

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF050123\
 Data File : BF133167.D
 Acq On : 01 May 2023 21:13
 Operator : CG\JU
 Sample : 02558-05
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 P001-SS012-0006-01

Quant Time: May 02 05:23:23 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)

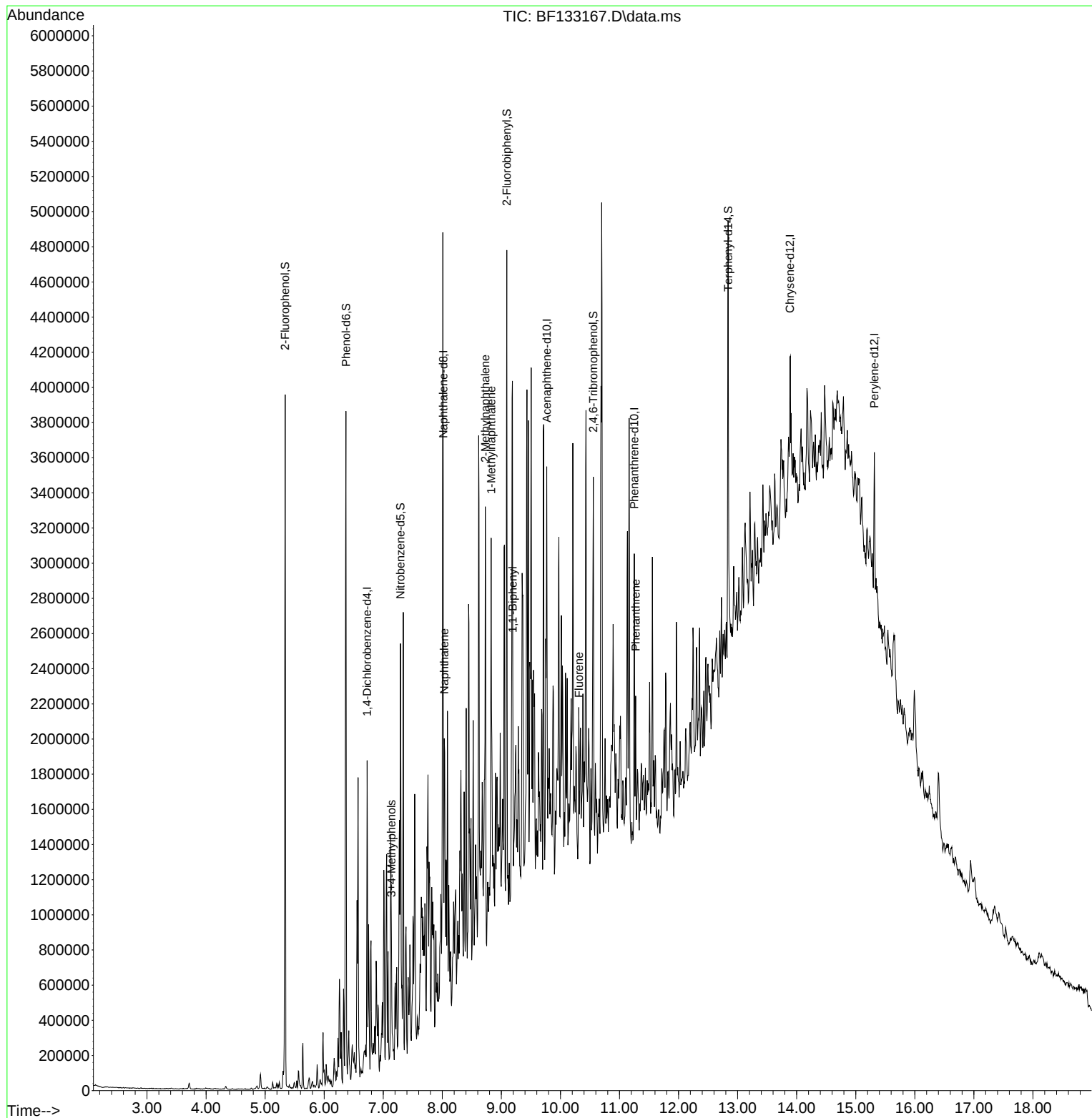
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.728	152	212779	20.000	ng	0.00
21) Naphthalene-d8	8.016	136	698927	20.000	ng	0.00
39) Acenaphthene-d10	9.769	164	365704	20.000	ng	0.00
64) Phenanthrene-d10	11.251	188	605822	20.000	ng	0.00
76) Chrysene-d12	13.886	240	307015	20.000	ng	# 0.00
86) Perylene-d12	15.315	264	419020	20.000	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.340	112	1090093	77.390	ng	0.00
7) Phenol-d6	6.369	99	1331358	76.151	ng	0.00
23) Nitrobenzene-d5	7.292	82	655502	50.623	ng	-0.01
42) 2,4,6-Tribromophenol	10.557	330	266703	72.516	ng	0.00
45) 2-Fluorobiphenyl	9.092	172	1047383	47.915	ng	0.00
79) Terphenyl-d14	12.839	244	778543	43.735	ng	0.00
Target Compounds						
						Qvalue
20) 3+4-Methylphenols	7.139	107	134879	8.746	ng	# 55
31) Naphthalene	8.034	128	358994	10.273	ng	# 97
37) 2-Methylnaphthalene	8.728	142	699944	29.298	ng	99
38) 1-Methylnaphthalene	8.828	142	484340	21.672	ng	100
46) 1,1'-Biphenyl	9.192	154	82136	2.832	ng	97
58) Fluorene	10.316	166	86229	3.799	ng	# 88
71) Phenanthrene	11.274	178	229665	7.053	ng	96

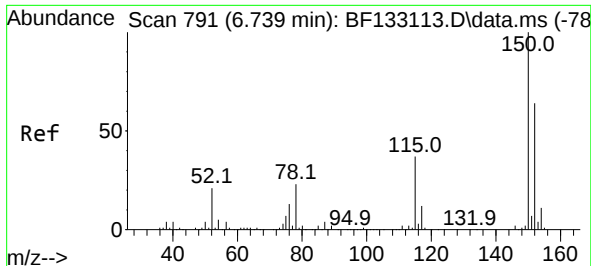
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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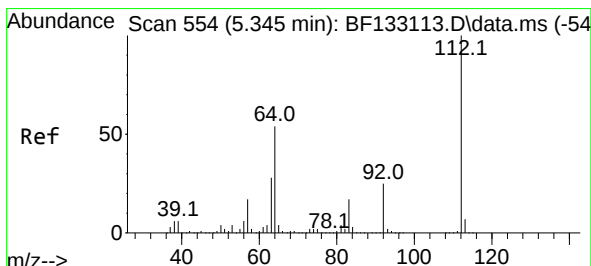
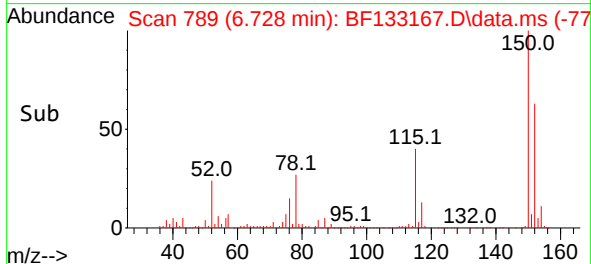
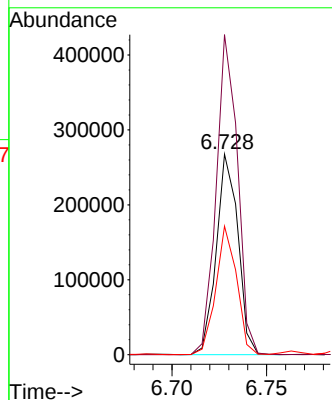
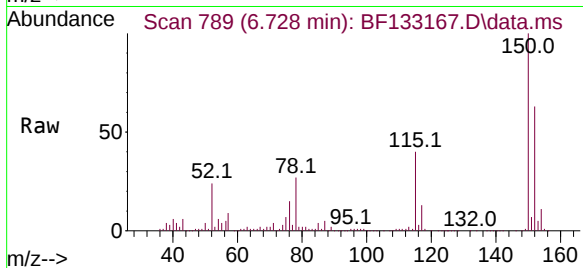




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.728 min Scan# 71
Delta R.T. -0.005 min
Lab File: BF133167.D
Acq: 01 May 2023 21:13

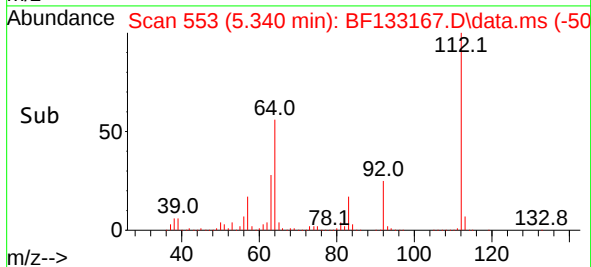
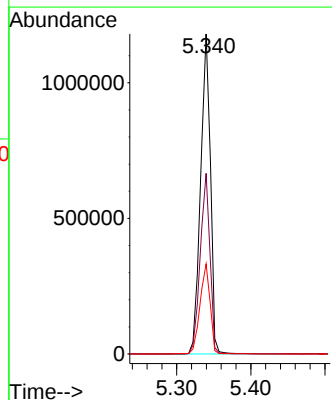
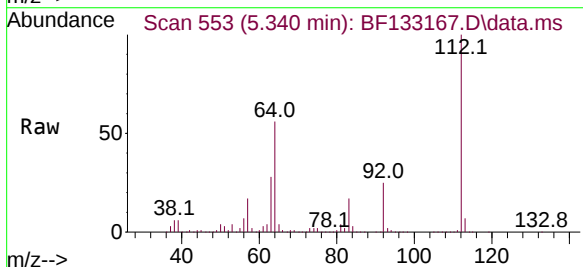
Instrument :
BNA_F
ClientSampleId :
P001-SS012-0006-01

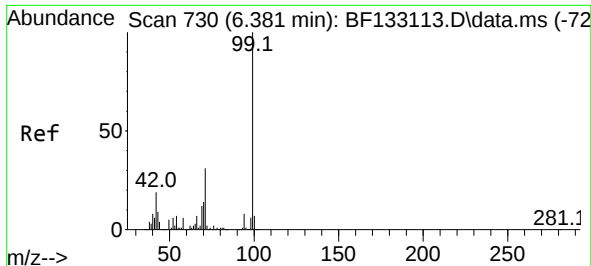
Tgt Ion:152 Resp: 212779
Ion Ratio Lower Upper
152 100
150 159.6 124.8 187.2
115 64.0 49.9 74.9



#5
2-Fluorophenol
Concen: 77.390 ng
RT: 5.340 min Scan# 553
Delta R.T. 0.000 min
Lab File: BF133167.D
Acq: 01 May 2023 21:13

Tgt Ion:112 Resp: 1090093
Ion Ratio Lower Upper
112 100
64 56.4 46.8 70.2
63 28.1 23.8 35.8

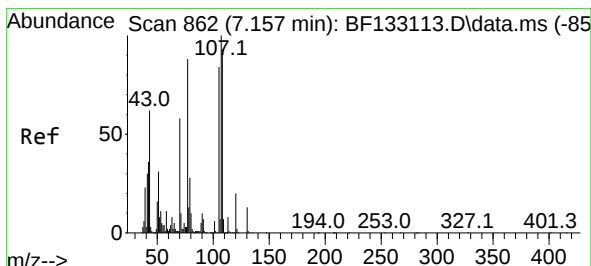
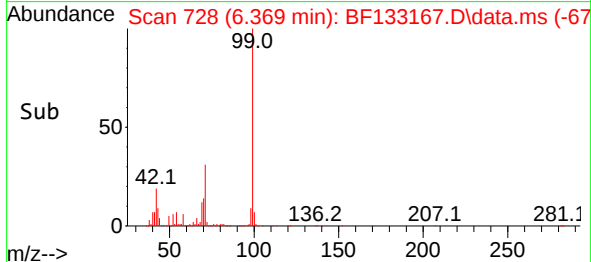
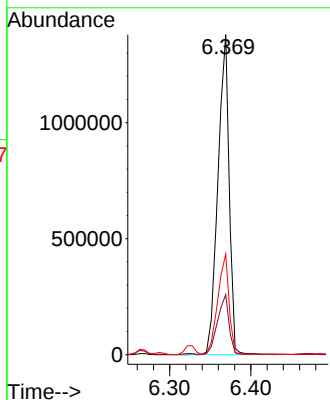
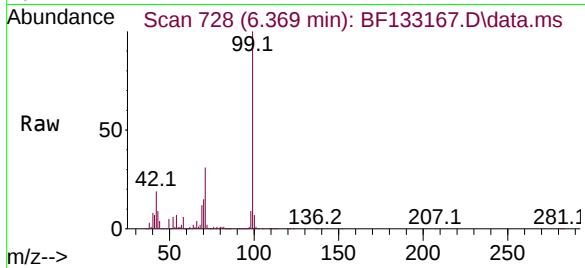




#7
Phenol-d6
Concen: 76.151 ng
RT: 6.369 min Scan# 71
Delta R.T. -0.006 min
Lab File: BF133167.D
Acq: 01 May 2023 21:13

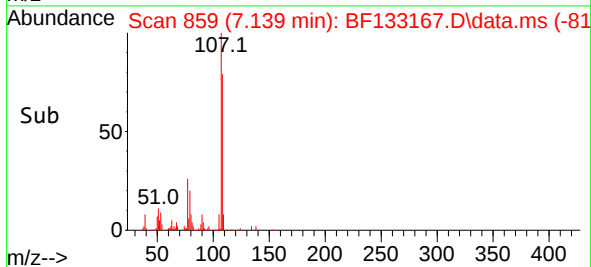
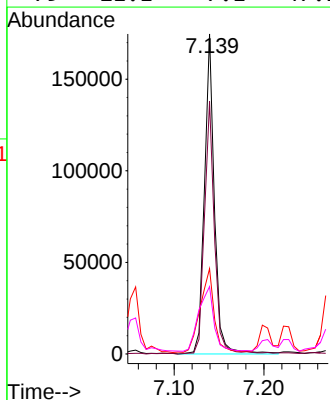
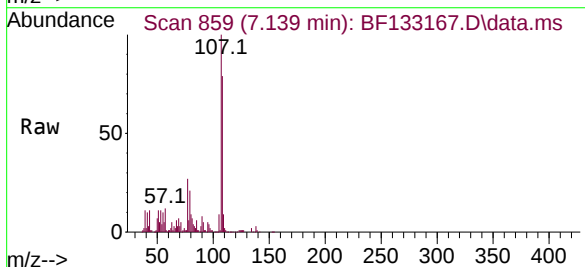
Instrument :
BNA_F
ClientSampleId :
P001-SS012-0006-01

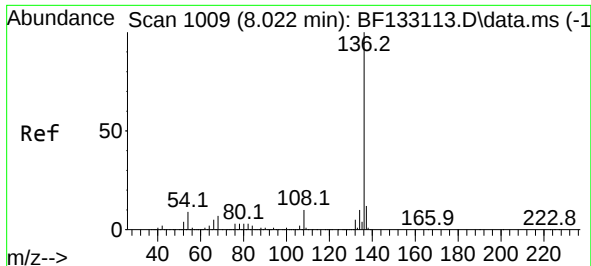
Tgt Ion: 99 Resp: 1331358
Ion Ratio Lower Upper
99 100
42 18.8 16.3 24.5
71 31.5 25.6 38.4



#20
3+4-Methylphenols
Concen: 8.746 ng
RT: 7.139 min Scan# 859
Delta R.T. -0.012 min
Lab File: BF133167.D
Acq: 01 May 2023 21:13

Tgt Ion:107 Resp: 134879
Ion Ratio Lower Upper
107 100
108 78.9 70.5 110.5
77 26.6 91.7 131.7#
79 21.1 7.1 47.1

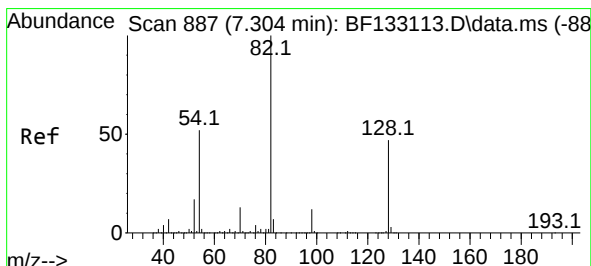
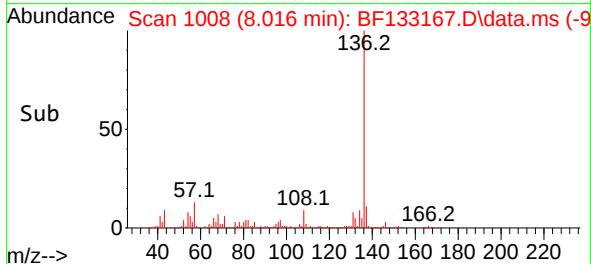
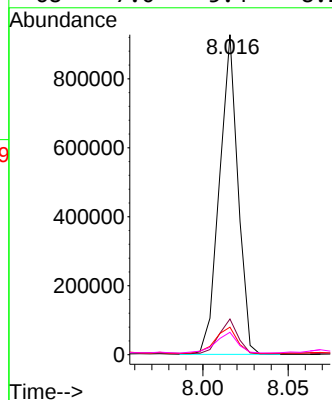
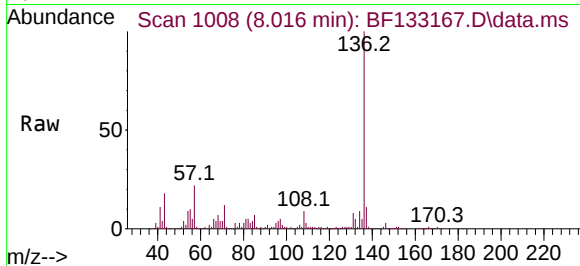




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.016 min Scan# 1008
Delta R.T. 0.000 min
Lab File: BF133167.D
Acq: 01 May 2023 21:13

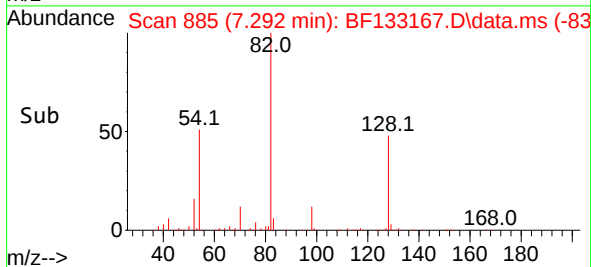
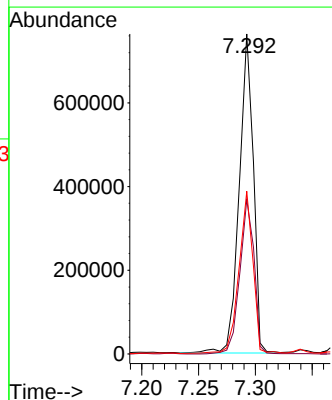
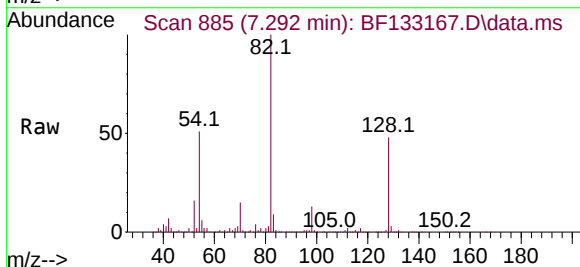
Instrument :
BNA_F
ClientSampleId :
P001-SS012-0006-01

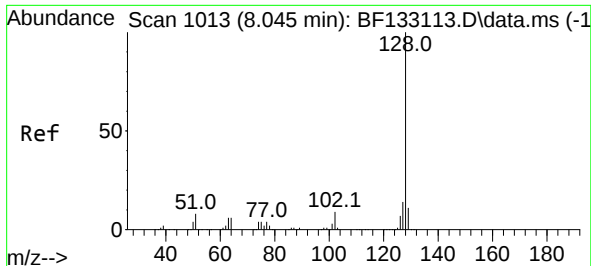
Tgt Ion:	136	Resp:	698927
Ion	Ratio	Lower	Upper
136	100		
137	11.2	8.6	13.0
54	8.6	7.0	10.4
68	7.0	5.4	8.2



#23
Nitrobenzene-d5
Concen: 50.623 ng
RT: 7.292 min Scan# 885
Delta R.T. -0.012 min
Lab File: BF133167.D
Acq: 01 May 2023 21:13

Tgt Ion:	82	Resp:	655502
Ion	Ratio	Lower	Upper
82	100		
128	48.2	37.7	56.5
54	50.8	43.0	64.4

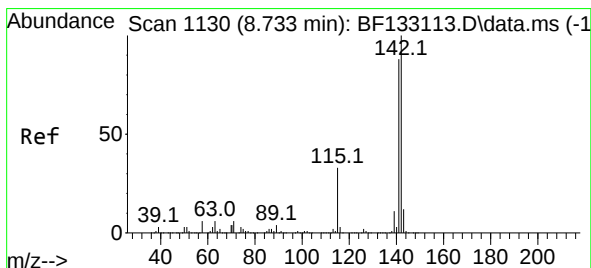
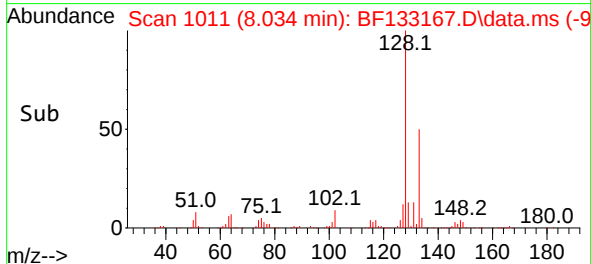
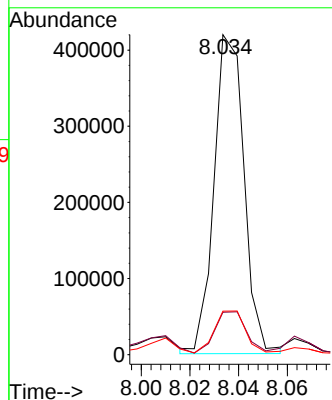
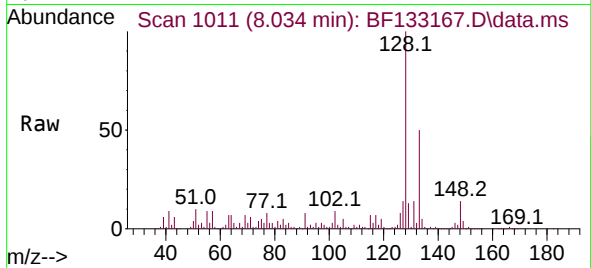




#31
Naphthalene
Concen: 10.273 ng
RT: 8.034 min Scan# 1129
Delta R.T. -0.006 min
Lab File: BF133167.D
Acq: 01 May 2023 21:13

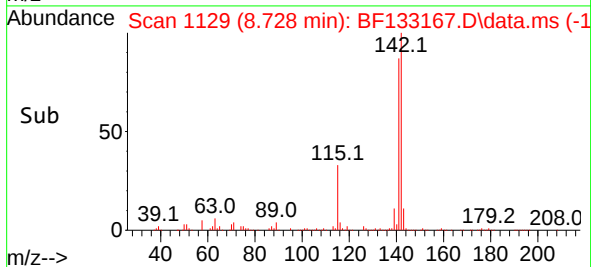
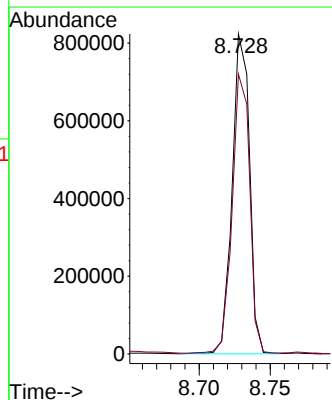
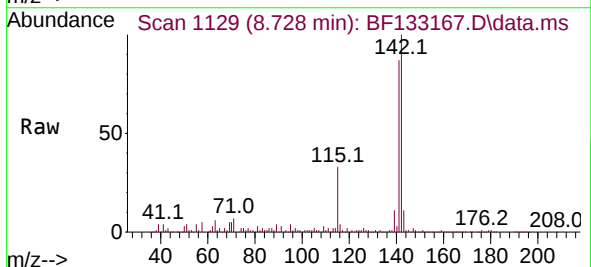
Instrument :
BNA_F
ClientSampleId :
P001-SS012-0006-01

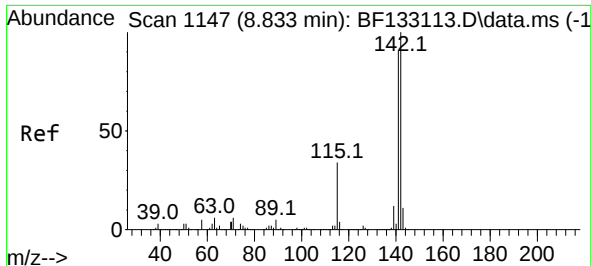
Tgt Ion:128 Resp: 358994
Ion Ratio Lower Upper
128 100
129 13.3 8.8 13.2#
127 13.6 10.7 16.1



#37
2-Methylnaphthalene
Concen: 29.298 ng
RT: 8.728 min Scan# 1129
Delta R.T. -0.006 min
Lab File: BF133167.D
Acq: 01 May 2023 21:13

Tgt Ion:142 Resp: 699944
Ion Ratio Lower Upper
142 100
141 87.5 69.4 104.0





#38

1-Methylnaphthalene

Concen: 21.672 ng

RT: 8.828 min Scan# 1146

Delta R.T. 0.000 min

Lab File: BF133167.D

Acq: 01 May 2023 21:13

Instrument :

BNA_F

ClientSampleId :

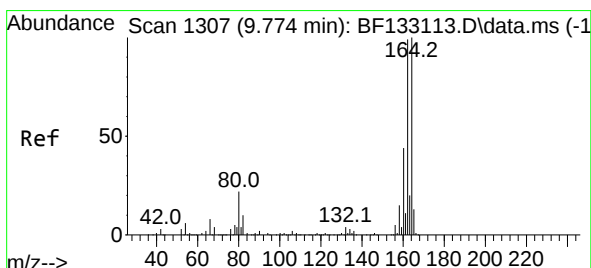
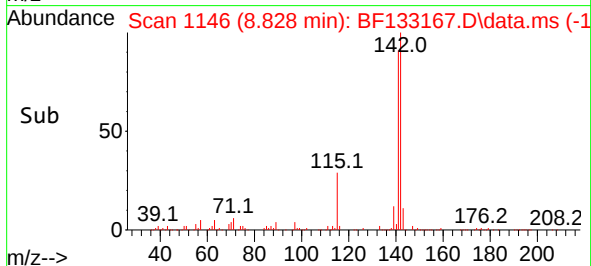
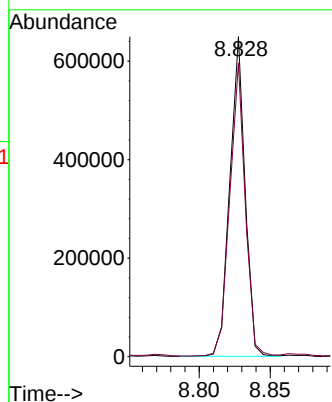
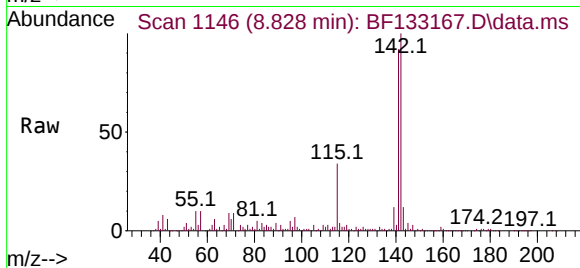
P001-SS012-0006-01

Tgt Ion:142 Resp: 484340

Ion Ratio Lower Upper

142 100

141 91.8 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: BF133167.D

Acq: 01 May 2023 21:13

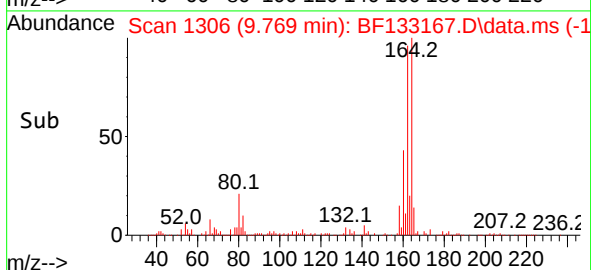
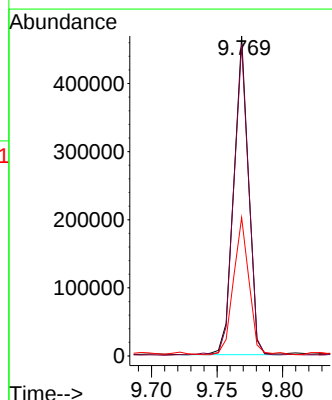
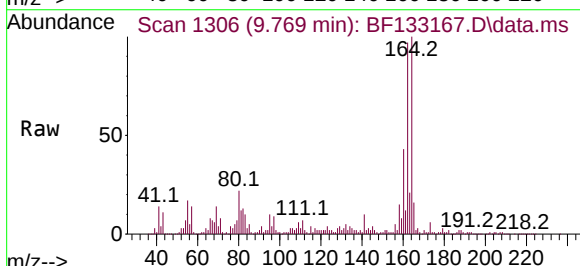
Tgt Ion:164 Resp: 365704

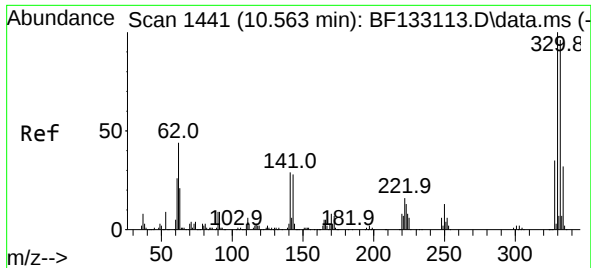
Ion Ratio Lower Upper

164 100

162 97.5 78.7 118.1

160 43.2 35.8 53.6

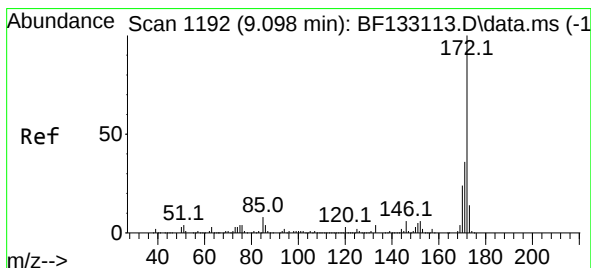
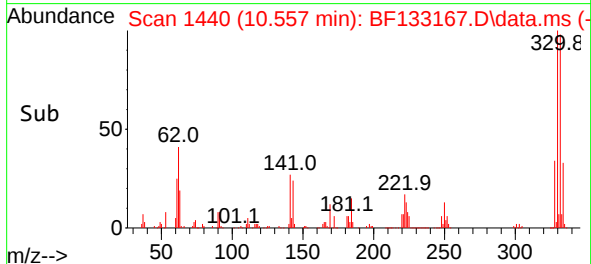
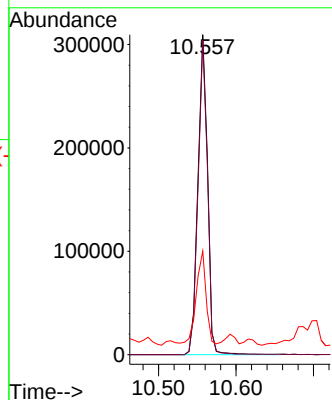
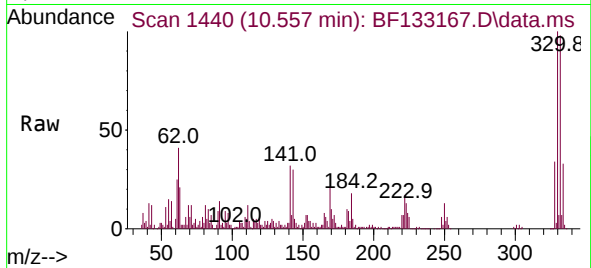




#42
2,4,6-Tribromophenol
Concen: 72.516 ng
RT: 10.557 min Scan# 1441
Delta R.T. -0.006 min
Lab File: BF133167.D
Acq: 01 May 2023 21:13

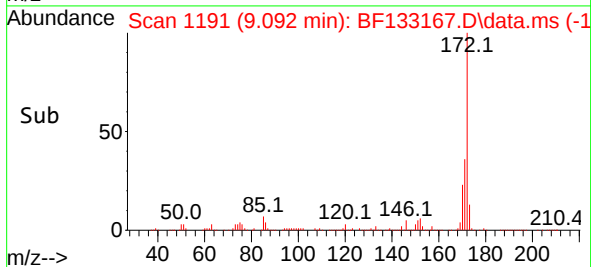
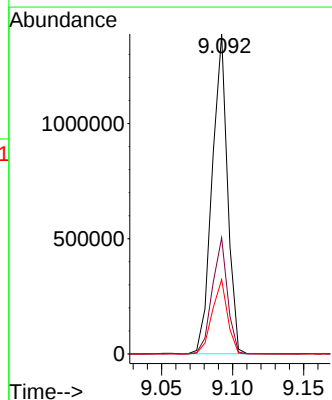
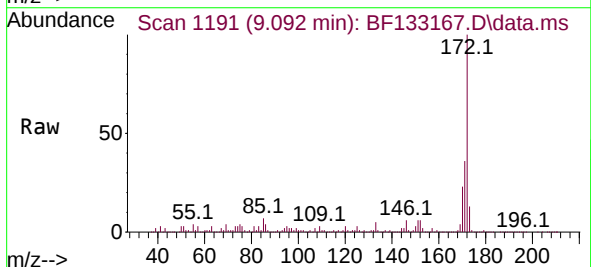
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P001-SS012-0006-01

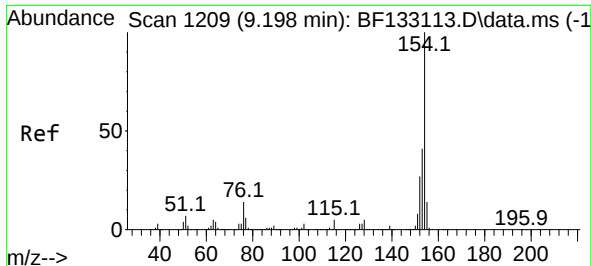
Tgt Ion:330 Resp: 266703
Ion Ratio Lower Upper
330 100
332 96.8 77.1 115.7
141 29.1 25.8 38.8



#45
2-Fluorobiphenyl
Concen: 47.915 ng
RT: 9.092 min Scan# 1191
Delta R.T. -0.006 min
Lab File: BF133167.D
Acq: 01 May 2023 21:13

Tgt Ion:172 Resp: 1047383
Ion Ratio Lower Upper
172 100
171 36.3 28.8 43.2
170 23.3 19.4 29.2





#46

1,1'-Biphenyl

Concen: 2.832 ng

RT: 9.192 min Scan# 1

Delta R.T. -0.006 min

Lab File: BF133167.D

Acq: 01 May 2023 21:13

Instrument :

BNA_F

ClientSampleId :

P001-SS012-0006-01

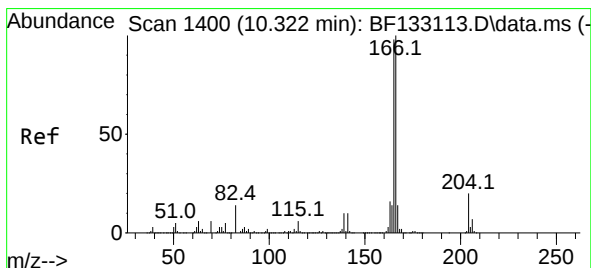
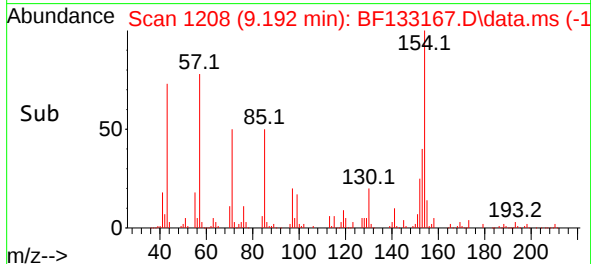
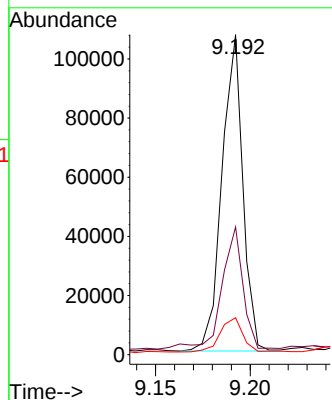
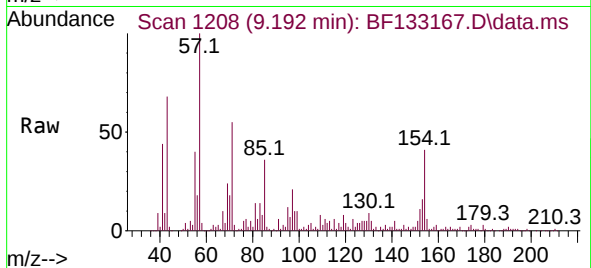
Tgt Ion:154 Resp: 82136

Ion Ratio Lower Upper

154 100

153 39.9 21.0 61.0

76 11.5 0.0 34.5



#58

Fluorene

Concen: 3.799 ng

RT: 10.316 min Scan# 1399

Delta R.T. -0.006 min

Lab File: BF133167.D

Acq: 01 May 2023 21:13

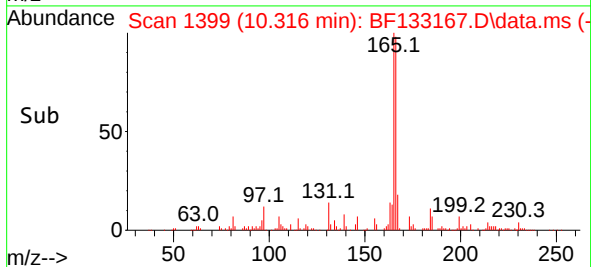
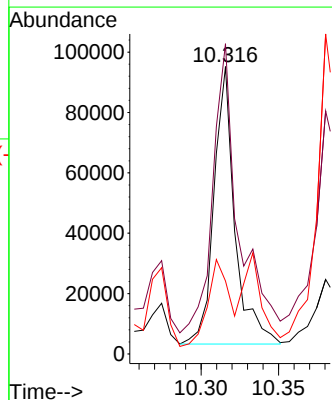
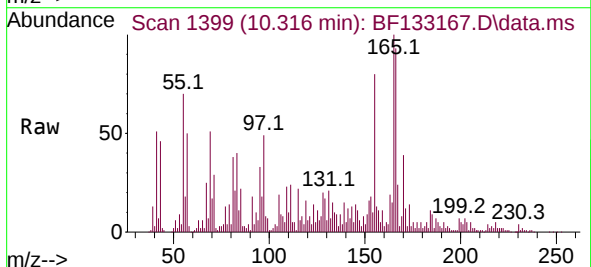
Tgt Ion:166 Resp: 86229

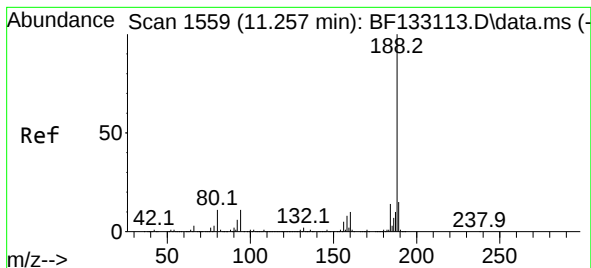
Ion Ratio Lower Upper

166 100

165 108.0 78.6 117.8

167 25.4 11.0 16.4#





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.251 min Scan# 1

Delta R.T. 0.000 min

Lab File: BF133167.D

Acq: 01 May 2023 21:13

Instrument :

BNA_F

ClientSampleId :

P001-SS012-0006-01

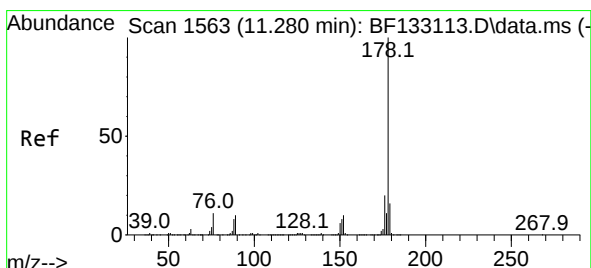
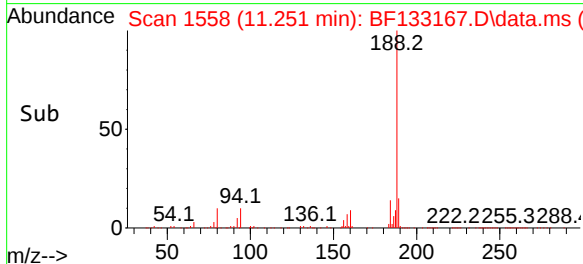
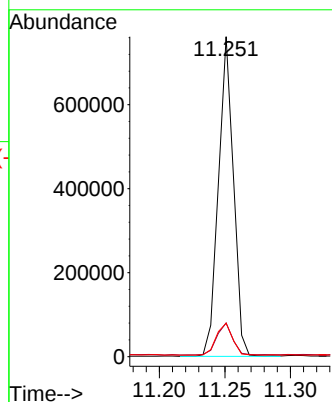
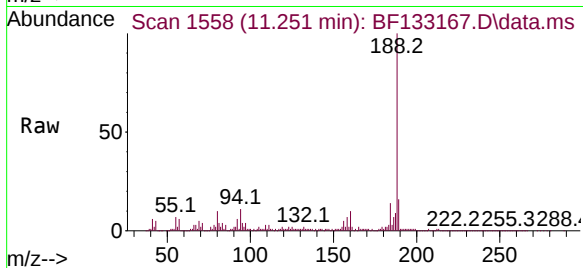
Tgt Ion:188 Resp: 605822

Ion Ratio Lower Upper

188 100

94 10.6 9.7 14.5

80 10.5 10.4 15.6



#71

Phenanthrene

Concen: 7.053 ng

RT: 11.274 min Scan# 1562

Delta R.T. -0.006 min

Lab File: BF133167.D

Acq: 01 May 2023 21:13

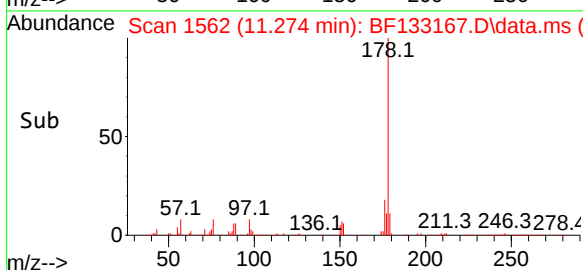
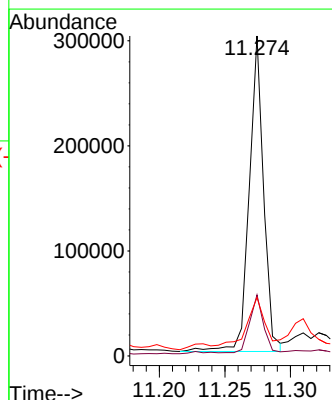
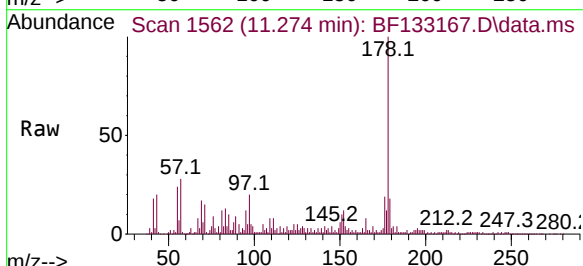
Tgt Ion:178 Resp: 229665

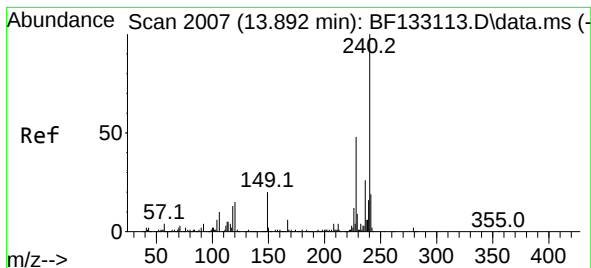
Ion Ratio Lower Upper

178 100

176 19.1 15.9 23.9

179 18.2 12.5 18.7





#76

Chrysene-d12

Concen: 20.000 ng

RT: 13.886 min Scan# 2007

Delta R.T. -0.006 min

Lab File: BF133167.D

Acq: 01 May 2023 21:13

Instrument :

BNA_F

ClientSampleId :

P001-SS012-0006-01

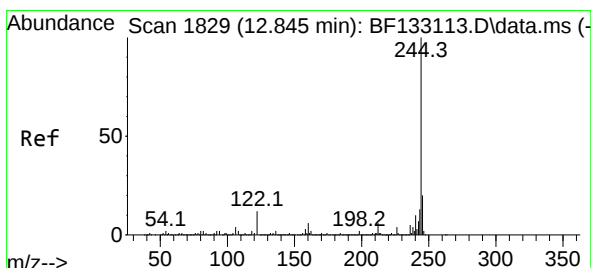
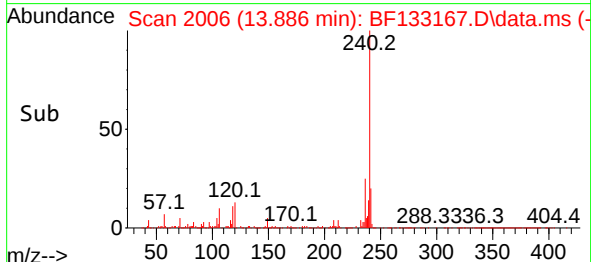
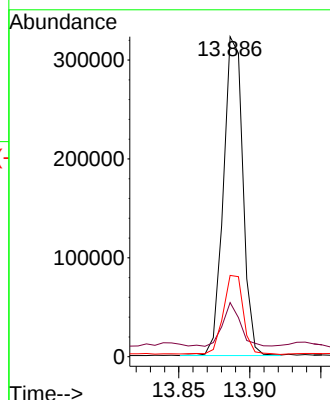
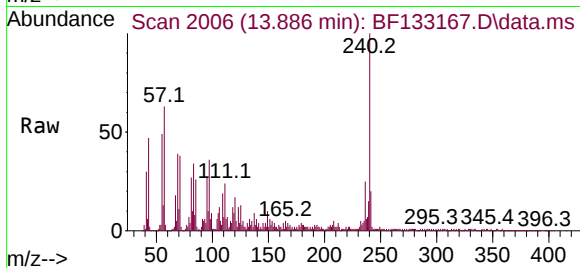
Tgt Ion:240 Resp: 307015

Ion Ratio Lower Upper

240 100

120 16.9 10.5 15.7#

236 25.4 21.5 32.3



#79

Terphenyl-d14

Concen: 43.735 ng

RT: 12.839 min Scan# 1828

Delta R.T. 0.000 min

Lab File: BF133167.D

Acq: 01 May 2023 21:13

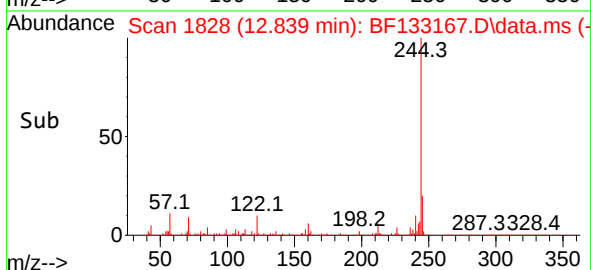
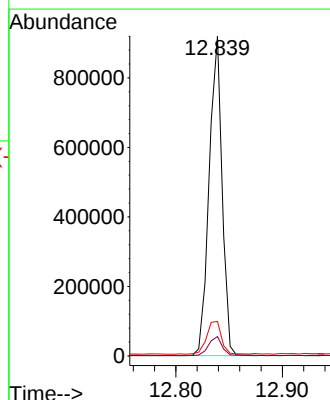
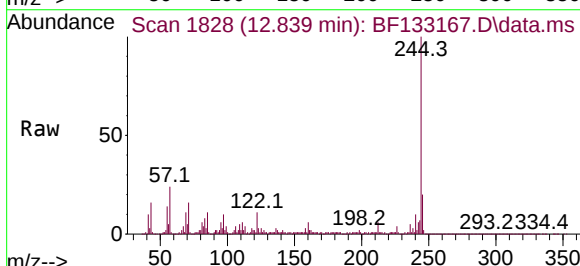
Tgt Ion:244 Resp: 778543

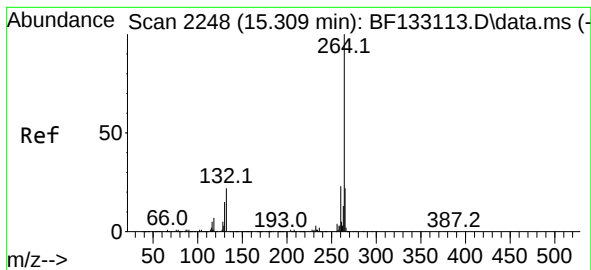
Ion Ratio Lower Upper

244 100

212 6.0 5.1 7.7

122 10.8 8.6 13.0





#86

Perylene-d12

Concen: 20.000 ng

RT: 15.315 min Scan# 21

Delta R.T. 0.012 min

Lab File: BF133167.D

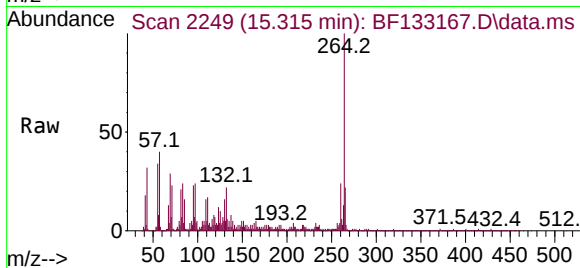
Acq: 01 May 2023 21:13

Instrument :

BNA_F

ClientSampleId :

P001-SS012-0006-01



Tgt Ion:264 Resp: 419020

Ion Ratio Lower Upper

264 100

260 24.3 18.8 28.2

265 22.3 17.0 25.4

