

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF050123\
 Data File : BF133164.D
 Acq On : 01 May 2023 19:40
 Operator : CG\JU
 Sample : 02558-01
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 P001-SS011-0006-01

Quant Time: May 02 05:21:48 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF042123.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon May 01 15:02:31 2023
 Response via : Initial Calibration

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

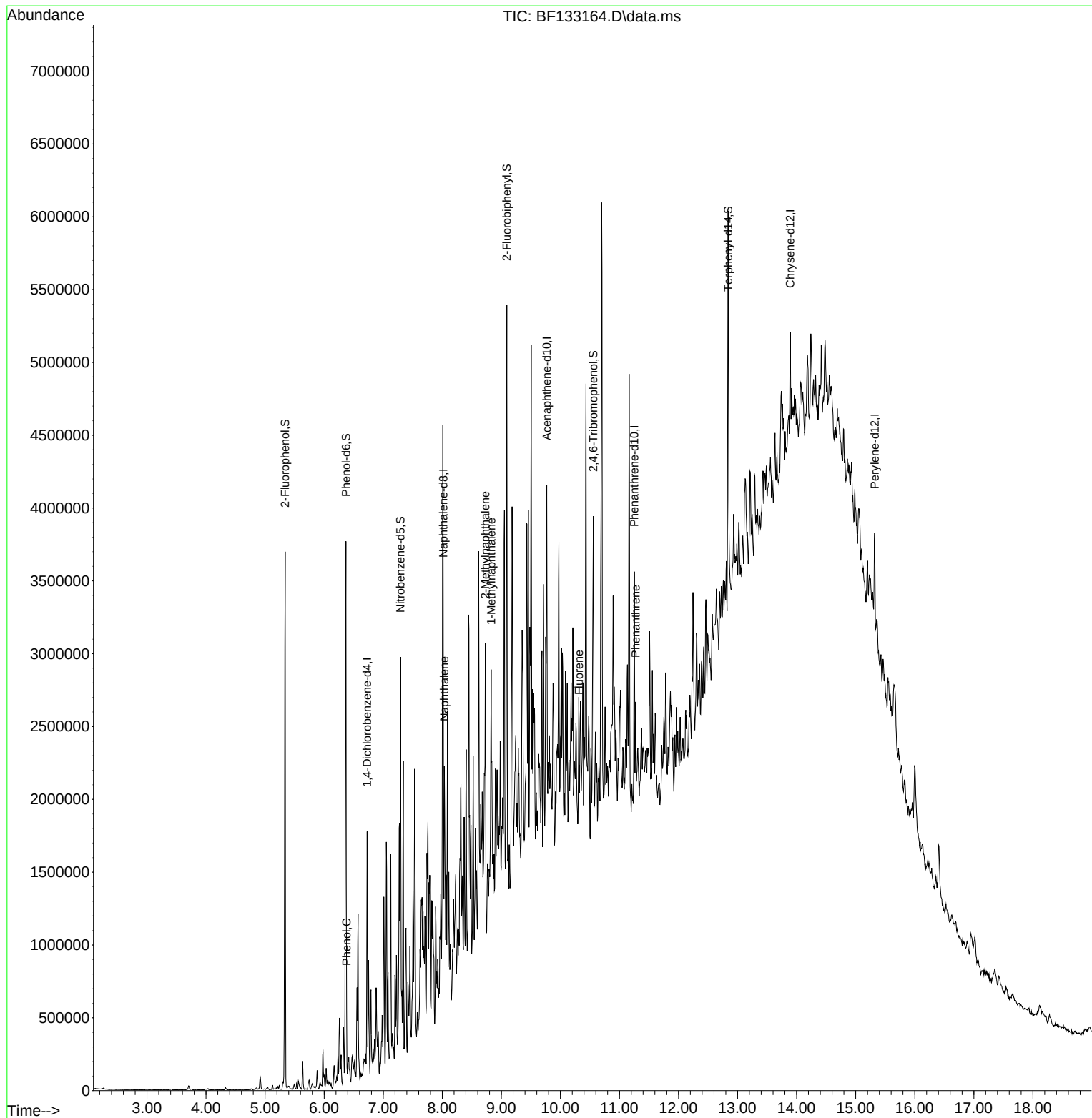
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.728	152	193104	20.000	ng	0.00
21) Naphthalene-d8	8.016	136	726312	20.000	ng	0.00
39) Acenaphthene-d10	9.769	164	372035	20.000	ng	0.00
64) Phenanthrene-d10	11.251	188	613877	20.000	ng	0.00
76) Chrysene-d12	13.892	240	316645	20.000	ng	0.00
86) Perylene-d12	15.321	264	387365	20.000	ng	0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.340	112	1028607	80.466	ng	0.00
7) Phenol-d6	6.369	99	1244305	78.423	ng	0.00
23) Nitrobenzene-d5	7.293	82	731469	54.360	ng	-0.01
42) 2,4,6-Tribromophenol	10.557	330	271377	72.531	ng	0.00
45) 2-Fluorobiphenyl	9.092	172	1185859	53.327	ng	0.00
79) Terphenyl-d14	12.839	244	911818	49.664	ng	0.00
Target Compounds						
						Qvalue
10) Phenol	6.381	94	99630	5.692	ng	95
31) Naphthalene	8.034	128	306586	8.443	ng	# 96
37) 2-Methylnaphthalene	8.728	142	503368	20.275	ng	99
38) 1-Methylnaphthalene	8.828	142	333262	14.349	ng	97
58) Fluorene	10.316	166	75588	3.273	ng	# 88
71) Phenanthrene	11.275	178	193835	5.875	ng	# 92

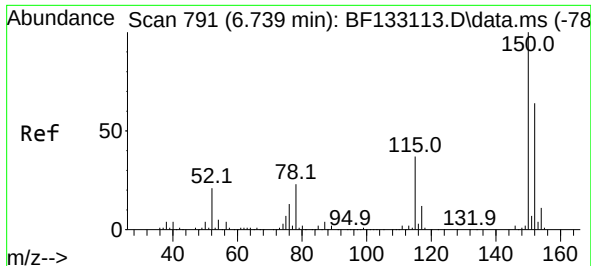
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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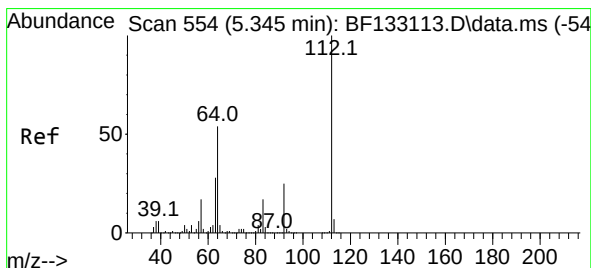
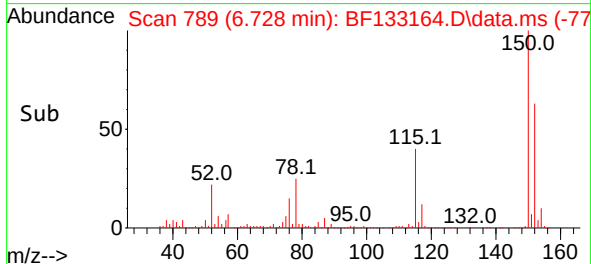
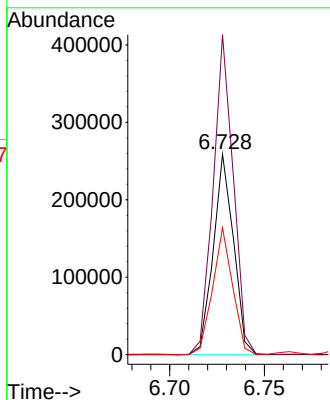
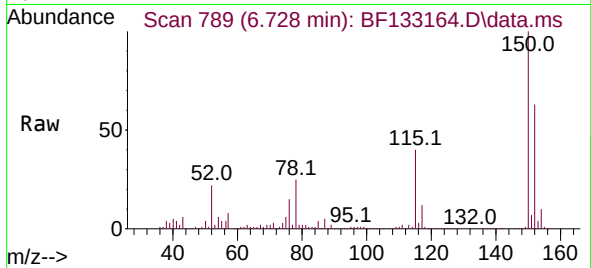




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.728 min Scan# 791
Delta R.T. -0.005 min
Lab File: BF133164.D
Acq: 01 May 2023 19:40

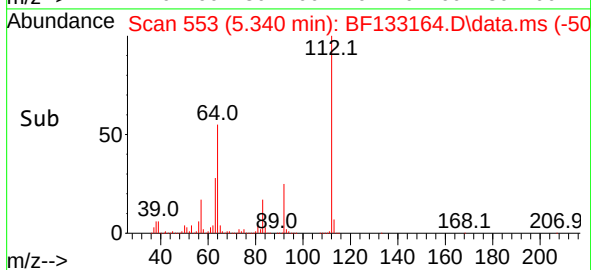
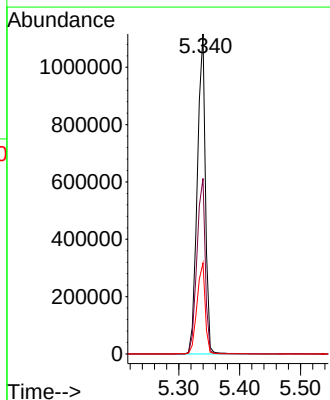
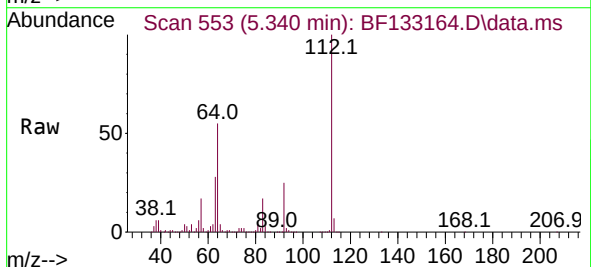
Instrument :
BNA_F
ClientSampleId :
P001-SS011-0006-01

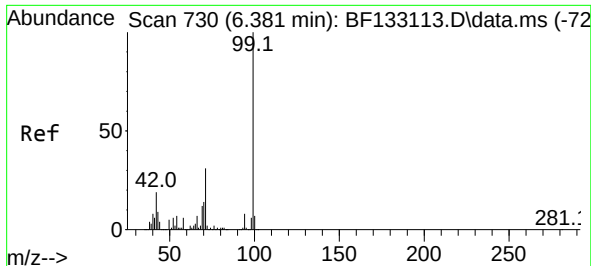
Tgt Ion:152 Resp: 193104
Ion Ratio Lower Upper
152 100
150 159.5 124.8 187.2
115 63.2 49.9 74.9



#5
2-Fluorophenol
Concen: 80.466 ng
RT: 5.340 min Scan# 553
Delta R.T. 0.000 min
Lab File: BF133164.D
Acq: 01 May 2023 19:40

Tgt Ion:112 Resp: 1028607
Ion Ratio Lower Upper
112 100
64 54.9 46.8 70.2
63 28.4 23.8 35.8





#7

Phenol-d6

Concen: 78.423 ng

RT: 6.369 min Scan# 71

Delta R.T. -0.006 min

Lab File: BF133164.D

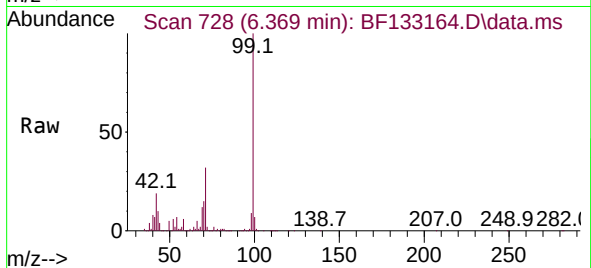
Acq: 01 May 2023 19:40

Instrument :

BNA_F

ClientSampleId :

P001-SS011-0006-01



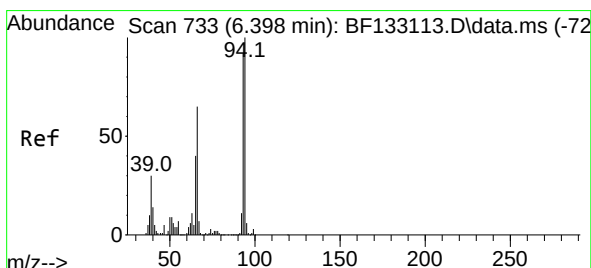
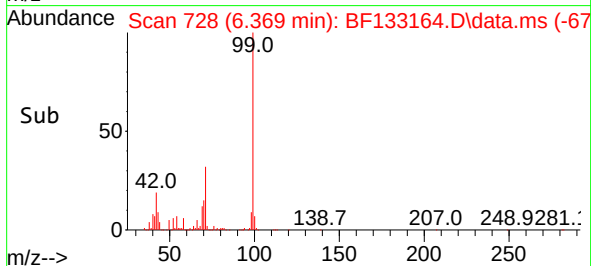
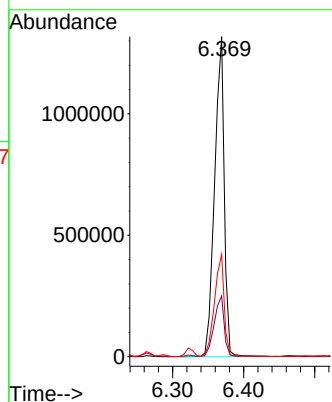
Tgt Ion: 99 Resp: 1244305

Ion Ratio Lower Upper

99 100

42 18.9 16.3 24.5

71 31.9 25.6 38.4



#10

Phenol

Concen: 5.692 ng

RT: 6.381 min Scan# 730

Delta R.T. -0.006 min

Lab File: BF133164.D

Acq: 01 May 2023 19:40

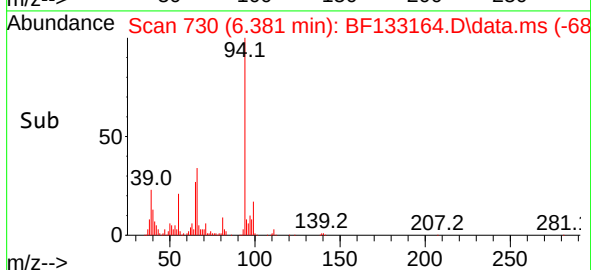
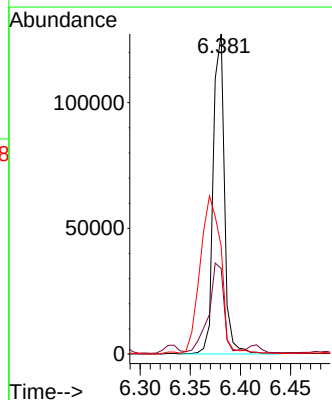
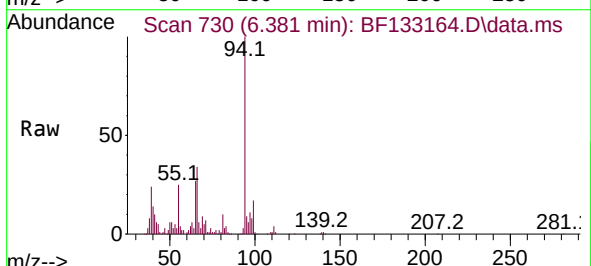
Tgt Ion: 94 Resp: 99630

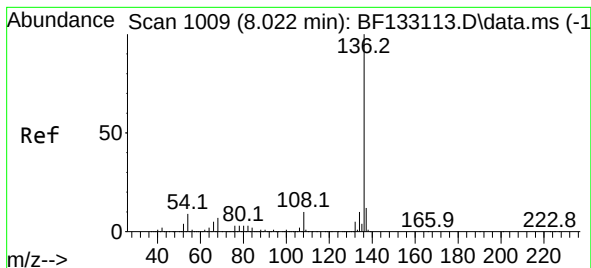
Ion Ratio Lower Upper

94 100

65 26.7 8.6 48.6

66 33.8 17.3 57.3





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.016 min Scan# 1009

Delta R.T. 0.000 min

Lab File: BF133164.D

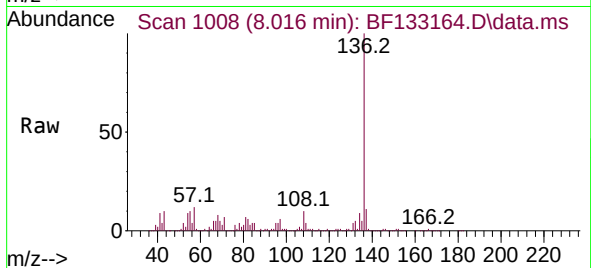
Acq: 01 May 2023 19:40

Instrument :

BNA_F

ClientSampleId :

P001-SS011-0006-01



Tgt Ion:136 Resp: 726312

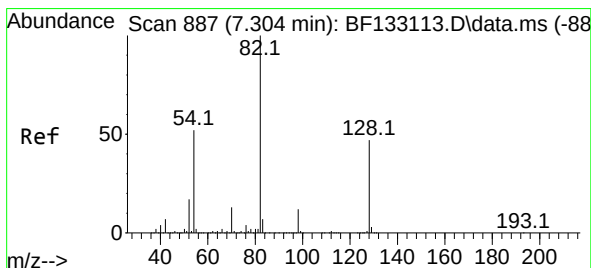
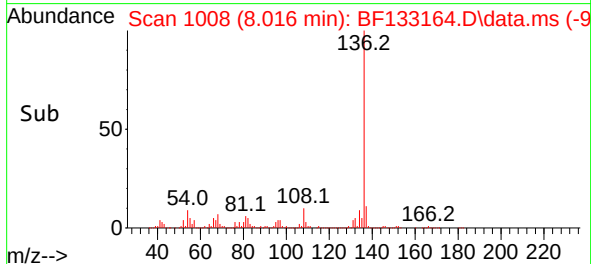
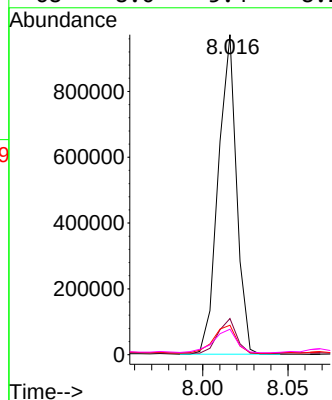
Ion Ratio Lower Upper

136 100

137 11.3 8.6 13.0

54 9.2 7.0 10.4

68 8.0 5.4 8.2



#23

Nitrobenzene-d5

Concen: 54.360 ng

RT: 7.293 min Scan# 885

Delta R.T. -0.012 min

Lab File: BF133164.D

Acq: 01 May 2023 19:40

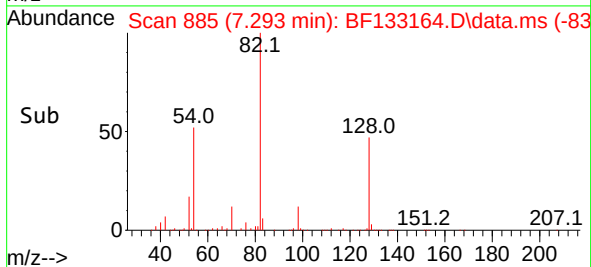
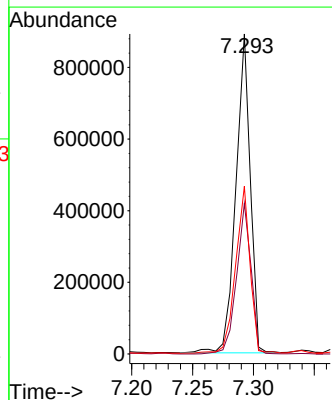
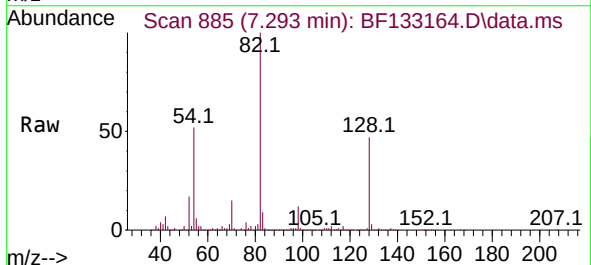
Tgt Ion: 82 Resp: 731469

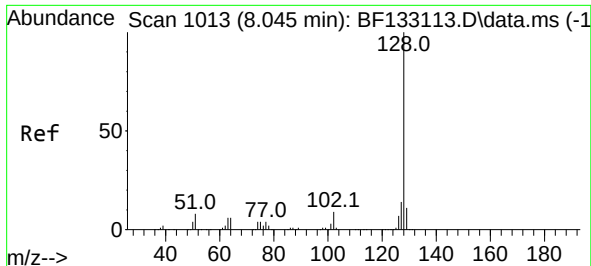
Ion Ratio Lower Upper

82 100

128 47.0 37.7 56.5

54 52.4 43.0 64.4

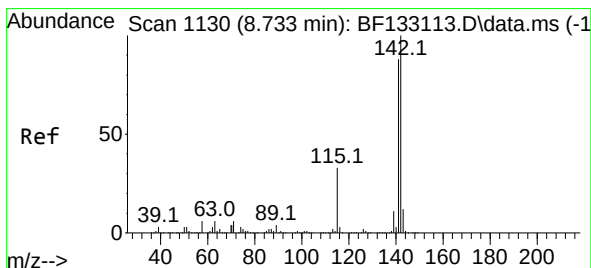
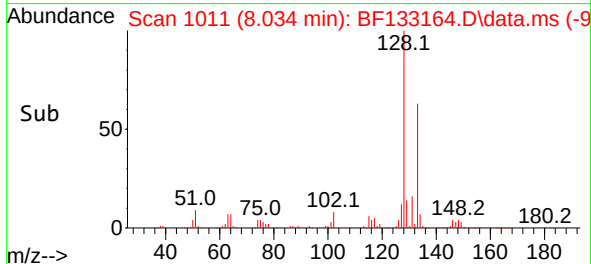
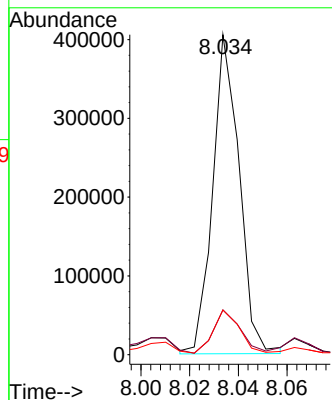
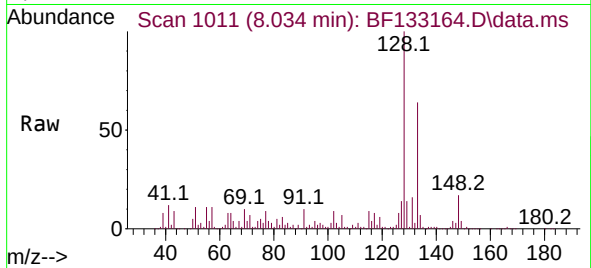




#31
Naphthalene
Concen: 8.443 ng
RT: 8.034 min Scan# 1013
Delta R.T. -0.006 min
Lab File: BF133164.D
Acq: 01 May 2023 19:40

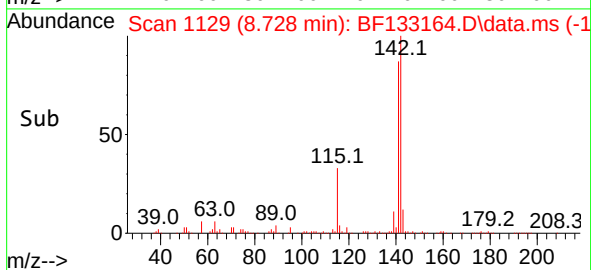
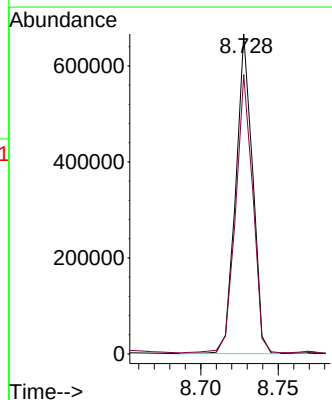
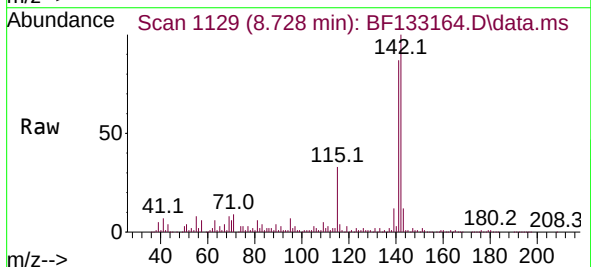
Instrument :
BNA_F
ClientSampleId :
P001-SS011-0006-01

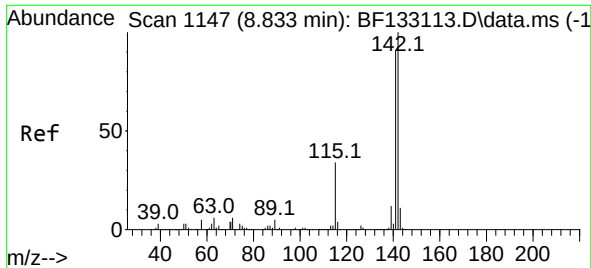
Tgt Ion:128 Resp: 306586
Ion Ratio Lower Upper
128 100
129 14.0 8.8 13.2#
127 14.0 10.7 16.1



#37
2-Methylnaphthalene
Concen: 20.275 ng
RT: 8.728 min Scan# 1129
Delta R.T. -0.006 min
Lab File: BF133164.D
Acq: 01 May 2023 19:40

Tgt Ion:142 Resp: 503368
Ion Ratio Lower Upper
142 100
141 87.3 69.4 104.0

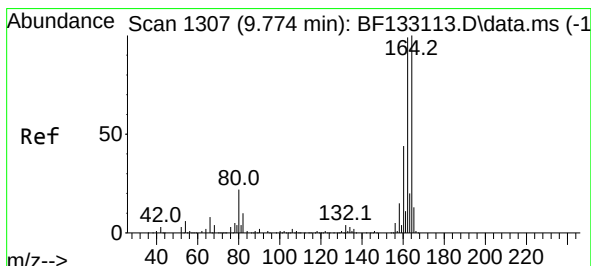
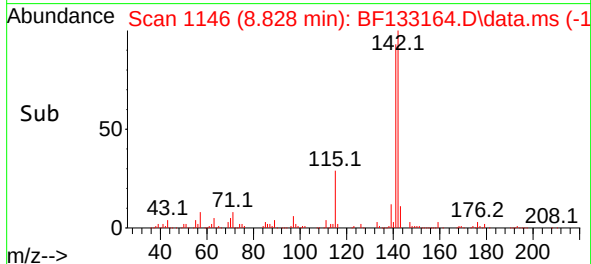
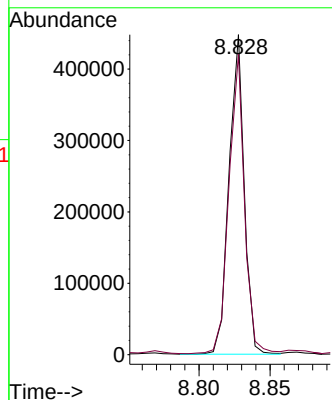
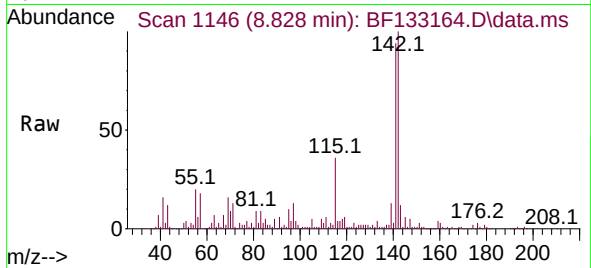




#38
1-Methylnaphthalene
Concen: 14.349 ng
RT: 8.828 min Scan# 1146
Delta R.T. 0.000 min
Lab File: BF133164.D
Acq: 01 May 2023 19:40

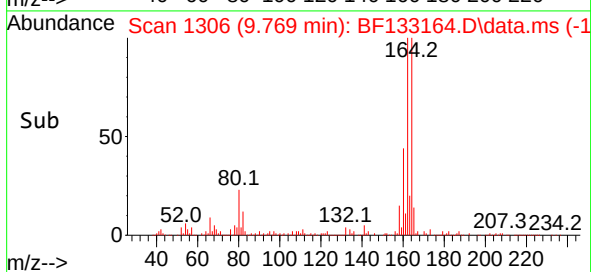
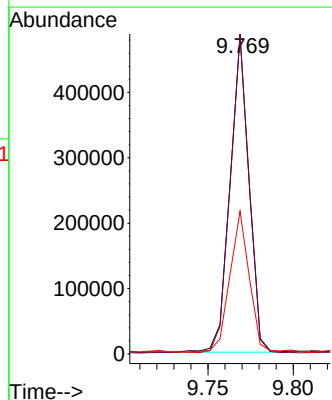
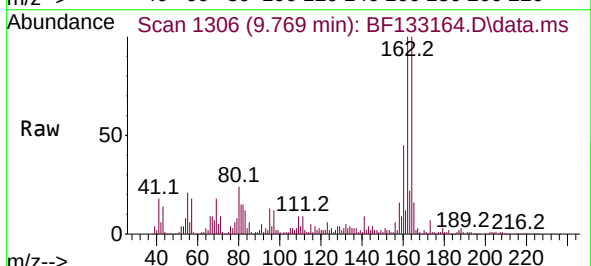
Instrument :
BNA_F
ClientSampleId :
P001-SS011-0006-01

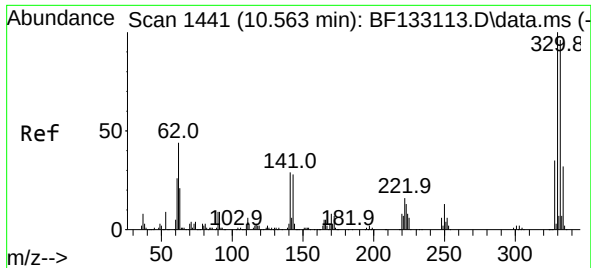
Tgt Ion:142 Resp: 333262
Ion Ratio Lower Upper
142 100
141 94.0 73.1 109.7



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.769 min Scan# 1306
Delta R.T. 0.000 min
Lab File: BF133164.D
Acq: 01 May 2023 19:40

Tgt Ion:164 Resp: 372035
Ion Ratio Lower Upper
164 100
162 100.4 78.7 118.1
160 44.8 35.8 53.6

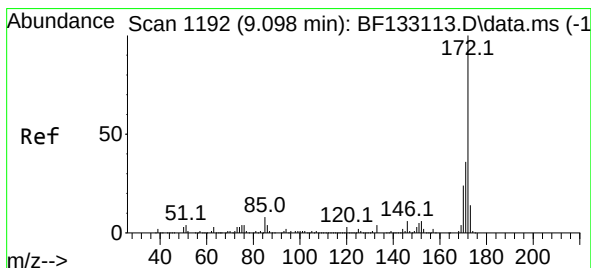
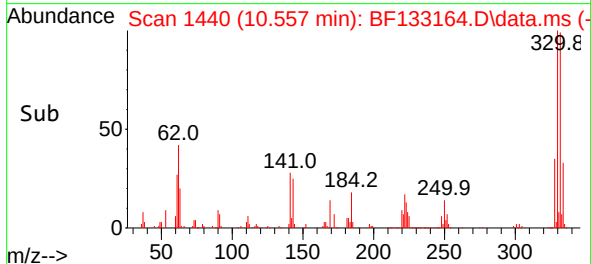
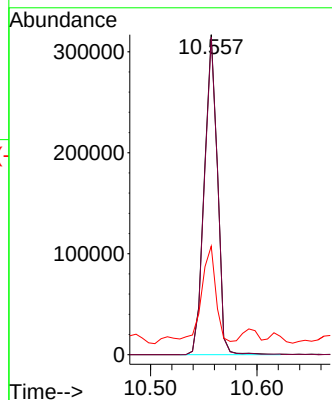
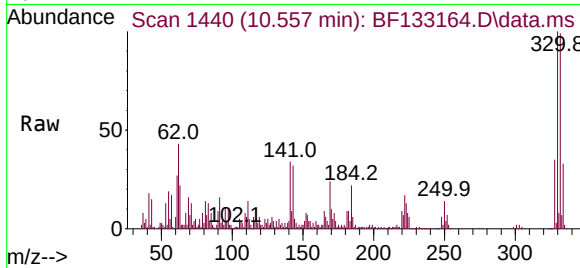




#42
2,4,6-Tribromophenol
Concen: 72.531 ng
RT: 10.557 min Scan# 1441
Delta R.T. -0.006 min
Lab File: BF133164.D
Acq: 01 May 2023 19:40

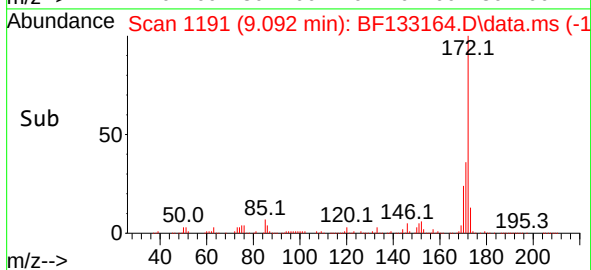
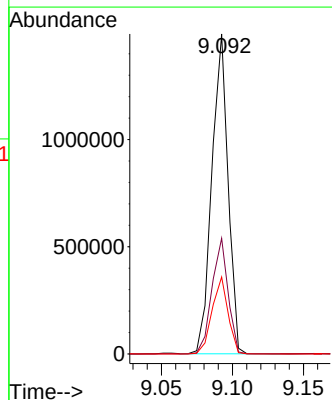
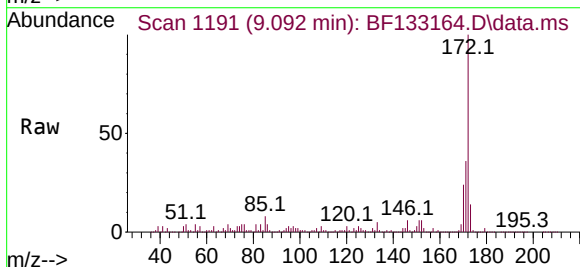
Instrument :
BNA_F
ClientSampleId :
P001-SS011-0006-01

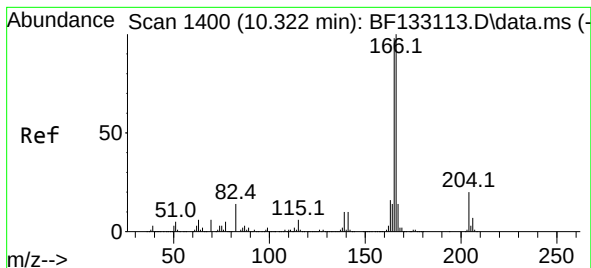
Tgt Ion:330 Resp: 271377
Ion Ratio Lower Upper
330 100
332 98.9 77.1 115.7
141 31.4 25.8 38.8



#45
2-Fluorobiphenyl
Concen: 53.327 ng
RT: 9.092 min Scan# 1191
Delta R.T. -0.006 min
Lab File: BF133164.D
Acq: 01 May 2023 19:40

Tgt Ion:172 Resp: 1185859
Ion Ratio Lower Upper
172 100
171 36.1 28.8 43.2
170 24.1 19.4 29.2





#58

Fluorene

Concen: 3.273 ng

RT: 10.316 min Scan# 11

Delta R.T. -0.006 min

Lab File: BF133164.D

Acq: 01 May 2023 19:40

Instrument :

BNA_F

ClientSampleId :

P001-SS011-0006-01

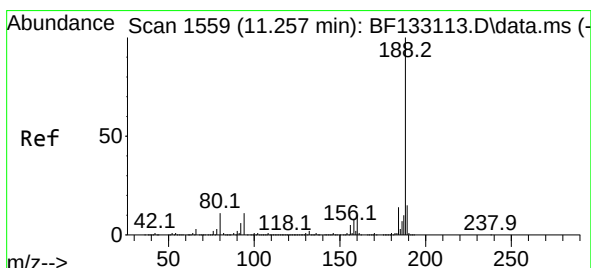
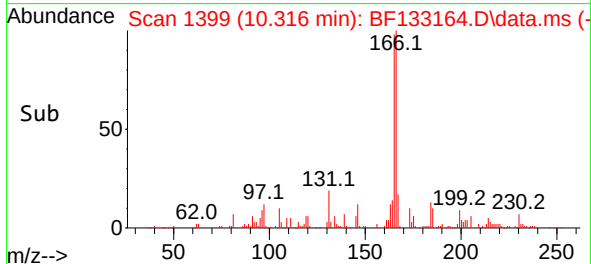
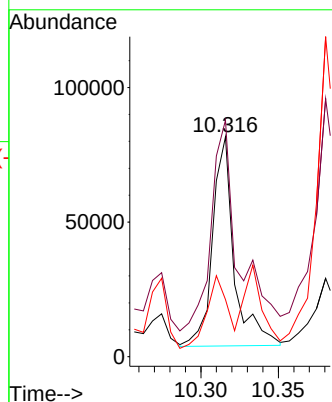
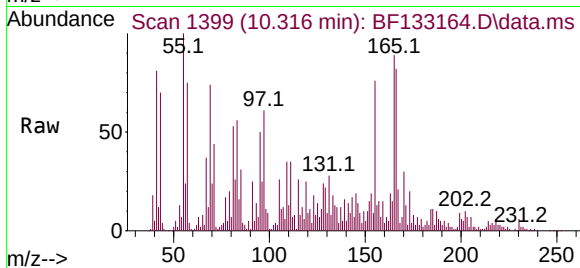
Tgt Ion:166 Resp: 75588

Ion Ratio Lower Upper

166 100

165 107.5 78.6 117.8

167 25.9 11.0 16.4#



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.251 min Scan# 1558

Delta R.T. 0.000 min

Lab File: BF133164.D

Acq: 01 May 2023 19:40

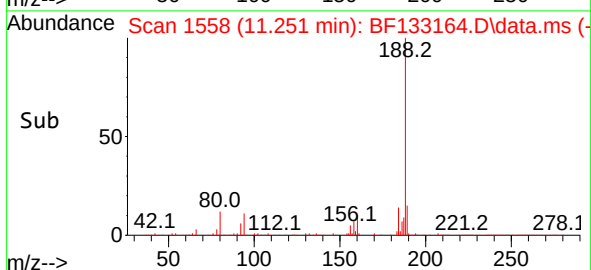
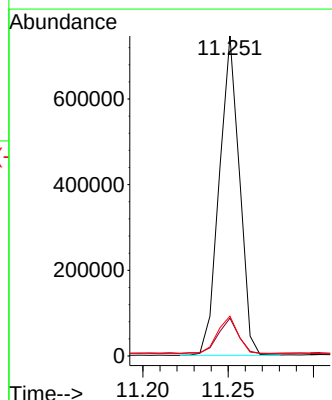
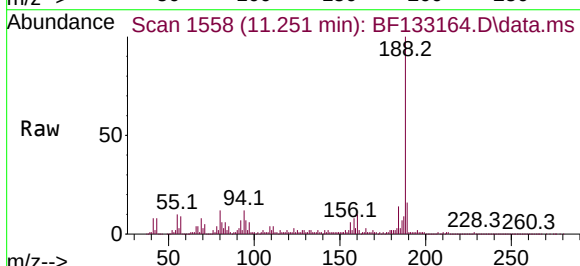
Tgt Ion:188 Resp: 613877

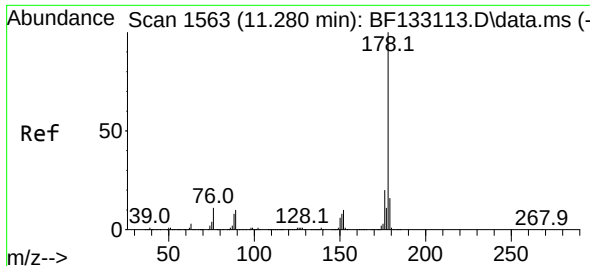
Ion Ratio Lower Upper

188 100

94 11.8 9.7 14.5

80 12.5 10.4 15.6

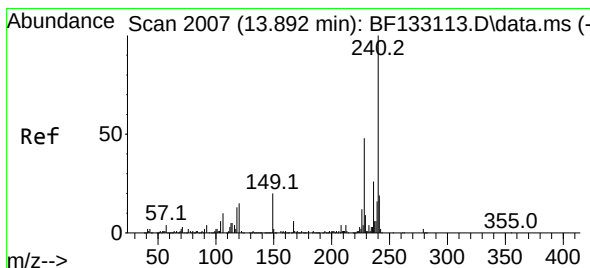
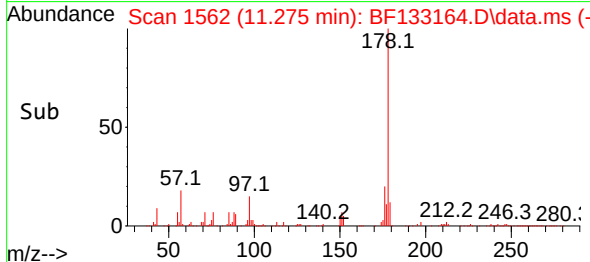
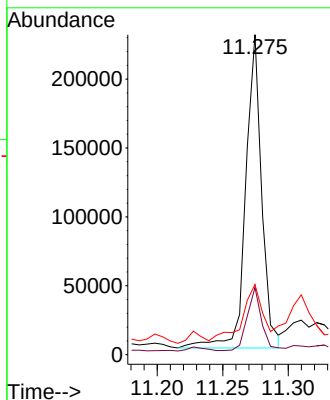
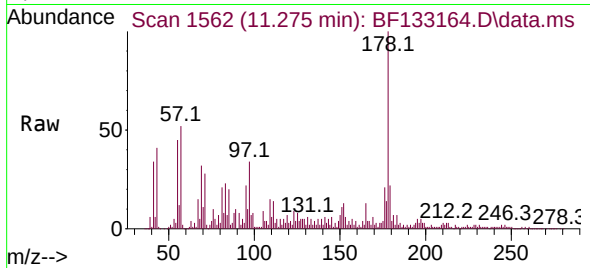




#71
Phenanthrene
Concen: 5.875 ng
RT: 11.275 min Scan# 1563
Delta R.T. -0.006 min
Lab File: BF133164.D
Acq: 01 May 2023 19:40

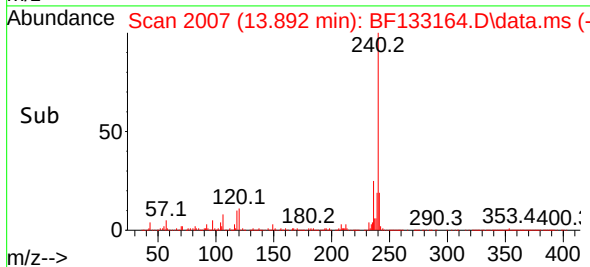
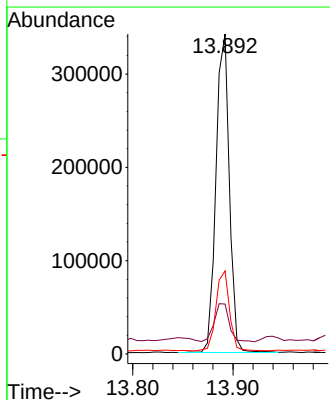
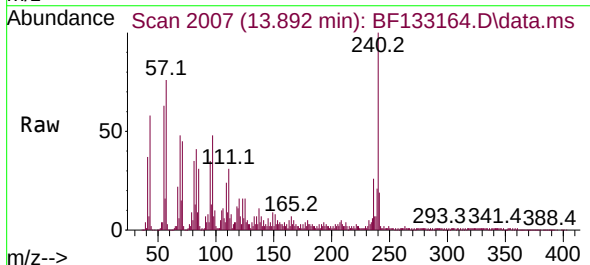
Instrument :
BNA_F
ClientSampleId :
P001-SS011-0006-01

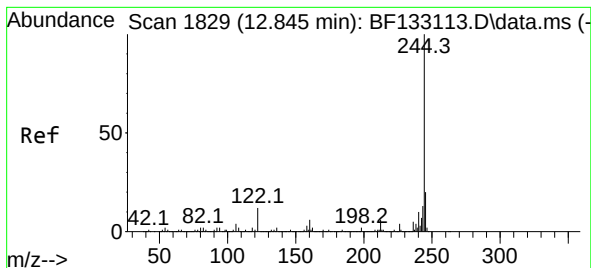
Tgt Ion:178 Resp: 193835
Ion Ratio Lower Upper
178 100
176 21.0 15.9 23.9
179 22.0 12.5 18.7#



#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.892 min Scan# 2007
Delta R.T. 0.000 min
Lab File: BF133164.D
Acq: 01 May 2023 19:40

Tgt Ion:240 Resp: 316645
Ion Ratio Lower Upper
240 100
120 15.6 10.5 15.7
236 25.9 21.5 32.3





#79

Terphenyl-d14

Concen: 49.664 ng

RT: 12.839 min Scan# 1

Delta R.T. 0.000 min

Lab File: BF133164.D

Acq: 01 May 2023 19:40

Instrument :

BNA_F

ClientSampleId :

P001-SS011-0006-01

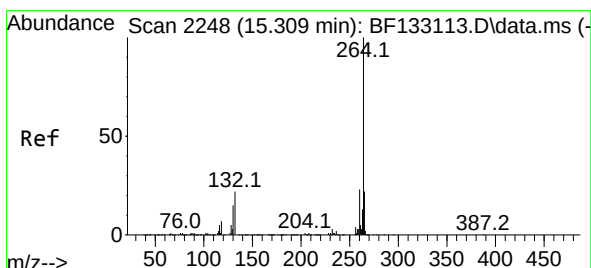
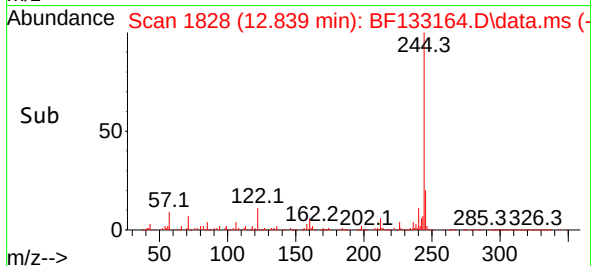
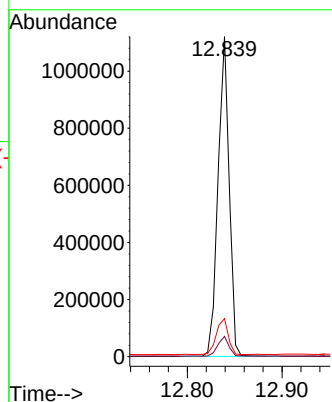
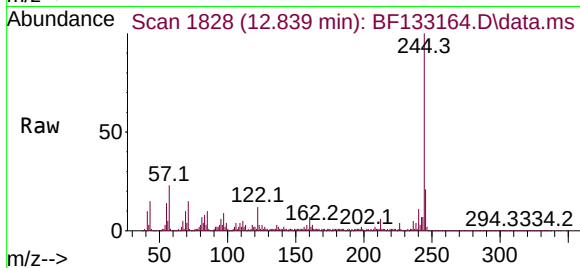
Tgt Ion:244 Resp: 911818

Ion Ratio Lower Upper

244 100

212 6.4 5.1 7.7

122 11.9 8.6 13.0



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.321 min Scan# 2250

Delta R.T. 0.018 min

Lab File: BF133164.D

Acq: 01 May 2023 19:40

Tgt Ion:264 Resp: 387365

Ion Ratio Lower Upper

264 100

260 23.1 18.8 28.2

265 21.7 17.0 25.4

