

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF030124\
 Data File : BF137455.D
 Acq On : 01 Mar 2024 13:18
 Operator : CG\JU
 Sample : P1653-01
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 294

Quant Time: Mar 01 13:43:25 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF022924.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Mar 01 12:53:33 2024
 Response via : Initial Calibration

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

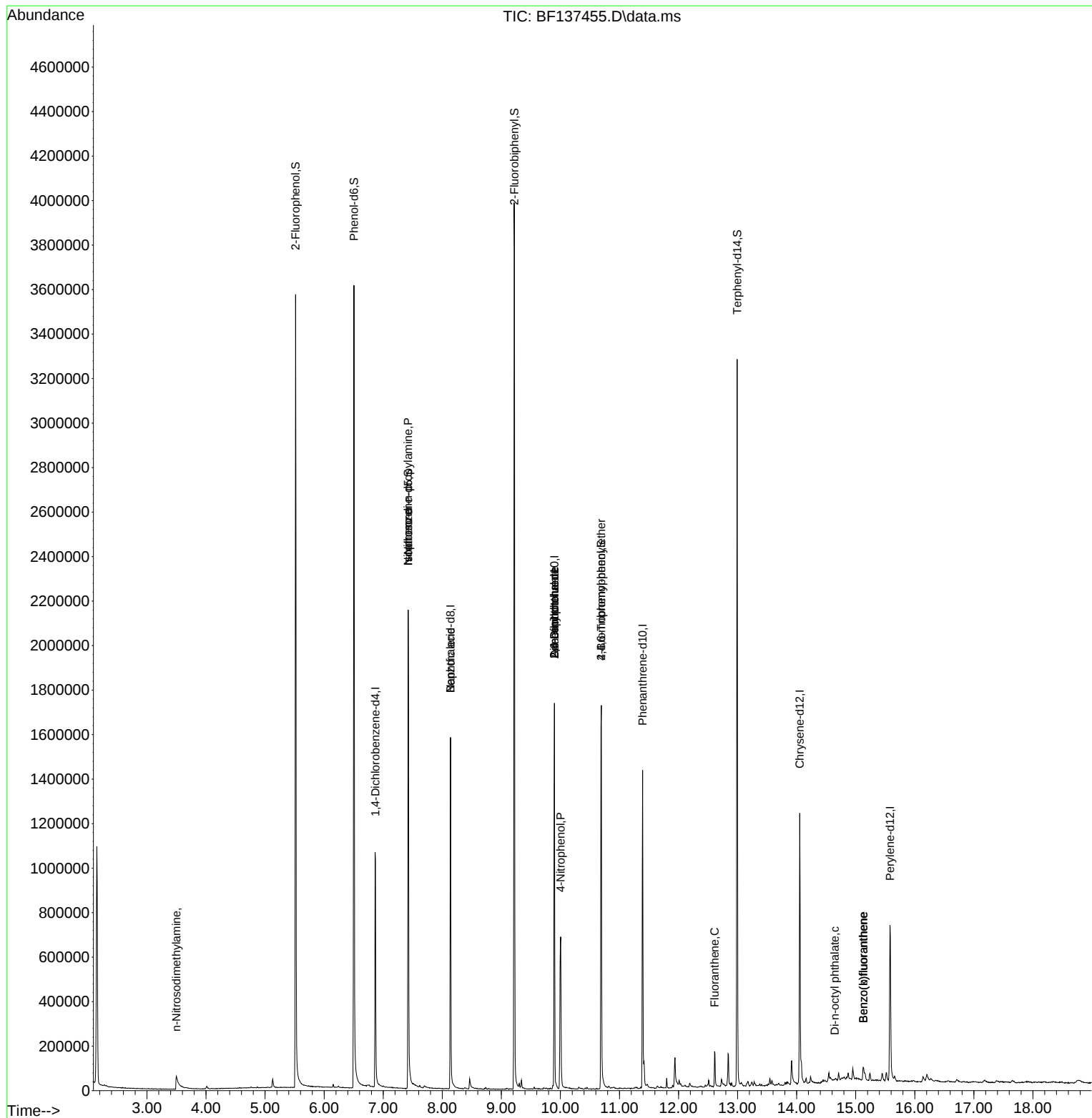
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.869	152	169476	20.000	ng	-0.01
21) Naphthalene-d8	8.140	136	651870	20.000	ng	-0.02
39) Acenaphthene-d10	9.898	164	337489	20.000	ng	-0.02
64) Phenanthrene-d10	11.392	188	498679	20.000	ng	-0.01
76) Chrysene-d12	14.051	240	375477	20.000	ng	-0.02
86) Perylene-d12	15.580	264	348119	20.000	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.516	112	967202	86.435	ng	-0.02
7) Phenol-d6	6.504	99	1269633	78.604	ng	-0.02
23) Nitrobenzene-d5	7.422	82	757830	54.017	ng	-0.02
42) 2,4,6-Tribromophenol	10.692	330	202919	68.467	ng	-0.02
45) 2-Fluorobiphenyl	9.222	172	1269885	58.901	ng	-0.01
79) Terphenyl-d14	12.992	244	1064044	38.968	ng	-0.02
Target Compounds						
						Qvalue
4) n-Nitrosodimethylamine	3.499	42	4592	4.516	ng	# 1
19) n-Nitroso-di-n-propyla...	7.422	70	95180	9.543	ng	# 81
25) Isophorone	7.422	82	757825	28.432	ng	# 69
32) Benzoic acid	8.140	122	235	6.333	ng	# 1
50) Dimethylphthalate	9.898	163	53363	2.271	ng	# 1
51) 2,6-Dinitrotoluene	9.898	165	43958	8.946	ng	# 20
56) 4-Nitrophenol	10.004	139	672	4.698	ng	# 1
57) 2,4-Dinitrotoluene	9.898	165	43958	7.281	ng	# 21
67) 4-Bromophenyl-phenylether	10.692	248	14132	2.602	ng	# 1
75) Fluoranthene	12.610	202	71179	2.683	ng	99
85) Di-n-octyl phthalate	14.645	149	2639	5.708	ng	# 71
88) Benzo(b)fluoranthene	15.127	252	52121	2.531	ng	97
89) Benzo(k)fluoranthene	15.127	252	52121	2.356	ng	# 97

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

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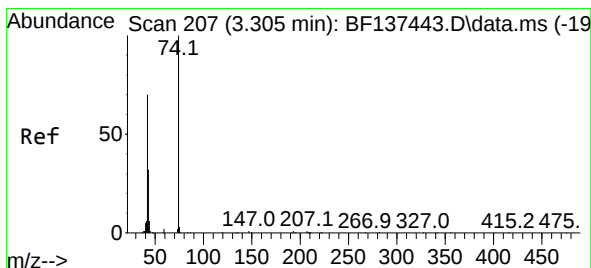
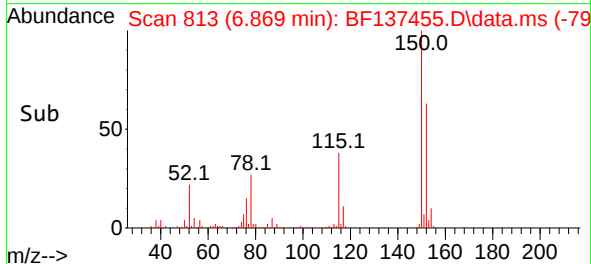
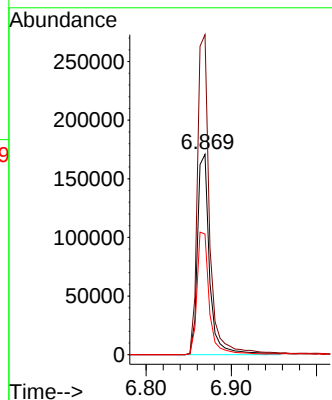
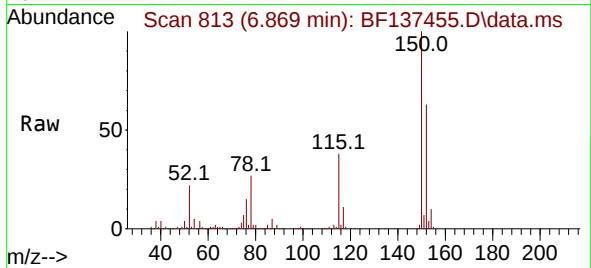




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.869 min Scan# 81
Delta R.T. -0.012 min
Lab File: BF137455.D
Acq: 01 Mar 2024 13:18

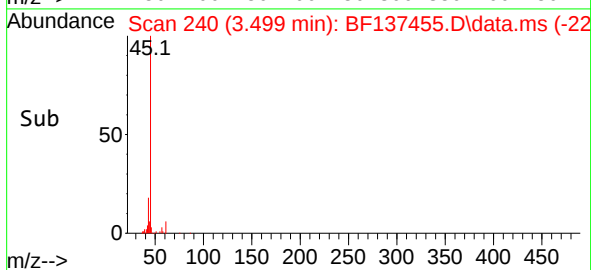
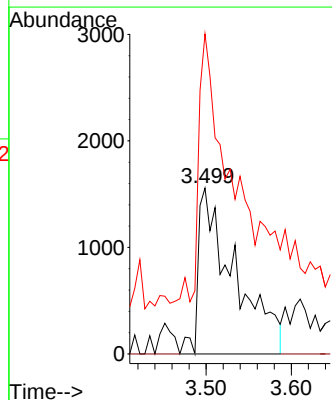
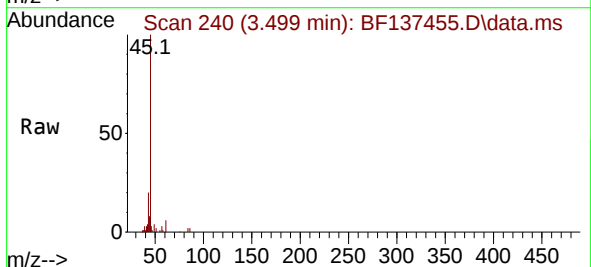
Instrument :
BNA_F
ClientSampleId :
294

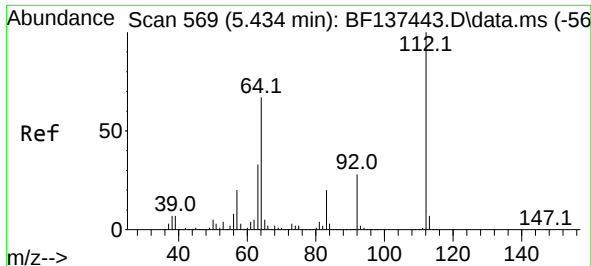
Tgt Ion:152 Resp: 169476
Ion Ratio Lower Upper
152 100
150 159.7 125.8 188.6
115 60.2 48.8 73.2



#4
n-Nitrosodimethylamine
Concen: 4.516 ng
RT: 3.499 min Scan# 240
Delta R.T. 0.000 min
Lab File: BF137455.D
Acq: 01 Mar 2024 13:18

Tgt Ion: 42 Resp: 4592
Ion Ratio Lower Upper
42 100
74 0.0 114.0 171.0#
44 192.9 7.0 10.4#

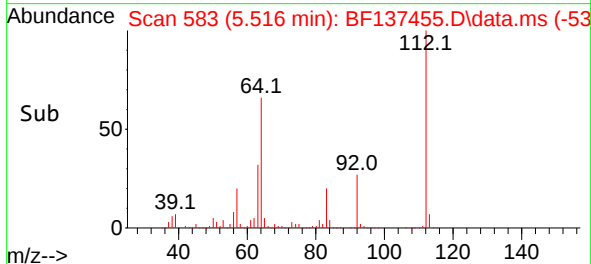
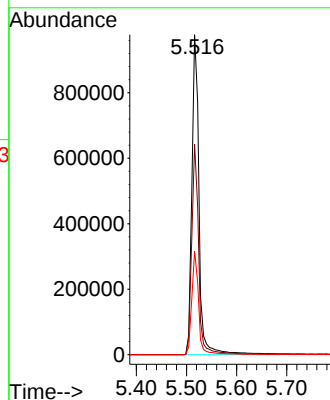
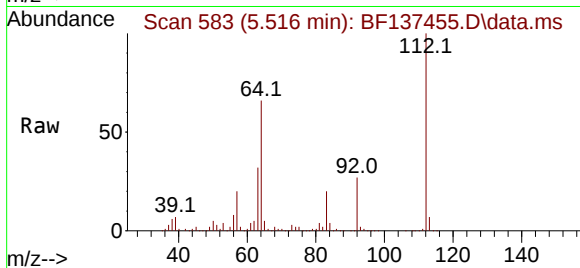




#5
2-Fluorophenol
Concen: 86.435 ng
RT: 5.516 min Scan# 51
Delta R.T. -0.018 min
Lab File: BF137455.D
Acq: 01 Mar 2024 13:18

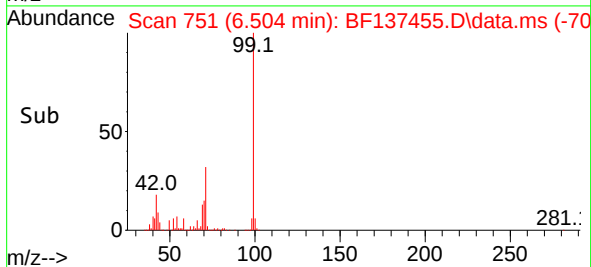
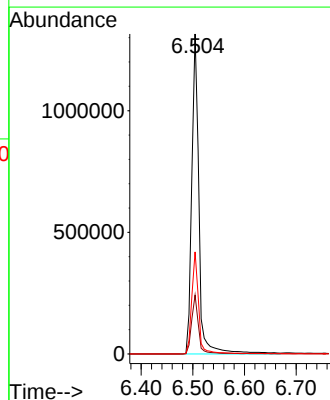
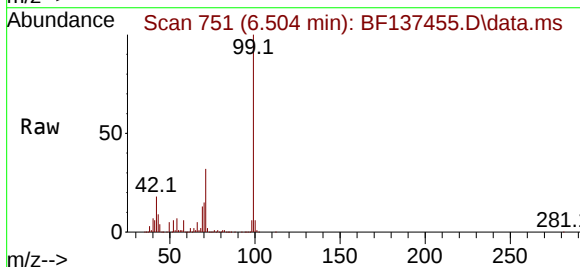
Instrument :
BNA_F
ClientSampleId :
294

Tgt Ion:112 Resp: 967202
Ion Ratio Lower Upper
112 100
64 65.8 53.4 80.2
63 32.4 26.2 39.2



#7
Phenol-d6
Concen: 78.604 ng
RT: 6.504 min Scan# 751
Delta R.T. -0.023 min
Lab File: BF137455.D
Acq: 01 Mar 2024 13:18

Tgt Ion: 99 Resp: 1269633
Ion Ratio Lower Upper
99 100
42 18.4 14.6 21.8
71 31.9 25.3 37.9

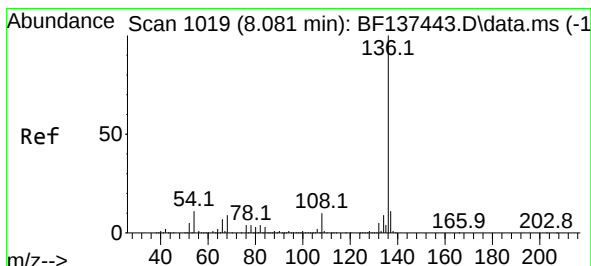
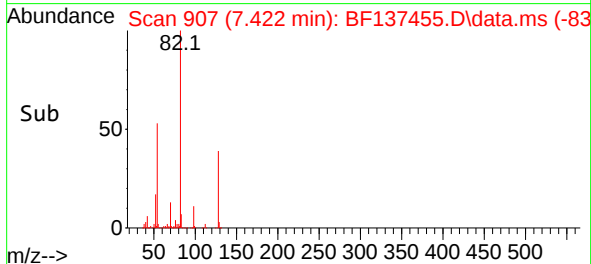
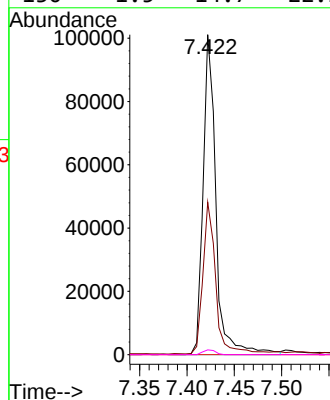
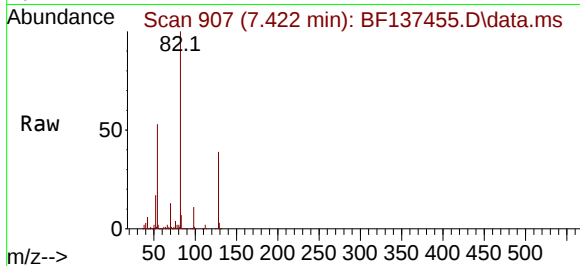




#19
n-Nitroso-di-n-propylamine
Concen: 9.543 ng
RT: 7.422 min Scan# 90
Delta R.T. 0.124 min
Lab File: BF137455.D
Acq: 01 Mar 2024 13:18

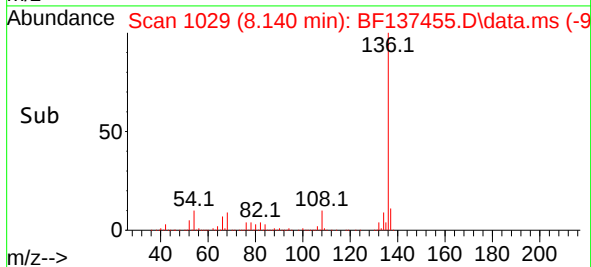
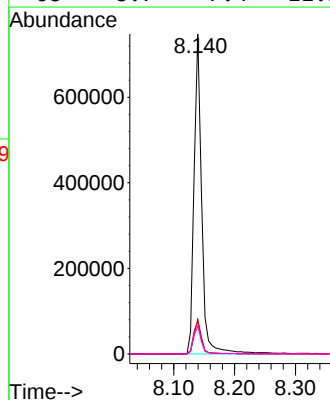
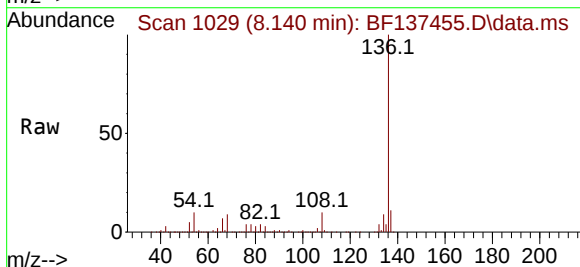
Instrument :
BNA_F
ClientSampleId :
294

Tgt Ion:	70	Resp:	95180
Ion	Ratio	Lower	Upper
70	100		
42	47.7	45.2	67.8
101	0.0	7.3	10.9#
130	1.5	14.7	22.1#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.140 min Scan# 1029
Delta R.T. -0.018 min
Lab File: BF137455.D
Acq: 01 Mar 2024 13:18

Tgt Ion:	136	Resp:	651870
Ion	Ratio	Lower	Upper
136	100		
137	10.8	9.1	13.7
54	10.1	8.5	12.7
68	8.7	7.4	11.2





#23

Nitrobenzene-d5

Concen: 54.017 ng

RT: 7.422 min Scan# 907

Delta R.T. -0.023 min

Lab File: BF137455.D

Acq: 01 Mar 2024 13:18

Instrument :

BNA_F

ClientSampleId :

294

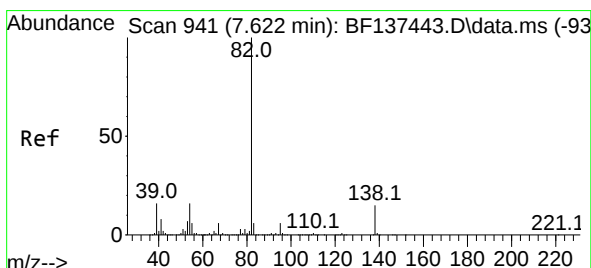
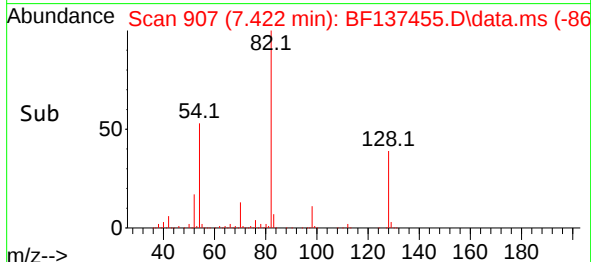
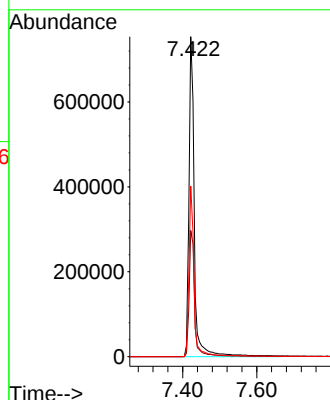
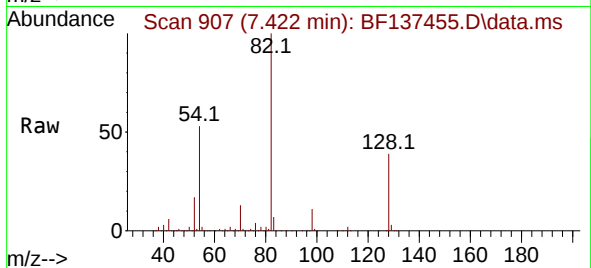
Tgt Ion: 82 Resp: 757830

Ion Ratio Lower Upper

82 100

128 39.4 32.5 48.7

54 53.3 41.5 62.3



#25

Isophorone

Concen: 28.432 ng

RT: 7.422 min Scan# 907

Delta R.T. -0.276 min

Lab File: BF137455.D

Acq: 01 Mar 2024 13:18

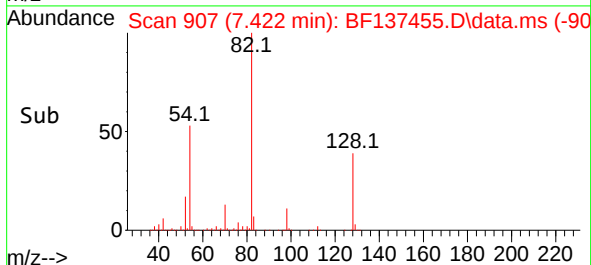
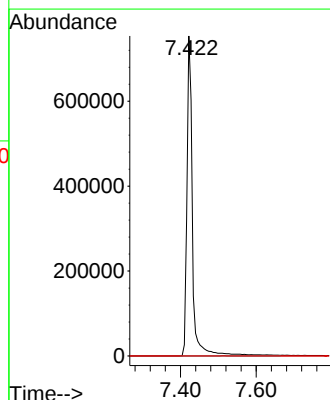
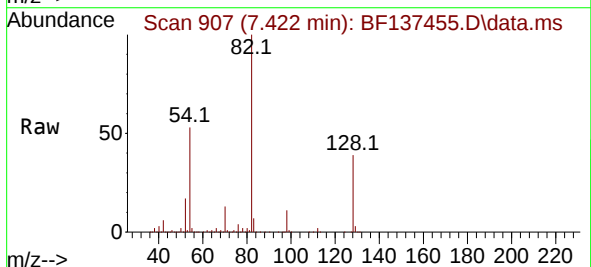
Tgt Ion: 82 Resp: 757825

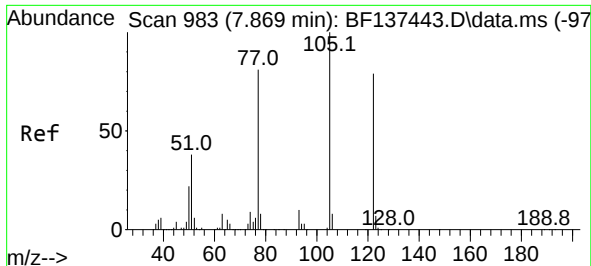
Ion Ratio Lower Upper

82 100

95 0.0 5.1 7.7#

138 0.0 11.8 17.8#

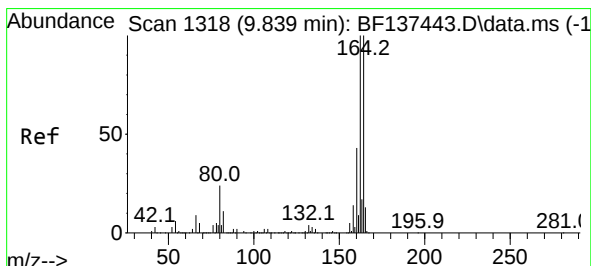
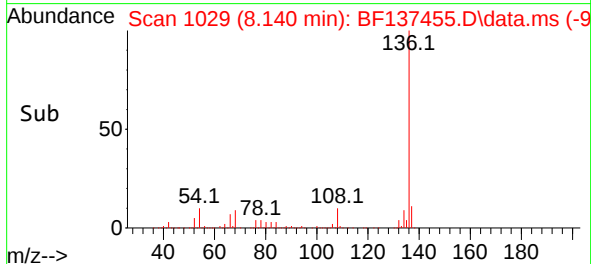
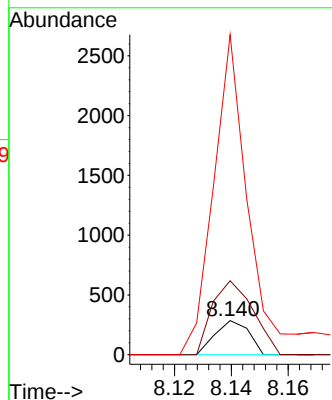
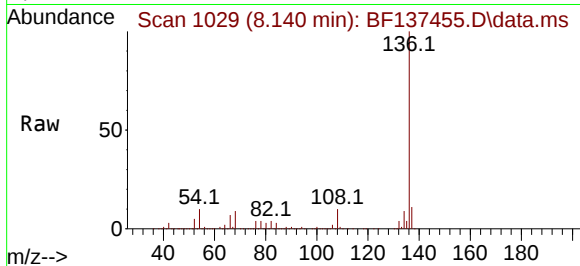




#32
Benzoic acid
Concen: 6.333 ng
RT: 8.140 min Scan# 1029
Delta R.T. 0.194 min
Lab File: BF137455.D
Acq: 01 Mar 2024 13:18

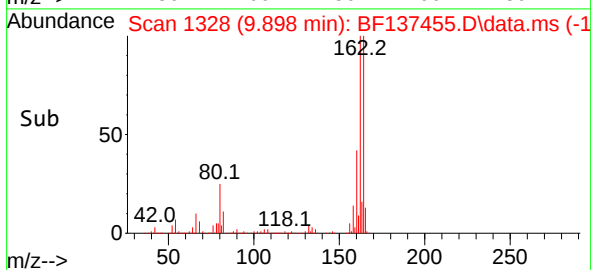
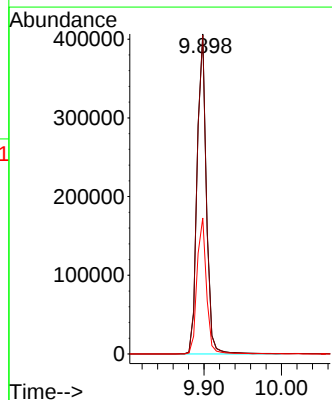
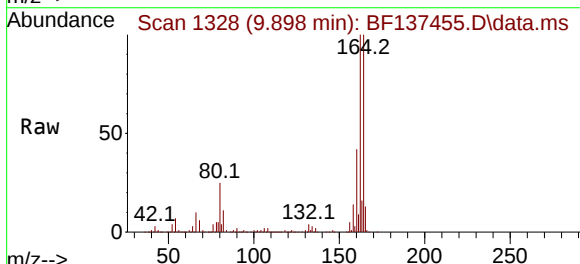
Instrument :
BNA_F
ClientSampleId :
294

Tgt Ion:122 Resp: 235
Ion Ratio Lower Upper
122 100
105 216.4 102.4 142.4#
77 936.0 81.1 121.1#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.898 min Scan# 1328
Delta R.T. -0.018 min
Lab File: BF137455.D
Acq: 01 Mar 2024 13:18

Tgt Ion:164 Resp: 337489
Ion Ratio Lower Upper
164 100
162 99.6 79.8 119.8
160 42.5 34.4 51.6





#42

2,4,6-Tribromophenol

Concen: 68.467 ng

RT: 10.692 min Scan# 1453

Delta R.T. -0.018 min

Lab File: BF137455.D

Acq: 01 Mar 2024 13:18

Instrument :

BNA_F

ClientSampleId :

294

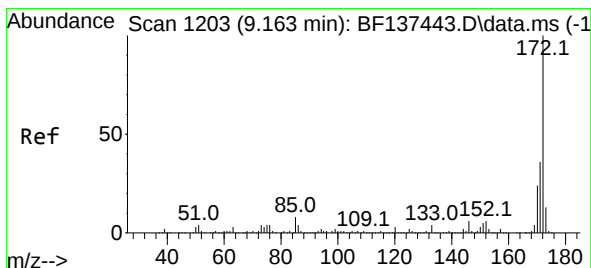
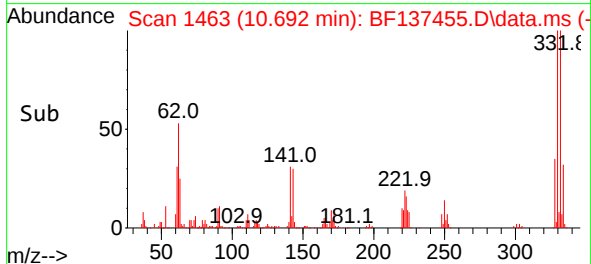
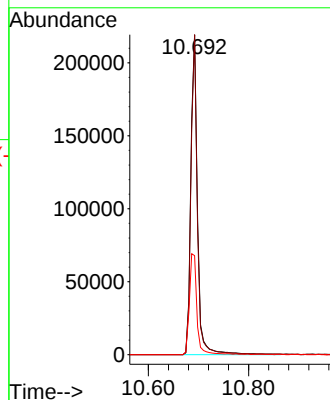
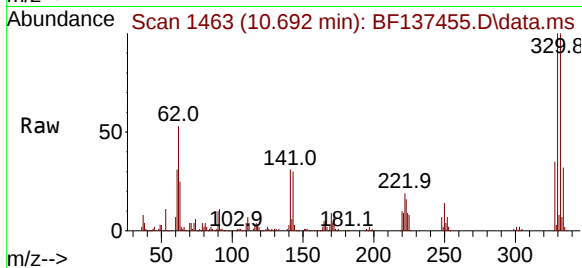
Tgt Ion:330 Resp: 202919

Ion Ratio Lower Upper

330 100

332 95.3 78.0 117.0

141 35.7 27.3 40.9



#45

2-Fluorobiphenyl

Concen: 58.901 ng

RT: 9.222 min Scan# 1213

Delta R.T. -0.012 min

Lab File: BF137455.D

Acq: 01 Mar 2024 13:18

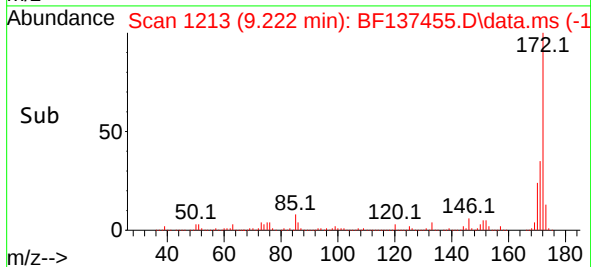
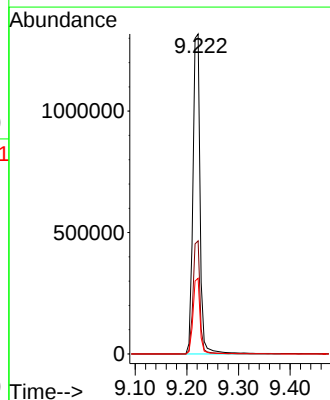
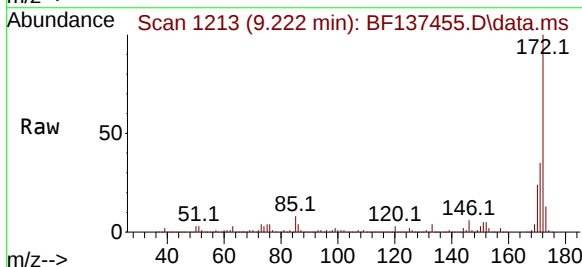
Tgt Ion:172 Resp: 1269885

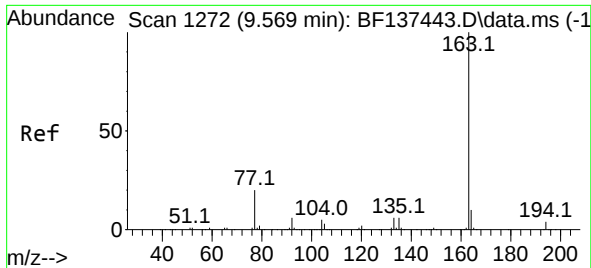
Ion Ratio Lower Upper

172 100

171 35.4 28.5 42.7

170 23.6 19.0 28.6

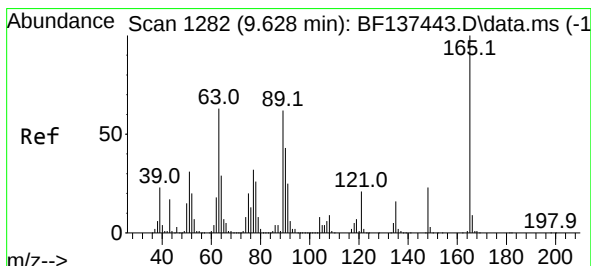
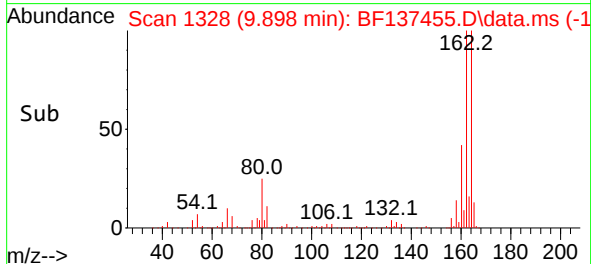
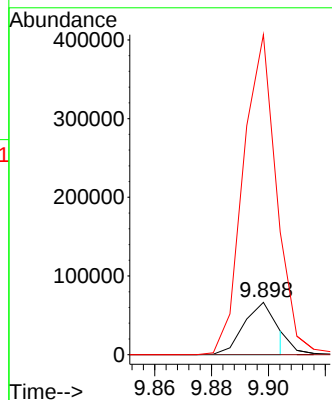
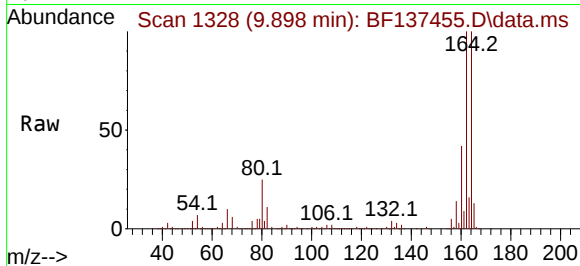




#50
Dimethylphthalate
Concen: 2.271 ng
RT: 9.898 min Scan# 11
Delta R.T. 0.253 min
Lab File: BF137455.D
Acq: 01 Mar 2024 13:18

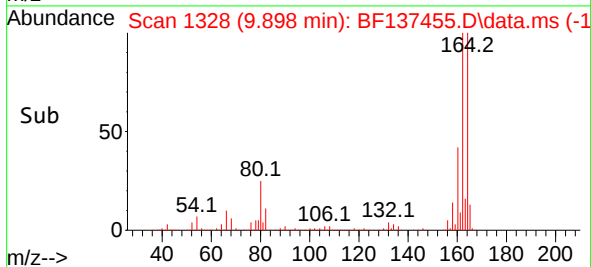
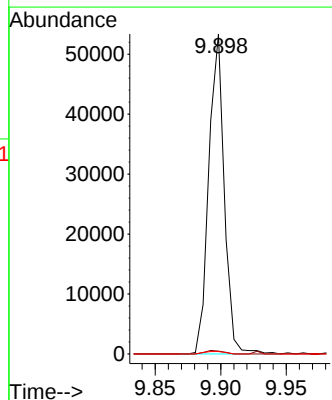
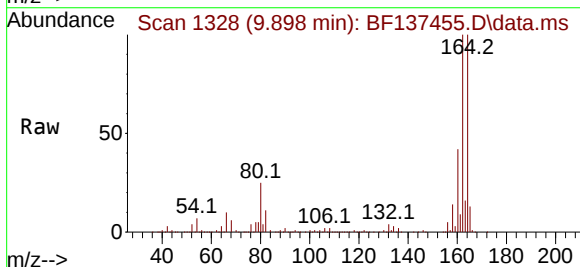
Instrument :
BNA_F
ClientSampleId :
294

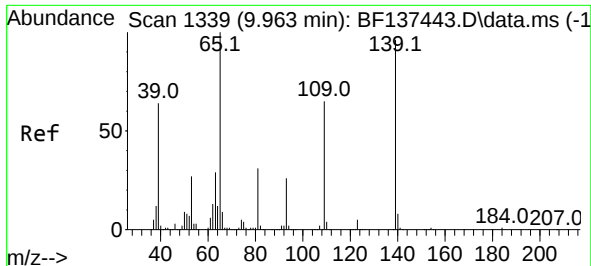
Tgt Ion:163 Resp: 53363
Ion Ratio Lower Upper
163 100
194 0.0 3.3 4.9#
164 611.1 8.1 12.1#



#51
2,6-Dinitrotoluene
Concen: 8.946 ng
RT: 9.898 min Scan# 1328
Delta R.T. 0.194 min
Lab File: BF137455.D
Acq: 01 Mar 2024 13:18

Tgt Ion:165 Resp: 43958
Ion Ratio Lower Upper
165 100
63 0.9 50.7 76.1#
89 0.7 50.0 75.0#

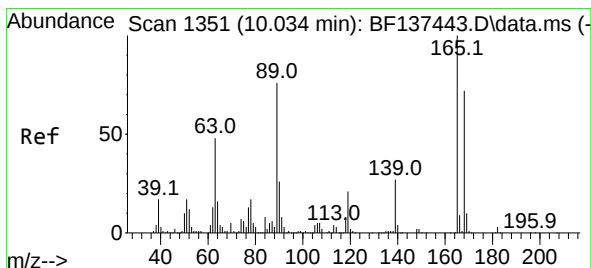
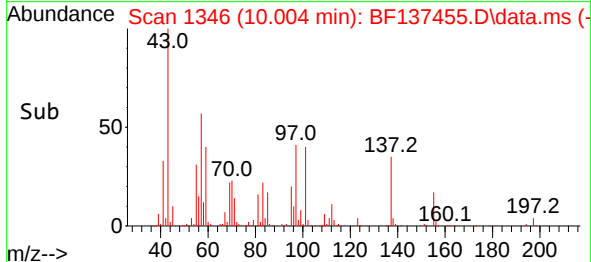
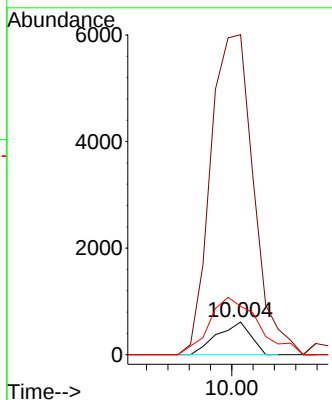
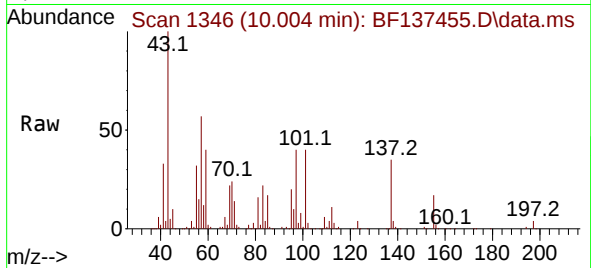




#56
4-Nitrophenol
Concen: 4.698 ng
RT: 10.004 min Scan# 11
Delta R.T. -0.035 min
Lab File: BF137455.D
Acq: 01 Mar 2024 13:18

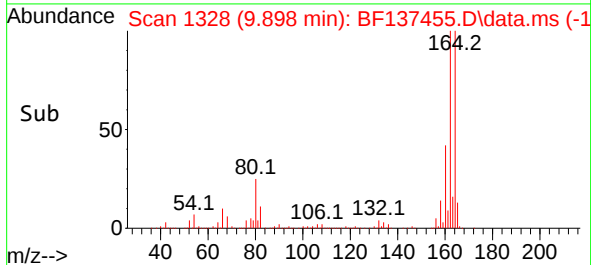
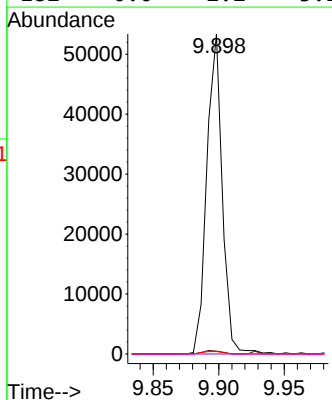
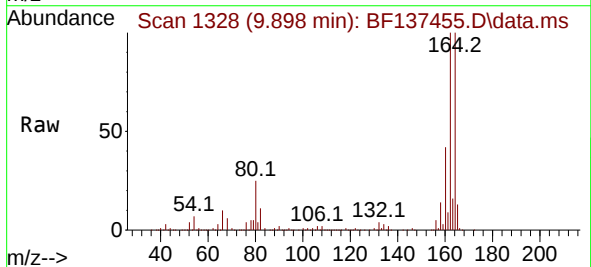
Instrument :
BNA_F
ClientSampleId :
294

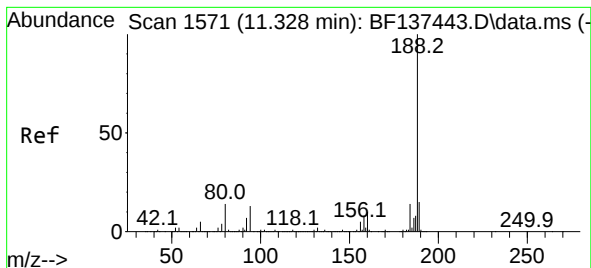
Tgt Ion:139 Resp: 672
Ion Ratio Lower Upper
139 100
109 978.0 47.1 87.1#
65 148.4 85.1 125.1#



#57
2,4-Dinitrotoluene
Concen: 7.281 ng
RT: 9.898 min Scan# 1328
Delta R.T. -0.212 min
Lab File: BF137455.D
Acq: 01 Mar 2024 13:18

Tgt Ion:165 Resp: 43958
Ion Ratio Lower Upper
165 100
63 0.9 39.0 58.6#
89 0.7 60.9 91.3#
182 0.0 2.2 3.2#





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.392 min Scan# 1

Delta R.T. -0.012 min

Lab File: BF137455.D

Acq: 01 Mar 2024 13:18

Instrument :

BNA_F

ClientSampleId :

294

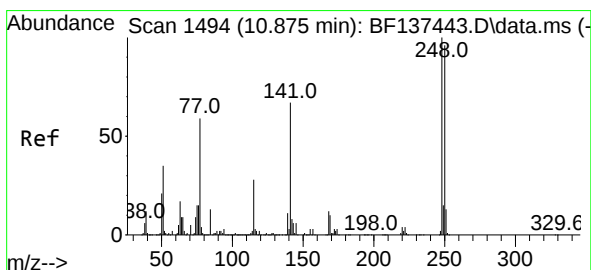
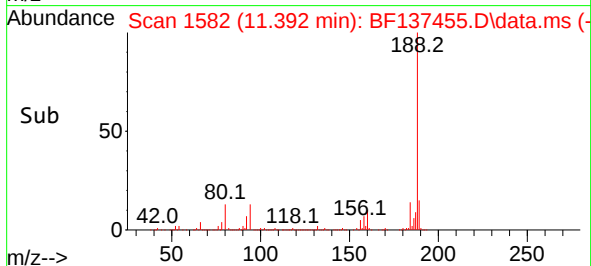
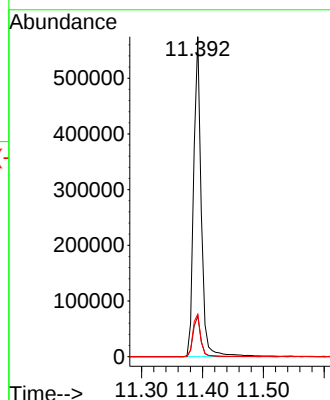
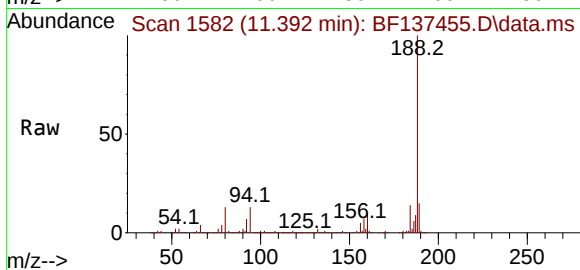
Tgt Ion:188 Resp: 498679

Ion Ratio Lower Upper

188 100

94 12.7 10.6 15.8

80 13.3 11.5 17.3



#67

4-Bromophenyl-phenylether

Concen: 2.602 ng

RT: 10.692 min Scan# 1463

Delta R.T. -0.259 min

Lab File: BF137455.D

Acq: 01 Mar 2024 13:18

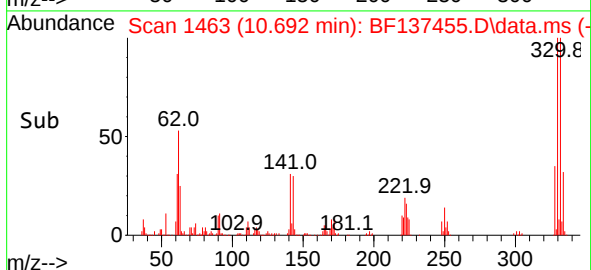
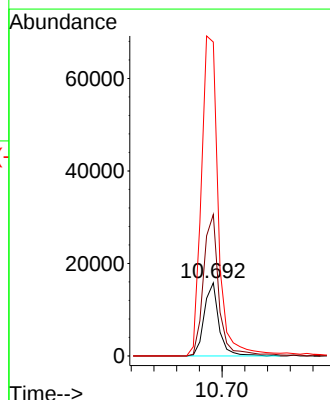
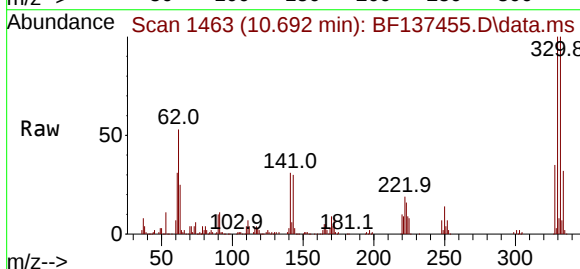
Tgt Ion:248 Resp: 14132

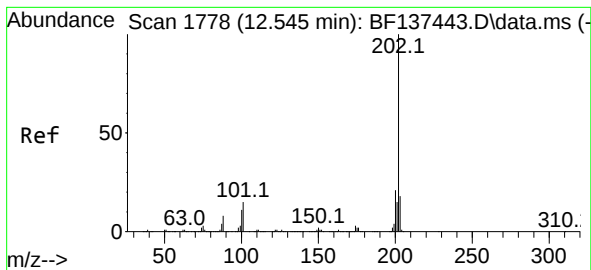
Ion Ratio Lower Upper

248 100

250 193.2 76.8 115.2#

141 429.0 53.4 80.0#

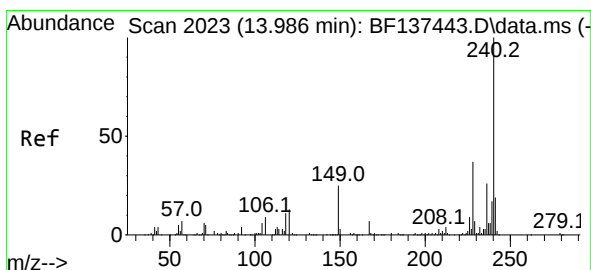
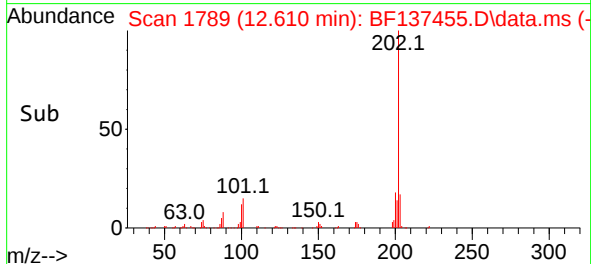
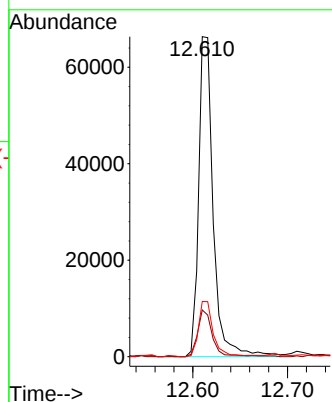
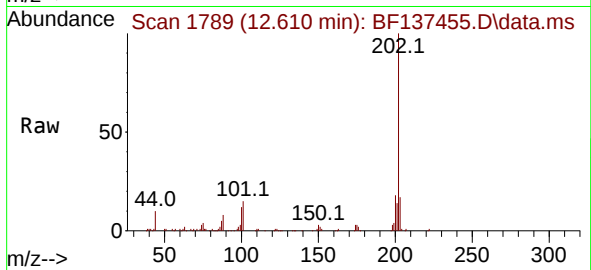




#75
Fluoranthene
Concen: 2.683 ng
RT: 12.610 min Scan# 1778
Delta R.T. -0.018 min
Lab File: BF137455.D
Acq: 01 Mar 2024 13:18

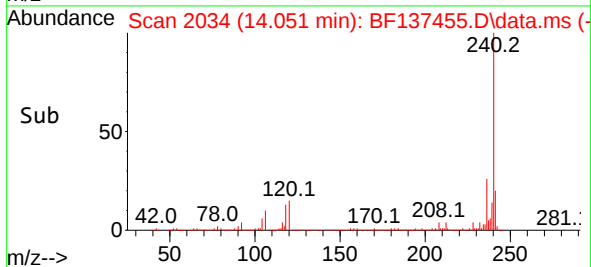
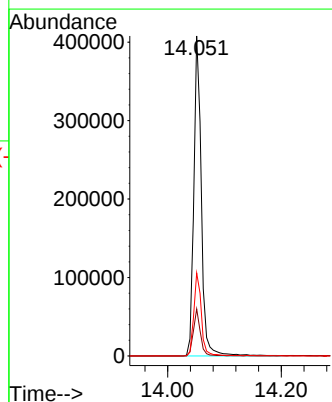
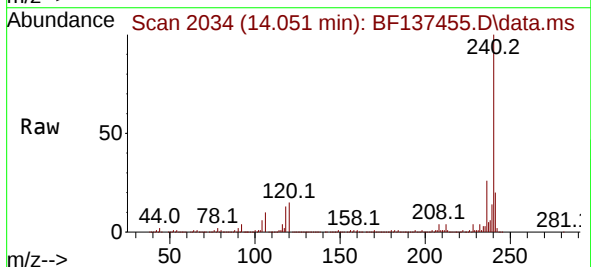
Instrument :
BNA_F
ClientSampleId :
294

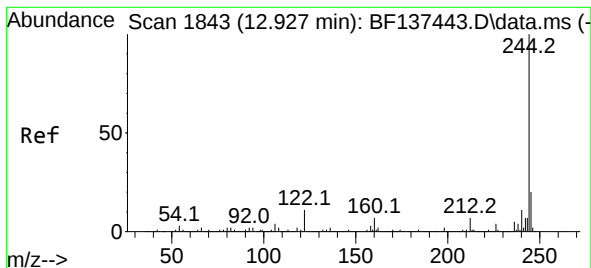
Tgt Ion:202 Resp: 71179
Ion Ratio Lower Upper
202 100
101 14.6 0.0 35.0
203 17.2 0.0 37.7



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.051 min Scan# 2034
Delta R.T. -0.018 min
Lab File: BF137455.D
Acq: 01 Mar 2024 13:18

Tgt Ion:240 Resp: 375477
Ion Ratio Lower Upper
240 100
120 14.7 10.4 15.6
236 26.0 20.9 31.3





#79

Terphenyl-d14

Concen: 38.968 ng

RT: 12.992 min Scan# 11

Delta R.T. -0.018 min

Lab File: BF137455.D

Acq: 01 Mar 2024 13:18

Instrument :

BNA_F

ClientSampleId :

294

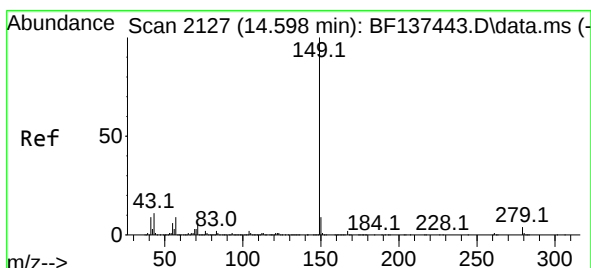
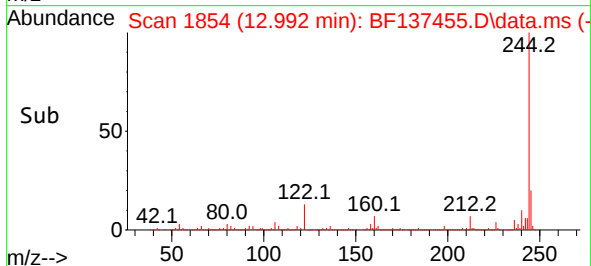
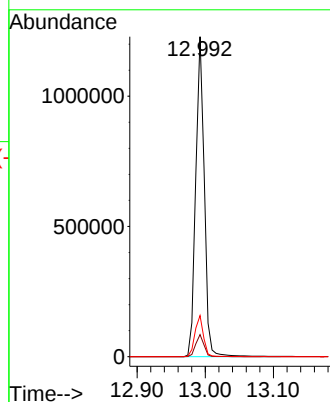
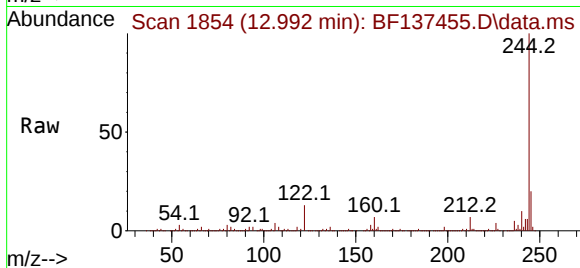
Tgt Ion:244 Resp: 1064044

Ion Ratio Lower Upper

244 100

212 6.9 5.4 8.2

122 12.8 9.1 13.7



#85

Di-n-octyl phthalate

Concen: 5.708 ng

RT: 14.645 min Scan# 2135

Delta R.T. -0.041 min

Lab File: BF137455.D

Acq: 01 Mar 2024 13:18

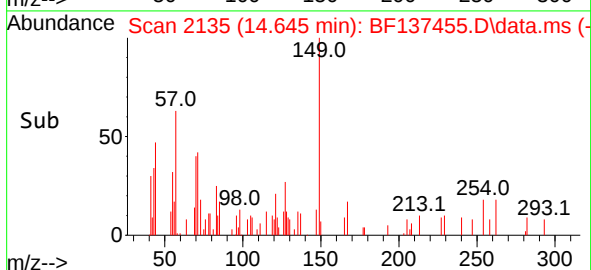
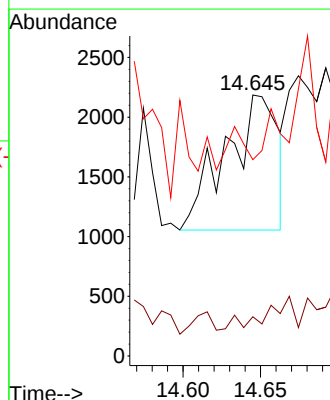
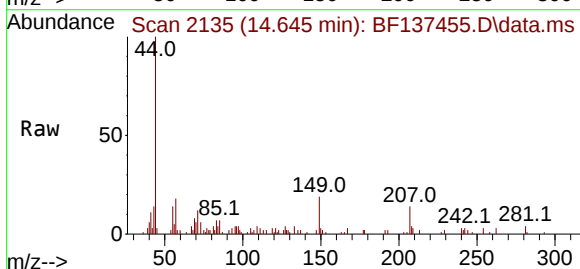
Tgt Ion:149 Resp: 2639

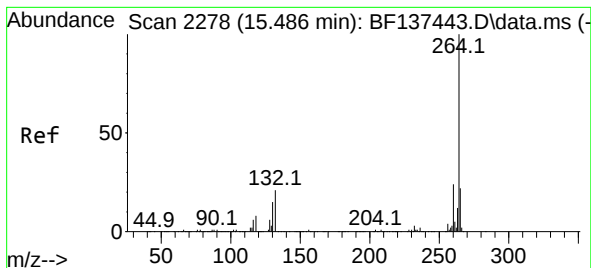
Ion Ratio Lower Upper

149 100

167 5.2 1.2 1.8#

43 0.0 9.6 14.4#





#86

Perylene-d12

Concen: 20.000 ng

RT: 15.580 min Scan# 21

Delta R.T. -0.018 min

Lab File: BF137455.D

Acq: 01 Mar 2024 13:18

Instrument :

BNA_F

ClientSampleId :

294

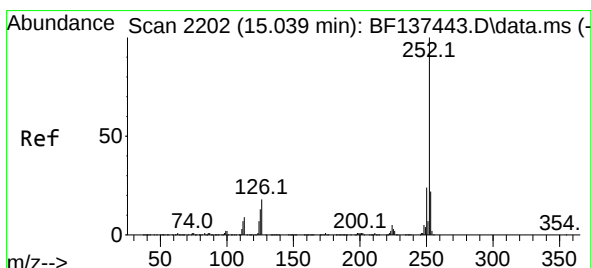
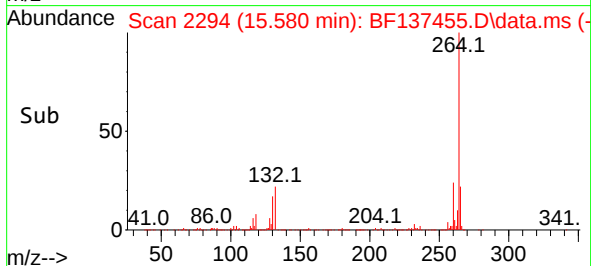
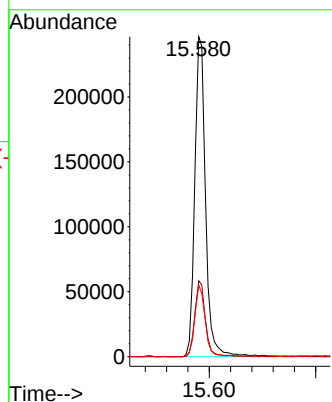
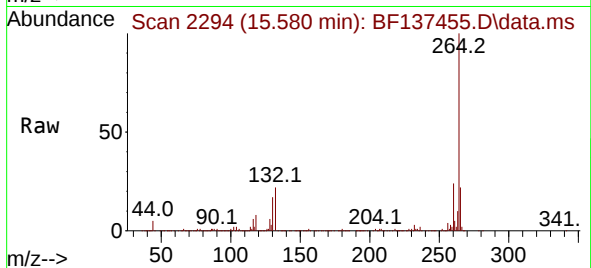
Tgt Ion:264 Resp: 348119

Ion Ratio Lower Upper

264 100

260 23.7 19.3 28.9

265 22.3 17.4 26.0



#88

Benzo(b)fluoranthene

Concen: 2.531 ng

RT: 15.127 min Scan# 2217

Delta R.T. -0.018 min

Lab File: BF137455.D

Acq: 01 Mar 2024 13:18

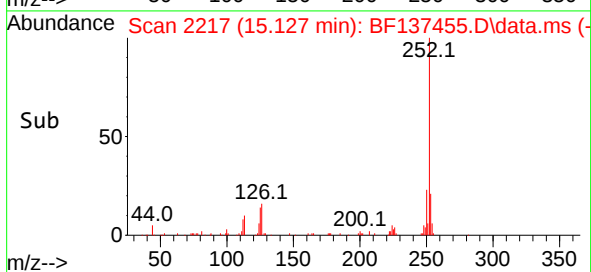
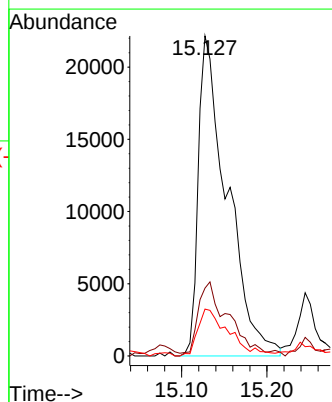
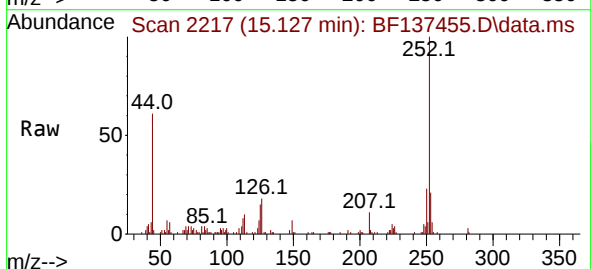
Tgt Ion:252 Resp: 52121

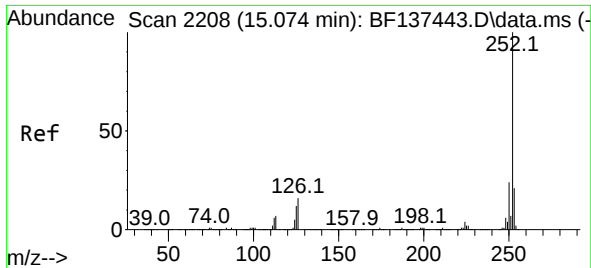
Ion Ratio Lower Upper

252 100

253 21.2 17.8 26.8

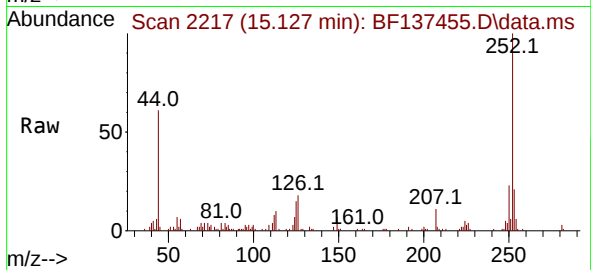
125 14.6 10.1 15.1





#89
 Benzo(k)fluoranthene
 Concen: 2.356 ng
 RT: 15.127 min Scan# 21
 Delta R.T. -0.047 min
 Lab File: BF137455.D
 Acq: 01 Mar 2024 13:18

Instrument :
 BNA_F
 ClientSampleId :
 294



Tgt Ion:252 Resp: 52121
 Ion Ratio Lower Upper
 252 100
 253 21.2 17.3 25.9
 125 14.6 9.6 14.4#

