

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF022023\
 Data File : BF132475.D
 Acq On : 20 Feb 2023 12:36
 Operator : CG\JU
 Sample : 01586-01
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 COMP-1RE

Quant Time: Feb 20 12:59:42 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF021623.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Sat Feb 18 00:58:25 2023
 Response via : Initial Calibration

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

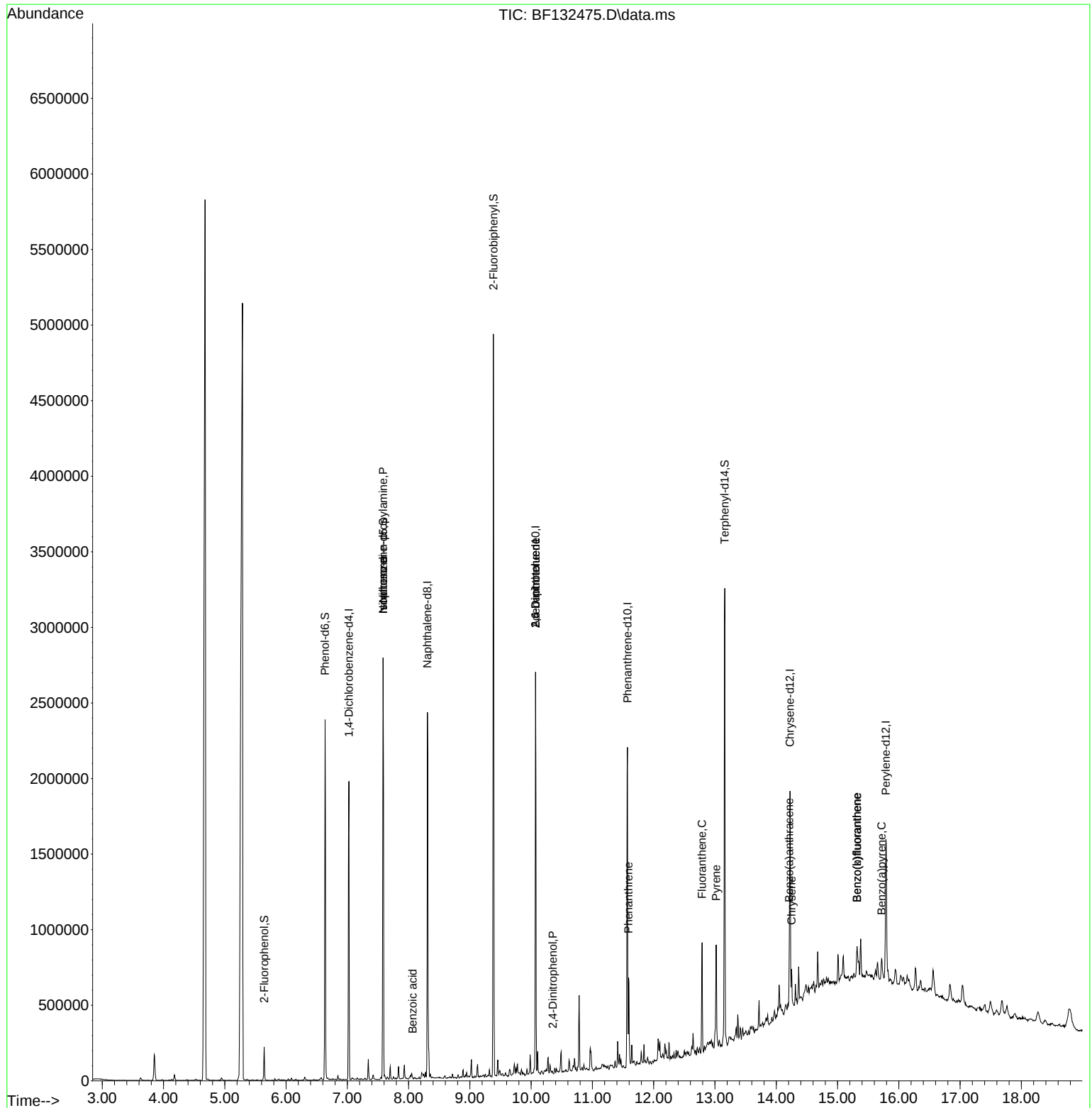
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.025	152	275521	20.000	ng	0.00
21) Naphthalene-d8	8.307	136	1014251	20.000	ng	0.00
39) Acenaphthene-d10	10.072	164	509640	20.000	ng	0.00
64) Phenanthrene-d10	11.572	188	810860	20.000	ng	0.00
76) Chrysene-d12	14.224	240	443926	20.000	ng	# 0.00
86) Perylene-d12	15.789	264	412445	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.643	112	53782	3.128	ng	0.00
7) Phenol-d6	6.637	99	780454	34.761	ng	-0.01
23) Nitrobenzene-d5	7.584	82	869684	41.201	ng	-0.01
42) 2,4,6-Tribromophenol	10.860	330	931	0.183	ng	-0.01
45) 2-Fluorobiphenyl	9.384	172	1401611	42.471	ng	0.00
79) Terphenyl-d14	13.160	244	1079658	44.293	ng	0.00
Target Compounds						Qvalue
19) n-Nitroso-di-n-propyla...	7.584	70	117147	8.511	ng	# 78
25) Isophorone	7.584	82	867987	20.926	ng	# 68
32) Benzoic acid	8.066	122	329	7.174	ng	# 41
51) 2,6-Dinitrotoluene	10.072	165	67874	8.316	ng	# 20
54) 2,4-Dinitrophenol	10.354	184	133	5.153	ng	# 35
57) 2,4-Dinitrotoluene	10.072	165	67874	6.317	ng	# 20
71) Phenanthrene	11.589	178	210785	5.047	ng	96
75) Fluoranthene	12.789	202	268149	5.757	ng	99
78) Pyrene	13.019	202	225981	5.992	ng	100
81) Benzo(a)anthracene	14.213	228	110154	3.388	ng	98
83) Chrysene	14.248	228	102949	3.314	ng	93
88) Benzo(b)fluoranthene	15.318	252	152830	5.635	ng	# 93
89) Benzo(k)fluoranthene	15.318	252	152830	5.631	ng	# 94
90) Benzo(a)pyrene	15.718	252	71313	2.829	ng	# 84

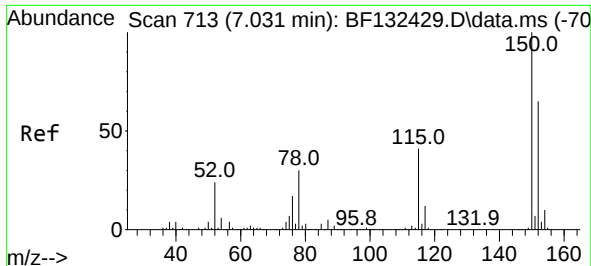
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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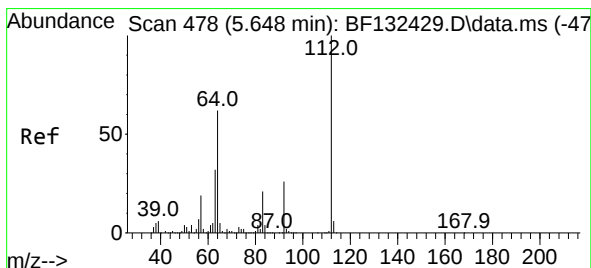
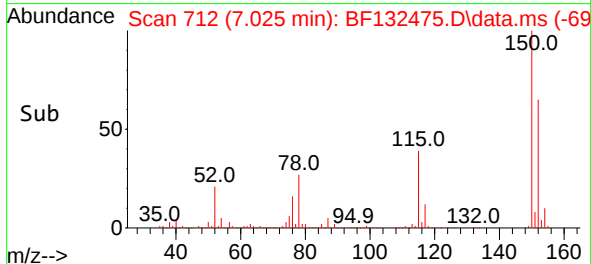
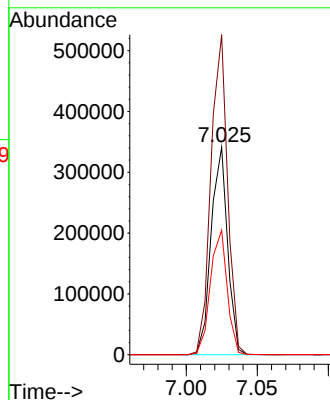
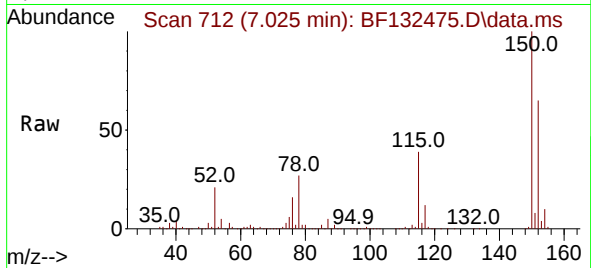




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.025 min Scan# 713
Delta R.T. -0.000 min
Lab File: BF132475.D
Acq: 20 Feb 2023 12:36

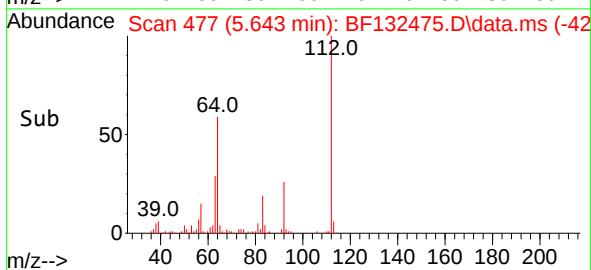
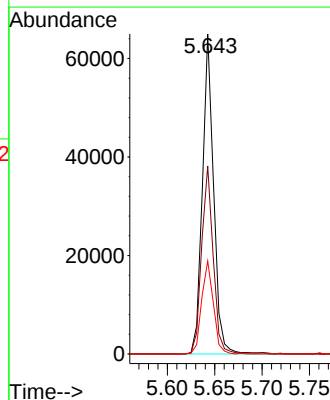
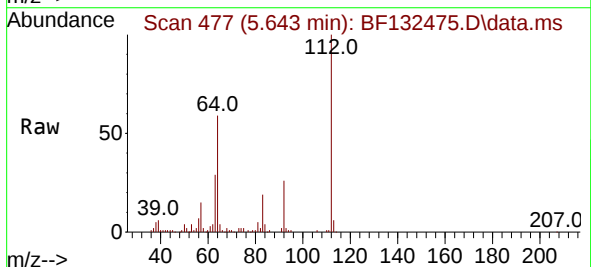
Instrument :
BNA_F
ClientSampleId :
COMP-1RE

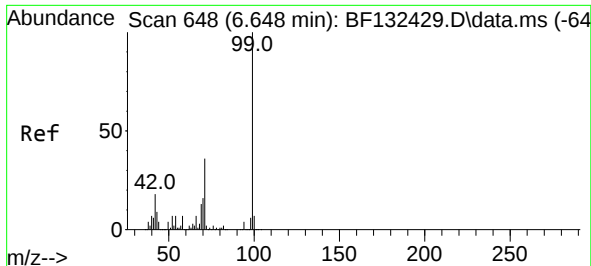
Tgt Ion:152 Resp: 275521
Ion Ratio Lower Upper
152 100
150 154.2 123.8 185.8
115 60.0 50.4 75.6



#5
2-Fluorophenol
Concen: 3.128 ng
RT: 5.643 min Scan# 477
Delta R.T. 0.000 min
Lab File: BF132475.D
Acq: 20 Feb 2023 12:36

Tgt Ion:112 Resp: 53782
Ion Ratio Lower Upper
112 100
64 58.8 49.7 74.5
63 29.0 25.8 38.8

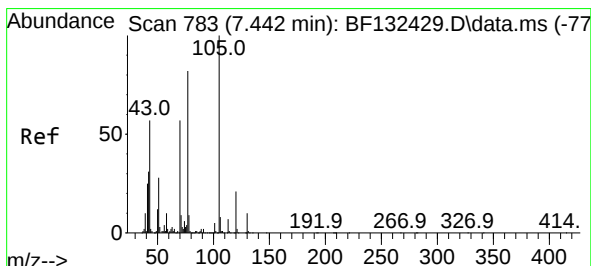
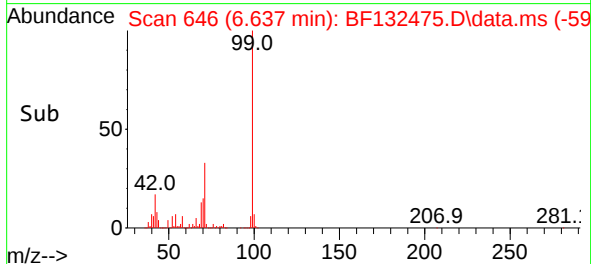
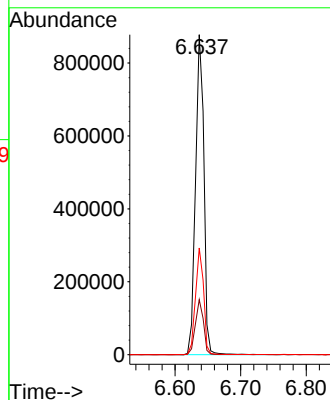
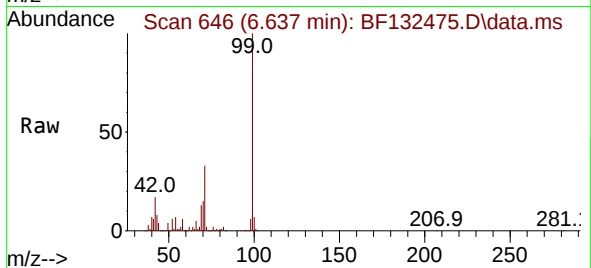




#7
Phenol-d6
Concen: 34.761 ng
RT: 6.637 min Scan# 64
Delta R.T. -0.012 min
Lab File: BF132475.D
Acq: 20 Feb 2023 12:36

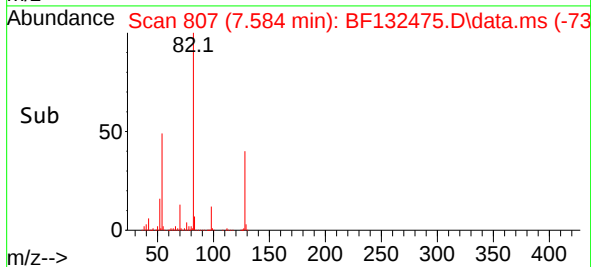
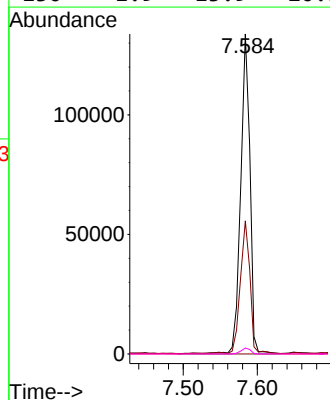
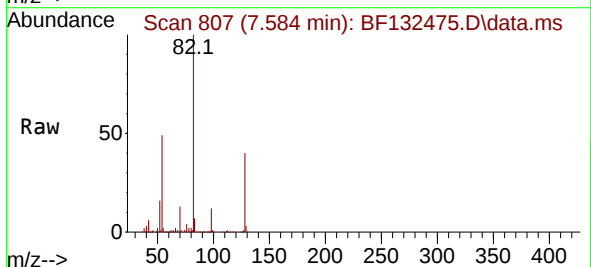
Instrument :
BNA_F
ClientSampleId :
COMP-1RE

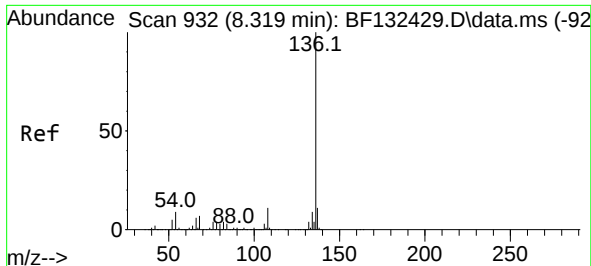
Tgt Ion: 99 Resp: 780454
Ion Ratio Lower Upper
99 100
42 17.2 14.6 21.8
71 33.4 28.7 43.1



#19
n-Nitroso-di-n-propylamine
Concen: 8.511 ng
RT: 7.584 min Scan# 807
Delta R.T. 0.147 min
Lab File: BF132475.D
Acq: 20 Feb 2023 12:36

Tgt Ion: 70 Resp: 117147
Ion Ratio Lower Upper
70 100
42 41.6 43.5 65.3#
101 0.0 7.3 10.9#
130 1.9 13.9 20.9#

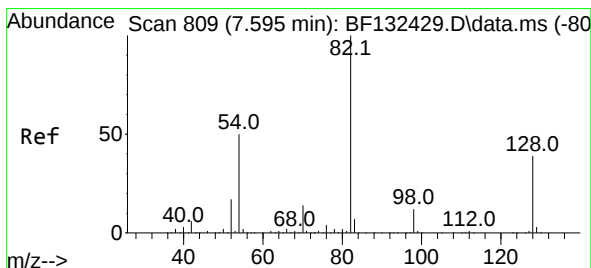
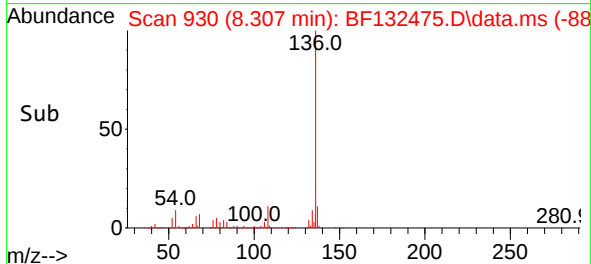
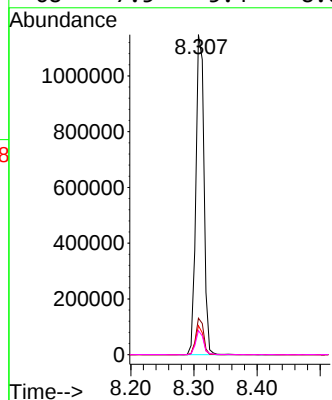
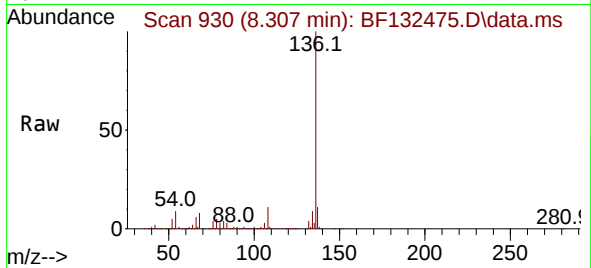




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.307 min Scan# 91
Delta R.T. -0.006 min
Lab File: BF132475.D
Acq: 20 Feb 2023 12:36

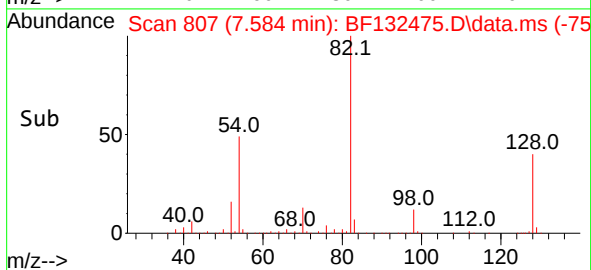
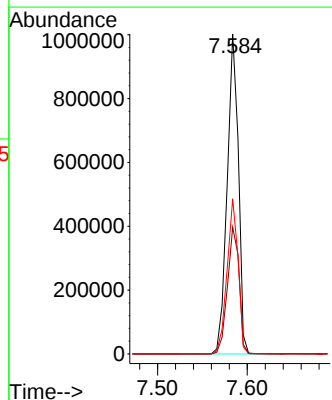
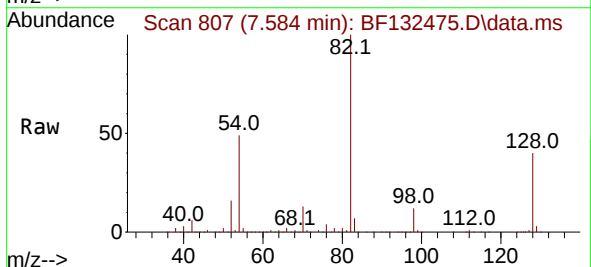
Instrument :
BNA_F
ClientSampleId :
COMP-1RE

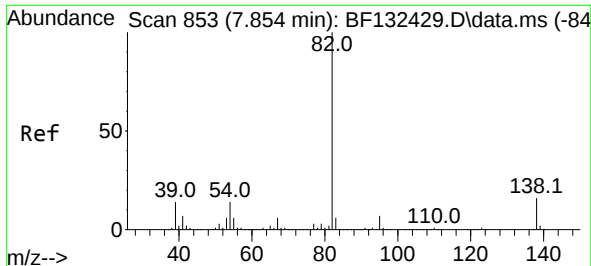
Tgt Ion:136 Resp: 1014251
Ion Ratio Lower Upper
136 100
137 11.4 8.8 13.2
54 9.1 6.9 10.3
68 7.5 5.4 8.0



#23
Nitrobenzene-d5
Concen: 41.201 ng
RT: 7.584 min Scan# 807
Delta R.T. -0.012 min
Lab File: BF132475.D
Acq: 20 Feb 2023 12:36

Tgt Ion: 82 Resp: 869684
Ion Ratio Lower Upper
82 100
128 39.6 30.8 46.2
54 48.5 40.2 60.4

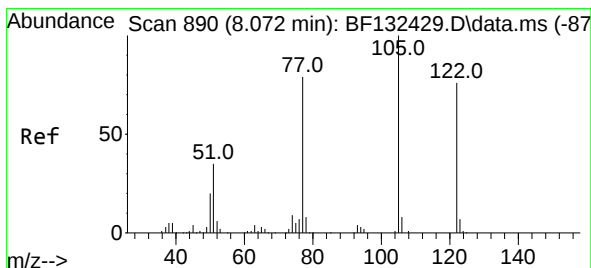
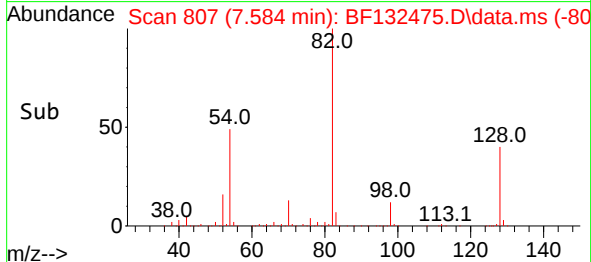
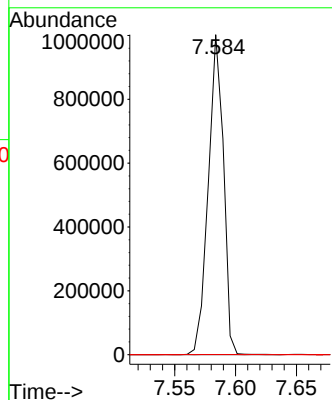
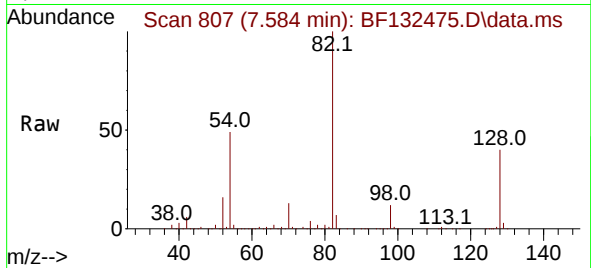




#25
Isophorone
Concen: 20.926 ng
RT: 7.584 min Scan# 80
Delta R.T. -0.265 min
Lab File: BF132475.D
Acq: 20 Feb 2023 12:36

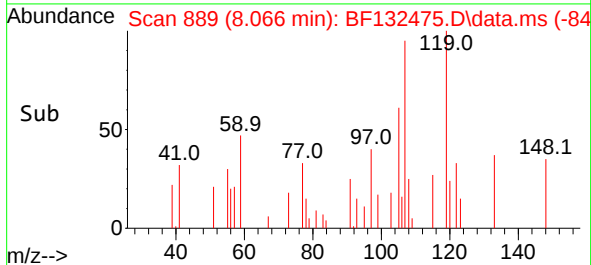
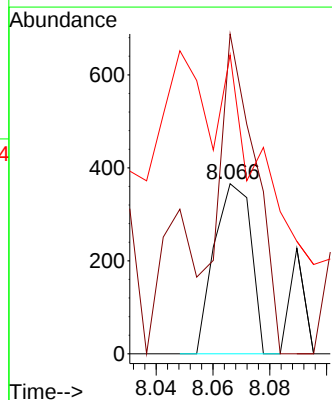
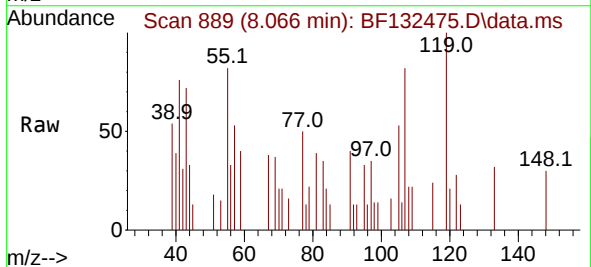
Instrument :
BNA_F
ClientSampleId :
COMP-1RE

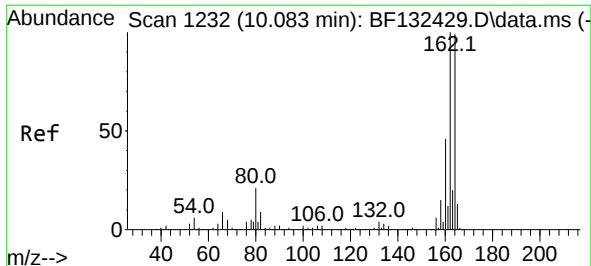
Tgt Ion: 82 Resp: 867987
Ion Ratio Lower Upper
82 100
95 0.1 5.5 8.3#
138 0.0 12.7 19.1#



#32
Benzoic acid
Concen: 7.174 ng
RT: 8.066 min Scan# 889
Delta R.T. -0.012 min
Lab File: BF132475.D
Acq: 20 Feb 2023 12:36

Tgt Ion:122 Resp: 329
Ion Ratio Lower Upper
122 100
105 188.0 109.7 149.7#
77 175.7 83.8 123.8#

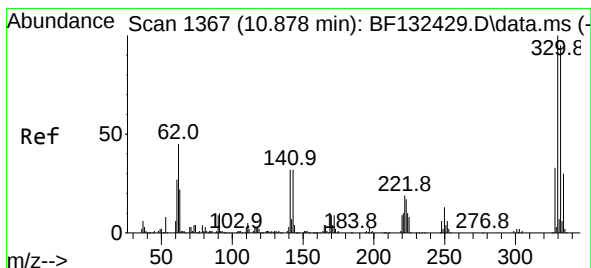
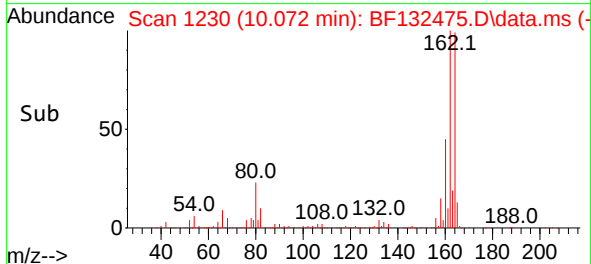
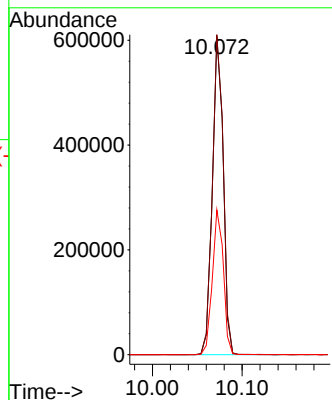
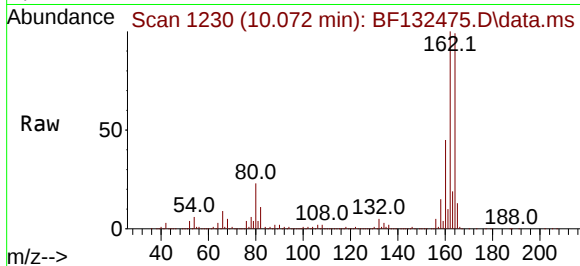




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 10.072 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF132475.D
Acq: 20 Feb 2023 12:36

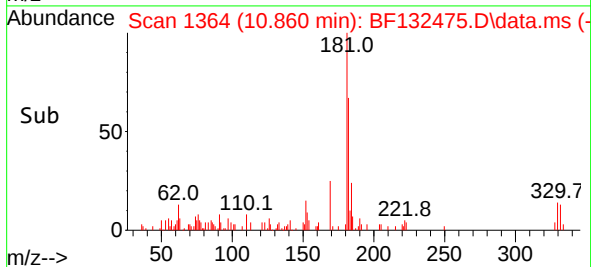
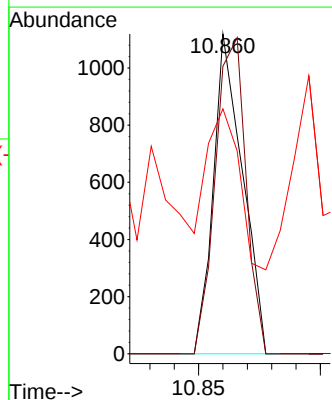
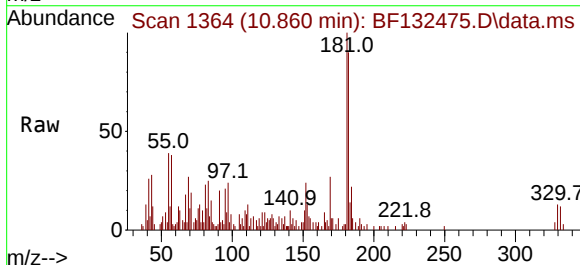
Instrument :
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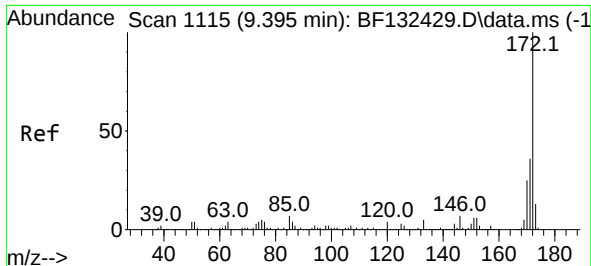
Tgt Ion:164 Resp: 509640
Ion Ratio Lower Upper
164 100
162 100.7 80.8 121.2
160 45.6 37.2 55.8



#42
2,4,6-Tribromophenol
Concen: 0.183 ng
RT: 10.860 min Scan# 1364
Delta R.T. -0.012 min
Lab File: BF132475.D
Acq: 20 Feb 2023 12:36

Tgt Ion:330 Resp: 931
Ion Ratio Lower Upper
330 100
332 103.8 76.3 114.5
141 54.8 30.3 45.5#





#45

2-Fluorobiphenyl

Concen: 42.471 ng

RT: 9.384 min Scan# 1113

Delta R.T. -0.006 min

Lab File: BF132475.D

Acq: 20 Feb 2023 12:36

Instrument :

BNA_F

ClientSampleId :

COMP-1RE

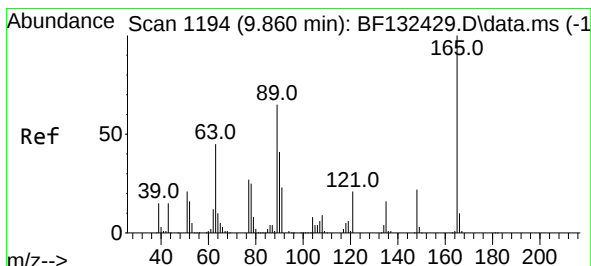
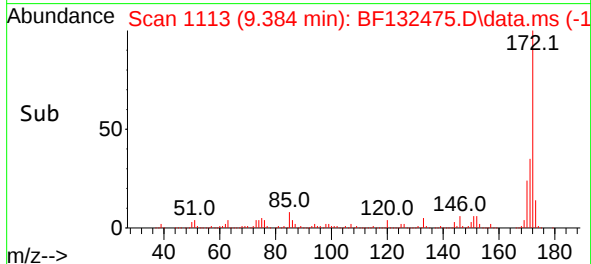
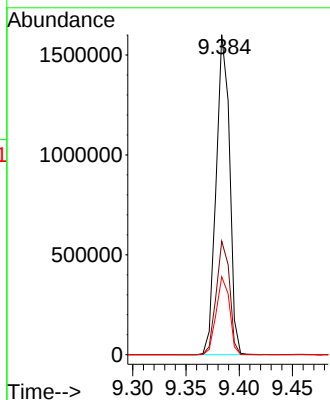
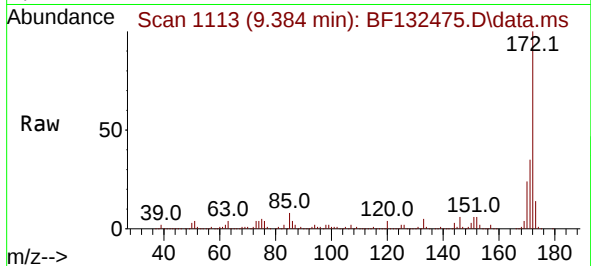
Tgt Ion:172 Resp: 1401611

Ion Ratio Lower Upper

172 100

171 35.5 28.6 42.8

170 24.3 19.9 29.9



#51

2,6-Dinitrotoluene

Concen: 8.316 ng

RT: 10.072 min Scan# 1230

Delta R.T. 0.218 min

Lab File: BF132475.D

Acq: 20 Feb 2023 12:36

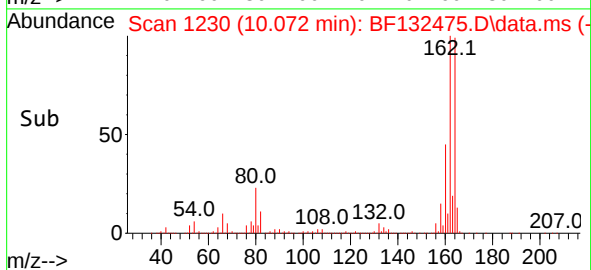
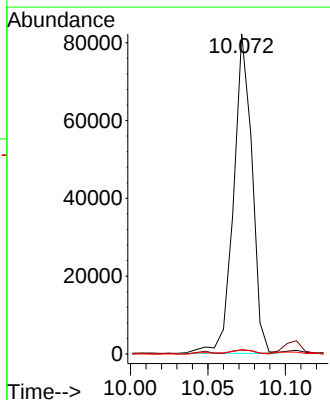
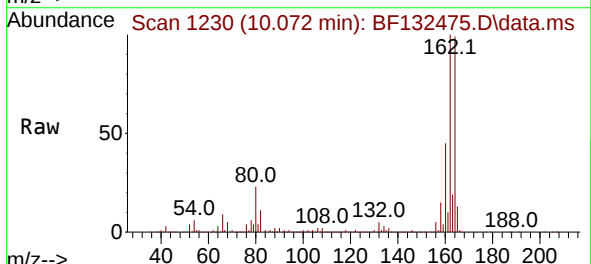
Tgt Ion:165 Resp: 67874

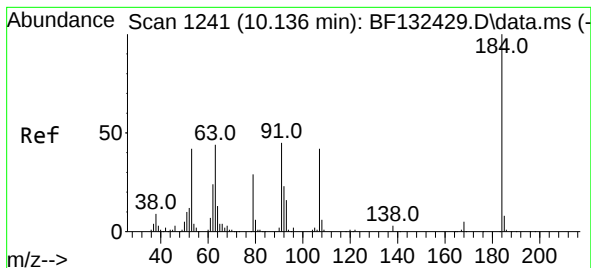
Ion Ratio Lower Upper

165 100

63 1.2 50.4 75.6#

89 1.4 52.2 78.2#

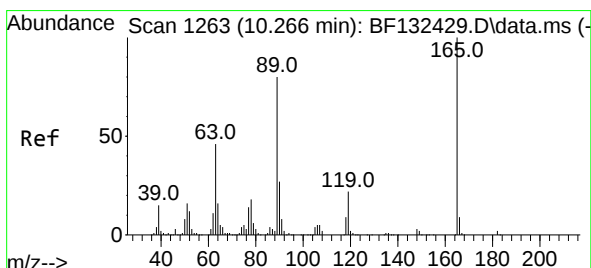
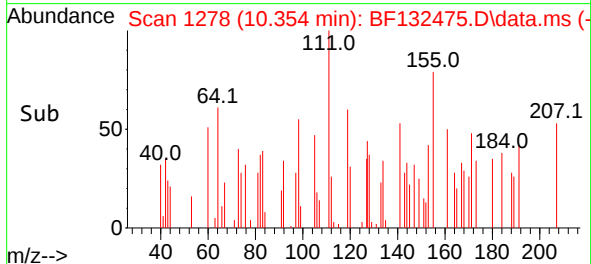
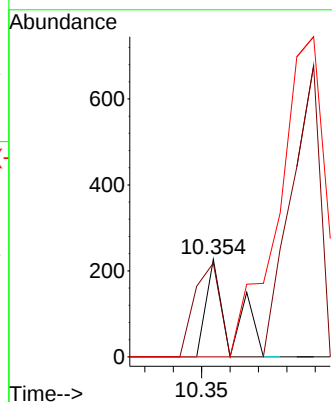
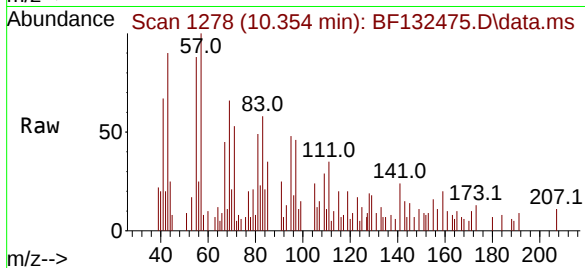




#54
2,4-Dinitrophenol
Concen: 5.153 ng
RT: 10.354 min Scan# 11
Delta R.T. 0.224 min
Lab File: BF132475.D
Acq: 20 Feb 2023 12:36

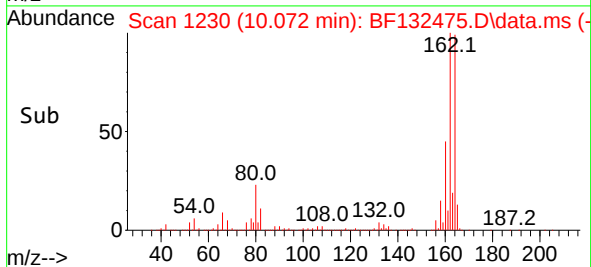
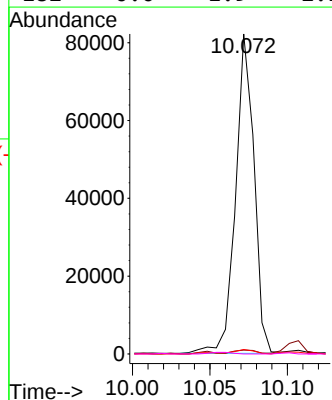
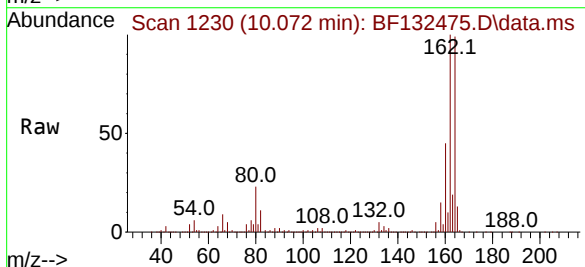
Instrument :
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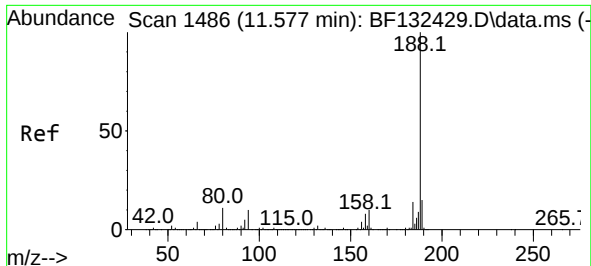
Tgt Ion:184 Resp: 133
Ion Ratio Lower Upper
184 100
63 96.0 47.0 70.6#
154 0.0 49.0 73.6#



#57
2,4-Dinitrotoluene
Concen: 6.317 ng
RT: 10.072 min Scan# 1230
Delta R.T. -0.188 min
Lab File: BF132475.D
Acq: 20 Feb 2023 12:36

Tgt Ion:165 Resp: 67874
Ion Ratio Lower Upper
165 100
63 1.2 37.1 55.7#
89 1.4 63.6 95.4#
182 0.0 1.9 2.9#

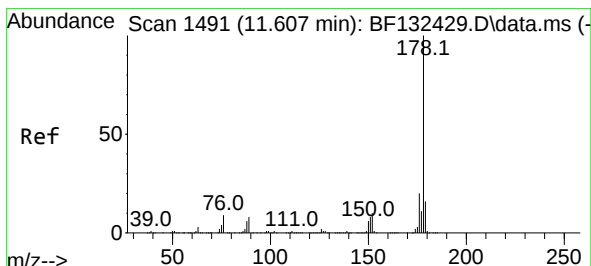
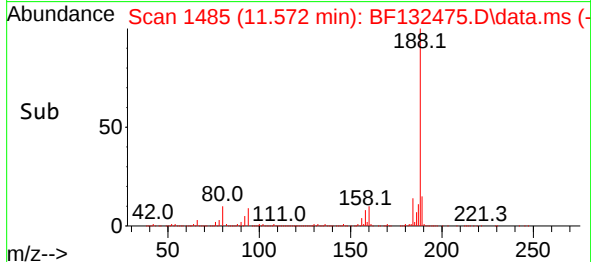
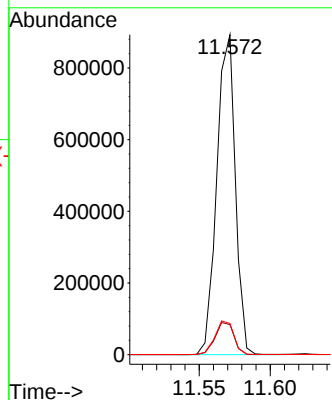
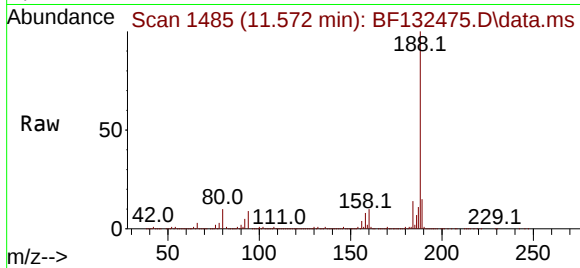




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.572 min Scan# 1485
Delta R.T. 0.000 min
Lab File: BF132475.D
Acq: 20 Feb 2023 12:36

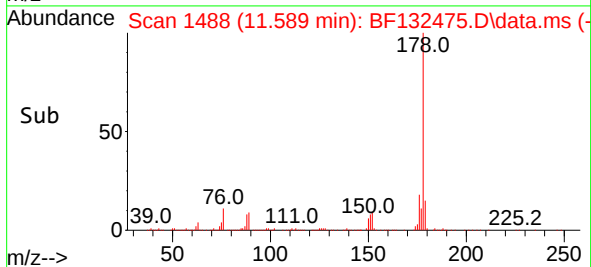
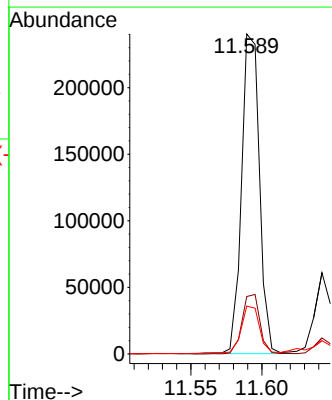
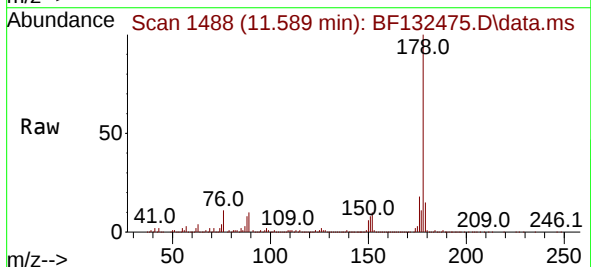
Instrument :
BNA_F
ClientSampleId :
COMP-1RE

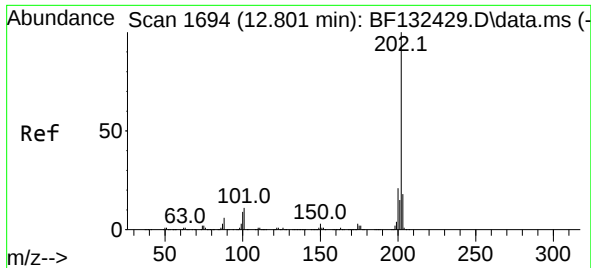
Tgt Ion:188 Resp: 810860
Ion Ratio Lower Upper
188 100
94 9.4 8.0 12.0
80 9.7 8.6 12.8



#71
Phenanthrene
Concen: 5.047 ng
RT: 11.589 min Scan# 1488
Delta R.T. -0.006 min
Lab File: BF132475.D
Acq: 20 Feb 2023 12:36

Tgt Ion:178 Resp: 210785
Ion Ratio Lower Upper
178 100
176 17.9 16.2 24.2
179 15.0 12.6 18.8

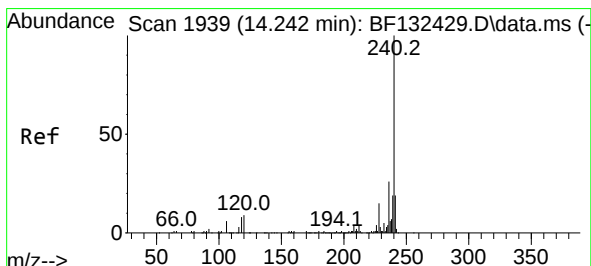
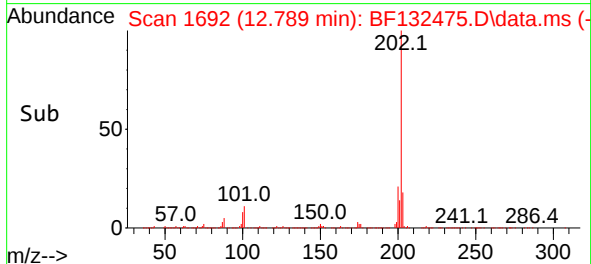
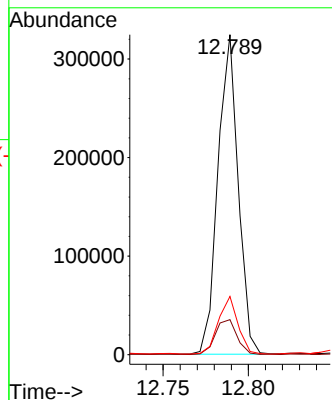
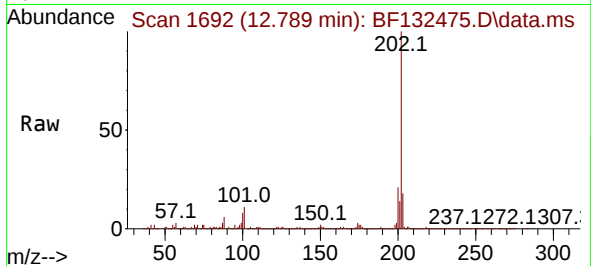




#75
Fluoranthene
Concen: 5.757 ng
RT: 12.789 min Scan# 1694
Delta R.T. -0.006 min
Lab File: BF132475.D
Acq: 20 Feb 2023 12:36

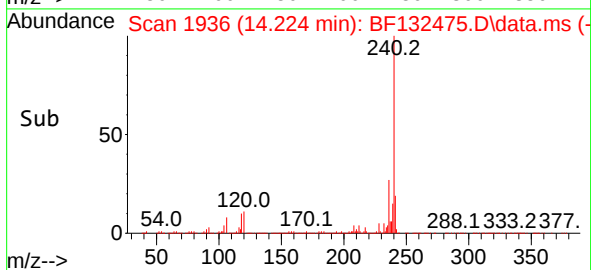
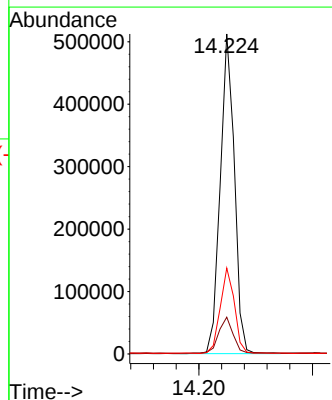
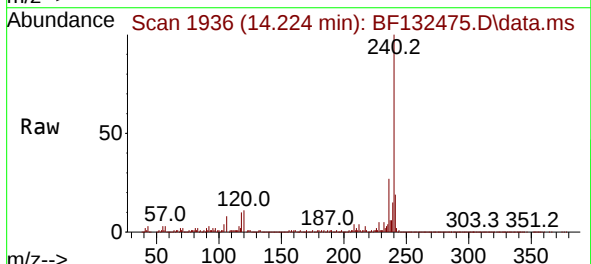
Instrument :
BNA_F
ClientSampleId :
COMP-1RE

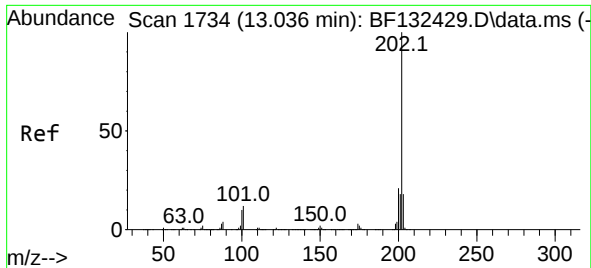
Tgt Ion:202 Resp: 268149
Ion Ratio Lower Upper
202 100
101 10.9 0.0 31.3
203 18.2 0.0 37.8



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.224 min Scan# 1936
Delta R.T. -0.006 min
Lab File: BF132475.D
Acq: 20 Feb 2023 12:36

Tgt Ion:240 Resp: 443926
Ion Ratio Lower Upper
240 100
120 11.5 7.5 11.3#
236 26.8 21.0 31.6

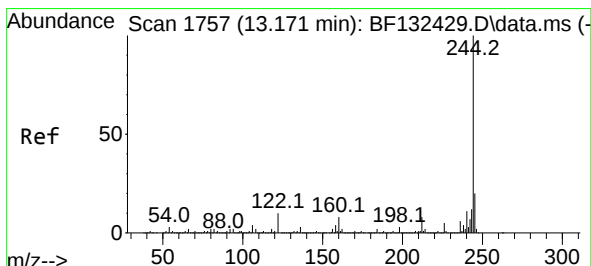
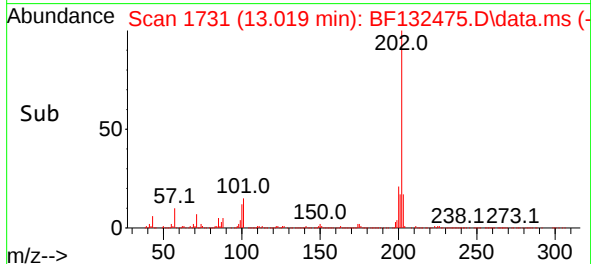
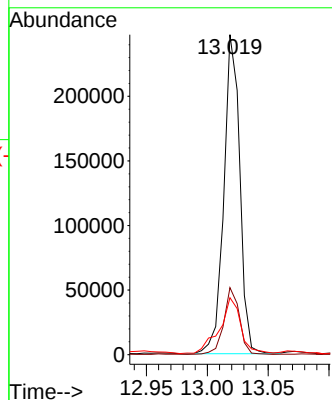
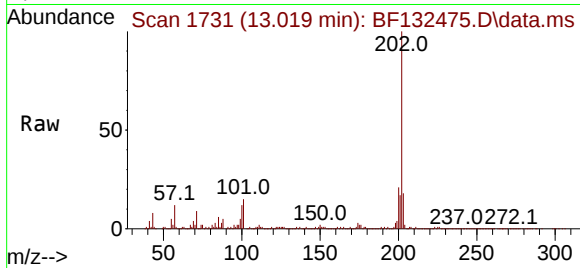




#78
Pyrene
Concen: 5.992 ng
RT: 13.019 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF132475.D
Acq: 20 Feb 2023 12:36

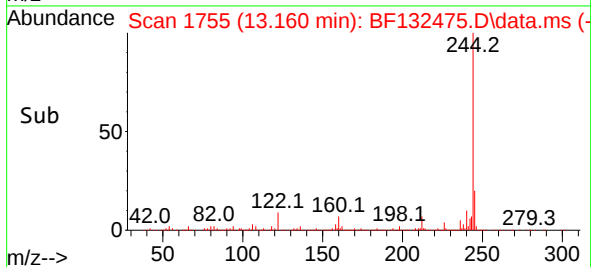
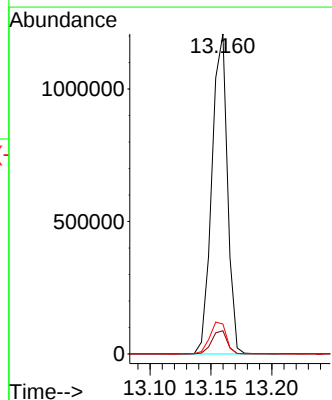
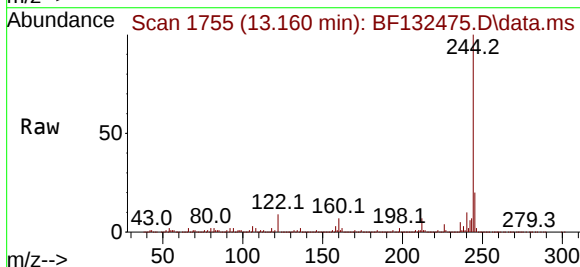
Instrument :
BNA_F
ClientSampleId :
COMP-1RE

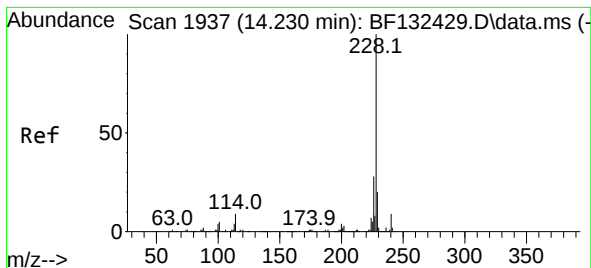
Tgt Ion:202 Resp: 225981
Ion Ratio Lower Upper
202 100
200 21.0 16.6 25.0
203 17.8 14.3 21.5



#79
Terphenyl-d14
Concen: 44.293 ng
RT: 13.160 min Scan# 1755
Delta R.T. 0.000 min
Lab File: BF132475.D
Acq: 20 Feb 2023 12:36

Tgt Ion:244 Resp: 1079658
Ion Ratio Lower Upper
244 100
212 7.3 6.7 10.1
122 9.3 7.7 11.5





#81

Benzo(a)anthracene

Concen: 3.388 ng

RT: 14.213 min Scan# 1937

Delta R.T. -0.006 min

Lab File: BF132475.D

Acq: 20 Feb 2023 12:36

Instrument :

BNA_F

ClientSampleId :

COMP-1RE

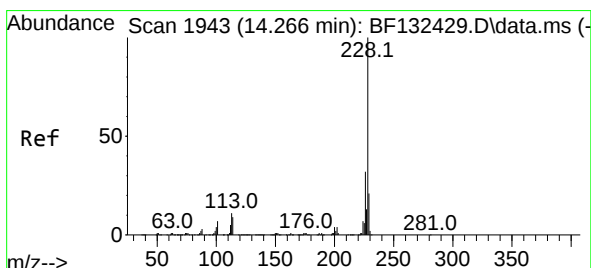
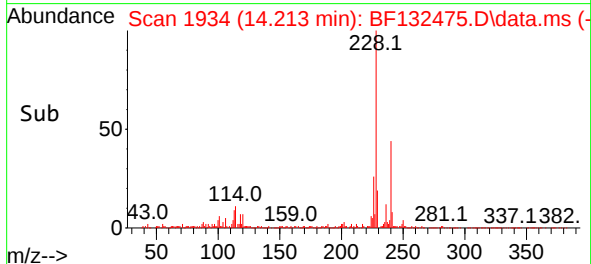
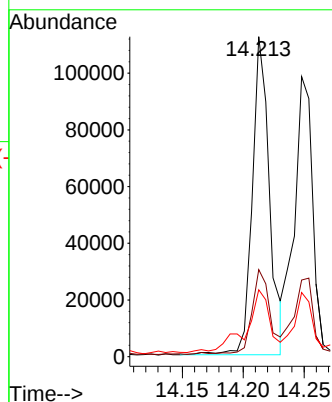
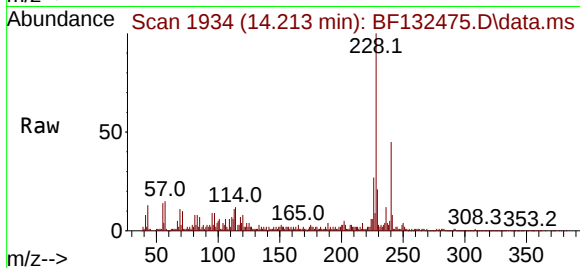
Tgt Ion:228 Resp: 110154

Ion Ratio Lower Upper

228 100

226 27.2 22.6 34.0

229 20.9 16.2 24.4



#83

Chrysene

Concen: 3.314 ng

RT: 14.248 min Scan# 1940

Delta R.T. -0.012 min

Lab File: BF132475.D

Acq: 20 Feb 2023 12:36

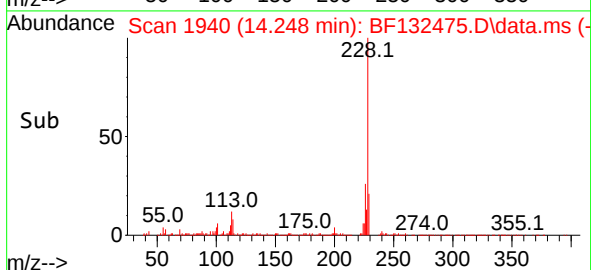
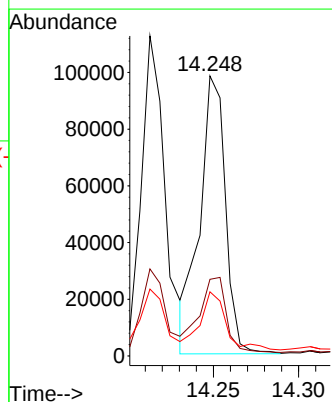
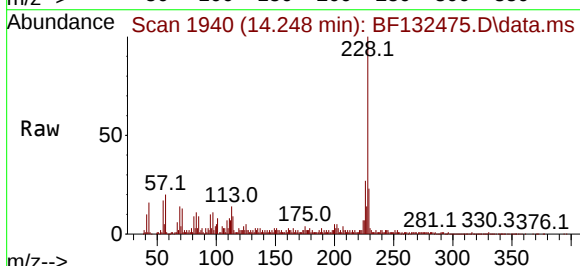
Tgt Ion:228 Resp: 102949

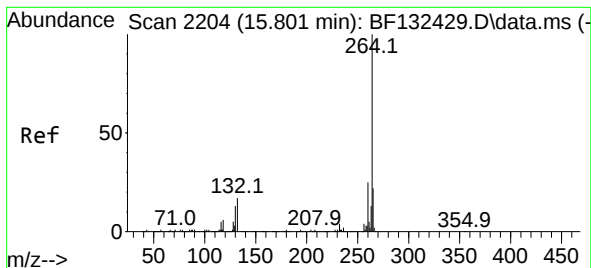
Ion Ratio Lower Upper

228 100

226 27.3 25.4 38.2

229 22.9 16.6 25.0





#86

Perylene-d12

Concen: 20.000 ng

RT: 15.789 min Scan# 2119

Delta R.T. 0.006 min

Lab File: BF132475.D

Acq: 20 Feb 2023 12:36

Instrument :

BNA_F

ClientSampleId :

COMP-1RE

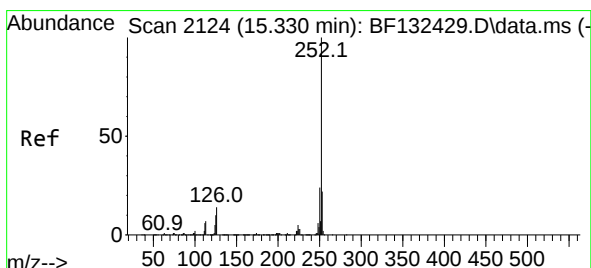
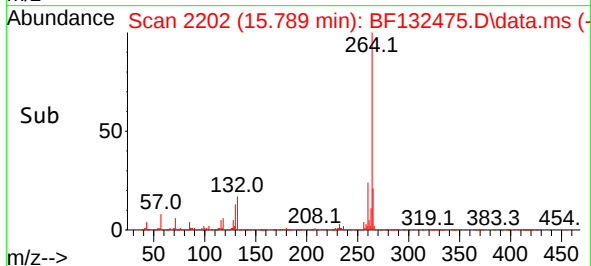
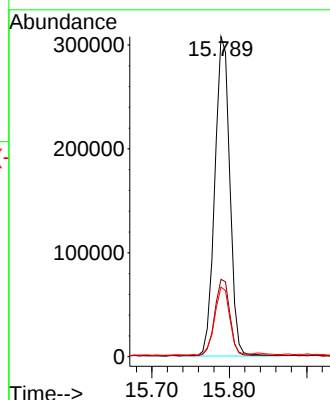
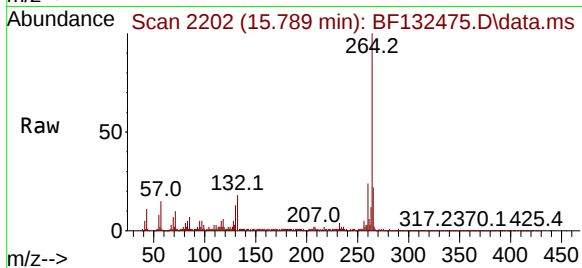
Tgt Ion:264 Resp: 412445

Ion Ratio Lower Upper

264 100

260 24.1 20.0 30.0

265 21.8 17.2 25.8



#88

Benzo(b)fluoranthene

Concen: 5.635 ng

RT: 15.318 min Scan# 2122

Delta R.T. 0.000 min

Lab File: BF132475.D

Acq: 20 Feb 2023 12:36

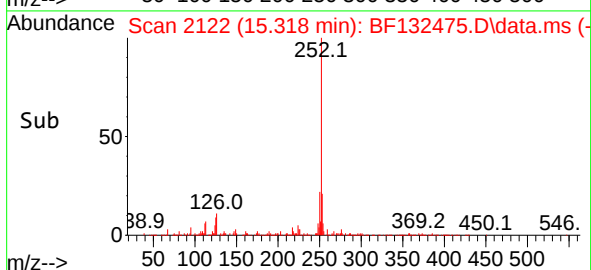
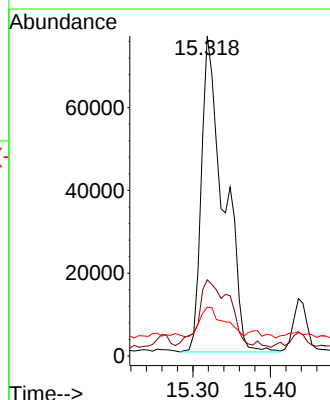
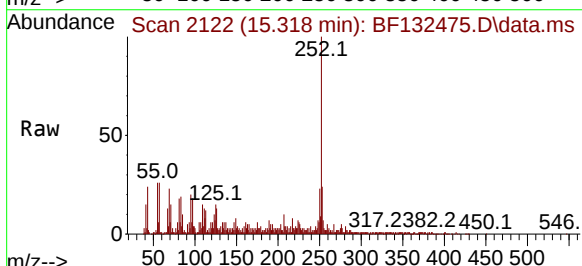
Tgt Ion:252 Resp: 152830

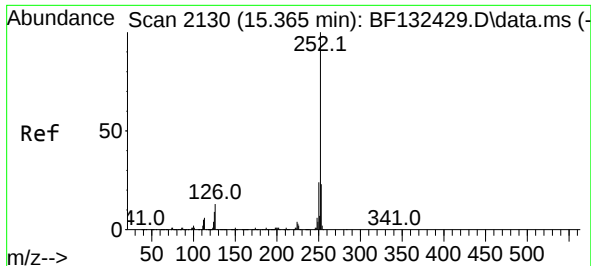
Ion Ratio Lower Upper

252 100

253 23.8 17.8 26.8

125 15.2 7.6 11.4#

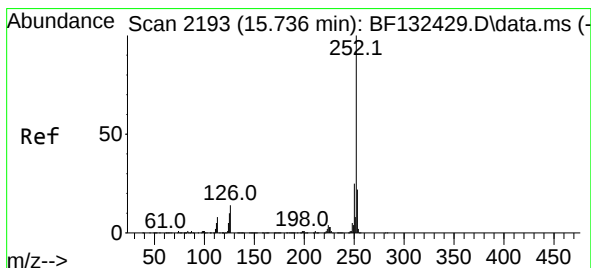
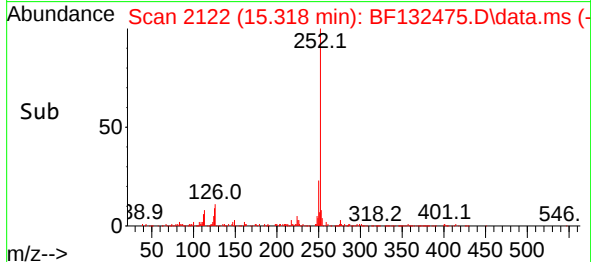
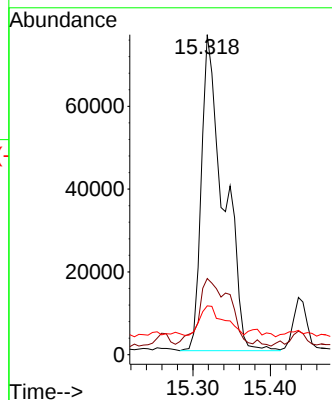
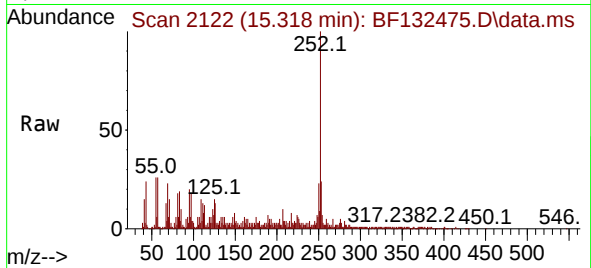




#89
Benzo(k)fluoranthene
Concen: 5.631 ng
RT: 15.318 min Scan# 211
Delta R.T. -0.035 min
Lab File: BF132475.D
Acq: 20 Feb 2023 12:36

Instrument :
BNA_F
ClientSampleId :
COMP-1RE

Tgt Ion:252 Resp: 152830
Ion Ratio Lower Upper
252 100
253 23.8 18.2 27.2
125 15.2 7.5 11.3#



#90
Benzo(a)pyrene
Concen: 2.829 ng
RT: 15.718 min Scan# 2190
Delta R.T. 0.000 min
Lab File: BF132475.D
Acq: 20 Feb 2023 12:36

Tgt Ion:252 Resp: 71313
Ion Ratio Lower Upper
252 100
253 27.6 17.6 26.4#
125 20.2 8.2 12.4#

