

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF121318\
 Data File : BF111390.D
 Acq On : 14 Dec 2018 00:37
 Operator : JU/SJ
 Sample : J6210-07
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 C-1-112918

Quant Time: Dec 14 03:45:29 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF121218.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Dec 12 13:16:52 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.79	152	250739	20.00	ng	0.00
21) Naphthalene-d8	8.07	136	1136012	20.00	ng	0.00
39) Acenaphthene-d10	9.83	164	450185	20.00	ng	0.00
64) Phenanthrene-d10	11.31	188	648738	20.00	ng	0.00
76) Chrysene-d12	13.95	240	453320	20.00	ng	0.00
87) Perylene-d12	15.39	264	348416	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.43	112	1300976	87.74	ng	0.02
7) Phenol-d6	6.45	99	1718860	85.98	ng	0.01
23) Nitrobenzene-d5	7.35	82	1044494	51.82	ng	-0.01
42) 2,4,6-Tribromophenol	10.62	330	280613	70.71	ng	0.00
45) 2-Fluorobiphenyl	9.15	172	1886033	67.26	ng	0.00
79) Terphenyl-d14	12.90	244	1282124	62.25	ng	0.00

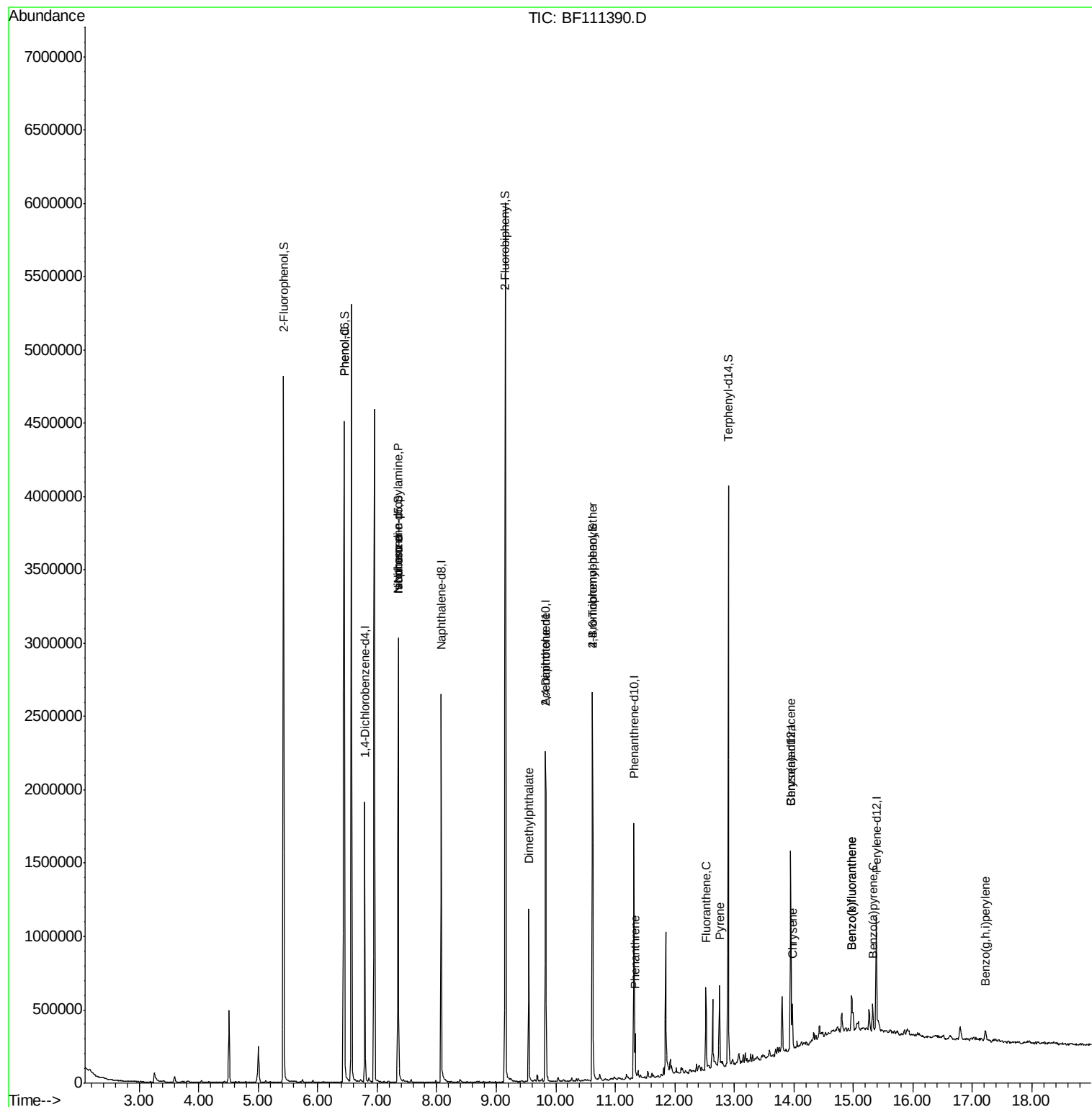
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) Benzaldehyde	6.45	77	3555	Below Cal		# 1
10) Phenol	6.45	94	122629	5.415	ng	97
19) n-Nitroso-di-n-propylamine	7.35	70	135193	10.177	ng	# 79
25) Isophorone	7.35	82	1028595	30.044	ng	# 64
50) Dimethylphthalate	9.55	163	424989	13.128	ng	98
57) 2,4-Dinitrotoluene	9.83	165	59213	6.438	ng	# 24
67) 4-Bromophenyl-phenylether	10.62	248	17877	2.475	ng	# 1
71) Phenanthrene	11.33	178	93424	2.786	ng	# 90
75) Fluoranthene	12.52	202	206212	6.300	ng	99
78) Pyrene	12.75	202	217130	6.206	ng	94
81) Benzo(a)anthracene	13.94	228	97657	3.850	ng	94
83) Chrysene	13.97	228	116053	4.485	ng	97
88) Benzo(b)fluoranthene	14.97	252	169465	8.554	ng	# 97
89) Benzo(k)fluoranthene	14.97	252	169465	8.569	ng	# 96
90) Benzo(a)pyrene	15.32	252	83517	4.527	ng	# 95
92) Benzo(g,h,i)perylene	17.22	276	56478	3.681	ng	# 92

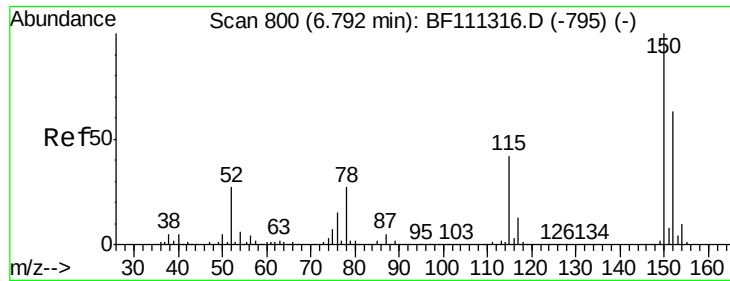
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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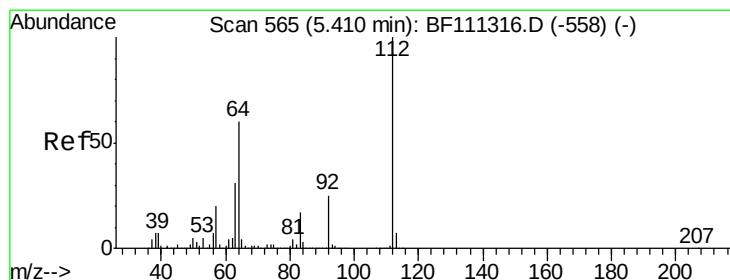
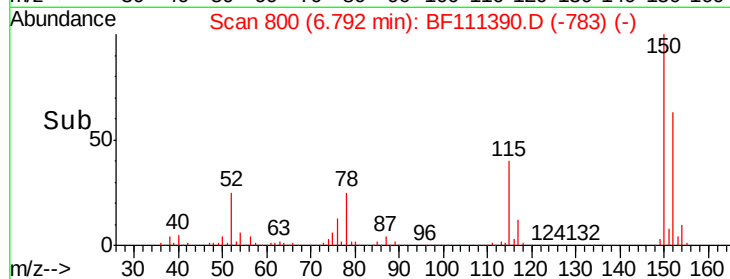
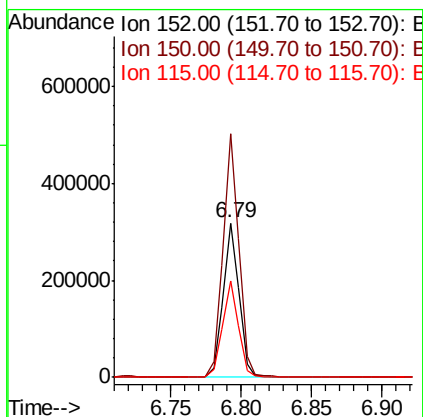
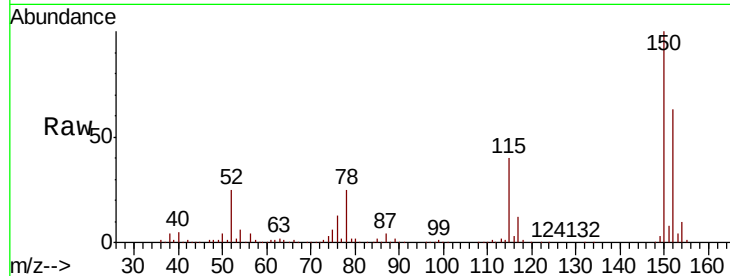




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.79 min Scan# 800
 Delta R.T. -0.00 min
 Lab File: BF111390.D
 Acq: 14 Dec 2018 00:37

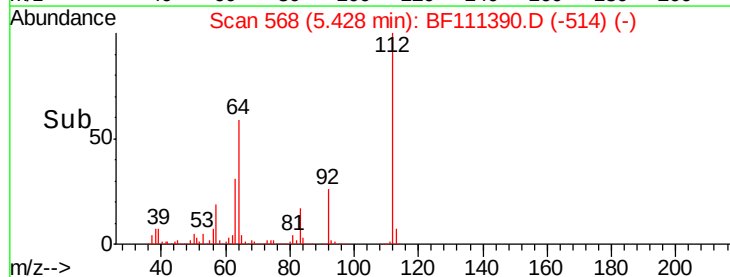
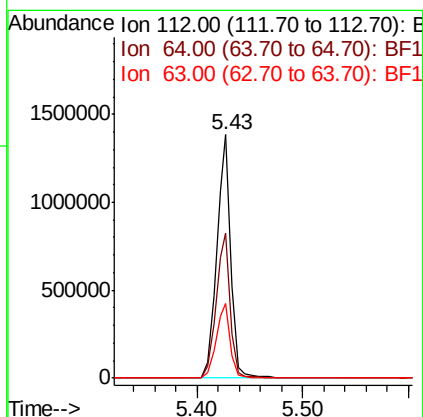
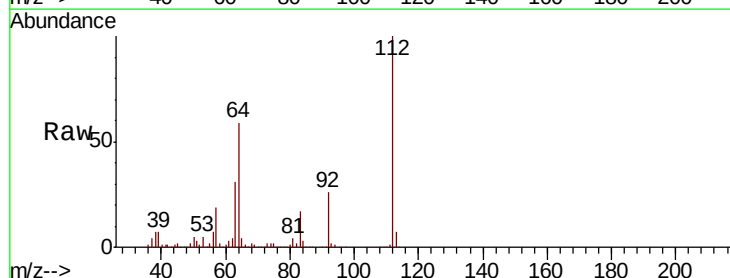
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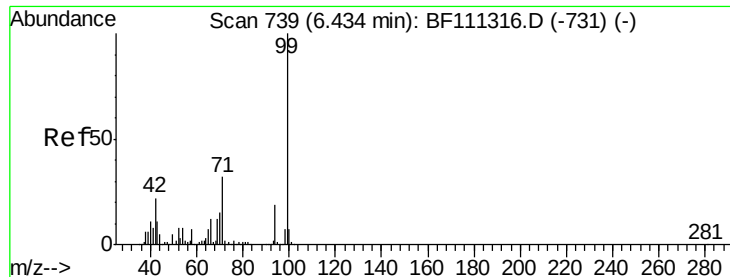
Tgt Ion:152 Resp: 250739
 Ion Ratio Lower Upper
 152 100
 150 157.9 126.6 189.8
 115 62.9 50.7 76.1



#5
 2-Fluorophenol
 Concen: 87.740 ng
 RT: 5.43 min Scan# 568
 Delta R.T. 0.02 min
 Lab File: BF111390.D
 Acq: 14 Dec 2018 00:37

Tgt Ion:112 Resp: 1300976
 Ion Ratio Lower Upper
 112 100
 64 59.5 51.8 77.6
 63 30.6 26.8 40.2





#7

Phenol-d6

Concen: 85.979 ng

RT: 6.45 min Scan# 741

Delta R.T. 0.01 min

Lab File: BF111390.D

Acq: 14 Dec 2018 00:37

Instrument :

BNA_F

ClientSampleId :

C-1-112918

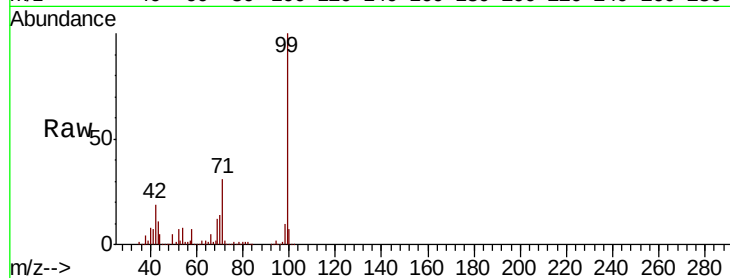
Tgt Ion: 99 Resp: 1718860

Ion Ratio Lower Upper

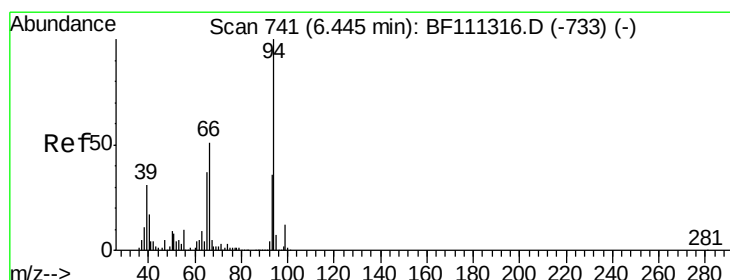
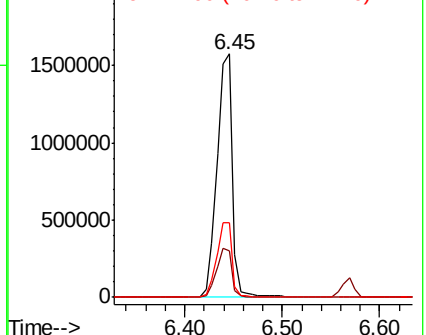
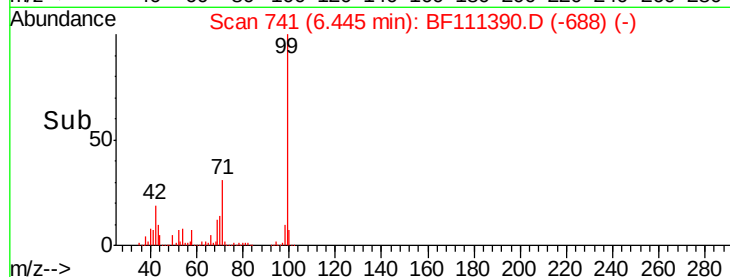
99 100

42 19.0 17.4 26.0

71 30.7 26.1 39.1



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



#10

Phenol

Concen: 5.415 ng

RT: 6.45 min Scan# 742

Delta R.T. 0.01 min

Lab File: BF111390.D

Acq: 14 Dec 2018 00:37

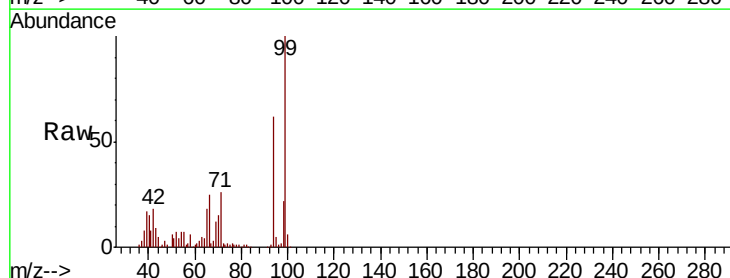
Tgt Ion: 94 Resp: 122629

Ion Ratio Lower Upper

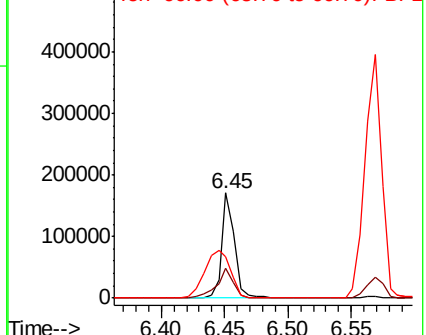
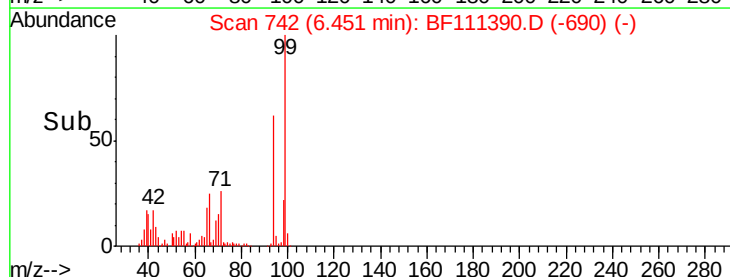
94 100

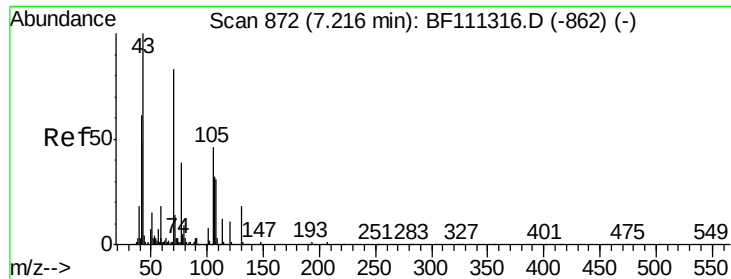
65 29.0 11.7 51.7

66 39.7 21.0 61.0



Abundance Ion 94.00 (93.70 to 94.70): BF1
Ion 65.00 (64.70 to 65.70): BF1
Ion 66.00 (65.70 to 66.70): BF1

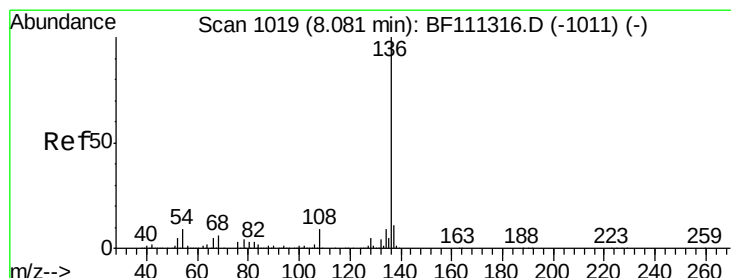
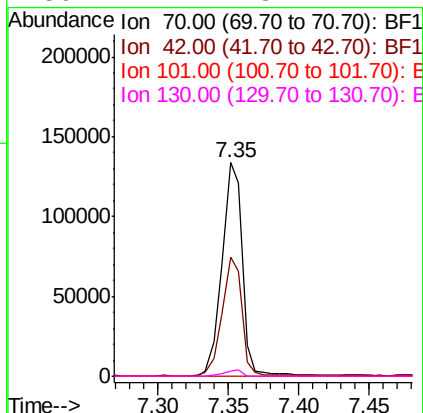
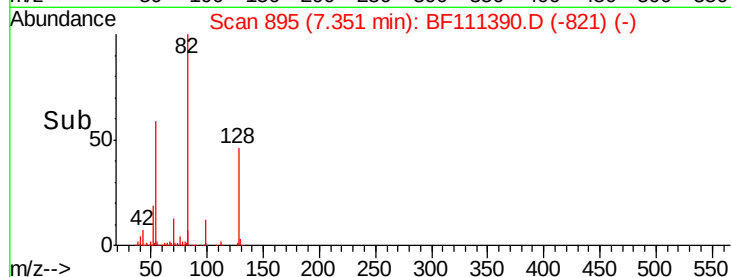
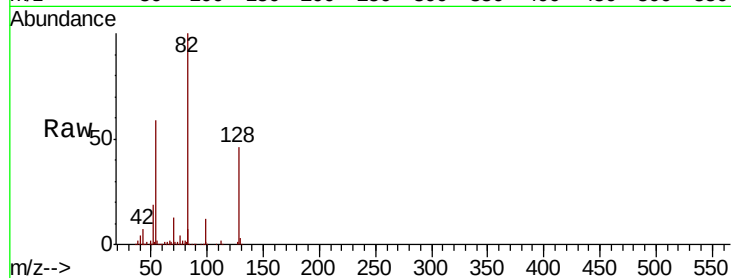




#19
n-Nitroso-di-n-propylamine
Concen: 10.177 ng
RT: 7.35 min Scan# 895
Delta R.T. 0.14 min
Lab File: BF111390.D
Acq: 14 Dec 2018 00:37

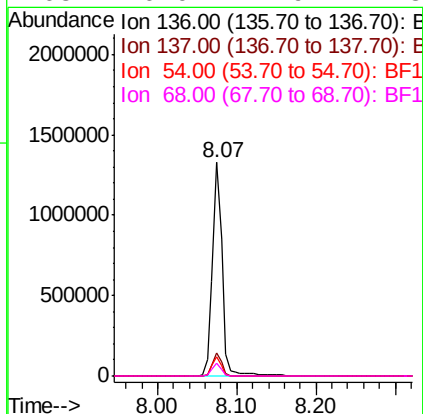
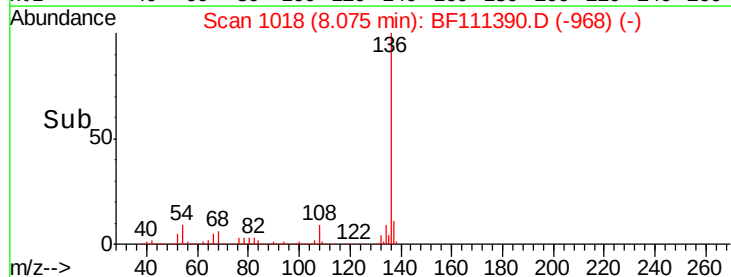
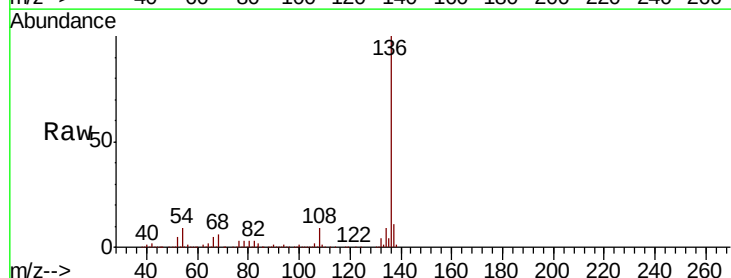
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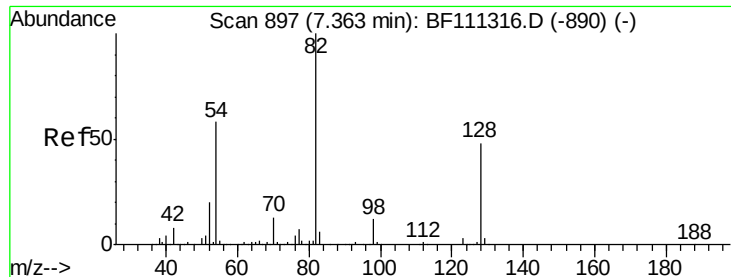
Tgt Ion: 70 Resp: 135193
Ion Ratio Lower Upper
70 100
42 56.0 53.2 79.8
101 0.0 8.2 12.4#
130 2.4 18.1 27.1#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.07 min Scan# 1018
Delta R.T. -0.01 min
Lab File: BF111390.D
Acq: 14 Dec 2018 00:37

Tgt Ion: 136 Resp: 1136012
Ion Ratio Lower Upper
136 100
137 11.0 9.1 13.7
54 9.1 7.7 11.5
68 6.0 4.9 7.3

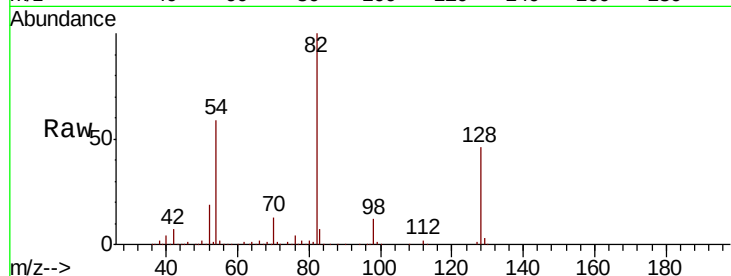




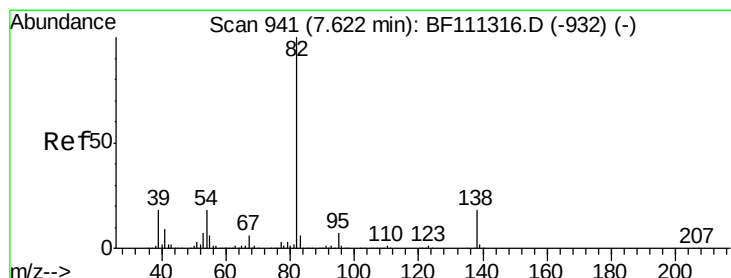
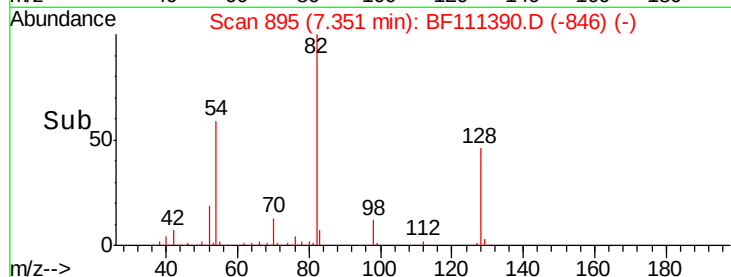
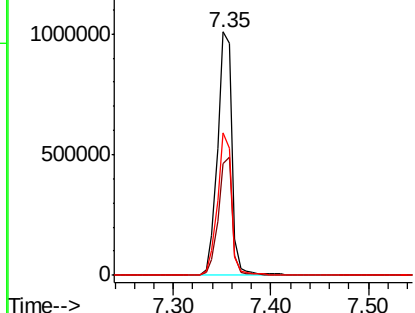
#23
 Nitrobenzene-d5
 Concen: 51.823 ng
 RT: 7.35 min Scan# 895
 Delta R.T. -0.01 min
 Lab File: BF111390.D
 Acq: 14 Dec 2018 00:37

Instrument :
 BNA_F
 ClientSampleId :
 C-1-112918

Tgt Ion: 82 Resp: 1044494
 Ion Ratio Lower Upper
 82 100
 128 45.8 37.4 56.2
 54 58.5 47.6 71.4

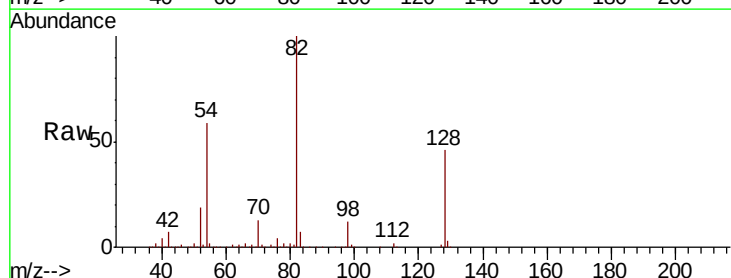


Abundance Ion 82.00 (81.70 to 82.70): BF1
 Ion 128.00 (127.70 to 128.70): BF1
 Ion 54.00 (53.70 to 54.70): BF1

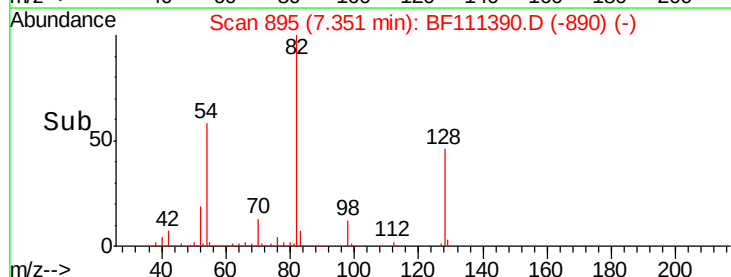
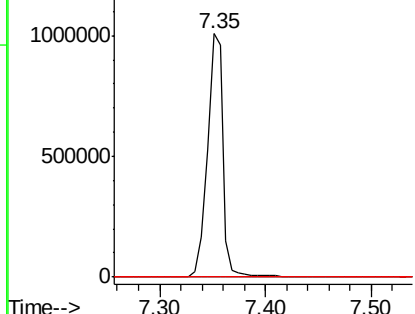


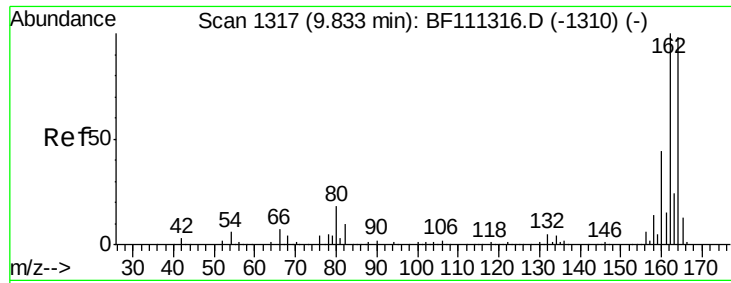
#25
 Isophorone
 Concen: 30.044 ng
 RT: 7.35 min Scan# 895
 Delta R.T. -0.27 min
 Lab File: BF111390.D
 Acq: 14 Dec 2018 00:37

Tgt Ion: 82 Resp: 1028595
 Ion Ratio Lower Upper
 82 100
 95 0.0 5.4 8.2#
 138 0.0 15.1 22.7#



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





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.83 min Scan# 1316

Delta R.T. -0.01 min

Lab File: BF111390.D

Acq: 14 Dec 2018 00:37

Instrument :

BNA_F

ClientSampleId :

C-1-112918

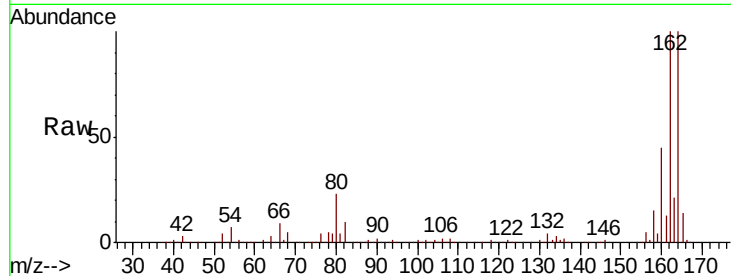
Tgt Ion:164 Resp: 450185

Ion Ratio Lower Upper

164 100

162 99.8 81.4 122.0

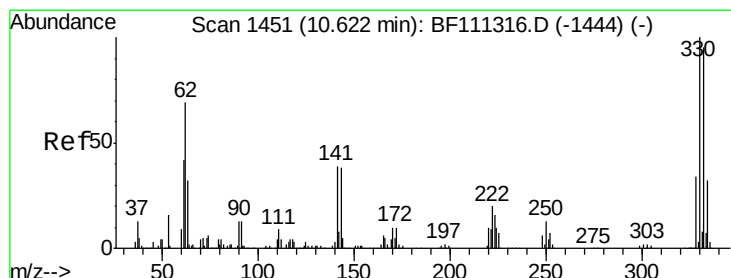
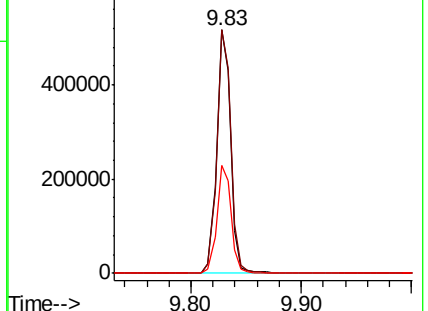
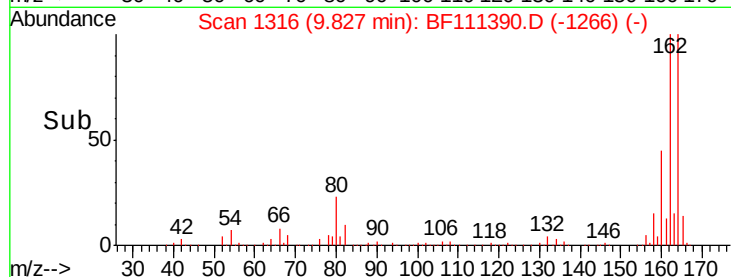
160 44.6 35.7 53.5



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



#42

2,4,6-Tribromophenol

Concen: 70.711 ng

RT: 10.62 min Scan# 1450

Delta R.T. -0.01 min

Lab File: BF111390.D

Acq: 14 Dec 2018 00:37

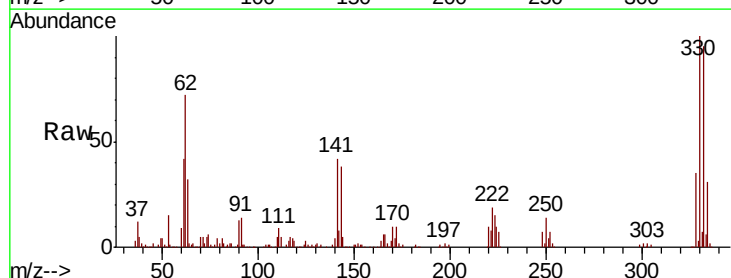
Tgt Ion:330 Resp: 280613

Ion Ratio Lower Upper

330 100

332 94.3 76.0 114.0

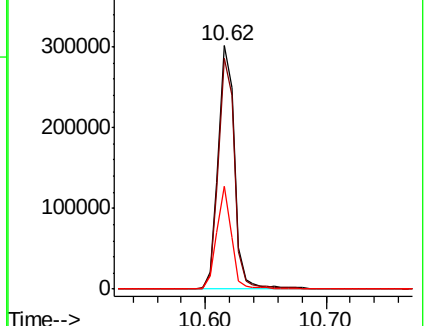
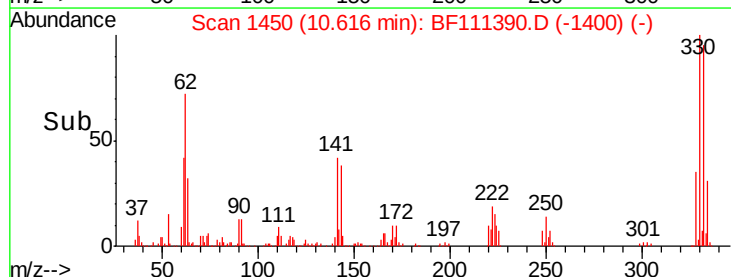
141 38.2 31.0 46.6

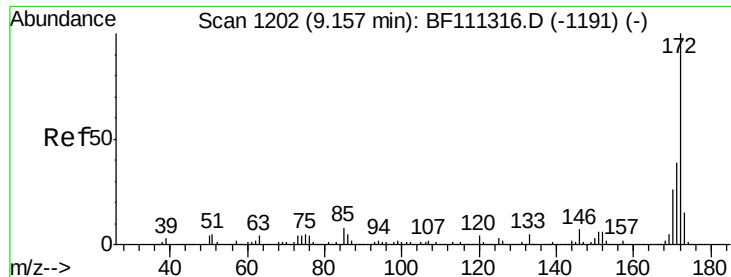


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

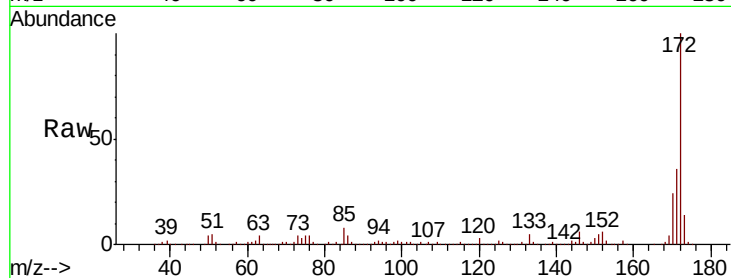




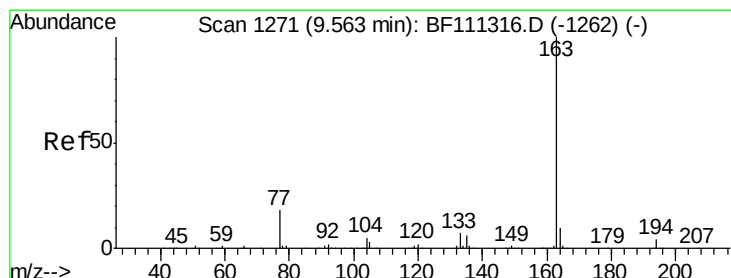
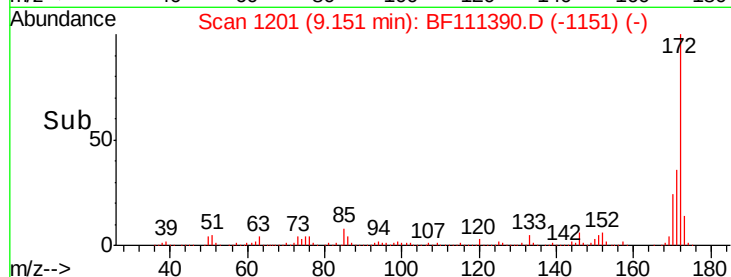
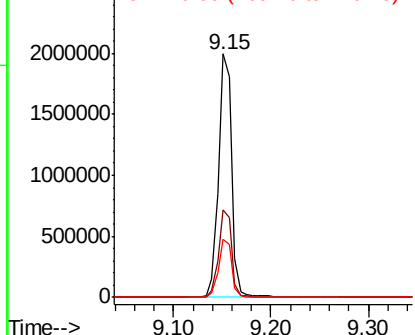
#45
2-Fluorobiphenyl
Concen: 67.261 ng
RT: 9.15 min Scan# 1201
Delta R.T. -0.01 min
Lab File: BF111390.D
Acq: 14 Dec 2018 00:37

Instrument :
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Tgt Ion:172 Resp: 1886033
Ion Ratio Lower Upper
172 100
171 36.1 33.0 49.4
170 24.0 22.3 33.5

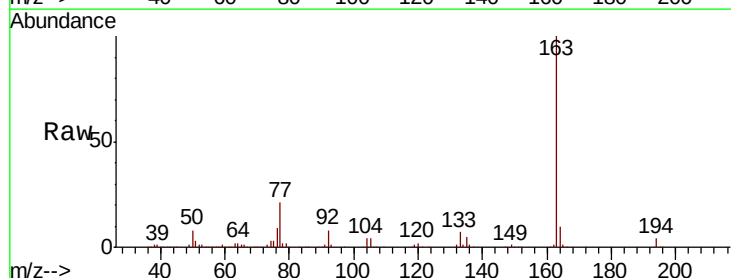


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

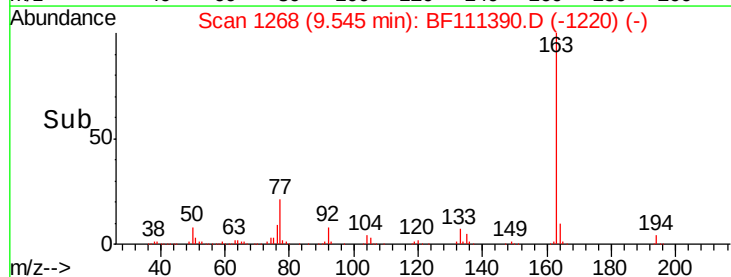
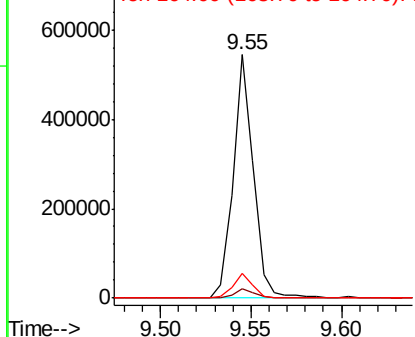


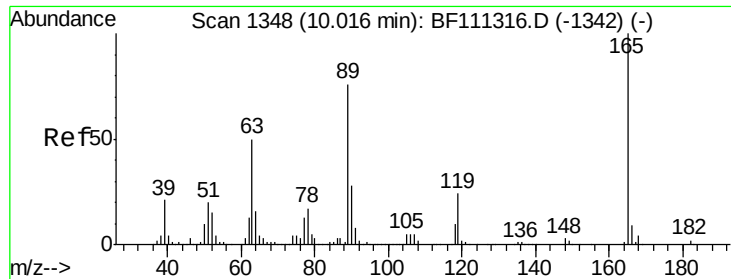
#50
Dimethylphthalate
Concen: 13.128 ng
RT: 9.55 min Scan# 1268
Delta R.T. -0.02 min
Lab File: BF111390.D
Acq: 14 Dec 2018 00:37

Tgt Ion:163 Resp: 424989
Ion Ratio Lower Upper
163 100
194 3.6 3.0 4.6
164 9.9 8.9 13.3



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

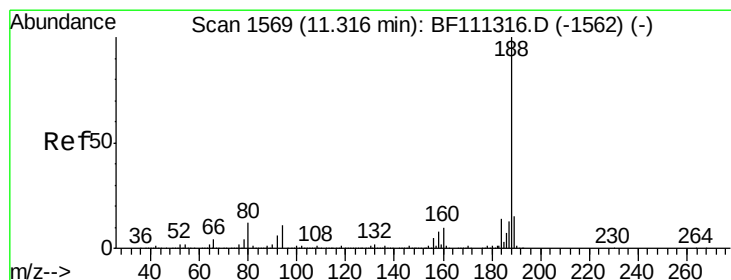
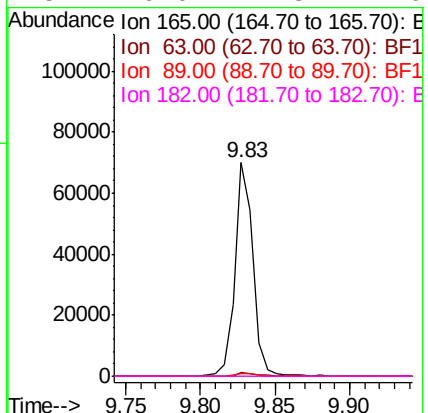
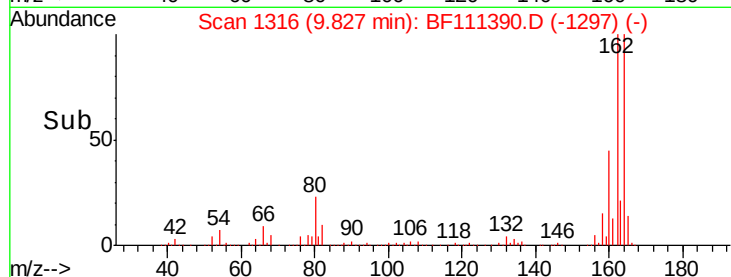
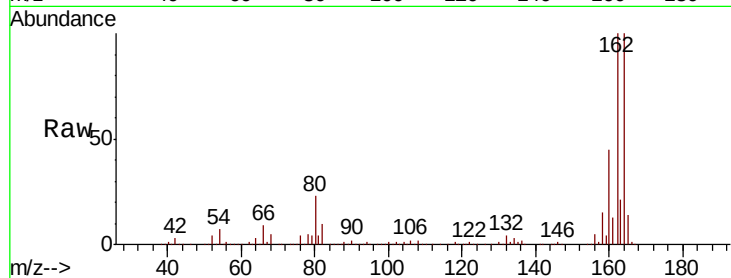




#57
2,4-Dinitrotoluene
Concen: 6.438 ng
RT: 9.83 min Scan# 1316
Delta R.T. -0.19 min
Lab File: BF111390.D
Acq: 14 Dec 2018 00:37

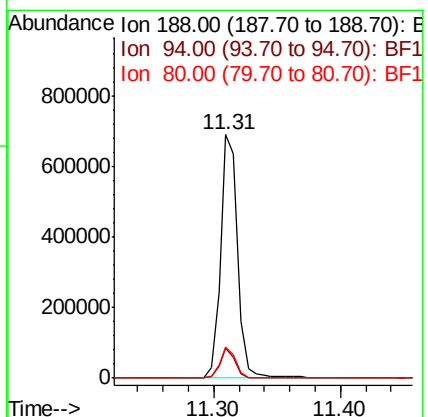
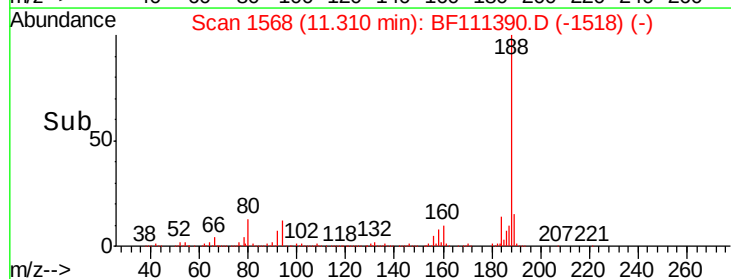
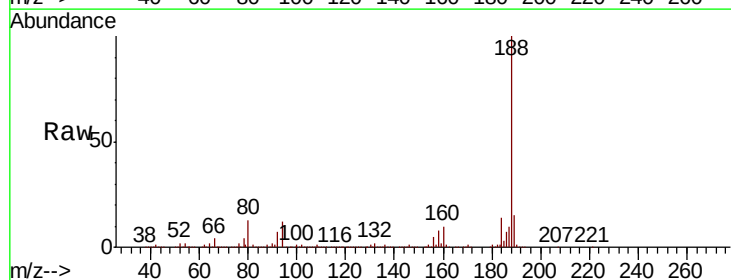
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ClientSampleId :
C-1-112918

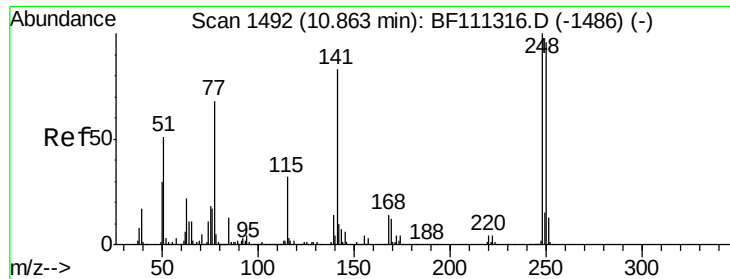
Tgt Ion	Ratio	Lower	Upper
165	100		
63	1.6	34.6	52.0#
89	1.1	56.2	84.4#
182	0.0	1.8	2.6#



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.31 min Scan# 1568
Delta R.T. -0.01 min
Lab File: BF111390.D
Acq: 14 Dec 2018 00:37

Tgt Ion	Ratio	Lower	Upper
188	100		
94	12.1	9.6	14.4
80	12.6	9.8	14.6

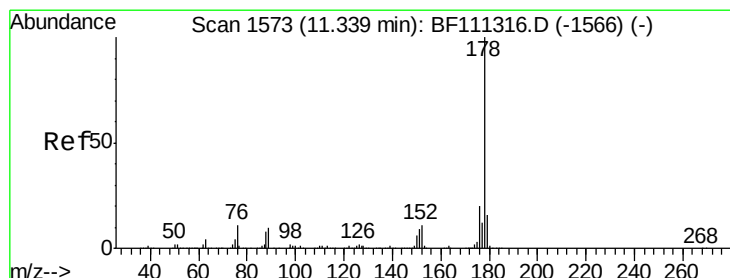
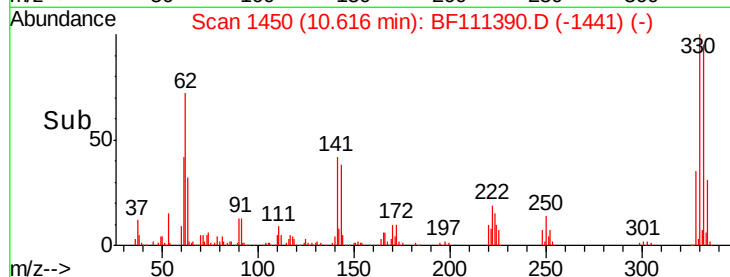
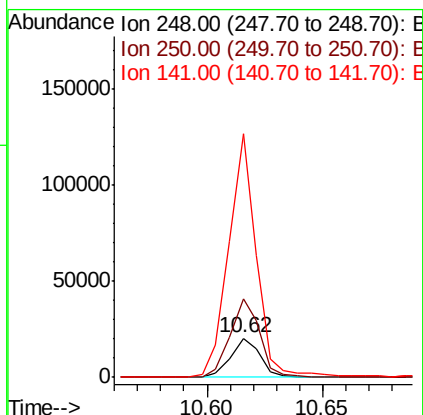
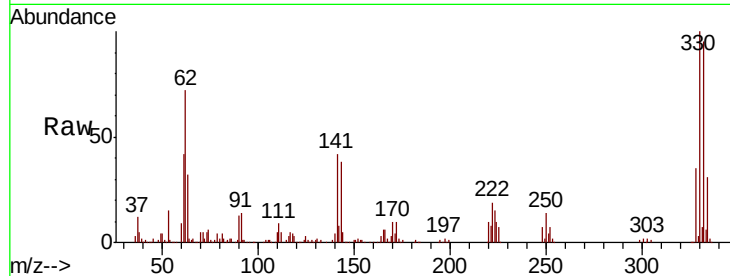




#67
 4-Bromophenyl-phenylether
 Concen: 2.475 ng
 RT: 10.62 min Scan# 1450
 Delta R.T. -0.25 min
 Lab File: BF111390.D
 Acq: 14 Dec 2018 00:37

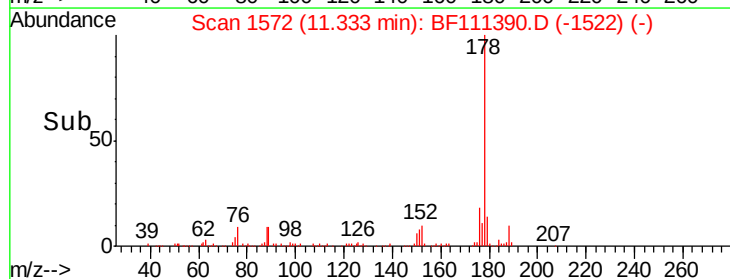
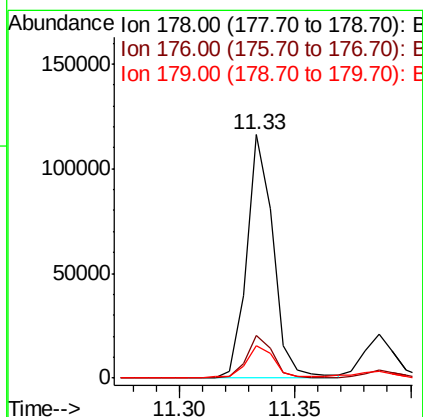
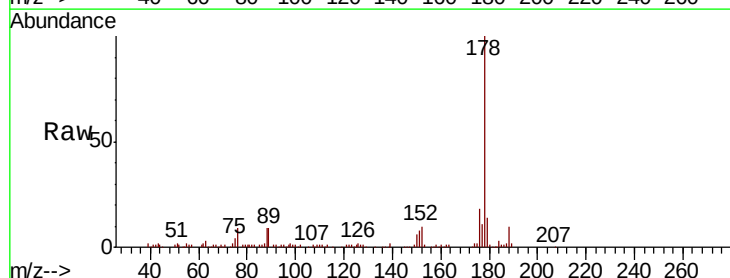
Instrument :
 BNA_F
 ClientSampleId :
 C-1-112918

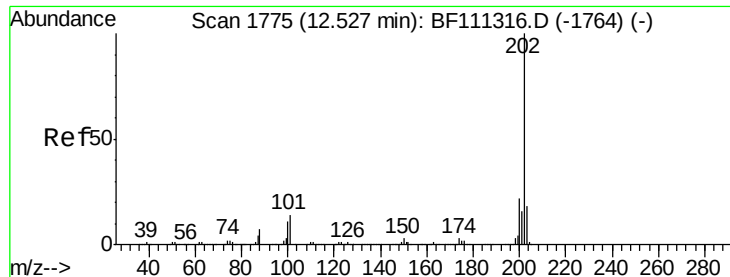
Tgt Ion:248 Resp: 17877
 Ion Ratio Lower Upper
 248 100
 250 201.3 77.0 115.4#
 141 620.3 63.0 94.6#



#71
 Phenanthrene
 Concen: 2.786 ng
 RT: 11.33 min Scan# 1572
 Delta R.T. -0.01 min
 Lab File: BF111390.D
 Acq: 14 Dec 2018 00:37

Tgt Ion:178 Resp: 93424
 Ion Ratio Lower Upper
 178 100
 176 17.7 18.1 27.1#
 179 13.5 14.0 21.0#





#75

Fluoranthene

Concen: 6.300 ng

RT: 12.52 min Scan# 1774

Delta R.T. -0.01 min

Lab File: BF111390.D

Acq: 14 Dec 2018 00:37

Instrument :

BNA_F

ClientSampleId :

C-1-112918

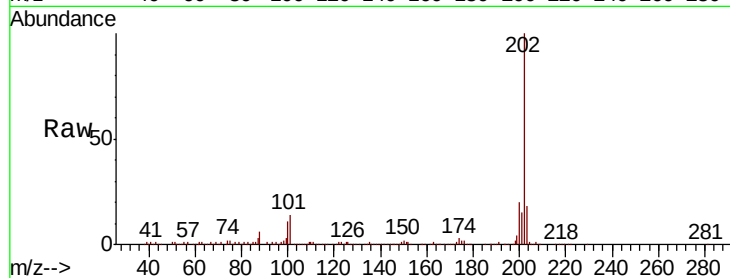
Tgt Ion:202 Resp: 206212

Ion Ratio Lower Upper

202 100

101 13.9 0.0 33.8

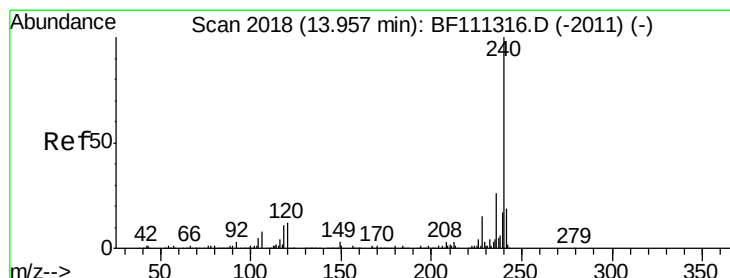
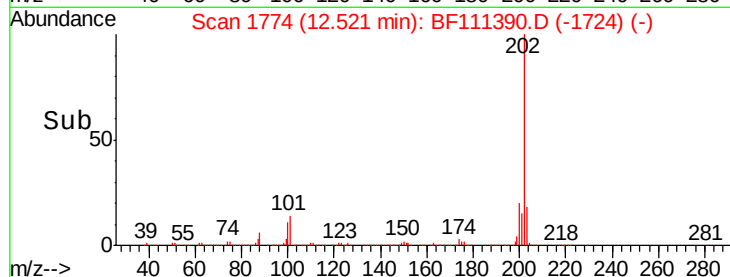
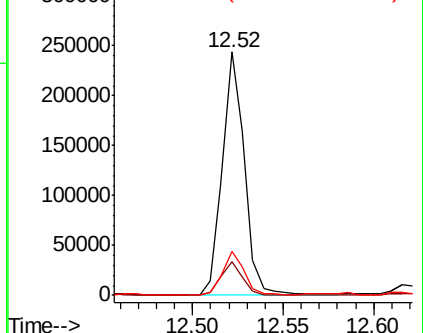
203 17.8 0.0 38.6



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



#76

Chrysene-d12

Concen: 20.000 ng

RT: 13.95 min Scan# 2017

Delta R.T. -0.01 min

Lab File: BF111390.D

Acq: 14 Dec 2018 00:37

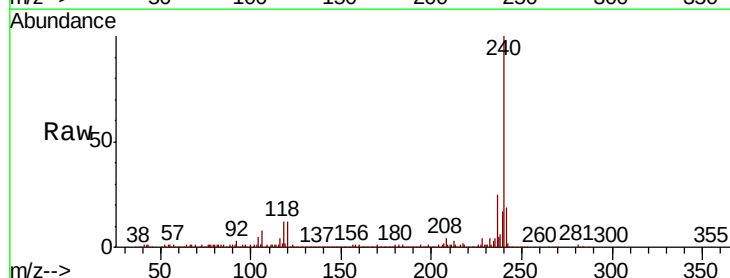
Tgt Ion:240 Resp: 453320

Ion Ratio Lower Upper

240 100

120 12.2 12.2 18.2

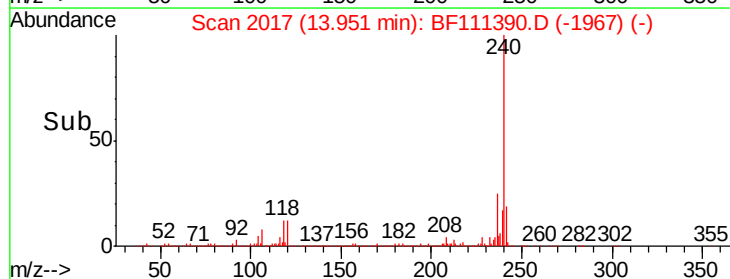
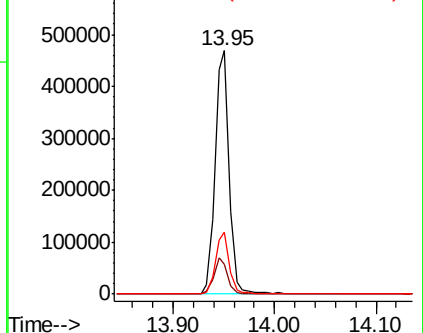
236 25.2 20.2 30.2

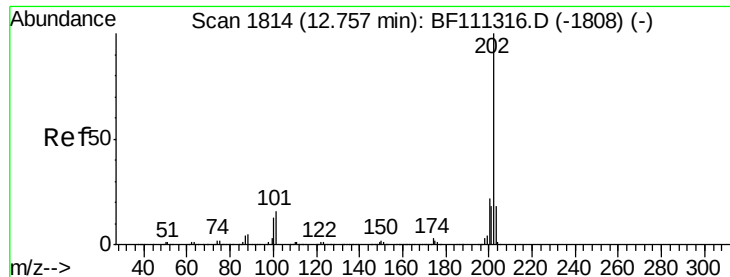


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E

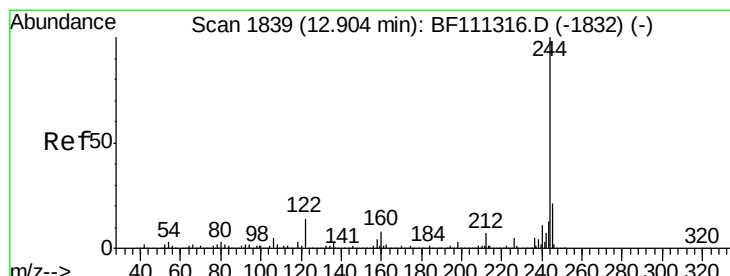
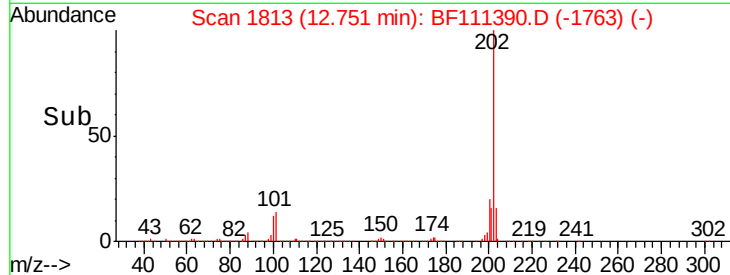
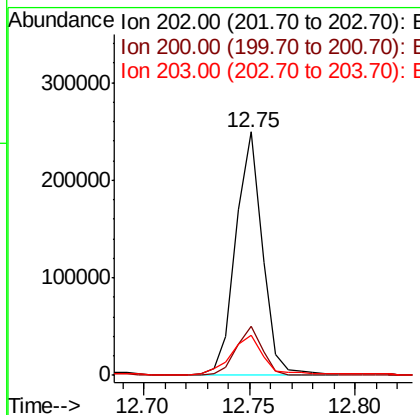
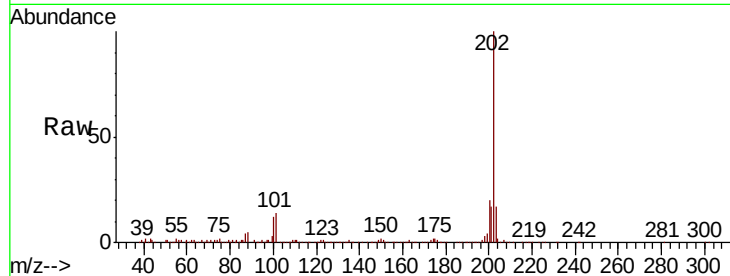




#78
 Pyrene
 Concen: 6.206 ng
 RT: 12.75 min Scan# 1813
 Delta R.T. -0.01 min
 Lab File: BF111390.D
 Acq: 14 Dec 2018 00:37

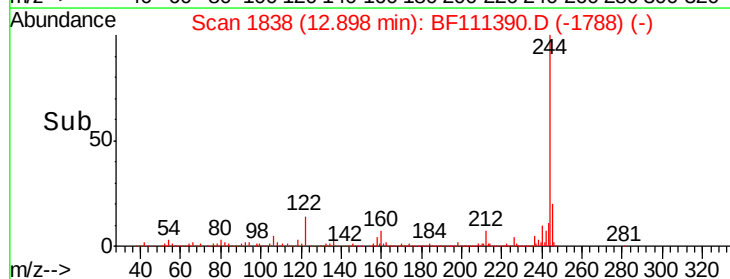
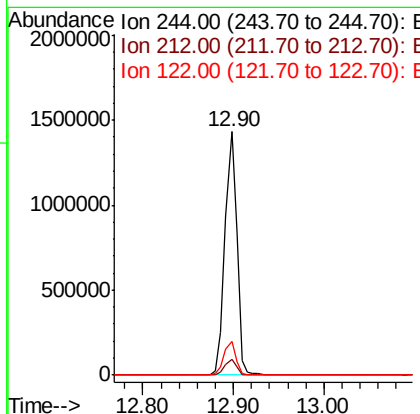
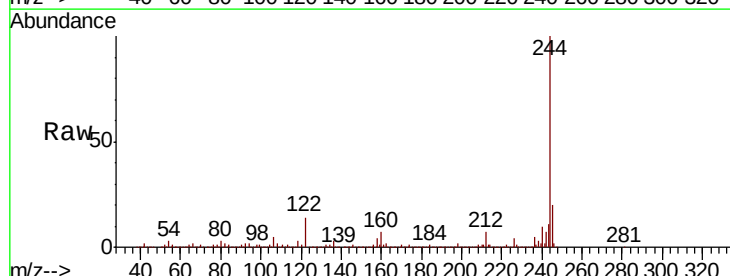
Instrument :
 BNA_F
 ClientSampleId :
 C-1-112918

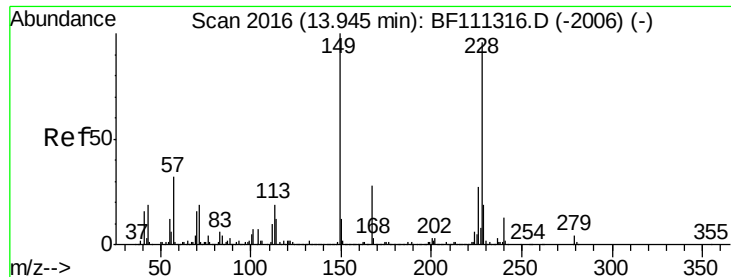
Tgt Ion	Ratio	Lower	Upper
202	100		
200	20.2	19.0	28.4
203	16.6	15.2	22.8



#79
 Terphenyl-d14
 Concen: 62.249 ng
 RT: 12.90 min Scan# 1838
 Delta R.T. -0.01 min
 Lab File: BF111390.D
 Acq: 14 Dec 2018 00:37

Tgt Ion	Ratio	Lower	Upper
244	100		
212	6.5	5.7	8.5
122	13.8	13.1	19.7

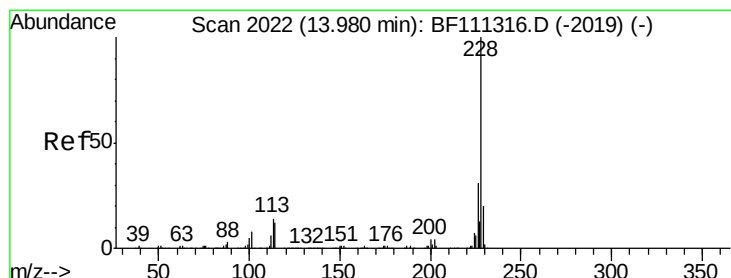
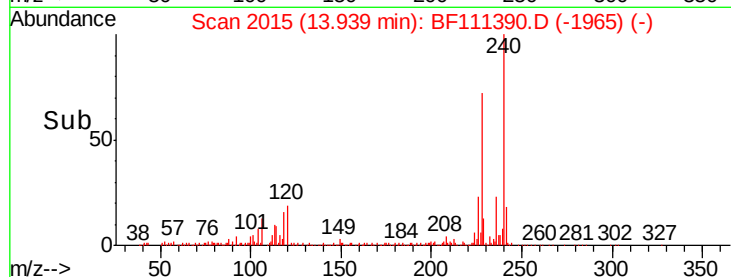
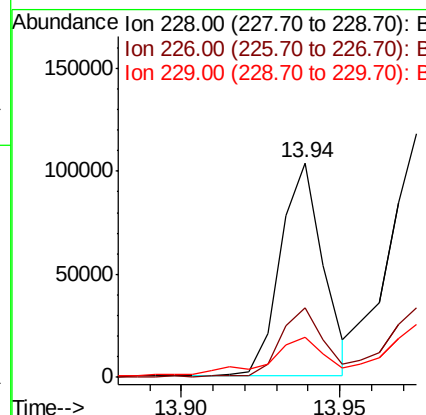
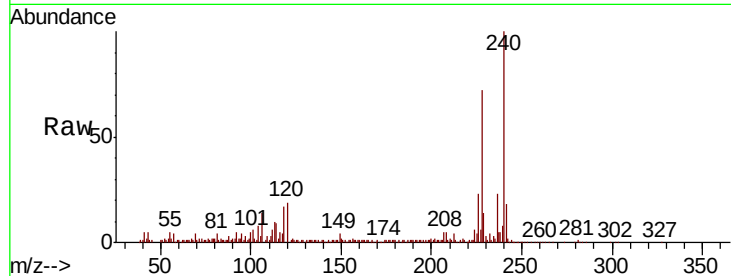




#81
Benzo(a)anthracene
Concen: 3.850 ng
RT: 13.94 min Scan# 2015
Delta R.T. -0.01 min
Lab File: BF111390.D
Acq: 14 Dec 2018 00:37

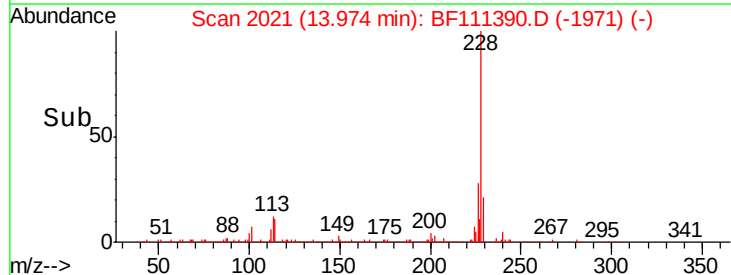
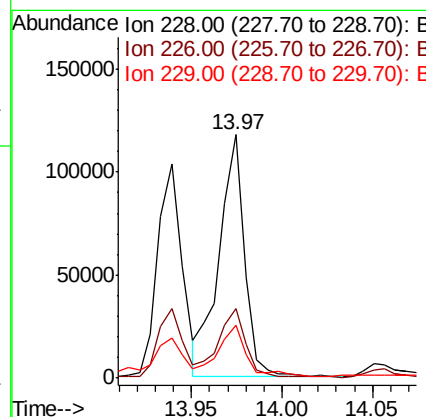
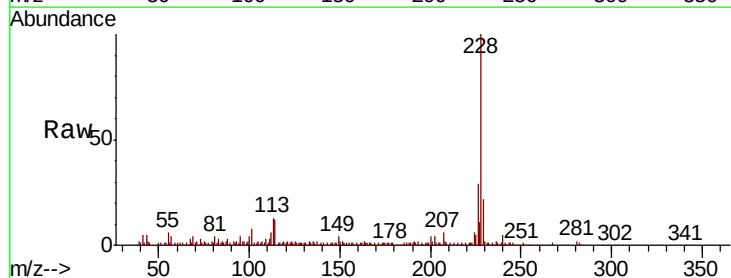
Instrument :
BNA_F
ClientSampleId :
C-1-112918

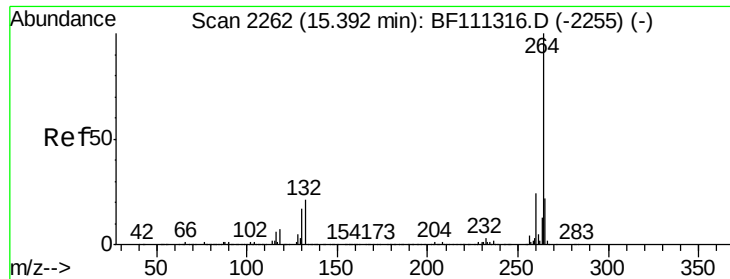
Tgt Ion:228 Resp: 97657
Ion Ratio Lower Upper
228 100
226 32.5 22.6 34.0
229 18.9 16.3 24.5



#83
Chrysene
Concen: 4.485 ng
RT: 13.97 min Scan# 2021
Delta R.T. -0.01 min
Lab File: BF111390.D
Acq: 14 Dec 2018 00:37

Tgt Ion:228 Resp: 116053
Ion Ratio Lower Upper
228 100
226 28.7 25.3 37.9
229 21.5 17.2 25.8

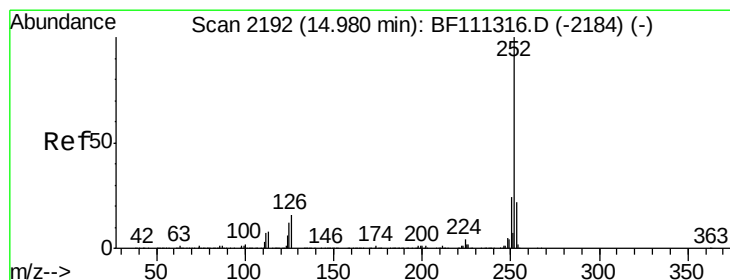
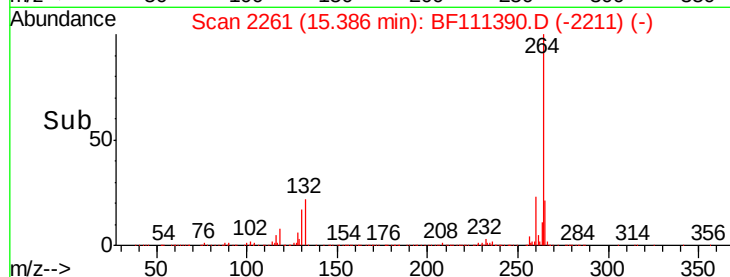
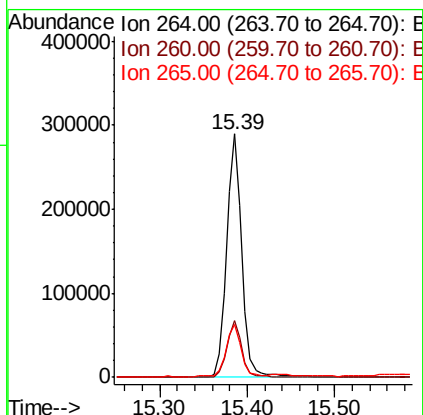
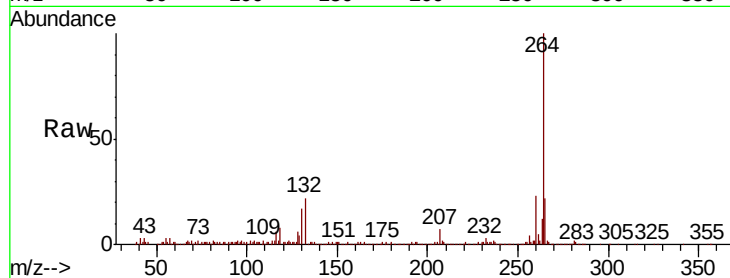




#87
Perylene-d12
Concen: 20.000 ng
RT: 15.39 min Scan# 2261
Delta R.T. -0.01 min
Lab File: BF111390.D
Acq: 14 Dec 2018 00:37

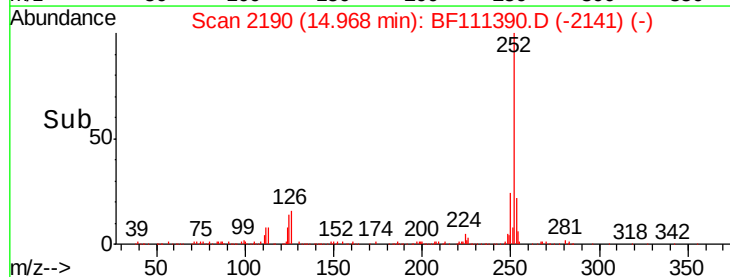
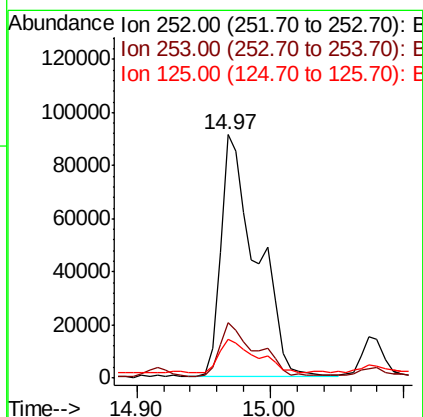
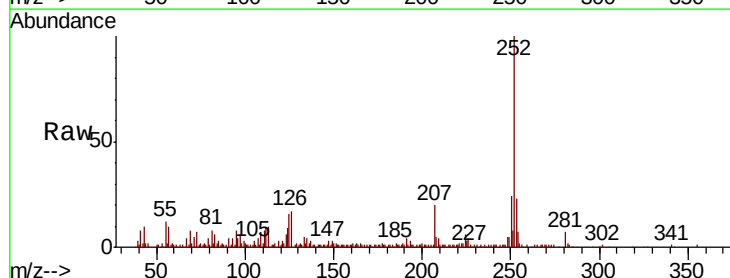
Instrument :
BNA_F
ClientSampleId :
C-1-112918

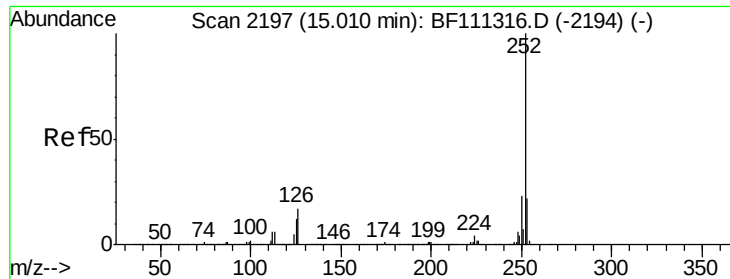
Tgt Ion:264 Resp: 348416
Ion Ratio Lower Upper
264 100
260 23.1 18.3 27.5
265 21.8 17.7 26.5



#88
Benzo(b)fluoranthene
Concen: 8.554 ng
RT: 14.97 min Scan# 2190
Delta R.T. -0.01 min
Lab File: BF111390.D
Acq: 14 Dec 2018 00:37

Tgt Ion:252 Resp: 169465
Ion Ratio Lower Upper
252 100
253 23.0 18.2 27.2
125 15.7 10.4 15.6#

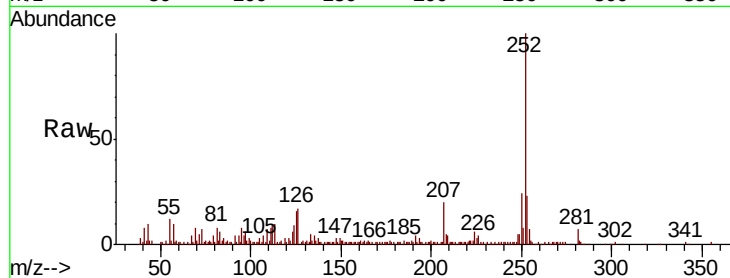




#89
Benzo(k)fluoranthene
Concen: 8.569 ng
RT: 14.97 min Scan# 2190
Delta R.T. -0.04 min
Lab File: BF111390.D
Acq: 14 Dec 2018 00:37

Instrument :
BNA_F
ClientSampleId :
C-1-112918

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.0	18.1	27.1
125	15.7	9.8	14.8

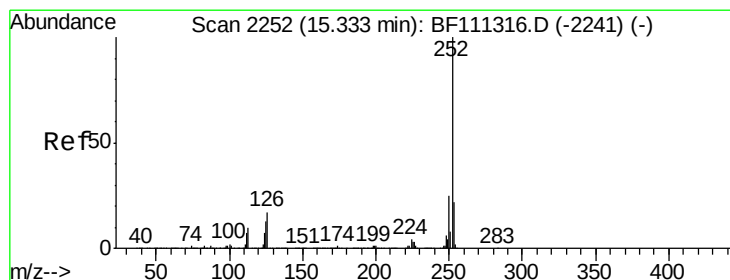
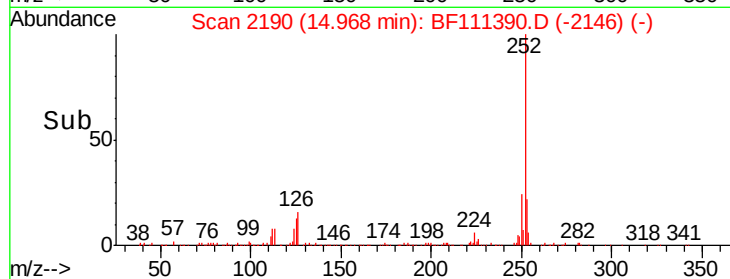
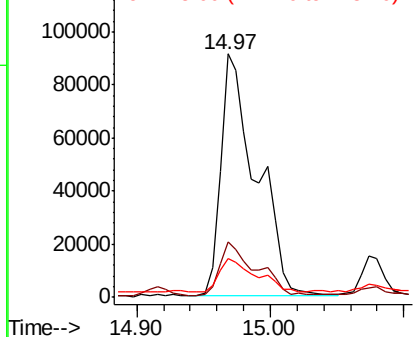


Abundance

Ion 252.00 (251.70 to 252.70): E

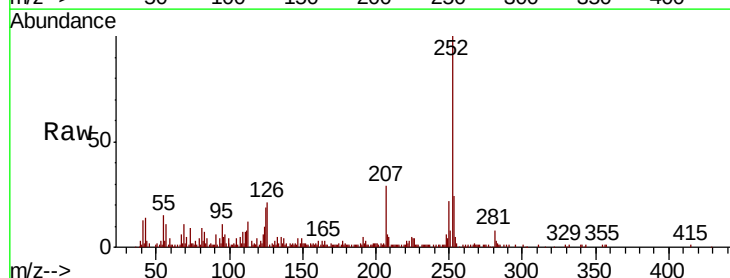
Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



#90
Benzo(a)pyrene
Concen: 4.527 ng
RT: 15.32 min Scan# 2250
Delta R.T. -0.01 min
Lab File: BF111390.D
Acq: 14 Dec 2018 00:37

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.6	17.8	26.8
125	18.6	12.3	18.5

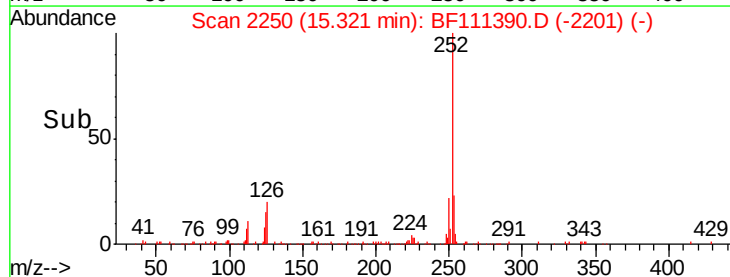
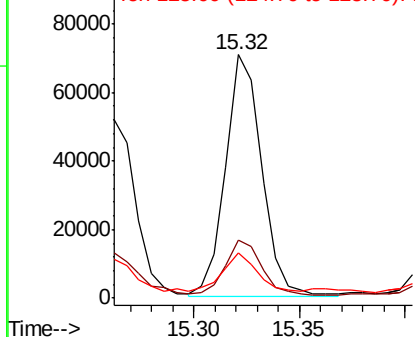


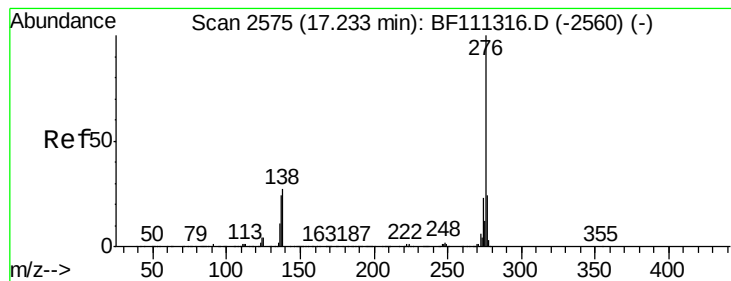
Abundance

Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#92

Benzo(g,h,i)perylene

Concen: 3.681 ng

RT: 17.22 min Scan# 2572

Delta R.T. -0.02 min

Lab File: BF111390.D

Acq: 14 Dec 2018 00:37

Instrument :

BNA_F

ClientSampleId :

C-1-112918

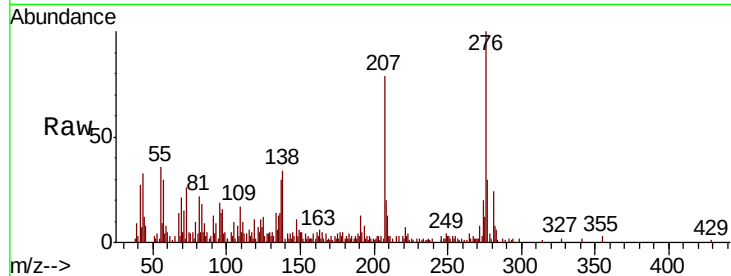
Tgt Ion: 276 Resp: 56478

Ion Ratio Lower Upper

276 100

277 29.9 19.2 28.8#

138 33.7 24.9 37.3



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

