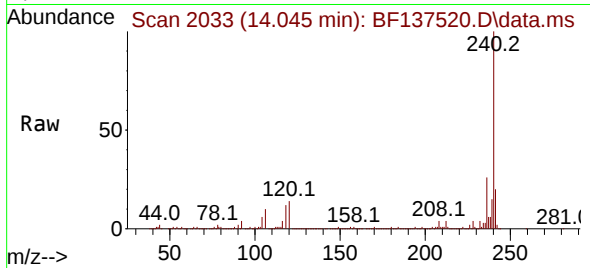




#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.045 min Scan# 20
Delta R.T. -0.006 min
Lab File: BF137520.D
Acq: 06 Mar 2024 15:55

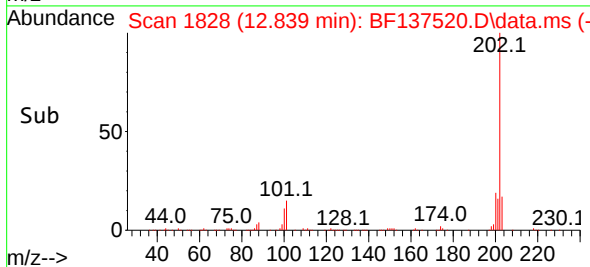
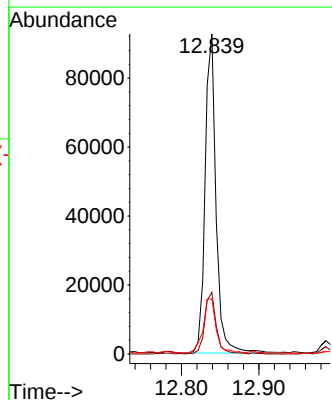
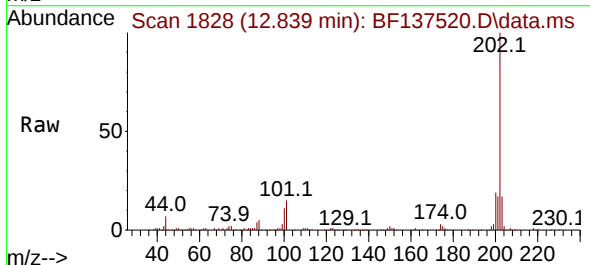
Instrument :
BNA_F
ClientSampleId :
72-12002

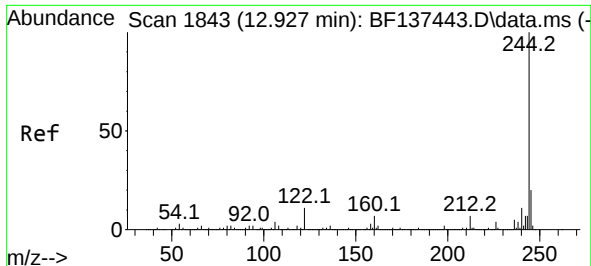
Tgt Ion:240 Resp: 407799
Ion Ratio Lower Upper
240 100
120 14.1 10.4 15.6
236 25.9 20.9 31.3



#78
Pyrene
Concen: 2.261 ng
RT: 12.839 min Scan# 1828
Delta R.T. 0.000 min
Lab File: BF137520.D
Acq: 06 Mar 2024 15:55

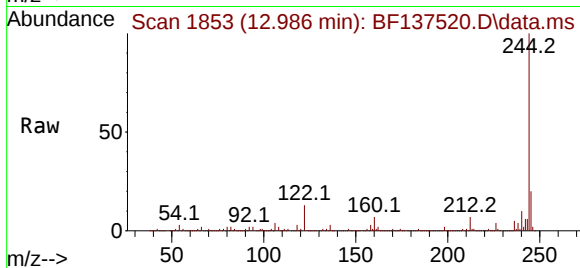
Tgt Ion:202 Resp: 90468
Ion Ratio Lower Upper
202 100
200 19.2 17.4 26.2
203 17.2 14.1 21.1



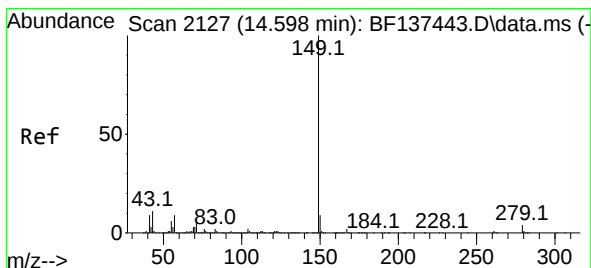
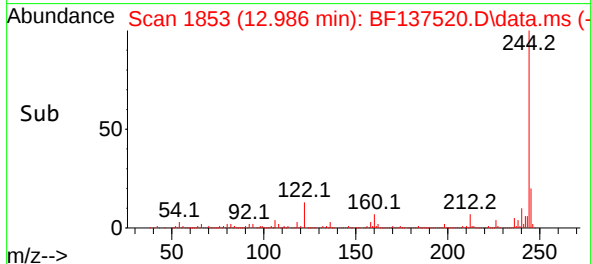
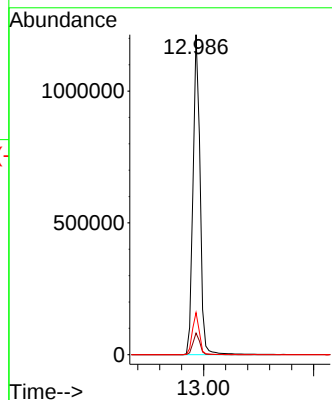


#79
Terphenyl-d14
Concen: 36.319 ng
RT: 12.986 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF137520.D
Acq: 06 Mar 2024 15:55

Instrument :
BNA_F
ClientSampleId :
72-12002

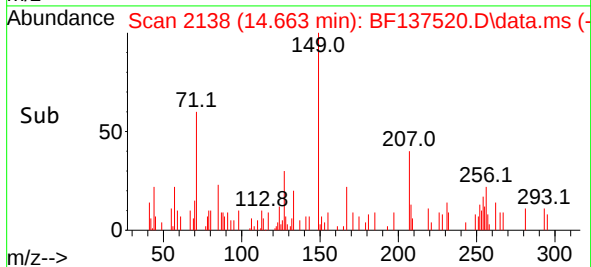
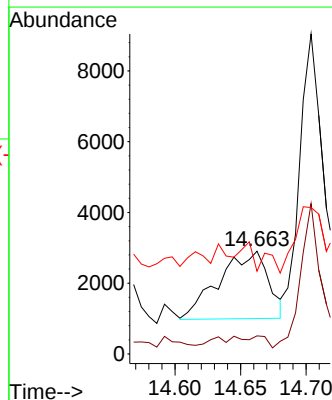
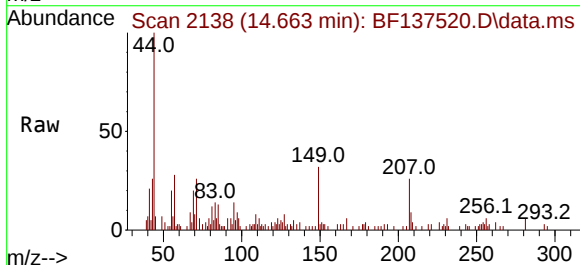


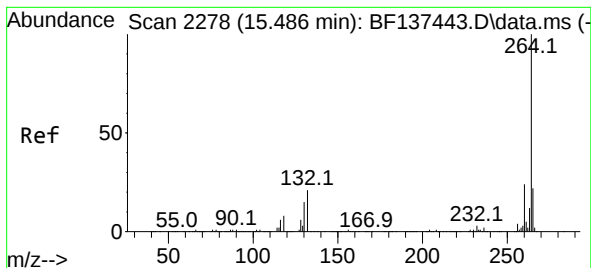
Tgt Ion:244 Resp: 1077079
Ion Ratio Lower Upper
244 100
212 6.7 5.4 8.2
122 13.1 9.1 13.7



#85
Di-n-octyl phthalate
Concen: 5.783 ng
RT: 14.663 min Scan# 2138
Delta R.T. 0.000 min
Lab File: BF137520.D
Acq: 06 Mar 2024 15:55

Tgt Ion:149 Resp: 4996
Ion Ratio Lower Upper
149 100
167 0.0 1.2 1.8#
43 0.0 9.6 14.4#





#86

Perylene-d12

Concen: 20.000 ng

RT: 15.580 min Scan# 2116

Delta R.T. 0.012 min

Lab File: BF137520.D

Acq: 06 Mar 2024 15:55

Instrument :

BNA_F

ClientSampleId :

72-12002

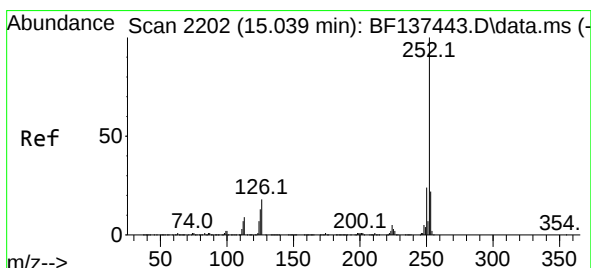
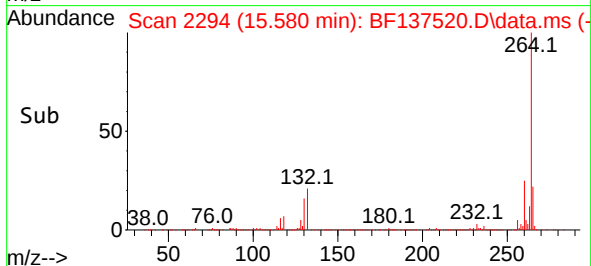
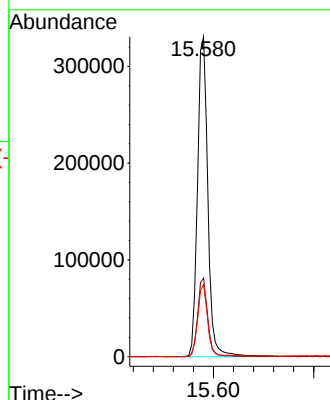
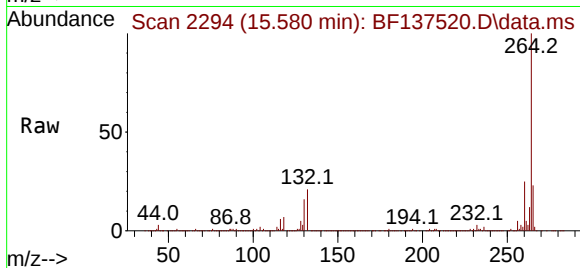
Tgt Ion:264 Resp: 472262

Ion Ratio Lower Upper

264 100

260 24.5 19.3 28.9

265 22.6 17.4 26.0



#88

Benzo(b)fluoranthene

Concen: 2.449 ng

RT: 15.121 min Scan# 2216

Delta R.T. 0.006 min

Lab File: BF137520.D

Acq: 06 Mar 2024 15:55

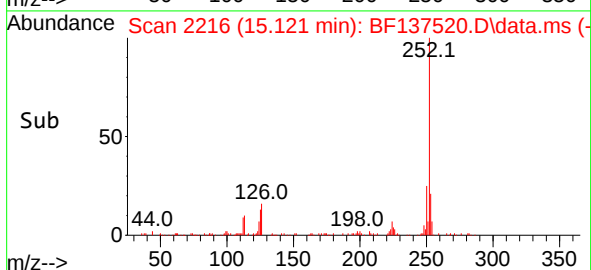
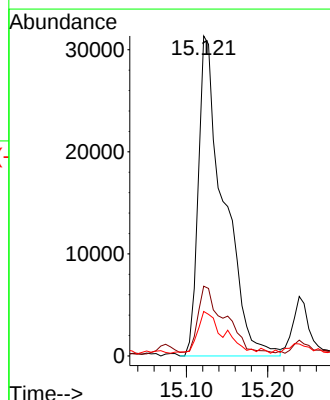
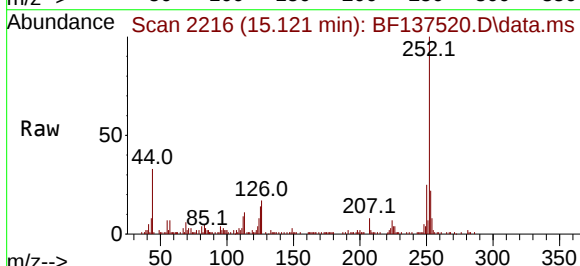
Tgt Ion:252 Resp: 68406

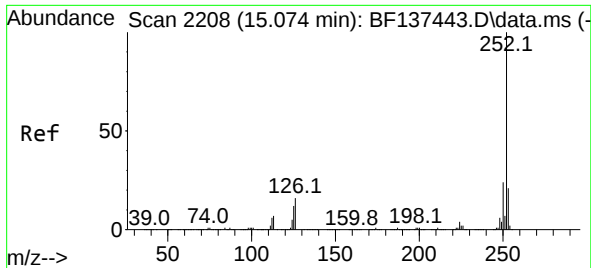
Ion Ratio Lower Upper

252 100

253 21.8 17.8 26.8

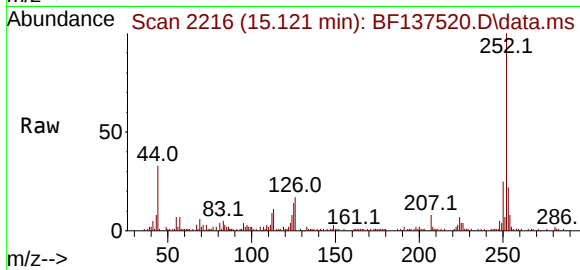
125 13.9 10.1 15.1





#89
 Benzo(k)fluoranthene
 Concen: 2.280 ng
 RT: 15.121 min Scan# 21
 Delta R.T. -0.029 min
 Lab File: BF137520.D
 Acq: 06 Mar 2024 15:55

Instrument :
 BNA_F
 ClientSampleId :
 72-12002



Tgt Ion:252 Resp: 68406
 Ion Ratio Lower Upper
 252 100
 253 21.8 17.3 25.9
 125 13.9 9.6 14.4

