

Data Path : Z:\HPCHEM1\BNA F\DATA\BF021418\
 Data File : BF102983.D
 Acq On : 14 Feb 2018 12:28
 Operator : SJ/JU
 Sample : J1511-01 2X
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 MM-1

Manual Integrations
 APPROVED

Sohil
 2/15/2018 11:06:13 AM

Quant Time: Feb 14 14:57:09 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	179110	20.00	ng	0.00
21) Naphthalene-d8	8.16	136	743269	20.00	ng	0.00
38) Acenaphthene-d10	9.92	164	311683	20.00	ng	0.00
63) Phenanthrene-d10	11.40	188	440264	20.00	ng	0.00
75) Chrysene-d12	14.04	240	332881	20.00	ng	0.00
86) Perylene-d12	15.53	264	303708	20.00	ng	0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.49	112	605474	51.34	ng	0.00
7) Phenol-d6	6.50	99	741103	52.19	ng	0.00
23) Nitrobenzene-d5	7.43	82	458201	42.76	ng	-0.01
41) 2,4,6-Tribromophenol	10.70	330	101631	40.51	ng	0.00
44) 2-Fluorobiphenyl	9.23	172	675395	35.96	ng	-0.01
78) Terphenyl-d14	12.98	244	439616	31.27	ng	0.00
Target Compounds						Qvalue
10) Phenol	6.51	94	33092	2.174	ng	93
31) Naphthalene	8.18	128	135958	3.744	ng	99
49) Dimethylphthalate	9.62	163	64050	2.636	ng	99
70) Phenanthrene	11.43	178	474289	19.343	ng	98
71) Anthracene	11.47	178	91109	3.653	ng	97
74) Fluoranthene	12.62	202	344027	13.945	ng	99
77) Pyrene	12.84	202	350351	13.422	ng	99
80) Benzo(a)anthracene	14.03	228	149542	7.143	ng	99
82) Chrysene	14.07	228	151139	7.162	ng	98
85) Indeno(1,2,3-cd)pyrene	17.02	276	53952	3.082	ng	96
87) Benzo(b)fluoranthene	15.09	252	141901m	7.207	ng	
88) Benzo(k)fluoranthene	15.11	252	49186m	2.614	ng	
89) Benzo(a)pyrene	15.46	252	93169	5.257	ng	# 84
91) Benzo(a,h,i)perylene	17.47	276	64644	4.591	ng	# 92

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

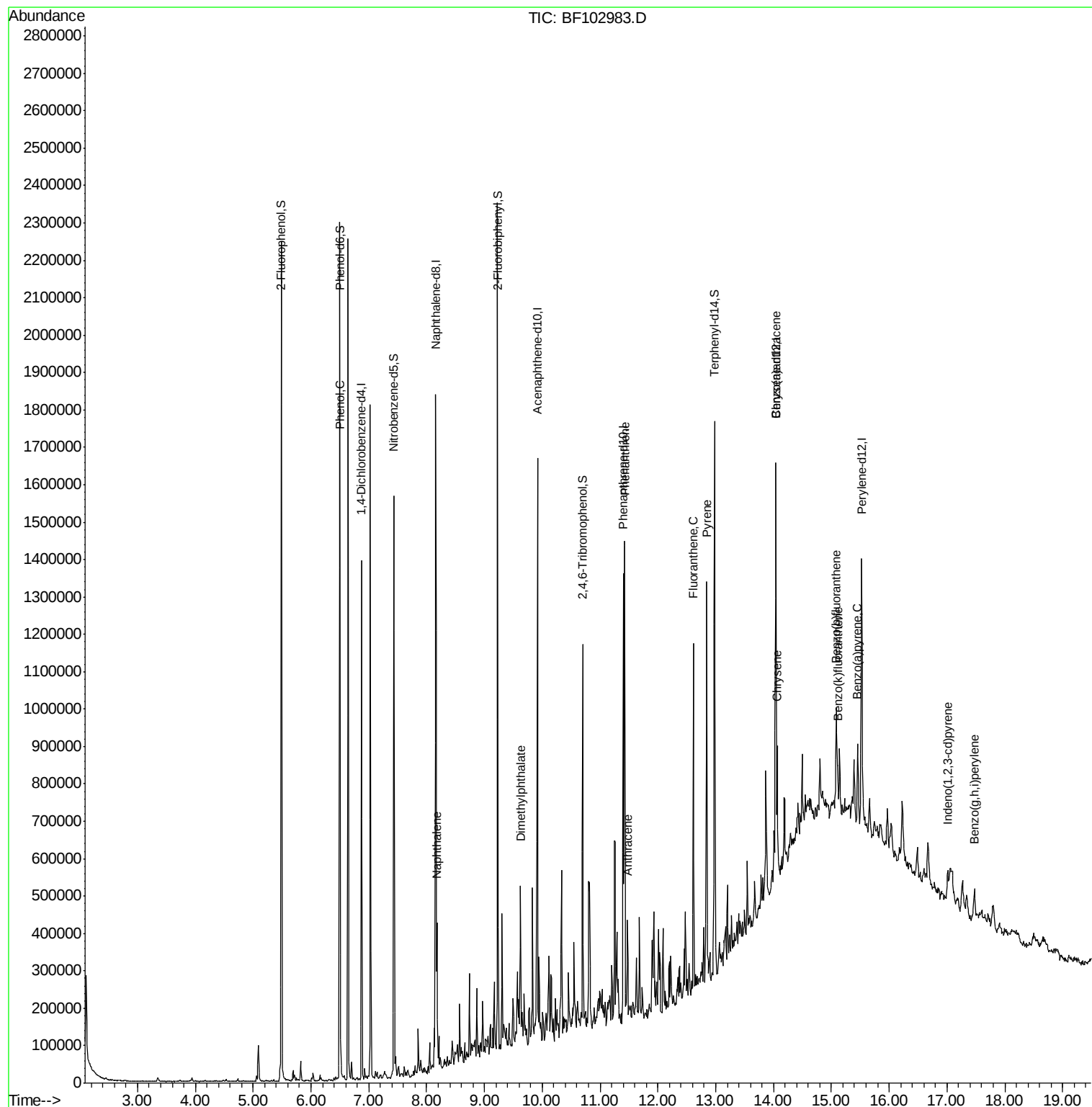
Data Path : Z:\HPCHEM1\BNA F\DATA\BF021418\
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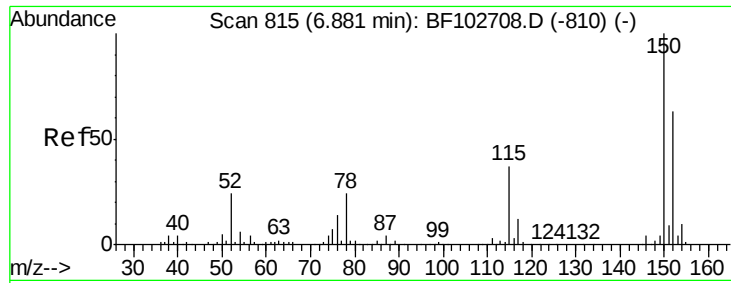
Instrument :
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MM-1

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#1

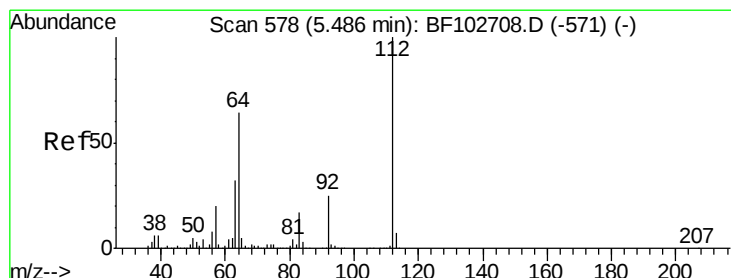
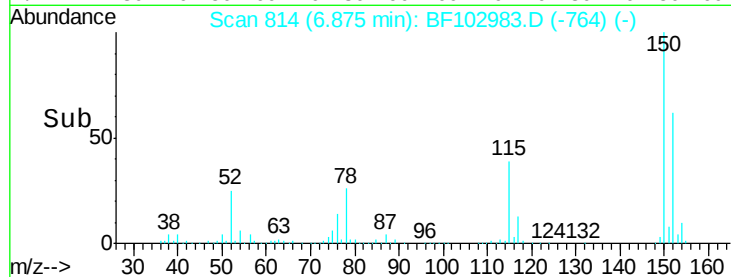
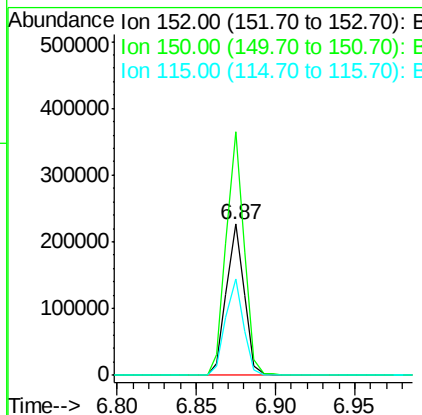
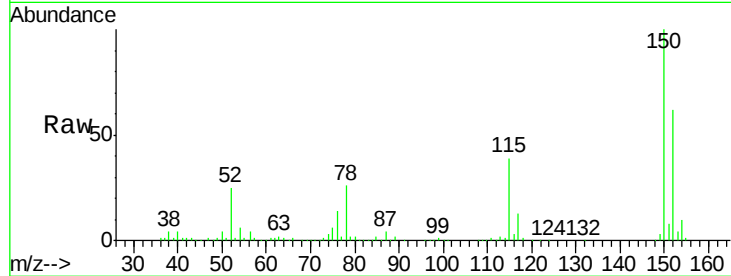
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.87 min Scan# 814
Delta R.T. -0.01 min
Lab File: BF102983.D
Acq: 14 Feb 2018 12:28

Instrument :
BNA_F
ClientSampled :
MM-1

Tot Ion	Ratio	Lower	Upper
152	100		
150	161.0	124.6	186.8
115	63.4	50.1	75.1

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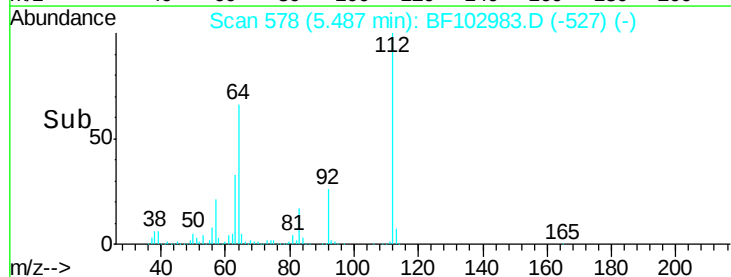
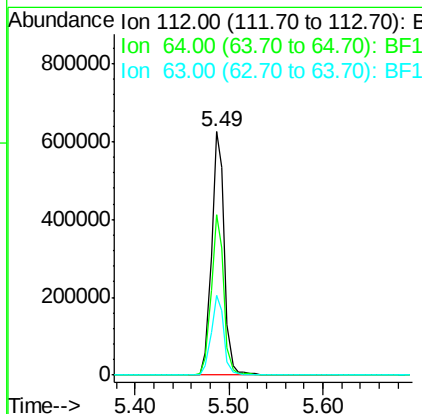
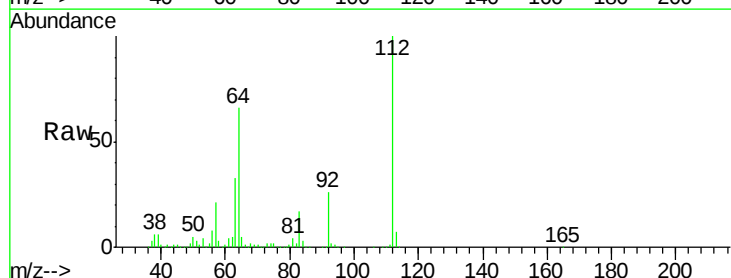
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#5

2-Fluorophenol
Concen: 51.338 ng
RT: 5.49 min Scan# 578
Delta R.T. 0.00 min
Lab File: BF102983.D
Acq: 14 Feb 2018 12:28

Tgt Ion	Ratio	Lower	Upper
112	100		
64	65.8	47.9	71.9
63	32.9	23.7	35.5





#7

Phenol-d6

Concen: 52.188 ng

RT: 6.50 min Scan# 750

Delta R.T. 0.00 min

Lab File: BF102983.D

Acq: 14 Feb 2018 12:28

Instrument :

BNA_F

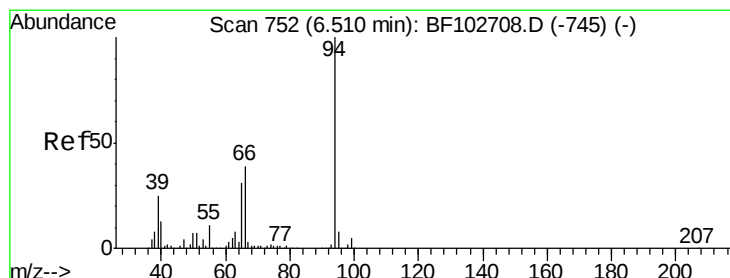
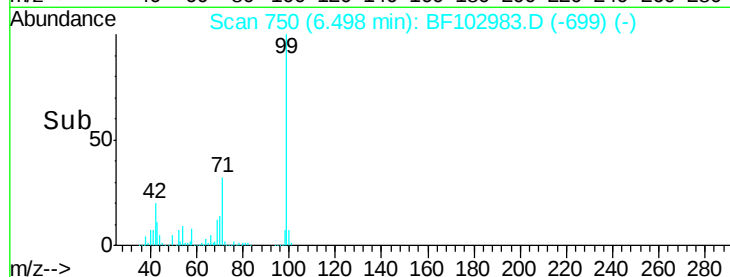
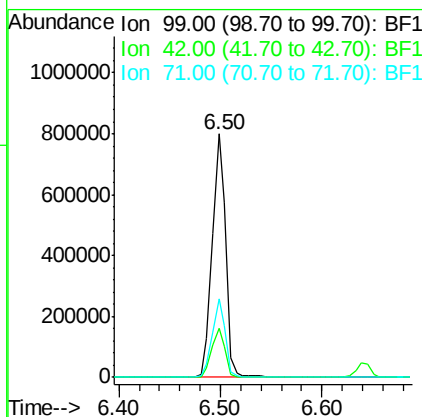
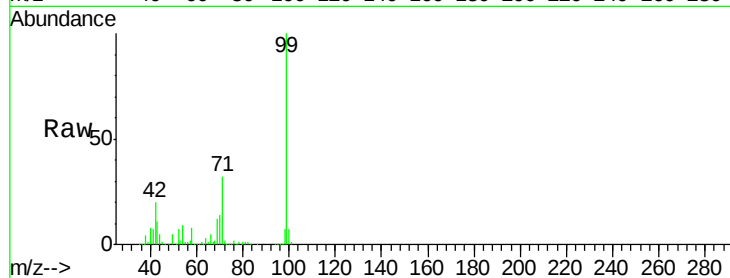
ClientSampleId :

MM-1

Tot Ion:	99	Resp:	741103
Ion Ratio	Lower	Upper	
99	100		
42	20.3	14.5	21.7
71	32.4	25.4	38.0

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#10

Phenol

Concen: 2.174 ng

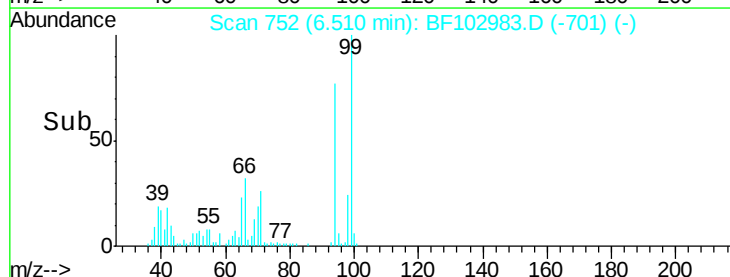
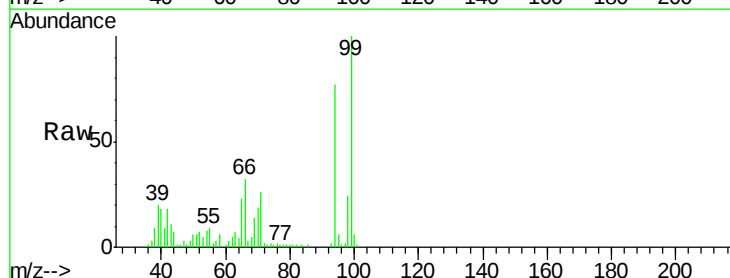
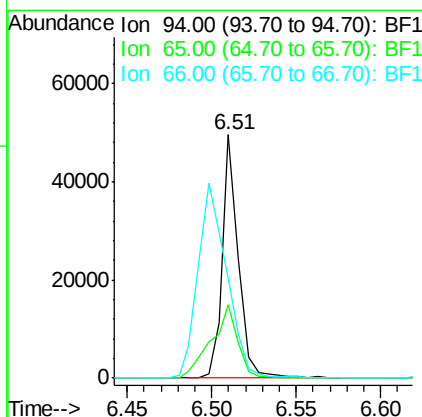
RT: 6.51 min Scan# 752

Delta R.T. 0.00 min

Lab File: BF102983.D

Acq: 14 Feb 2018 12:28

Tgt Ion:	94	Resp:	33092
Ion Ratio	Lower	Upper	
94	100		
65	29.9	7.9	47.9
66	41.3	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: BF102983.D

Acq: 14 Feb 2018 12:28

Instrument :

BNA_F

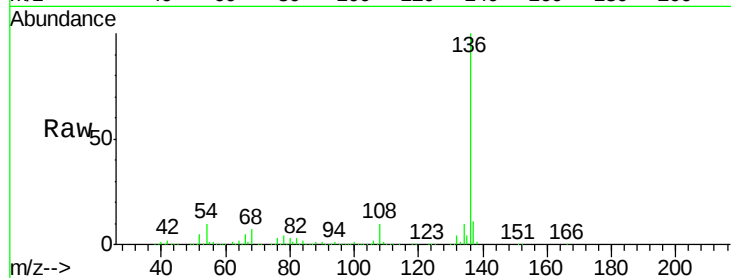
ClientSampleId :

MM-1

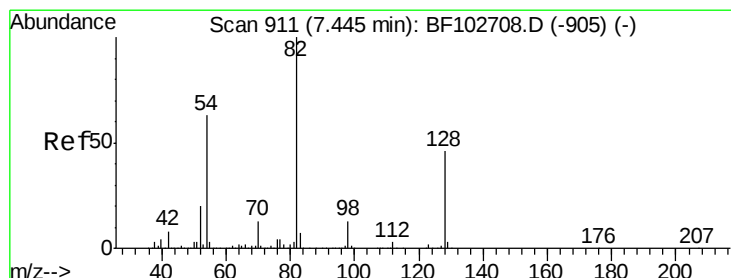
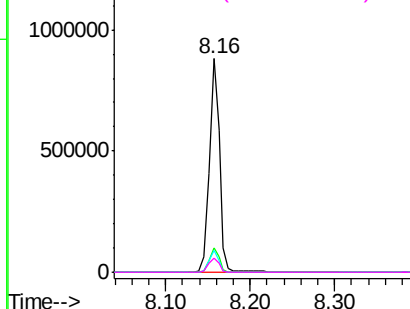
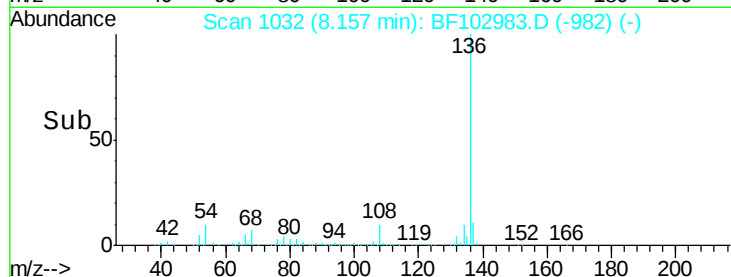
Tot Ion	Ratio	Resp Lower	Upper
136	100		
137	11.3	8.9	13.3
54	10.3	6.6	9.8
68	6.9	5.0	7.4

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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: 42.765 ng

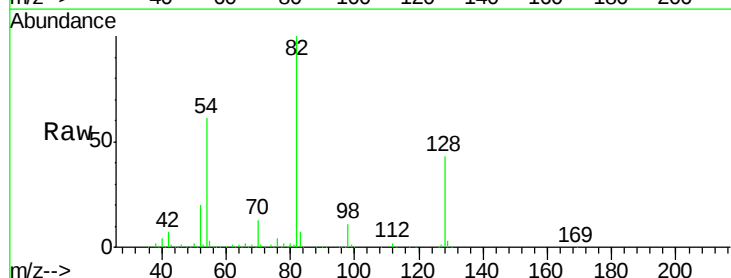
RT: 7.43 min Scan# 909

Delta R.T. -0.01 min

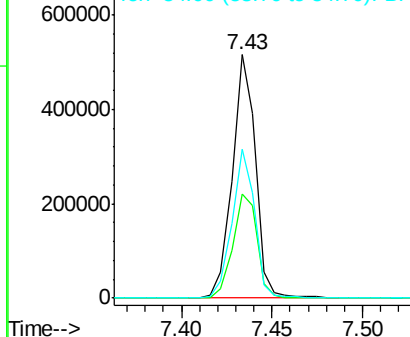
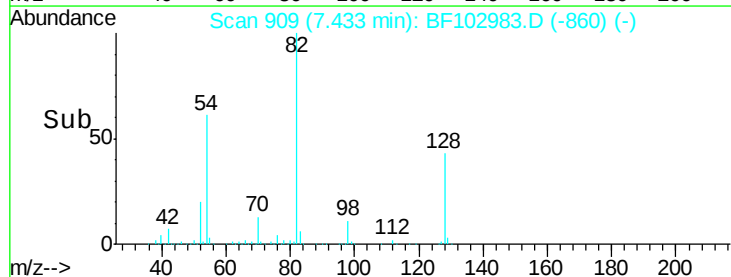
Lab File: BF102983.D

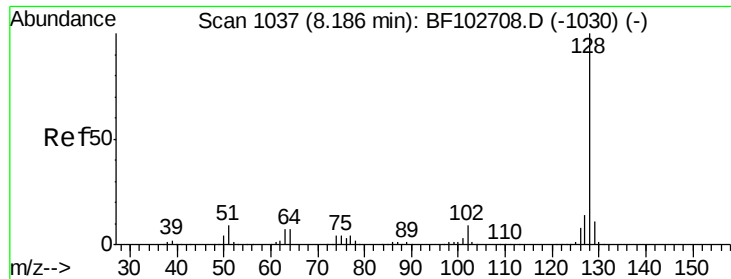
Acq: 14 Feb 2018 12:28

Tgt Ion	Ratio	Resp Lower	Upper
82	100		
128	42.7	36.1	54.1
54	61.3	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





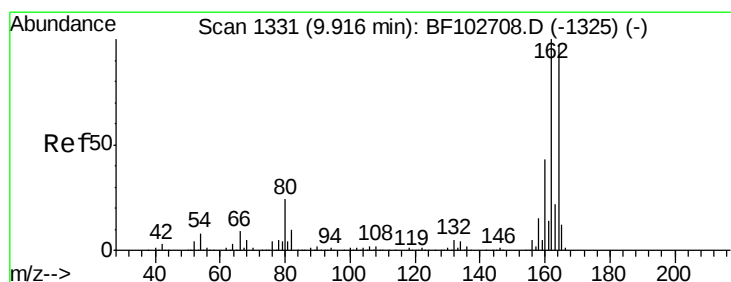
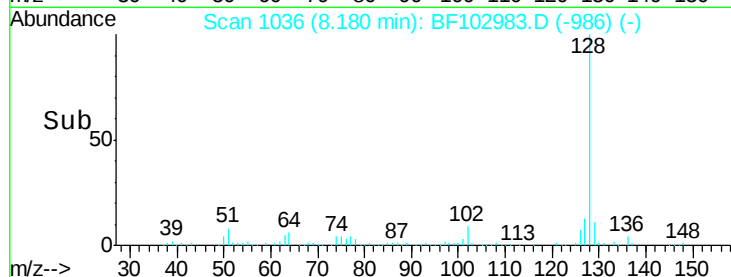
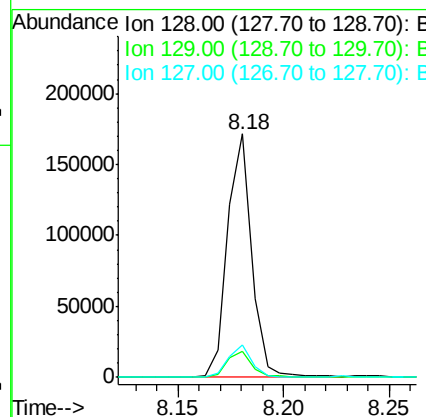
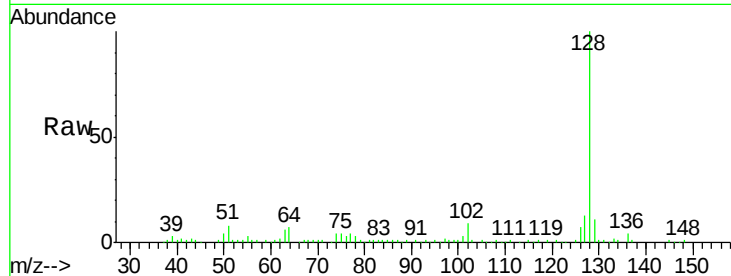
#31
Naphthalene
Concen: 3.744 ng
RT: 8.18 min Scan# 1036
Delta R.T. -0.01 min
Lab File: BF102983.D
Acq: 14 Feb 2018 12:28

Instrument :
BNA_F
ClientSampled :
MM-1

Tot Ion	Ratio	Lower	Upper
128	100		
129	10.7	8.8	13.2
127	13.2	10.9	16.3

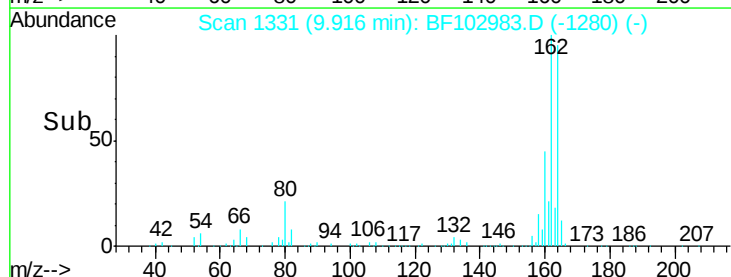
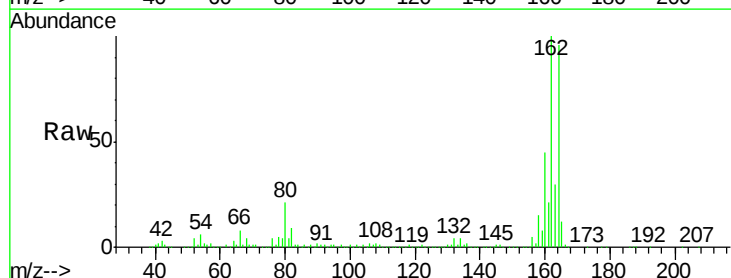
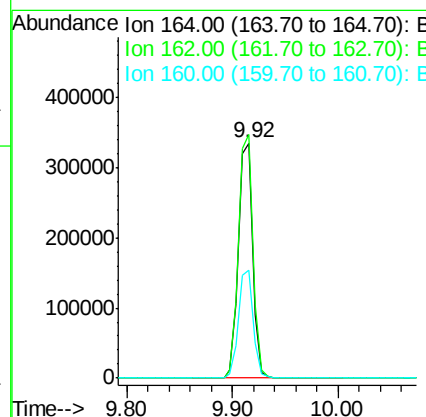
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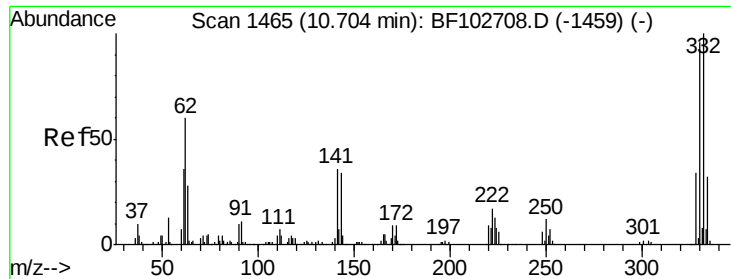
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#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.92 min Scan# 1331
Delta R.T. 0.00 min
Lab File: BF102983.D
Acq: 14 Feb 2018 12:28

Tgt Ion	Ratio	Lower	Upper
164	100		
162	103.7	86.1	129.1
160	46.2	38.3	57.5





#41

2,4,6-Tribromophenol

Concen: 40.512 ng

RT: 10.70 min Scan# 1464

Delta R.T. -0.01 min

Lab File: BF102983.D

Acq: 14 Feb 2018 12:28

Instrument :

BNA_F

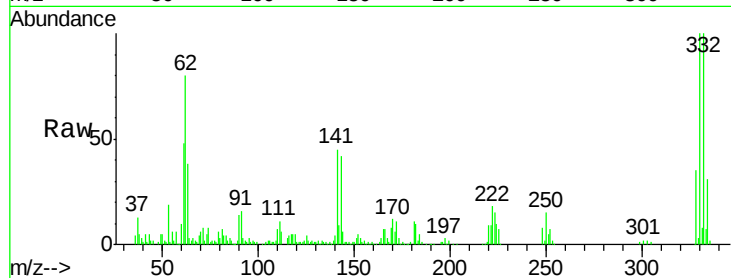
ClientSampled :

MM-1

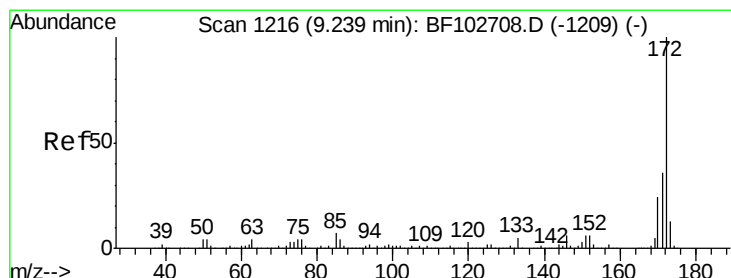
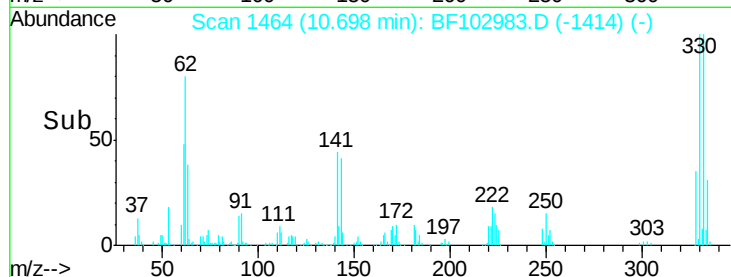
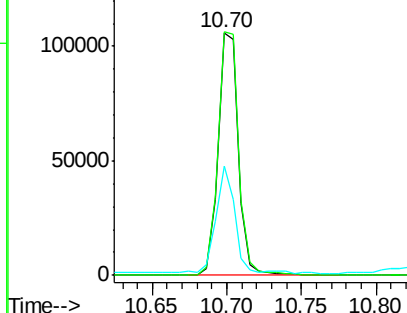
Tot Ion:	330	Resp:	101631
Ion Ratio	Lower	Upper	
330	100		
332	101.9	77.0	115.6
141	41.7	29.9	44.9

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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: 35.957 ng

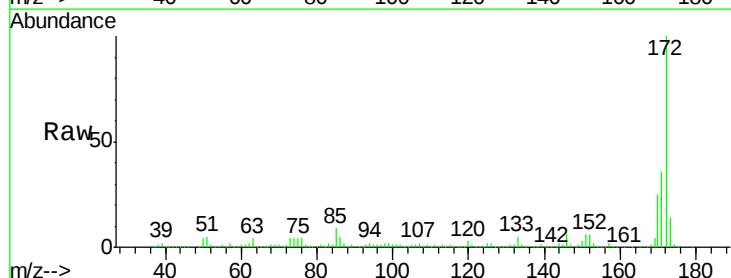
RT: 9.23 min Scan# 1214

Delta R.T. -0.01 min

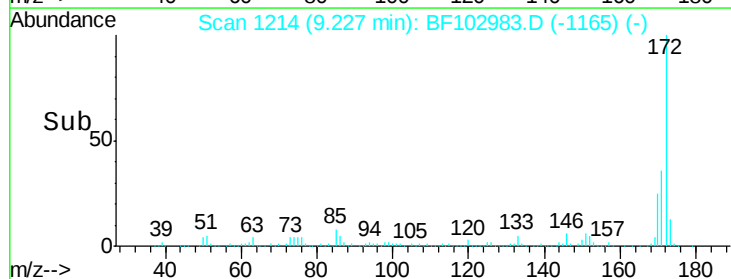
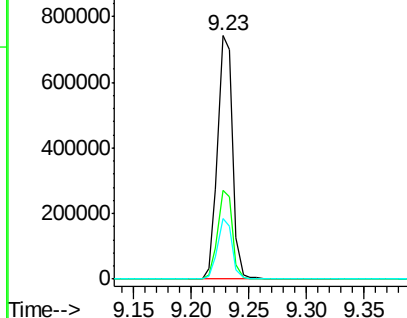
Lab File: BF102983.D

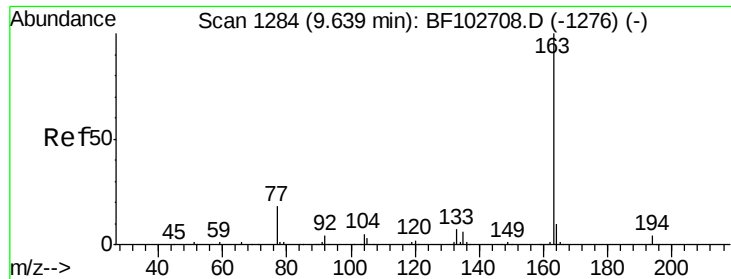
Acq: 14 Feb 2018 12:28

Tgt Ion:	172	Resp:	675395
Ion Ratio	Lower	Upper	
172	100		
171	36.3	29.7	44.5
170	24.6	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





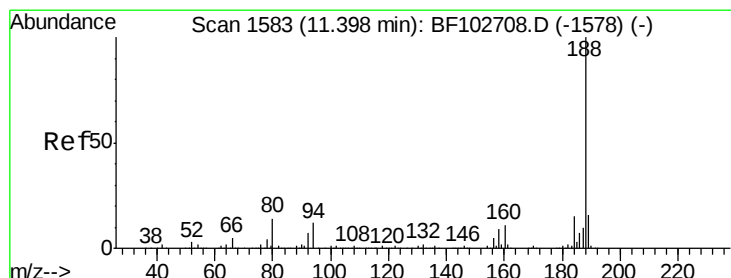
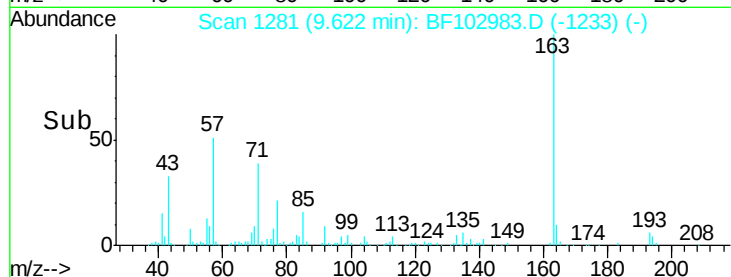
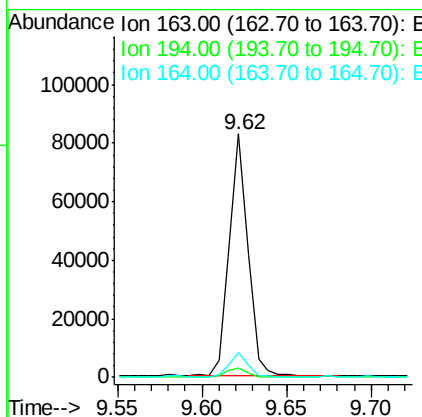
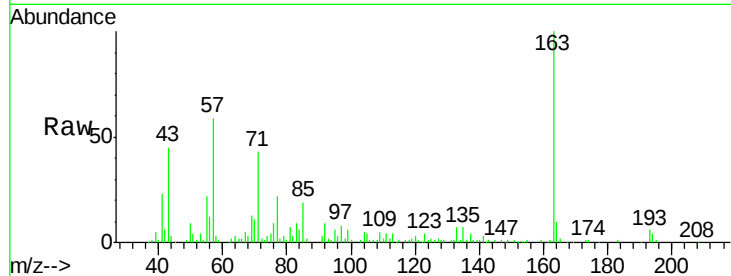
#49
Dimethylphthalate
Concen: 2.636 ng
RT: 9.62 min Scan# 1281
Delta R.T. -0.02 min
Lab File: BF102983.D
Acq: 14 Feb 2018 12:28

Instrument :
BNA_F
ClientSampled :
MM-1

Tot Ion	Ratio	Resp	Lower	Upper
163	100	64050		
194	4.0		2.7	4.1
164	10.0		8.2	12.2

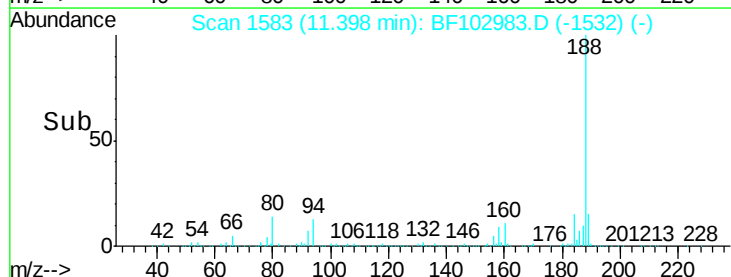
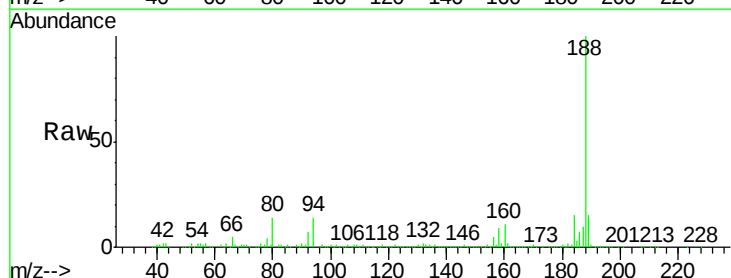
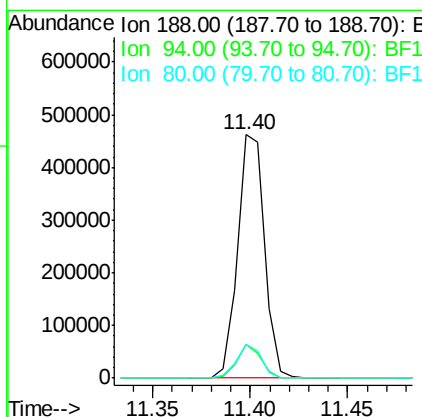
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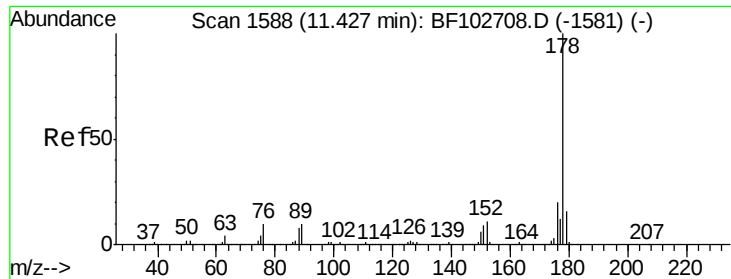
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#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.40 min Scan# 1583
Delta R.T. 0.00 min
Lab File: BF102983.D
Acq: 14 Feb 2018 12:28

Tgt Ion	Ratio	Resp	Lower	Upper
188	100	440264		
94	13.6		8.5	12.7#
80	13.8		9.2	13.8





#70

Phenanthrene

Concen: 19.343 ng

RT: 11.43 min Scan# 1588

Delta R.T. 0.00 min

Lab File: BF102983.D

Acq: 14 Feb 2018 12:28

Instrument :

BNA_F

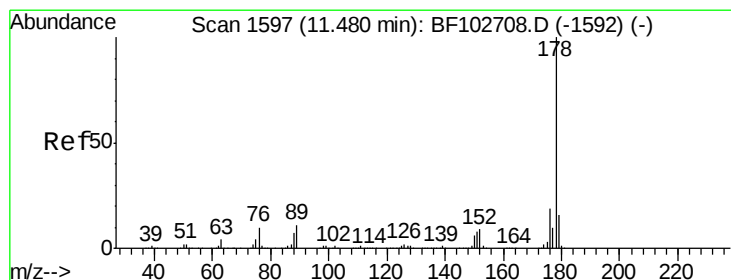
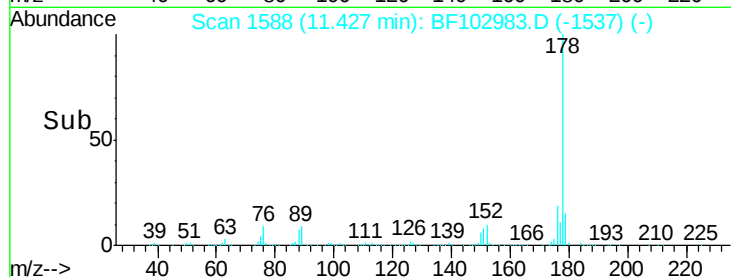
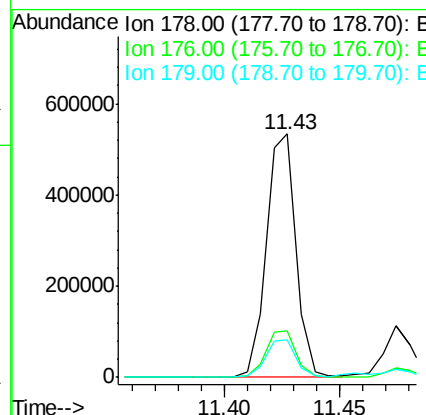
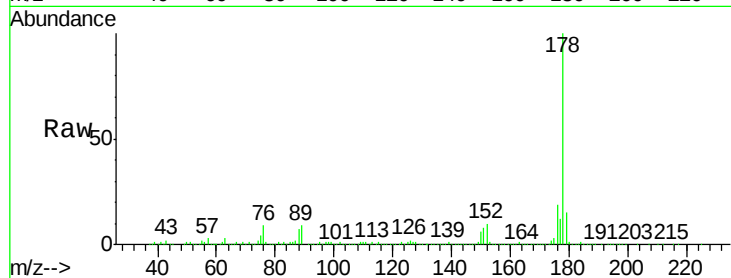
ClientSampleId :

MM-1

Tot Ion:	178	Resp:	474289
Ion Ratio	Lower	Upper	
178	100		
176	19.2	15.8	23.8
179	15.3	13.0	19.6

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#71

Anthracene

Concen: 3.653 ng

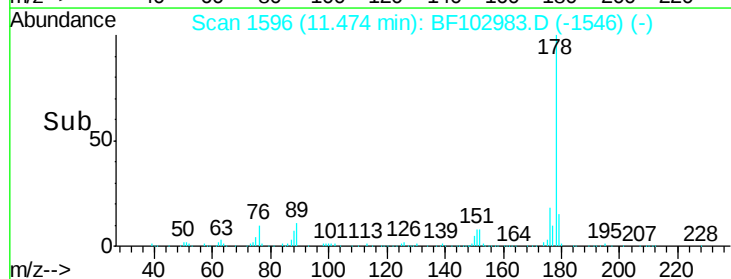
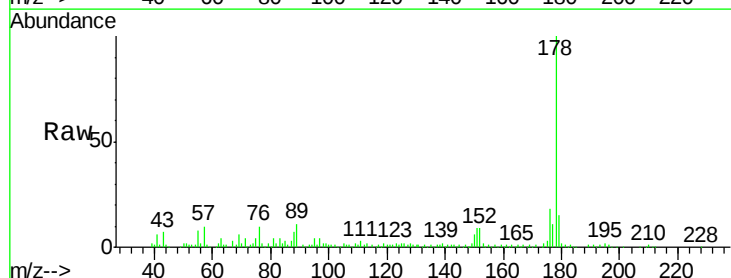
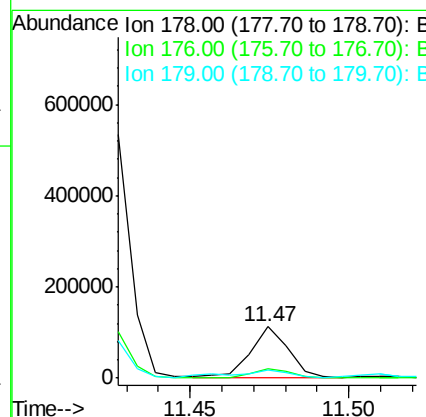
RT: 11.47 min Scan# 1596

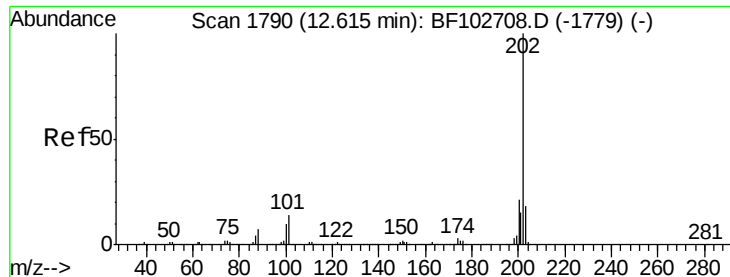
Delta R.T. -0.01 min

Lab File: BF102983.D

Acq: 14 Feb 2018 12:28

Tgt Ion:	178	Resp:	91109
Ion Ratio	Lower	Upper	
178	100		
176	17.5	15.4	23.2
179	15.4	12.6	19.0





#74

Fluoranthene

Concen: 13.945 ng

RT: 12.62 min Scan# 1790

Delta R.T. 0.00 min

Lab File: BF102983.D

Acq: 14 Feb 2018 12:28

Instrument :

BNA_F

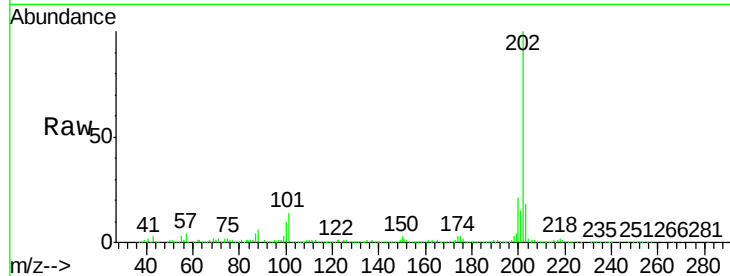
ClientSampled :

MM-1

Tot Ion:	202	Resp:	344027
Ion Ratio	Lower	Upper	
202	100		
101	13.6	0.0	34.1
203	18.0	0.0	38.1

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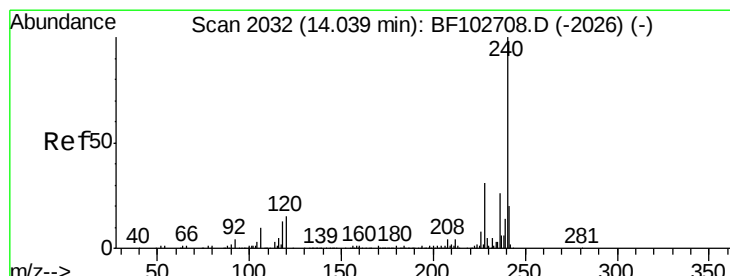
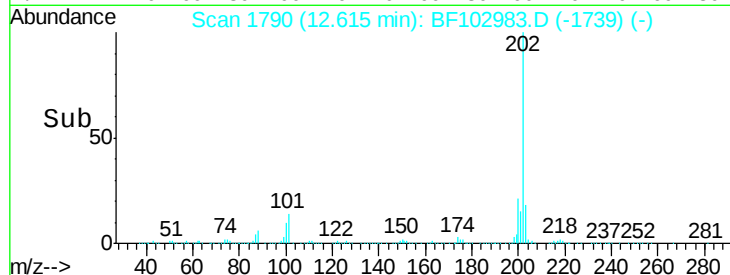
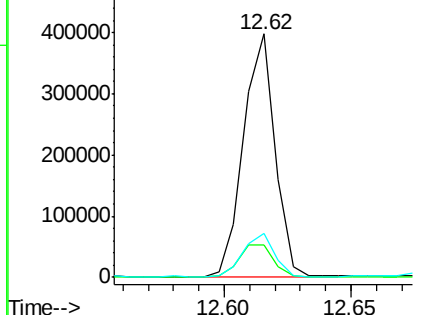
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2/15/2018 11:06:13 AM



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

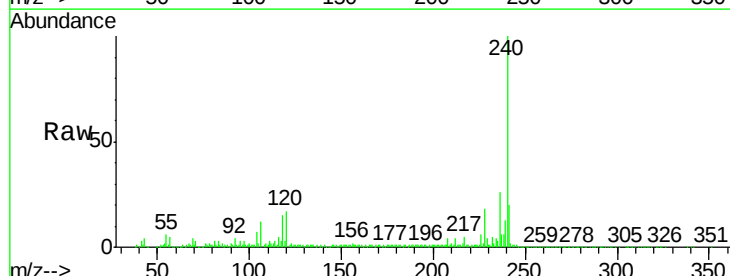
RT: 14.04 min Scan# 2032

Delta R.T. 0.00 min

Lab File: BF102983.D

Acq: 14 Feb 2018 12:28

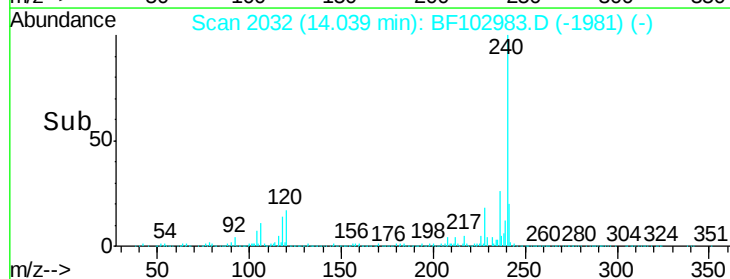
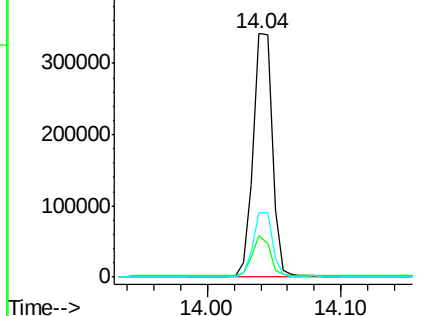
Tgt Ion:	240	Resp:	332881
Ion Ratio	Lower	Upper	
240	100		
120	17.1	9.5	14.3#
236	26.3	20.7	31.1

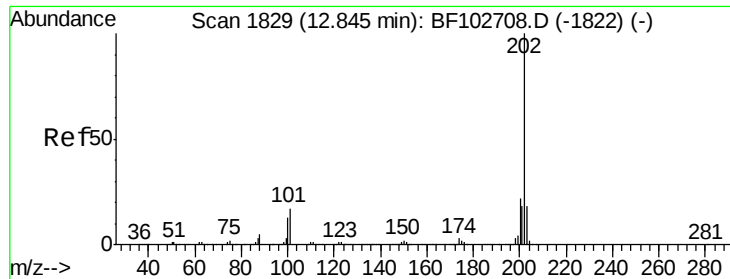


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





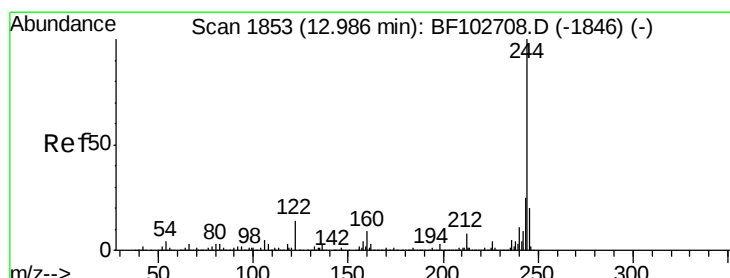
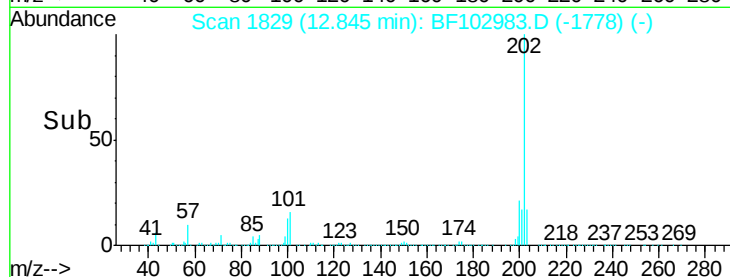
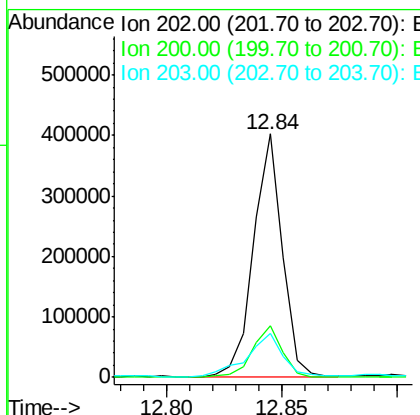
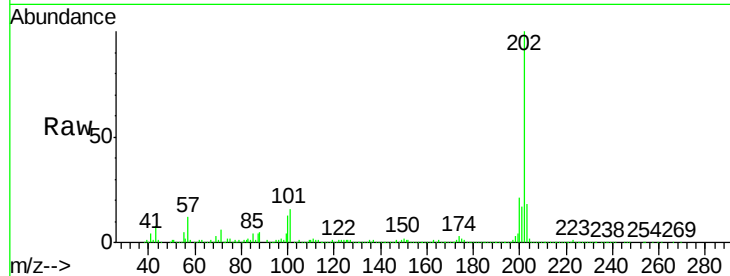
#77
Pvrene
Concen: 13.422 ng
RT: 12.84 min Scan# 1829
Delta R.T. 0.00 min
Lab File: BF102983.D
Acq: 14 Feb 2018 12:28

Instrument :
BNA_F
ClientSampled :
MM-1

Tot Ion	Ratio	Resp Lower	Upper
202	100		
200	21.3	17.4	26.2
203	18.0	14.3	21.5

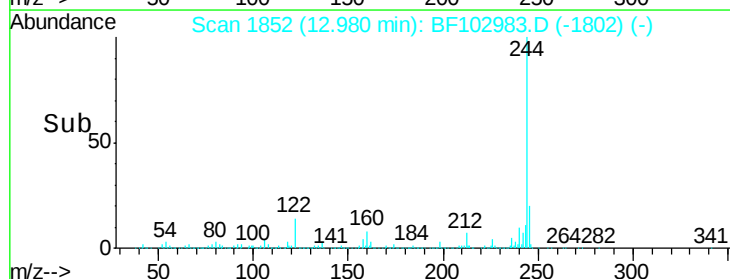
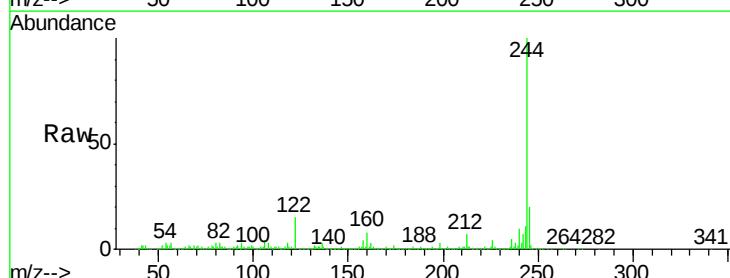
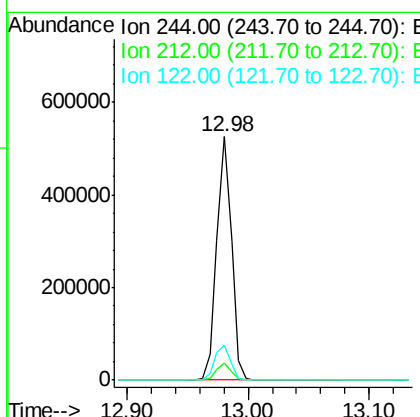
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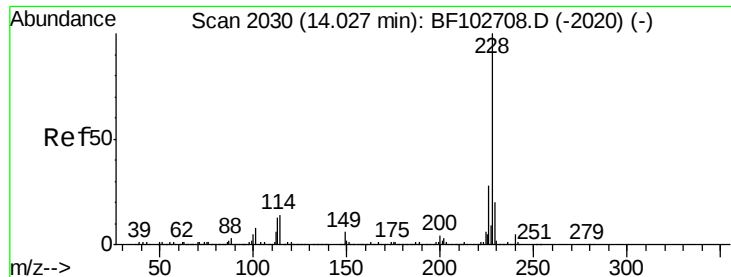
Sohil
2/15/2018 11:06:13 AM



#78
Terphenyl-d14
Concen: 31.270 ng
RT: 12.98 min Scan# 1852
Delta R.T. -0.01 min
Lab File: BF102983.D
Acq: 14 Feb 2018 12:28

Tgt Ion	Ratio	Resp Lower	Upper
244	100		
212	6.9	5.4	8.0
122	14.6	11.0	16.4





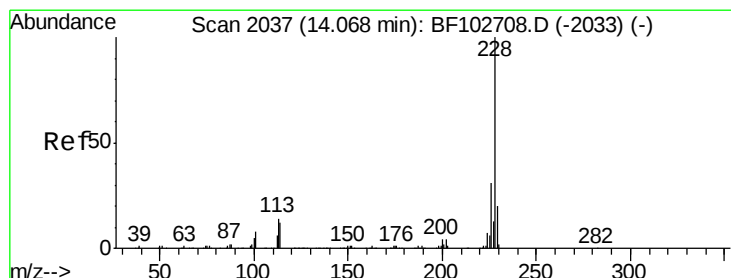
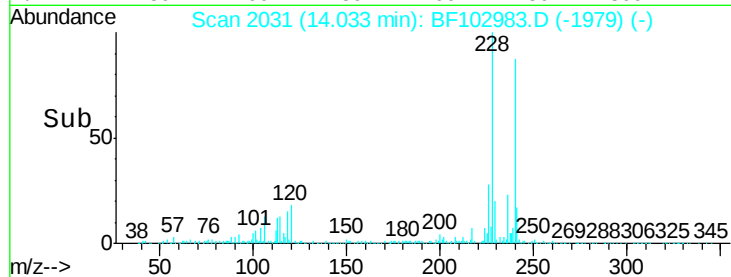
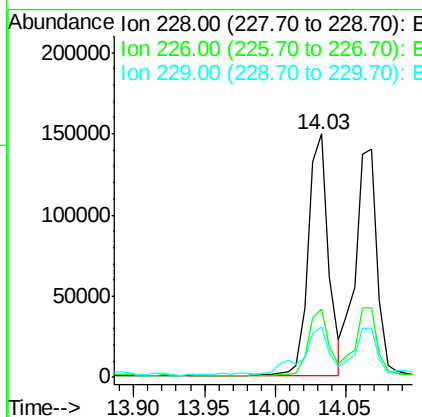
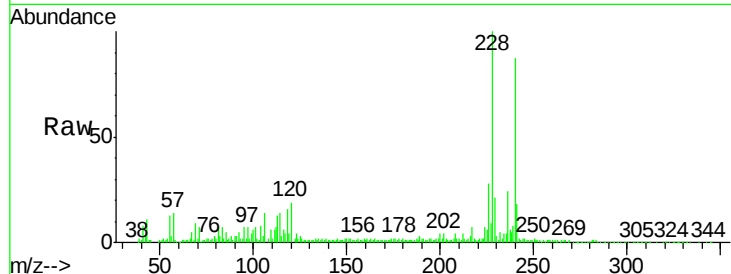
#80
Benzo(a)anthracene
Concen: 7.143 ng
RT: 14.03 min Scan# 2031
Delta R.T. 0.01 min
Lab File: BF102983.D
Acq: 14 Feb 2018 12:28

Instrument :
BNA_F
ClientSampleId :
MM-1

Tot Ion	Ratio	Lower	Upper
228	100		
226	28.1	22.6	33.8
229	20.5	15.8	23.6

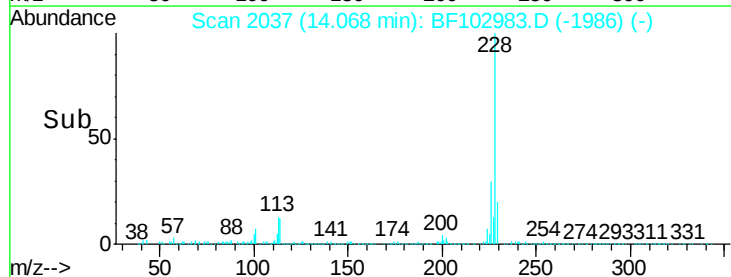
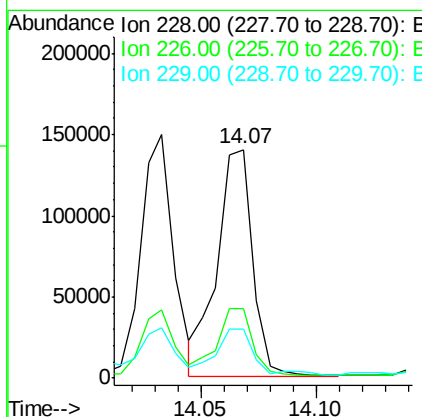
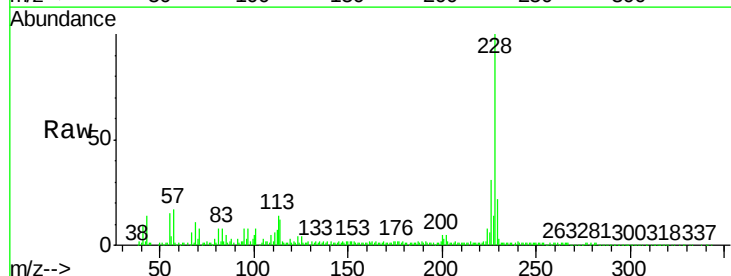
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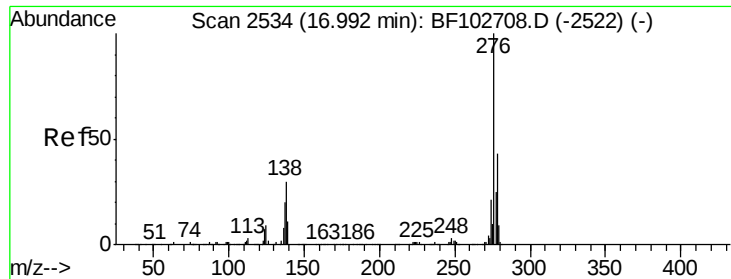
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#82
Chrysene
Concen: 7.162 ng
RT: 14.07 min Scan# 2037
Delta R.T. 0.00 min
Lab File: BF102983.D
Acq: 14 Feb 2018 12:28

Tgt Ion	Ratio	Lower	Upper
228	100		
226	30.6	25.0	37.6
229	21.6	16.2	24.4





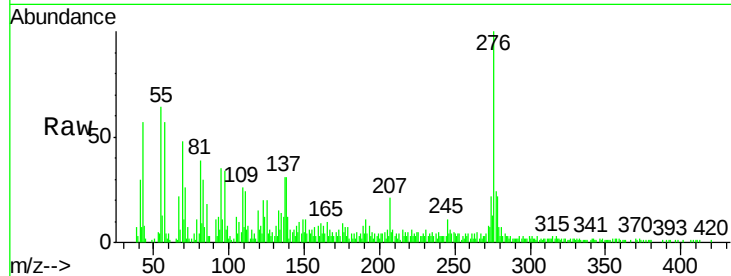
#85
Indeno(1,2,3-cd)pyrene
Concen: 3.082 ng
RT: 17.02 min Scan# 2538
Delta R.T. 0.02 min
Lab File: BF102983.D
Acq: 14 Feb 2018 12:28

Instrument :
BNA_F
ClientSampled :
MM-1

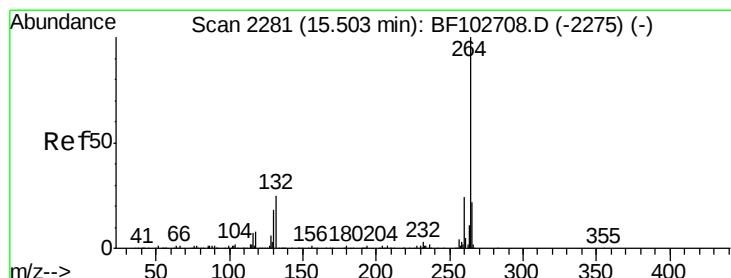
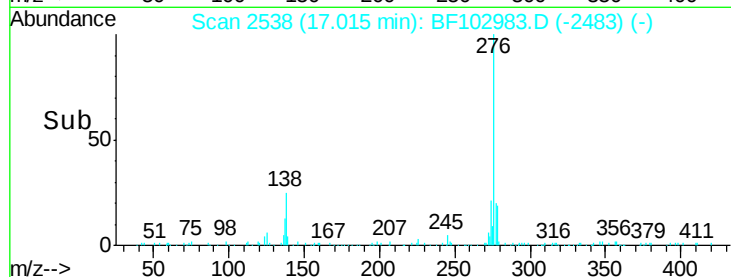
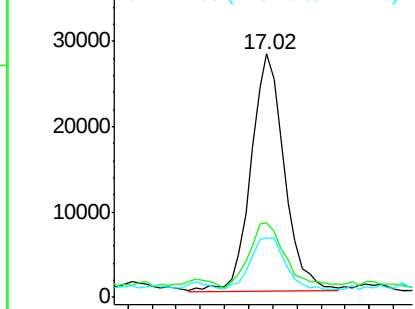
Tot Ion	Ratio	Lower	Upper
276	100		
138	29.4	25.0	37.6
277	22.8	20.1	30.1

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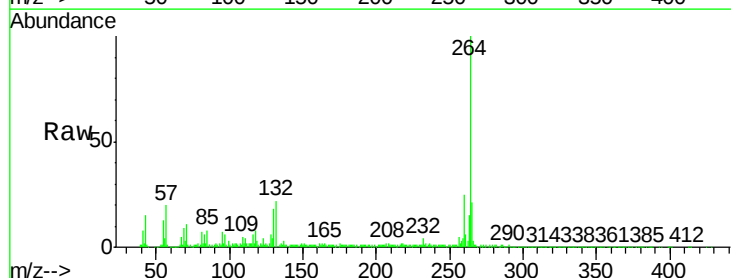


Abundance Ion 276.00 (275.70 to 276.70): E
Ion 138.00 (137.70 to 138.70): E
Ion 277.00 (276.70 to 277.70): E

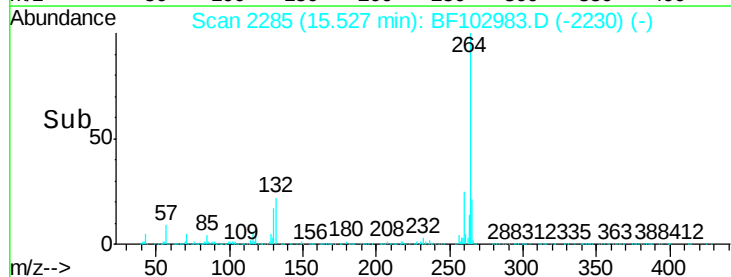
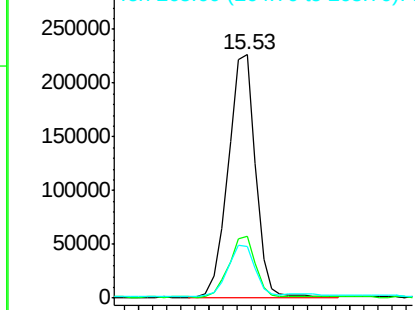


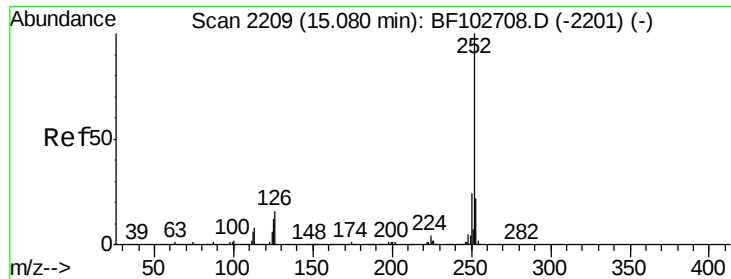
#86
Perylene-d12
Concen: 20.000 ng
RT: 15.53 min Scan# 2285
Delta R.T. 0.02 min
Lab File: BF102983.D
Acq: 14 Feb 2018 12:28

Tgt Ion	Ratio	Lower	Upper
264	100		
260	25.4	19.2	28.8
265	21.3	17.5	26.3



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





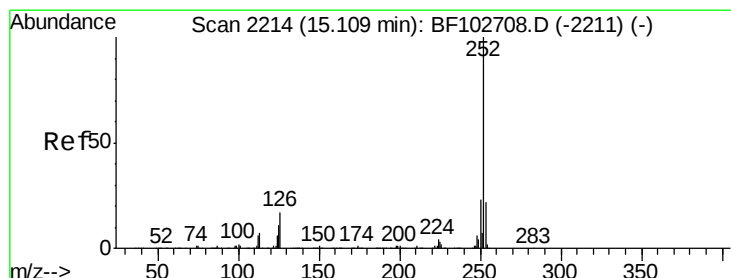
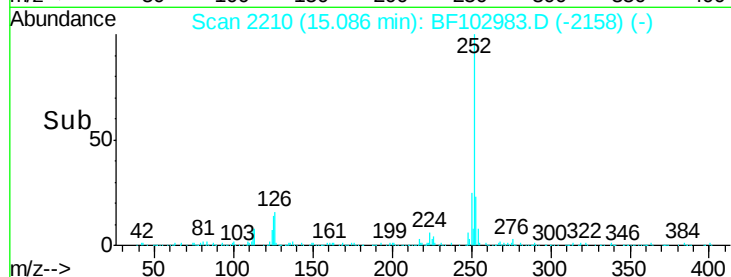
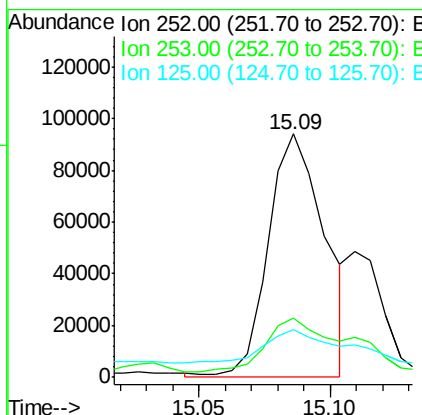
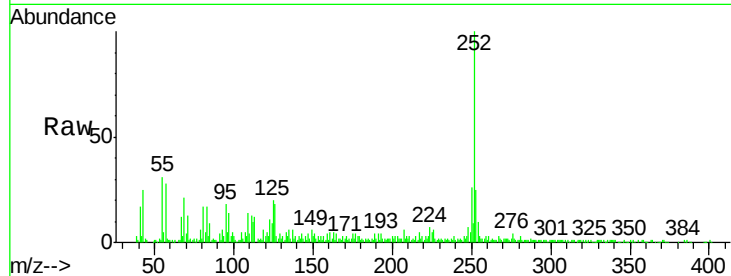
#87
Benzo(b)fluoranthene
Concen: 7.207 ng m
RT: 15.09 min Scan# 2210
Delta R.T. 0.01 min
Lab File: BF102983.D
Acq: 14 Feb 2018 12:28

Instrument :
BNA_F
ClientSampleId :
MM-1

Tot Ion	Ratio	Lower	Upper
252	100		
253	24.6	17.0	25.6
125	19.8	9.0	13.6

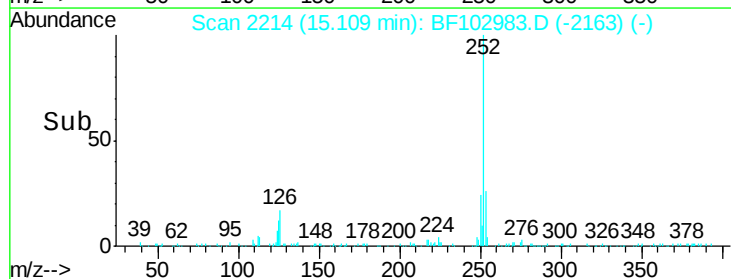
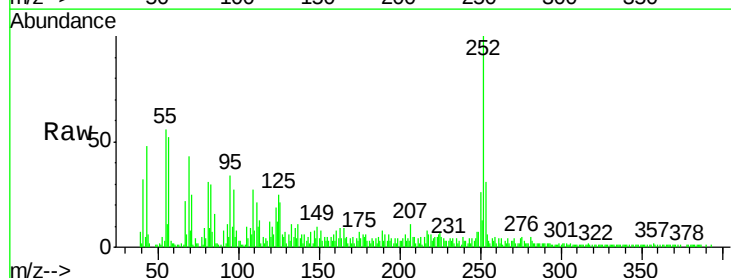
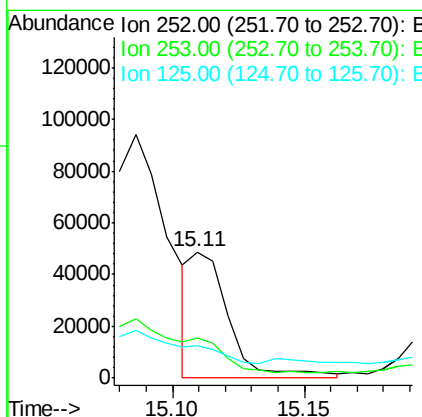
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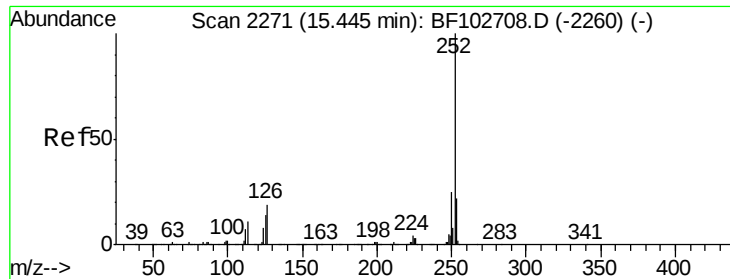
Sohil
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#88
Benzo(k)fluoranthene
Concen: 2.614 ng m
RT: 15.11 min Scan# 2214
Delta R.T. 0.00 min
Lab File: BF102983.D
Acq: 14 Feb 2018 12:28

Tgt Ion	Ratio	Lower	Upper
252	100		
253	31.3	17.9	26.9
125	25.5	10.2	15.2





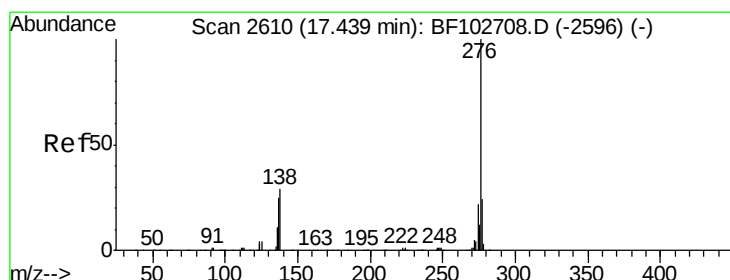
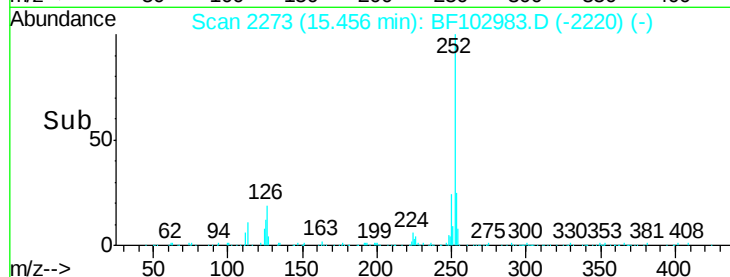
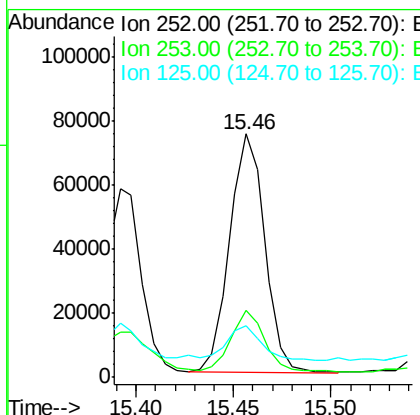
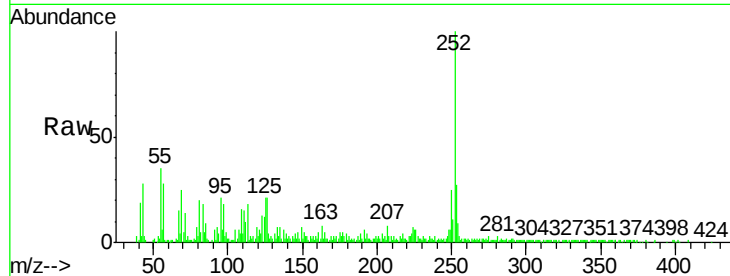
#89
Benzo(a)pyrene
Concen: 5.257 ng
RT: 15.46 min Scan# 2273
Delta R.T. 0.01 min
Lab File: BF102983.D
Acq: 14 Feb 2018 12:28

Instrument :
BNA_F
ClientSampleId :
MM-1

Tot Ion	Ratio	Lower	Upper
252	100		
253	27.5	17.1	25.7#
125	21.0	9.8	14.6#

Manual Integrations
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#91
Benzo(g,h,i)perylene
Concen: 4.591 ng
RT: 17.47 min Scan# 2616
Delta R.T. 0.04 min
Lab File: BF102983.D
Acq: 14 Feb 2018 12:28

Tgt Ion	Ratio	Lower	Upper
276	100		
277	28.1	17.9	26.9#
138	29.5	21.8	32.8

