

Data Path : Z:\HPCHEM1\BNA F\DATA\BF032718\
 Data File : BF103983.D
 Acq On : 27 Mar 2018 21:14
 Operator : JU/SJ
 Sample : J2052-03
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TP-BD

Manual Integrations
 APPROVED

Sohil
 3/28/2018 4:54:28 PM

Quant Time: Mar 28 05:49:34 2018
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF031518.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Mar 23 13:26:17 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.97	152	131683	20.00	ng	0.00
21) Naphthalene-d8	8.25	136	527766	20.00	ng	0.00
38) Acenaphthene-d10	10.01	164	226620	20.00	ng	-0.01
63) Phenanthrene-d10	11.50	188	355423	20.00	ng	0.00
75) Chrysene-d12	14.16	240	249002	20.00	ng	-0.01
86) Perylene-d12	15.70	264	214166	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.60	112	744396	85.98	ng	0.01
7) Phenol-d6	6.60	99	912584	86.16	ng	0.00
23) Nitrobenzene-d5	7.53	82	526973	69.63	ng	0.00
41) 2,4,6-Tribromophenol	10.80	330	199850	102.57	ng	0.00
44) 2-Fluorobiphenyl	9.33	172	903052	63.56	ng	0.00
78) Terphenyl-d14	13.09	244	677626	63.17	ng	-0.01
Target Compounds						
10) Phenol	6.62	94	23202	2.061	ng	Qvalue # 57
48) Acenaphthylene	9.87	152	51404	2.209	ng	97
49) Dimethylphthalate	9.72	163	67994	3.933	ng	99
70) Phenanthrene	11.53	178	102835	5.289	ng	96
71) Anthracene	11.58	178	44712	2.264	ng	98
74) Fluoranthene	12.72	202	385443	19.243	ng	99
77) Pyrene	12.96	202	385597	21.086	ng	98
80) Benzo(a)anthracene	14.14	228	196803	12.486	ng	98
82) Chrysene	14.19	228	172267	11.465	ng	97
85) Indeno(1,2,3-cd)pyrene	17.28	276	85090	6.485	ng	# 93
87) Benzo(b)fluoranthene	15.24	252	288123m	21.294	ng	
88) Benzo(k)fluoranthene	15.27	252	65238m	5.016	ng	
89) Benzo(a)pyrene	15.63	252	150748	12.284	ng	96
90) Dibenzo(a,h)anthracene	17.29	278	28141m	2.648	ng	
91) Benzo(a,h,i)perylene	17.76	276	69913	6.763	ng	93

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

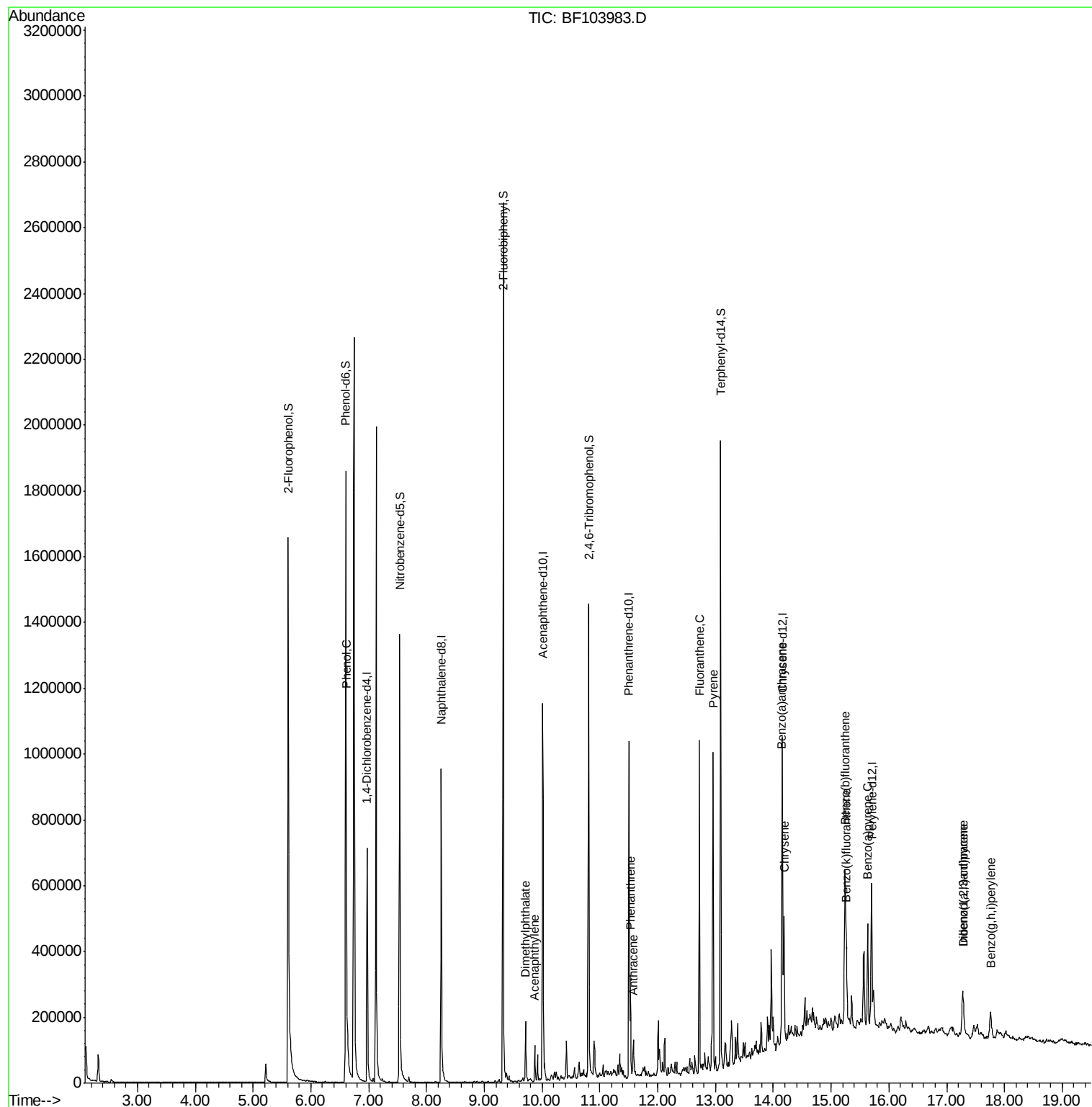
Data Path : Z:\HPCHEM1\BNA F\DATA\BF032718\
Data File : BF103983.D
Acq On : 27 Mar 2018 21:14
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ALS Vial : 15 Sample Multiplier: 1

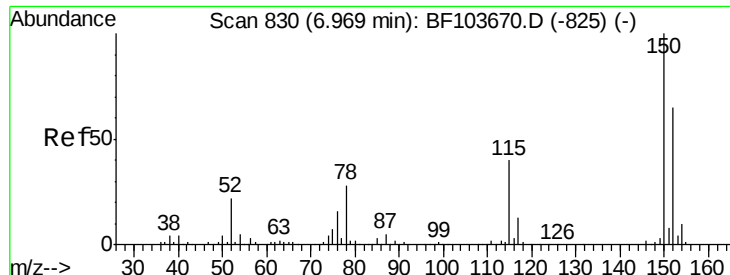
Instrument :
BNA_F
ClientSampled :
TP-BD

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#1

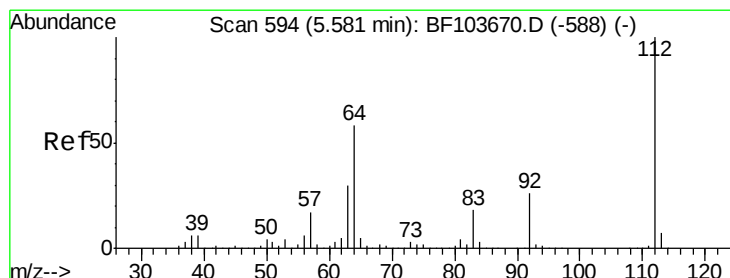
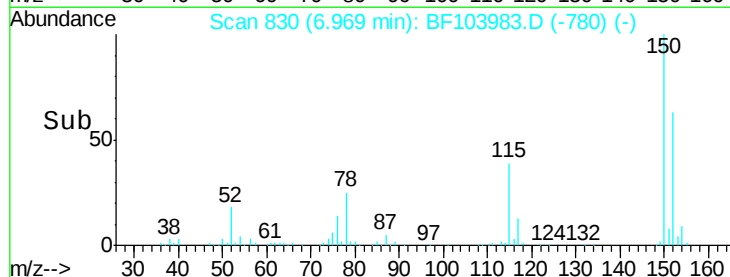
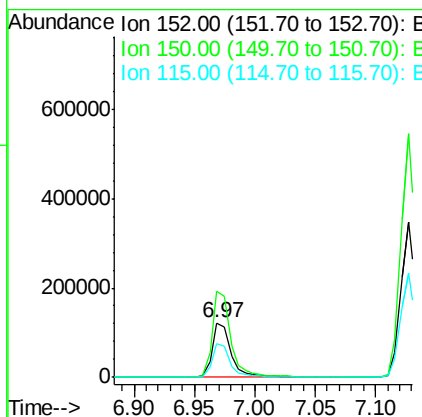
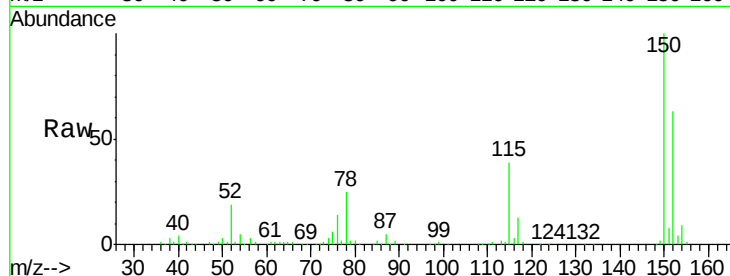
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.97 min Scan# 830
Delta R.T. -0.01 min
Lab File: BF103983.D
Acq: 27 Mar 2018 21:14

Instrument :
BNA_F
ClientSampled :
TP-BD

Tot Ion	Ratio	Lower	Upper
152	100		
150	159.0	124.6	186.8
115	62.8	50.1	75.1

Manual Integrations
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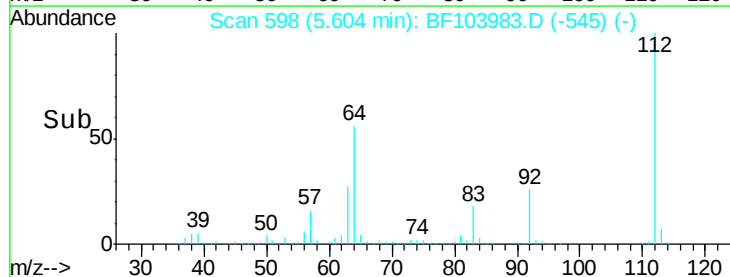
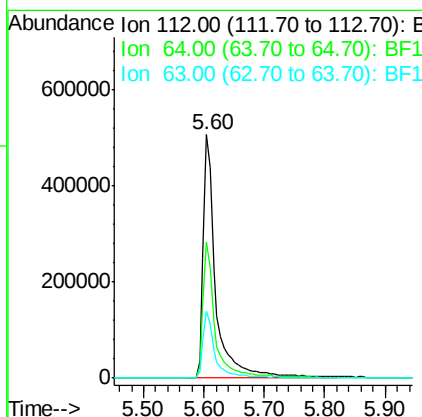
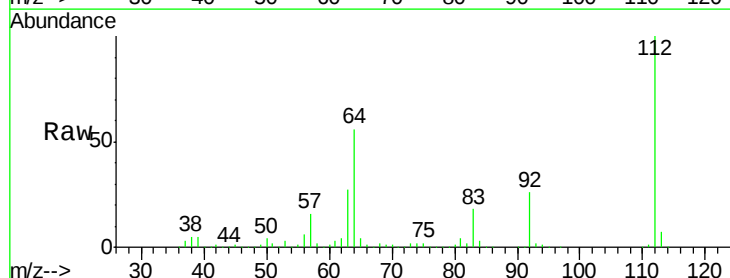
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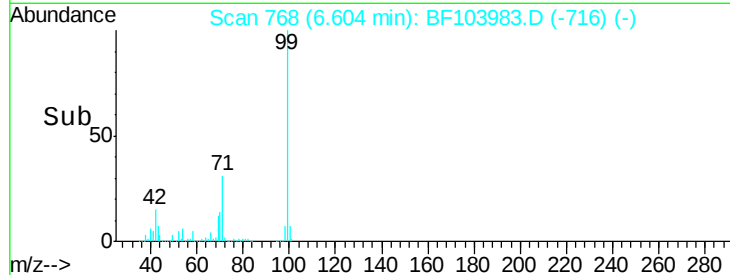
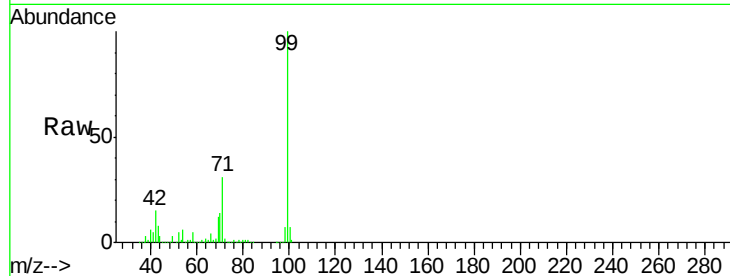
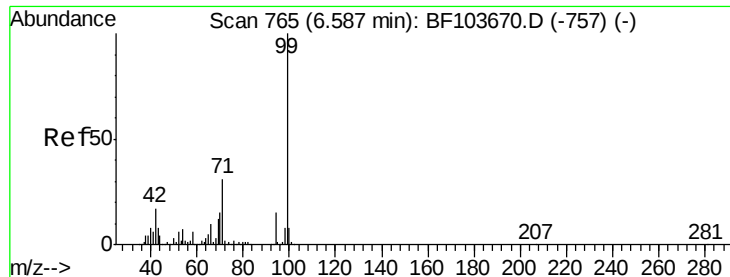


#5

2-Fluorophenol
Concen: 85.981 ng
RT: 5.60 min Scan# 598
Delta R.T. 0.01 min
Lab File: BF103983.D
Acq: 27 Mar 2018 21:14

Tgt Ion	Ratio	Lower	Upper
112	100		
64	55.8	47.9	71.9
63	27.3	23.7	35.5





#7

Phenol-d6

Concen: 86.157 ng

RT: 6.60 min Scan# 768

Delta R.T. 0.01 min

Lab File: BF103983.D

Acq: 27 Mar 2018 21:14

Tot Ion:	99	Resp:	912584
Ion Ratio	Lower	Upper	
99	100		
42	14.9	14.5	21.7
71	31.3	25.4	38.0

Instrument :

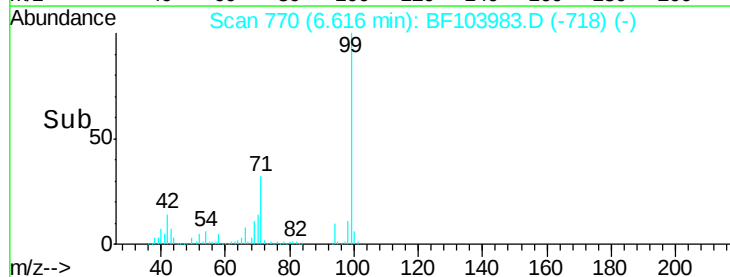
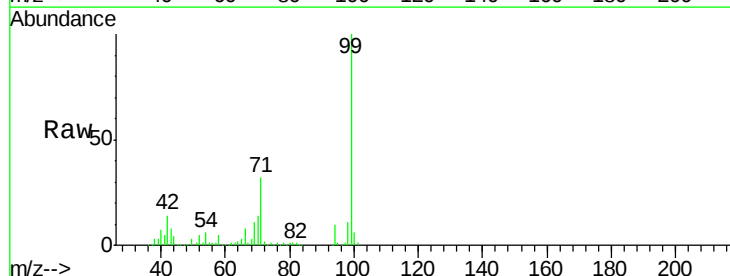
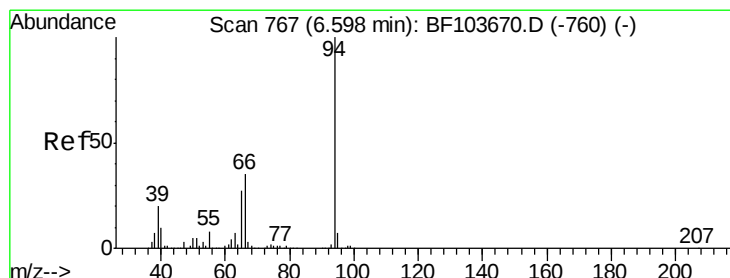
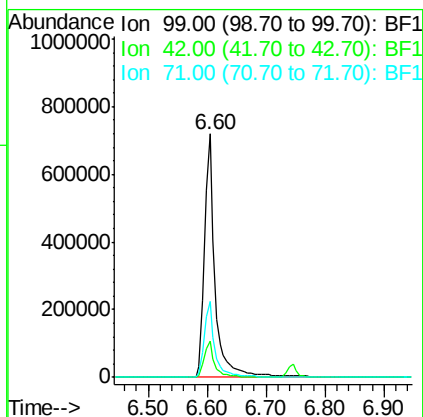
BNA_F

ClientSampled :

TP-BD

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#10

Phenol

Concen: 2.061 ng

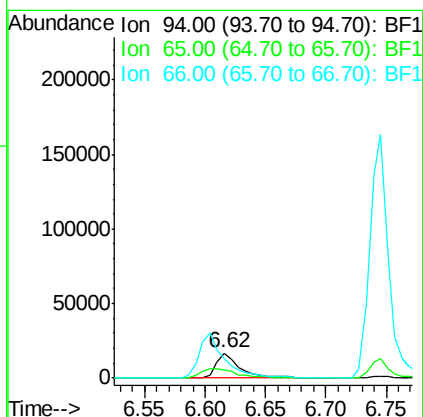
RT: 6.62 min Scan# 770

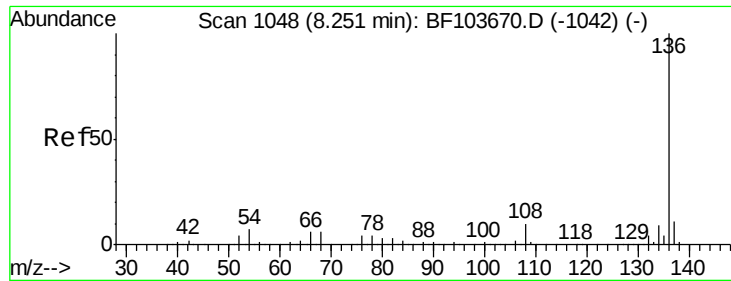
Delta R.T. 0.01 min

Lab File: BF103983.D

Acq: 27 Mar 2018 21:14

Tgt Ion:	94	Resp:	23202
Ion Ratio	Lower	Upper	
94	100		
65	32.8	7.9	47.9
66	76.7	16.2	56.2#





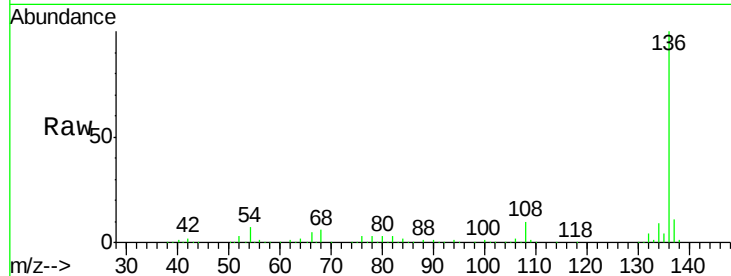
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.25 min Scan# 1048
Delta R.T. -0.01 min
Lab File: BF103983.D
Acq: 27 Mar 2018 21:14

Instrument :
BNA_F
ClientSampleId :
TP-BD

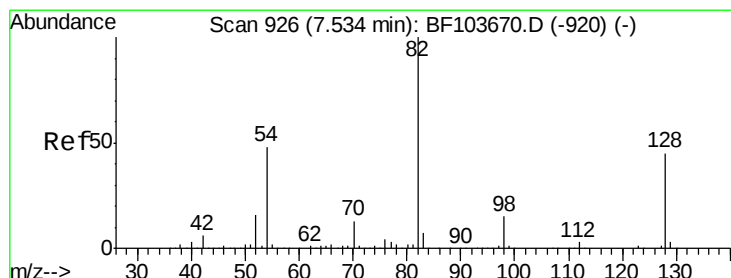
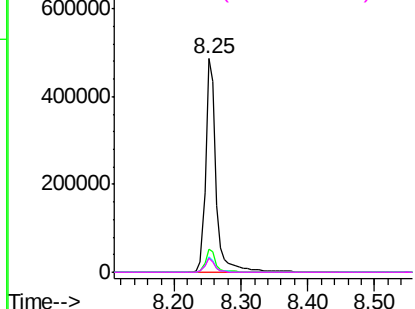
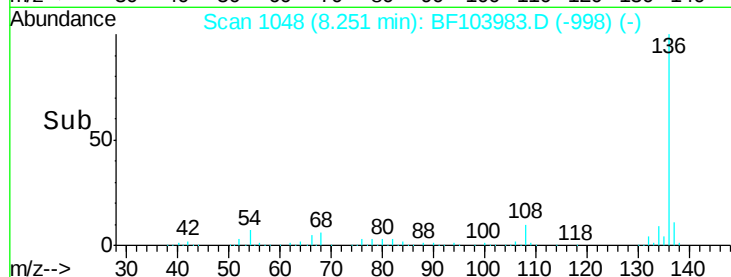
Tot Ion	Ratio	Resp	Lower	Upper
136	100	527766		
137	11.0	8.9	13.3	
54	7.3	6.6	9.8	
68	6.5	5.0	7.4	

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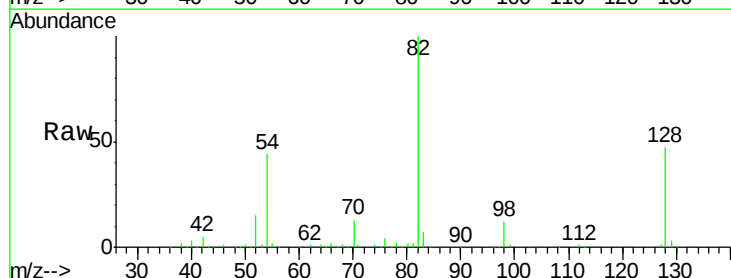


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF1
Ion 68.00 (67.70 to 68.70): BF1

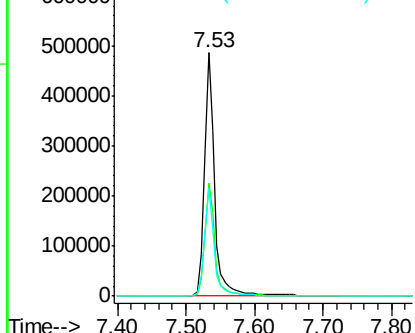
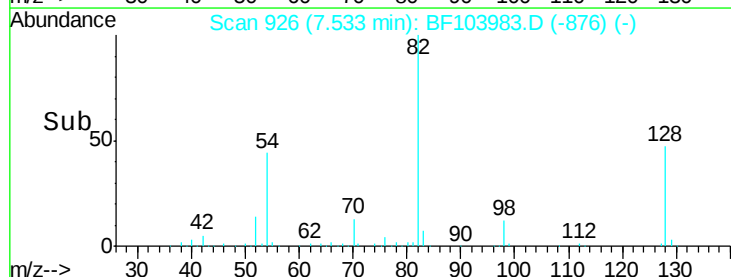


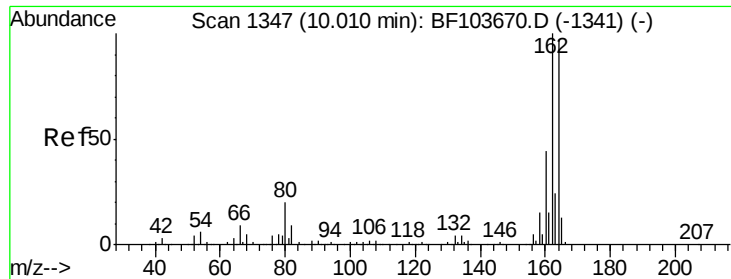
#23
Nitrobenzene-d5
Concen: 69.631 ng
RT: 7.53 min Scan# 926
Delta R.T. -0.01 min
Lab File: BF103983.D
Acq: 27 Mar 2018 21:14

Tgt Ion	Ratio	Resp	Lower	Upper
82	100	526973		
128	46.6	36.1	54.1	
54	44.5	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





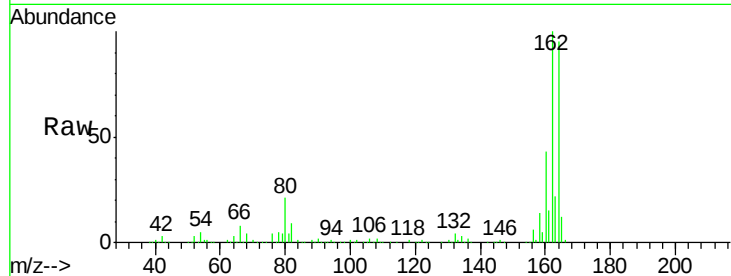
#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 10.01 min Scan# 1347
Delta R.T. -0.01 min
Lab File: BF103983.D
Acq: 27 Mar 2018 21:14

Instrument :
BNA_F
ClientSampled :
TP-BD

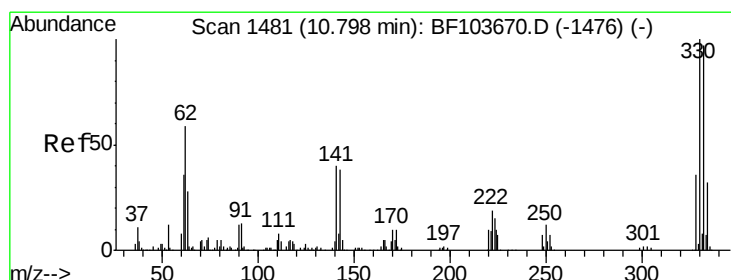
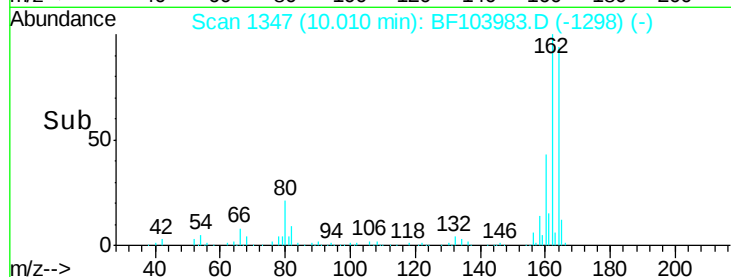
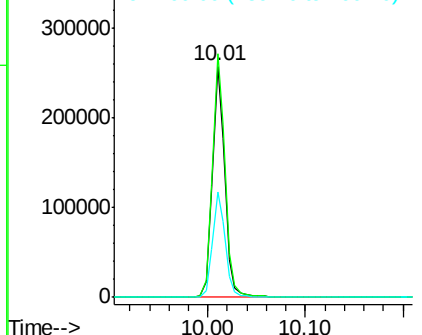
Tot Ion	Ratio	Resp	Lower	Upper
164	100			
162	105.3	86.1	129.1	
160	45.5	38.3	57.5	

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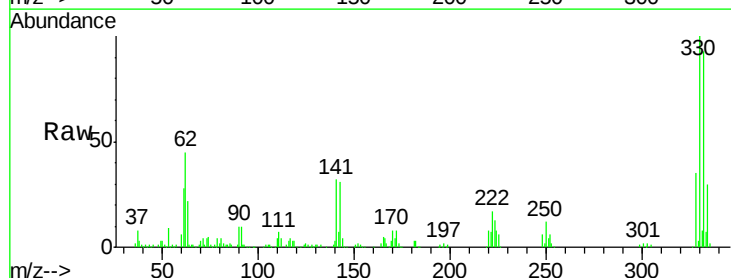


Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E

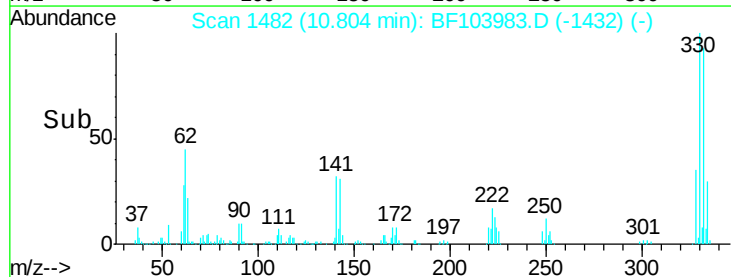
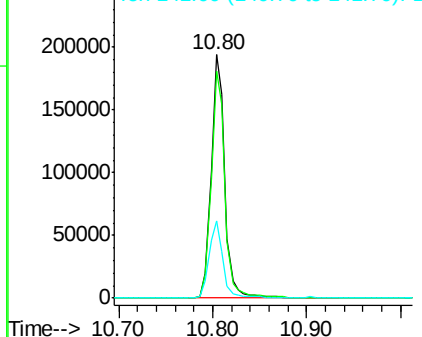


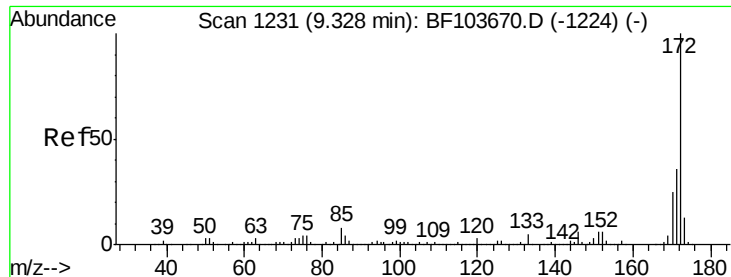
#41
2,4,6-Tribromophenol
Concen: 102.566 ng
RT: 10.80 min Scan# 1482
Delta R.T. -0.01 min
Lab File: BF103983.D
Acq: 27 Mar 2018 21:14

Tgt Ion	Ratio	Resp	Lower	Upper
330	100			
332	94.2	77.0	115.6	
141	32.2	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





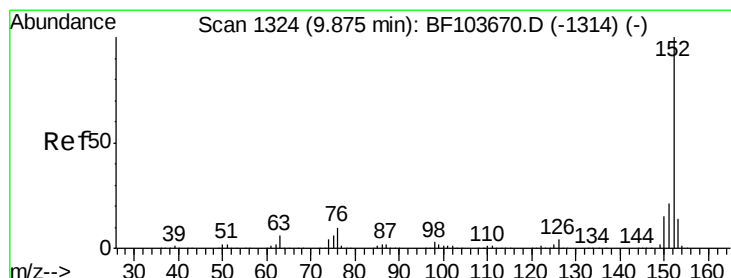
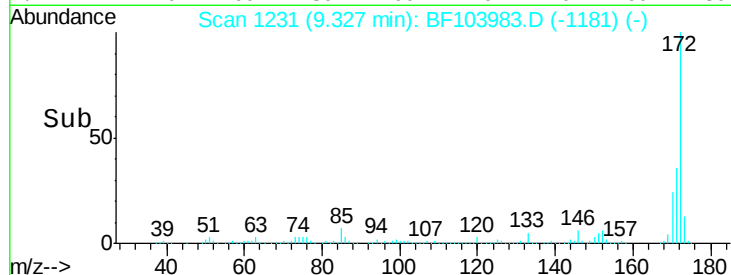
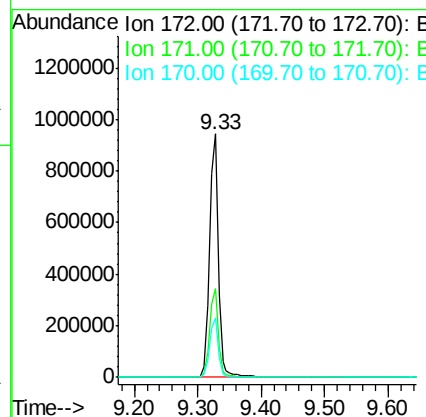
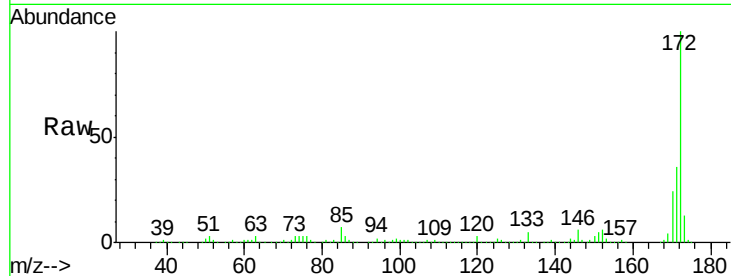
#44
2-Fluorobiphenyl
Concen: 63.565 ng
RT: 9.33 min Scan# 1231
Delta R.T. -0.01 min
Lab File: BF103983.D
Acq: 27 Mar 2018 21:14

Instrument :
BNA_F
ClientSampleId :
TP-BD

Tot Ion	Ratio	Lower	Upper
172	100		
171	36.4	29.7	44.5
170	24.2	19.6	29.4

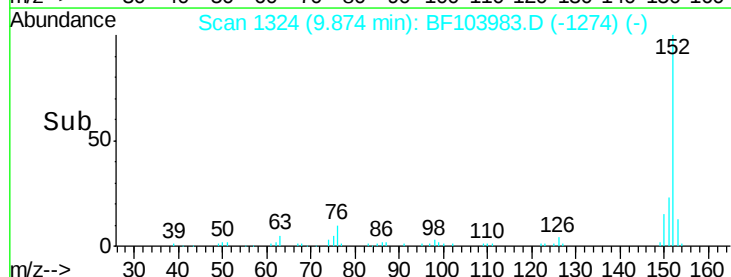
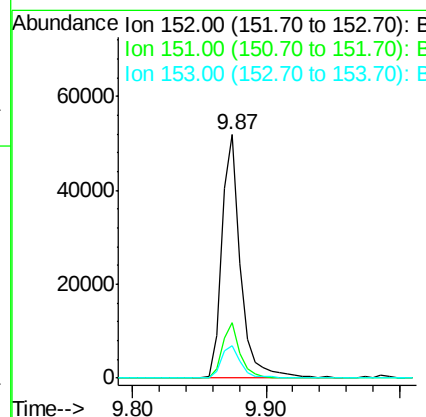
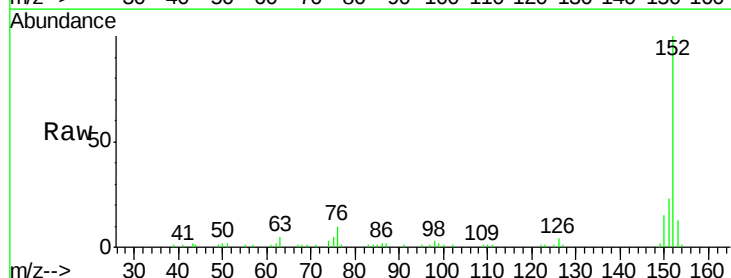
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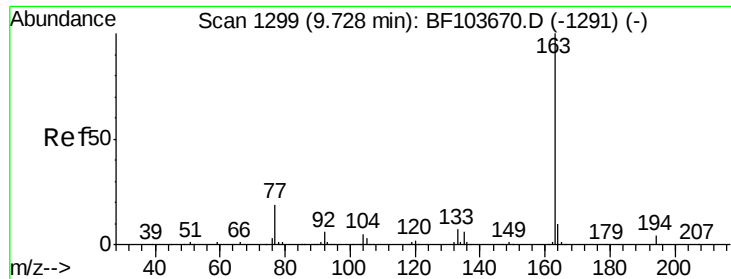
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#48
Acenaphthylene
Concen: 2.209 ng
RT: 9.87 min Scan# 1324
Delta R.T. -0.01 min
Lab File: BF103983.D
Acq: 27 Mar 2018 21:14

Tgt Ion	Ratio	Lower	Upper
152	100		
151	22.8	16.3	24.5
153	13.5	10.7	16.1





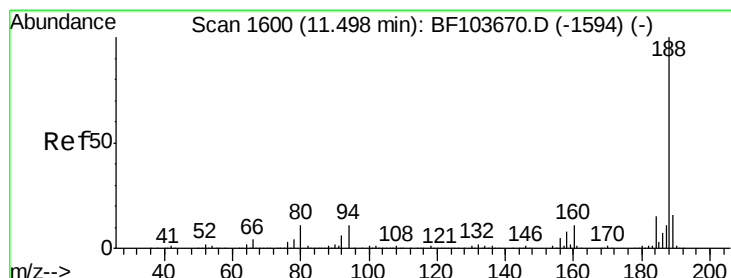
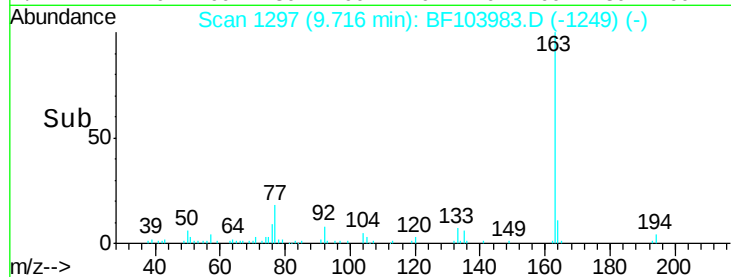
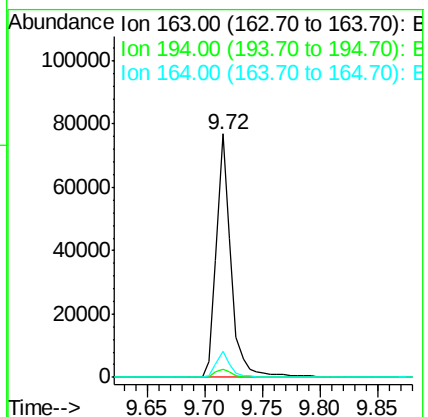
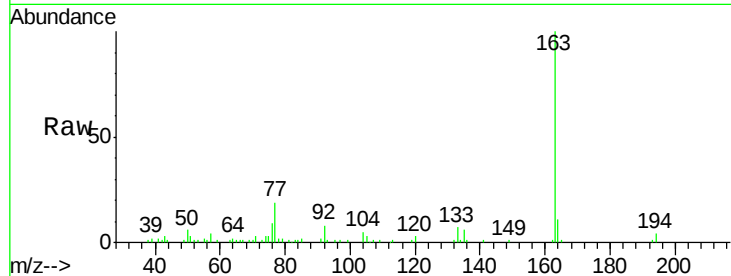
#49
Dimethylphthalate
Concen: 3.933 ng
RT: 9.72 min Scan# 1297
Delta R.T. -0.02 min
Lab File: BF103983.D
Acq: 27 Mar 2018 21:14

Instrument :
BNA_F
ClientSampled :
TP-BD

Tot Ion	Ratio	Lower	Upper
163	100		
194	3.5	2.7	4.1
164	10.8	8.2	12.2

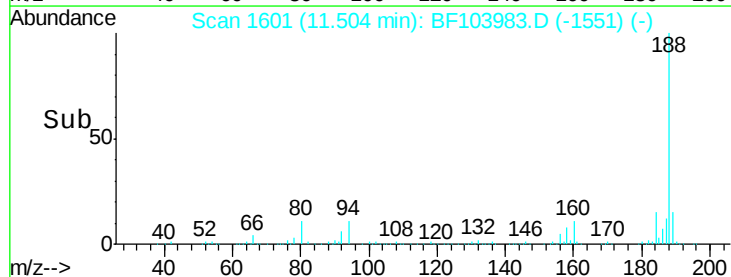
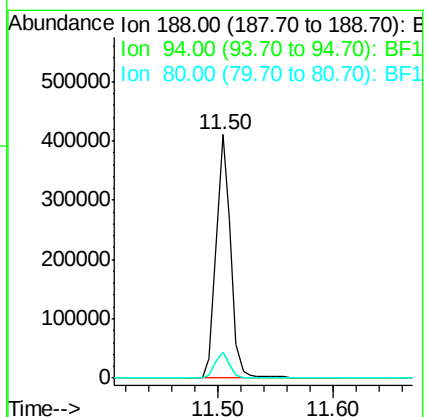
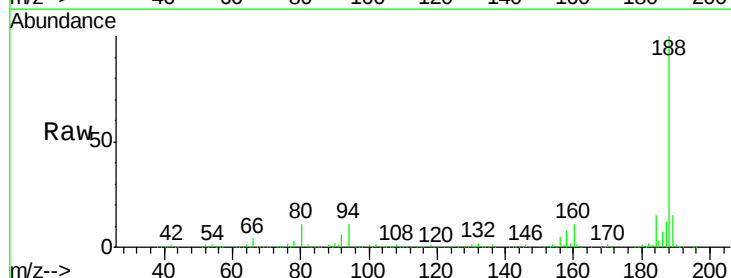
Manual Integrations
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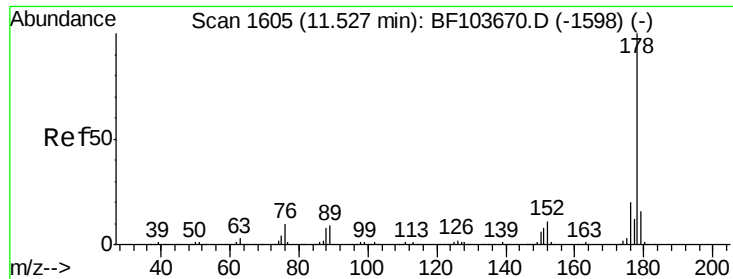
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3/28/2018 4:54:28 PM



#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.50 min Scan# 1601
Delta R.T. -0.01 min
Lab File: BF103983.D
Acq: 27 Mar 2018 21:14

Tgt Ion	Ratio	Lower	Upper
188	100		
94	10.6	8.5	12.7
80	10.9	9.2	13.8





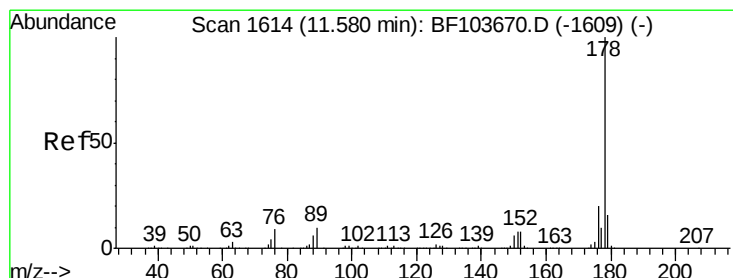
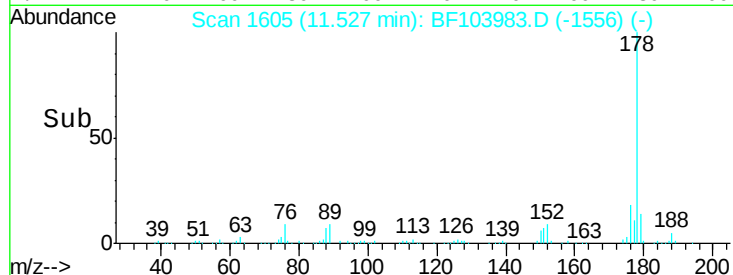
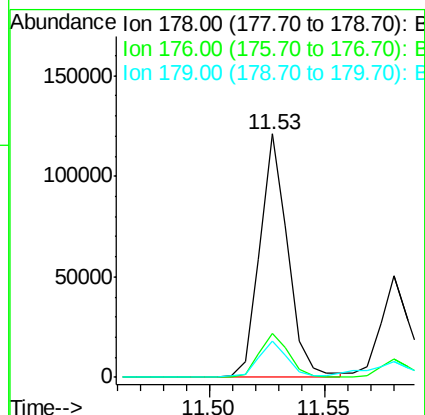
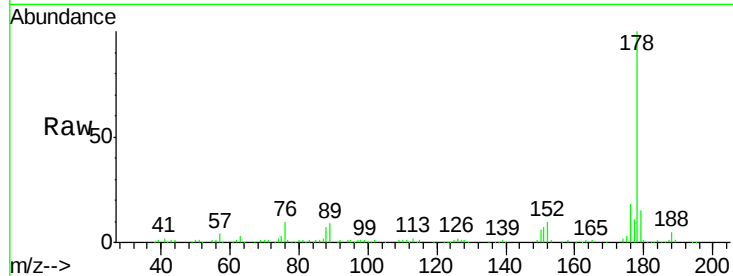
#70
Phenanthrene
Concen: 5.289 ng
RT: 11.53 min Scan# 1605
Delta R.T. -0.01 min
Lab File: BF103983.D
Acq: 27 Mar 2018 21:14

Instrument :
BNA_F
ClientSampleId :
TP-BD

Tot Ion	Ratio	Lower	Upper
178	100		
176	18.2	15.8	23.8
179	14.7	13.0	19.6

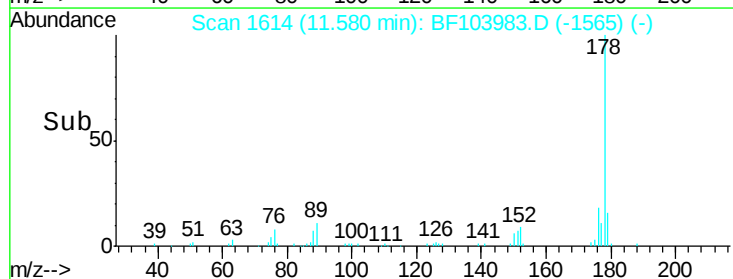
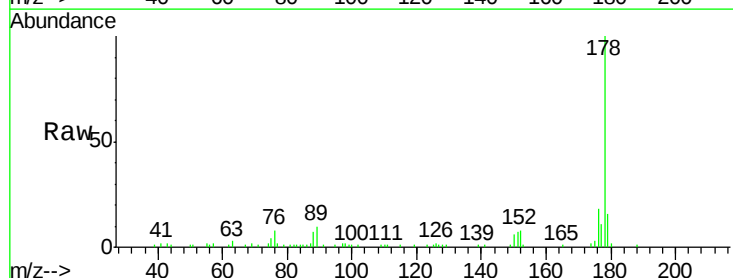
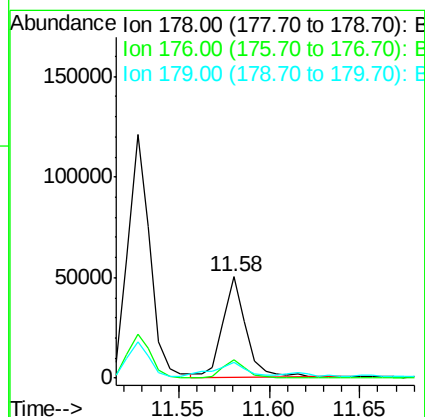
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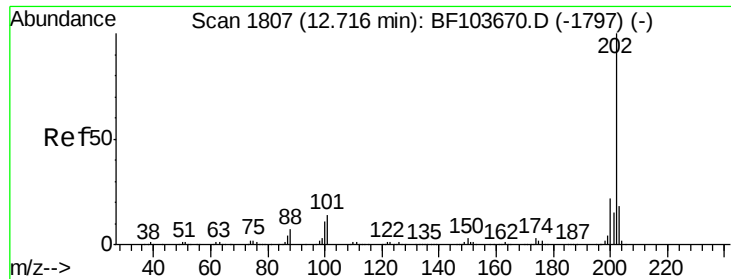
Sohil
3/28/2018 4:54:28 PM



#71
Anthracene
Concen: 2.264 ng
RT: 11.58 min Scan# 1614
Delta R.T. -0.01 min
Lab File: BF103983.D
Acq: 27 Mar 2018 21:14

Tgt Ion	Ratio	Lower	Upper
178	100		
176	18.1	15.4	23.2
179	15.6	12.6	19.0





#74

Fluoranthene

Concen: 19.243 ng

RT: 12.72 min Scan# 1808

Delta R.T. -0.01 min

Lab File: BF103983.D

Acq: 27 Mar 2018 21:14

Instrument :

BNA_F

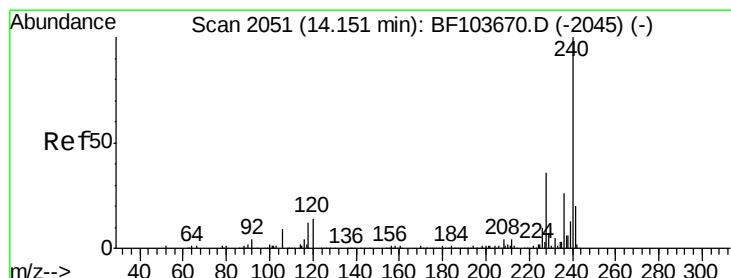
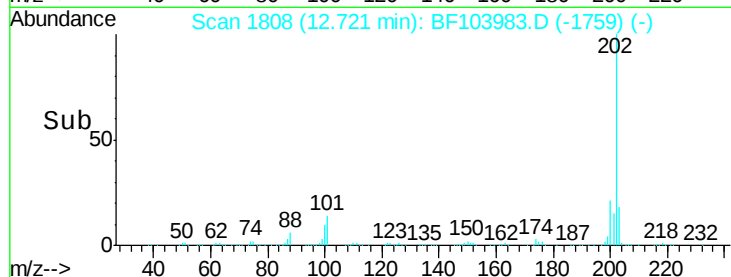
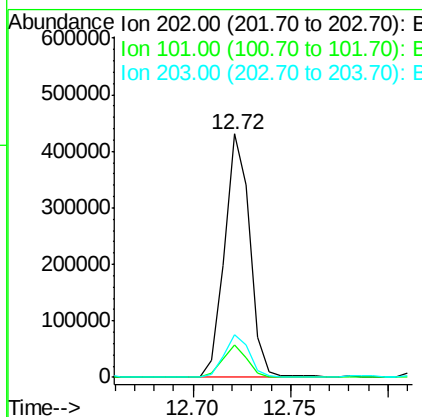
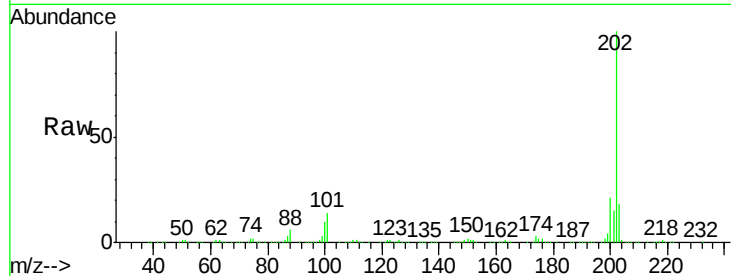
ClientSampled :

TP-BD

Tot Ion	Ratio	Resp	Lower	Upper
202	100	385443		
101	13.5	0.0	34.1	
203	17.7	0.0	38.1	

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#75

Chrysene-d12

Concen: 20.000 ng

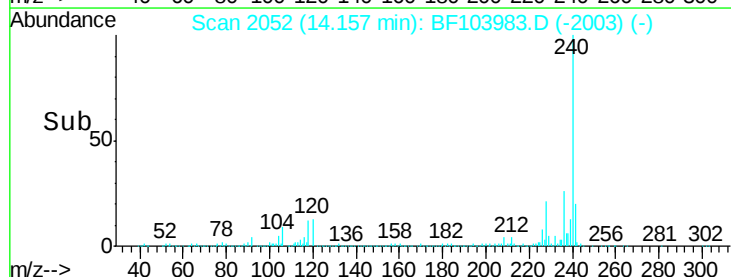
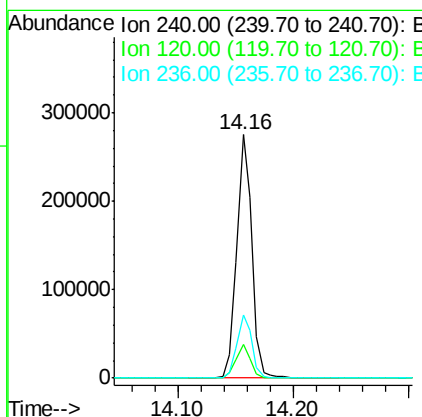
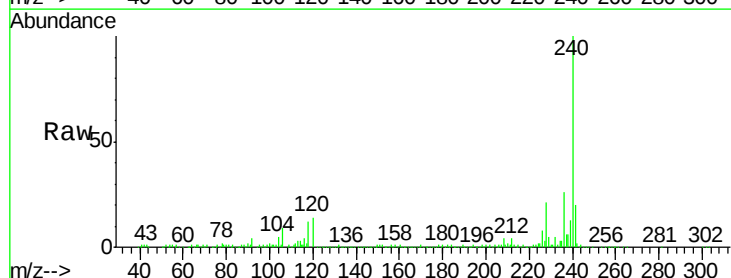
RT: 14.16 min Scan# 2052

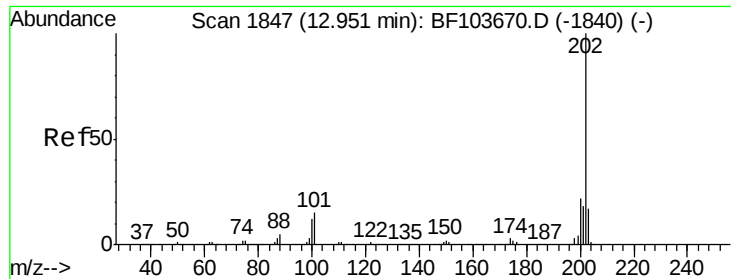
Delta R.T. -0.01 min

Lab File: BF103983.D

Acq: 27 Mar 2018 21:14

Tgt Ion	Ratio	Resp	Lower	Upper
240	100	249002		
120	13.6	9.5	14.3	
236	26.0	20.7	31.1	





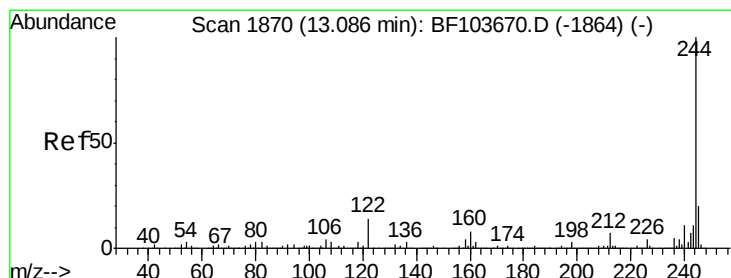
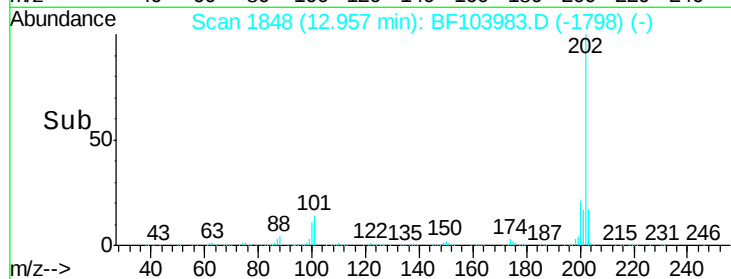
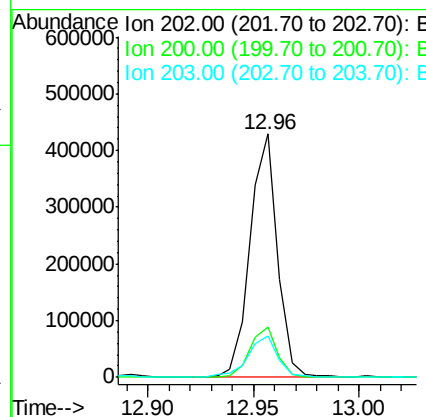
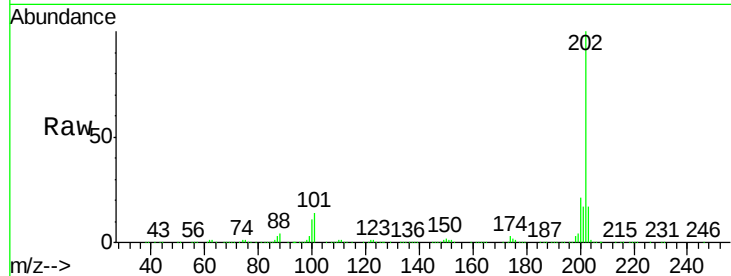
#77
Pvrene
Concen: 21.086 ng
RT: 12.96 min Scan# 1848
Delta R.T. -0.01 min
Lab File: BF103983.D
Acq: 27 Mar 2018 21:14

Instrument :
BNA_F
ClientSampled :
TP-BD

Tot Ion	Ratio	Resp Lower	Upper
202	100		
200	20.9	17.4	26.2
203	17.2	14.3	21.5

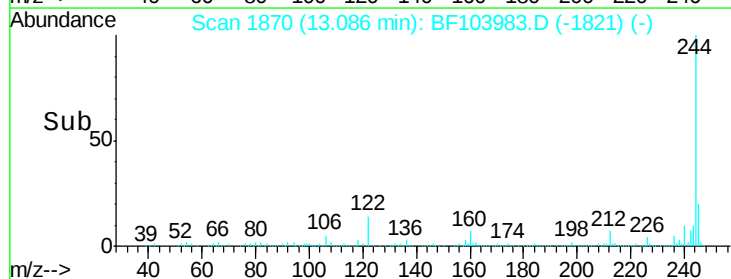
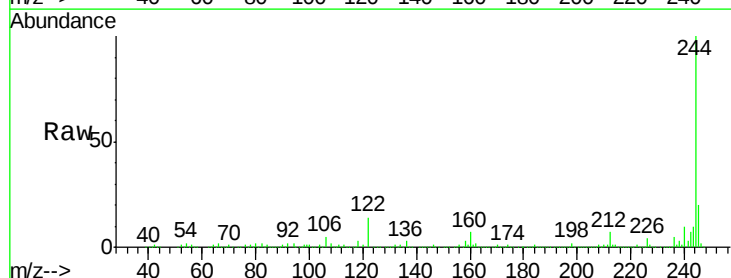
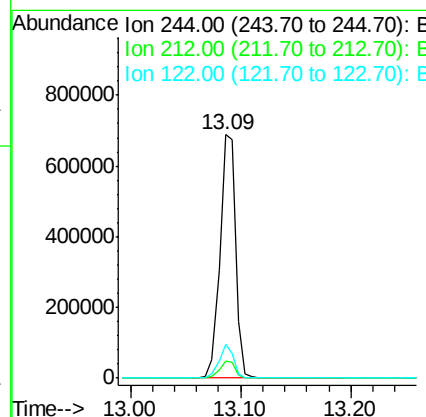
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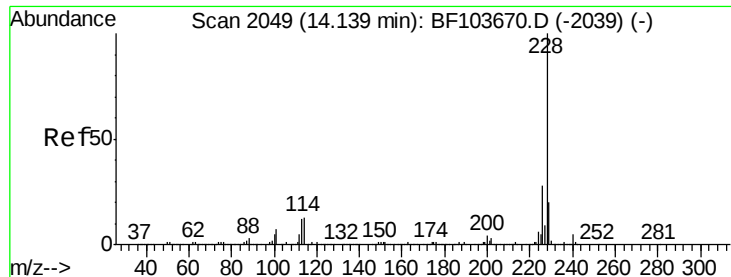
Sohil
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#78
Terphenyl-d14
Concen: 63.167 ng
RT: 13.09 min Scan# 1870
Delta R.T. -0.01 min
Lab File: BF103983.D
Acq: 27 Mar 2018 21:14

Tgt Ion	Ratio	Resp Lower	Upper
244	100		
212	6.8	5.4	8.0
122	13.6	11.0	16.4





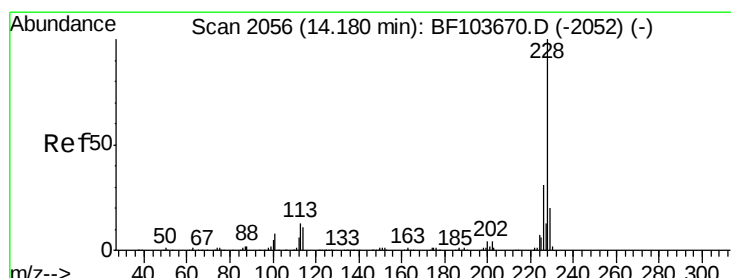
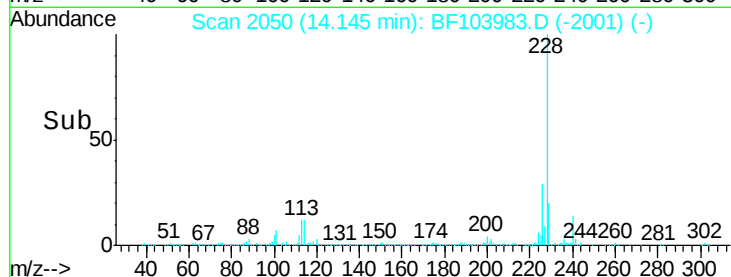
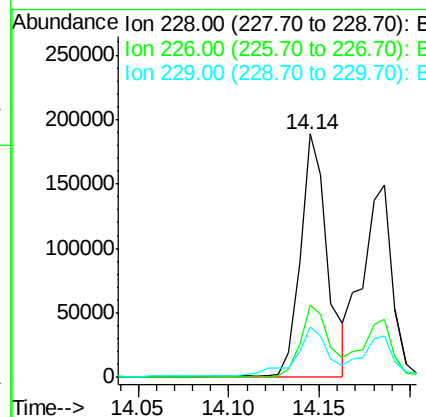
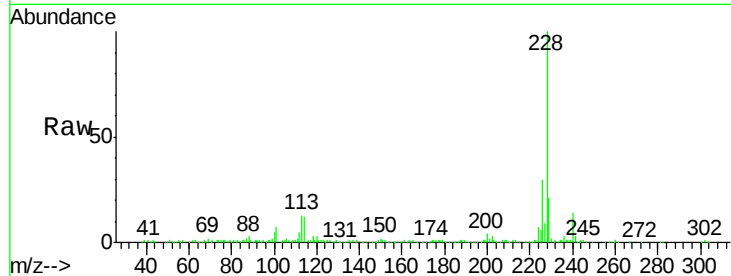
#80
Benzo(a)anthracene
Concen: 12.486 ng
RT: 14.14 min Scan# 2050
Delta R.T. -0.01 min
Lab File: BF103983.D
Acq: 27 Mar 2018 21:14

Instrument :
BNA_F
ClientSampled :
TP-BD

Tot Ion	Ratio	Lower	Upper
228	100		
226	29.6	22.6	33.8
229	20.6	15.8	23.6

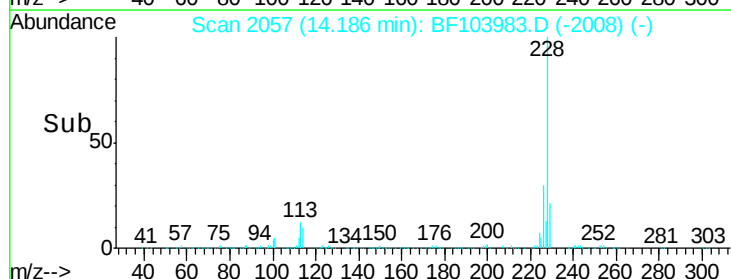
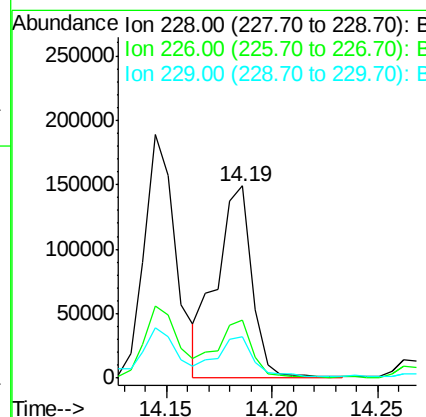
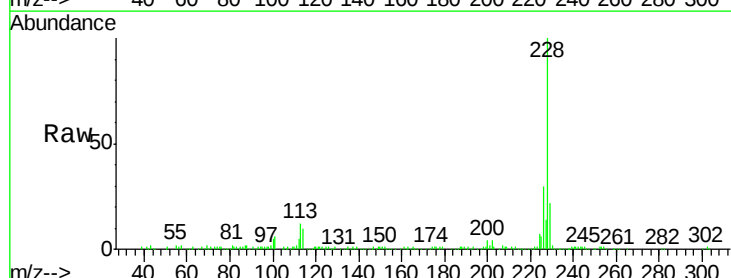
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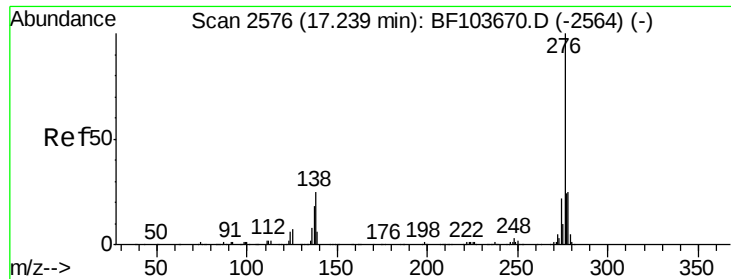
Sohil
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#82
Chrysene
Concen: 11.465 ng
RT: 14.19 min Scan# 2057
Delta R.T. -0.01 min
Lab File: BF103983.D
Acq: 27 Mar 2018 21:14

Tgt Ion	Ratio	Lower	Upper
228	100		
226	29.9	25.0	37.6
229	21.6	16.2	24.4





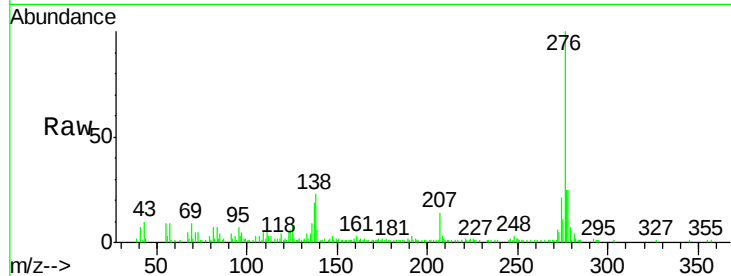
#85
 Indeno(1,2,3-cd)pyrene
 Concen: 6.485 ng
 RT: 17.28 min Scan# 2583
 Delta R.T. -0.02 min
 Lab File: BF103983.D
 Acq: 27 Mar 2018 21:14

Instrument :
 BNA_F
 ClientSampleId :
 TP-BD

Tot Ion	Ratio	Lower	Upper
276	100		
138	25.0	25.0	37.6#
277	24.8	20.1	30.1

Manual Integrations
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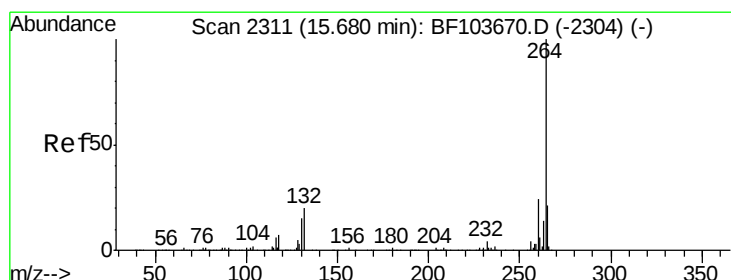
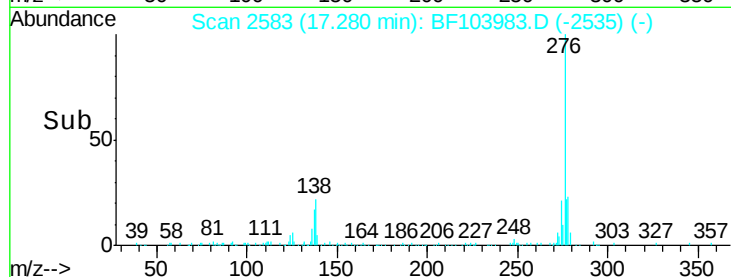
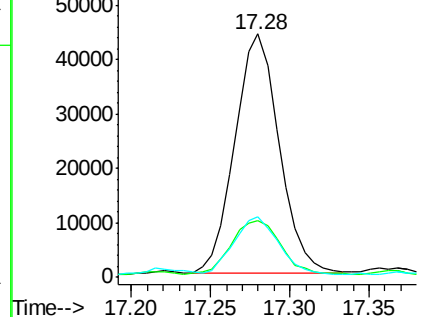


Abundance

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: 15.70 min Scan# 2315
 Delta R.T. -0.01 min
 Lab File: BF103983.D
 Acq: 27 Mar 2018 21:14

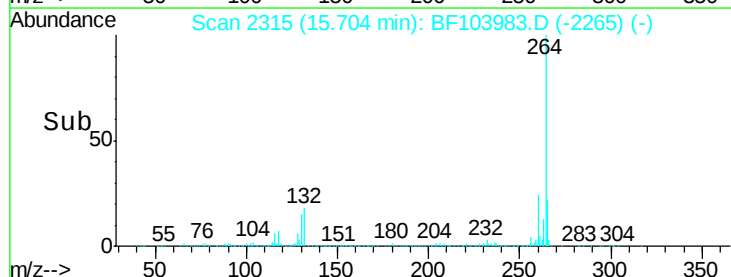
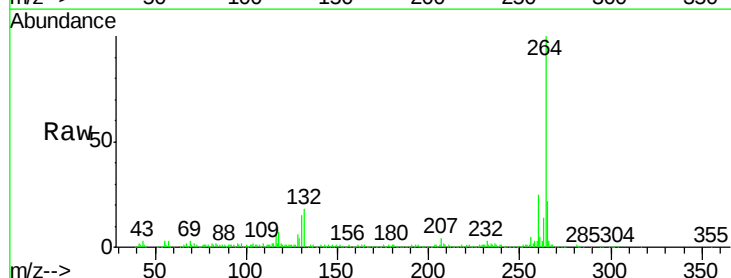
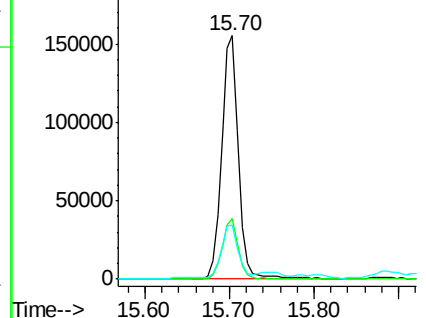
Tgt Ion	Ratio	Lower	Upper
264	100		
260	24.6	19.2	28.8
265	22.4	17.5	26.3

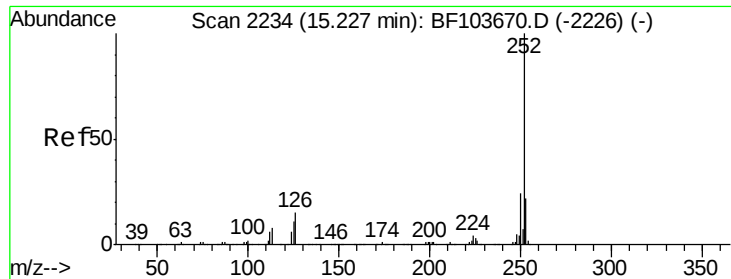
Abundance

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





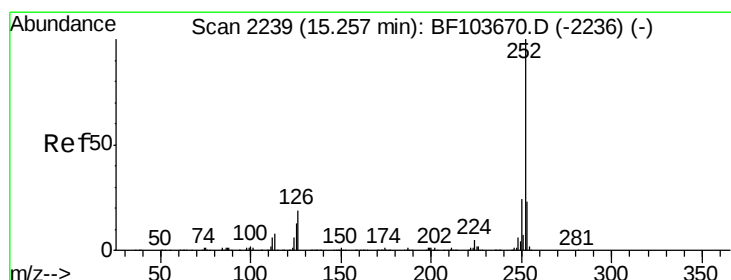
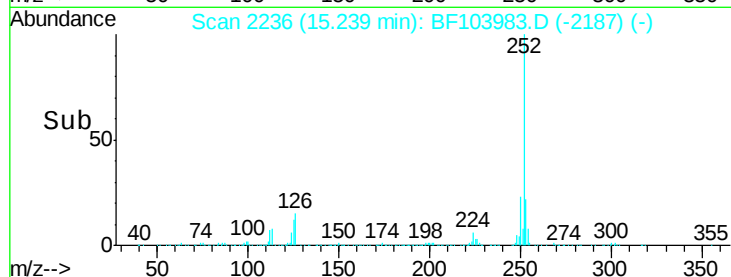
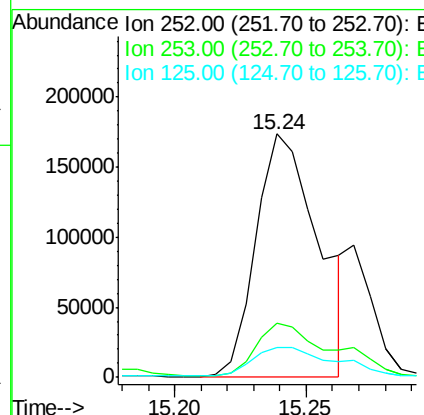
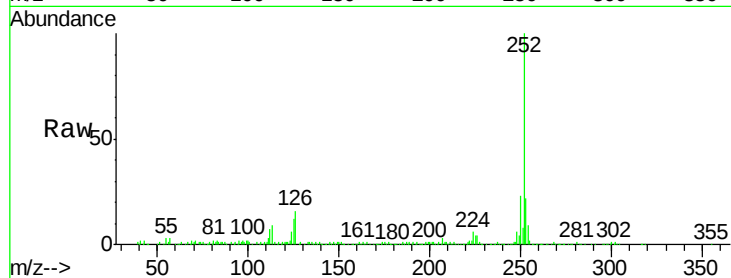
#87
Benzo(b)fluoranthene
Concen: 21.294 ng m
RT: 15.24 min Scan# 2236
Delta R.T. -0.01 min
Lab File: BF103983.D
Acq: 27 Mar 2018 21:14

Instrument :
BNA_F
ClientSampled :
TP-BD

Tot Ion	Ratio	Lower	Upper
252	100		
253	22.4	17.0	25.6
125	12.3	9.0	13.6

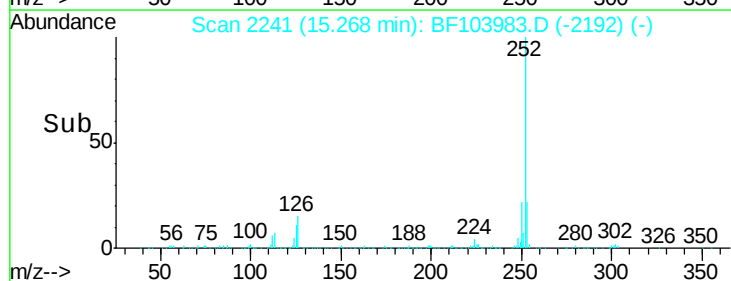
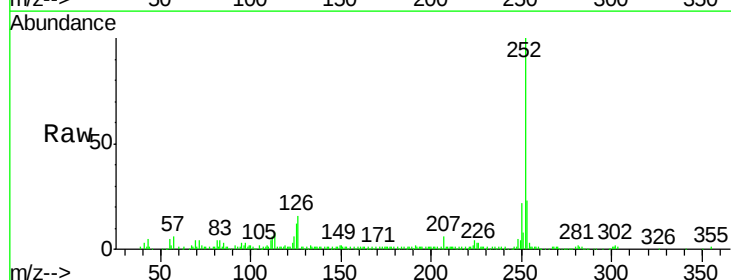
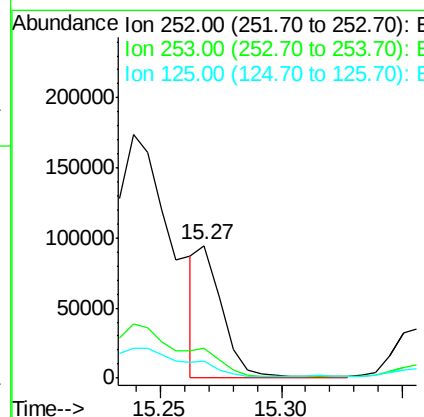
Manual Integrations
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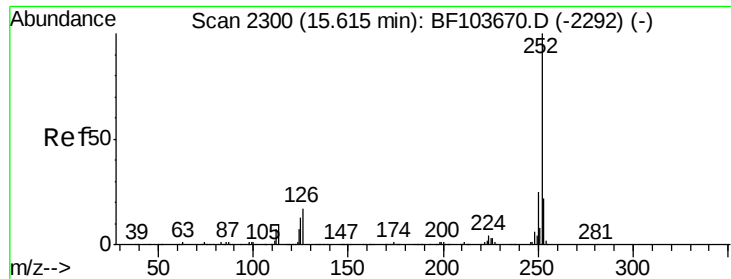
Sohil
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#88
Benzo(k)fluoranthene
Concen: 5.016 ng m
RT: 15.27 min Scan# 2241
Delta R.T. -0.01 min
Lab File: BF103983.D
Acq: 27 Mar 2018 21:14

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.6	17.9	26.9
125	12.5	10.2	15.2





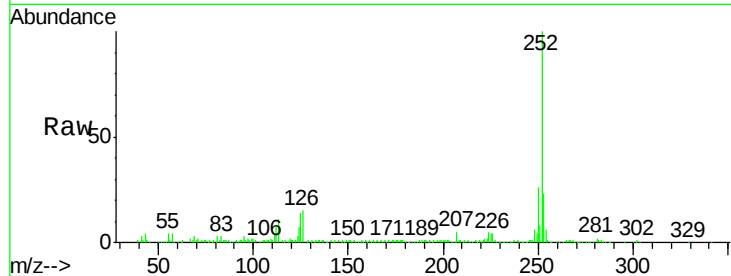
#89
Benzo(a)pyrene
Concen: 12.284 ng
RT: 15.63 min Scan# 2303
Delta R.T. -0.01 min
Lab File: BF103983.D
Acq: 27 Mar 2018 21:14

Instrument :
BNA_F
ClientSampleId :
TP-BD

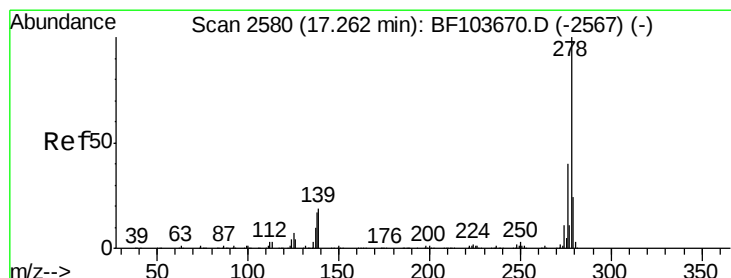
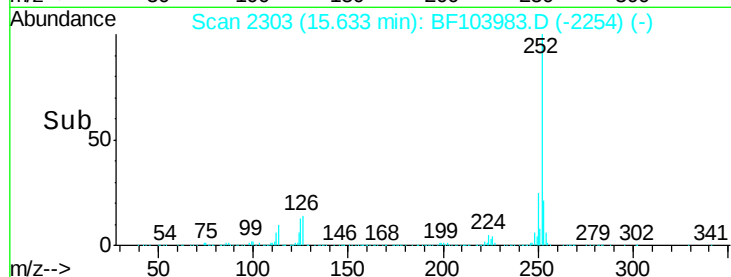
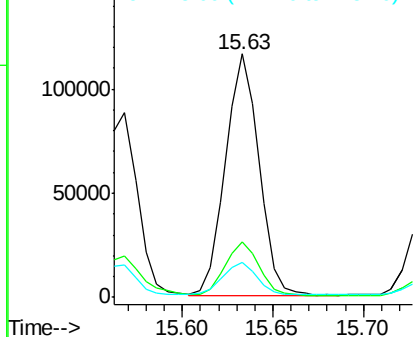
Tot Ion	Ratio	Lower	Upper
252	100		
253	22.7	17.1	25.7
125	14.3	9.8	14.6

Manual Integrations
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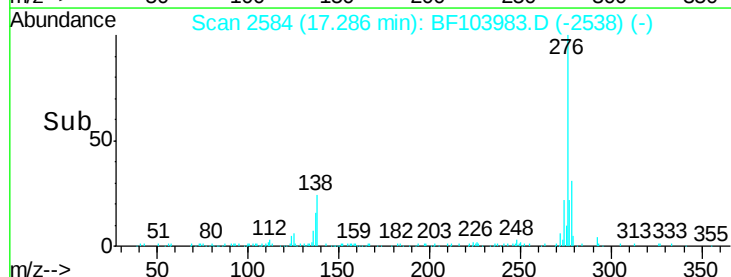
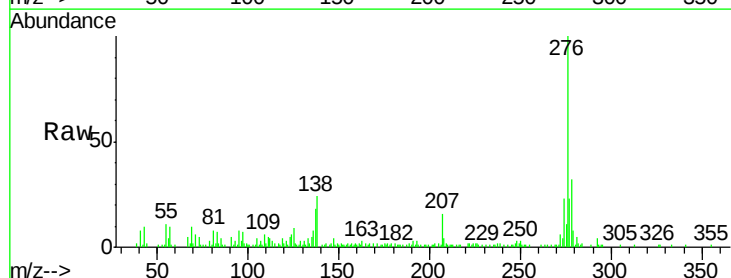
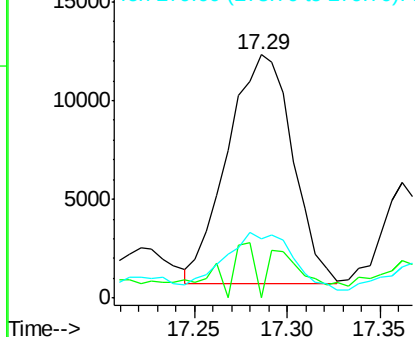
Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E

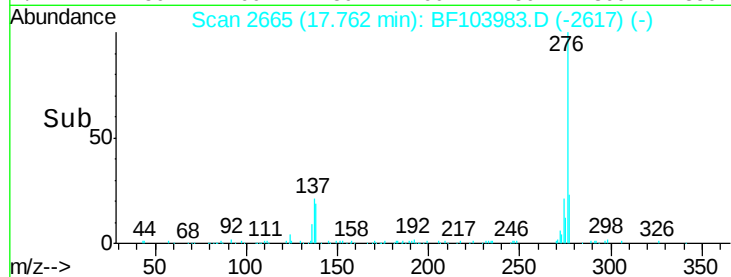
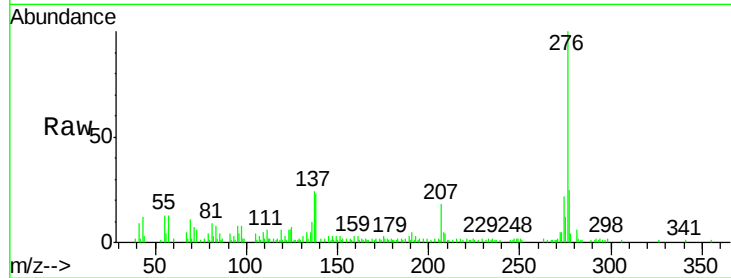
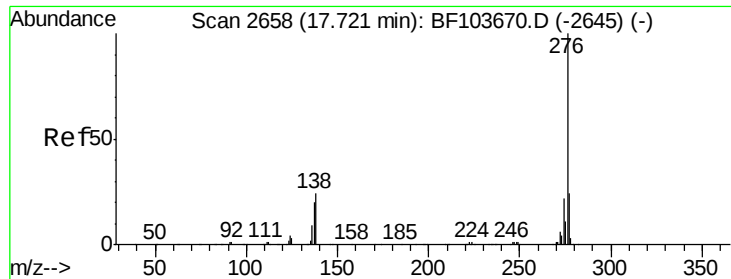


#90
Dibenzo(a,h)anthracene
Concen: 2.648 ng m
RT: 17.29 min Scan# 2584
Delta R.T. -0.03 min
Lab File: BF103983.D
Acq: 27 Mar 2018 21:14

Tgt Ion	Ratio	Lower	Upper
278	100		
139	0.0	15.9	23.9#
279	24.2	19.0	28.4

Abundance Ion 278.00 (277.70 to 278.70): E
Ion 139.00 (138.70 to 139.70): E
Ion 279.00 (278.70 to 279.70): E





#91

Benzo(a,h,i)perylene

Concen: 6.763 ng

RT: 17.76 min Scan# 2665

Delta R.T. -0.02 min

Lab File: BF103983.D

Acq: 27 Mar 2018 21:14

Instrument :

BNA_F

ClientSampleId :

TP-BD

Tot Ion:	276	Resp:	69913
Ion Ratio	Lower	Upper	
276	100		
277	24.6	17.9	26.9
138	22.7	21.8	32.8

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