

Data Path : \\74.0.250.170\SV0ASRV\HPCHEM1\BNA F\DATA\BF030518\
 Data File : BF103411.D
 Acq On : 5 Mar 2018 15:57
 Operator : SJ/JU
 Sample : J1751-13 2X
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 JC-02-030118-G

Manual Integrations
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Sohil
 3/6/2018 4:23:02 PM

Quant Time: Mar 05 17:09:59 2018
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF022218.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Mar 05 13:40:47 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.87	152	132081	20.00	ng	0.00
21) Naphthalene-d8	8.16	136	501032	20.00	ng	0.00
38) Acenaphthene-d10	9.92	164	185279	20.00	ng	0.00
63) Phenanthrene-d10	11.41	188	290209	20.00	ng	0.00
75) Chrysene-d12	14.07	240	243406	20.00	ng	0.00
86) Perylene-d12	15.59	264	165341	20.00	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.50	112	366592	41.98	ng	0.00
7) Phenol-d6	6.52	99	445061	41.65	ng	0.00
23) Nitrobenzene-d5	7.44	82	249140	28.40	ng	0.00
41) 2,4,6-Tribromophenol	10.71	330	48514	30.93	ng	0.00
44) 2-Fluorobiphenyl	9.23	172	363627	27.92	ng	0.00
78) Terphenyl-d14	13.00	244	278753	27.53	ng	0.00
Target Compounds						
49) Dimethylphthalate	9.62	163	61084	4.110	ng	99
70) Phenanthrene	11.43	178	171436	10.734	ng	99
71) Anthracene	11.49	178	62682	3.827	ng	98
74) Fluoranthene	12.63	202	296750	18.490	ng	98
77) Pyrene	12.87	202	279627	14.735	ng	99
80) Benzo(a)anthracene	14.06	228	145522	9.214	ng	99
82) Chrysene	14.09	228	124047	8.089	ng	98
85) Indeno(1,2,3-cd)pyrene	17.13	276	42964	3.539	ng	96
87) Benzo(b)fluoranthene	15.14	252	137799m	12.676	ng	
88) Benzo(k)fluoranthene	15.16	252	36908m	3.605	ng	
89) Benzo(a)pyrene	15.52	252	85916	8.850	ng	# 92
91) Benzo(a,h,i)perylene	17.60	276	40610	5.539	ng	# 89

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

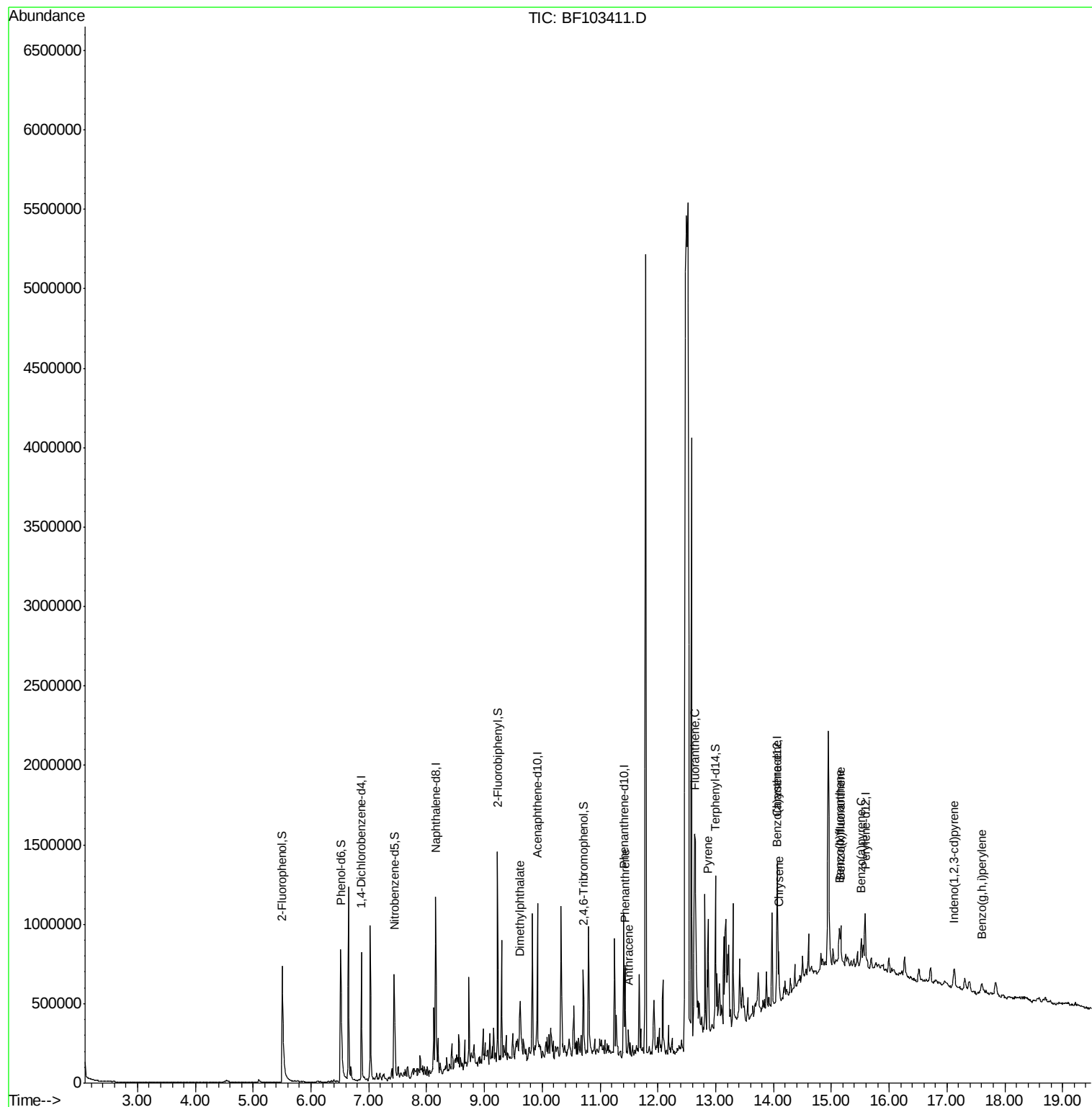
Data Path : \\74.0.250.170\SVOASRV\HPCHEM1\BNA F\DATA\BF030518\
Data File : BF103411.D
Acq On : 5 Mar 2018 15:57
Operator : SJ/JU
Sample : J1751-13 2X
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ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
JC-02-030118-G

Manual Integrations
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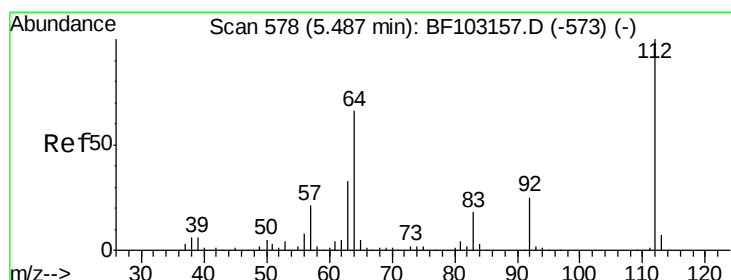
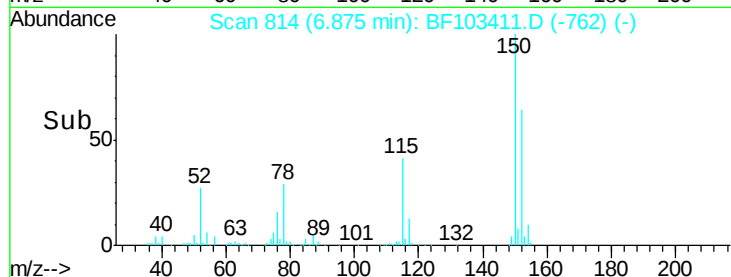
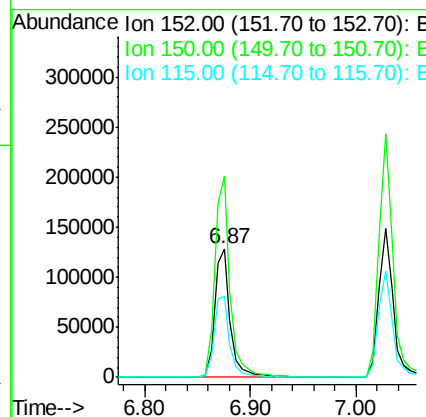
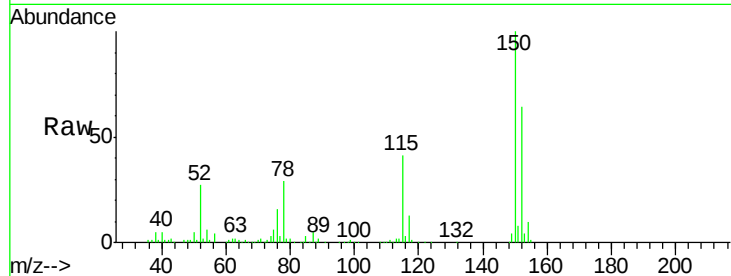
#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.87 min Scan# 814
 Delta R.T. 0.01 min
 Lab File: BF103411.D
 Acq: 5 Mar 2018 15:57

Instrument :
 BNA_F
 ClientSampleId :
 JC-02-030118-G

Tot Ion	Ratio	Lower	Upper
152	100		
150	156.4	124.6	186.8
115	63.5	50.1	75.1

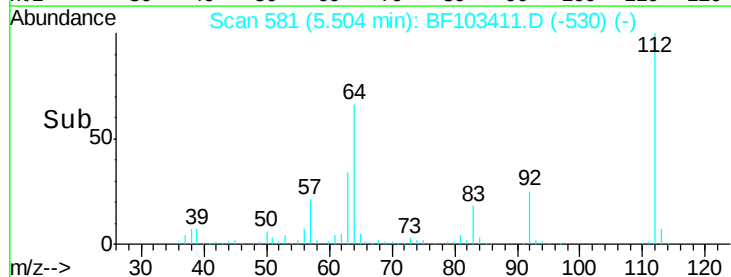
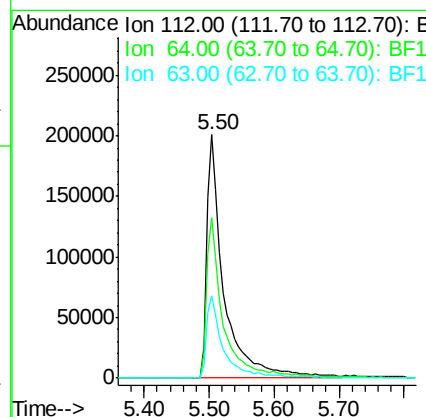
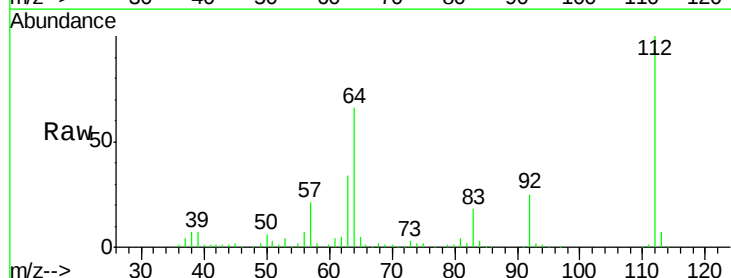
Manual Integrations
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#5
 2-Fluorophenol
 Concen: 41.978 ng
 RT: 5.50 min Scan# 581
 Delta R.T. 0.00 min
 Lab File: BF103411.D
 Acq: 5 Mar 2018 15:57

Tgt Ion	Ratio	Lower	Upper
112	100		
64	66.0	47.9	71.9
63	34.0	23.7	35.5





#7

Phenol-d6

Concen: 41.648 ng

RT: 6.52 min Scan# 753

Delta R.T. -0.01 min

Lab File: BF103411.D

Acq: 5 Mar 2018 15:57

Instrument :

BNA_F

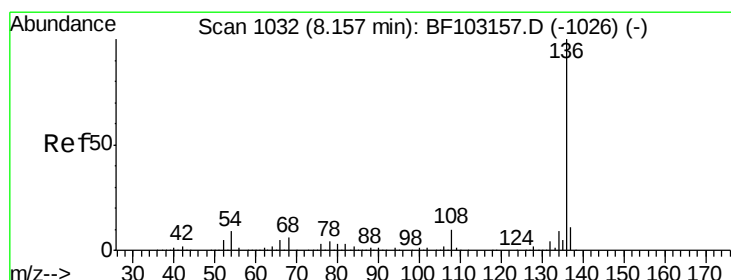
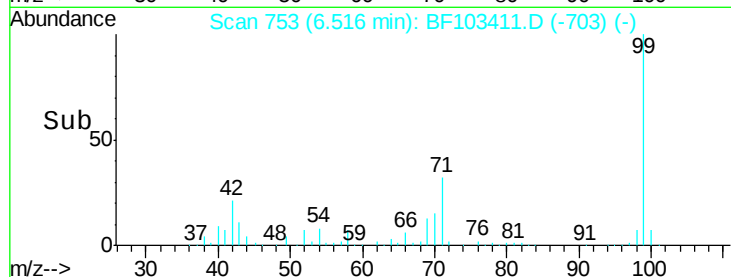
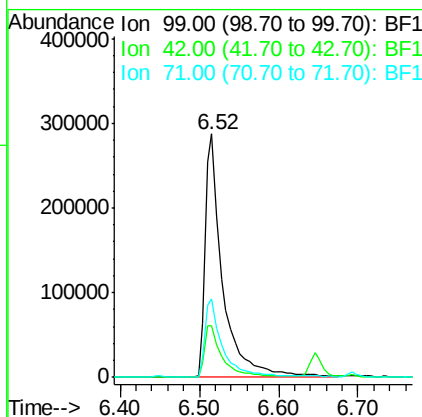
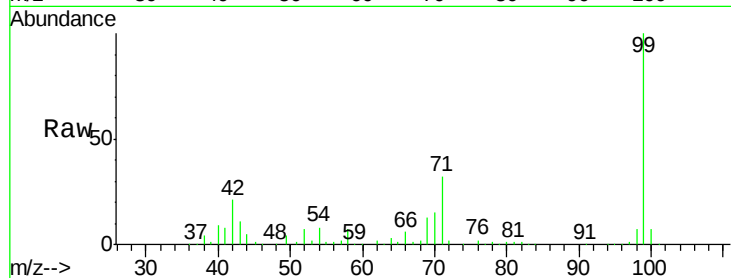
ClientSampleId :

JC-02-030118-G

Tot Ion:	99	Resp:	445061
Ion Ratio	Lower	Upper	
99	100		
42	21.1	14.5	21.7
71	32.0	25.4	38.0

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#21

Naphthalene-d8

Concen: 20.000 ng

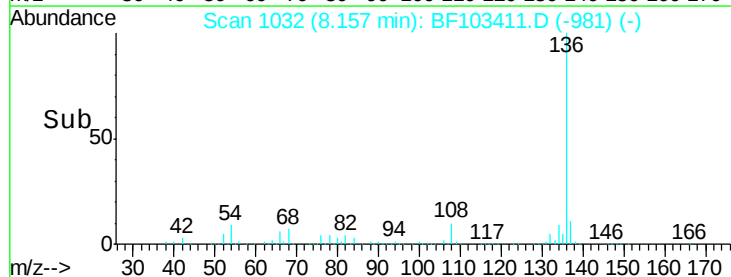
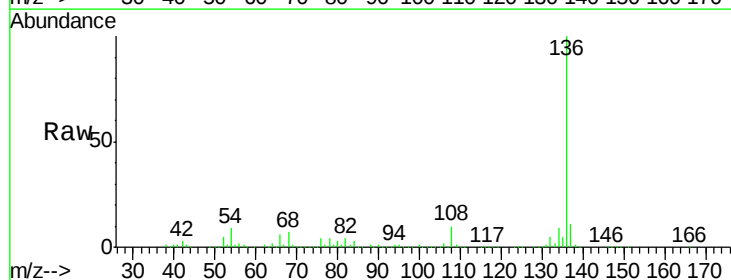
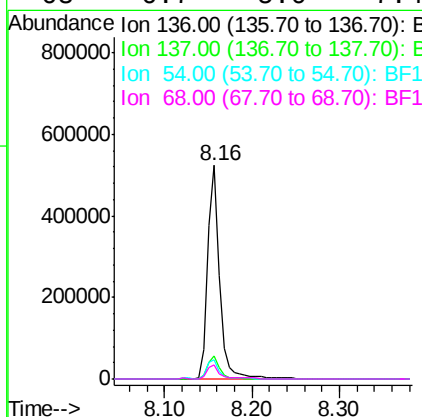
RT: 8.16 min Scan# 1032

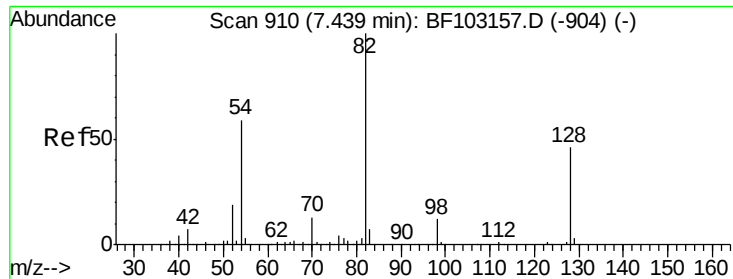
Delta R.T. 0.00 min

Lab File: BF103411.D

Acq: 5 Mar 2018 15:57

Tgt Ion:	136	Resp:	501032
Ion Ratio	Lower	Upper	
136	100		
137	11.0	8.9	13.3
54	8.9	6.6	9.8
68	6.7	5.0	7.4





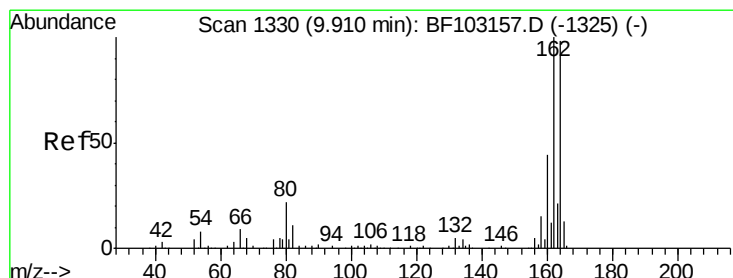
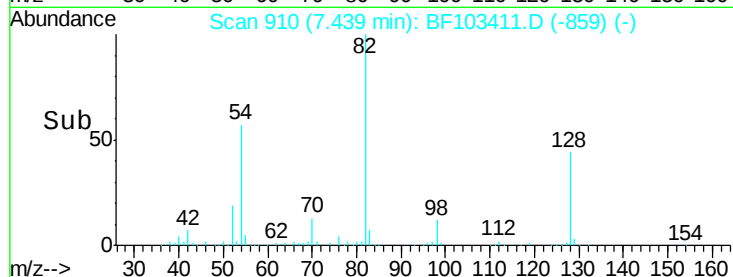
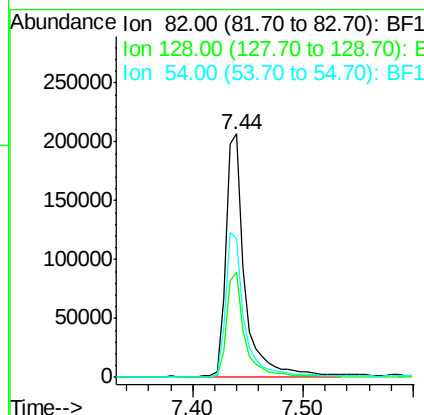
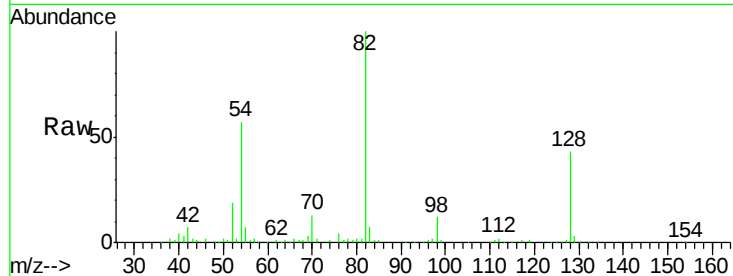
#23
Nitrobenzene-d5
Concen: 28.397 ng
RT: 7.44 min Scan# 910
Delta R.T. 0.00 min
Lab File: BF103411.D
Acq: 5 Mar 2018 15:57

Instrument :
BNA_F
ClientSampleId :
JC-02-030118-G

Tot Ion	82	Resp	249140
Ion Ratio	100	Lower	Upper
82	100		
128	43.4	36.1	54.1
54	57.1	41.4	62.2

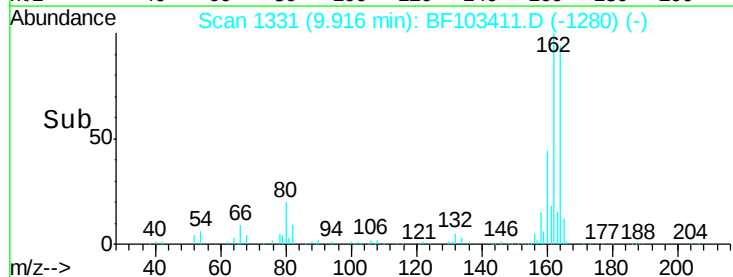
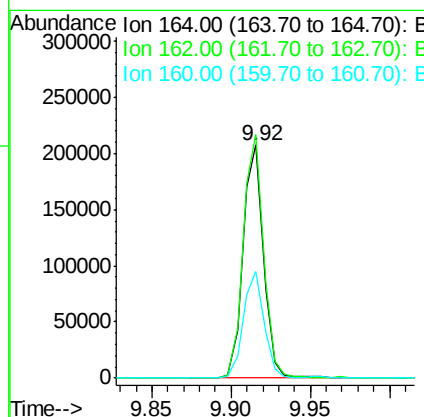
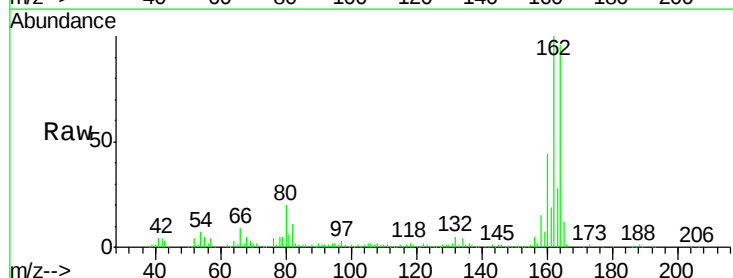
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#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.92 min Scan# 1331
Delta R.T. 0.00 min
Lab File: BF103411.D
Acq: 5 Mar 2018 15:57

Tgt Ion	164	Resp	185279
Ion Ratio	100	Lower	Upper
164	100		
162	104.6	86.1	129.1
160	46.0	38.3	57.5





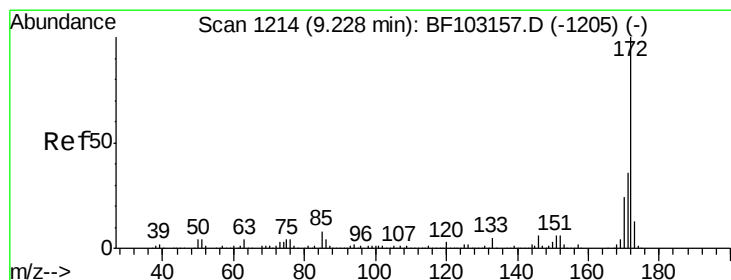
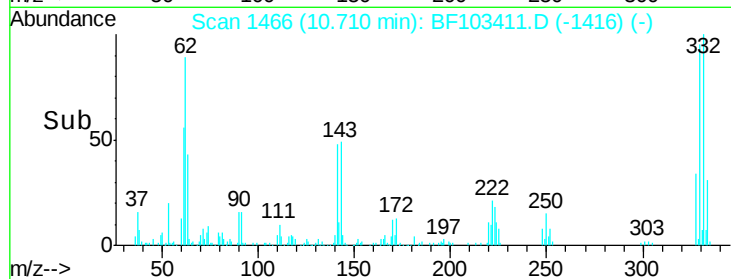
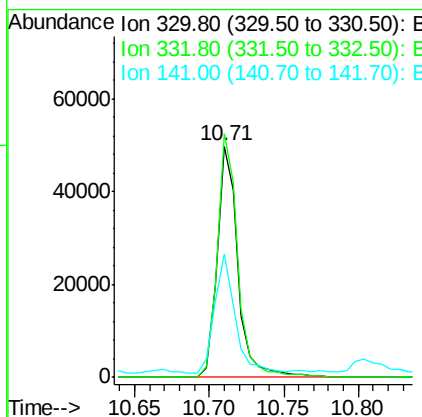
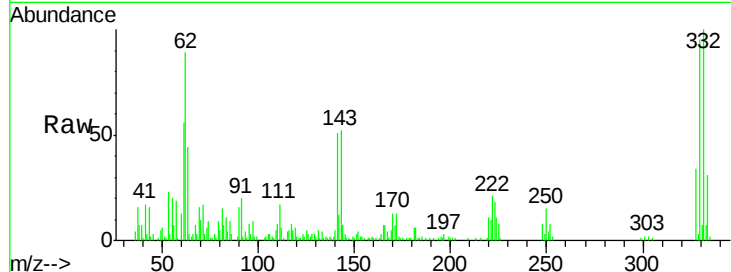
#41
 2,4,6-Tribromophenol
 Concen: 30.934 ng
 RT: 10.71 min Scan# 1466
 Delta R.T. -0.01 min
 Lab File: BF103411.D
 Acq: 5 Mar 2018 15:57

Instrument :
 BNA_F
 ClientSampleId :
 JC-02-030118-G

Tot Ion	Ratio	Lower	Upper
330	100		
332	103.9	77.0	115.6
141	49.5	29.9	44.9

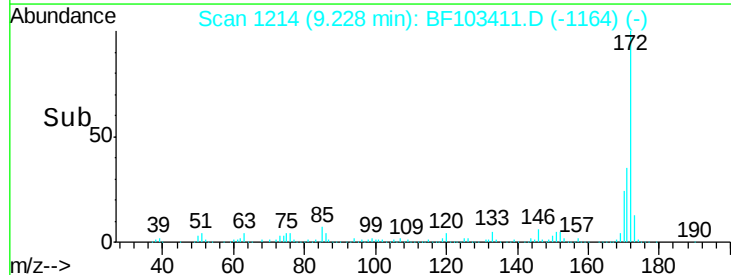
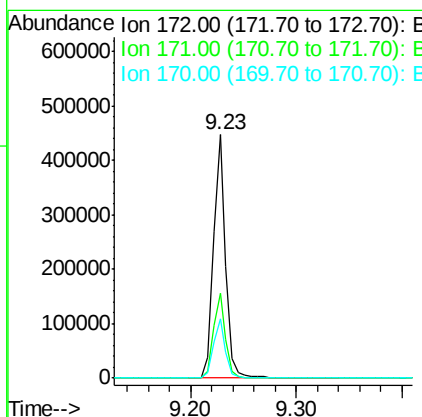
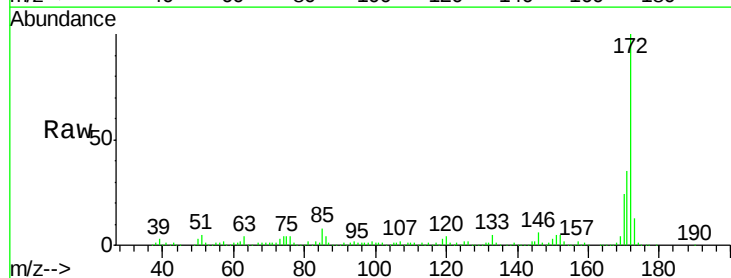
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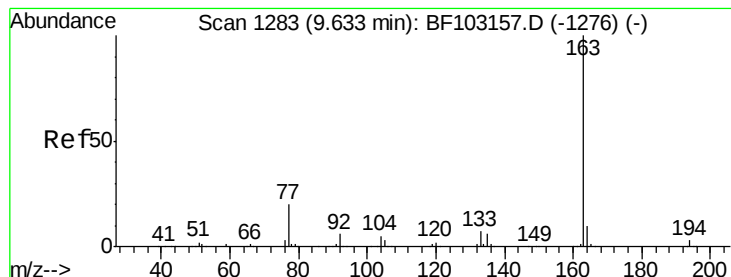
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#44
 2-Fluorobiphenyl
 Concen: 27.923 ng
 RT: 9.23 min Scan# 1214
 Delta R.T. -0.01 min
 Lab File: BF103411.D
 Acq: 5 Mar 2018 15:57

Tgt Ion	Ratio	Lower	Upper
172	100		
171	34.8	29.7	44.5
170	24.5	19.6	29.4





#49

Dimethylphthalate

Concen: 4.110 ng

RT: 9.62 min Scan# 1281

Delta R.T. -0.01 min

Lab File: BF103411.D

Acq: 5 Mar 2018 15:57

Instrument :

BNA_F

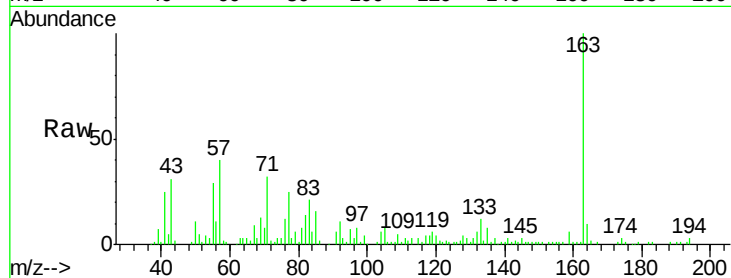
ClientSampleId :

JC-02-030118-G

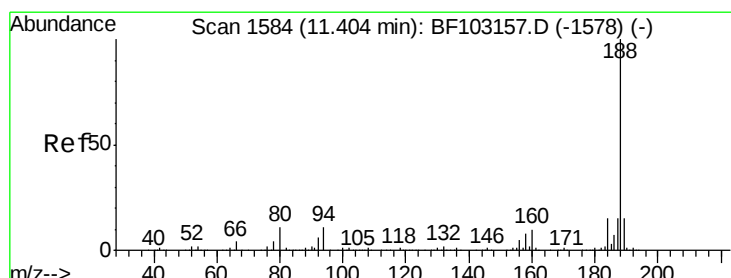
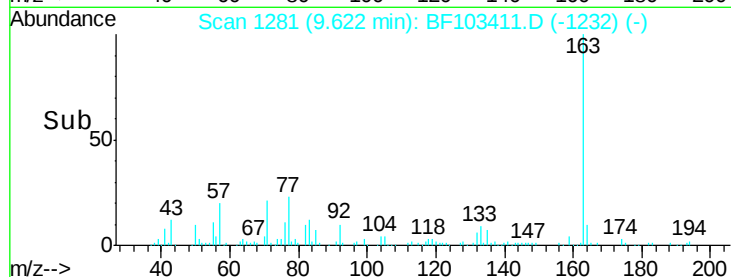
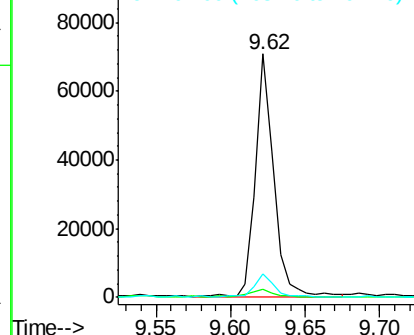
Tot Ion:	163	Resp:	61084
Ion	Ratio	Lower	Upper
163	100		
194	3.2	2.7	4.1
164	9.6	8.2	12.2

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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



#63

Phenanthrene-d10

Concen: 20.000 ng

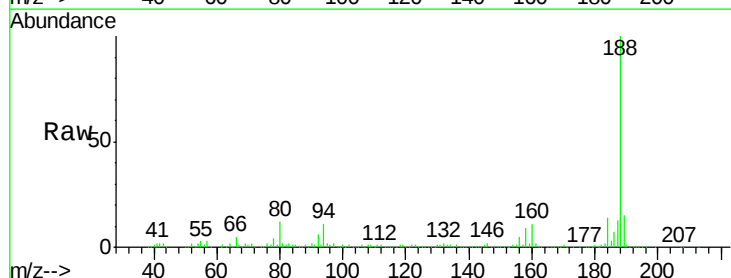
RT: 11.41 min Scan# 1585

Delta R.T. 0.00 min

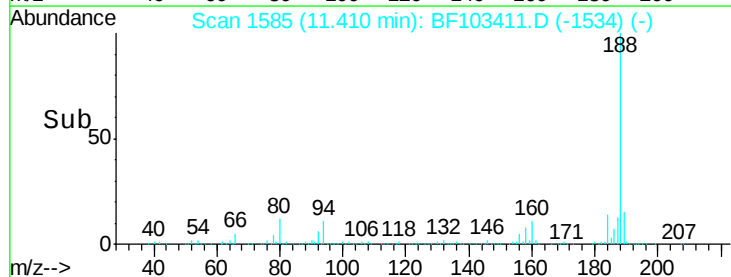
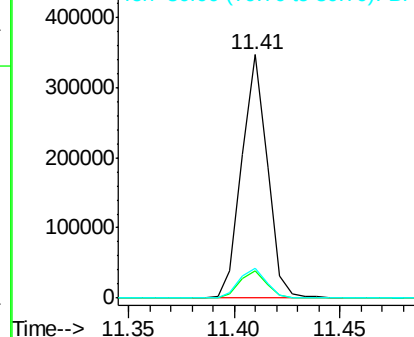
Lab File: BF103411.D

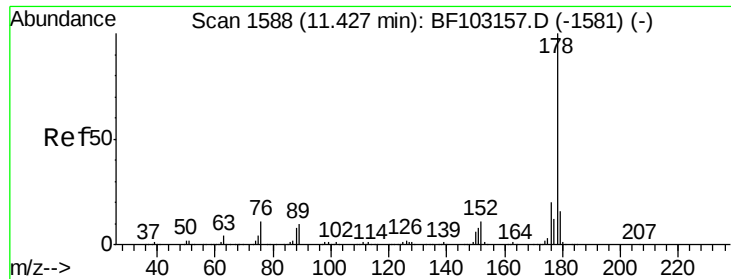
Acq: 5 Mar 2018 15:57

Tgt Ion:	188	Resp:	290209
Ion	Ratio	Lower	Upper
188	100		
94	11.2	8.5	12.7
80	12.3	9.2	13.8



Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BF1
Ion 80.00 (79.70 to 80.70): BF1





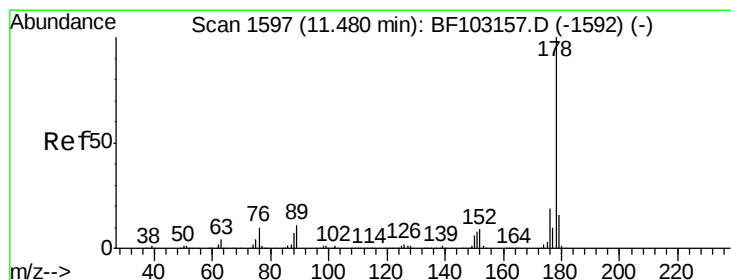
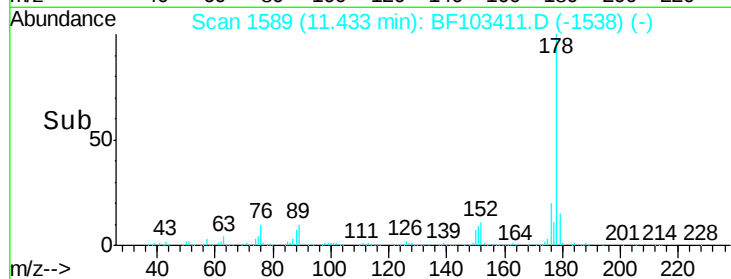
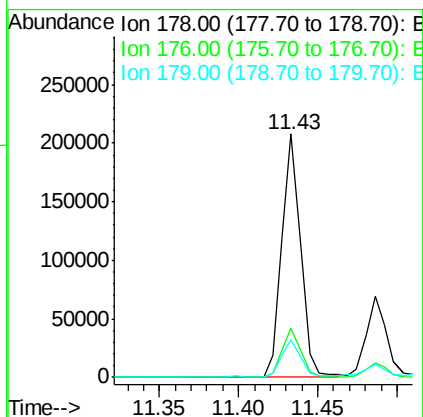
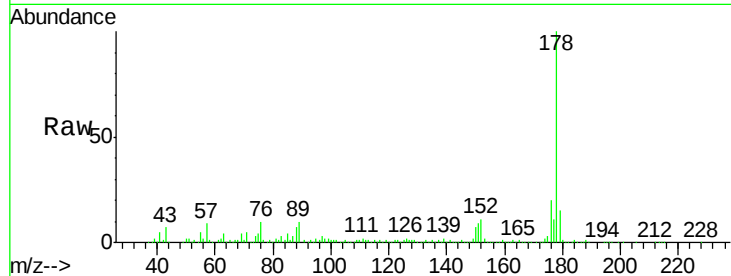
#70
Phenanthrene
Concen: 10.734 ng
RT: 11.43 min Scan# 1589
Delta R.T. 0.00 min
Lab File: BF103411.D
Acq: 5 Mar 2018 15:57

Instrument :
BNA_F
ClientSampleId :
JC-02-030118-G

Tot Ion	Ratio	Lower	Upper
178	100		
176	20.1	15.8	23.8
179	15.4	13.0	19.6

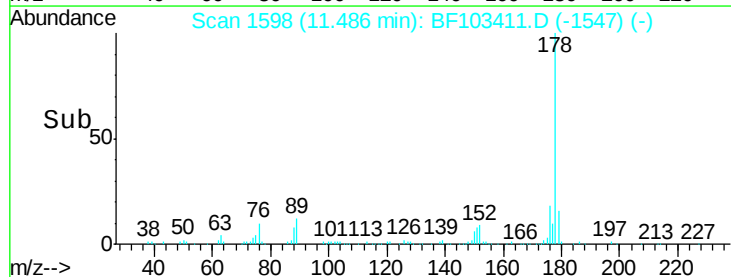
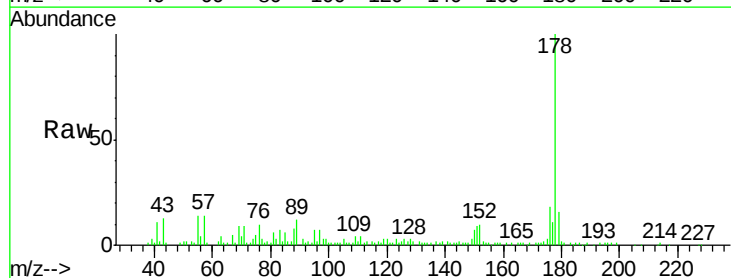
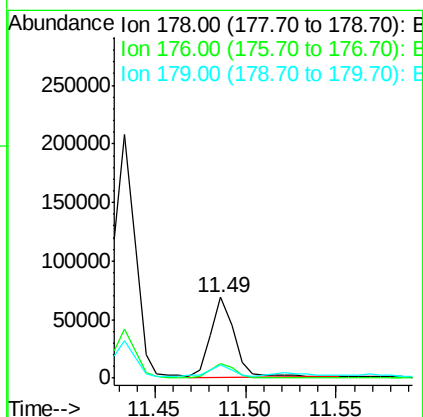
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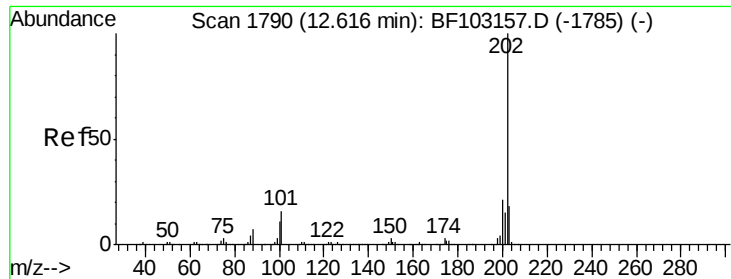
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#71
Anthracene
Concen: 3.827 ng
RT: 11.49 min Scan# 1598
Delta R.T. 0.00 min
Lab File: BF103411.D
Acq: 5 Mar 2018 15:57

Tgt Ion	Ratio	Lower	Upper
178	100		
176	18.3	15.4	23.2
179	16.4	12.6	19.0





#74

Fluoranthene

Concen: 18.490 ng

RT: 12.63 min Scan# 1793

Delta R.T. 0.00 min

Lab File: BF103411.D

Acq: 5 Mar 2018 15:57

Instrument :

BNA_F

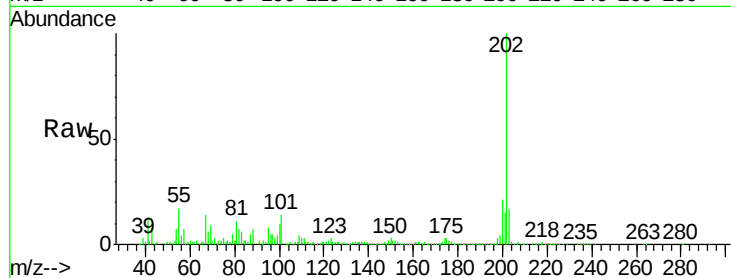
ClientSampleId :

JC-02-030118-G

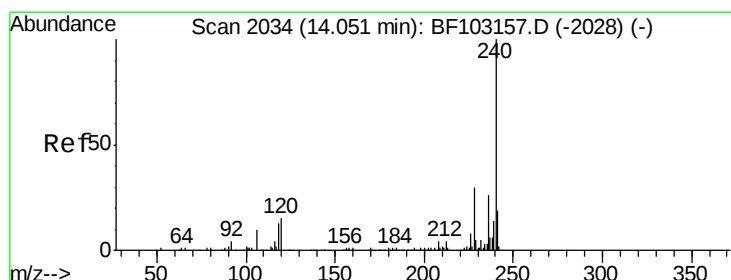
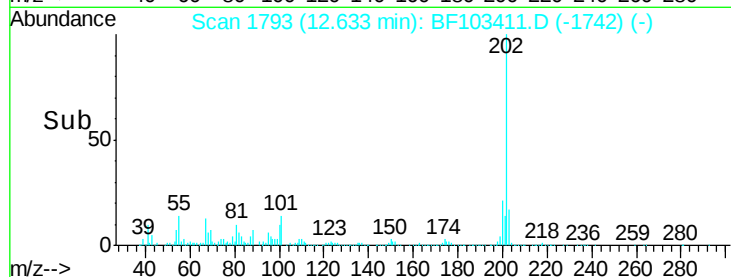
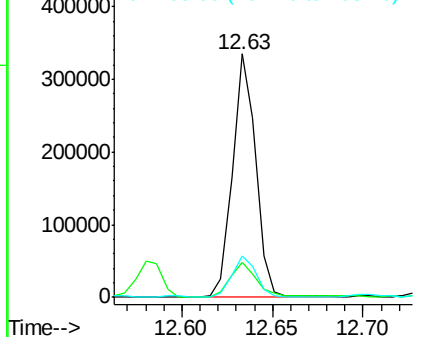
Tot Ion	Ratio	Resp Lower	Upper
202	100		
101	14.3	0.0	34.1
203	17.1	0.0	38.1

Manual Integrations
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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: 14.07 min Scan# 2037

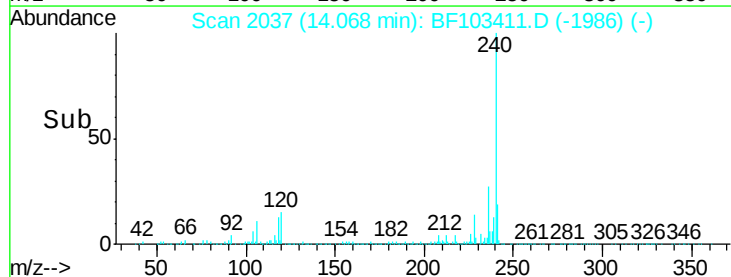
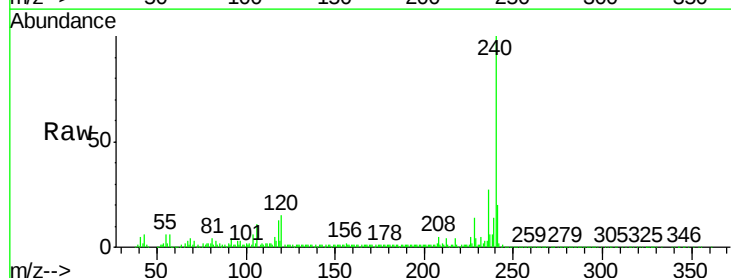
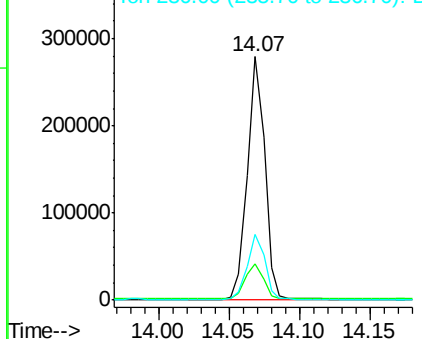
Delta R.T. 0.00 min

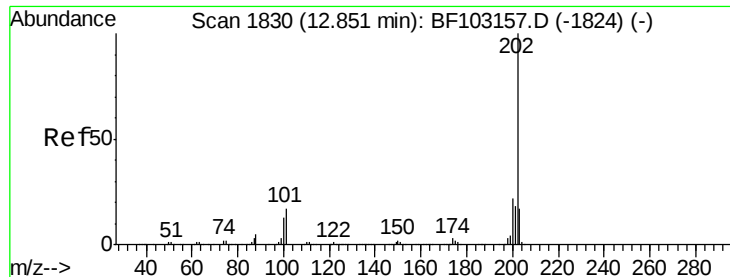
Lab File: BF103411.D

Acq: 5 Mar 2018 15:57

Tgt Ion	Ratio	Resp Lower	Upper
240	100		
120	15.1	9.5	14.3#
236	27.2	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





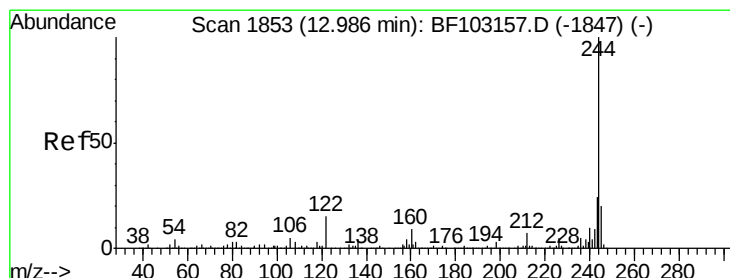
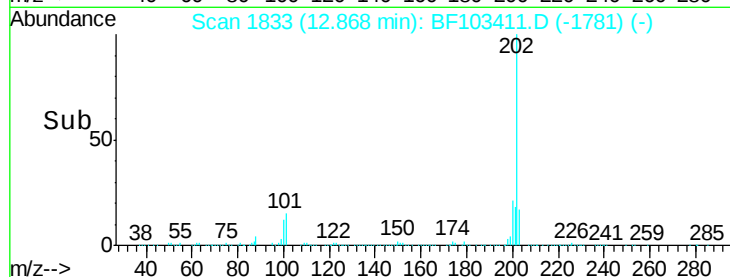
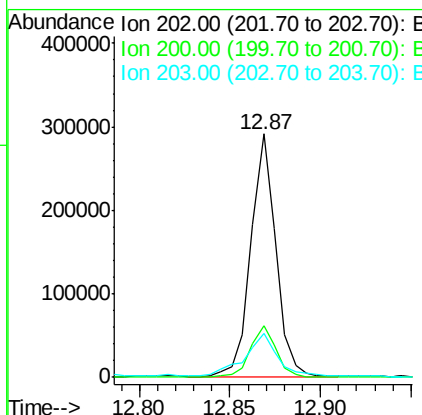
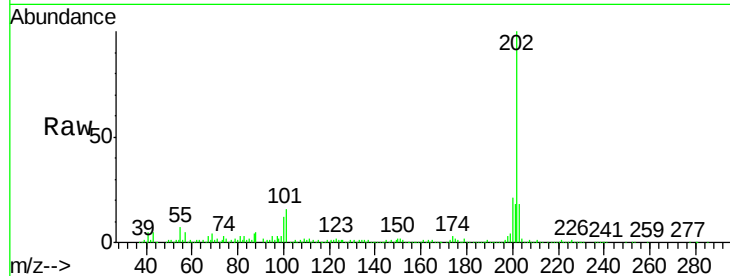
#77
Pvrene
Concen: 14.735 ng
RT: 12.87 min Scan# 1833
Delta R.T. 0.01 min
Lab File: BF103411.D
Acq: 5 Mar 2018 15:57

Instrument :
BNA_F
ClientSampleId :
JC-02-030118-G

Tot Ion	Ratio	Lower	Upper
202	100		
200	21.4	17.4	26.2
203	18.2	14.3	21.5

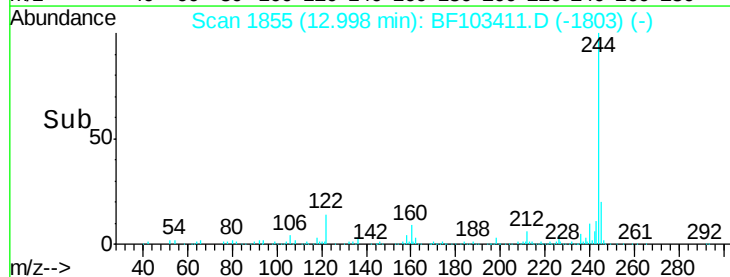
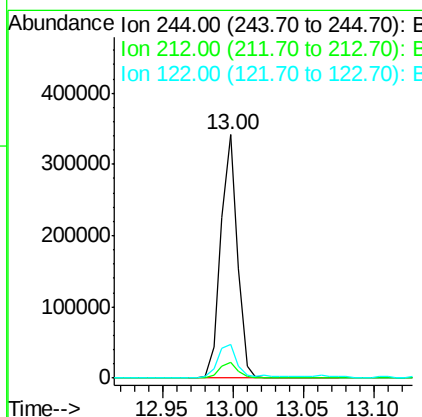
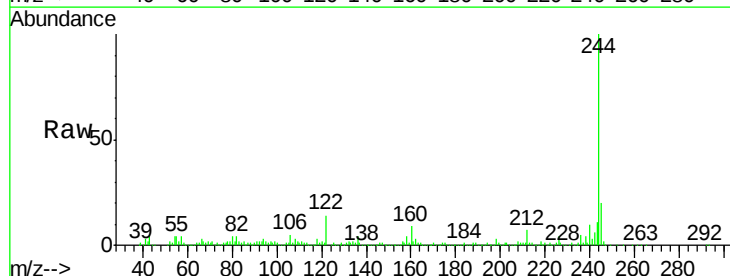
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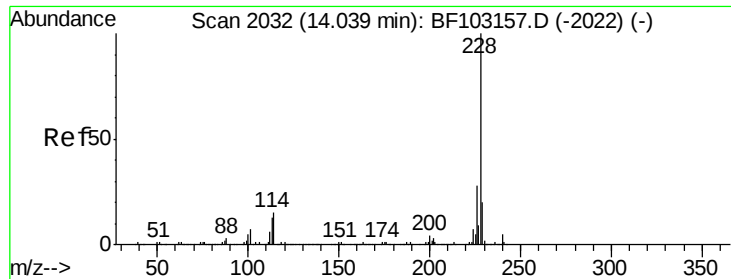
Sohil
3/6/2018 4:23:02 PM



#78
Terphenyl-d14
Concen: 27.530 ng
RT: 13.00 min Scan# 1855
Delta R.T. 0.01 min
Lab File: BF103411.D
Acq: 5 Mar 2018 15:57

Tgt Ion	Ratio	Lower	Upper
244	100		
212	6.6	5.4	8.0
122	14.1	11.0	16.4





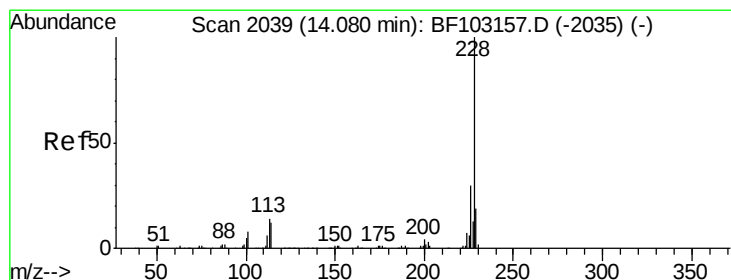
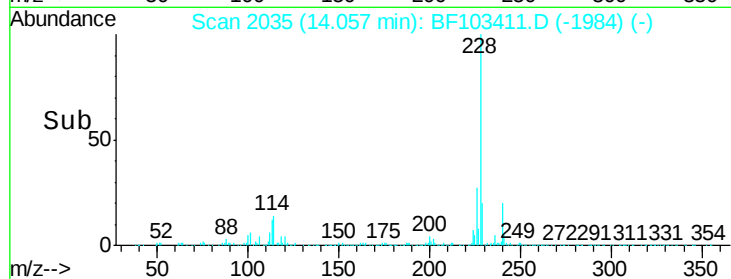
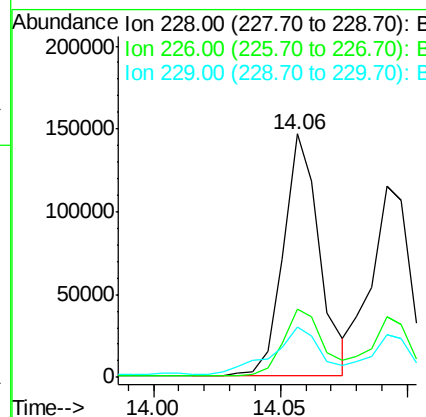
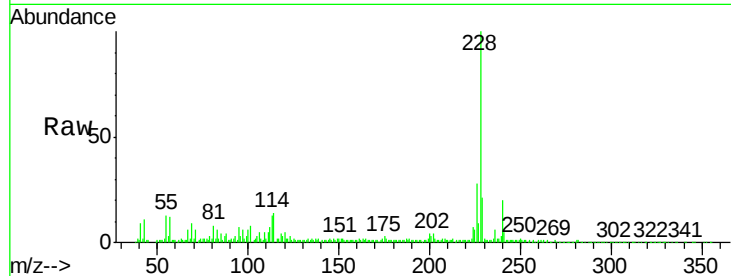
#80
Benzo(a)anthracene
Concen: 9.214 ng
RT: 14.06 min Scan# 2035
Delta R.T. 0.00 min
Lab File: BF103411.D
Acq: 5 Mar 2018 15:57

Instrument :
BNA_F
ClientSampleId :
JC-02-030118-G

Tot Ion	Ratio	Lower	Upper
228	100		
226	27.9	22.6	33.8
229	20.9	15.8	23.6

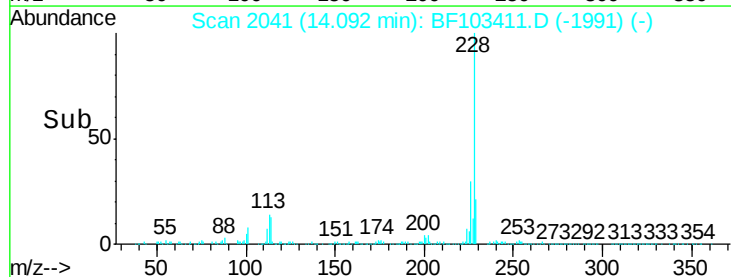
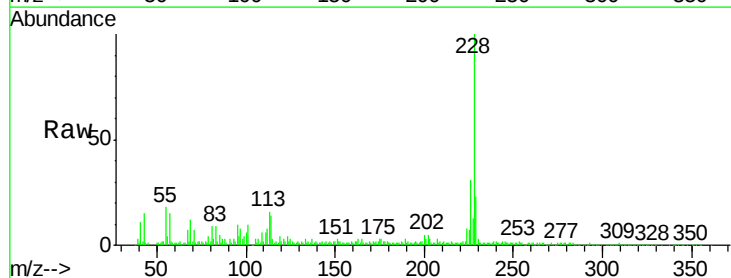
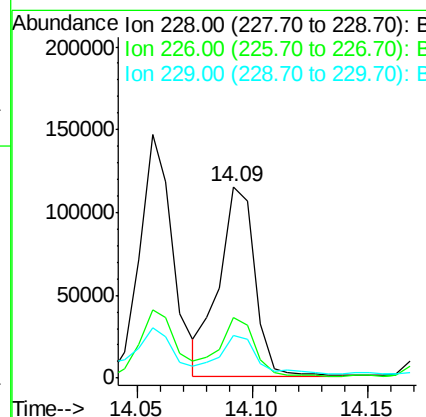
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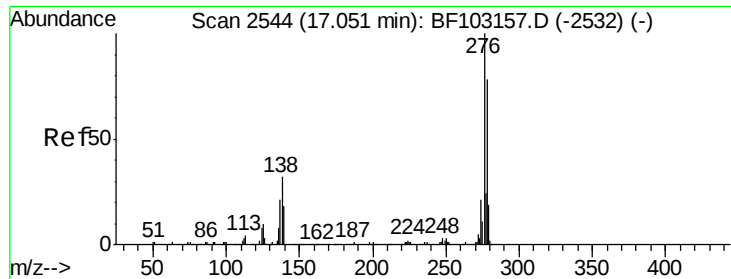
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#82
Chrysene
Concen: 8.089 ng
RT: 14.09 min Scan# 2041
Delta R.T. -0.01 min
Lab File: BF103411.D
Acq: 5 Mar 2018 15:57

Tgt Ion	Ratio	Lower	Upper
228	100		
226	31.4	25.0	37.6
229	22.5	16.2	24.4





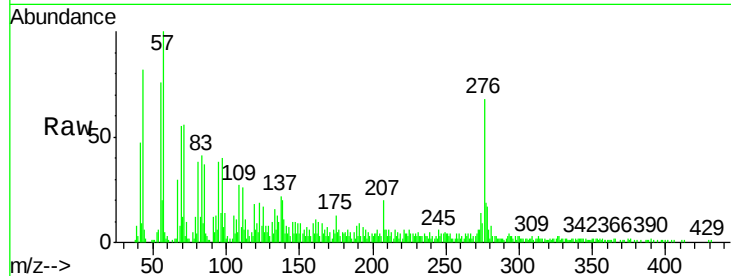
#85
Indeno(1,2,3-cd)pyrene
Concen: 3.539 ng
RT: 17.13 min Scan# 2558
Delta R.T. 0.00 min
Lab File: BF103411.D
Acq: 5 Mar 2018 15:57

Instrument :
BNA_F
ClientSampleId :
JC-02-030118-G

Tot Ion	Ratio	Lower	Upper
276	100		
138	29.5	25.0	37.6
277	22.4	20.1	30.1

Manual Integrations
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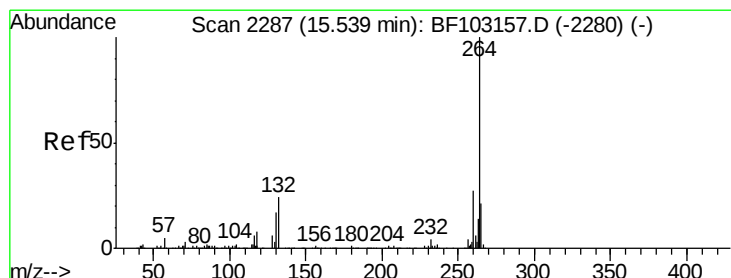
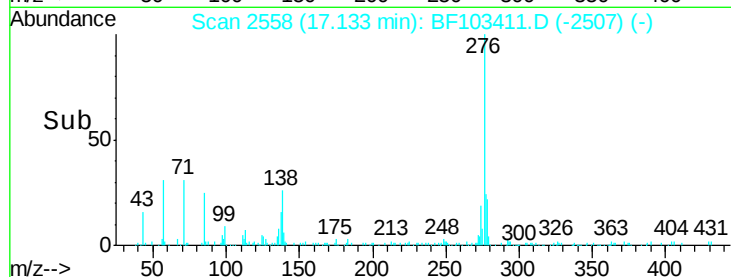
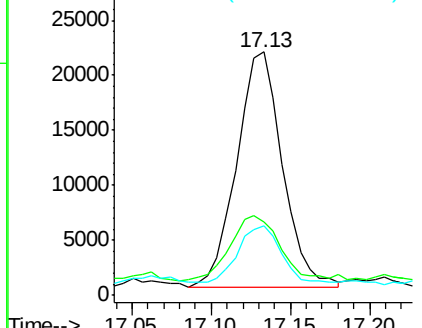


Abundance

Ion 276.00 (275.70 to 276.70): E

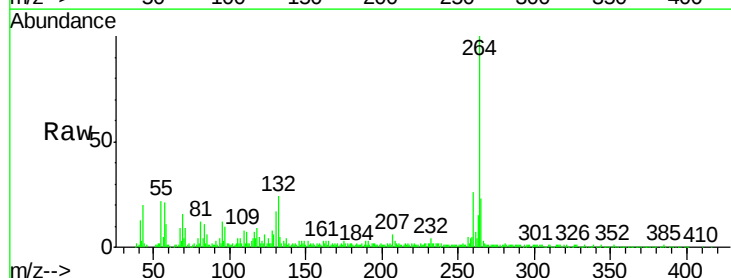
Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.59 min Scan# 2295
Delta R.T. 0.01 min
Lab File: BF103411.D
Acq: 5 Mar 2018 15:57

Tgt Ion	Ratio	Lower	Upper
264	100		
260	25.7	19.2	28.8
265	23.4	17.5	26.3

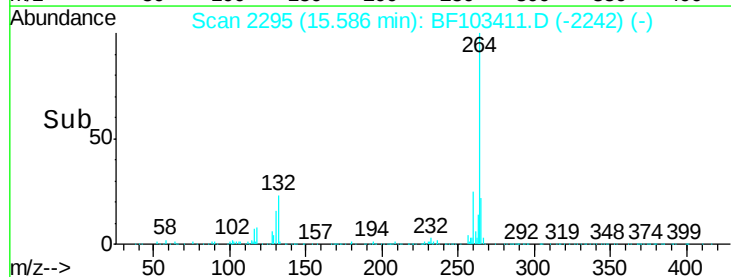
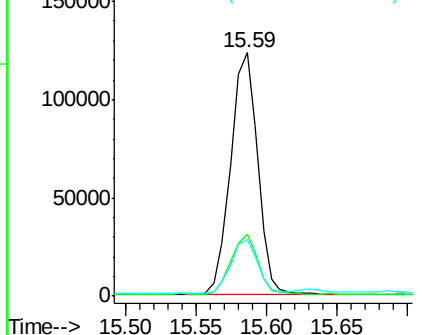


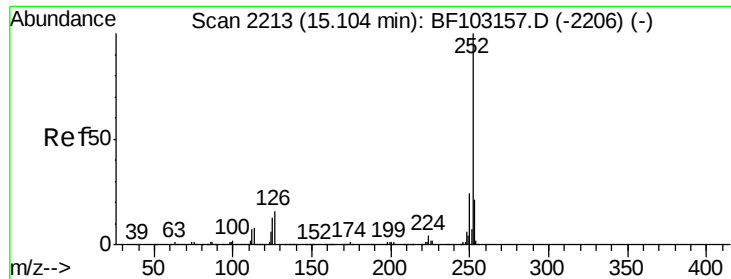
Abundance

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





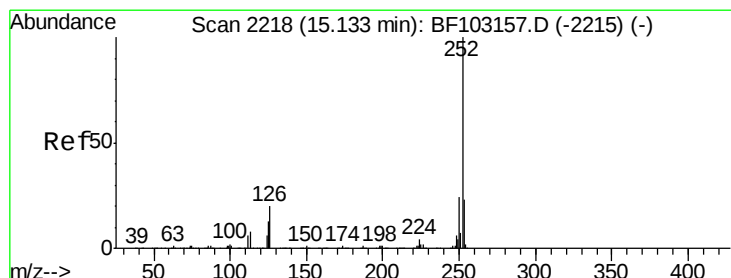
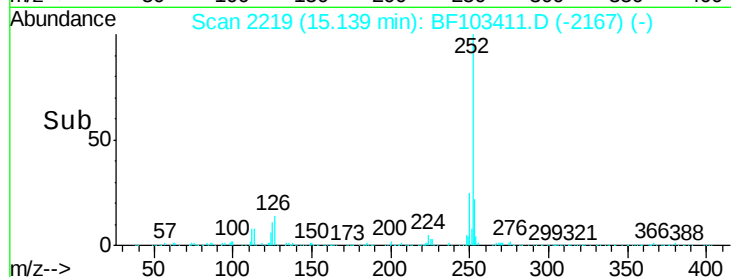
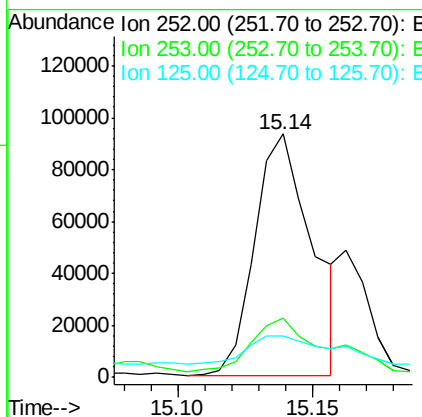
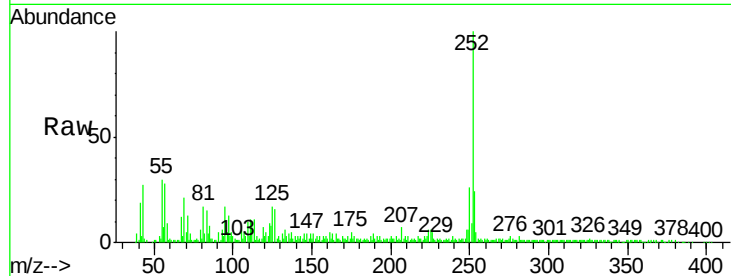
#87
Benzo(b)fluoranthene
Concen: 12.676 ng m
RT: 15.14 min Scan# 2219
Delta R.T. 0.01 min
Lab File: BF103411.D
Acq: 5 Mar 2018 15:57

Instrument :
BNA_F
ClientSampleId :
JC-02-030118-G

Tot Ion	Ratio	Lower	Upper
252	100		
253	24.4	17.0	25.6
125	16.9	9.0	13.6

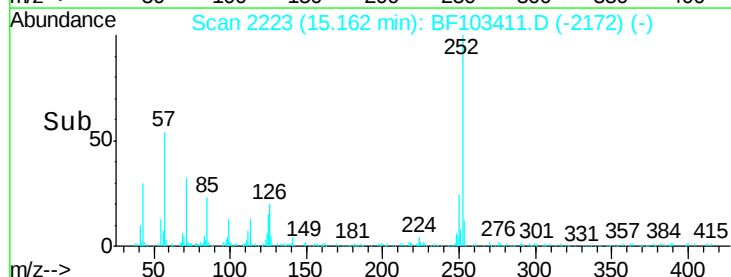
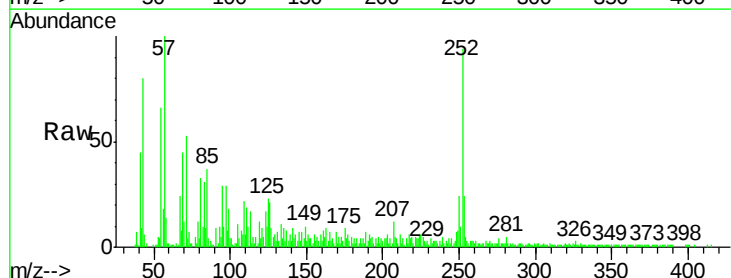
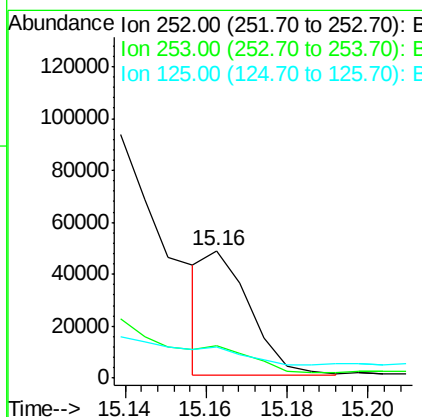
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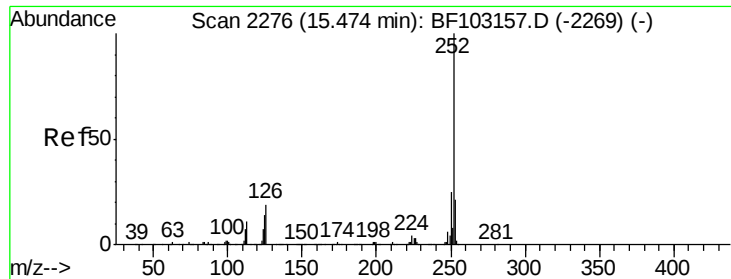
Sohil
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#88
Benzo(k)fluoranthene
Concen: 3.605 ng m
RT: 15.16 min Scan# 2223
Delta R.T. 0.00 min
Lab File: BF103411.D
Acq: 5 Mar 2018 15:57

Tgt Ion	Ratio	Lower	Upper
252	100		
253	25.1	17.9	26.9
125	24.0	10.2	15.2





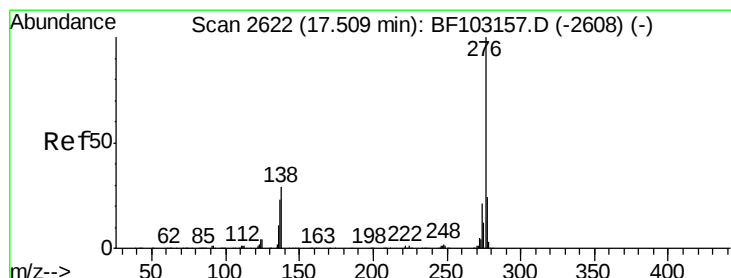
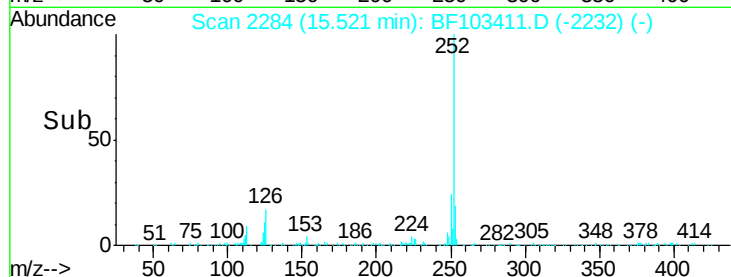
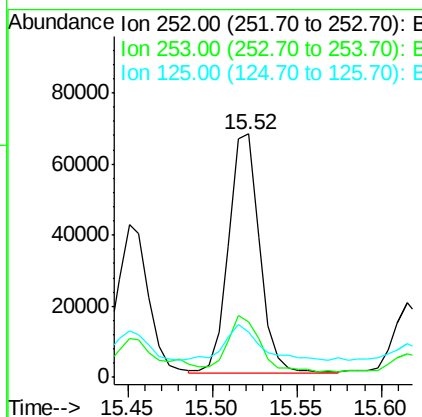
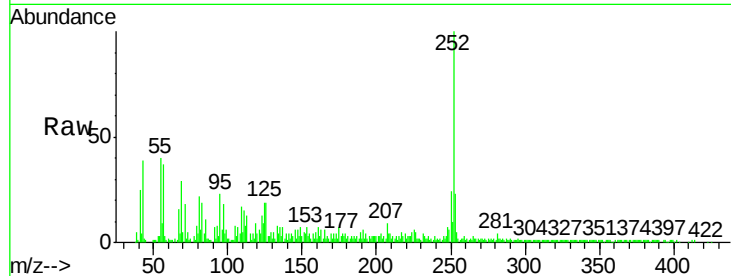
#89
Benzo(a)pyrene
Concen: 8.850 ng
RT: 15.52 min Scan# 2284
Delta R.T. 0.01 min
Lab File: BF103411.D
Acq: 5 Mar 2018 15:57

Instrument :
BNA_F
ClientSampleId :
JC-02-030118-G

Tot Ion	Ratio	Lower	Upper
252	100		
253	22.8	17.1	25.7
125	18.8	9.8	14.6

Manual Integrations
APPROVED

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3/6/2018 4:23:02 PM



#91
Benzo(g,h,i)perylene
Concen: 5.539 ng
RT: 17.60 min Scan# 2638
Delta R.T. 0.01 min
Lab File: BF103411.D
Acq: 5 Mar 2018 15:57

Tgt Ion	Ratio	Lower	Upper
276	100		
277	28.9	17.9	26.9
138	31.5	21.8	32.8

