

Data Path : Z:\HPCHEM1\BNA F\DATA\BF041618\
 Data File : BF104541.D
 Acq On : 16 Apr 2018 19:07
 Operator : JU/SJ
 Sample : J2395-01
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 2-1-2-DENSE-GRADE-AGG-RCA

Quant Time: Apr 17 00:55:45 2018
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF040618.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Apr 16 12:15:25 2018
 Response via : Initial Calibration

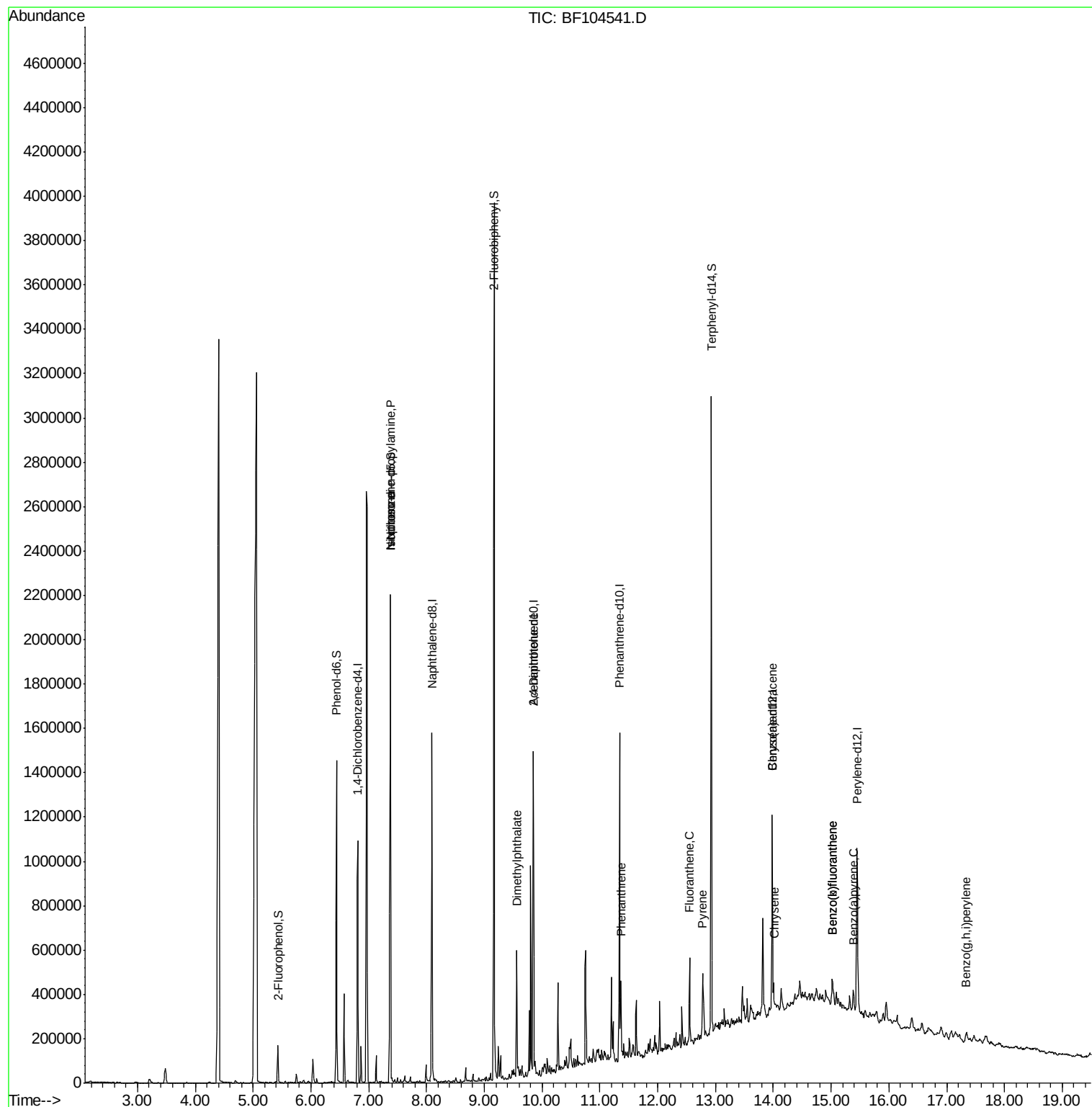
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.81	152	157907	20.00	ng	0.00
21) Naphthalene-d8	8.09	136	642889	20.00	ng	0.00
38) Acenaphthene-d10	9.85	164	293159	20.00	ng	0.00
63) Phenanthrene-d10	11.34	188	492006	20.00	ng	0.00
75) Chrysene-d12	13.99	240	298386	20.00	ng	0.00
86) Perylene-d12	15.45	264	321887	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.43	112	50074	4.85	ng	0.00
7) Phenol-d6	6.44	99	490562	38.66	ng	-0.01
23) Nitrobenzene-d5	7.37	82	721287	73.26	ng	0.00
41) 2,4,6-Tribromophenol	10.64	330	584	0.19	ng	0.00
44) 2-Fluorobiphenyl	9.17	172	1241696	66.91	ng	0.00
78) Terphenyl-d14	12.93	244	1021453	78.04	ng	0.00
Target Compounds						
9) Benzaldehyde	6.36	77	988	Below Cal		Qvalue # 58
19) n-Nitroso-di-n-propylamine	7.37	70	94218	11.363	ng	# 73
25) Isophorone	7.37	82	719228	34.546	ng	# 64
49) Dimethylphthalate	9.56	163	215288	9.313	ng	100
56) 2,4-Dinitrotoluene	9.85	165	38857	6.925	ng	# 23
70) Phenanthrene	11.36	178	122839	4.483	ng	97
74) Fluoranthene	12.55	202	133029	4.647	ng	99
76) Benzidine	12.93	184	14174	Below Cal		# 94
77) Pyrene	12.78	202	117700	5.322	ng	97
80) Benzo(a)anthracene	13.97	228	47032	2.638	ng	95
82) Chrysene	14.01	228	46732	2.552	ng	98
87) Benzo(b)fluoranthene	15.02	252	74463	3.663	ng	# 85
88) Benzo(k)fluoranthene	15.02	252	74463	3.880	ng	# 88
89) Benzo(a)pyrene	15.39	252	42358	2.329	ng	# 92
91) Benzo(a,h,i)perylene	17.34	276	30732	2.123	ng	94

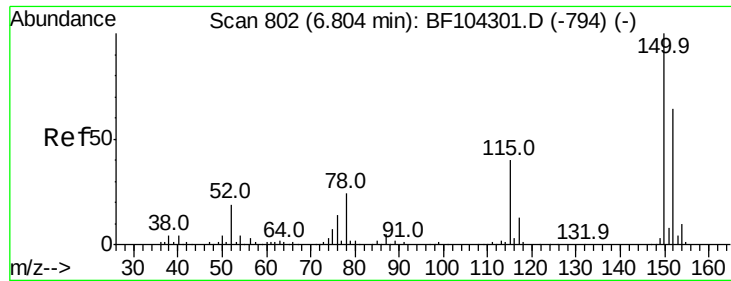
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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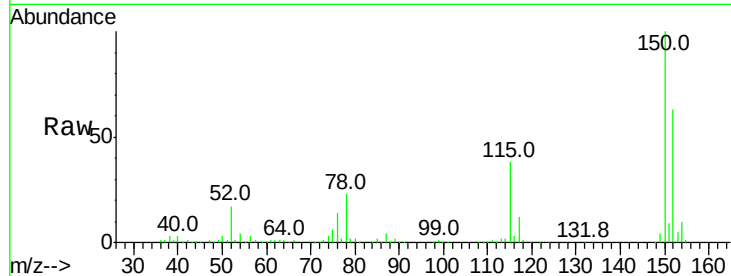


#1

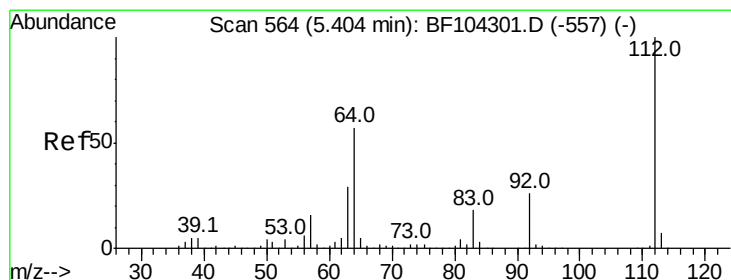
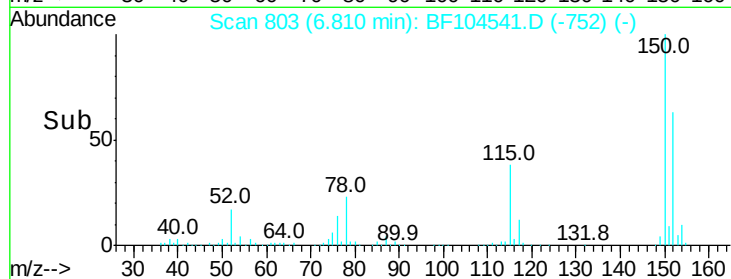
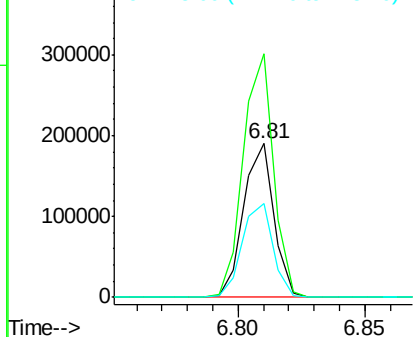
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.81 min Scan# 803
Delta R.T. -0.00 min
Lab File: BF104541.D
Acq: 16 Apr 2018 19:07

Instrument :
BNA_F
ClientSampleId :
2-1-2-DENSE-GRADE-AGG-RCA

Tot Ion:152 Resp: 157907
Ion Ratio Lower Upper
152 100
150 158.3 124.6 186.8
115 60.8 50.1 75.1



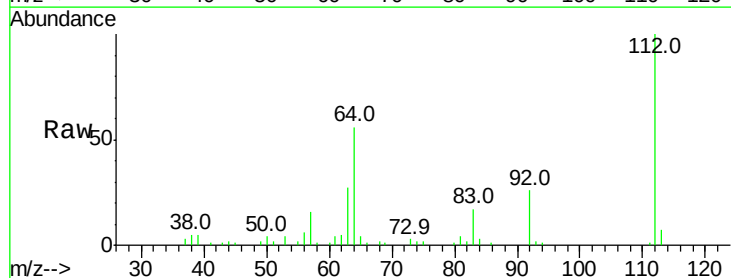
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



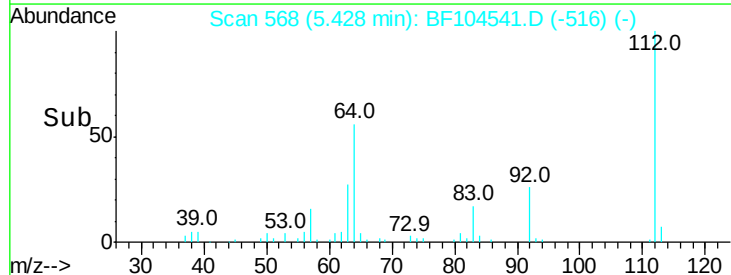
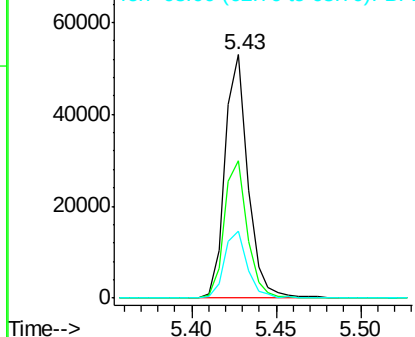
#5

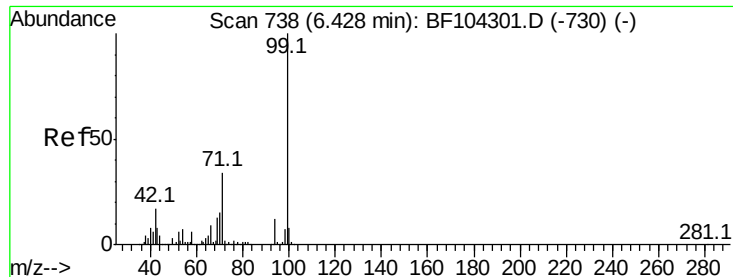
2-Fluorophenol
Concen: 4.849 ng
RT: 5.43 min Scan# 568
Delta R.T. 0.01 min
Lab File: BF104541.D
Acq: 16 Apr 2018 19:07

Tgt Ion:112 Resp: 50074
Ion Ratio Lower Upper
112 100
64 56.2 47.9 71.9
63 27.4 23.7 35.5



Abundance Ion 112.00 (111.70 to 112.70): E
Ion 64.00 (63.70 to 64.70): BF1
Ion 63.00 (62.70 to 63.70): BF1





#7

Phenol-d6

Concen: 38.662 ng

RT: 6.44 min Scan# 740

Delta R.T. -0.01 min

Lab File: BF104541.D

Acq: 16 Apr 2018 19:07

Instrument :

BNA_F

ClientSampleId :

2-1-2-DENSE-GRADE-AGG-RCA

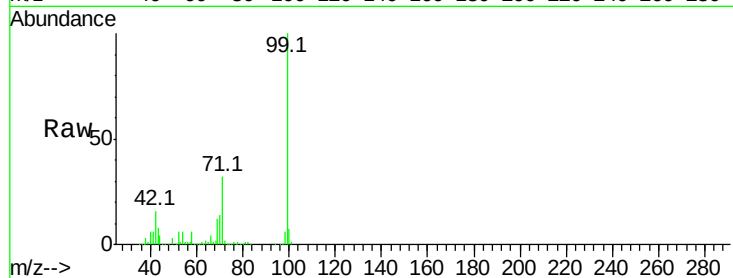
Tot Ion: 99 Resp: 490562

Ion Ratio Lower Upper

99 100

42 16.0 14.5 21.7

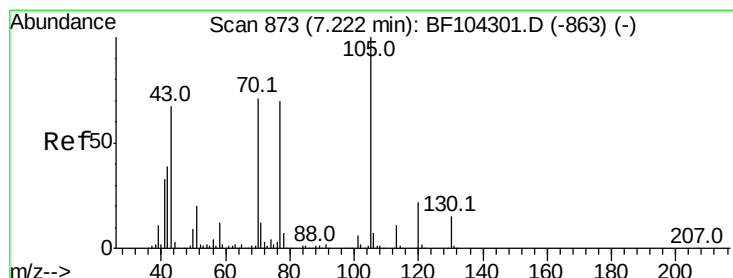
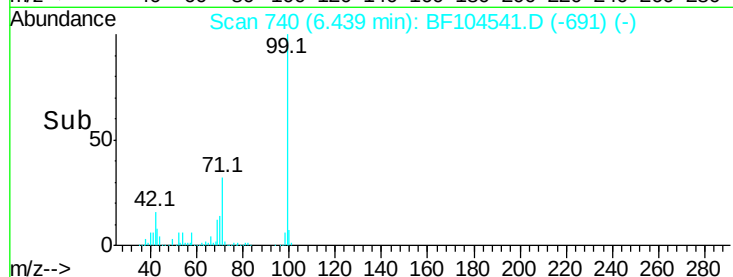
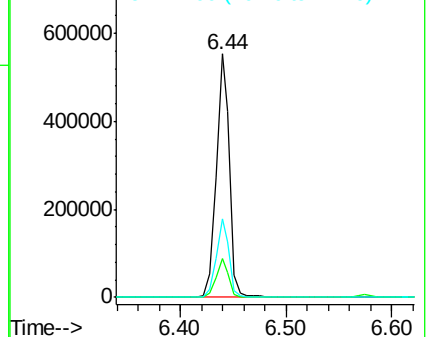
71 32.3 25.4 38.0



Abundance Ion 99.00 (98.70 to 99.70): BF1

Ion 42.00 (41.70 to 42.70): BF1

Ion 71.00 (70.70 to 71.70): BF1



#19

n-Nitroso-di-n-propylamine

Concen: 11.363 ng

RT: 7.37 min Scan# 899

Delta R.T. 0.15 min

Lab File: BF104541.D

Acq: 16 Apr 2018 19:07

Tgt Ion: 70 Resp: 94218

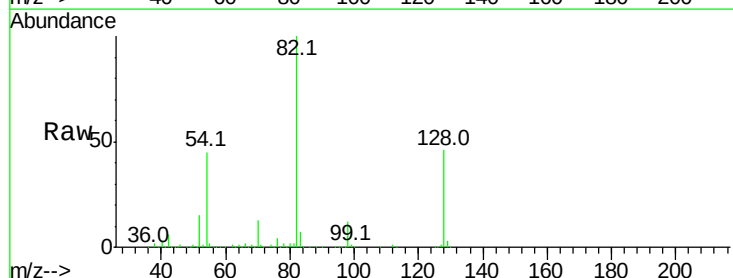
Ion Ratio Lower Upper

70 100

42 42.0 47.5 71.3#

101 0.0 7.4 11.2#

130 2.5 16.6 25.0#

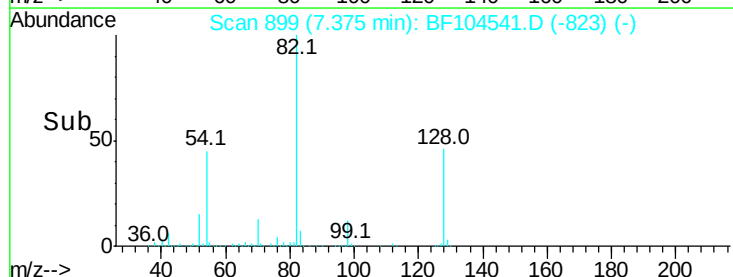
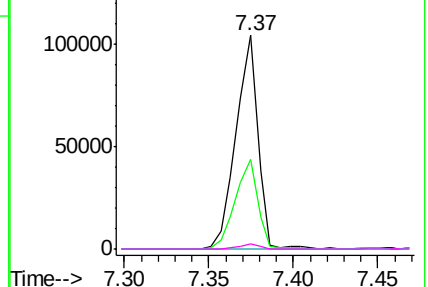


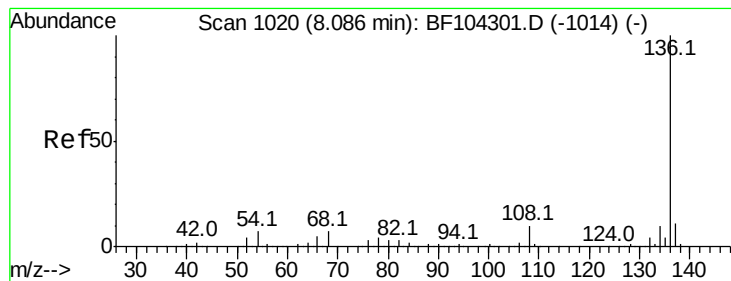
Abundance Ion 70.00 (69.70 to 70.70): BF1

Ion 42.00 (41.70 to 42.70): BF1

Ion 101.00 (100.70 to 101.70): BF1

Ion 130.00 (129.70 to 130.70): BF1





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.09 min Scan# 1021

Delta R.T. -0.00 min

Lab File: BF104541.D

Acq: 16 Apr 2018 19:07

Instrument :

BNA_F

ClientSampleId :

2-1-2-DENSE-GRADE-AGG-RCA

Tot Ion:136 Resp: 642889

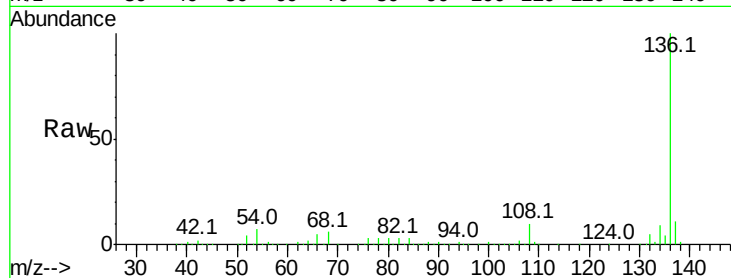
Ion Ratio Lower Upper

136 100

137 11.2 8.9 13.3

54 7.2 6.6 9.8

68 6.4 5.0 7.4

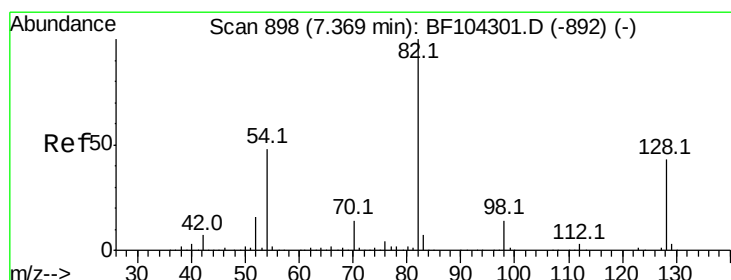
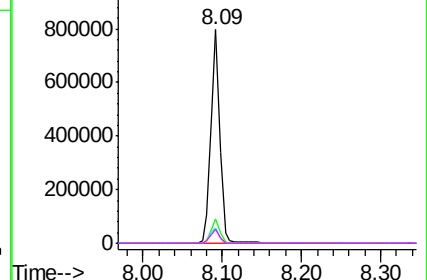
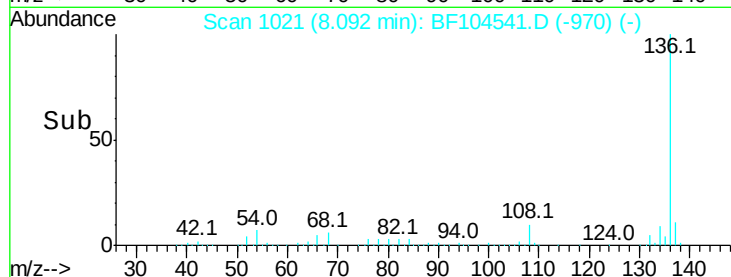


Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BF1

Ion 68.00 (67.70 to 68.70): BF1



#23

Nitrobenzene-d5

Concen: 73.261 ng

RT: 7.37 min Scan# 899

Delta R.T. -0.01 min

Lab File: BF104541.D

Acq: 16 Apr 2018 19:07

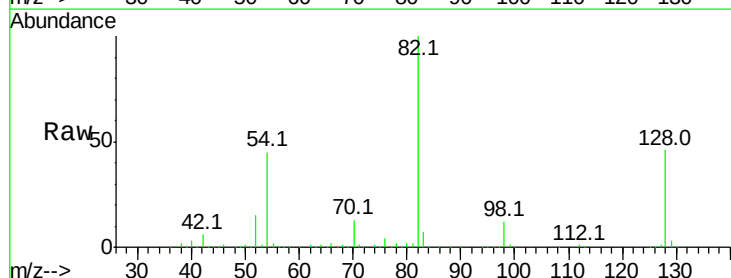
Tgt Ion: 82 Resp: 721287

Ion Ratio Lower Upper

82 100

128 46.4 36.1 54.1

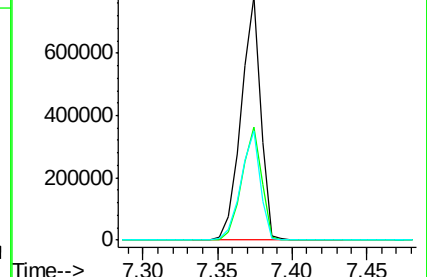
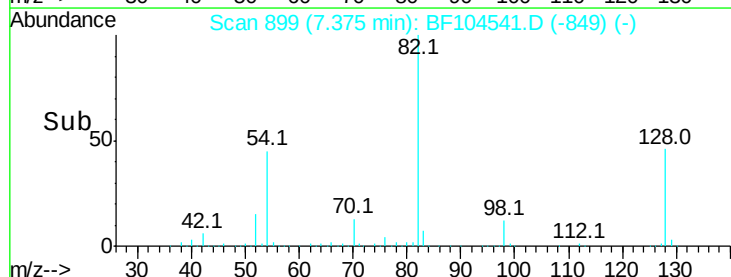
54 45.0 41.4 62.2

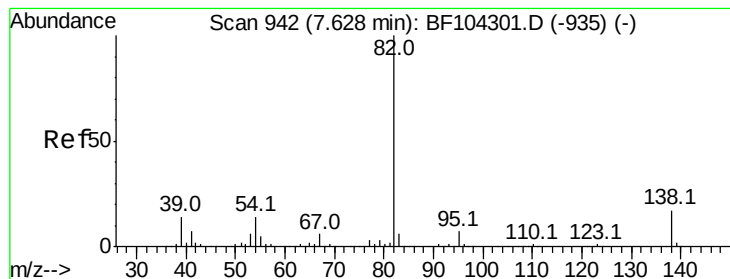


Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF1





#25

Isophorone

Concen: 34.546 ng

RT: 7.37 min Scan# 899

Delta R.T. -0.26 min

Lab File: BF104541.D

Acq: 16 Apr 2018 19:07

Instrument :

BNA_F

ClientSampleId :

2-1-2-DENSE-GRADE-AGG-RCA

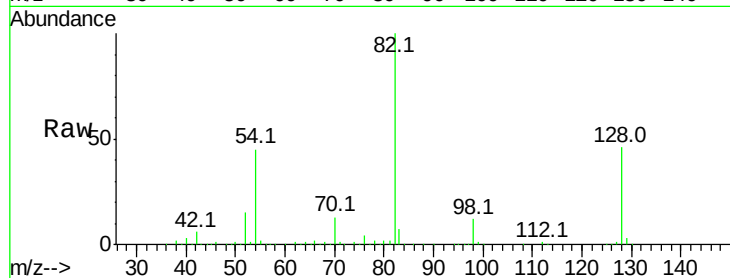
Tot Ion: 82 Resp: 719228

Ion Ratio Lower Upper

82 100

95 0.1 5.2 7.8#

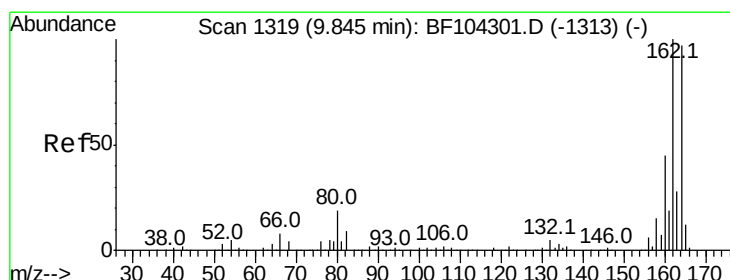
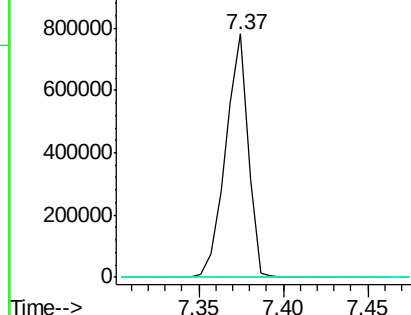
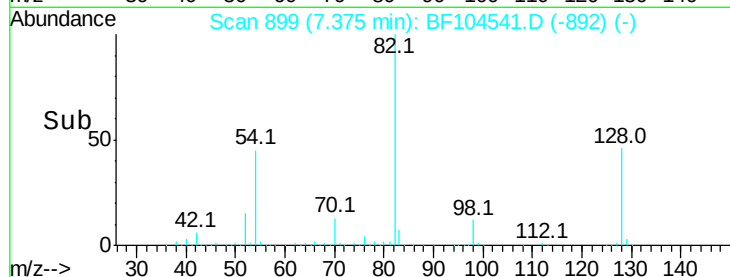
138 0.0 14.9 22.3#



Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 95.00 (94.70 to 95.70): BF1

Ion 138.00 (137.70 to 138.70): BF1



#38

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.85 min Scan# 1320

Delta R.T. -0.00 min

Lab File: BF104541.D

Acq: 16 Apr 2018 19:07

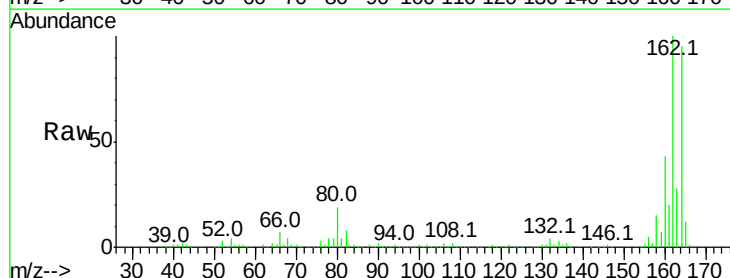
Tgt Ion: 164 Resp: 293159

Ion Ratio Lower Upper

164 100

162 105.7 86.1 129.1

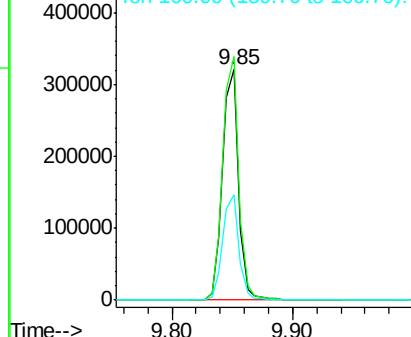
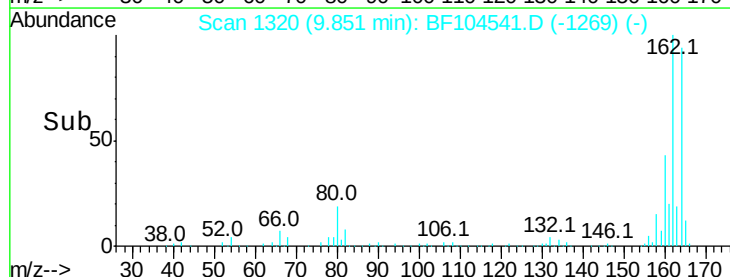
160 45.9 38.3 57.5

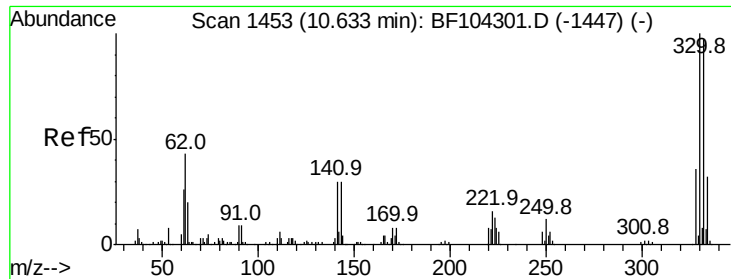


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E





#41

2,4,6-Tribromophenol

Concen: 0.192 ng

RT: 10.64 min Scan# 1454

Delta R.T. -0.01 min

Lab File: BF104541.D

Acq: 16 Apr 2018 19:07

Instrument :

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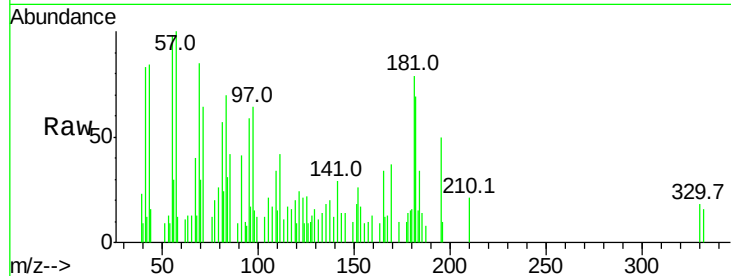
Tot Ion:330 Resp: 584

Ion Ratio Lower Upper

330 100

332 96.2 77.0 115.6

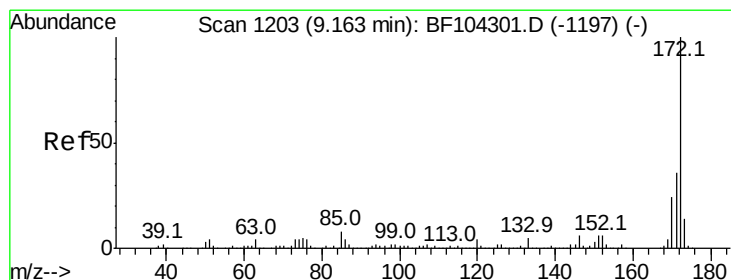
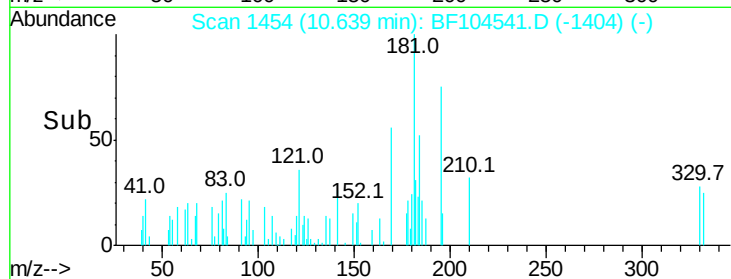
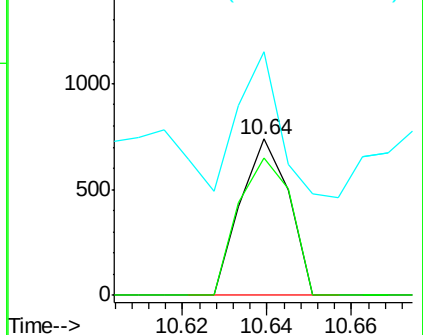
141 79.1 29.9 44.9#



Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E



#44

2-Fluorobiphenyl

Concen: 66.912 ng

RT: 9.17 min Scan# 1204

Delta R.T. -0.01 min

Lab File: BF104541.D

Acq: 16 Apr 2018 19:07

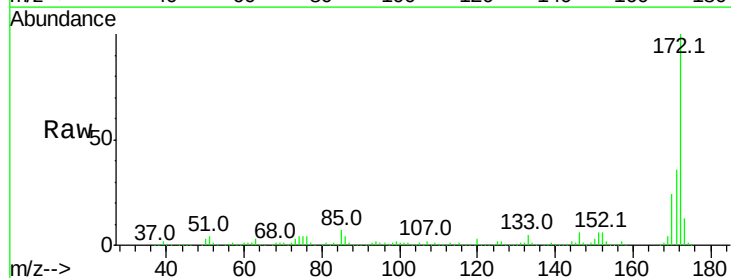
Tgt Ion:172 Resp: 1241696

Ion Ratio Lower Upper

172 100

171 36.4 29.7 44.5

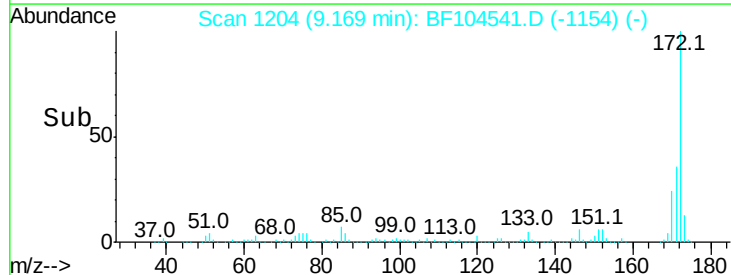
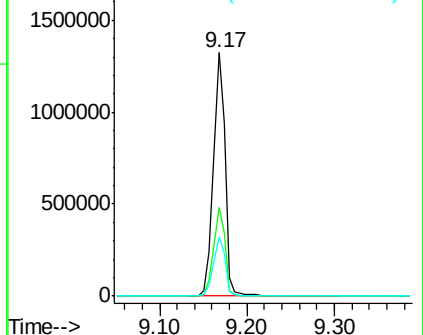
170 24.2 19.6 29.4

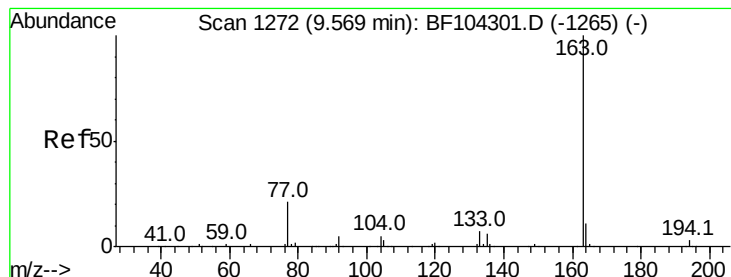


Abundance Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E





#49

Dimethylphthalate

Concen: 9.313 ng

RT: 9.56 min Scan# 1271

Delta R.T. -0.01 min

Lab File: BF104541.D

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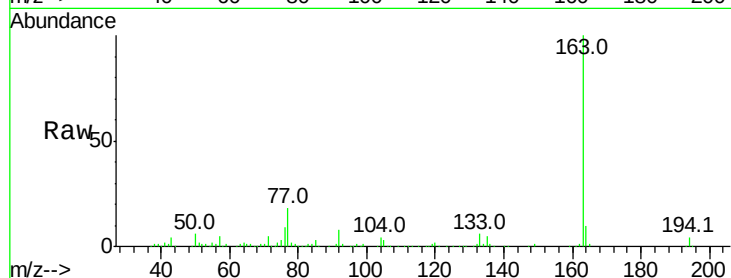
Tot Ion:163 Resp: 215288

Ion Ratio Lower Upper

163 100

194 3.6 2.7 4.1

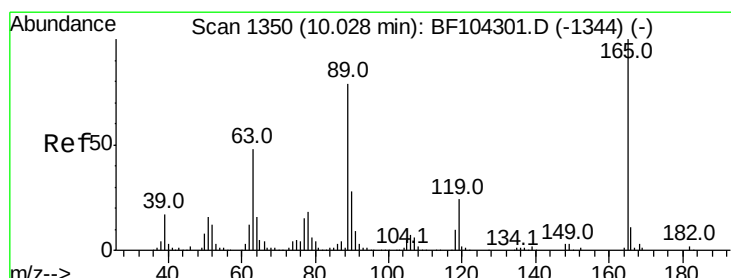
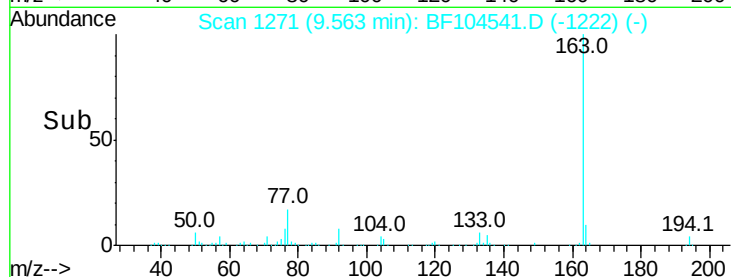
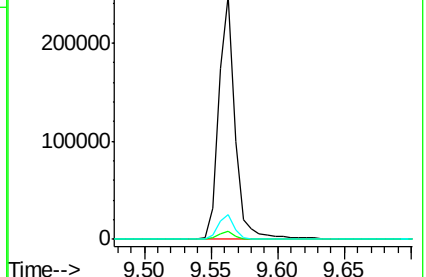
164 10.2 8.2 12.2



Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E



#56

2,4-Dinitrotoluene

Concen: 6.925 ng

RT: 9.85 min Scan# 1320

Delta R.T. -0.19 min

Lab File: BF104541.D

Acq: 16 Apr 2018 19:07

Tgt Ion:165 Resp: 38857

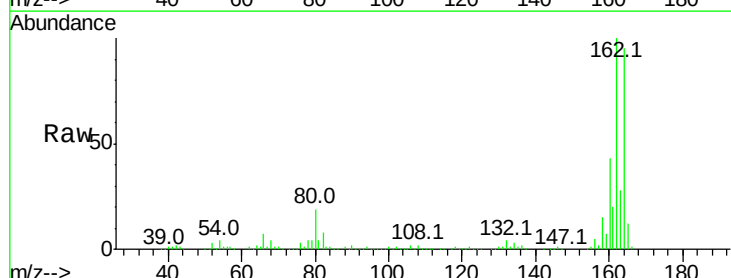
Ion Ratio Lower Upper

165 100

63 1.3 36.4 54.6#

89 1.5 57.8 86.6#

182 0.0 1.6 2.4#

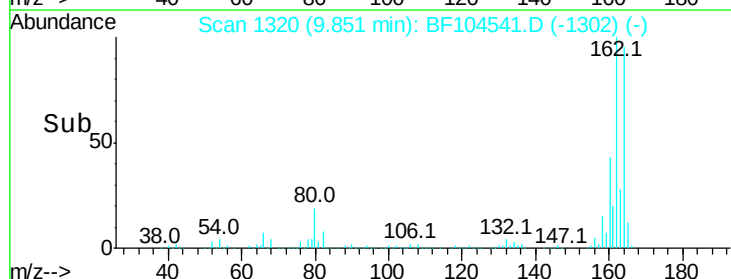
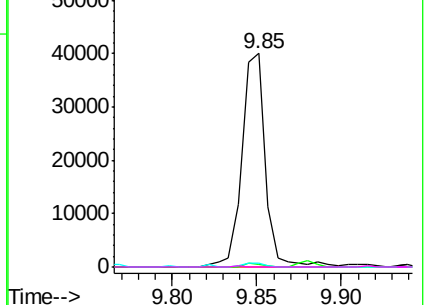


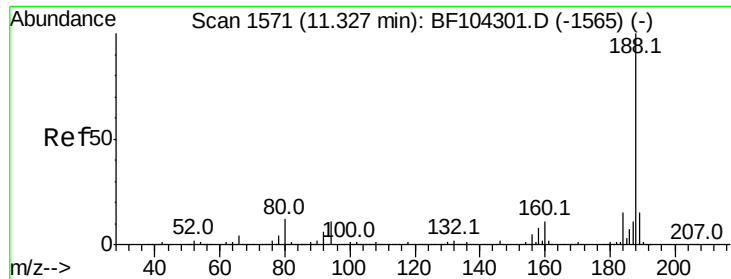
Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF1

Ion 89.00 (88.70 to 89.70): BF1

Ion 182.00 (181.70 to 182.70): E

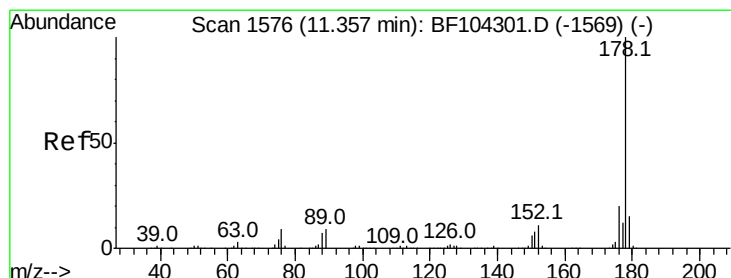
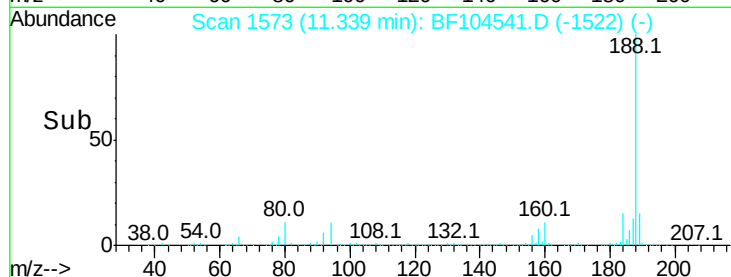
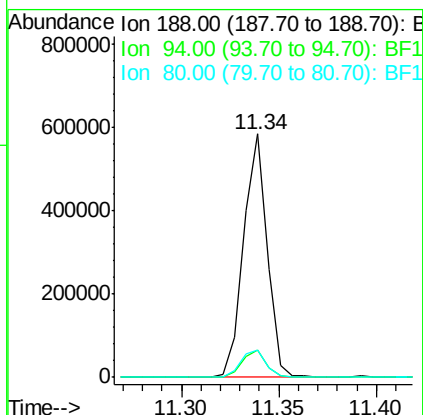
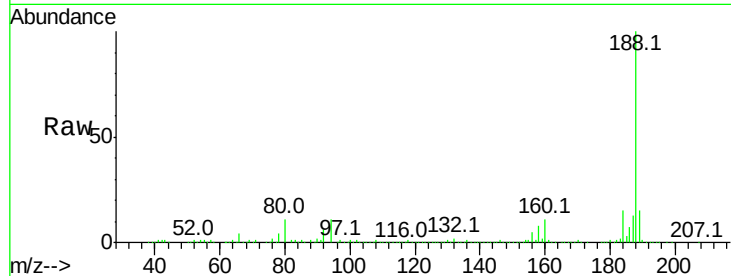




#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.34 min Scan# 1573
Delta R.T. -0.00 min
Lab File: BF104541.D
Acq: 16 Apr 2018 19:07

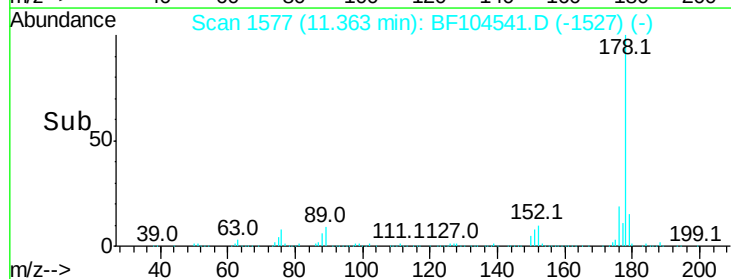
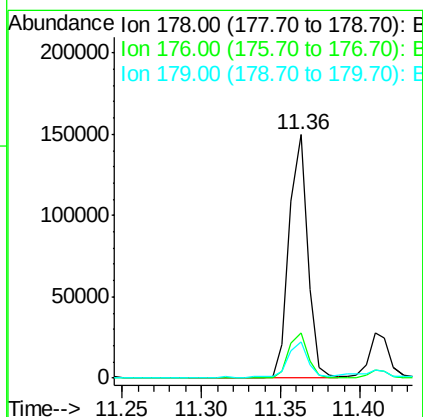
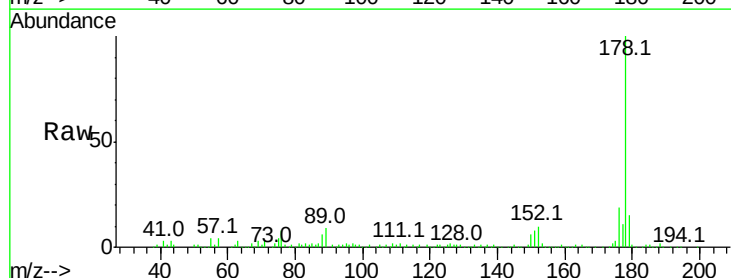
Instrument :
BNA_F
ClientSampleId :
2-1-2-DENSE-GRADE-AGG-RCA

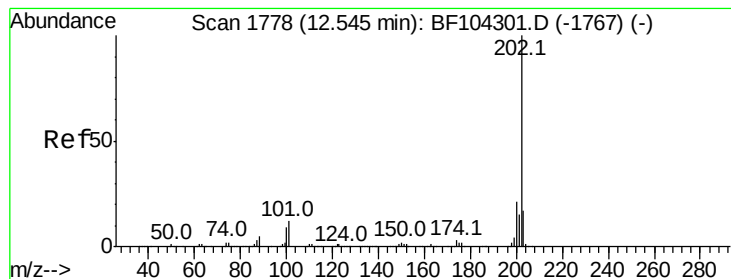
Tot Ion:188 Resp: 492006
Ion Ratio Lower Upper
188 100
94 11.2 8.5 12.7
80 11.4 9.2 13.8



#70
Phenanthrene
Concen: 4.483 ng
RT: 11.36 min Scan# 1577
Delta R.T. -0.01 min
Lab File: BF104541.D
Acq: 16 Apr 2018 19:07

Tgt Ion:178 Resp: 122839
Ion Ratio Lower Upper
178 100
176 18.7 15.8 23.8
179 15.0 13.0 19.6





#74

Fluoranthene

Concen: 4.647 ng

RT: 12.55 min Scan# 1779

Delta R.T. -0.01 min

Lab File: BF104541.D

Acq: 16 Apr 2018 19:07

Instrument :

BNA_F

ClientSampleId :

2-1-2-DENSE-GRADE-AGG-RCA

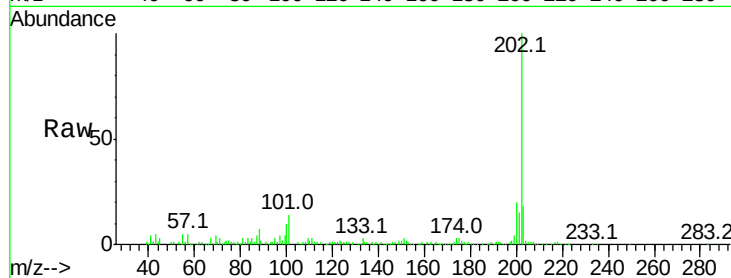
Tot Ion:202 Resp: 133029

Ion Ratio Lower Upper

202 100

101 13.8 0.0 34.1

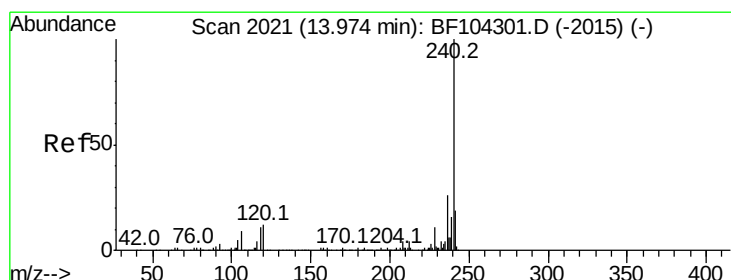
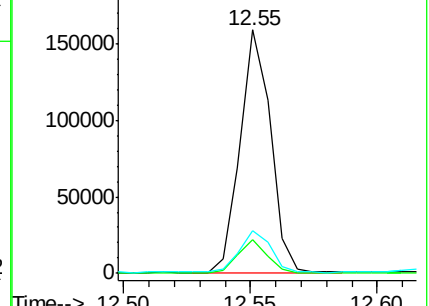
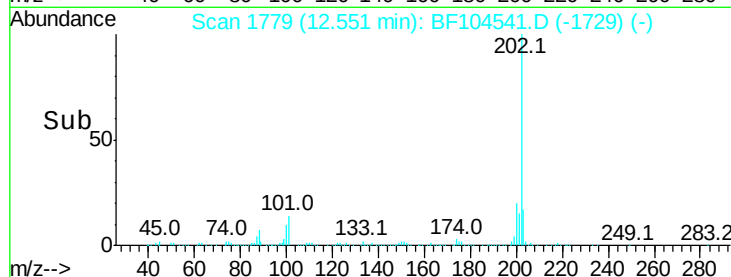
203 17.5 0.0 38.1



Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E



#75

Chrysene-d12

Concen: 20.000 ng

RT: 13.99 min Scan# 2023

Delta R.T. -0.01 min

Lab File: BF104541.D

Acq: 16 Apr 2018 19:07

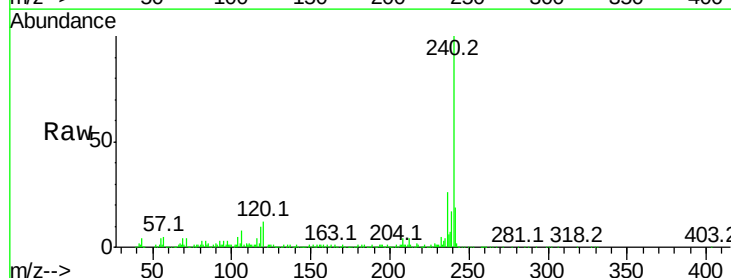
Tgt Ion:240 Resp: 298386

Ion Ratio Lower Upper

240 100

120 11.7 9.5 14.3

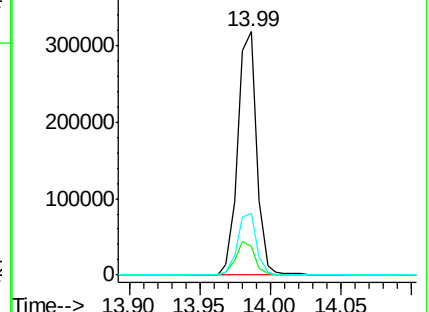
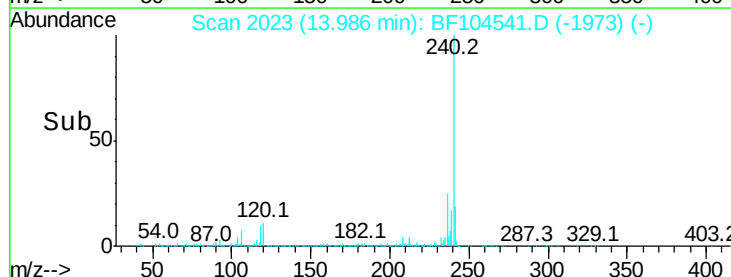
236 25.5 20.7 31.1

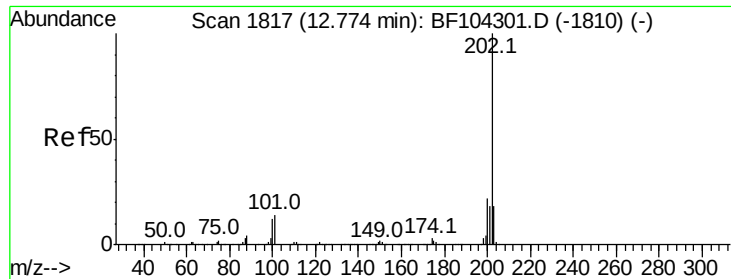


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E

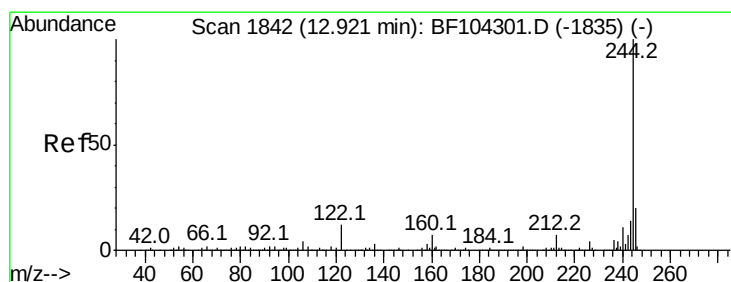
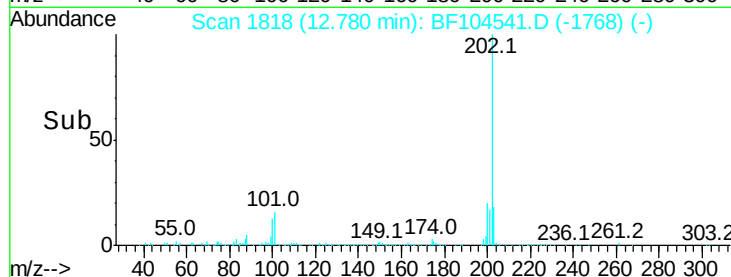
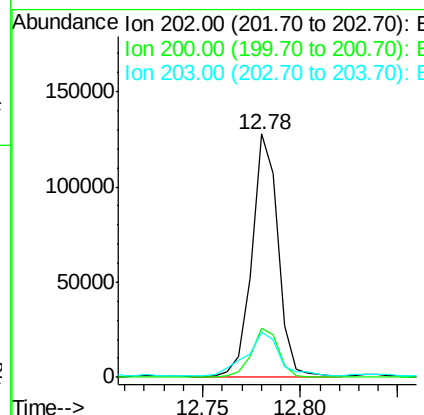
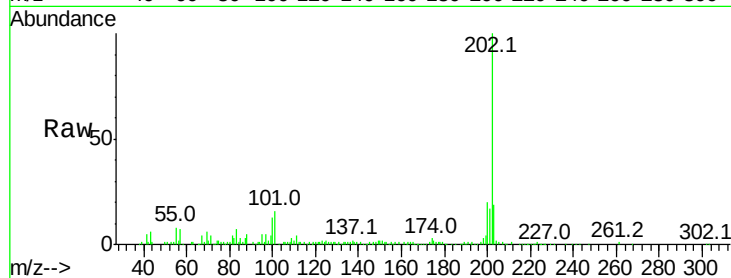




#77
Pvrene
Concen: 5.322 ng
RT: 12.78 min Scan# 1818
Delta R.T. -0.01 min
Lab File: BF104541.D
Acq: 16 Apr 2018 19:07

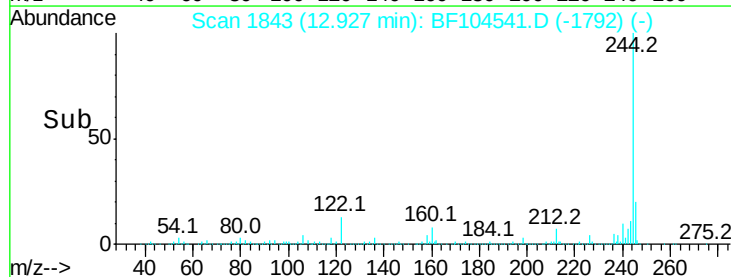
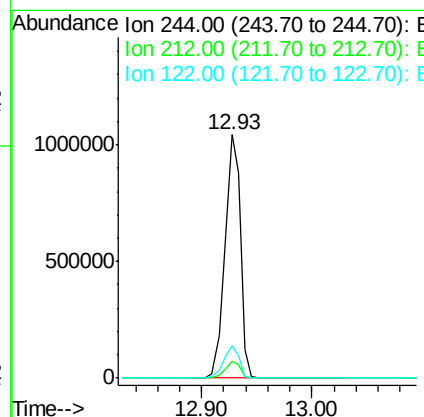
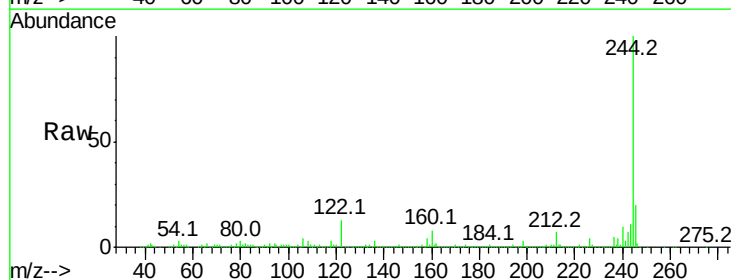
Instrument :
BNA_F
ClientSampleId :
2-1-2-DENSE-GRADE-AGG-RCA

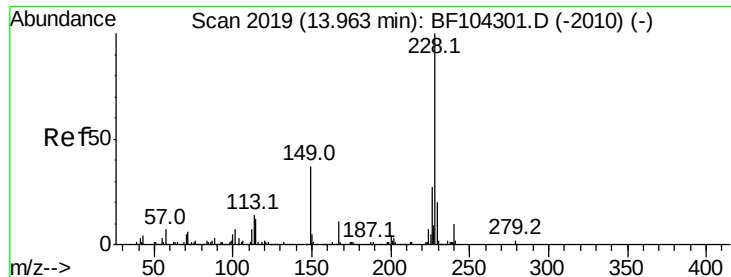
Tot Ion:202 Resp: 117700
Ion Ratio Lower Upper
202 100
200 20.0 17.4 26.2
203 18.5 14.3 21.5



#78
Terphenyl-d14
Concen: 78.044 ng
RT: 12.93 min Scan# 1843
Delta R.T. -0.00 min
Lab File: BF104541.D
Acq: 16 Apr 2018 19:07

Tgt Ion:244 Resp: 1021453
Ion Ratio Lower Upper
244 100
212 6.9 5.4 8.0
122 13.2 11.0 16.4

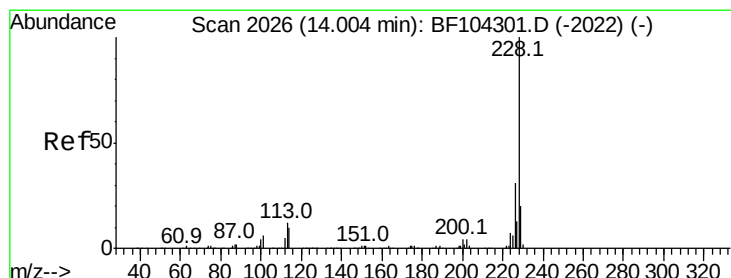
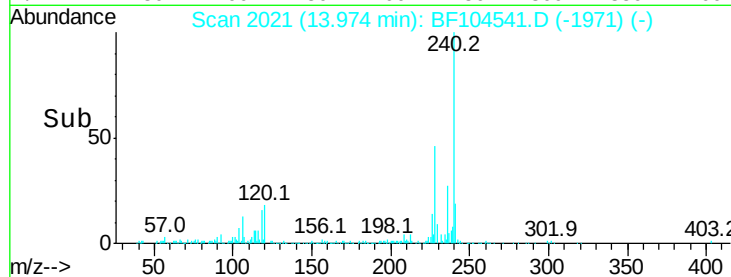
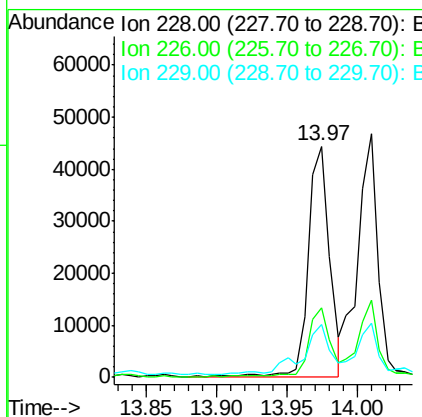
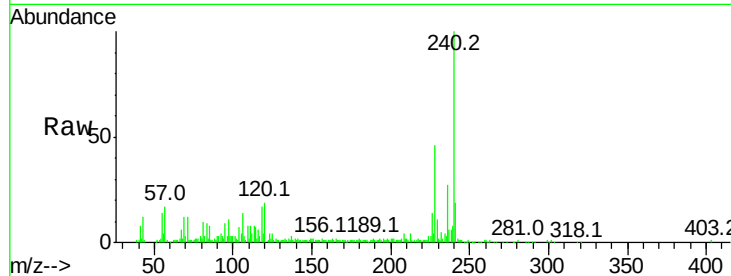




#80
Benzo(a)anthracene
Concen: 2.638 ng
RT: 13.97 min Scan# 2021
Delta R.T. -0.01 min
Lab File: BF104541.D
Acq: 16 Apr 2018 19:07

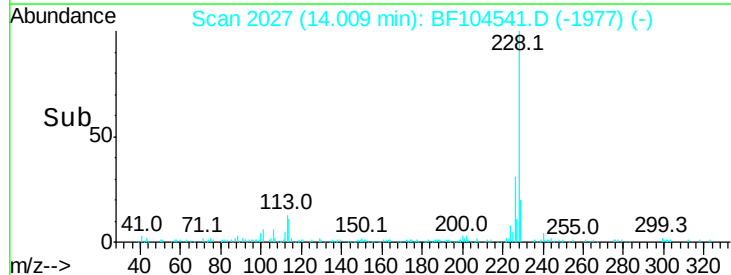
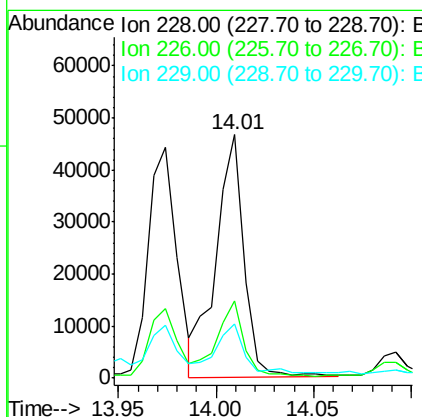
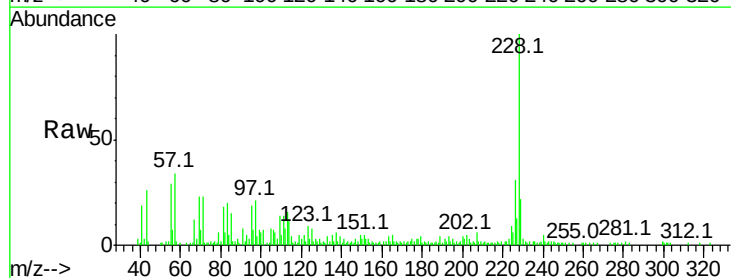
Instrument :
BNA_F
ClientSampleId :
2-1-2-DENSE-GRADE-AGG-RCA

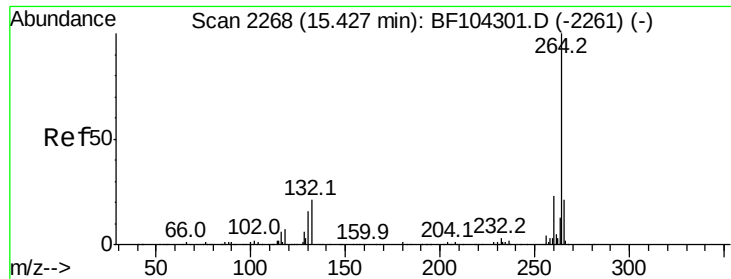
Tot Ion:228 Resp: 47032
Ion Ratio Lower Upper
228 100
226 30.3 22.6 33.8
229 23.1 15.8 23.6



#82
Chrysene
Concen: 2.552 ng
RT: 14.01 min Scan# 2027
Delta R.T. -0.01 min
Lab File: BF104541.D
Acq: 16 Apr 2018 19:07

Tgt Ion:228 Resp: 46732
Ion Ratio Lower Upper
228 100
226 31.5 25.0 37.6
229 22.2 16.2 24.4

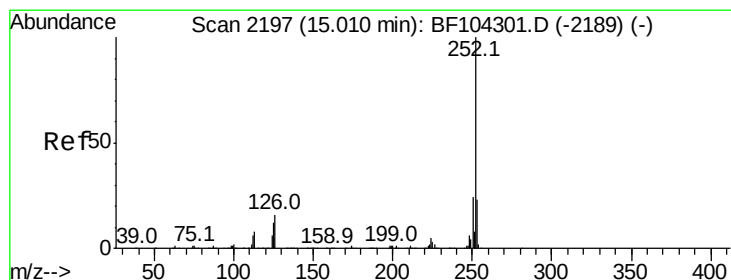
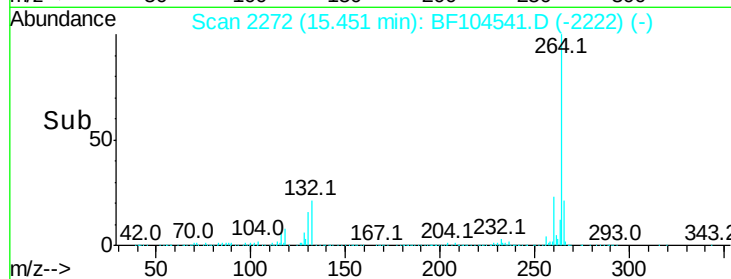
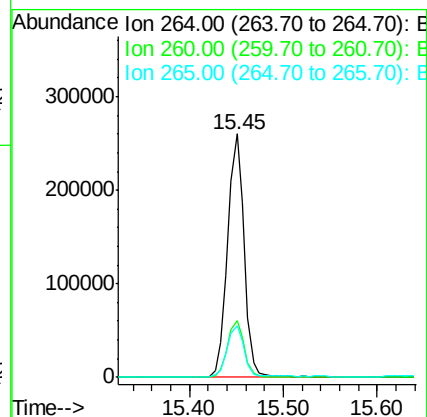
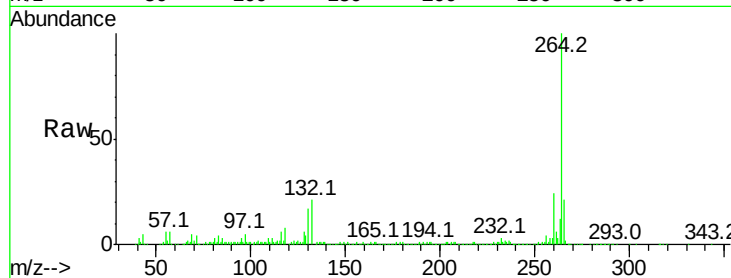




#86
Pervlene-d12
Concen: 20.000 ng
RT: 15.45 min Scan# 2272
Delta R.T. -0.01 min
Lab File: BF104541.D
Acq: 16 Apr 2018 19:07

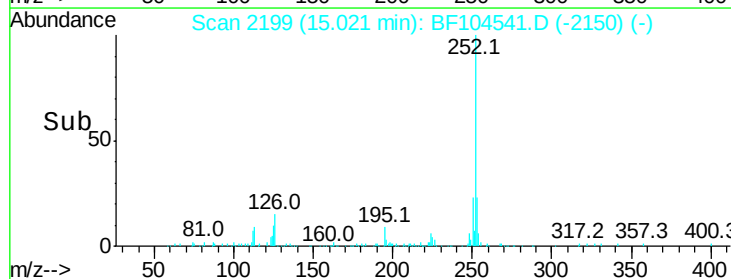
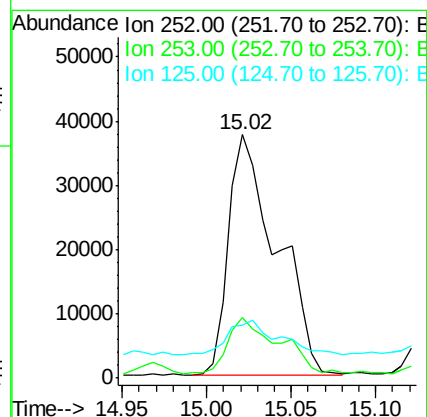
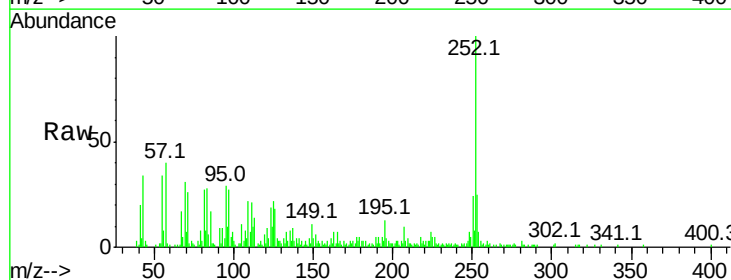
Instrument :
BNA_F
ClientSampleId :
2-1-2-DENSE-GRADE-AGG-RCA

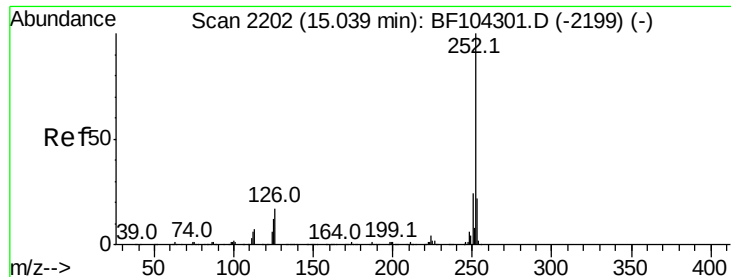
Tot Ion:264 Resp: 321887
Ion Ratio Lower Upper
264 100
260 23.5 19.2 28.8
265 21.2 17.5 26.3



#87
Benzo(b)fluoranthene
Concen: 3.663 ng
RT: 15.02 min Scan# 2199
Delta R.T. -0.01 min
Lab File: BF104541.D
Acq: 16 Apr 2018 19:07

Tgt Ion:252 Resp: 74463
Ion Ratio Lower Upper
252 100
253 25.0 17.0 25.6
125 21.6 9.0 13.6#

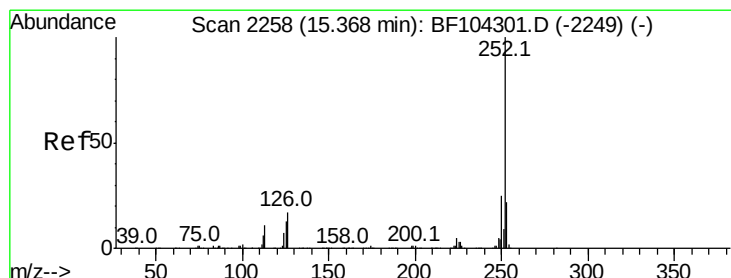
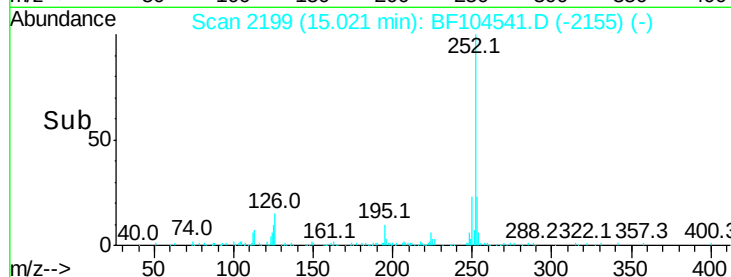
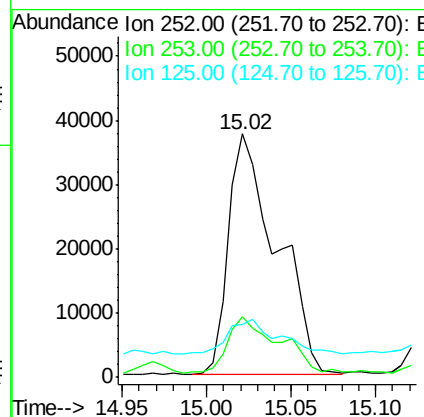
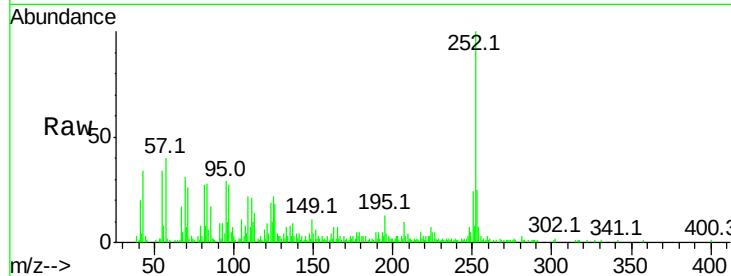




#88
Benzo(k)fluoranthene
Concen: 3.880 ng
RT: 15.02 min Scan# 2199
Delta R.T. -0.04 min
Lab File: BF104541.D
Acq: 16 Apr 2018 19:07

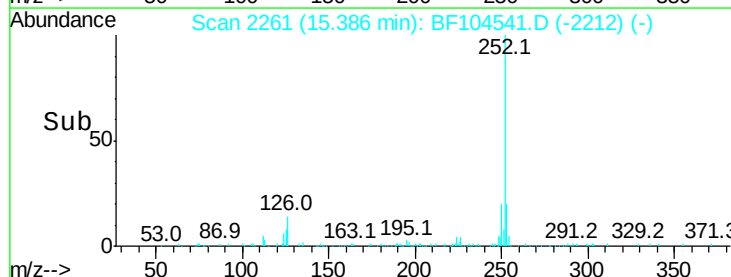
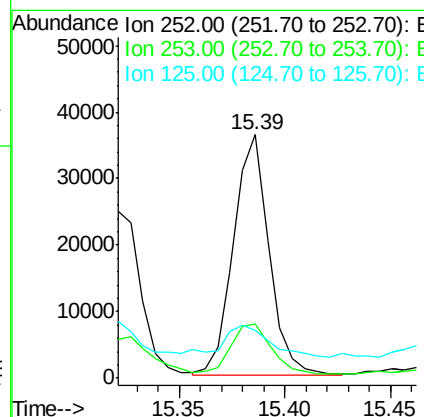
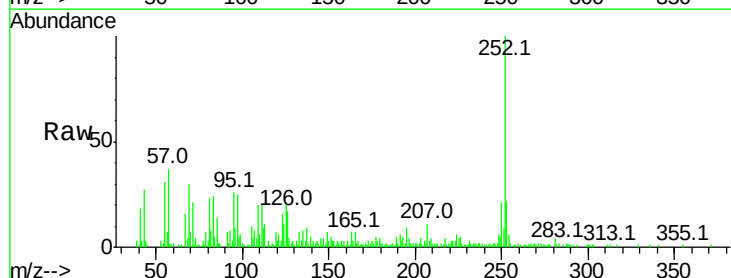
Instrument :
BNA_F
ClientSampleId :
2-1-2-DENSE-GRADE-AGG-RCA

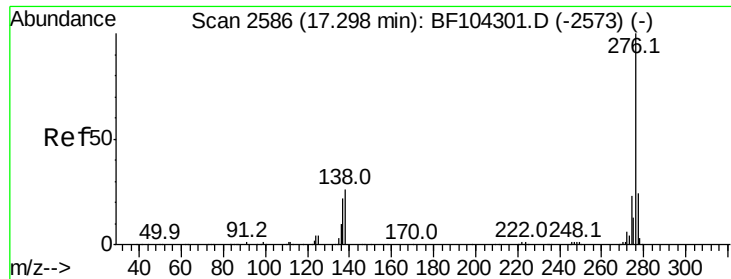
Tot Ion:252 Resp: 74463
Ion Ratio Lower Upper
252 100
253 25.0 17.9 26.9
125 21.6 10.2 15.2#



#89
Benzo(a)pyrene
Concen: 2.329 ng
RT: 15.39 min Scan# 2261
Delta R.T. -0.01 min
Lab File: BF104541.D
Acq: 16 Apr 2018 19:07

Tgt Ion:252 Resp: 42358
Ion Ratio Lower Upper
252 100
253 22.0 17.1 25.7
125 19.5 9.8 14.6#

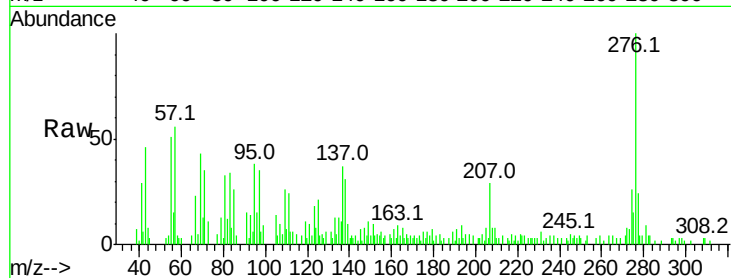




#91
 Benzo(a,h,i)perylene
 Concen: 2.123 ng
 RT: 17.34 min Scan# 2593
 Delta R.T. -0.02 min
 Lab File: BF104541.D
 Acq: 16 Apr 2018 19:07

Instrument :
 BNA_F
 ClientSampleId :
 2-1-2-DENSE-GRADE-AGG-RCA

Tot Ion	Ratio	Lower	Upper
276	100		
277	24.3	17.9	26.9
138	31.2	21.8	32.8



Abundance

Ion 276.00 (275.70 to 276.70): E

Ion 277.00 (276.70 to 277.70): E

Ion 138.00 (137.70 to 138.70): E

