

Data Path : Z:\HPCHEM1\BNA F\DATA\BF021318\
 Data File : BF102973.D
 Acq On : 13 Feb 2018 20:28
 Operator : SJ/JU
 Sample : J1537-06
 Misc :
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SB-03-COMP

Manual Integrations
 APPROVED

Sohil
 2/14/2018 10:29:49 AM

Quant Time: Feb 14 02:36:47 2018
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF020318.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Feb 05 00:38:27 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.87	152	155369	20.00	ng	0.00
21) Naphthalene-d8	8.16	136	610646	20.00	ng	0.00
38) Acenaphthene-d10	9.91	164	229589	20.00	ng	0.00
63) Phenanthrene-d10	11.40	188	351563	20.00	ng	0.00
75) Chrysene-d12	14.04	240	240041	20.00	ng	0.00
86) Perylene-d12	15.53	264	176738	20.00	ng	0.03
System Monitoring Compounds						
5) 2-Fluorophenol	5.50	112	1253742	122.55	ng	0.01
7) Phenol-d6	6.51	99	1466568	119.06	ng	0.01
23) Nitrobenzene-d5	7.44	82	904926	102.80	ng	0.00
41) 2,4,6-Tribromophenol	10.70	330	235781	127.59	ng	0.00
44) 2-Fluorobiphenyl	9.23	172	1276485	92.26	ng	0.00
78) Terphenyl-d14	12.99	244	930967	91.83	ng	0.00
Target Compounds						
10) Phenol	6.52	94	107249	8.124	ng	98
49) Dimethylphthalate	9.62	163	100001	5.586	ng	100
51) Acenaphthene	9.95	154	30365	2.147	ng	95
57) Fluorene	10.46	166	37082	2.558	ng	98
70) Phenanthrene	11.42	178	143723	7.340	ng	100
71) Anthracene	11.47	178	54275	2.725	ng	97
74) Fluoranthene	12.62	202	224557	11.399	ng	98
77) Pyrene	12.84	202	266915	14.180	ng	98
80) Benzo(a)anthracene	14.03	228	98079	6.497	ng	# 92
82) Chrysene	14.07	228	102734	6.751	ng	# 94
85) Indeno(1,2,3-cd)pyrene	17.02	276	45644	3.616	ng	97
87) Benzo(b)fluoranthene	15.09	252	101366m	8.846	ng	
88) Benzo(k)fluoranthene	15.12	252	33534m	3.063	ng	
89) Benzo(a)pyrene	15.46	252	78087	7.571	ng	# 71
91) Benzo(a,h,i)perylene	17.48	276	46984	5.734	ng	# 87

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

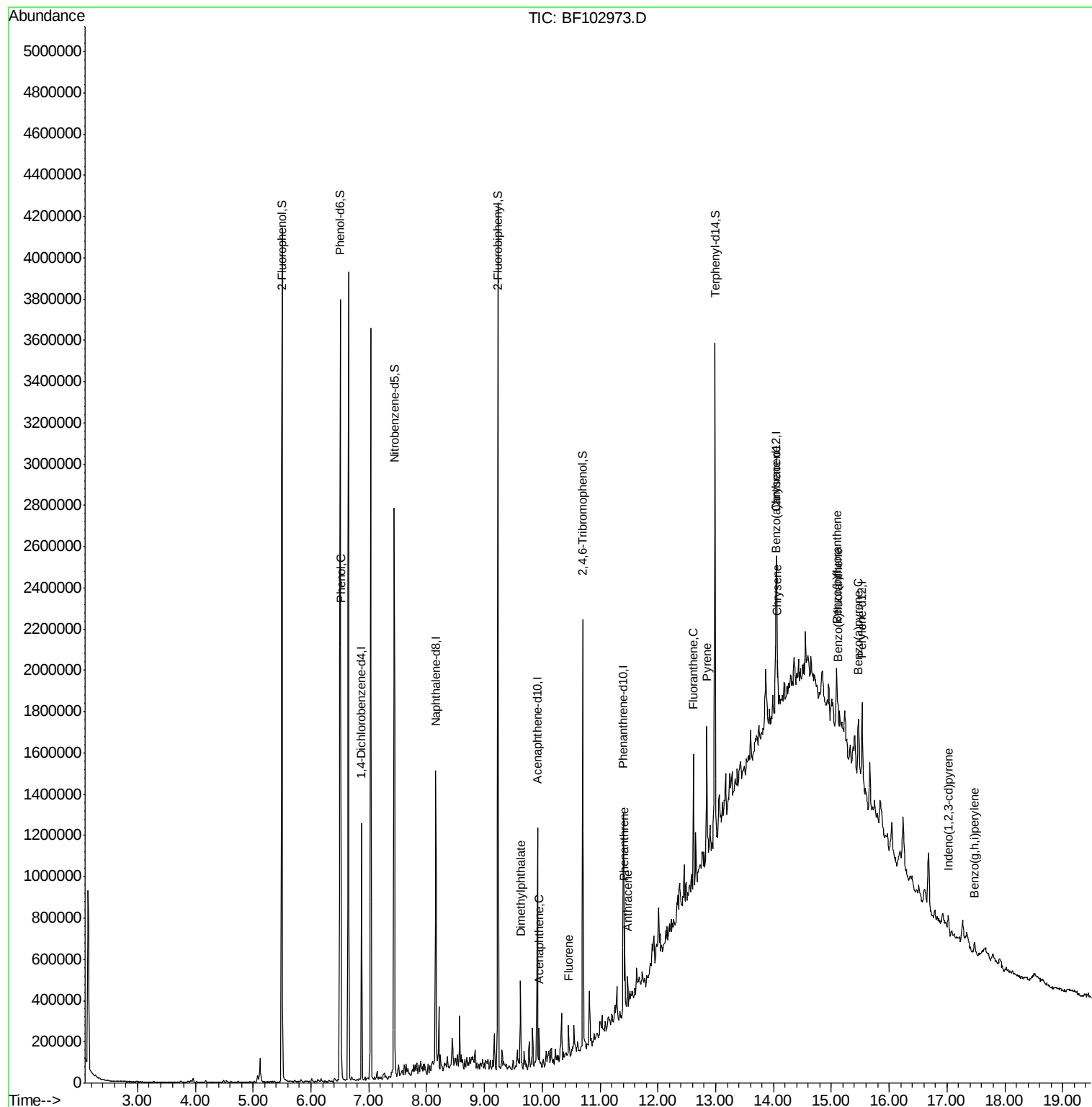
Data Path : Z:\HPCHEM1\BNA F\DATA\BF021318\
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#1

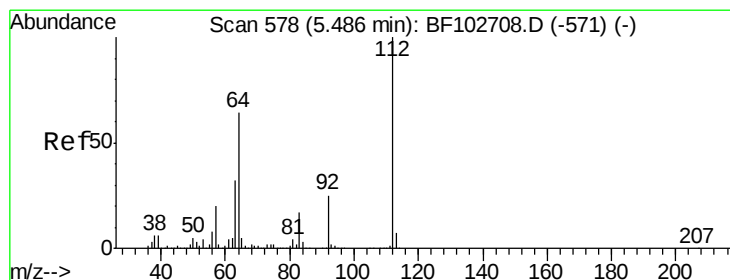
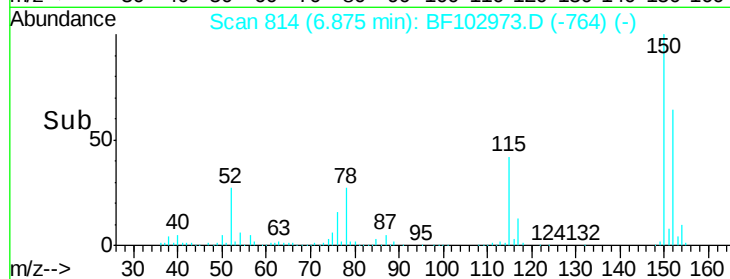
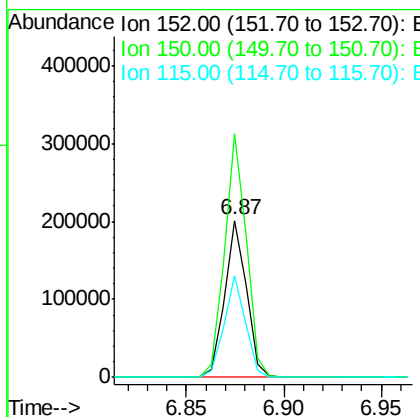
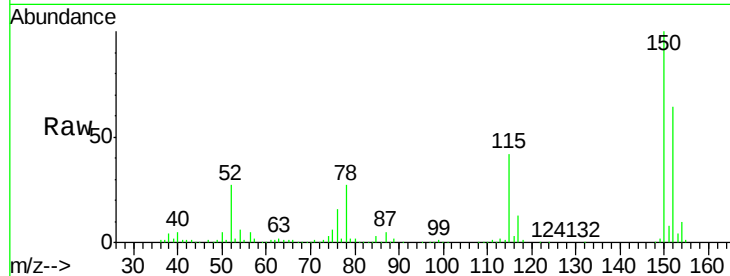
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.87 min Scan# 814
Delta R.T. -0.01 min
Lab File: BF102973.D
Acq: 13 Feb 2018 20:28

Instrument :
BNA_F
ClientSampleId :
SB-03-COMP

Tot Ion	Ratio	Lower	Upper
152	100		
150	155.0	124.6	186.8
115	64.7	50.1	75.1

Manual Integrations
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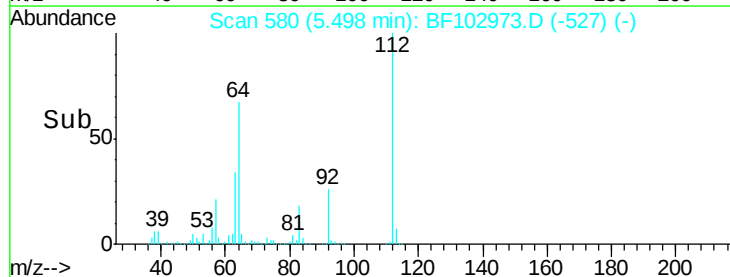
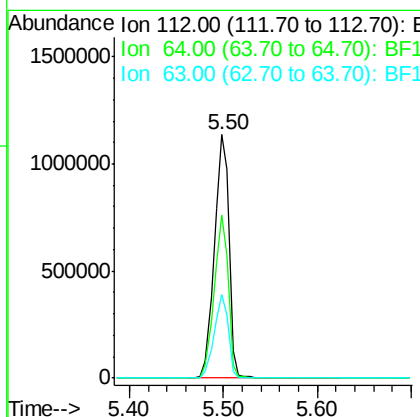
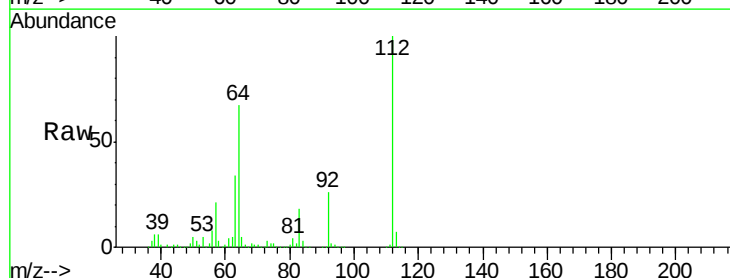
Sohil
2/14/2018 10:29:49 AM

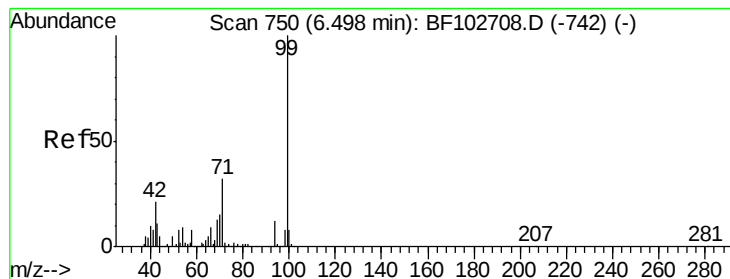


#5

2-Fluorophenol
Concen: 122.548 ng
RT: 5.50 min Scan# 580
Delta R.T. 0.01 min
Lab File: BF102973.D
Acq: 13 Feb 2018 20:28

Tgt Ion	Ratio	Lower	Upper
112	100		
64	67.1	47.9	71.9
63	34.3	23.7	35.5





#7

Phenol-d6

Concen: 119.055 ng

RT: 6.51 min Scan# 752

Delta R.T. 0.01 min

Lab File: BF102973.D

Acq: 13 Feb 2018 20:28

Instrument :

BNA_F

ClientSampleId :

SB-03-COMP

Tot Ion: 99 Resp: 1466568

Ion Ratio Lower Upper

99 100

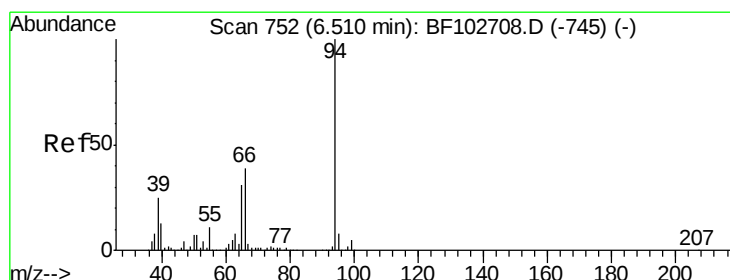
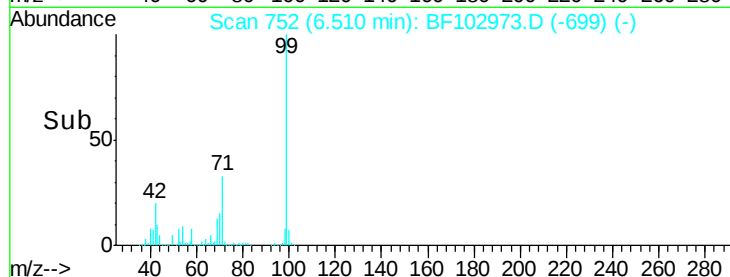
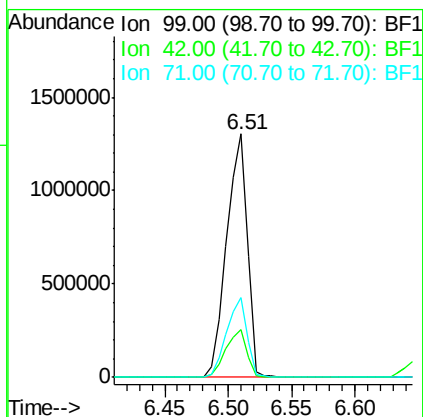
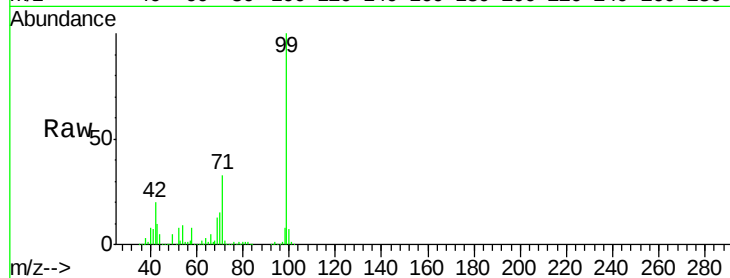
42 19.6 14.5 21.7

71 33.0 25.4 38.0

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#10

Phenol

Concen: 8.124 ng

RT: 6.52 min Scan# 754

Delta R.T. 0.01 min

Lab File: BF102973.D

Acq: 13 Feb 2018 20:28

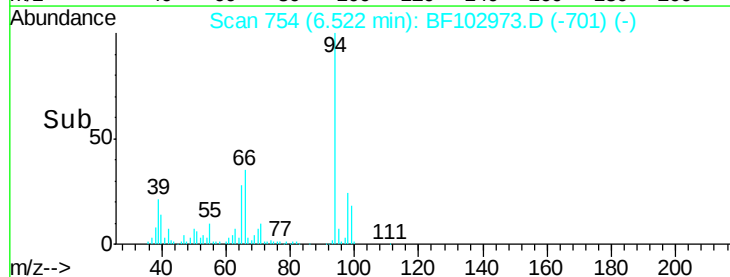
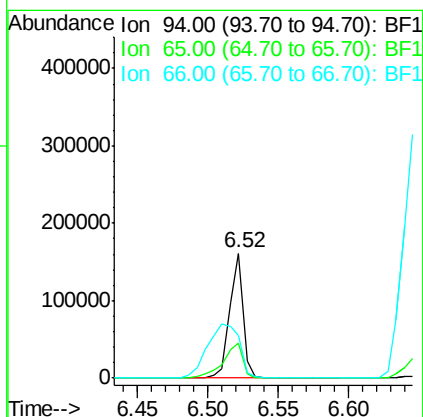
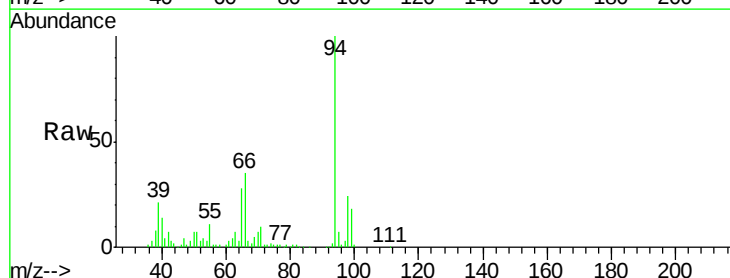
Tgt Ion: 94 Resp: 107249

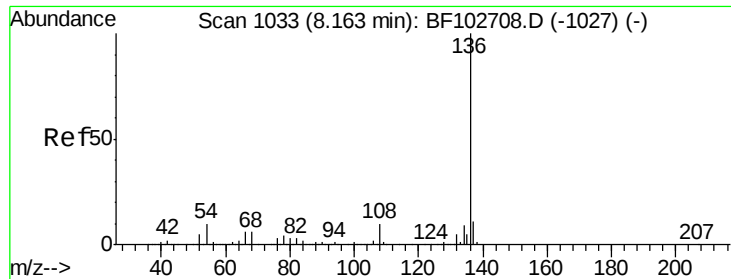
Ion Ratio Lower Upper

94 100

65 27.7 7.9 47.9

66 34.7 16.2 56.2





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.16 min Scan# 1032

Delta R.T. -0.01 min

Lab File: BF102973.D

Acq: 13 Feb 2018 20:28

Instrument :

BNA_F

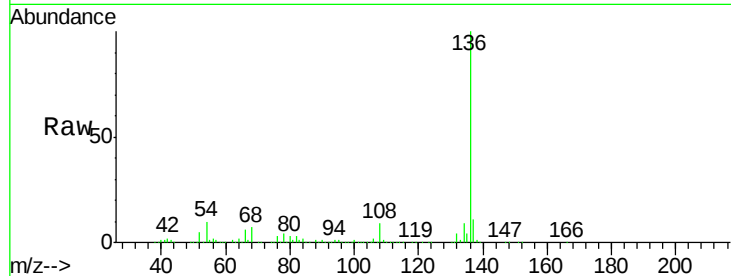
ClientSampleId :

SB-03-COMP

Tot Ion	Ion	Ratio	Resp	Lower	Upper
136	100		610646		
137	10.8		8.9	13.3	
54	10.1		6.6	9.8	
68	6.8		5.0	7.4	

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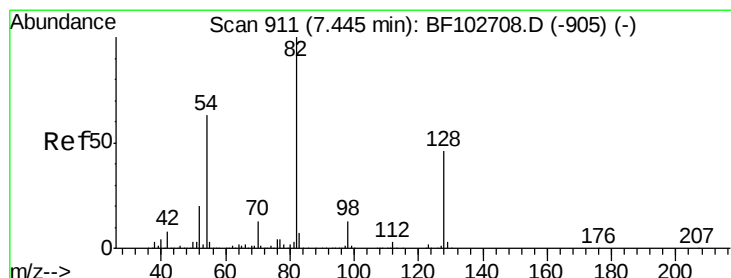
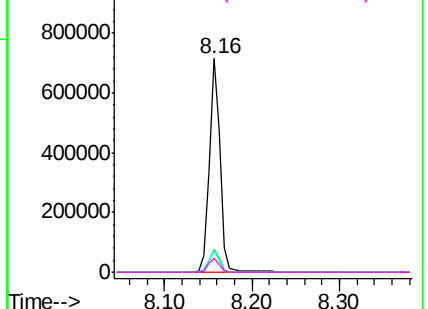
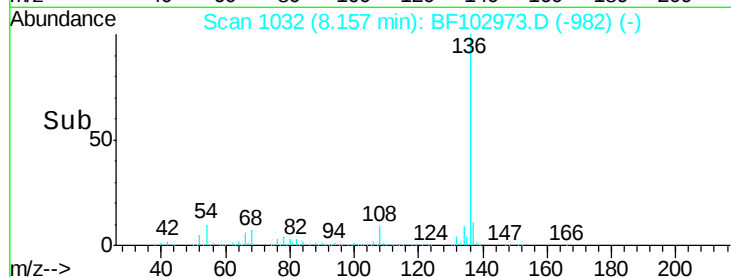


Abundance Ion 136.00 (135.70 to 136.70): E

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: 102.801 ng

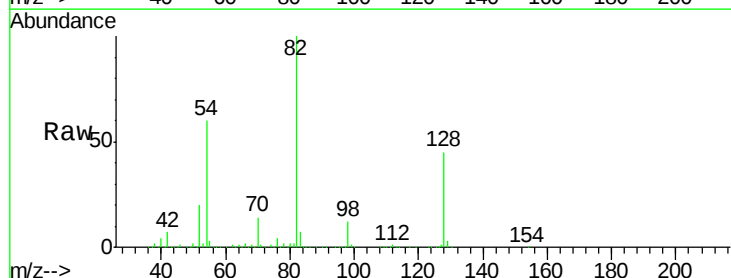
RT: 7.44 min Scan# 910

Delta R.T. -0.01 min

Lab File: BF102973.D

Acq: 13 Feb 2018 20:28

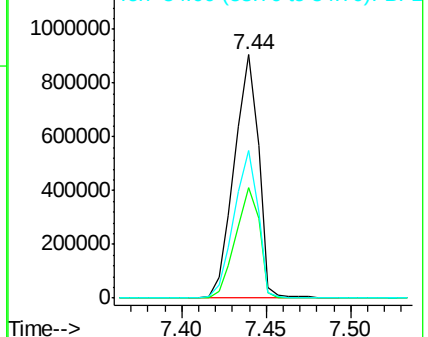
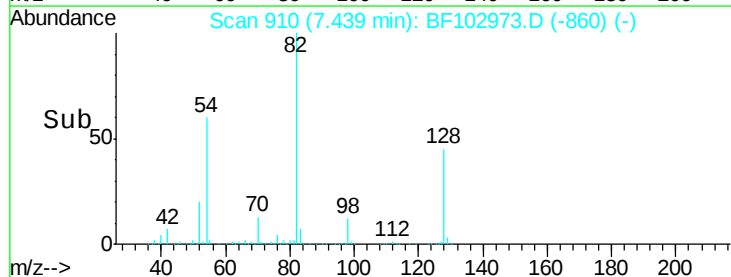
Tgt Ion	Ion	Ratio	Resp	Lower	Upper
82	100		904926		
128	45.4		36.1	54.1	
54	60.4		41.4	62.2	

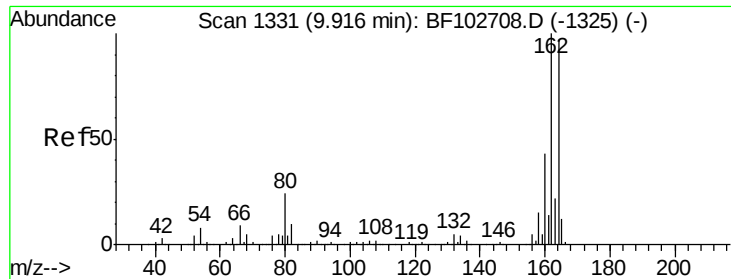


Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF1





#38

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.91 min Scan# 1330

Delta R.T. -0.01 min

Lab File: BF102973.D

Acq: 13 Feb 2018 20:28

Instrument :

BNA_F

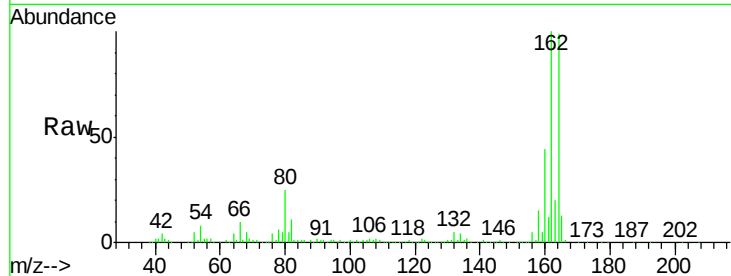
ClientSampleId :

SB-03-COMP

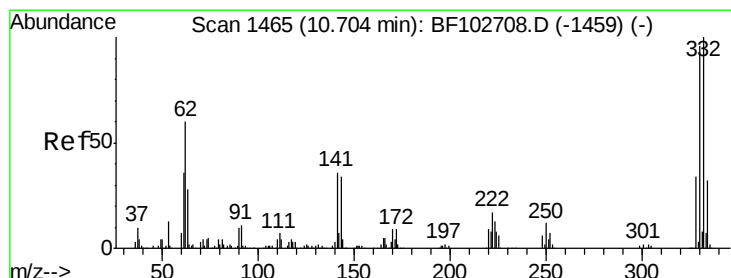
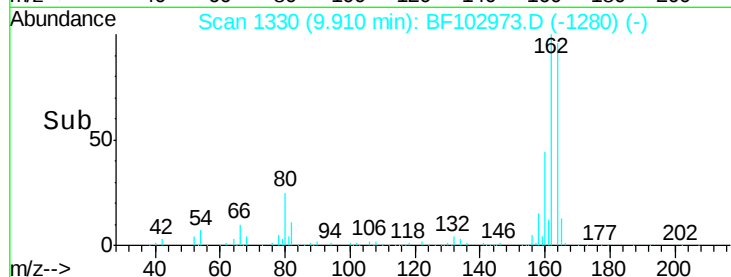
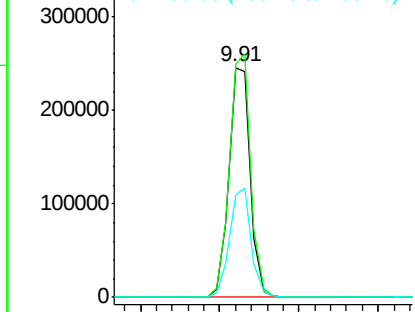
Tot Ion:	164	Resp:	229589
Ion Ratio	Lower	Upper	
164	100		
162	101.5	86.1	129.1
160	44.7	38.3	57.5

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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: 127.592 ng

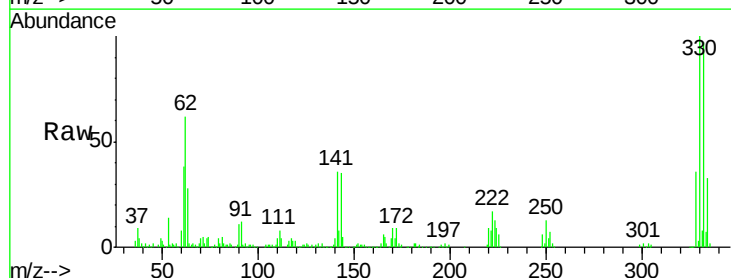
RT: 10.70 min Scan# 1465

Delta R.T. 0.00 min

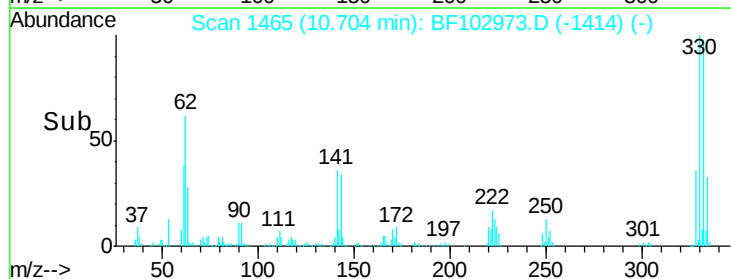
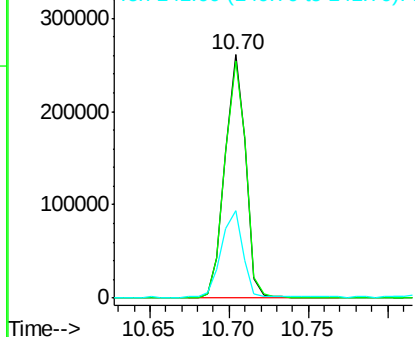
Lab File: BF102973.D

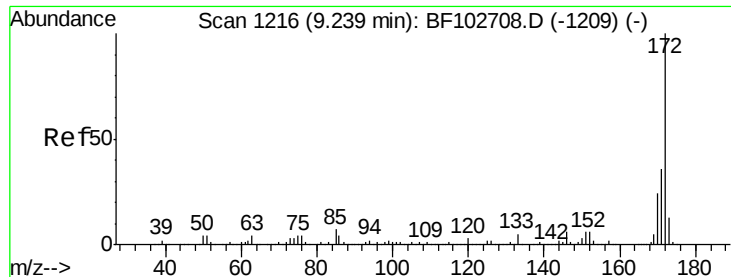
Acq: 13 Feb 2018 20:28

Tgt Ion:	330	Resp:	235781
Ion Ratio	Lower	Upper	
330	100		
332	99.6	77.0	115.6
141	37.5	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





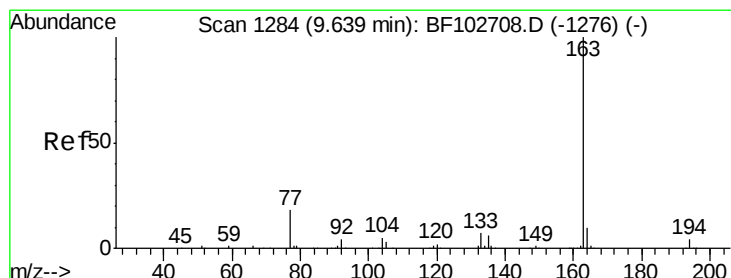
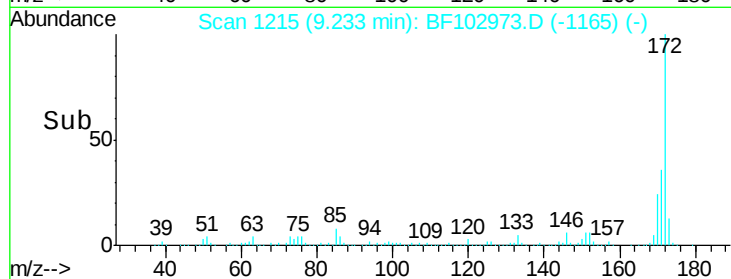
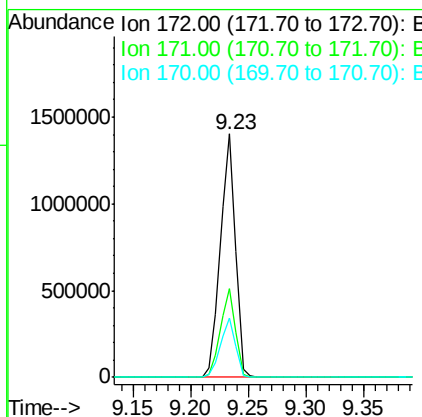
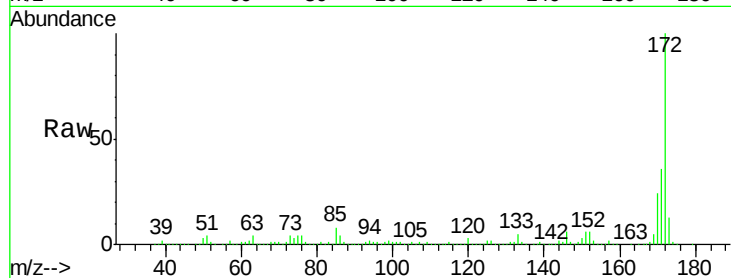
#44
2-Fluorobiphenyl
Concen: 92.258 ng
RT: 9.23 min Scan# 1215
Delta R.T. -0.01 min
Lab File: BF102973.D
Acq: 13 Feb 2018 20:28

Instrument :
BNA_F
ClientSampleId :
SB-03-COMP

Tot Ion	Ratio	Lower	Upper
172	100		
171	36.3	29.7	44.5
170	24.5	19.6	29.4

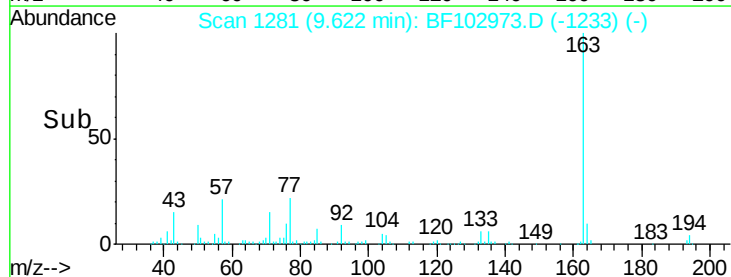
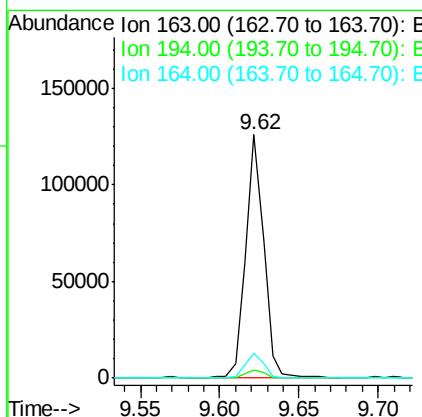
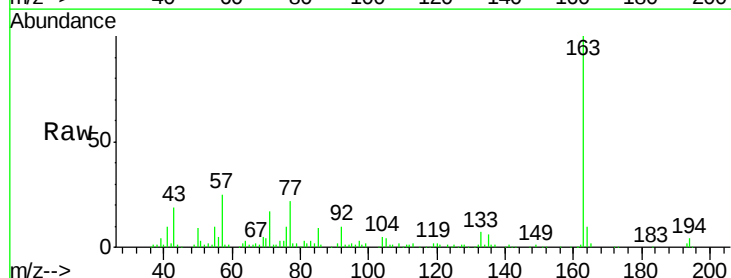
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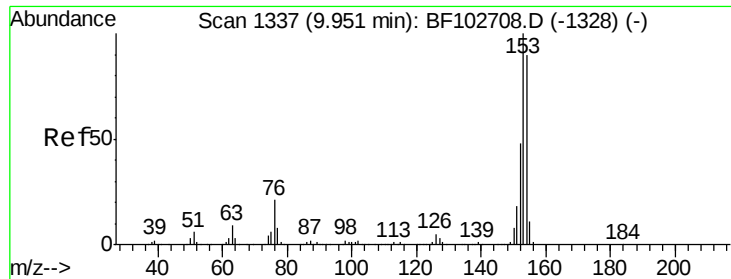
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#49
Dimethylphthalate
Concen: 5.586 ng
RT: 9.62 min Scan# 1281
Delta R.T. -0.02 min
Lab File: BF102973.D
Acq: 13 Feb 2018 20:28

Tgt Ion	Ratio	Lower	Upper
163	100		
194	3.6	2.7	4.1
164	10.3	8.2	12.2





#51

Acenaphthene

Concen: 2.147 ng

RT: 9.95 min Scan# 1336

Delta R.T. -0.01 min

Lab File: BF102973.D

Acq: 13 Feb 2018 20:28

Instrument :

BNA_F

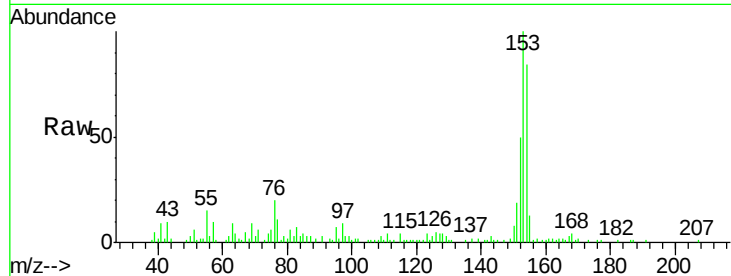
ClientSampleId :

SB-03-COMP

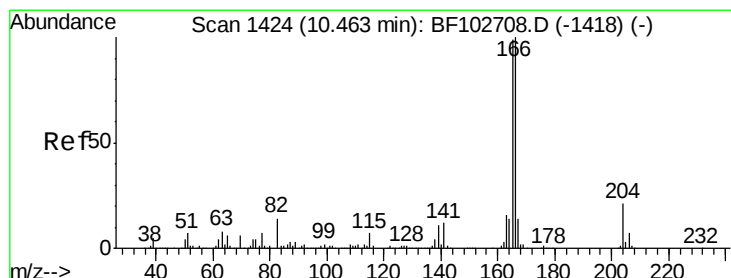
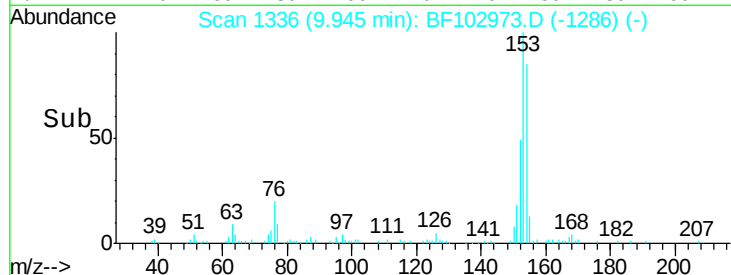
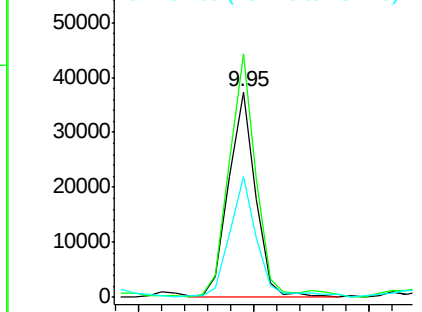
Tot Ion:	154	Resp:	30365
Ion Ratio	Lower	Upper	
154	100		
153	118.4	91.2	136.8
152	58.7	43.8	65.8

Manual Integrations
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Abundance Ion 154.00 (153.70 to 154.70): E
Ion 153.00 (152.70 to 153.70): E
Ion 152.00 (151.70 to 152.70): E



#57

Fluorene

Concen: 2.558 ng

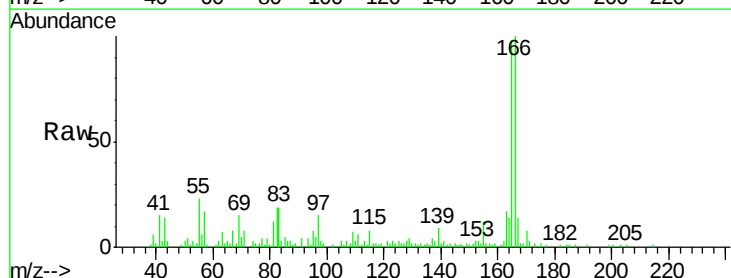
RT: 10.46 min Scan# 1423

Delta R.T. -0.01 min

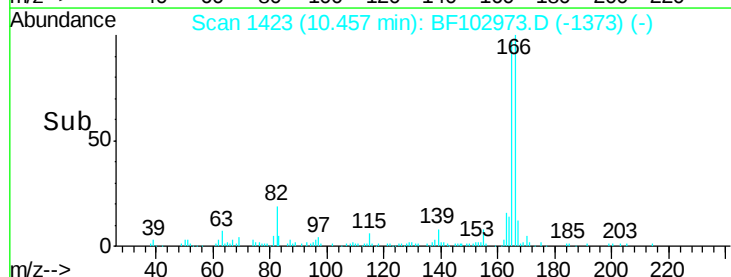
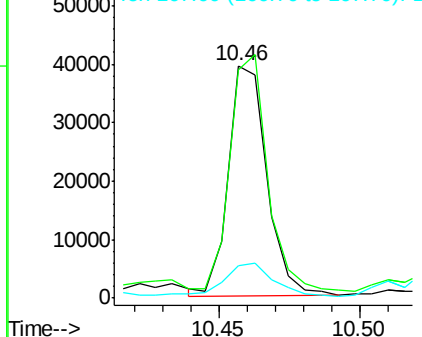
Lab File: BF102973.D

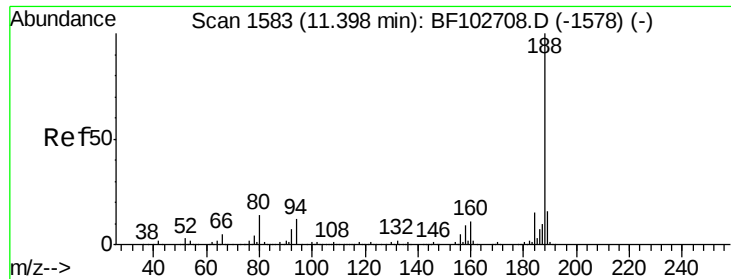
Acq: 13 Feb 2018 20:28

Tgt Ion:	166	Resp:	37082
Ion Ratio	Lower	Upper	
166	100		
165	98.0	79.8	119.8
167	13.9	10.6	16.0



Abundance Ion 166.00 (165.70 to 166.70): E
Ion 165.00 (164.70 to 165.70): E
Ion 167.00 (166.70 to 167.70): E





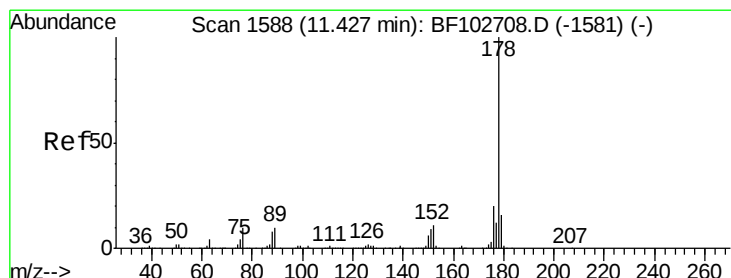
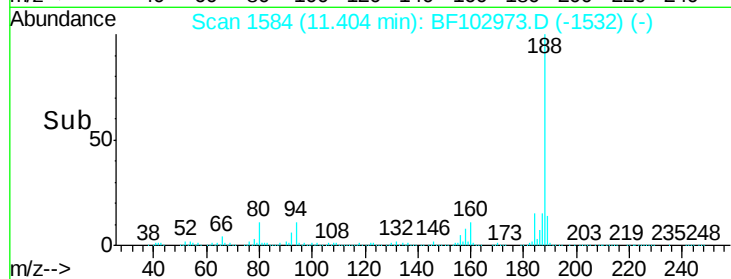
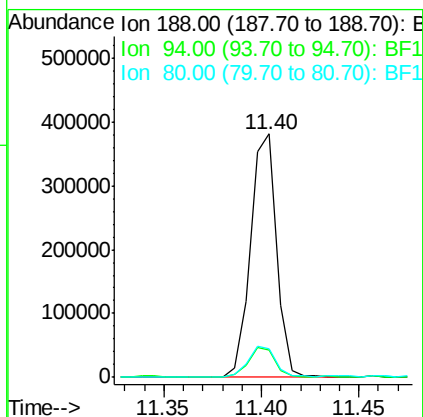
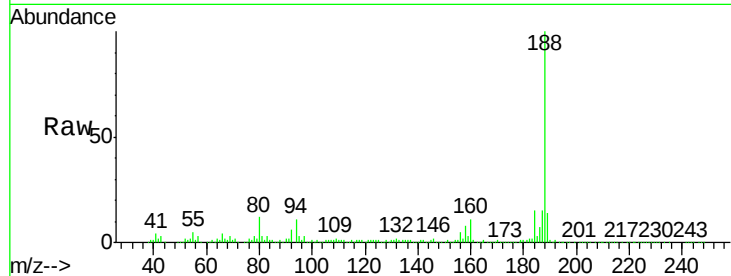
#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.40 min Scan# 1584
Delta R.T. 0.01 min
Lab File: BF102973.D
Acq: 13 Feb 2018 20:28

Instrument :
BNA_F
ClientSampleId :
SB-03-COMP

Tot Ion	Ratio	Resp Lower	Resp Upper
188	100		
94	11.2	8.5	12.7
80	11.7	9.2	13.8

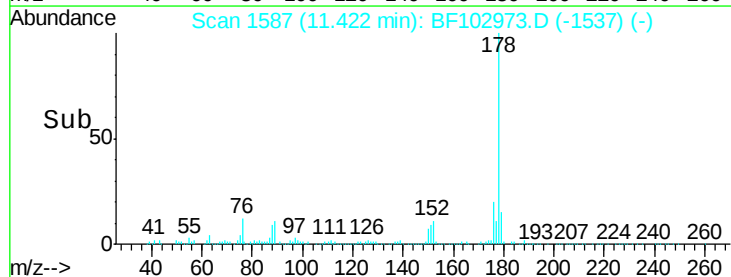
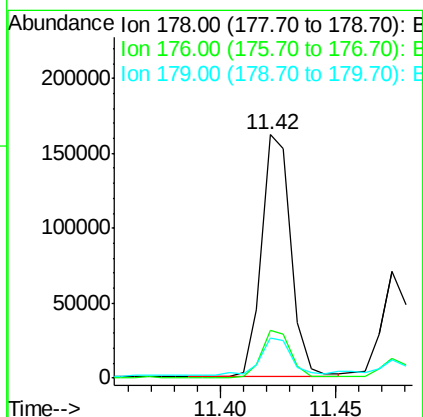
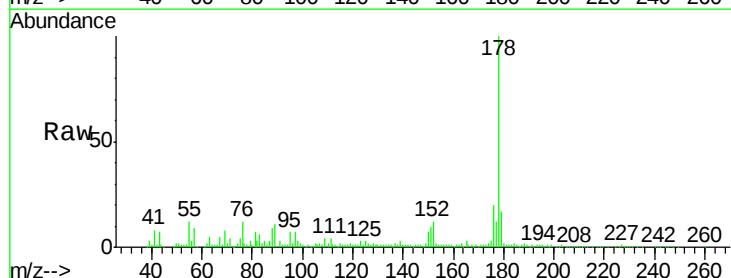
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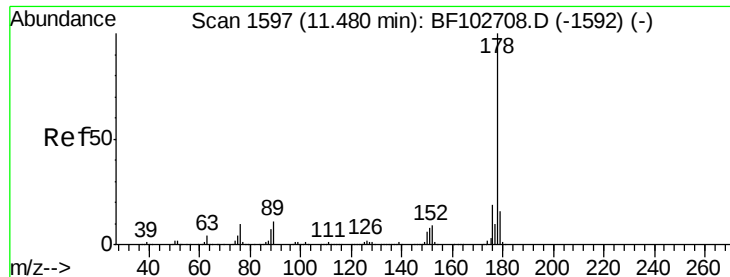
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#70
Phenanthrene
Concen: 7.340 ng
RT: 11.42 min Scan# 1587
Delta R.T. -0.01 min
Lab File: BF102973.D
Acq: 13 Feb 2018 20:28

Tgt Ion	Ratio	Resp Lower	Resp Upper
178	100		
176	19.8	15.8	23.8
179	16.6	13.0	19.6





#71

Anthracene

Concen: 2.725 ng

RT: 11.47 min Scan# 1596

Delta R.T. -0.01 min

Lab File: BF102973.D

Acq: 13 Feb 2018 20:28

Instrument :

BNA_F

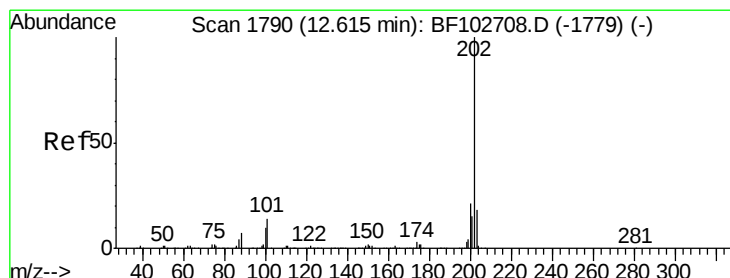
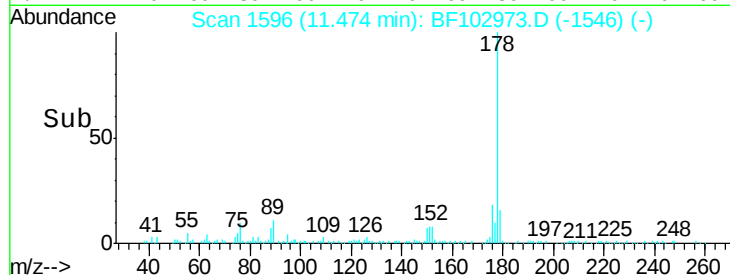
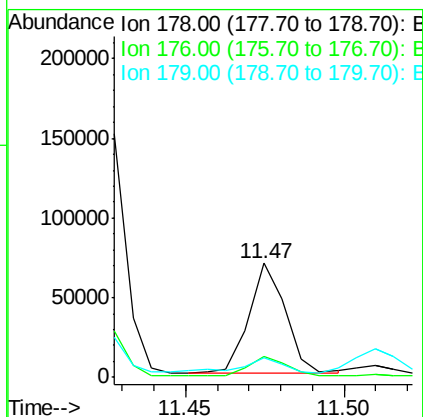
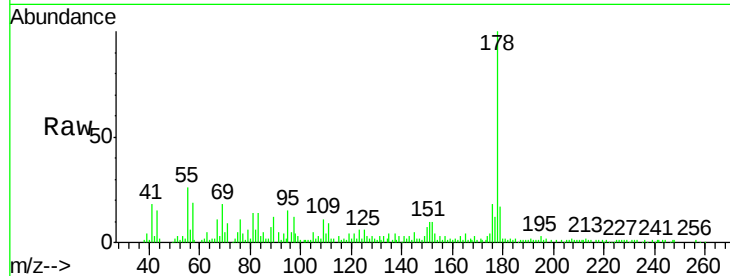
ClientSampleId :

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Tot Ion:	178	Resp:	54275
Ion Ratio	Lower	Upper	
178	100		
176	18.3	15.4	23.2
179	17.4	12.6	19.0

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#74

Fluoranthene

Concen: 11.399 ng

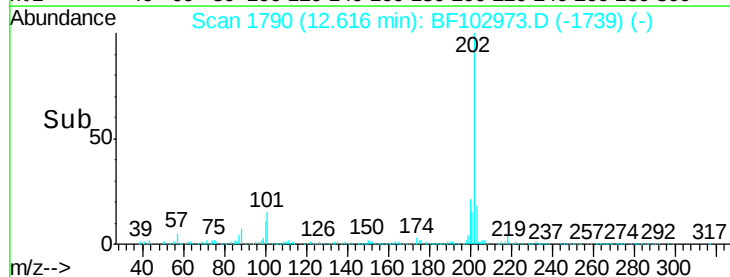
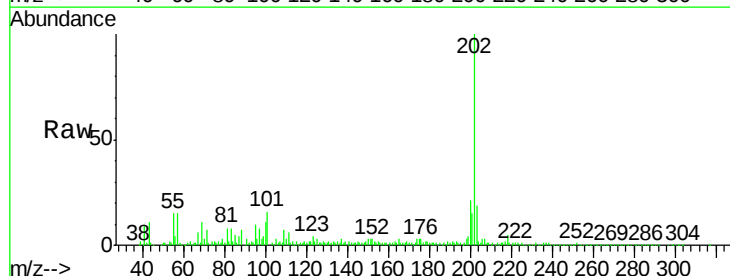
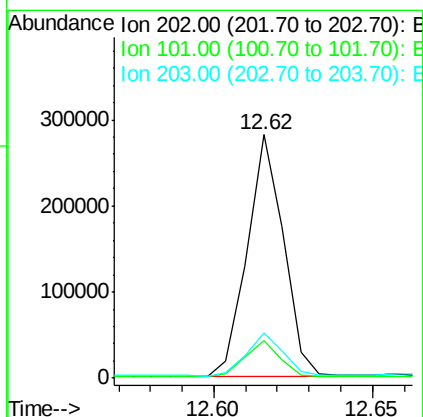
RT: 12.62 min Scan# 1790

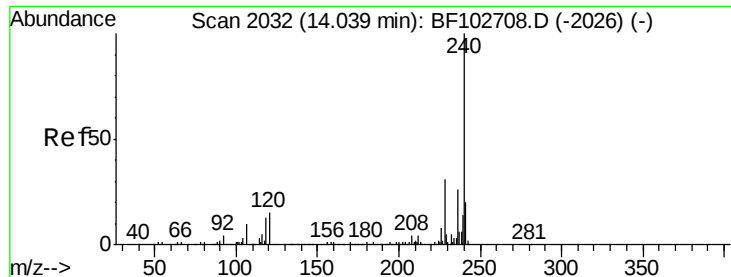
Delta R.T. 0.00 min

Lab File: BF102973.D

Acq: 13 Feb 2018 20:28

Tgt Ion:	202	Resp:	224557
Ion Ratio	Lower	Upper	
202	100		
101	15.6	0.0	34.1
203	18.5	0.0	38.1





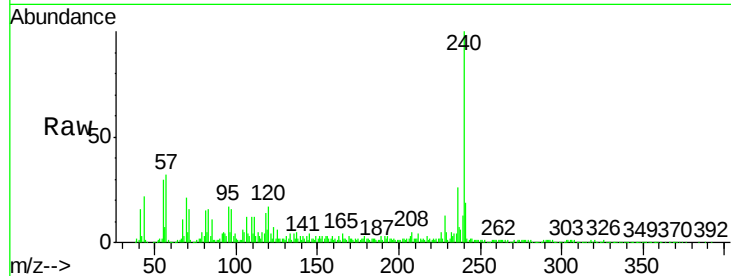
#75
Chrysene-d12
Concen: 20.000 ng
RT: 14.04 min Scan# 2032
Delta R.T. 0.01 min
Lab File: BF102973.D
Acq: 13 Feb 2018 20:28

Instrument :
BNA_F
ClientSampleId :
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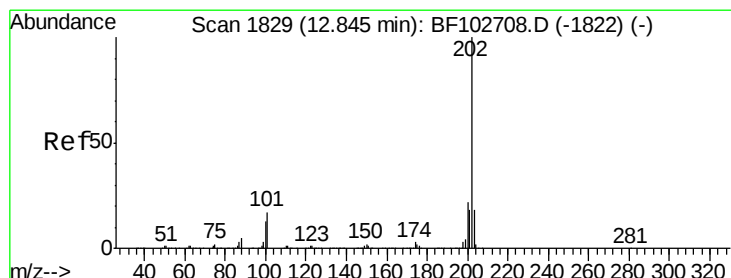
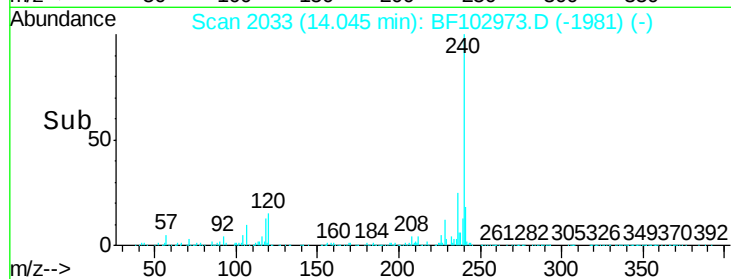
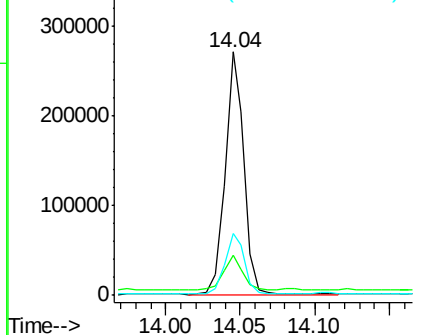
Tot Ion	Ratio	Resp	Lower	Upper
240	100	240041		
120	16.5	9.5	14.3	
236	25.6	20.7	31.1	

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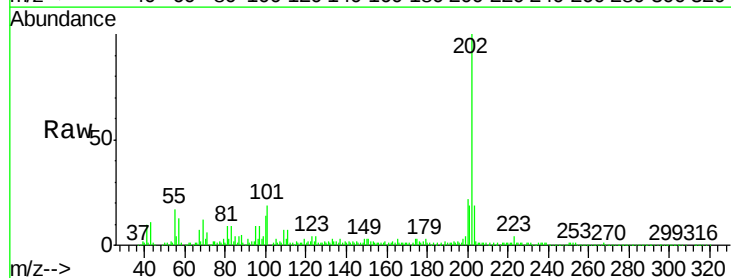


Abundance Ion 240.00 (239.70 to 240.70): E
Ion 120.00 (119.70 to 120.70): E
Ion 236.00 (235.70 to 236.70): E

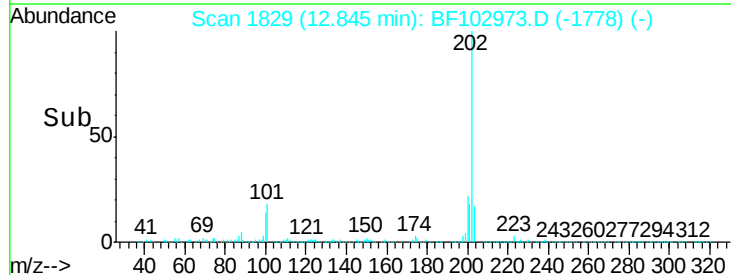
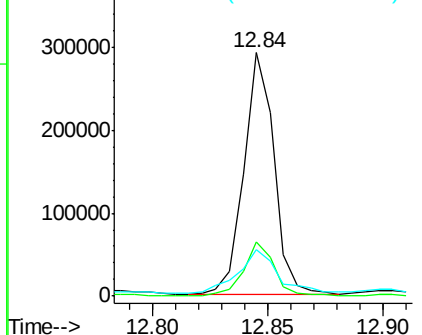


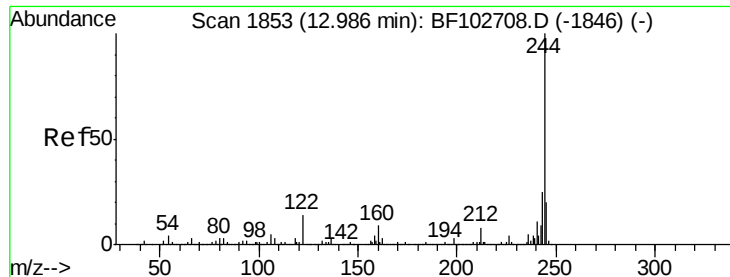
#77
Pyrene
Concen: 14.180 ng
RT: 12.84 min Scan# 1829
Delta R.T. 0.00 min
Lab File: BF102973.D
Acq: 13 Feb 2018 20:28

Tgt Ion	Ratio	Resp	Lower	Upper
202	100	266915		
200	22.3	17.4	26.2	
203	18.9	14.3	21.5	



Abundance Ion 202.00 (201.70 to 202.70): E
Ion 200.00 (199.70 to 200.70): E
Ion 203.00 (202.70 to 203.70): E





#78

Terphenyl-d14

Concen: 91.831 ng

RT: 12.99 min Scan# 1853

Delta R.T. 0.00 min

Lab File: BF102973.D

Acq: 13 Feb 2018 20:28

Instrument :

BNA_F

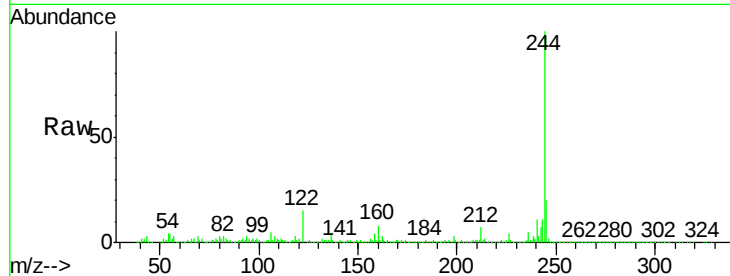
ClientSampleId :

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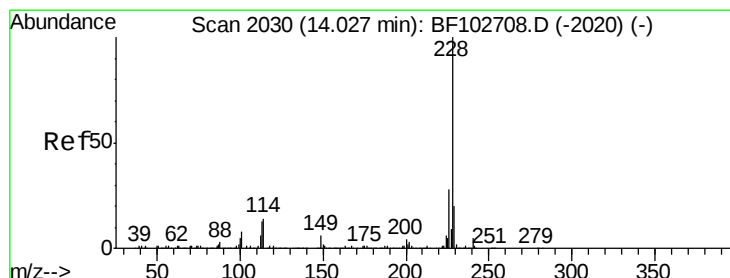
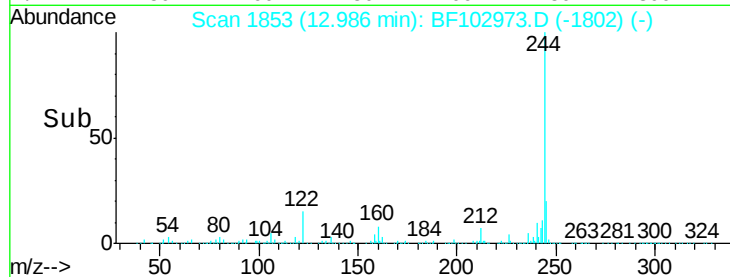
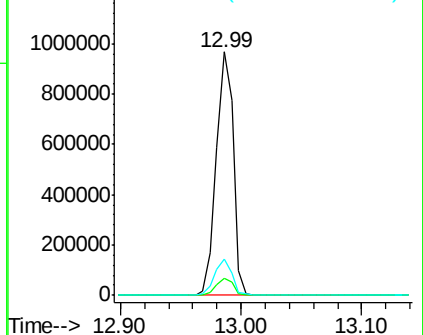
Tot Ion:	244	Resp:	930967
Ion Ratio	Lower	Upper	
244	100		
212	6.9	5.4	8.0
122	14.8	11.0	16.4

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Abundance Ion 244.00 (243.70 to 244.70): E
Ion 212.00 (211.70 to 212.70): E
Ion 122.00 (121.70 to 122.70): E



#80

Benzo(a)anthracene

Concen: 6.497 ng

RT: 14.03 min Scan# 2031

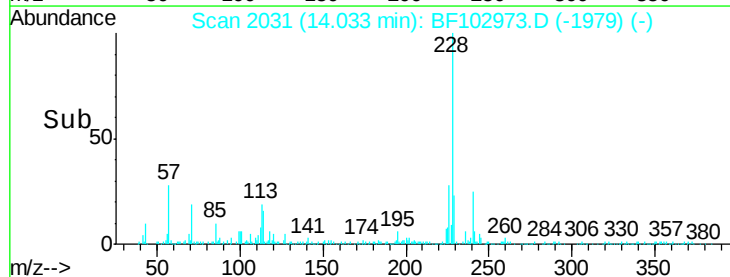
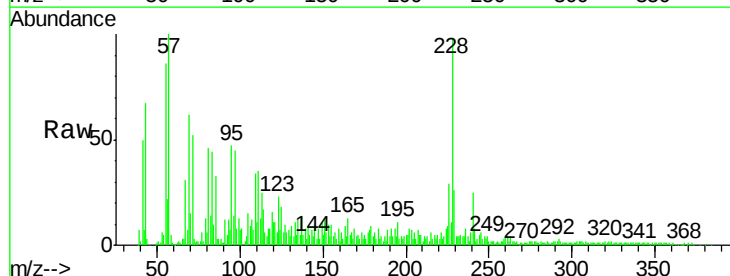
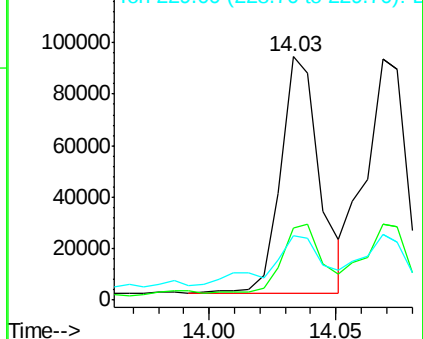
Delta R.T. 0.01 min

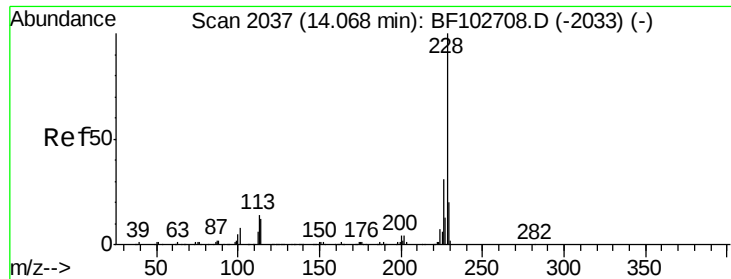
Lab File: BF102973.D

Acq: 13 Feb 2018 20:28

Tgt Ion:	228	Resp:	98079
Ion Ratio	Lower	Upper	
228	100		
226	29.8	22.6	33.8
229	26.7	15.8	23.6#

Abundance Ion 228.00 (227.70 to 228.70): E
Ion 226.00 (225.70 to 226.70): E
Ion 229.00 (228.70 to 229.70): E





#82

Chrysene

Concen: 6.751 ng

RT: 14.07 min Scan# 2037

Delta R.T. 0.00 min

Lab File: BF102973.D

Acq: 13 Feb 2018 20:28

Instrument :

BNA_F

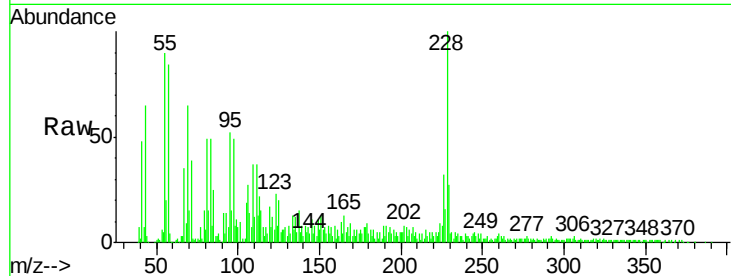
ClientSampleId :

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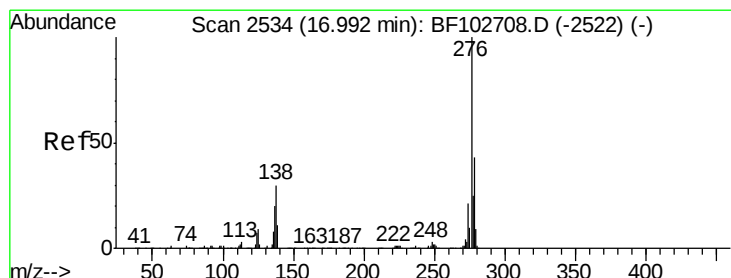
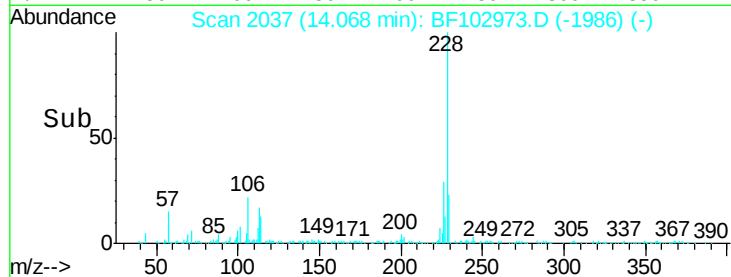
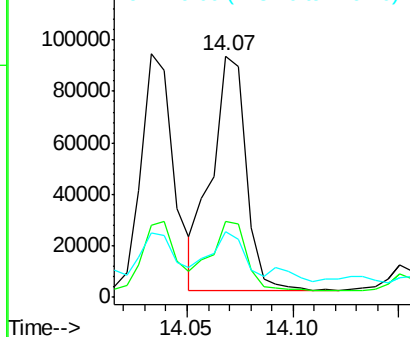
Tot Ion:	228	Resp:	102734
Ion Ratio	Lower	Upper	
228	100		
226	31.5	25.0	37.6
229	27.0	16.2	24.4

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Abundance Ion 228.00 (227.70 to 228.70): E
Ion 226.00 (225.70 to 226.70): E
Ion 229.00 (228.70 to 229.70): E



#85

Indeno(1,2,3-cd)pyrene

Concen: 3.616 ng

RT: 17.02 min Scan# 2539

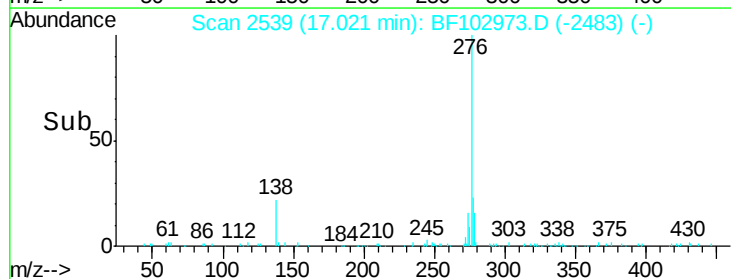
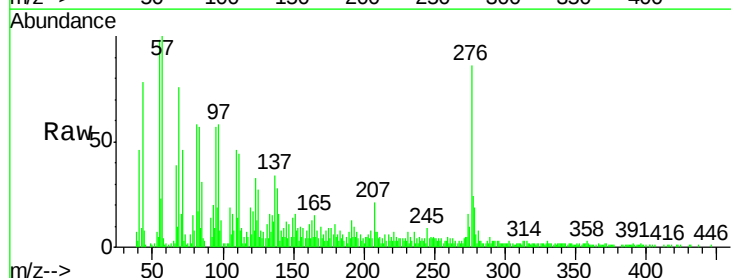
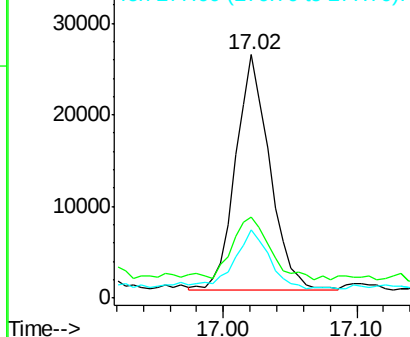
Delta R.T. 0.03 min

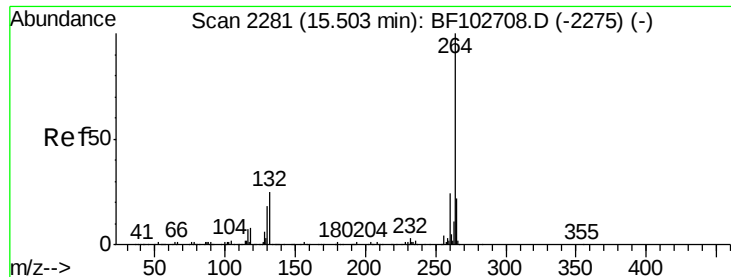
Lab File: BF102973.D

Acq: 13 Feb 2018 20:28

Tgt Ion:	276	Resp:	45644
Ion Ratio	Lower	Upper	
276	100		
138	28.7	25.0	37.6
277	25.6	20.1	30.1

Abundance Ion 276.00 (275.70 to 276.70): E
Ion 138.00 (137.70 to 138.70): E
Ion 277.00 (276.70 to 277.70): E





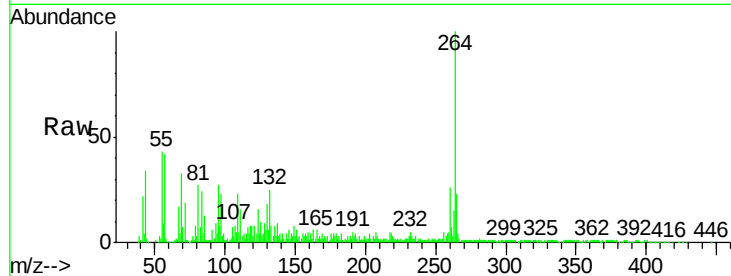
#86
Pervlene-d12
Concen: 20.000 ng
RT: 15.53 min Scan# 2286
Delta R.T. 0.03 min
Lab File: BF102973.D
Acq: 13 Feb 2018 20:28

Instrument :
BNA_F
ClientSampleId :
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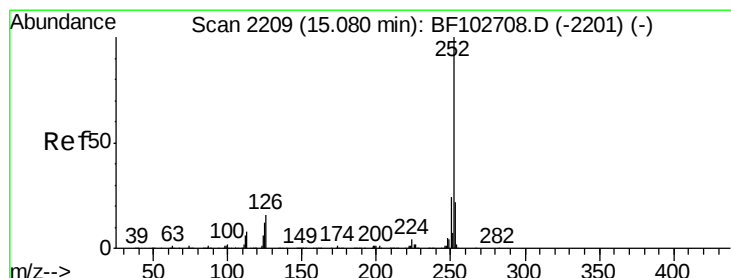
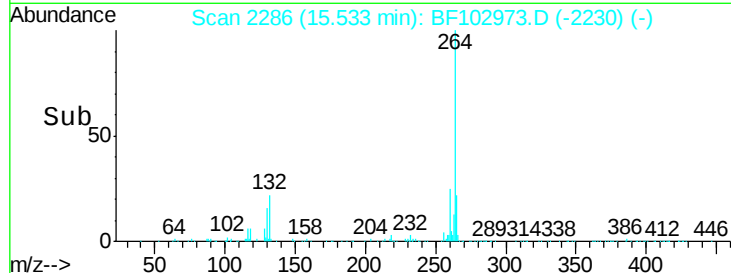
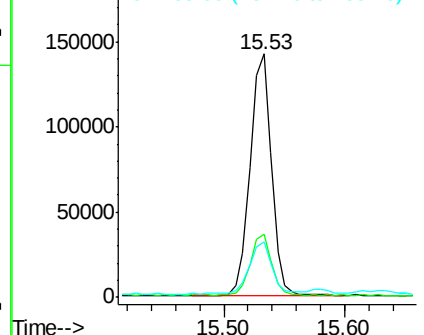
Tot Ion	Ratio	Lower	Upper
264	100		
260	25.9	19.2	28.8
265	22.9	17.5	26.3

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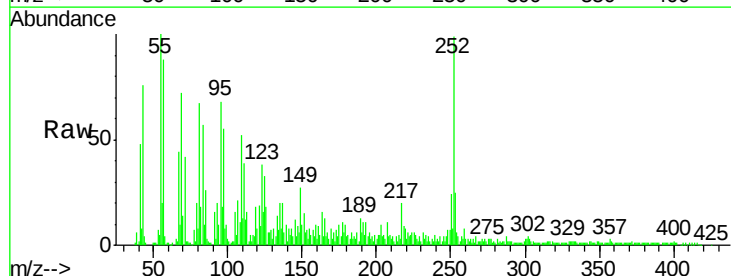


Abundance Ion 264.00 (263.70 to 264.70): E
Ion 260.00 (259.70 to 260.70): E
Ion 265.00 (264.70 to 265.70): E

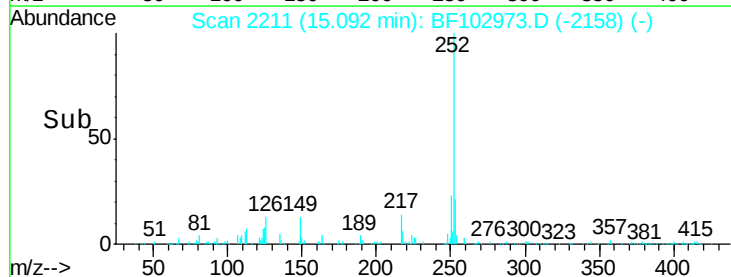
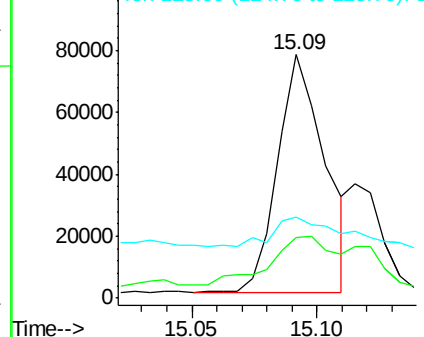


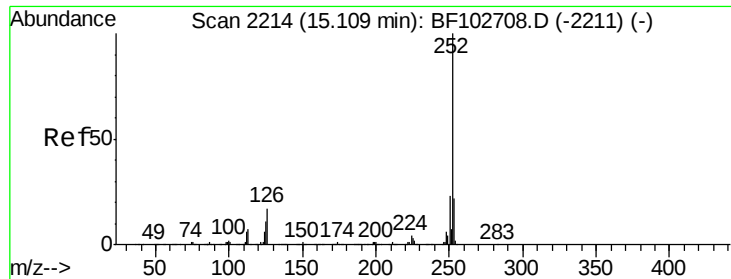
#87
Benzo(b)fluoranthene
Concen: 8.846 ng m
RT: 15.09 min Scan# 2211
Delta R.T. 0.01 min
Lab File: BF102973.D
Acq: 13 Feb 2018 20:28

Tgt Ion	Ratio	Lower	Upper
252	100		
253	25.0	17.0	25.6
125	33.2	9.0	13.6#



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





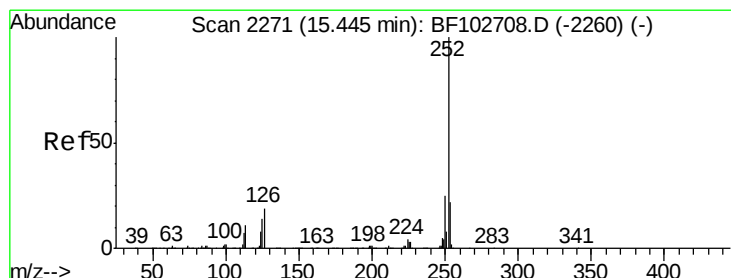
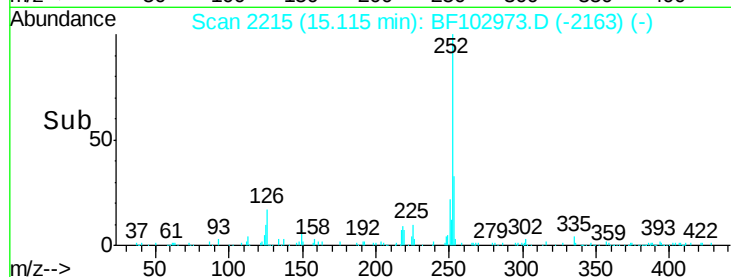
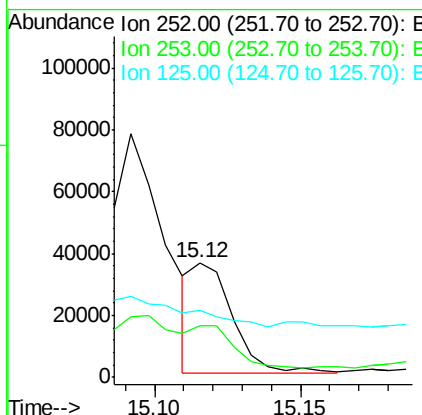
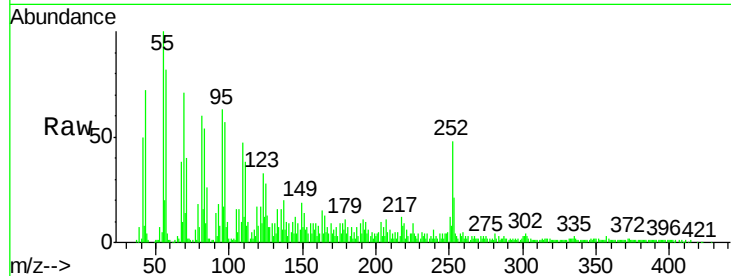
#88
Benzo(k)fluoranthene
Concen: 3.063 ng m
RT: 15.12 min Scan# 2215
Delta R.T. 0.01 min
Lab File: BF102973.D
Acq: 13 Feb 2018 20:28

Instrument :
BNA_F
ClientSampleId :
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Tot Ion	Ratio	Lower	Upper
252	100		
253	45.1	17.9	26.9#
125	58.7	10.2	15.2#

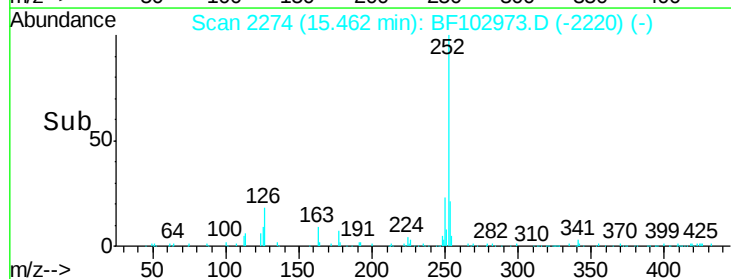
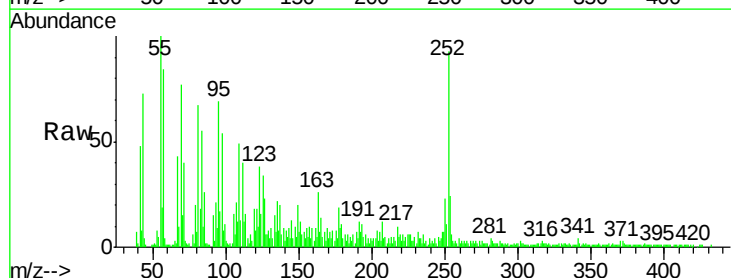
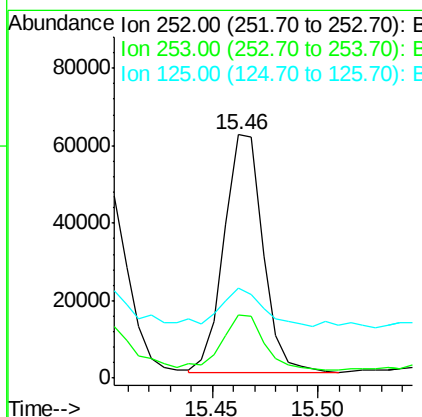
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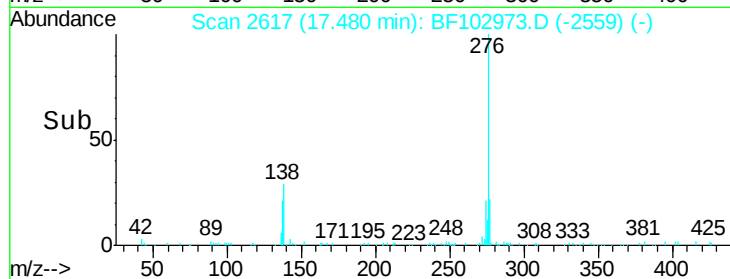
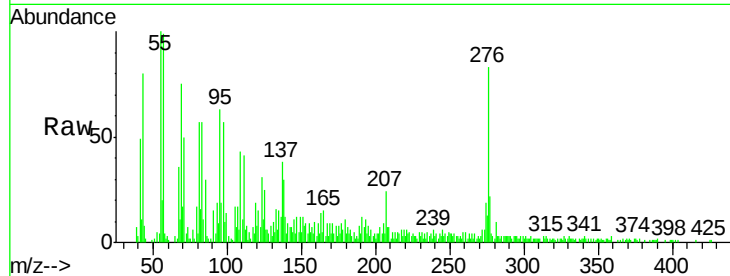
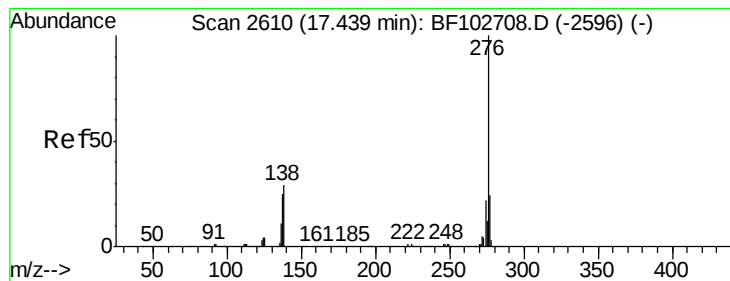
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#89
Benzo(a)pyrene
Concen: 7.571 ng
RT: 15.46 min Scan# 2274
Delta R.T. 0.02 min
Lab File: BF102973.D
Acq: 13 Feb 2018 20:28

Tgt Ion	Ratio	Lower	Upper
252	100		
253	26.0	17.1	25.7#
125	36.9	9.8	14.6#





#91

Benzo(a,h,i)perylene

Concen: 5.734 ng

RT: 17.48 min Scan# 2617

Delta R.T. 0.04 min

Lab File: BF102973.D

Acq: 13 Feb 2018 20:28

Instrument :

BNA_F

ClientSampleId :

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Tot Ion: 276 Resp: 46984

Ion Ratio Lower Upper

276 100

277 26.4 17.9 26.9

138 35.7 21.8 32.8#

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