

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF052522\
 Data File : BF128464.D
 Acq On : 25 May 2022 17:23
 Operator : CG\JU
 Sample : N2896-16
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 P039-SS001-2430-01

Quant Time: May 26 01:01:17 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF052022.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed May 25 12:38:46 2022
 Response via : Initial Calibration

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

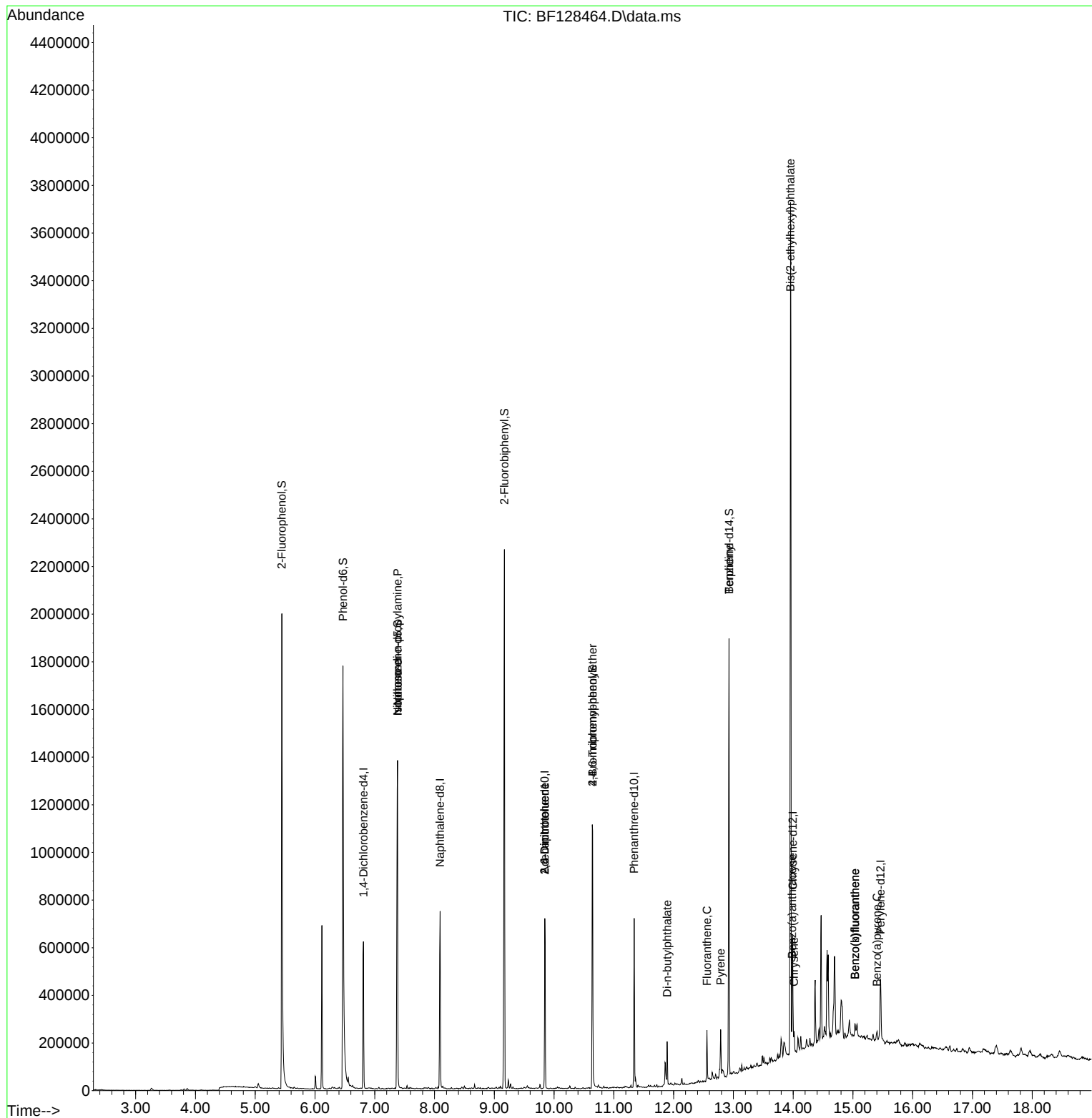
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.810	152	88868	20.000	ng	0.00
21) Naphthalene-d8	8.092	136	306794	20.000	ng	0.00
39) Acenaphthene-d10	9.845	164	146371	20.000	ng	0.00
64) Phenanthrene-d10	11.339	188	236264	20.000	ng	0.00
76) Chrysene-d12	13.992	240	166633	20.000	ng	0.00
86) Perylene-d12	15.462	264	120010	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.445	112	587590	105.221	ng	0.01
7) Phenol-d6	6.469	99	740549	100.708	ng	0.01
23) Nitrobenzene-d5	7.381	82	483531	70.616	ng	0.00
42) 2,4,6-Tribromophenol	10.645	330	138661	91.858	ng	0.00
45) 2-Fluorobiphenyl	9.169	172	666036	74.413	ng	0.00
79) Terphenyl-d14	12.927	244	591215	68.491	ng	0.00
Target Compounds						Qvalue
9) Benzaldehyde	6.386	77	167	Below Cal	#	49
19) n-Nitroso-di-n-propyla...	7.381	70	65157	14.816	ng	# 77
25) Isophorone	7.381	82	483593	46.086	ng	# 68
51) 2,6-Dinitrotoluene	9.845	165	18492	9.068	ng	# 21
57) 2,4-Dinitrotoluene	9.845	165	18492	7.198	ng	# 26
67) 4-Bromophenyl-phenylether	10.645	248	8147	3.295	ng	# 1
74) Di-n-butylphthalate	11.892	149	75780	6.070	ng	99
75) Fluoranthene	12.557	202	75788	6.069	ng	98
77) Benzidine	12.927	184	8564	2.471	ng	97
78) Pyrene	12.786	202	71455	5.727	ng	98
81) Benzo(a)anthracene	13.980	228	36814	3.472	ng	96
83) Chrysene	14.015	228	32482	3.217	ng	95
84) Bis(2-ethylhexyl)phtha...	13.957	149	1035082	156.445	ng	98
88) Benzo(b)fluoranthene	15.033	252	39536	5.296	ng	# 88
89) Benzo(k)fluoranthene	15.033	252	39536	5.654	ng	# 87
90) Benzo(a)pyrene	15.404	252	16751	2.795	ng	# 92

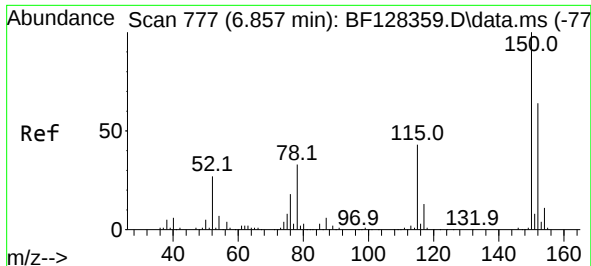
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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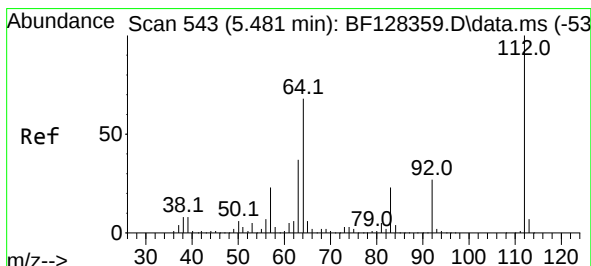
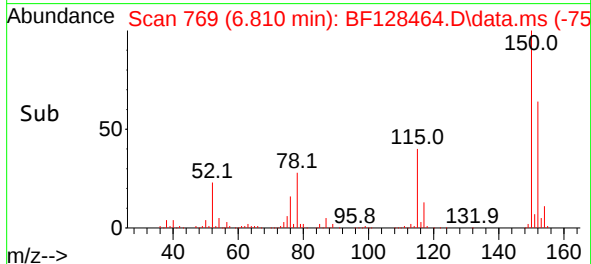
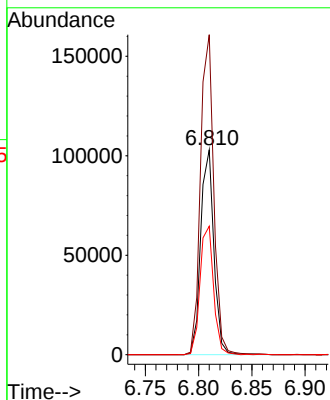
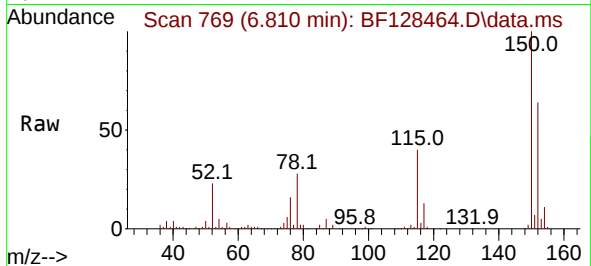




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.810 min Scan# 70
Delta R.T. -0.000 min
Lab File: BF128464.D
Acq: 25 May 2022 17:23

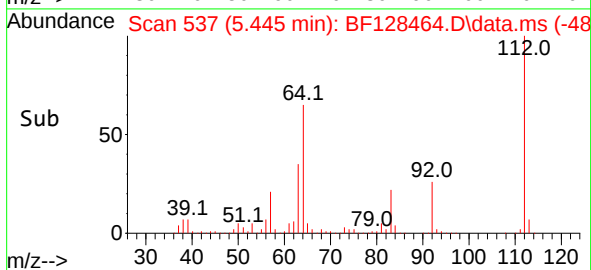
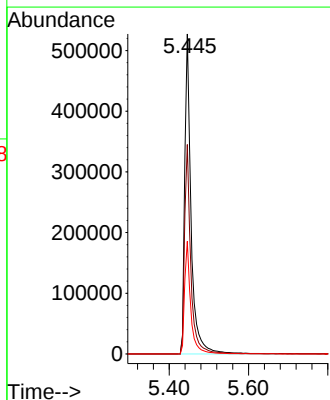
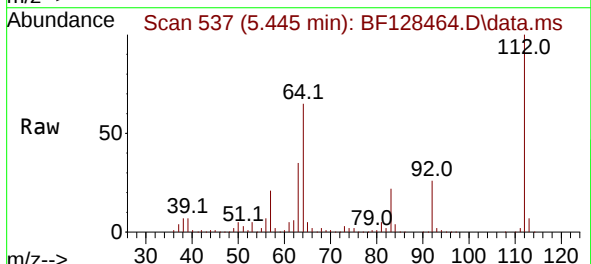
Instrument :
BNA_F
ClientSampleId :
P039-SS001-2430-01

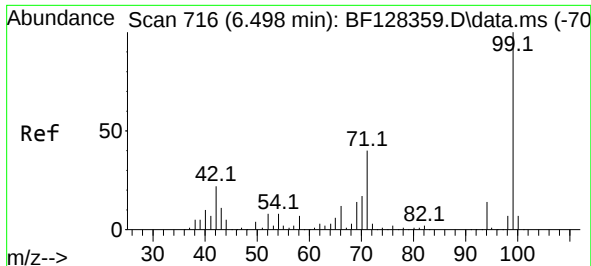
Tgt Ion:152 Resp: 88868
Ion Ratio Lower Upper
152 100
150 156.3 125.3 187.9
115 62.8 48.8 73.2



#5
2-Fluorophenol
Concen: 105.221 ng
RT: 5.445 min Scan# 537
Delta R.T. 0.012 min
Lab File: BF128464.D
Acq: 25 May 2022 17:23

Tgt Ion:112 Resp: 587590
Ion Ratio Lower Upper
112 100
64 65.5 49.5 74.3
63 35.2 26.3 39.5

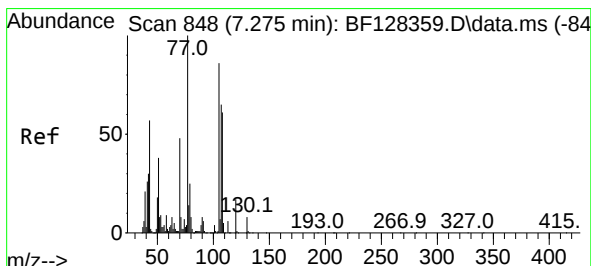
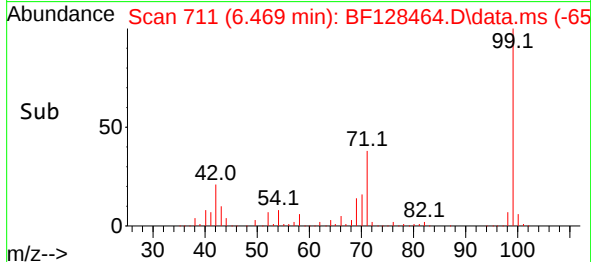
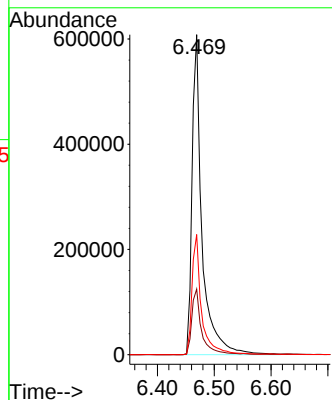
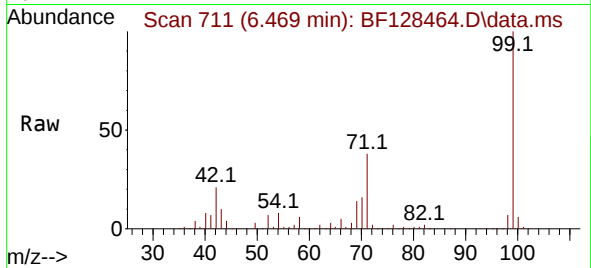




#7
Phenol-d6
Concen: 100.708 ng
RT: 6.469 min Scan# 716
Delta R.T. 0.012 min
Lab File: BF128464.D
Acq: 25 May 2022 17:23

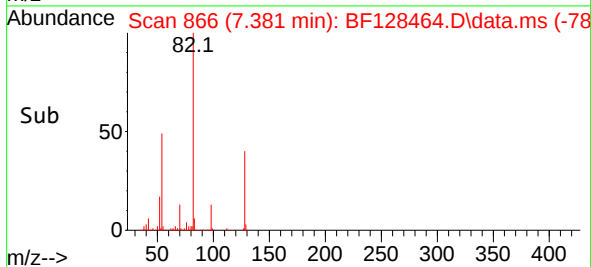
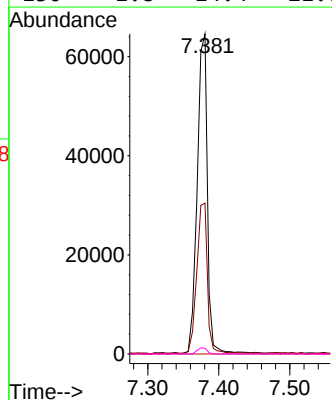
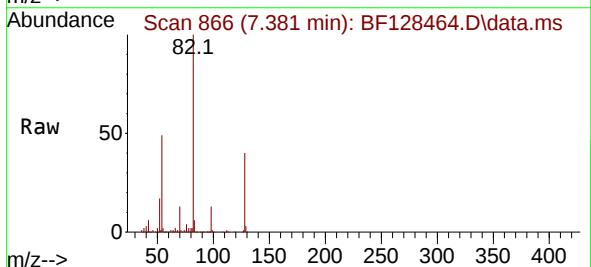
Instrument :
BNA_F
ClientSampleId :
P039-SS001-2430-01

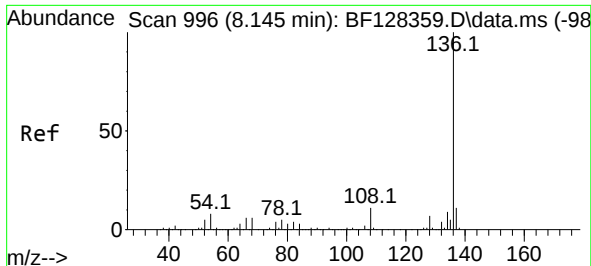
Tgt Ion: 99 Resp: 740549
Ion Ratio Lower Upper
99 100
42 20.5 16.6 24.8
71 37.6 30.0 45.0



#19
n-Nitroso-di-n-propylamine
Concen: 14.816 ng
RT: 7.381 min Scan# 866
Delta R.T. 0.153 min
Lab File: BF128464.D
Acq: 25 May 2022 17:23

Tgt Ion: 70 Resp: 65157
Ion Ratio Lower Upper
70 100
42 47.1 48.7 73.1#
101 0.0 7.2 10.8#
130 1.8 14.4 21.6#

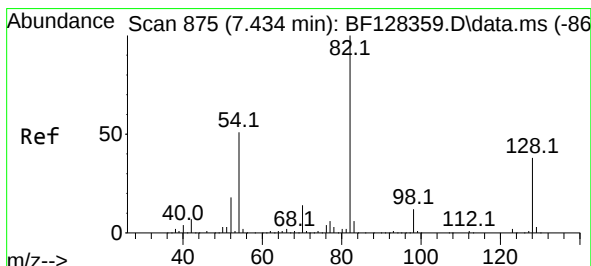
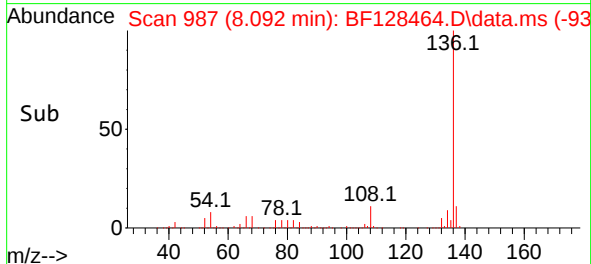
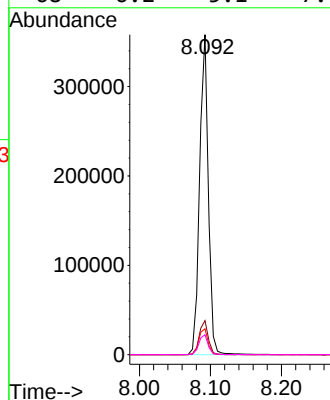
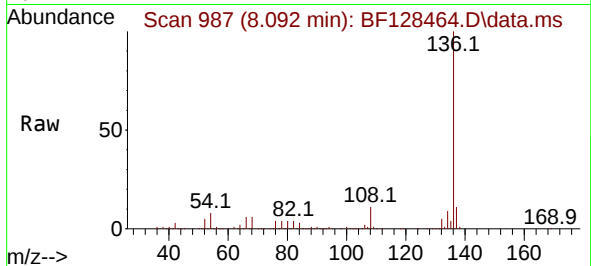




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.092 min Scan# 91
Delta R.T. -0.000 min
Lab File: BF128464.D
Acq: 25 May 2022 17:23

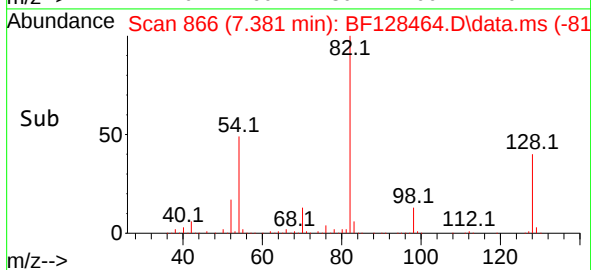
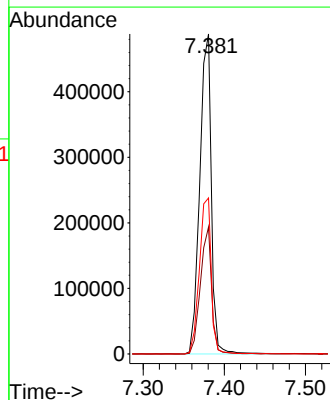
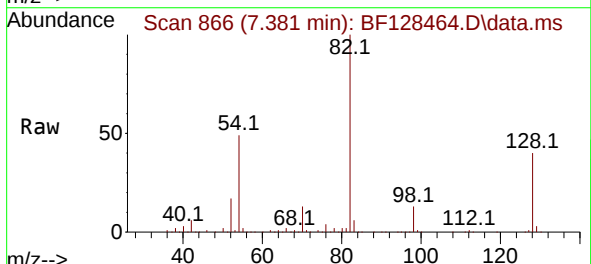
Instrument :
BNA_F
ClientSampleId :
P039-SS001-2430-01

Tgt Ion:	136	Resp:	306794
Ion Ratio	Lower	Upper	
136	100		
137	10.6	8.6	13.0
54	8.1	6.8	10.2
68	6.2	5.1	7.7



#23
Nitrobenzene-d5
Concen: 70.616 ng
RT: 7.381 min Scan# 866
Delta R.T. -0.000 min
Lab File: BF128464.D
Acq: 25 May 2022 17:23

Tgt Ion:	82	Resp:	483531
Ion Ratio	Lower	Upper	
82	100		
128	39.6	30.0	45.0
54	48.7	41.3	61.9

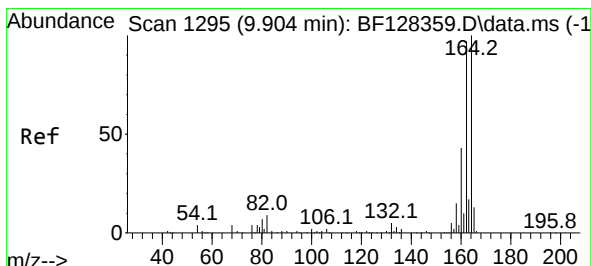
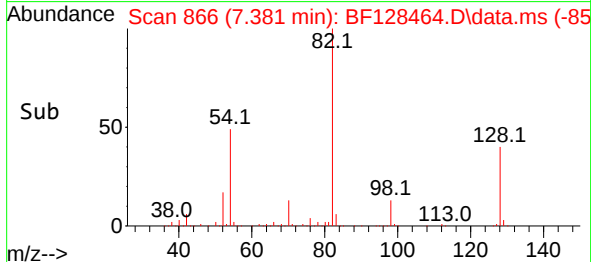
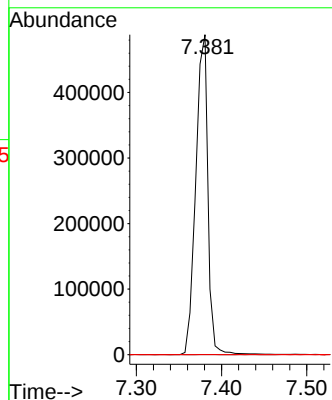
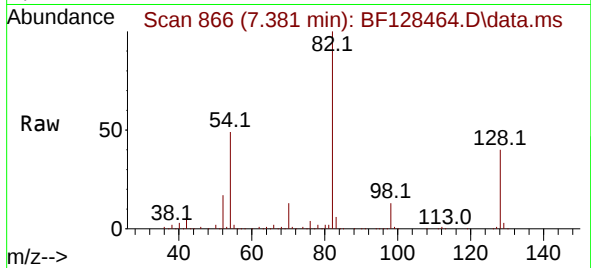




#25
Isophorone
Concen: 46.086 ng
RT: 7.381 min Scan# 80
Delta R.T. -0.259 min
Lab File: BF128464.D
Acq: 25 May 2022 17:23

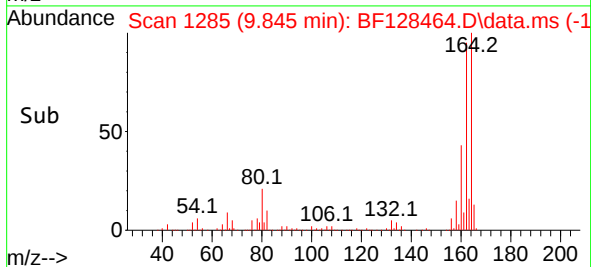
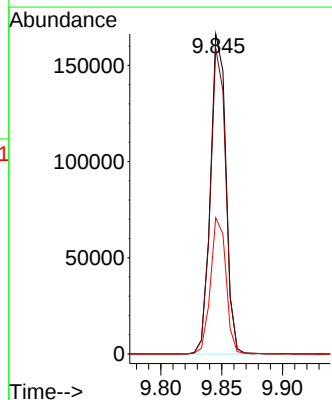
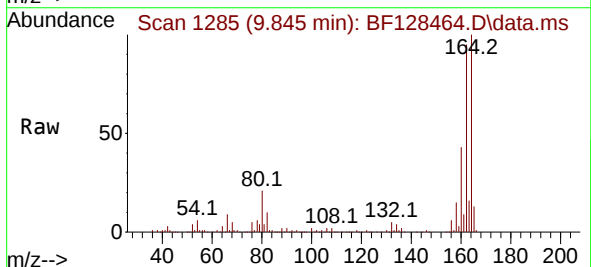
Instrument :
BNA_F
ClientSampleId :
P039-SS001-2430-01

Tgt Ion: 82 Resp: 483593
Ion Ratio Lower Upper
82 100
95 0.0 5.6 8.4#
138 0.0 12.5 18.7#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.845 min Scan# 1285
Delta R.T. -0.006 min
Lab File: BF128464.D
Acq: 25 May 2022 17:23

Tgt Ion: 164 Resp: 146371
Ion Ratio Lower Upper
164 100
162 95.5 76.0 114.0
160 42.5 34.8 52.2





#42

2,4,6-Tribromophenol

Concen: 91.858 ng

RT: 10.645 min Scan# 1430

Delta R.T. -0.000 min

Lab File: BF128464.D

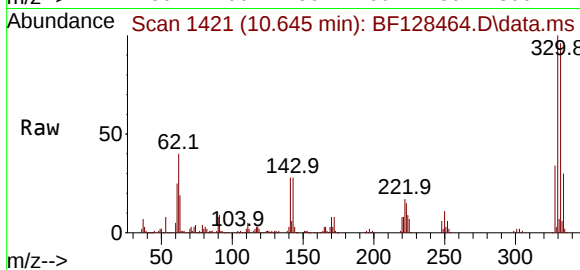
Acq: 25 May 2022 17:23

Instrument :

BNA_F

ClientSampleId :

P039-SS001-2430-01



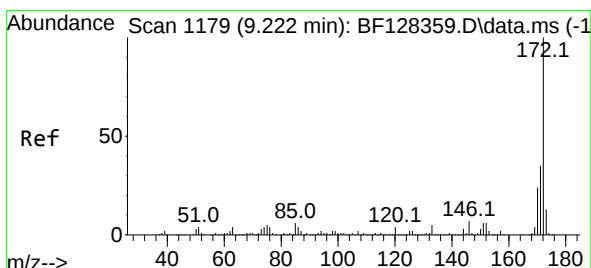
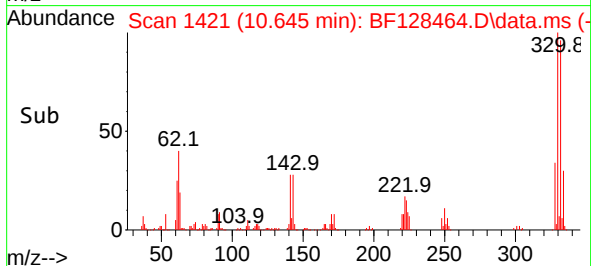
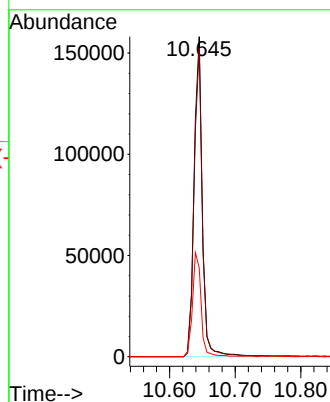
Tgt Ion:330 Resp: 138661

Ion Ratio Lower Upper

330 100

332 96.3 79.0 118.4

141 33.9 28.9 43.3



#45

2-Fluorobiphenyl

Concen: 74.413 ng

RT: 9.169 min Scan# 1170

Delta R.T. -0.000 min

Lab File: BF128464.D

Acq: 25 May 2022 17:23

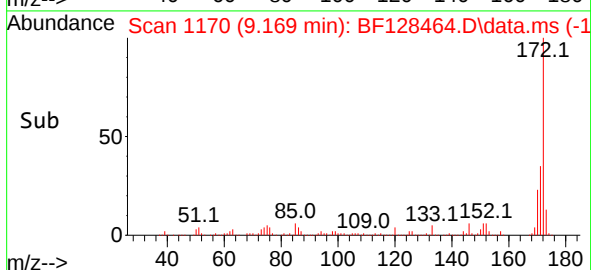
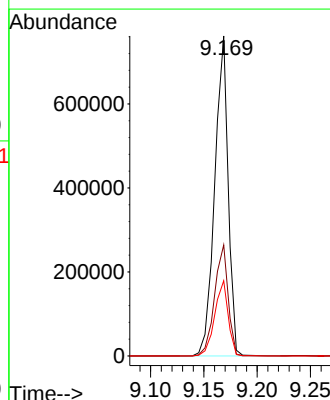
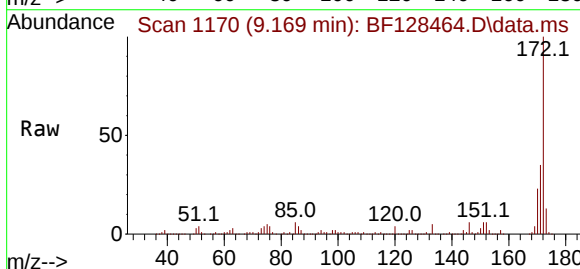
Tgt Ion:172 Resp: 666036

Ion Ratio Lower Upper

172 100

171 34.7 28.6 42.8

170 23.5 19.1 28.7

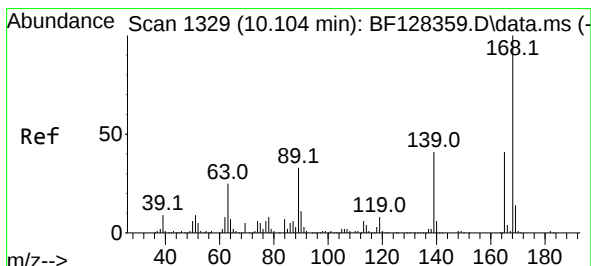
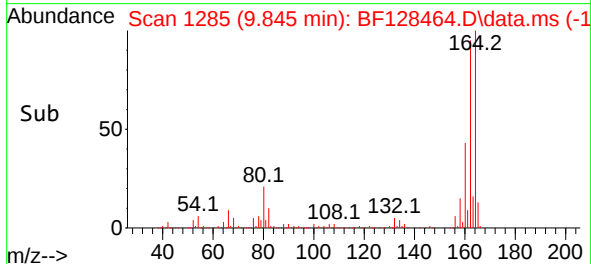
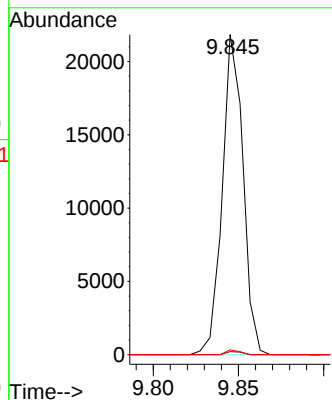
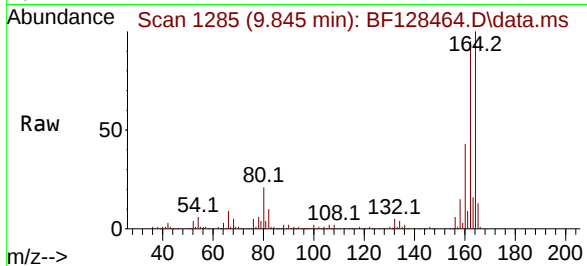




#51
2,6-Dinitrotoluene
Concen: 9.068 ng
RT: 9.845 min Scan# 11
Delta R.T. 0.200 min
Lab File: BF128464.D
Acq: 25 May 2022 17:23

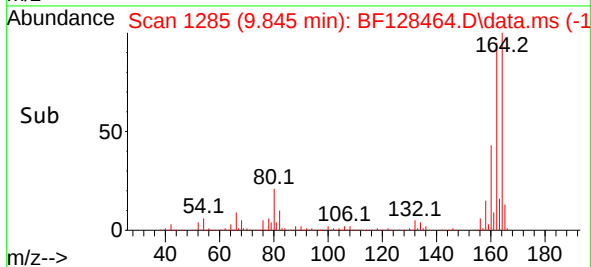
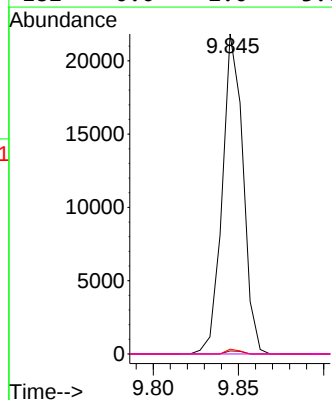
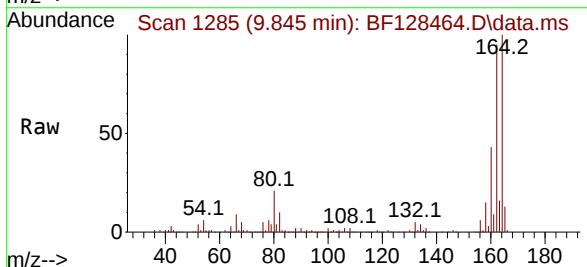
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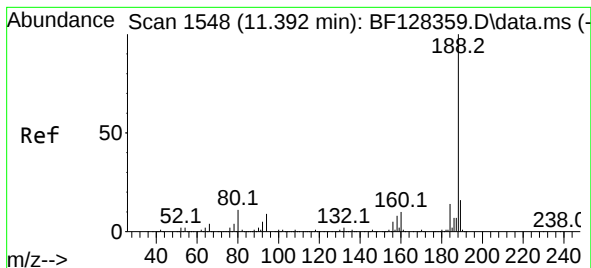
Tgt Ion:165 Resp: 18492
Ion Ratio Lower Upper
165 100
63 0.9 49.5 74.3#
89 1.5 49.0 73.4#



#57
2,4-Dinitrotoluene
Concen: 7.198 ng
RT: 9.845 min Scan# 1285
Delta R.T. -0.206 min
Lab File: BF128464.D
Acq: 25 May 2022 17:23

Tgt Ion:165 Resp: 18492
Ion Ratio Lower Upper
165 100
63 0.9 32.6 49.0#
89 1.5 55.2 82.8#
182 0.0 2.0 3.0#





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.339 min Scan# 1

Delta R.T. -0.000 min

Lab File: BF128464.D

Acq: 25 May 2022 17:23

Instrument :

BNA_F

ClientSampleId :

P039-SS001-2430-01

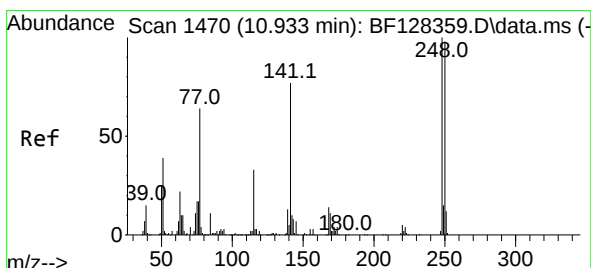
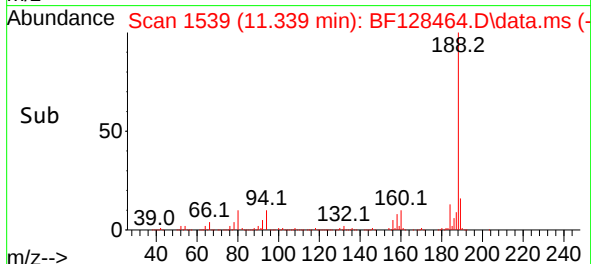
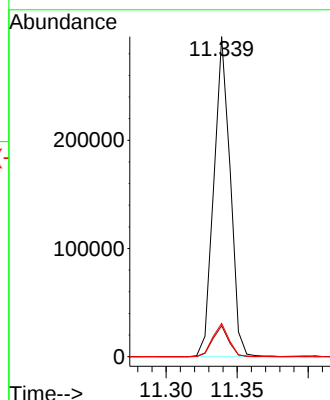
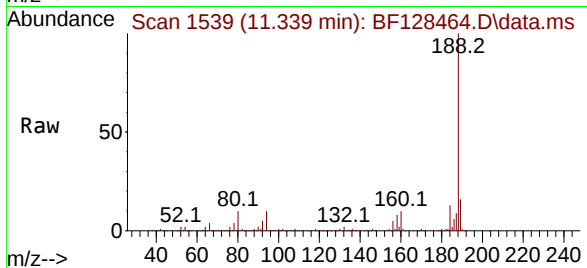
Tgt Ion:188 Resp: 236264

Ion Ratio Lower Upper

188 100

94 9.7 8.0 12.0

80 10.4 8.9 13.3



#67

4-Bromophenyl-phenylether

Concen: 3.295 ng

RT: 10.645 min Scan# 1421

Delta R.T. -0.235 min

Lab File: BF128464.D

Acq: 25 May 2022 17:23

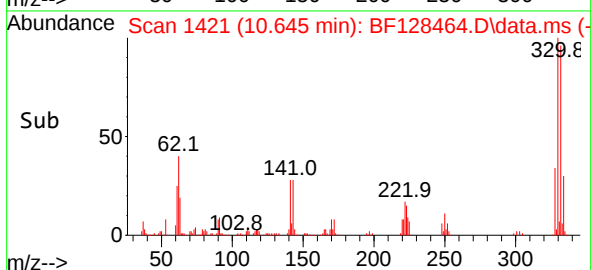
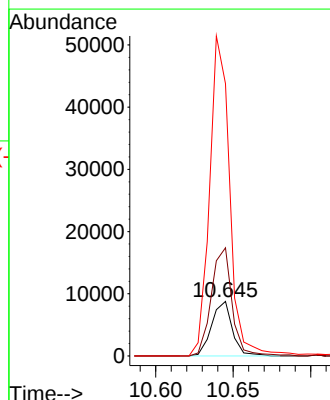
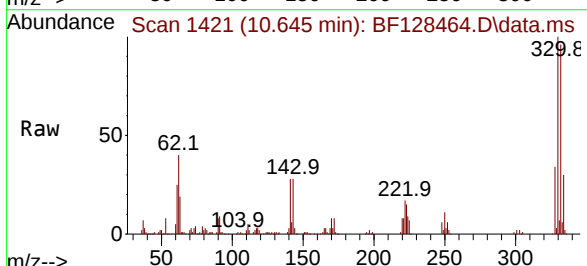
Tgt Ion:248 Resp: 8147

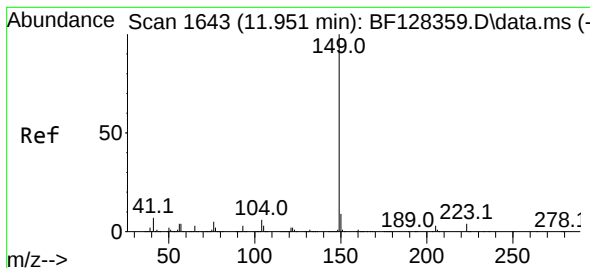
Ion Ratio Lower Upper

248 100

250 198.4 77.7 116.5#

141 499.0 65.6 98.4#





#74

Di-n-butylphthalate

Concen: 6.070 ng

RT: 11.892 min Scan# 1

Delta R.T. -0.000 min

Lab File: BF128464.D

Acq: 25 May 2022 17:23

Instrument :

BNA_F

ClientSampleId :

P039-SS001-2430-01

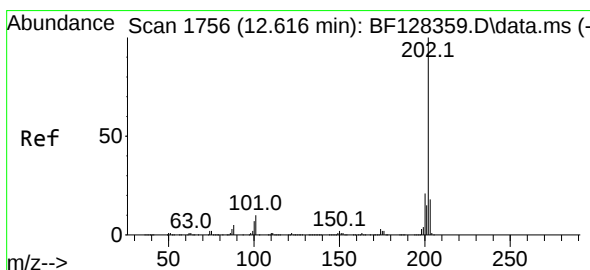
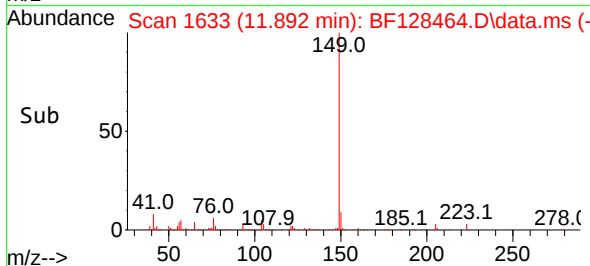
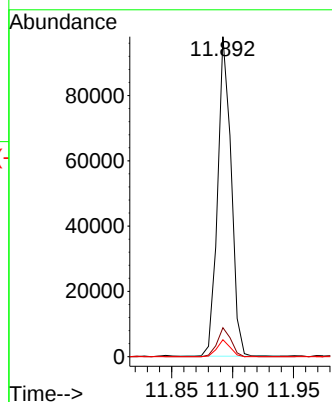
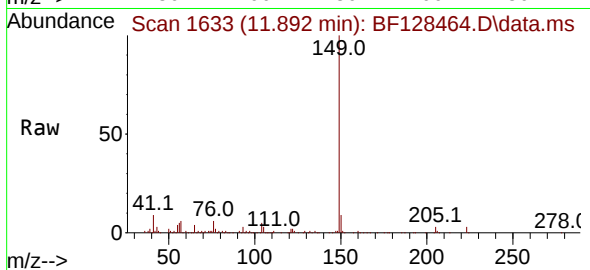
Tgt Ion:149 Resp: 75780

Ion Ratio Lower Upper

149 100

150 9.0 7.5 11.3

104 5.3 4.3 6.5



#75

Fluoranthene

Concen: 6.069 ng

RT: 12.557 min Scan# 1746

Delta R.T. -0.000 min

Lab File: BF128464.D

Acq: 25 May 2022 17:23

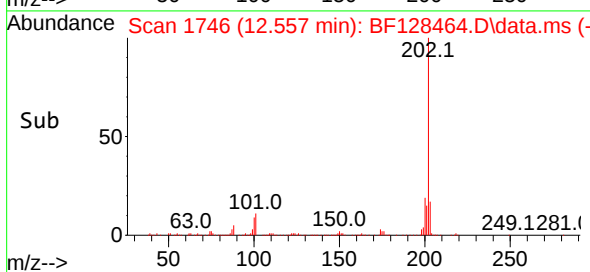
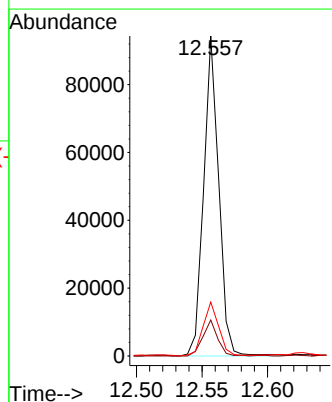
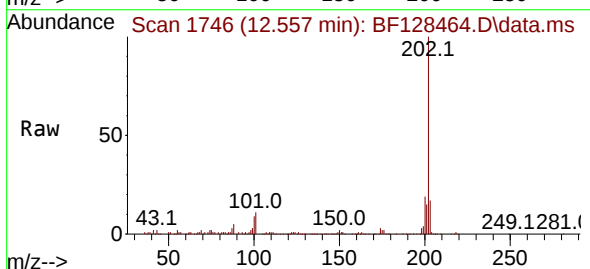
Tgt Ion:202 Resp: 75788

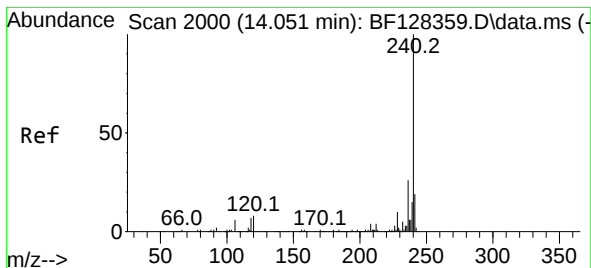
Ion Ratio Lower Upper

202 100

101 11.2 0.0 31.6

203 16.8 0.0 38.1





#76

Chrysene-d12

Concen: 20.000 ng

RT: 13.992 min Scan# 1809

Delta R.T. -0.000 min

Lab File: BF128464.D

Acq: 25 May 2022 17:23

Instrument :

BNA_F

ClientSampleId :

P039-SS001-2430-01

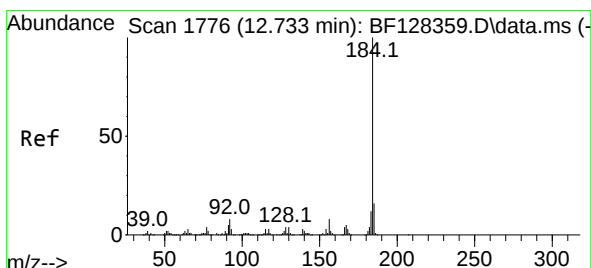
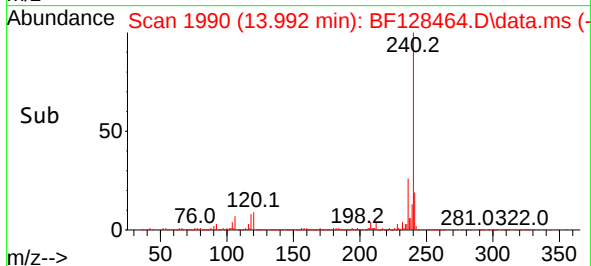
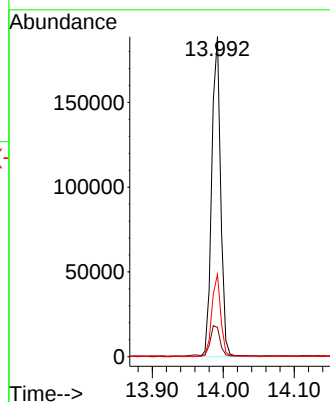
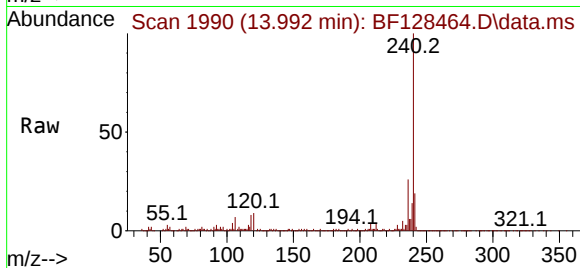
Tgt Ion:240 Resp: 166633

Ion Ratio Lower Upper

240 100

120 9.1 7.0 10.6

236 25.7 20.3 30.5



#77

Benzidine

Concen: 2.471 ng

RT: 12.927 min Scan# 1809

Delta R.T. 0.247 min

Lab File: BF128464.D

Acq: 25 May 2022 17:23

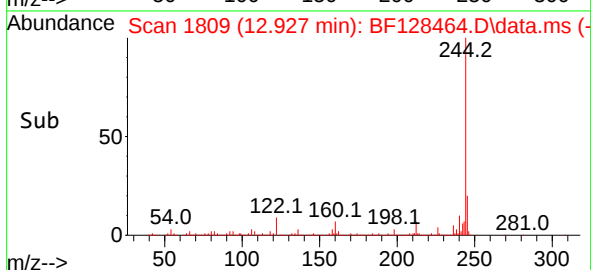
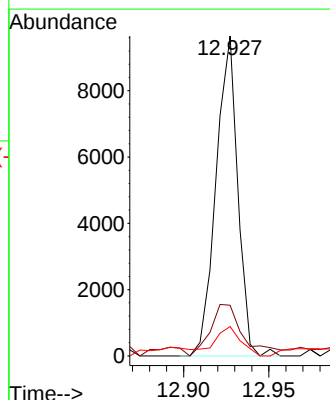
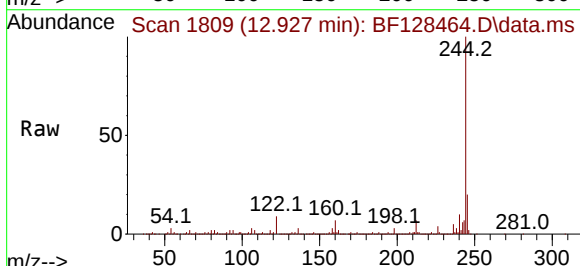
Tgt Ion:184 Resp: 8564

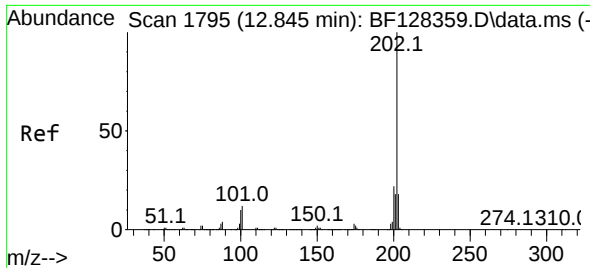
Ion Ratio Lower Upper

184 100

185 15.8 12.1 18.1

183 9.2 9.0 13.4

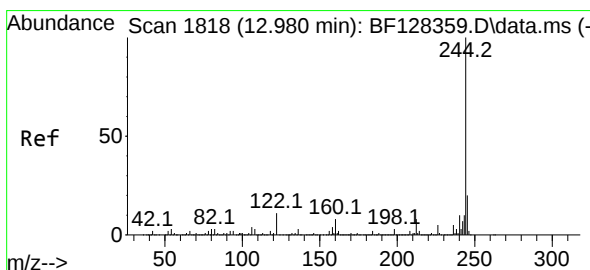
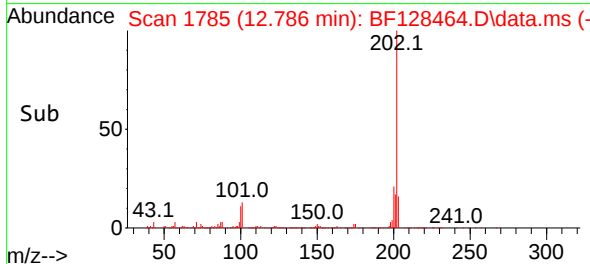
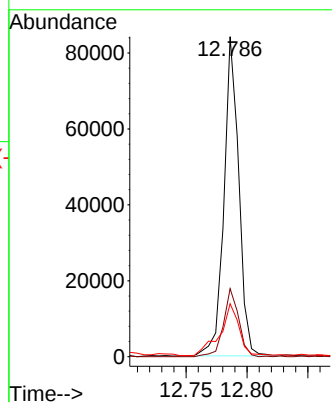
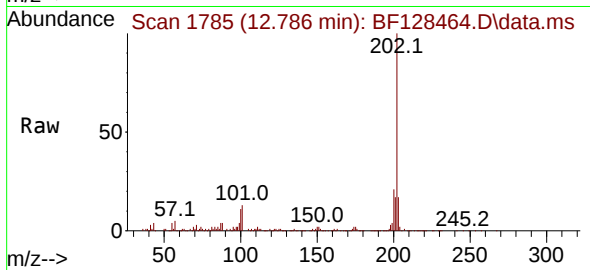




#78
 Pyrene
 Concen: 5.727 ng
 RT: 12.786 min Scan# 11
 Delta R.T. -0.000 min
 Lab File: BF128464.D
 Acq: 25 May 2022 17:23

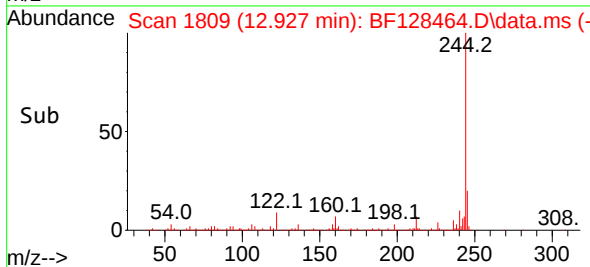
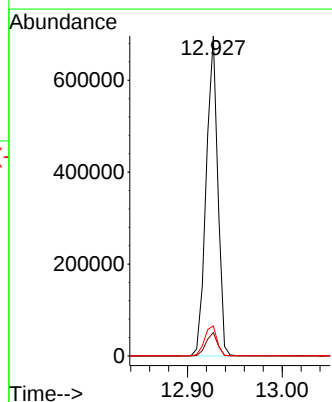
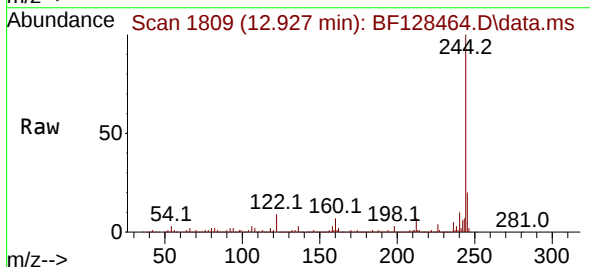
Instrument :
 BNA_F
 ClientSampleId :
 P039-SS001-2430-01

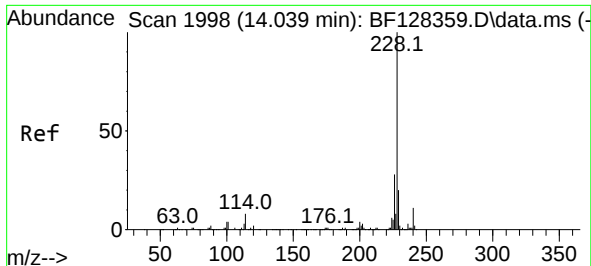
Tgt Ion:202 Resp: 71455
 Ion Ratio Lower Upper
 202 100
 200 21.3 17.4 26.2
 203 16.6 14.0 21.0



#79
 Terphenyl-d14
 Concen: 68.491 ng
 RT: 12.927 min Scan# 1809
 Delta R.T. -0.000 min
 Lab File: BF128464.D
 Acq: 25 May 2022 17:23

Tgt Ion:244 Resp: 591215
 Ion Ratio Lower Upper
 244 100
 212 7.3 6.2 9.4
 122 9.4 8.6 12.8

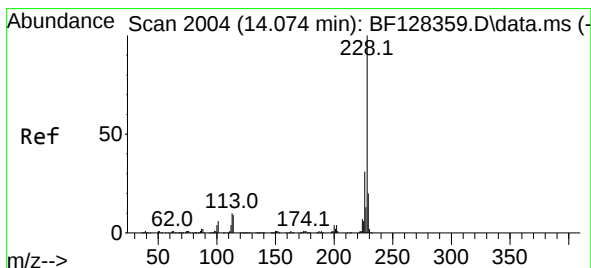
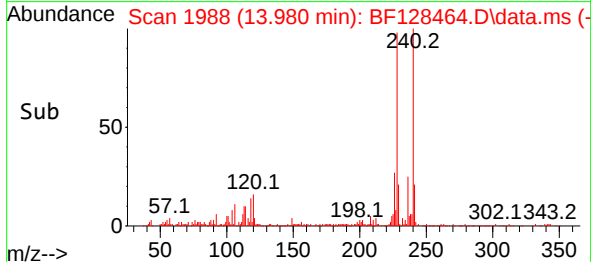
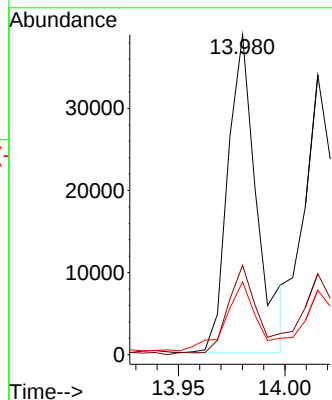
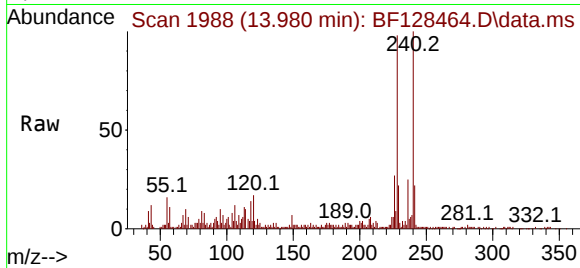




#81
Benzo(a)anthracene
Concen: 3.472 ng
RT: 13.980 min Scan# 1998
Delta R.T. -0.000 min
Lab File: BF128464.D
Acq: 25 May 2022 17:23

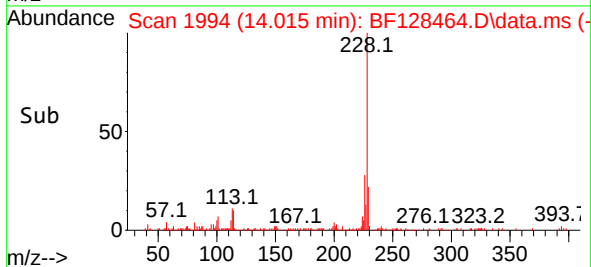
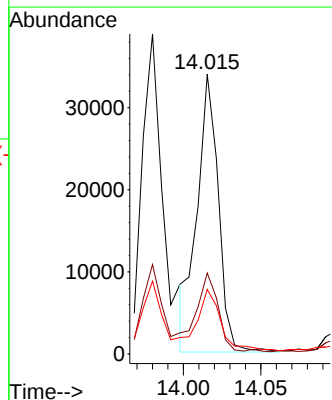
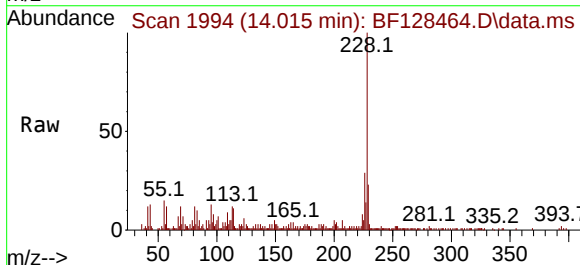
Instrument :
BNA_F
ClientSampleId :
P039-SS001-2430-01

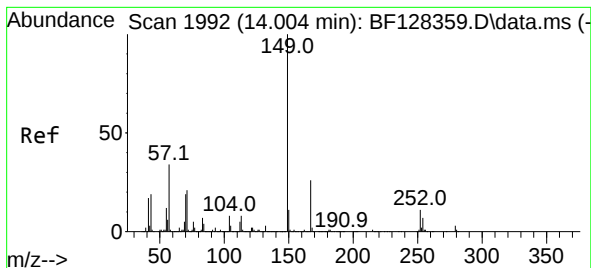
Tgt Ion:228 Resp: 36814
Ion Ratio Lower Upper
228 100
226 27.9 21.7 32.5
229 22.7 15.4 23.2



#83
Chrysene
Concen: 3.217 ng
RT: 14.015 min Scan# 1994
Delta R.T. -0.000 min
Lab File: BF128464.D
Acq: 25 May 2022 17:23

Tgt Ion:228 Resp: 32482
Ion Ratio Lower Upper
228 100
226 28.9 24.4 36.6
229 23.0 15.8 23.8

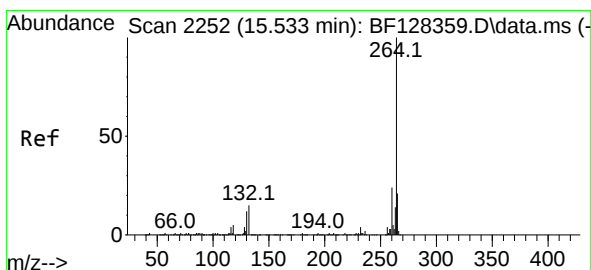
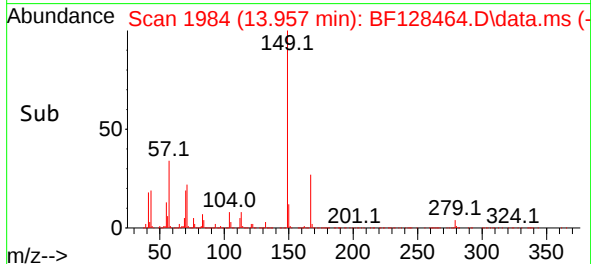
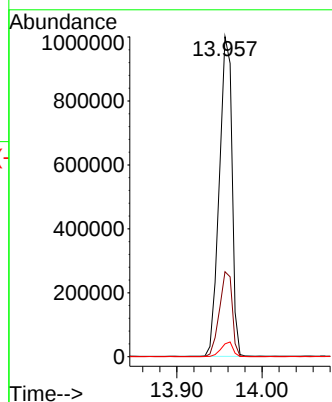
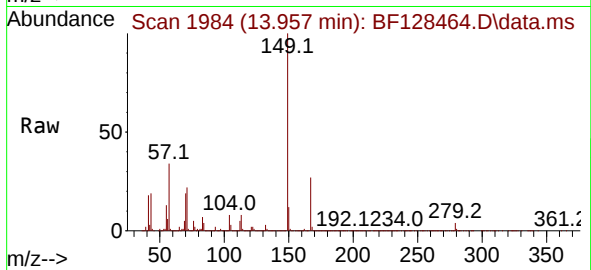




#84
Bis(2-ethylhexyl)phthalate
Concen: 156.445 ng
RT: 13.957 min Scan# 1984
Delta R.T. 0.006 min
Lab File: BF128464.D
Acq: 25 May 2022 17:23

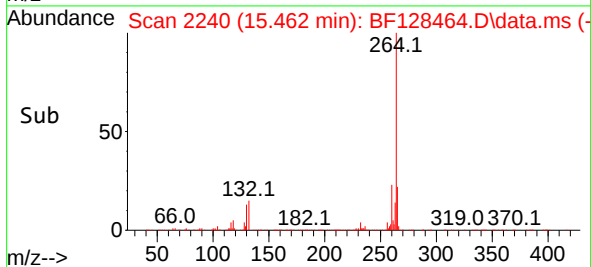
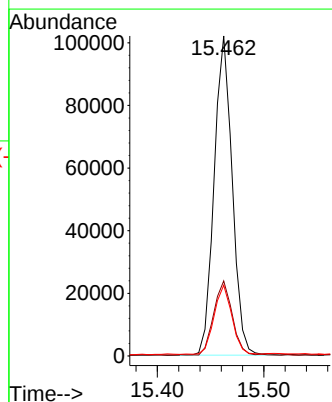
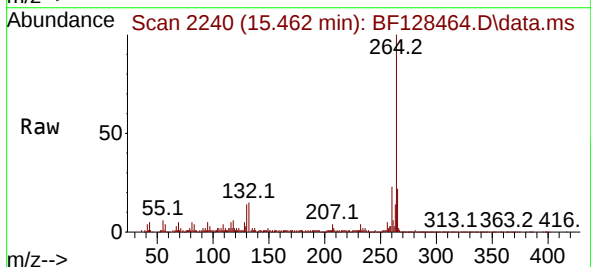
Instrument :
BNA_F
ClientSampleId :
P039-SS001-2430-01

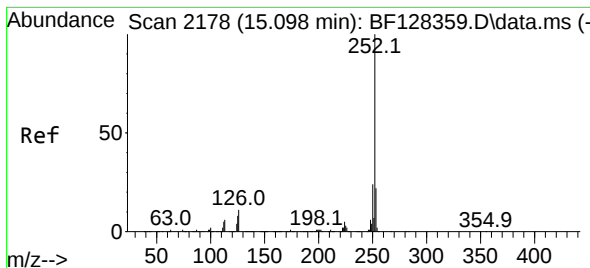
Tgt Ion:149 Resp: 1035082
Ion Ratio Lower Upper
149 100
167 26.5 22.0 33.0
279 4.0 3.4 5.0



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.462 min Scan# 2240
Delta R.T. 0.006 min
Lab File: BF128464.D
Acq: 25 May 2022 17:23

Tgt Ion:264 Resp: 120010
Ion Ratio Lower Upper
264 100
260 23.5 20.1 30.1
265 22.1 17.5 26.3





#88

Benzo(b)fluoranthene

Concen: 5.296 ng

RT: 15.033 min Scan# 2167

Delta R.T. 0.006 min

Lab File: BF128464.D

Acq: 25 May 2022 17:23

Instrument :

BNA_F

ClientSampleId :

P039-SS001-2430-01

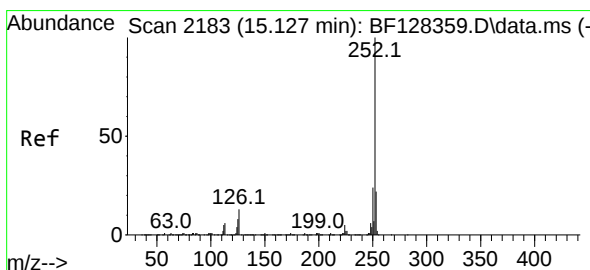
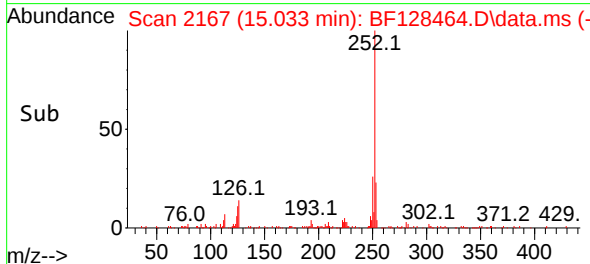
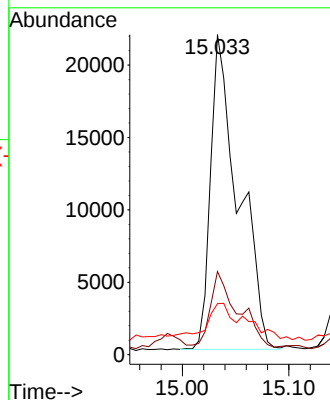
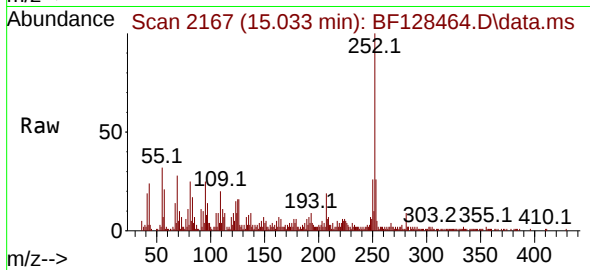
Tgt Ion:252 Resp: 39536

Ion Ratio Lower Upper

252 100

253 26.0 17.4 26.2

125 15.9 7.4 11.2#



#89

Benzo(k)fluoranthene

Concen: 5.654 ng

RT: 15.033 min Scan# 2167

Delta R.T. -0.024 min

Lab File: BF128464.D

Acq: 25 May 2022 17:23

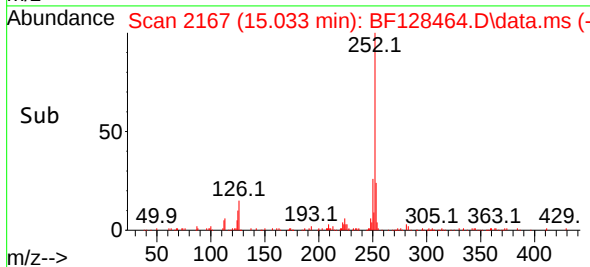
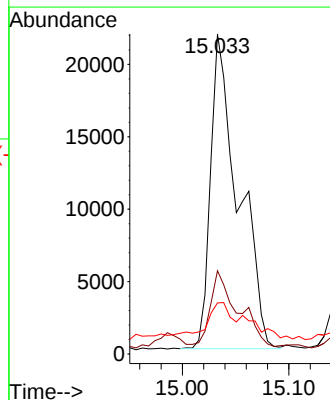
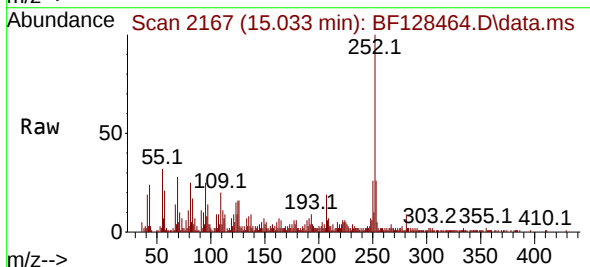
Tgt Ion:252 Resp: 39536

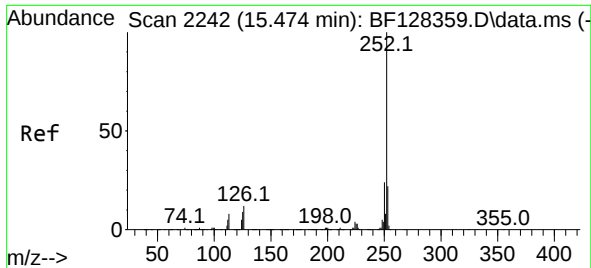
Ion Ratio Lower Upper

252 100

253 26.0 17.0 25.4#

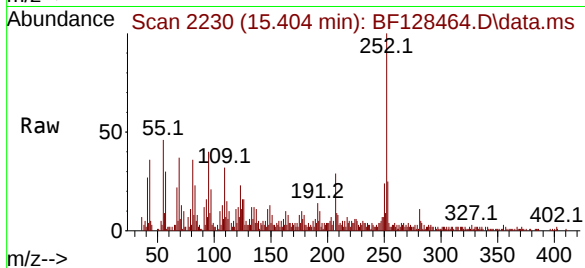
125 15.9 6.8 10.2#





#90
Benzo(a)pyrene
Concen: 2.795 ng
RT: 15.404 min Scan# 21
Delta R.T. 0.006 min
Lab File: BF128464.D
Acq: 25 May 2022 17:23

Instrument :
BNA_F
ClientSampleId :
P039-SS001-2430-01



Tgt Ion:252 Resp: 16751
Ion Ratio Lower Upper
252 100
253 24.7 17.8 26.6
125 16.4 9.2 13.8#

