

Data Path : \\74.0.250.170\SV0ASRV\HPCHEM1\BNA F\DATA\BF030118\
 Data File : BF103330.D
 Acq On : 1 Mar 2018 12:22
 Operator : SJ/JU
 Sample : J1716-04 5X
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SB-03-12-16

Manual Integrations
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Quant Time: Mar 01 14:11:15 2018
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF022218.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Feb 27 17:05:20 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.87	152	141847	20.00	ng	0.00
21) Naphthalene-d8	8.16	136	611109	20.00	ng	0.00
38) Acenaphthene-d10	9.92	164	259987	20.00	ng	0.00
63) Phenanthrene-d10	11.40	188	387113	20.00	ng	0.00
75) Chrysene-d12	14.06	240	204836	20.00	ng	0.00
86) Perylene-d12	15.56	264	255382	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.49	112	290834	31.01	ng	0.00
7) Phenol-d6	6.50	99	368347	32.10	ng	0.00
23) Nitrobenzene-d5	7.43	82	221159	20.67	ng	-0.01
41) 2,4,6-Tribromophenol	10.71	330	52116	23.68	ng	0.00
44) 2-Fluorobiphenyl	9.23	172	327460	16.48	ng	0.00
78) Terphenyl-d14	12.99	244	186357	21.87	ng	0.00
Target Compounds						Qvalue
57) Fluorene	10.46	166	56057	3.100	ng	97
70) Phenanthrene	11.43	178	778129	36.525	ng	98
71) Anthracene	11.48	178	258988	11.855	ng	99
74) Fluoranthene	12.62	202	660448	30.850	ng	99
77) Pyrene	12.86	202	576862	36.121	ng	100
80) Benzo(a)anthracene	14.04	228	241060	18.138	ng	98
82) Chrysene	14.08	228	203071	15.736	ng	97
85) Indeno(1,2,3-cd)pyrene	17.08	276	107656	10.538	ng	98
87) Benzo(b)fluoranthene	15.12	252	259859m	15.476	ng	
88) Benzo(k)fluoranthene	15.14	252	90948m	5.752	ng	
89) Benzo(a)pyrene	15.50	252	211787	14.124	ng	# 96
90) Dibenzo(a,h)anthracene	17.09	278	30980m	2.674	ng	
91) Benzo(a,h,i)perylene	17.55	276	96566	8.528	ng	96

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

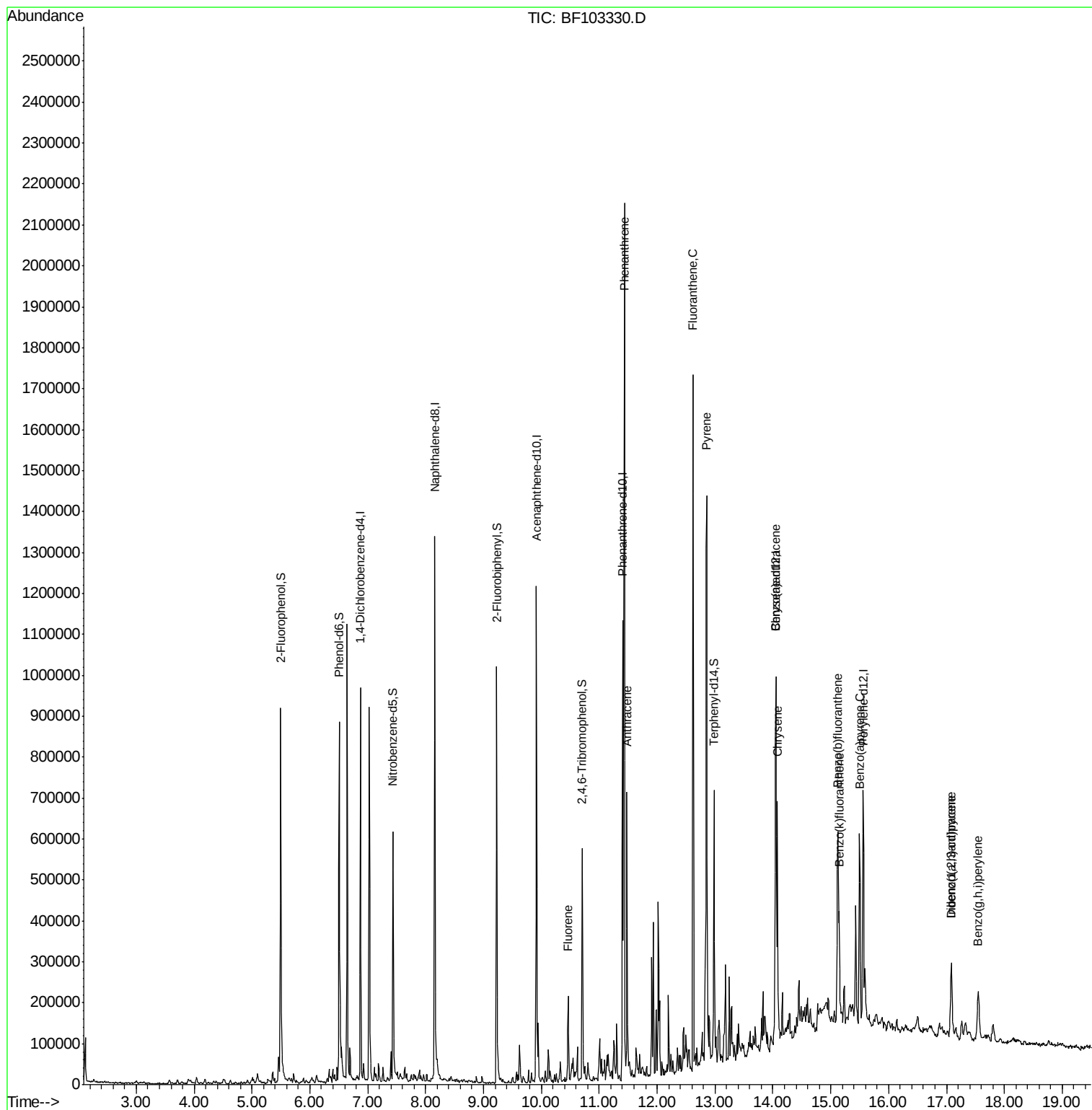
Data Path : \\74.0.250.170\SV0ASRV\HPCHEM1\BNA F\DATA\BF030118\
Data File : BF103330.D
Acq On : 1 Mar 2018 12:22
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Sample : J1716-04 5X
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ALS Vial : 8 Sample Multiplier: 1

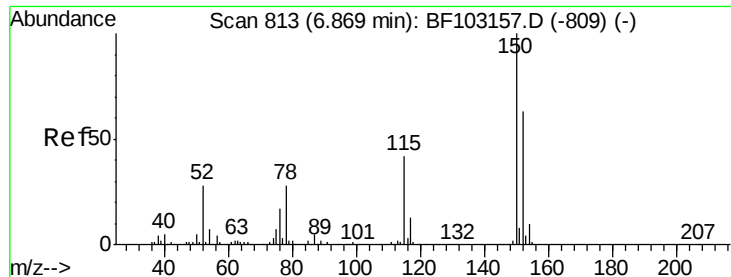
Instrument :
BNA_F
ClientSampleId :
SB-03-12-16

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Quant Time: Mar 01 14:11:15 2018
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF022218.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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Response via : Initial Calibration





#1

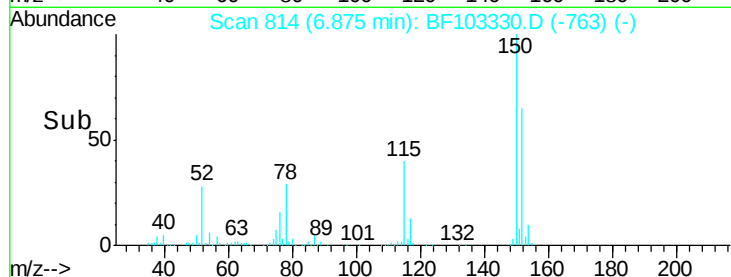
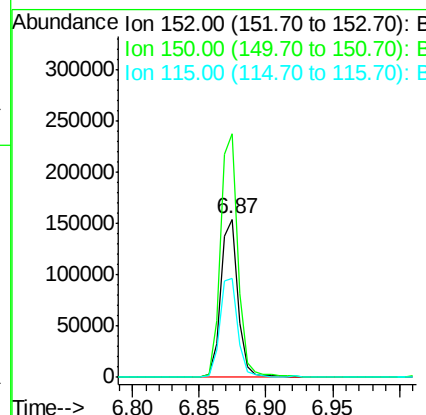
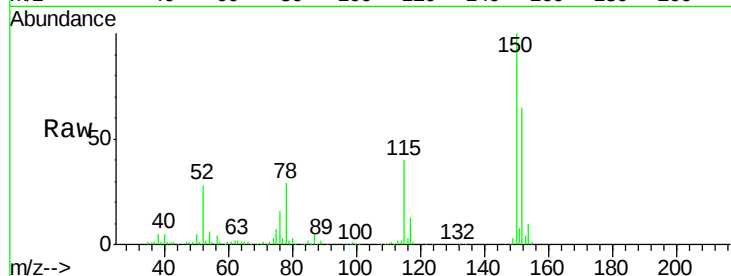
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.87 min Scan# 814
Delta R.T. -0.00 min
Lab File: BF103330.D
Acq: 1 Mar 2018 12:22

Instrument :
BNA_F
ClientSampleId :
SB-03-12-16

Tot Ion	Ratio	Lower	Upper
152	100		
150	154.0	124.6	186.8
115	62.3	50.1	75.1

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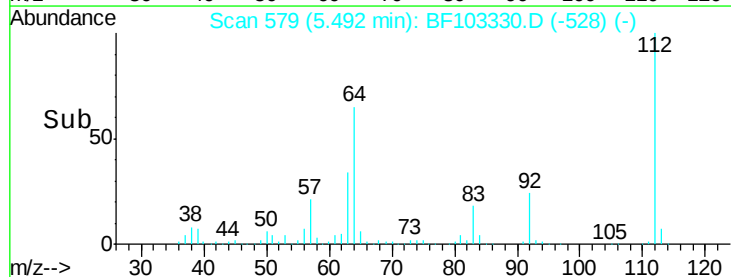
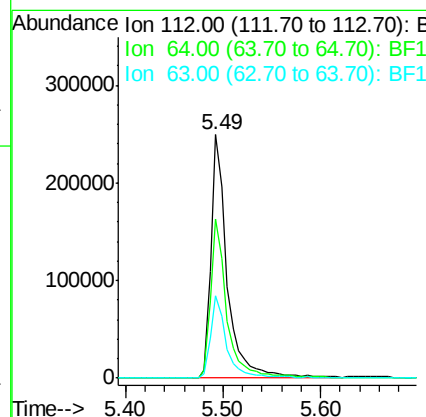
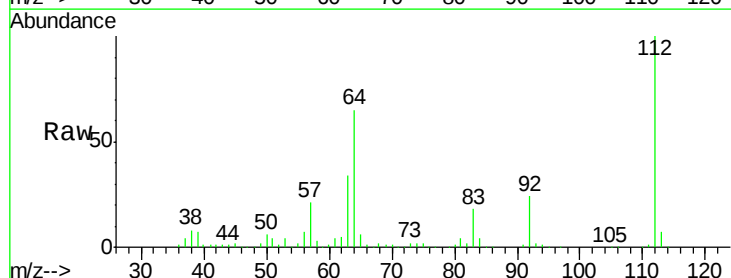
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#5

2-Fluorophenol
Concen: 31.010 ng
RT: 5.49 min Scan# 579
Delta R.T. -0.00 min
Lab File: BF103330.D
Acq: 1 Mar 2018 12:22

Tgt Ion	Ratio	Lower	Upper
112	100		
64	65.5	47.9	71.9
63	33.8	23.7	35.5





#7

Phenol-d6

Concen: 32.096 ng

RT: 6.50 min Scan# 751

Delta R.T. -0.01 min

Lab File: BF103330.D

Acq: 1 Mar 2018 12:22

Instrument :

BNA_F

ClientSampleId :

SB-03-12-16

Tot Ion: 99 Resp: 368347

Ion Ratio Lower Upper

99 100

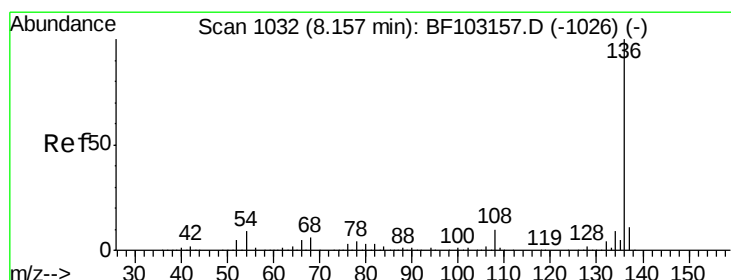
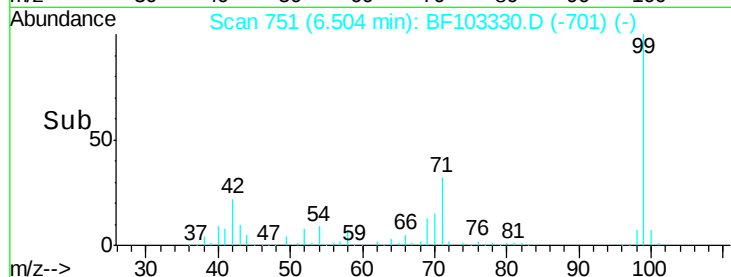
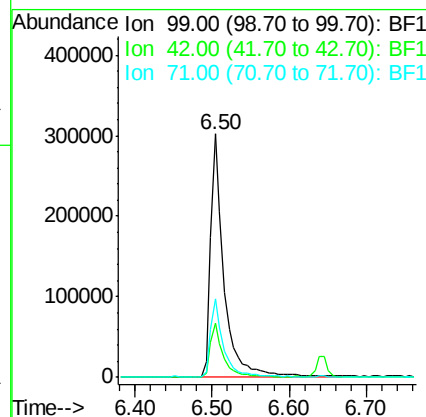
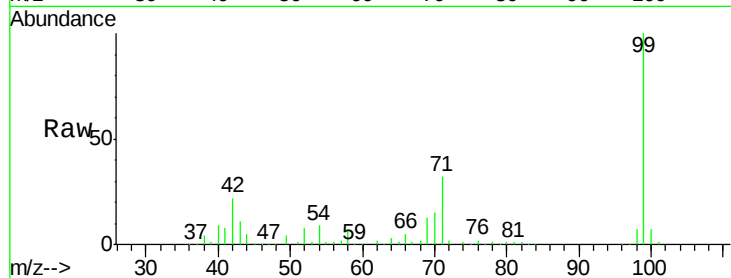
42 22.4 14.5 21.7#

71 32.5 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: BF103330.D

Acq: 1 Mar 2018 12:22

Tgt Ion: 136 Resp: 611109

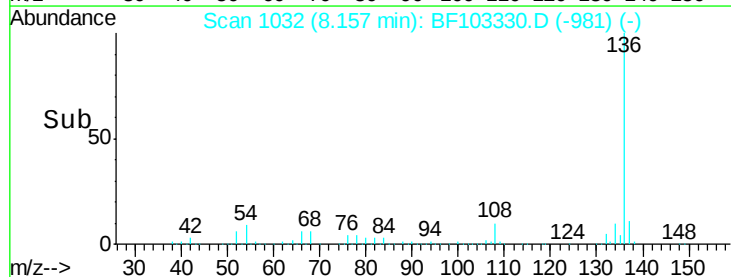
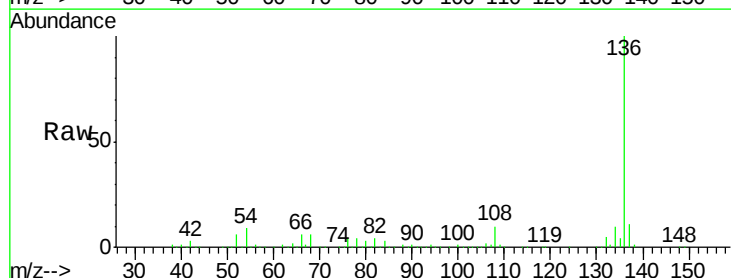
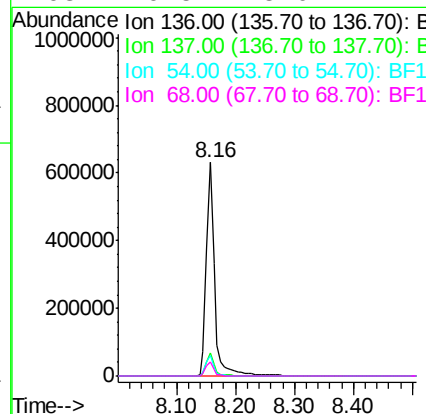
Ion Ratio Lower Upper

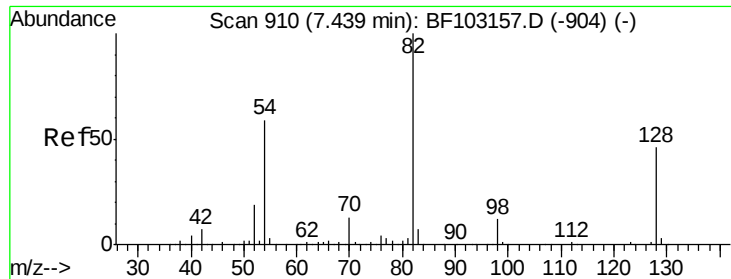
136 100

137 10.9 8.9 13.3

54 9.3 6.6 9.8

68 6.5 5.0 7.4





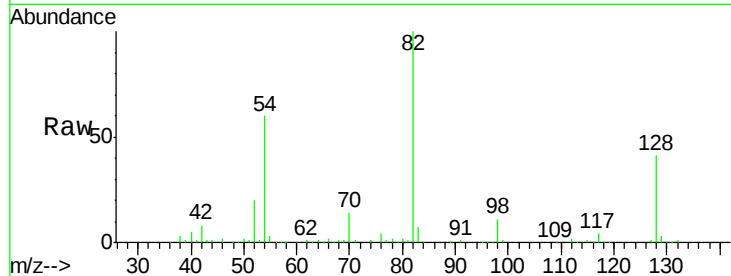
#23
 Nitrobenzene-d5
 Concen: 20.667 ng
 RT: 7.43 min Scan# 909
 Delta R.T. -0.01 min
 Lab File: BF103330.D
 Acq: 1 Mar 2018 12:22

Instrument :
 BNA_F
 ClientSampleId :
 SB-03-12-16

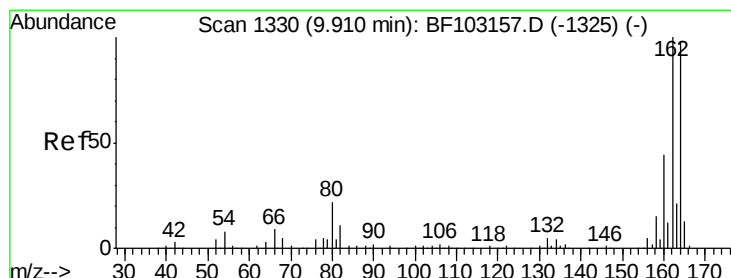
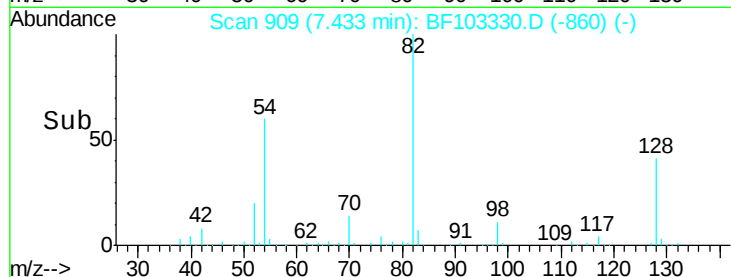
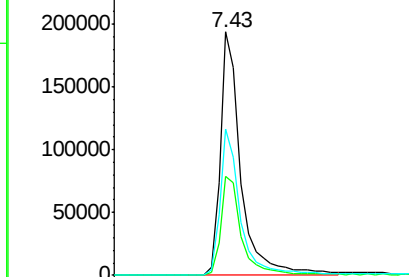
Tot Ion	Ratio	Lower	Upper
82	100		
128	40.6	36.1	54.1
54	60.2	41.4	62.2

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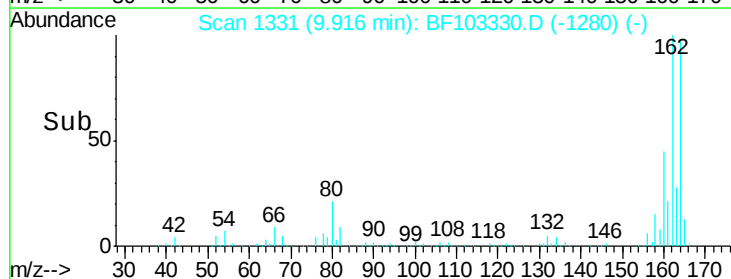
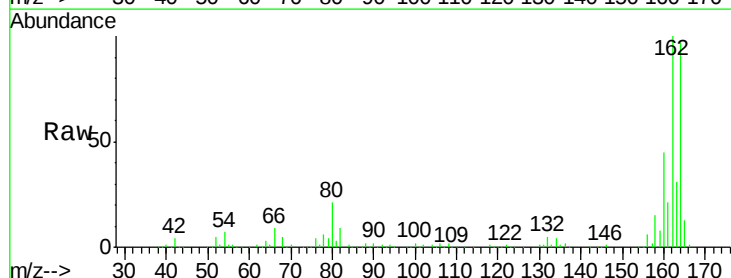
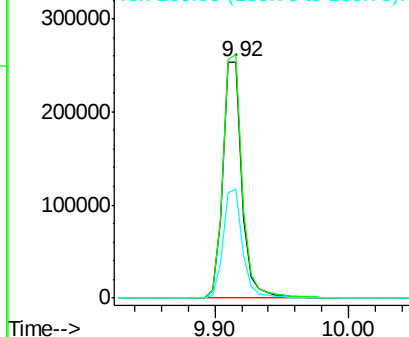
Abundance Ion 82.00 (81.70 to 82.70): BF1
 Ion 128.00 (127.70 to 128.70): BF1
 Ion 54.00 (53.70 to 54.70): BF1

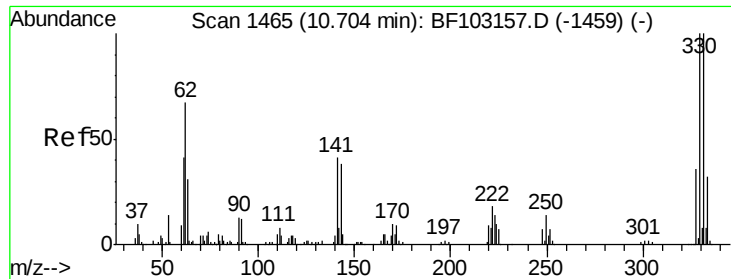


#38
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.92 min Scan# 1331
 Delta R.T. -0.00 min
 Lab File: BF103330.D
 Acq: 1 Mar 2018 12:22

Tgt Ion	Ratio	Lower	Upper
164	100		
162	102.9	86.1	129.1
160	46.3	38.3	57.5

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





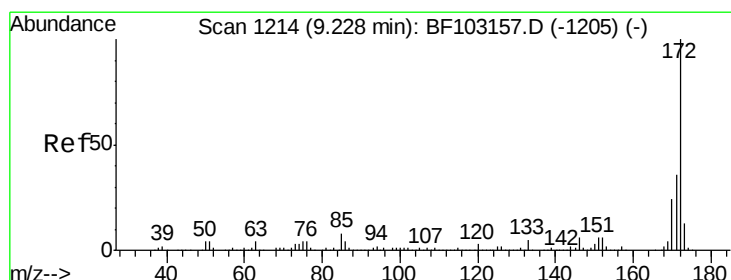
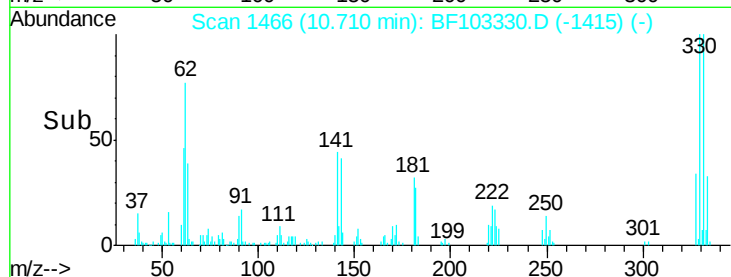
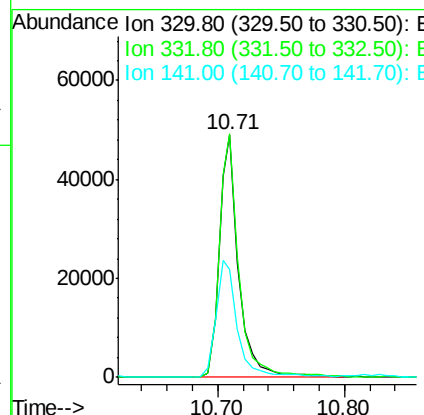
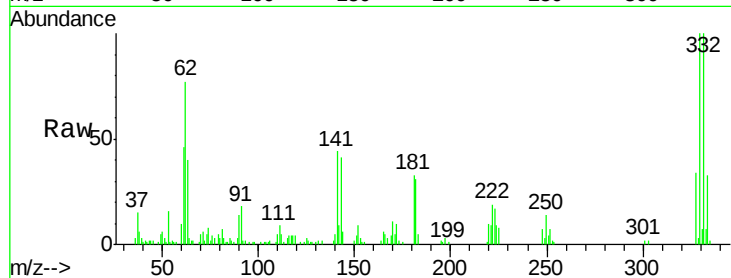
#41
 2,4,6-Tribromophenol
 Concen: 23.682 ng
 RT: 10.71 min Scan# 1466
 Delta R.T. -0.00 min
 Lab File: BF103330.D
 Acq: 1 Mar 2018 12:22

Instrument :
 BNA_F
 ClientSampleId :
 SB-03-12-16

Tot Ion	Ratio	Resp	Lower	Upper
330	100	52116		
332	102.3	77.0	115.6	
141	54.4	29.9	44.9	

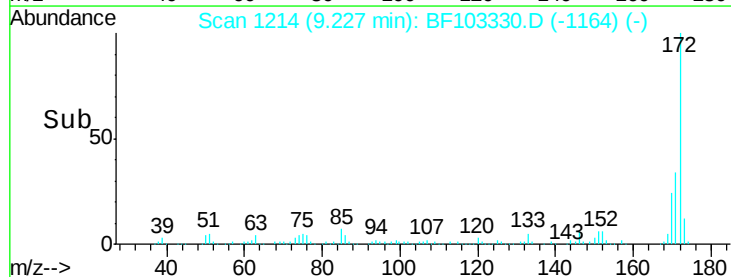
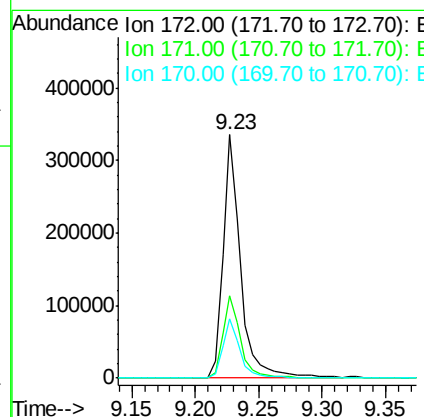
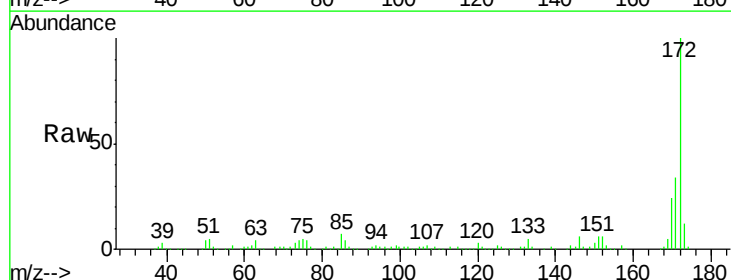
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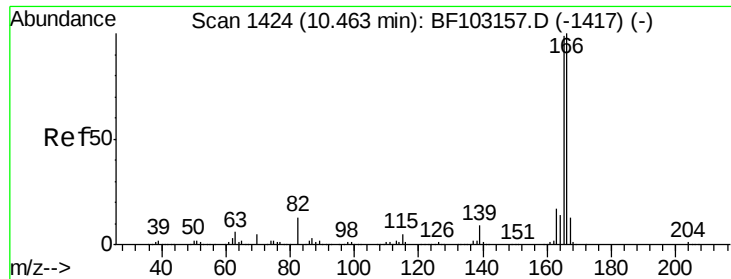
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#44
 2-Fluorobiphenyl
 Concen: 16.476 ng
 RT: 9.23 min Scan# 1214
 Delta R.T. -0.01 min
 Lab File: BF103330.D
 Acq: 1 Mar 2018 12:22

Tgt Ion	Ratio	Resp	Lower	Upper
172	100	327460		
171	33.7	29.7	44.5	
170	24.3	19.6	29.4	





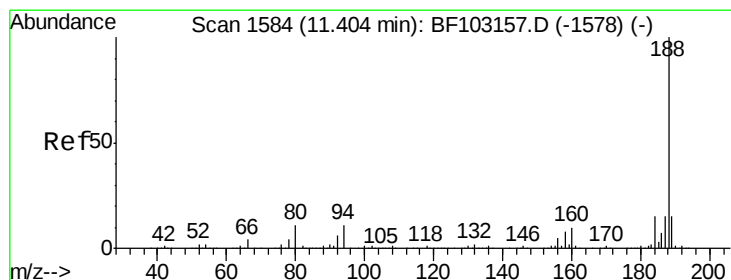
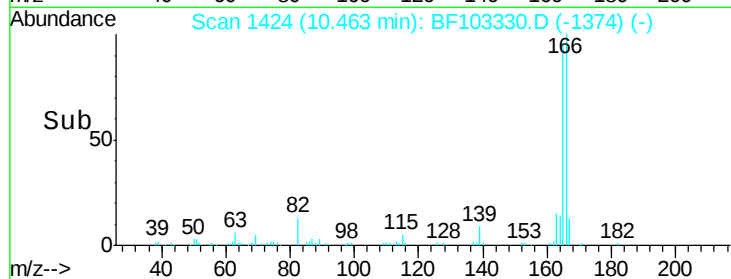
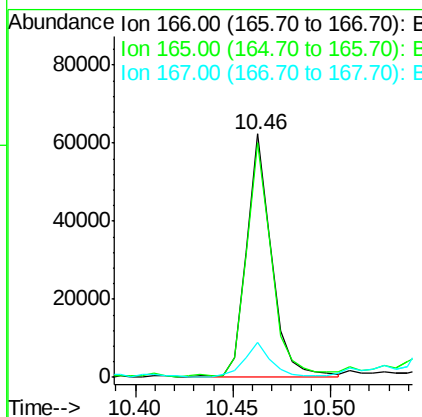
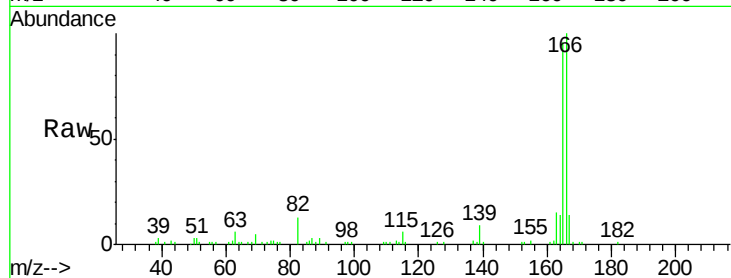
#57
Fluorene
 Concen: 3.100 ng
 RT: 10.46 min Scan# 1424
 Delta R.T. -0.01 min
 Lab File: BF103330.D
 Acq: 1 Mar 2018 12:22

Instrument :
 BNA_F
 ClientSampleId :
 SB-03-12-16

Tot Ion	Ratio	Lower	Upper
166	100		
165	96.4	79.8	119.8
167	14.4	10.6	16.0

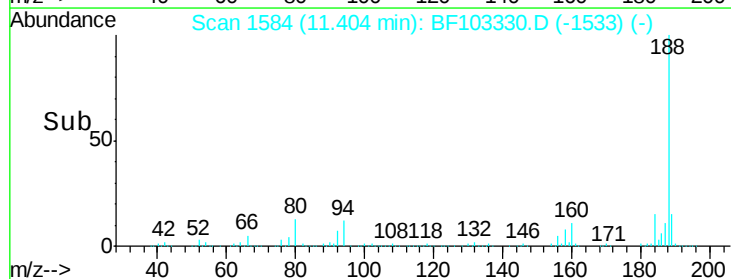
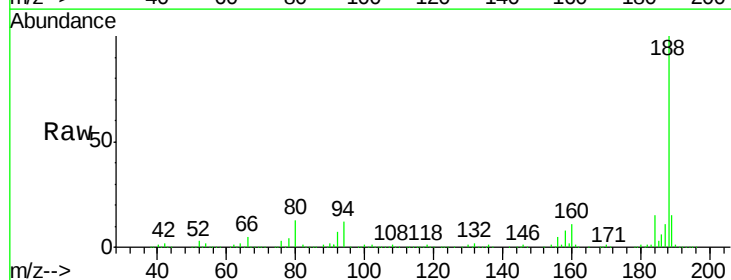
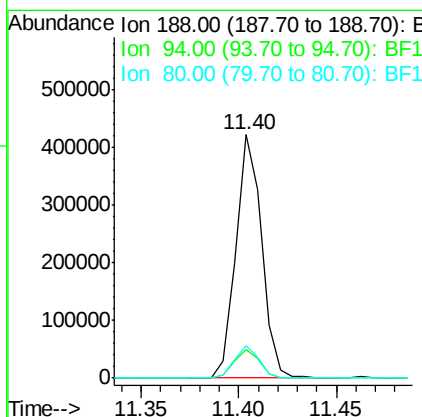
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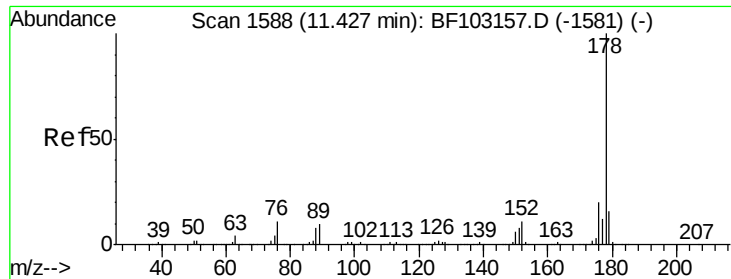
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#63
Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.40 min Scan# 1584
 Delta R.T. -0.00 min
 Lab File: BF103330.D
 Acq: 1 Mar 2018 12:22

Tgt Ion	Ratio	Lower	Upper
188	100		
94	11.9	8.5	12.7
80	13.4	9.2	13.8





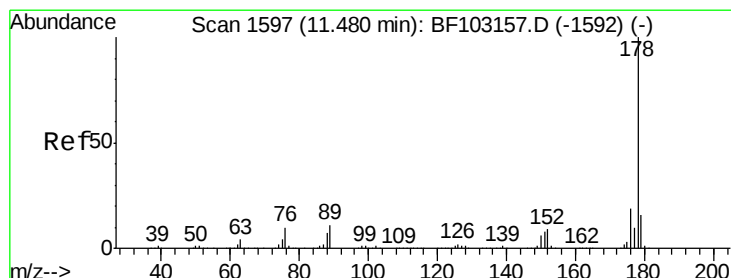
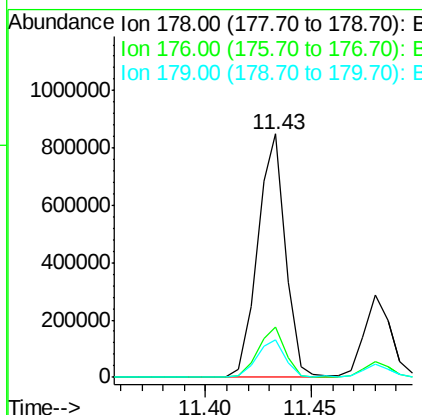
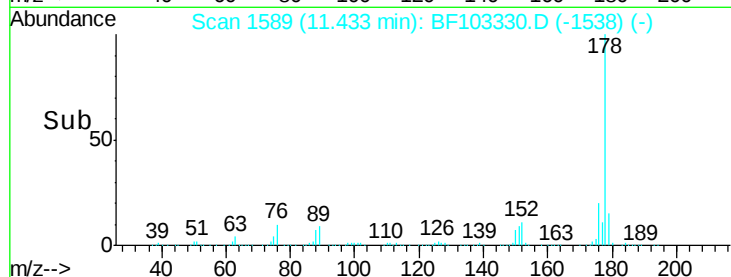
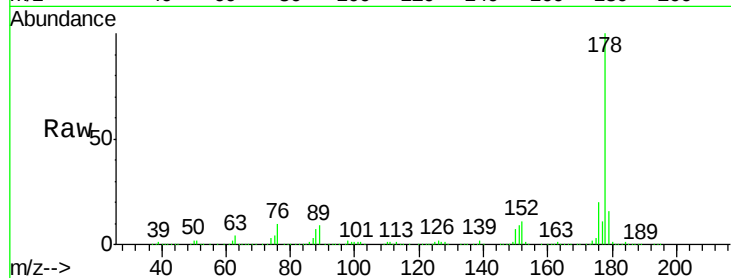
#70
Phenanthrene
Concen: 36.525 ng
RT: 11.43 min Scan# 1589
Delta R.T. -0.00 min
Lab File: BF103330.D
Acq: 1 Mar 2018 12:22

Instrument :
BNA_F
ClientSampleId :
SB-03-12-16

Tot Ion	Ratio	Lower	Upper
178	100		
176	20.4	15.8	23.8
179	15.5	13.0	19.6

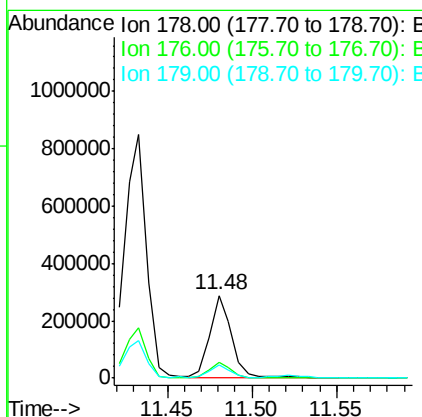
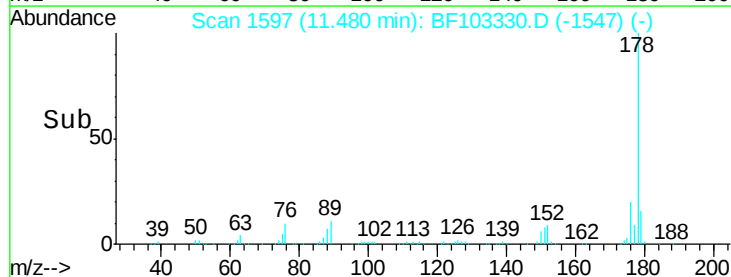
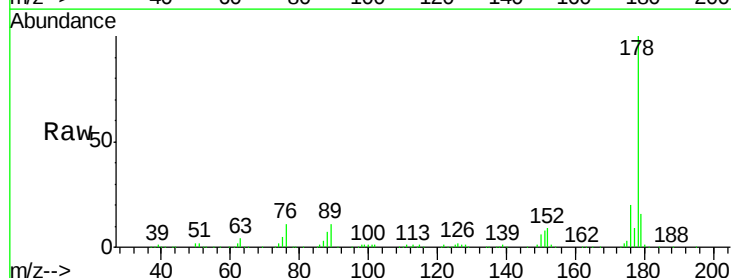
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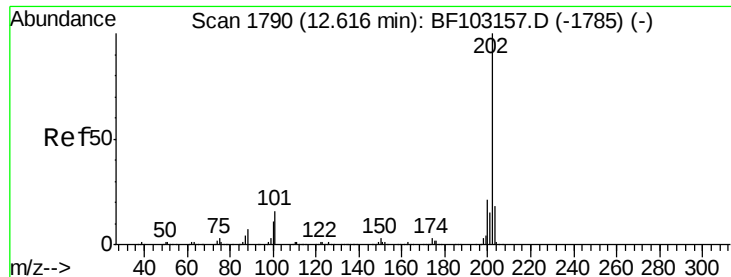
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#71
Anthracene
Concen: 11.855 ng
RT: 11.48 min Scan# 1597
Delta R.T. -0.01 min
Lab File: BF103330.D
Acq: 1 Mar 2018 12:22

Tgt Ion	Ratio	Lower	Upper
178	100		
176	19.5	15.4	23.2
179	16.1	12.6	19.0





#74

Fluoranthene

Concen: 30.850 ng

RT: 12.62 min Scan# 1791

Delta R.T. -0.00 min

Lab File: BF103330.D

Acq: 1 Mar 2018 12:22

Instrument :

BNA_F

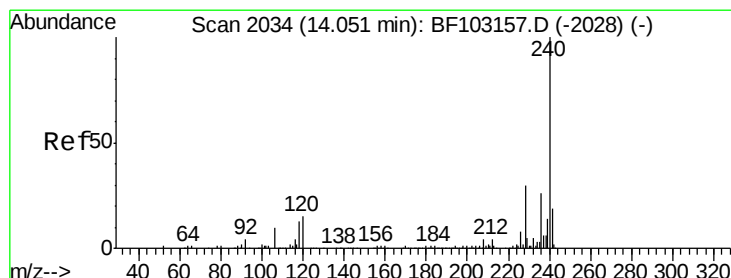
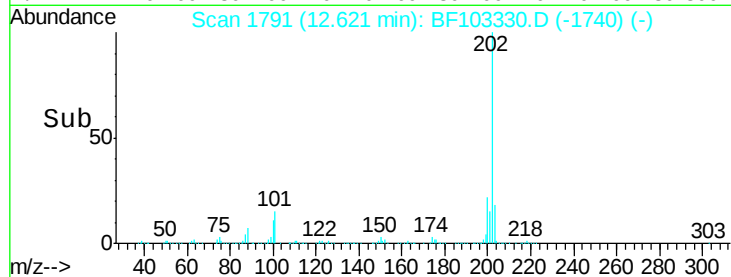
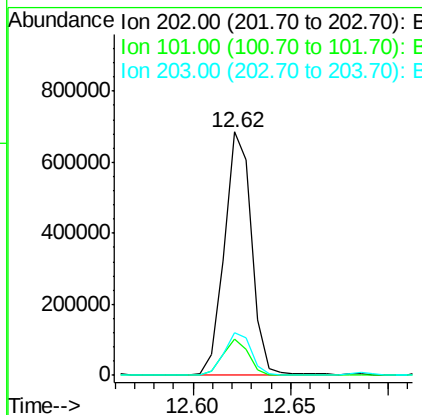
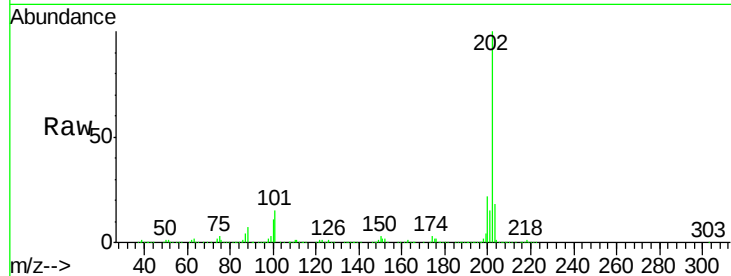
ClientSampleId :

SB-03-12-16

Tot Ion:	202	Resp:	660448
Ion Ratio	Lower	Upper	
202	100		
101	14.8	0.0	34.1
203	17.7	0.0	38.1

Manual Integrations
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#75

Chrysene-d12

Concen: 20.000 ng

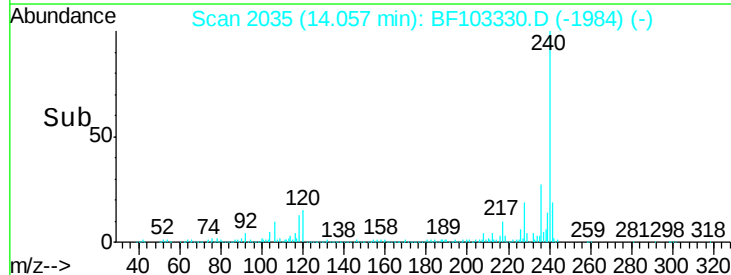
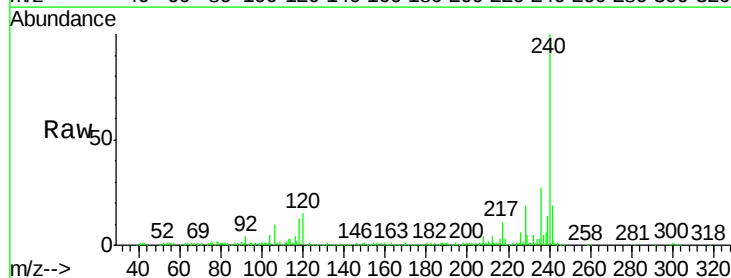
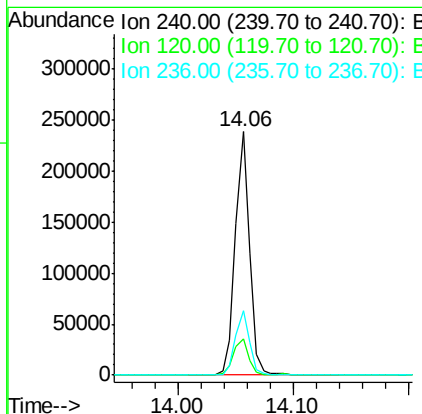
RT: 14.06 min Scan# 2035

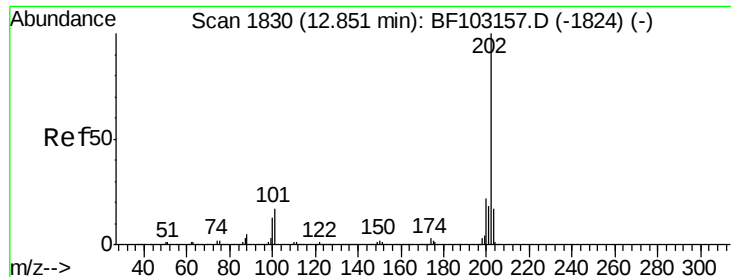
Delta R.T. -0.00 min

Lab File: BF103330.D

Acq: 1 Mar 2018 12:22

Tgt Ion:	240	Resp:	204836
Ion Ratio	Lower	Upper	
240	100		
120	14.8	9.5	14.3#
236	26.5	20.7	31.1





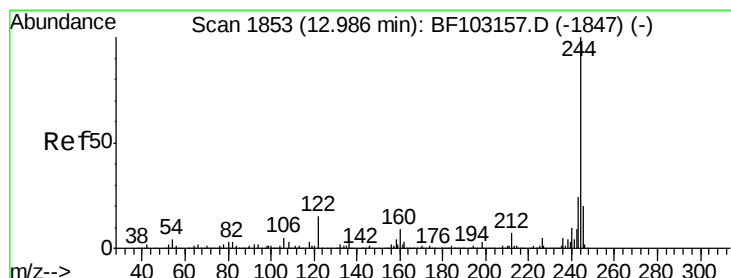
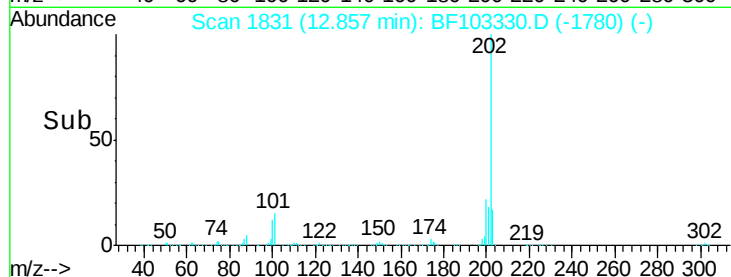
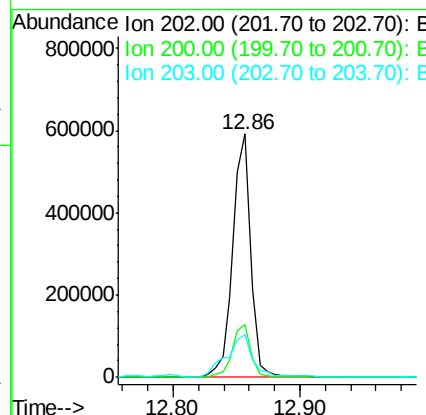
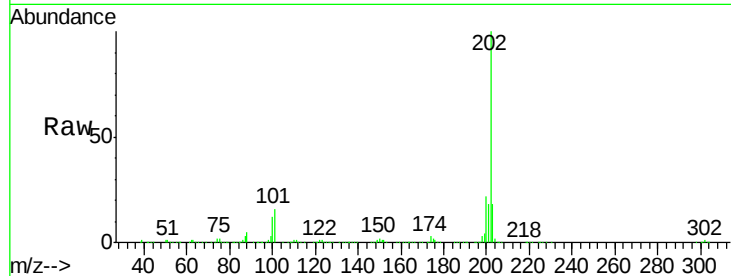
#77
Pvrene
Concen: 36.121 ng
RT: 12.86 min Scan# 1831
Delta R.T. -0.00 min
Lab File: BF103330.D
Acq: 1 Mar 2018 12:22

Instrument :
BNA_F
ClientSampleId :
SB-03-12-16

Tot Ion	Ratio	Lower	Upper
202	100		
200	22.0	17.4	26.2
203	17.7	14.3	21.5

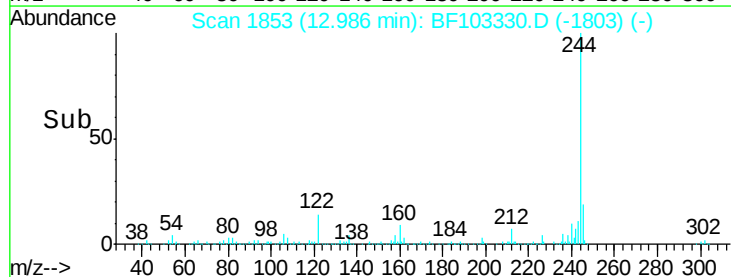
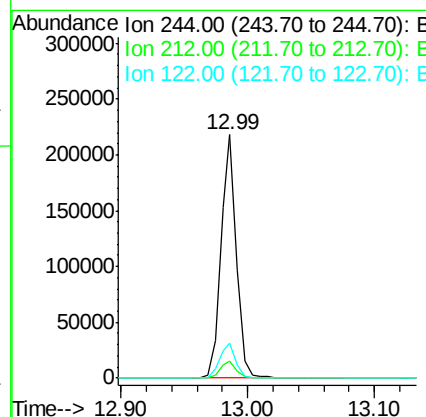
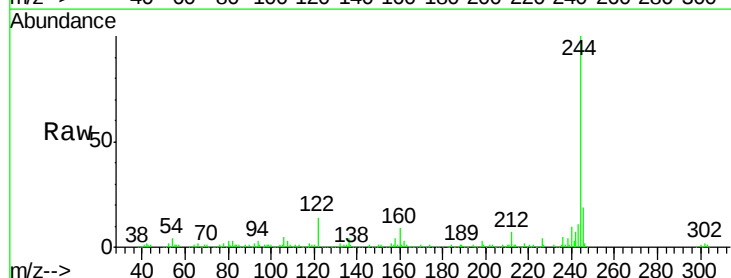
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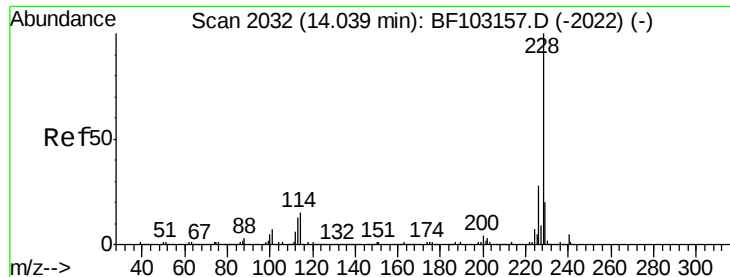
Sohil
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#78
Terphenyl-d14
Concen: 21.870 ng
RT: 12.99 min Scan# 1853
Delta R.T. -0.01 min
Lab File: BF103330.D
Acq: 1 Mar 2018 12:22

Tgt Ion	Ratio	Lower	Upper
244	100		
212	7.2	5.4	8.0
122	14.2	11.0	16.4





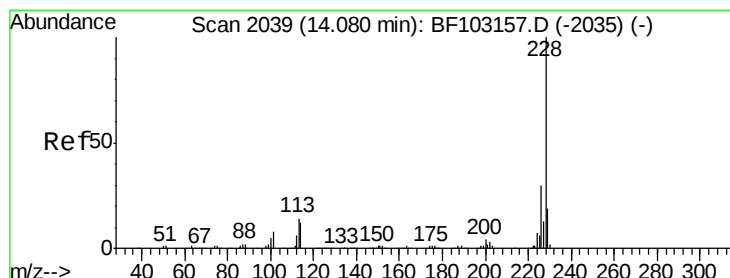
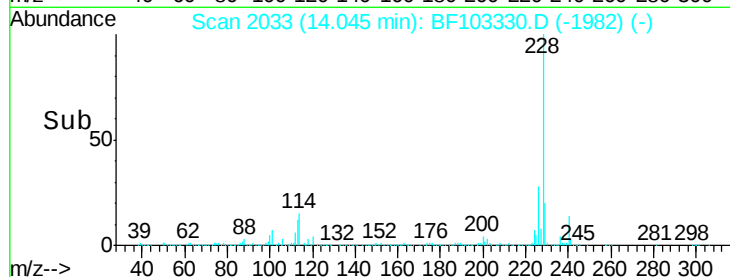
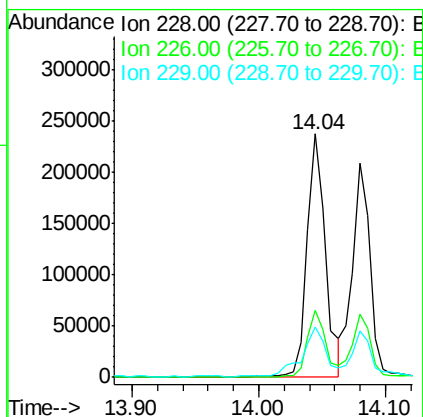
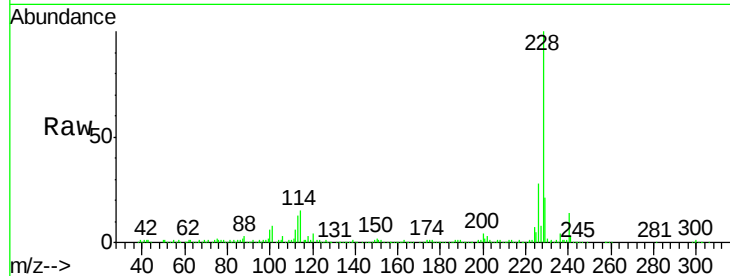
#80
Benzo(a)anthracene
Concen: 18.138 ng
RT: 14.04 min Scan# 2033
Delta R.T. -0.00 min
Lab File: BF103330.D
Acq: 1 Mar 2018 12:22

Instrument :
BNA_F
ClientSampleId :
SB-03-12-16

Tot Ion	Ratio	Lower	Upper
228	100		
226	27.7	22.6	33.8
229	20.8	15.8	23.6

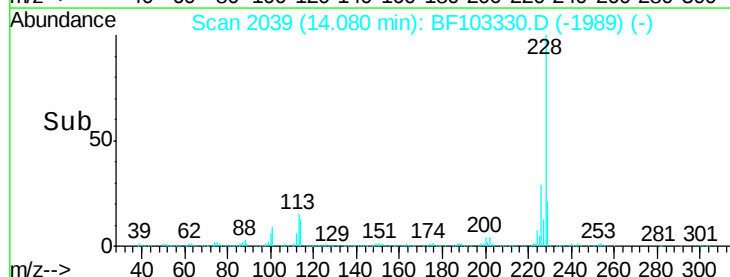
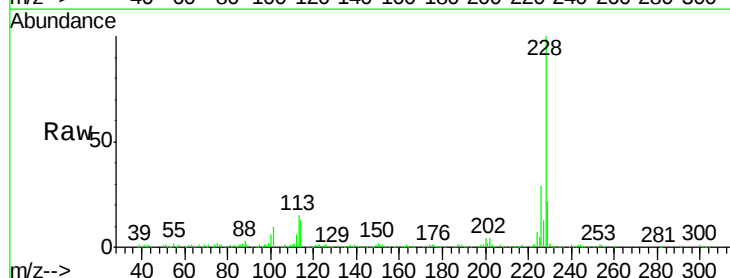
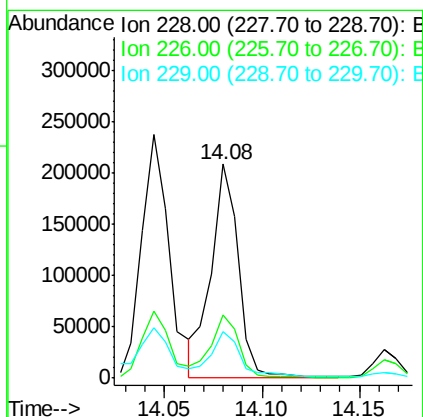
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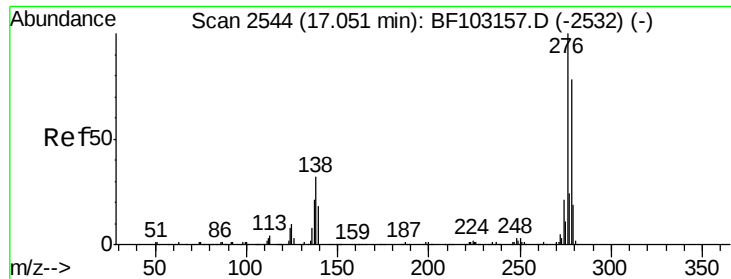
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3/2/2018 3:30:24 PM



#82
Chrysene
Concen: 15.736 ng
RT: 14.08 min Scan# 2039
Delta R.T. -0.01 min
Lab File: BF103330.D
Acq: 1 Mar 2018 12:22

Tgt Ion	Ratio	Lower	Upper
228	100		
226	29.4	25.0	37.6
229	21.8	16.2	24.4





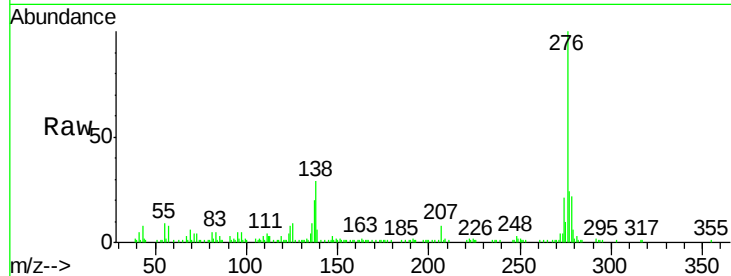
#85
 Indeno(1,2,3-cd)pyrene
 Concen: 10.538 ng
 RT: 17.08 min Scan# 2549
 Delta R.T. -0.01 min
 Lab File: BF103330.D
 Acq: 1 Mar 2018 12:22

Instrument :
 BNA_F
 ClientSampleId :
 SB-03-12-16

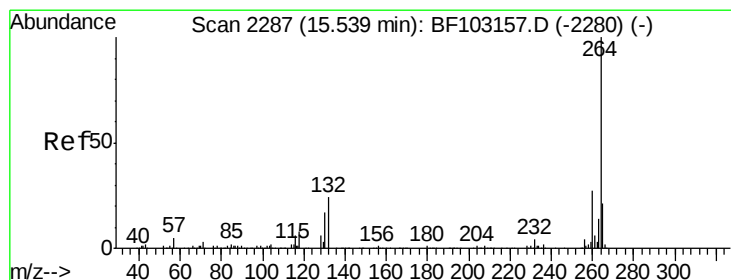
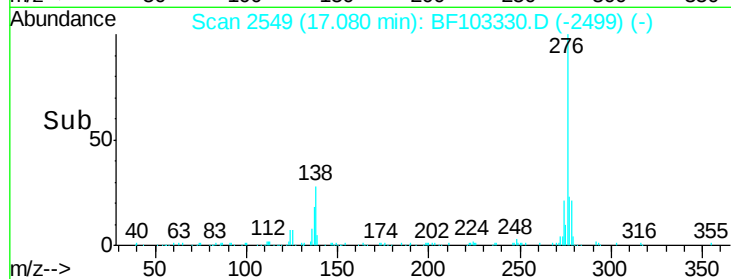
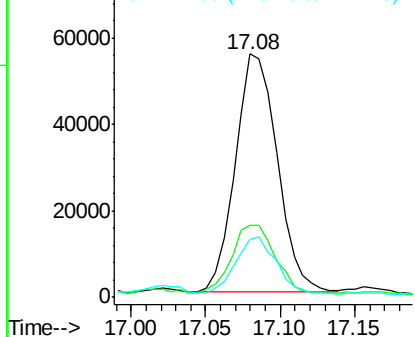
Tot Ion	Ratio	Lower	Upper
276	100		
138	31.1	25.0	37.6
277	23.2	20.1	30.1

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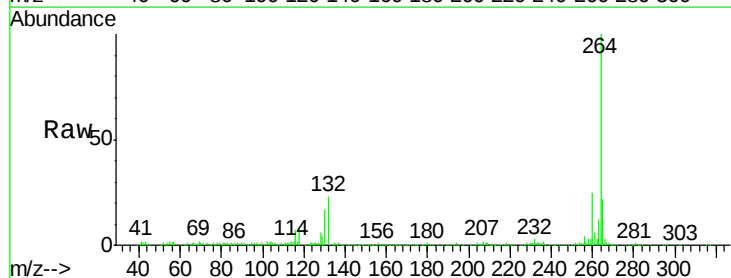


Abundance Ion 276.00 (275.70 to 276.70): E
 Ion 138.00 (137.70 to 138.70): E
 Ion 277.00 (276.70 to 277.70): E

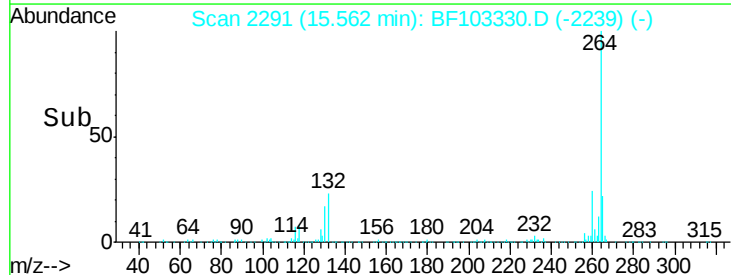
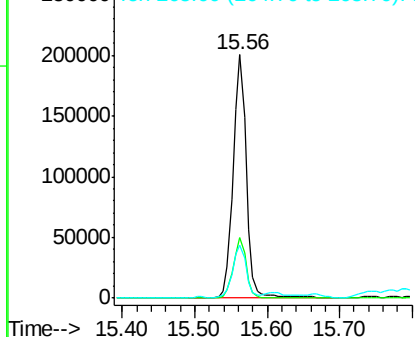


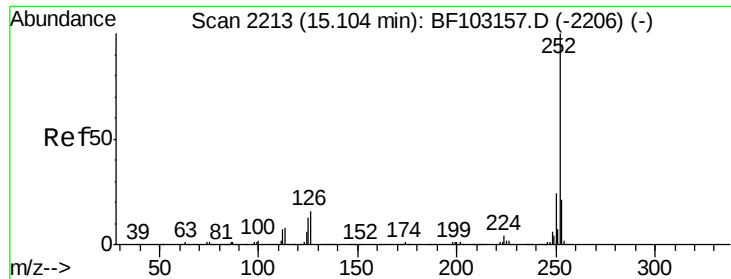
#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.56 min Scan# 2291
 Delta R.T. 0.01 min
 Lab File: BF103330.D
 Acq: 1 Mar 2018 12:22

Tgt Ion	Ratio	Lower	Upper
264	100		
260	24.6	19.2	28.8
265	21.5	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: 15.476 ng m

RT: 15.12 min Scan# 2216

Delta R.T. 0.01 min

Lab File: BF103330.D

Acq: 1 Mar 2018 12:22

Instrument :

BNA_F

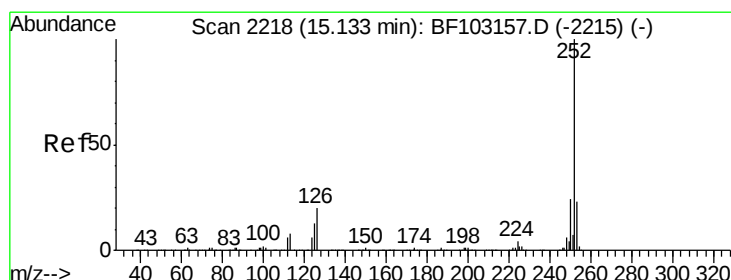
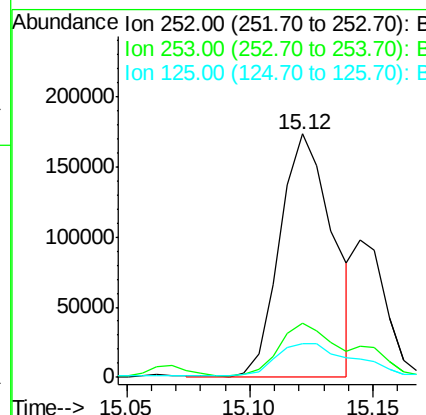
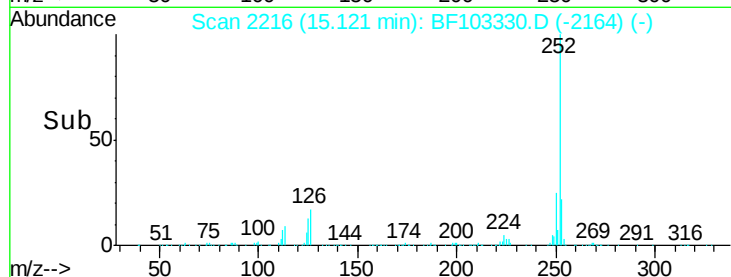
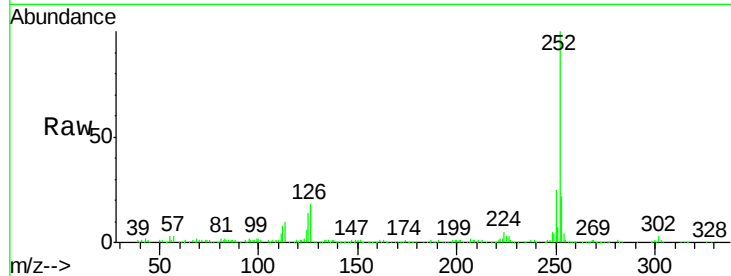
ClientSampleId :

SB-03-12-16

Tot Ion:	252	Resp:	259859
Ion Ratio	Lower	Upper	
252	100		
253	22.4	17.0	25.6
125	14.0	9.0	13.6

Manual Integrations
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#88

Benzo(k)fluoranthene

Concen: 5.752 ng m

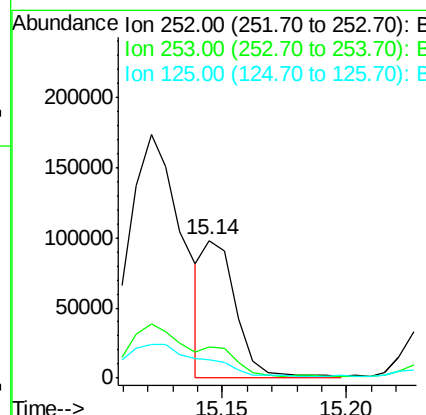
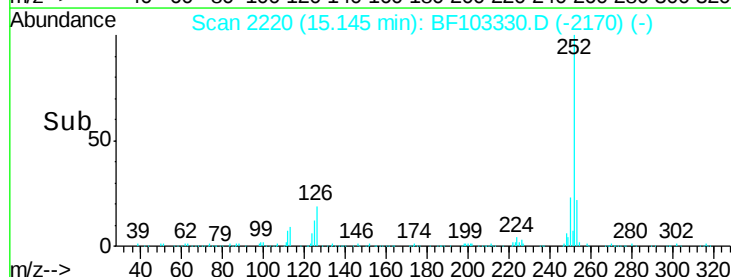
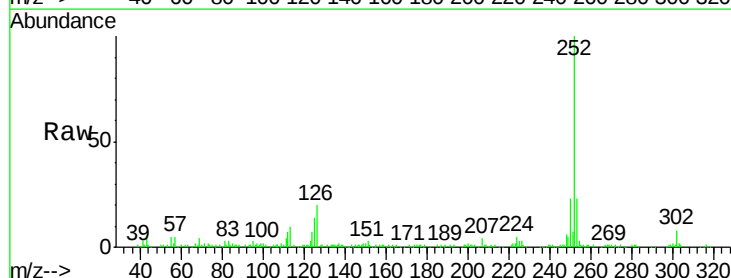
RT: 15.14 min Scan# 2220

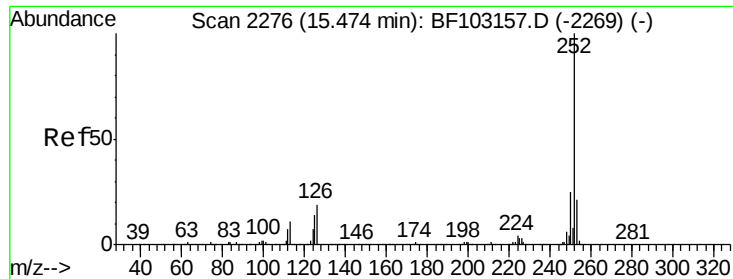
Delta R.T. -0.01 min

Lab File: BF103330.D

Acq: 1 Mar 2018 12:22

Tgt Ion:	252	Resp:	90948
Ion Ratio	Lower	Upper	
252	100		
253	22.8	17.9	26.9
125	13.8	10.2	15.2





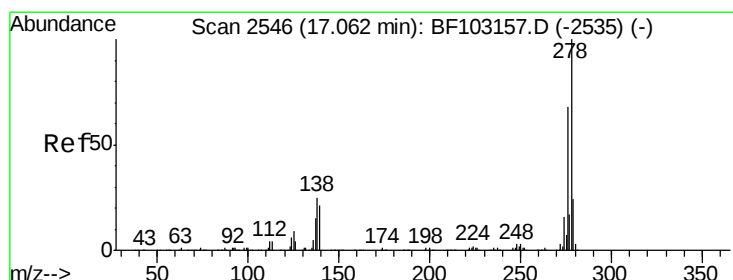
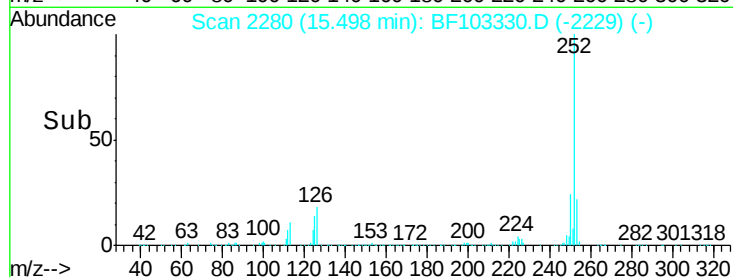
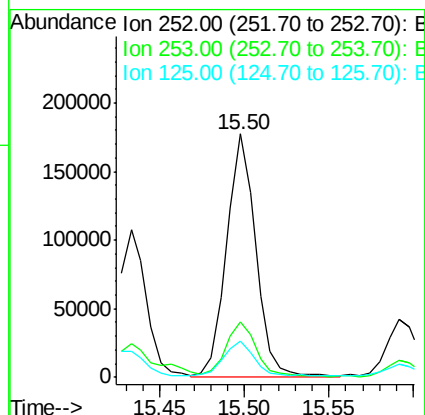
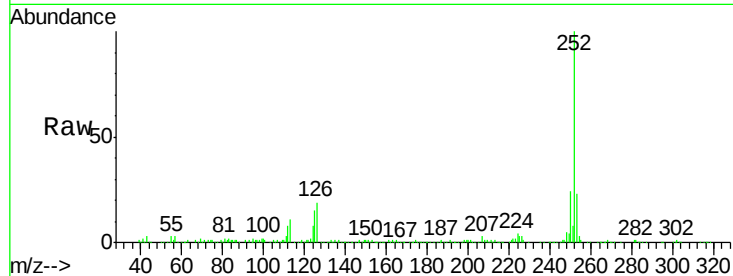
#89
Benzo(a)pyrene
Concen: 14.124 ng
RT: 15.50 min Scan# 2280
Delta R.T. -0.00 min
Lab File: BF103330.D
Acq: 1 Mar 2018 12:22

Instrument :
BNA_F
ClientSampleId :
SB-03-12-16

Tot Ion	Ratio	Lower	Upper
252	100		
253	22.6	17.1	25.7
125	14.8	9.8	14.6

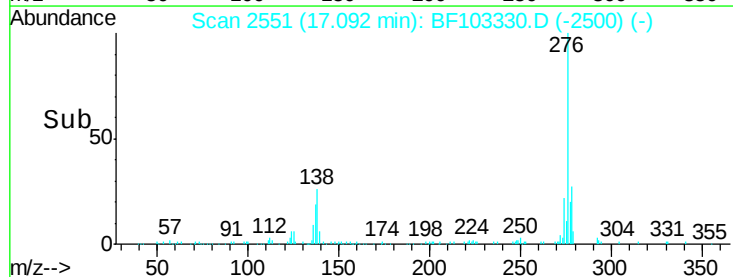
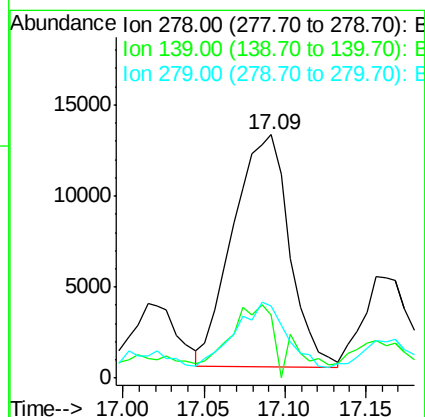
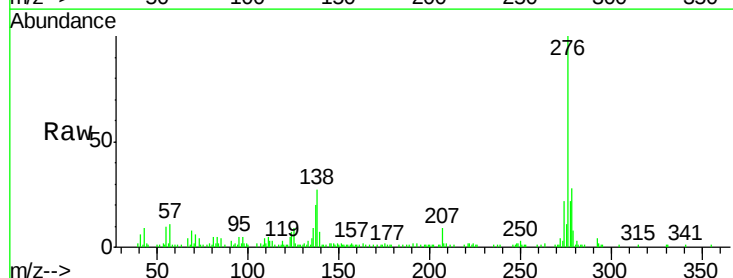
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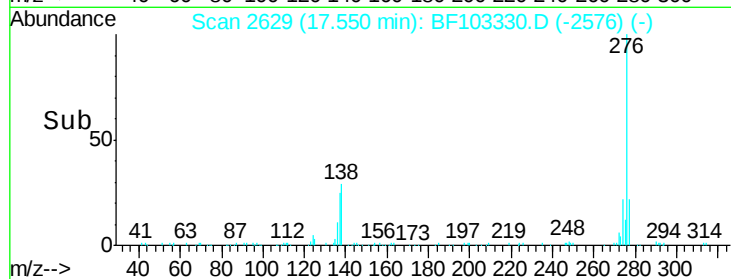
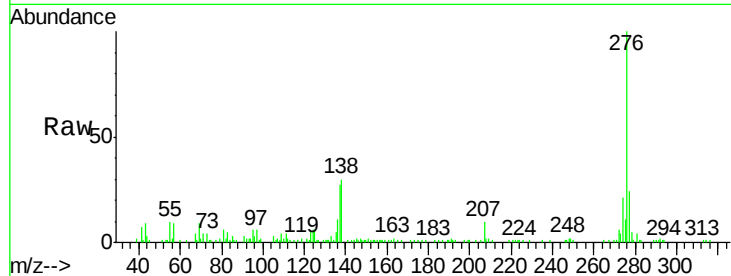
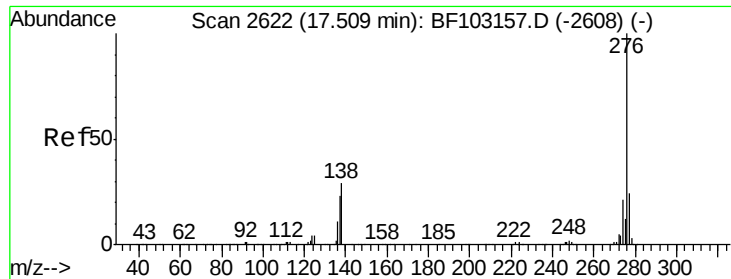
Sohil
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#90
Dibenzo(a,h)anthracene
Concen: 2.674 ng m
RT: 17.09 min Scan# 2551
Delta R.T. -0.00 min
Lab File: BF103330.D
Acq: 1 Mar 2018 12:22

Tgt Ion	Ratio	Lower	Upper
278	100		
139	25.9	15.9	23.9
279	29.7	19.0	28.4





#91

Benzo(a,h,i)perylene

Concen: 8.528 ng

RT: 17.55 min Scan# 2629

Delta R.T. 0.01 min

Lab File: BF103330.D

Acq: 1 Mar 2018 12:22

Instrument :

BNA_F

ClientSampleId :

SB-03-12-16

Tot Ion:	276	Resp:	96566
Ion Ratio		Lower	Upper
276	100		
277	23.8	17.9	26.9
138	30.1	21.8	32.8

Manual Integrations
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