

Data Path : Z:\HPCHEM1\BNA F\DATA\BF032718\
 Data File : BF103996.D
 Acq On : 28 Mar 2018 4:22
 Operator : JU/SJ
 Sample : J2069-01
 Misc :
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 MS-CONCRETE

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

Quant Time: Mar 28 07:24:13 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	136912	20.00	ng	0.00
21) Naphthalene-d8	8.25	136	558335	20.00	ng	0.00
38) Acenaphthene-d10	10.01	164	245438	20.00	ng	-0.01
63) Phenanthrene-d10	11.50	188	390763	20.00	ng	0.00
75) Chrysene-d12	14.16	240	273335	20.00	ng	0.00
86) Perylene-d12	15.72	264	244049	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.60	112	253660	28.18	ng	0.00
7) Phenol-d6	6.60	99	684427	62.15	ng	0.00
23) Nitrobenzene-d5	7.53	82	498576	62.27	ng	0.00
41) 2,4,6-Tribromophenol	10.80	330	33038	15.66	ng	0.00
44) 2-Fluorobiphenyl	9.33	172	949233	61.69	ng	0.00
78) Terphenyl-d14	13.09	244	731426	62.11	ng	0.00
Target Compounds						
10) Phenol	6.61	94	50632	4.327	ng	80
49) Dimethylphthalate	9.72	163	72800	3.888	ng	99
70) Phenanthrene	11.53	178	90771	4.246	ng	99
74) Fluoranthene	12.72	202	192285	8.732	ng	99
77) Pyrene	12.96	202	200242	9.975	ng	99
80) Benzo(a)anthracene	14.15	228	102872	5.946	ng	99
82) Chrysene	14.19	228	96361	5.842	ng	97
83) Bis(2-ethylhexyl)phthalate	14.12	149	32564	2.563	ng	99
85) Indeno(1,2,3-cd)pyrene	17.30	276	43200	2.999	ng	# 89
87) Benzo(b)fluoranthene	15.26	252	112098m	7.270	ng	
88) Benzo(k)fluoranthene	15.29	252	36290m	2.449	ng	
89) Benzo(a)pyrene	15.65	252	82489	5.899	ng	# 95
91) Benzo(a,h,i)perylene	17.79	276	45576	3.869	ng	97

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

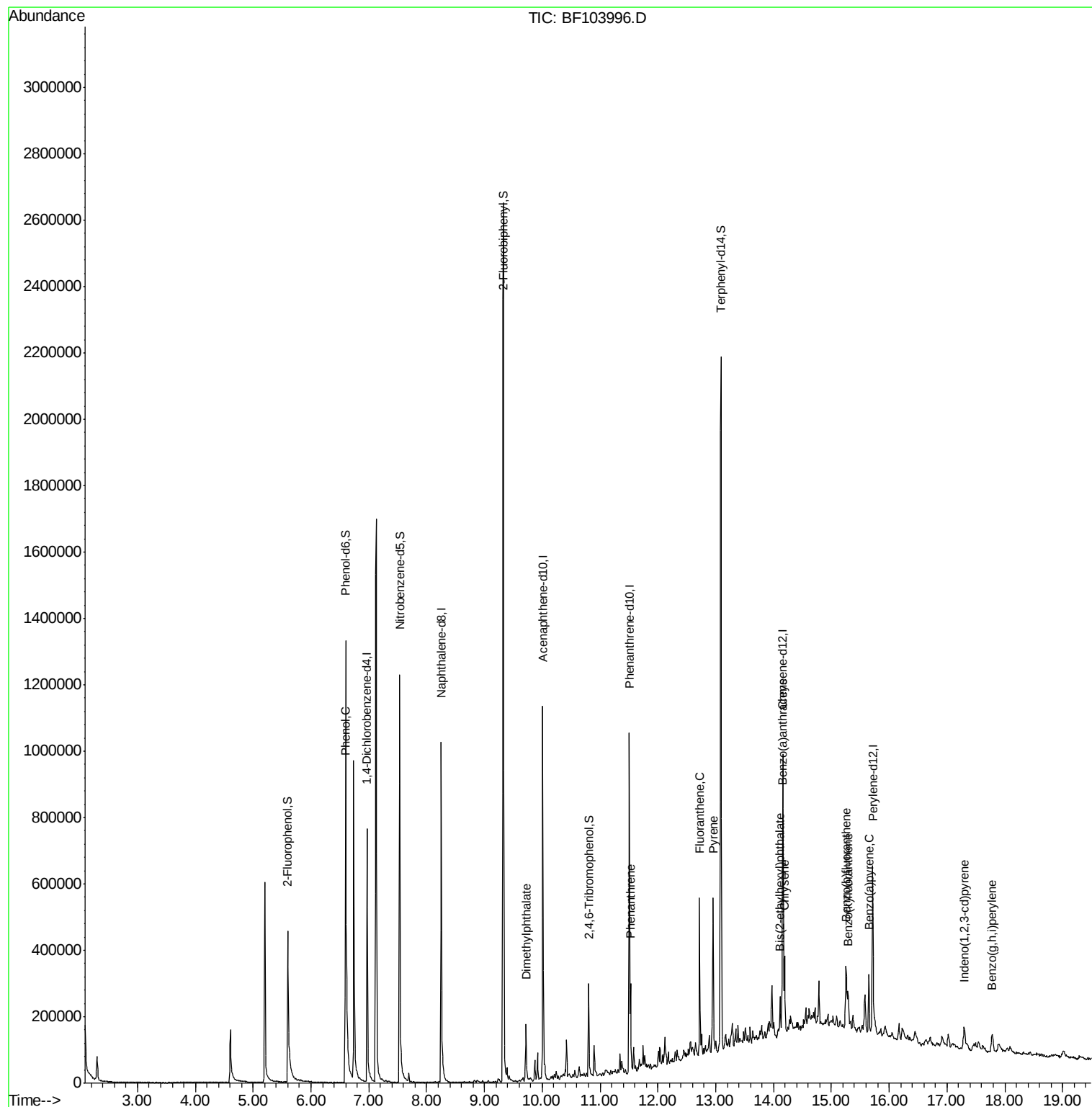
Data Path : Z:\HPCHEM1\BNA F\DATA\BF032718\
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ALS Vial : 26 Sample Multiplier: 1

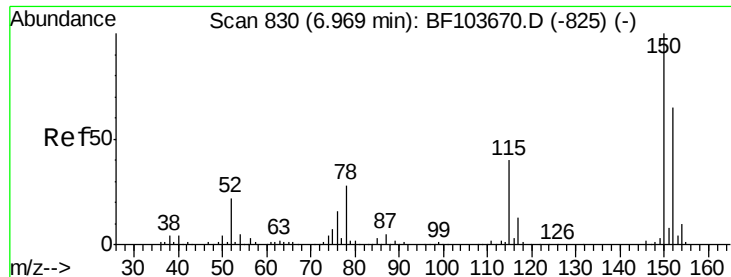
Instrument :
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#1

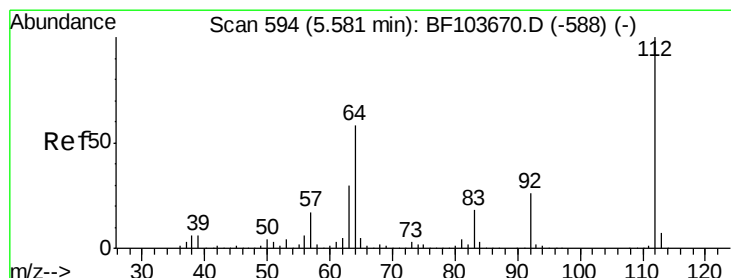
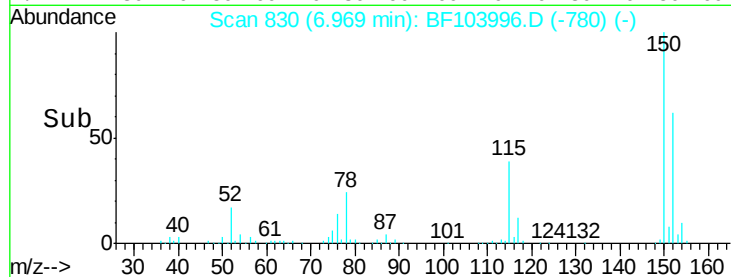
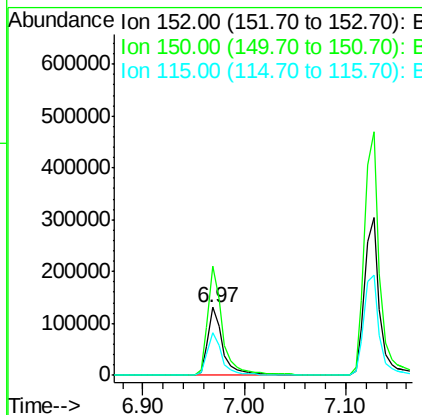
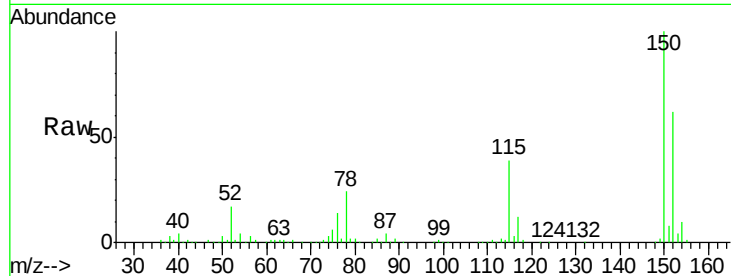
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.97 min Scan# 830
Delta R.T. -0.01 min
Lab File: BF103996.D
Acq: 28 Mar 2018 4:22

Instrument :
BNA_F
ClientSampleId :
MS-CONCRETE

Tot Ion	Ratio	Lower	Upper
152	100		
150	161.5	124.6	186.8
115	62.9	50.1	75.1

Manual Integrations
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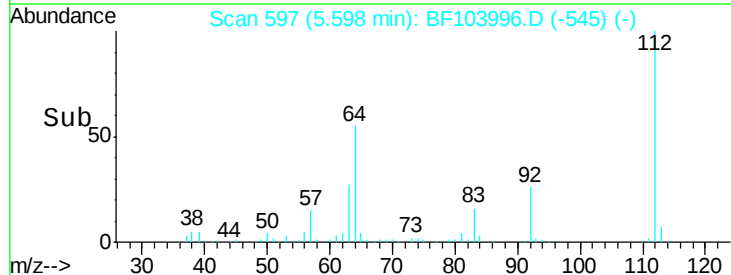
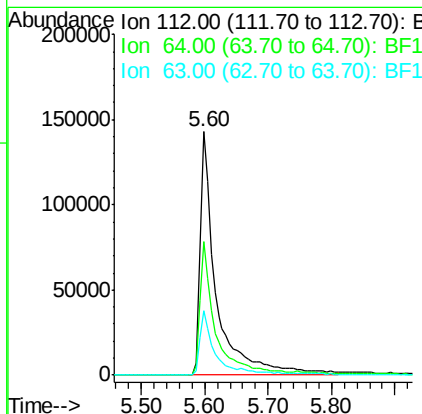
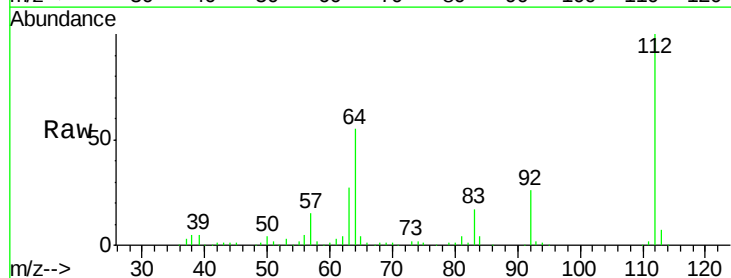
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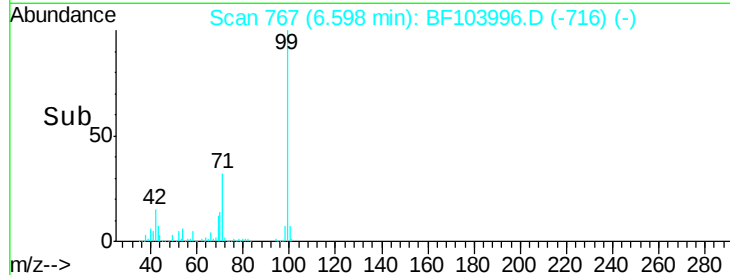
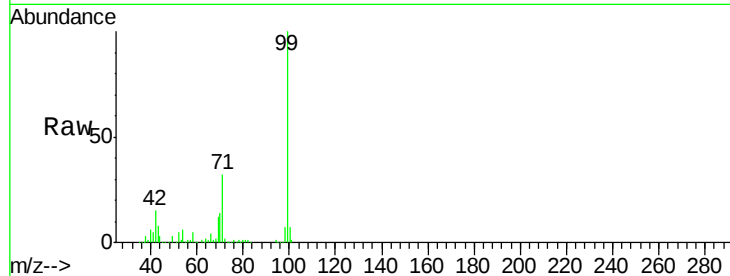
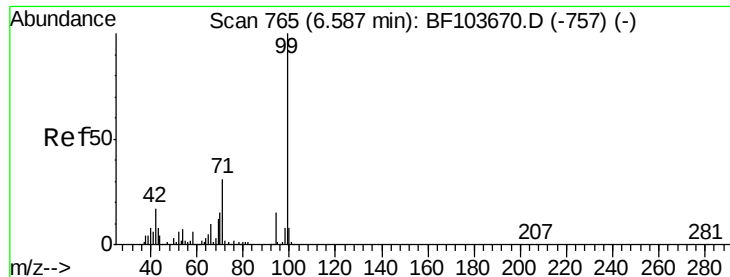


#5

2-Fluorophenol
Concen: 28.180 ng
RT: 5.60 min Scan# 597
Delta R.T. 0.01 min
Lab File: BF103996.D
Acq: 28 Mar 2018 4:22

Tgt Ion	Ratio	Lower	Upper
112	100		
64	54.6	47.9	71.9
63	26.7	23.7	35.5





#7

Phenol-d6

Concen: 62.149 ng

RT: 6.60 min Scan# 767

Delta R.T. -0.00 min

Lab File: BF103996.D

Acq: 28 Mar 2018 4:22

Tot Ion:	99	Resp:	684427
Ion	Ratio	Lower	Upper
99	100		
42	15.0	14.5	21.7
71	31.6	25.4	38.0

Instrument :

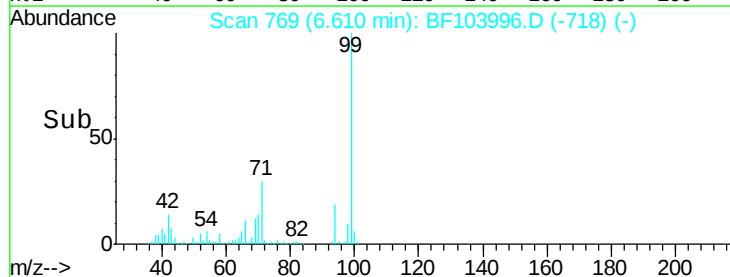
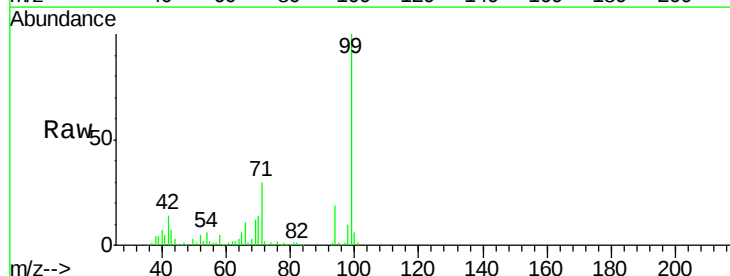
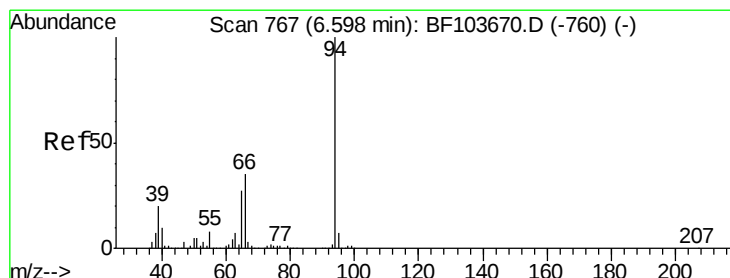
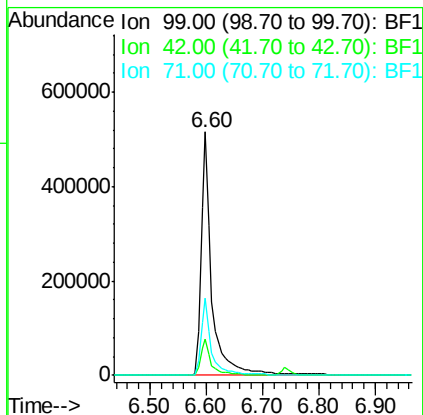
BNA_F

ClientSampleId :

MS-CONCRETE

Manual Integrations
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#10

Phenol

Concen: 4.327 ng

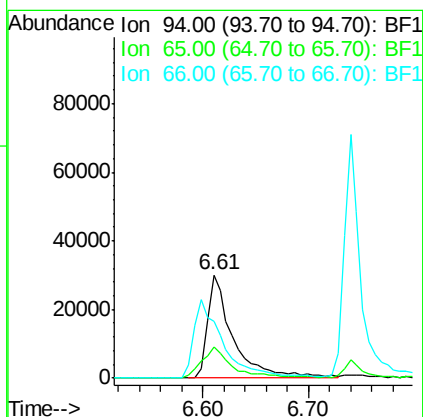
RT: 6.61 min Scan# 769

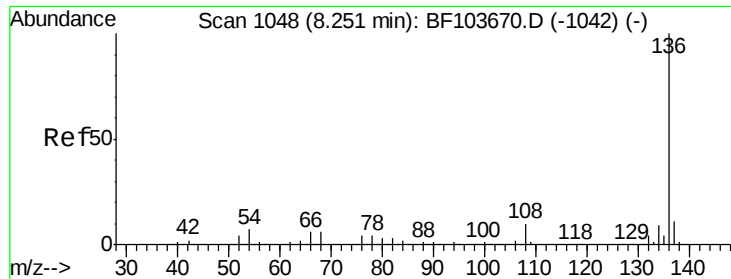
Delta R.T. -0.00 min

Lab File: BF103996.D

Acq: 28 Mar 2018 4:22

Tgt Ion:	94	Resp:	50632
Ion	Ratio	Lower	Upper
94	100		
65	30.5	7.9	47.9
66	54.6	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: BF103996.D

Acq: 28 Mar 2018 4:22

Instrument :

BNA_F

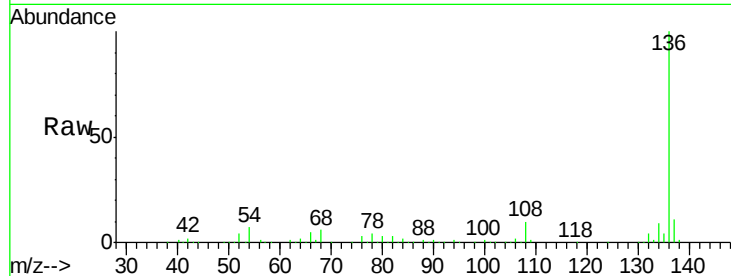
ClientSampleId :

MS-CONCRETE

Tot Ion	Ion	Ratio	Resp	Lower	Upper
136	100		558335		
137	11.2		8.9	13.3	
54	7.3		6.6	9.8	
68	6.3		5.0	7.4	

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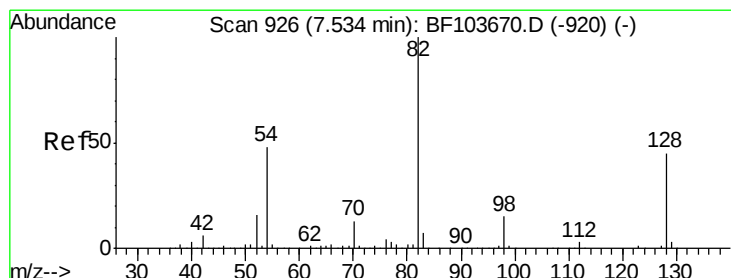
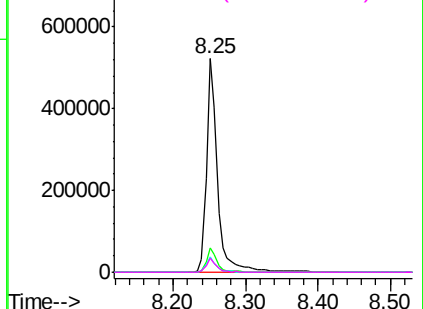
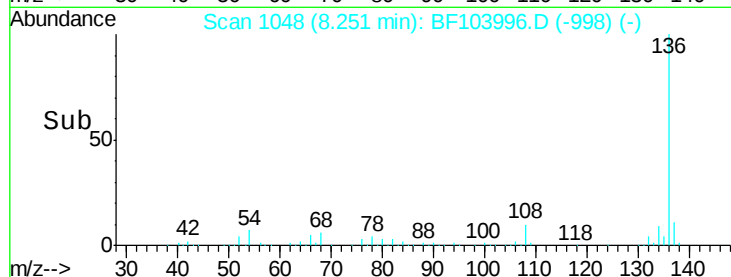


Abundance Ion 136.00 (135.70 to 136.70): E

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: 62.272 ng

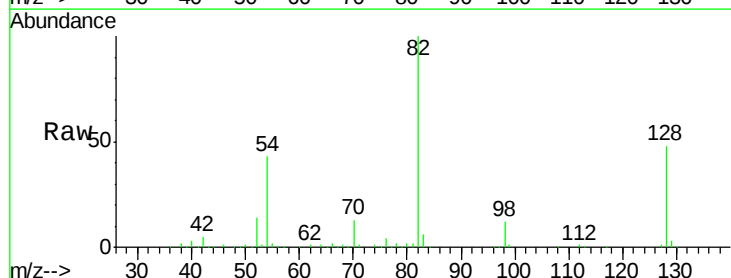
RT: 7.53 min Scan# 926

Delta R.T. -0.01 min

Lab File: BF103996.D

Acq: 28 Mar 2018 4:22

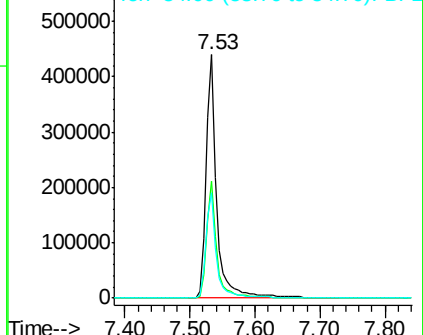
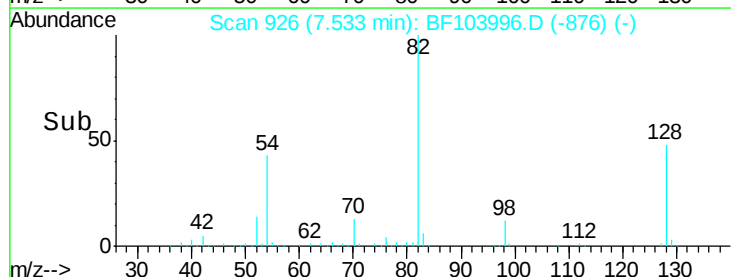
Tgt Ion	Ion	Ratio	Resp	Lower	Upper
82	100		498576		
128	48.1		36.1	54.1	
54	43.1		41.4	62.2	

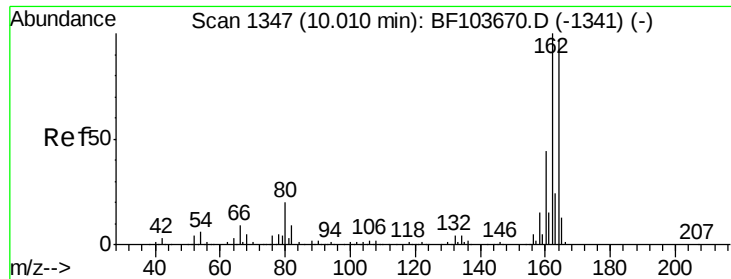


Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF1





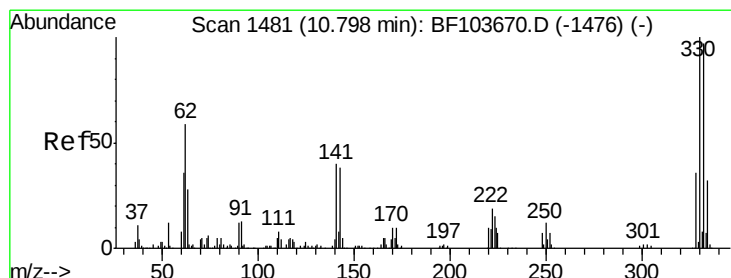
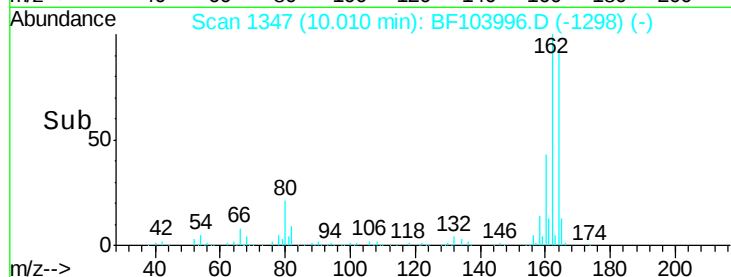
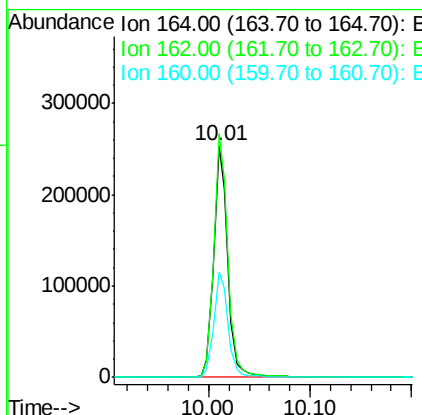
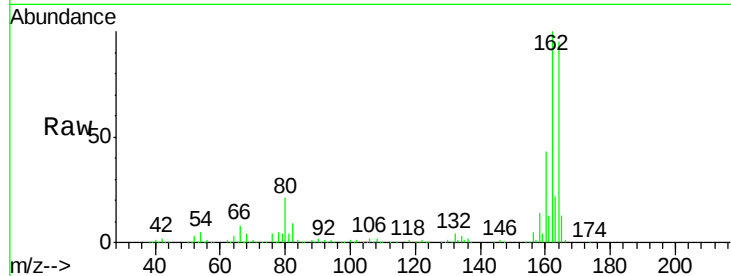
#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 10.01 min Scan# 1347
Delta R.T. -0.01 min
Lab File: BF103996.D
Acq: 28 Mar 2018 4:22

Instrument :
BNA_F
ClientSampleId :
MS-CONCRETE

Tot Ion	Ratio	Resp	Lower	Upper
164	100			
162	105.4	86.1	129.1	
160	45.5	38.3	57.5	

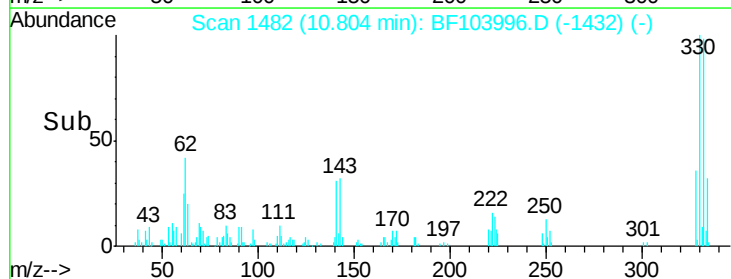
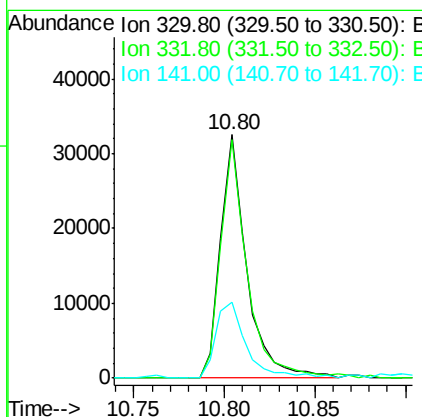
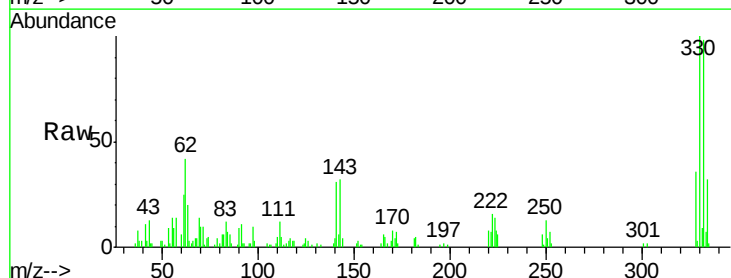
Manual Integrations
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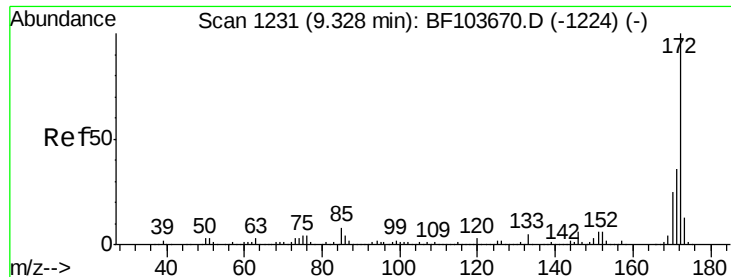
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#41
2,4,6-Tribromophenol
Concen: 15.656 ng
RT: 10.80 min Scan# 1482
Delta R.T. -0.01 min
Lab File: BF103996.D
Acq: 28 Mar 2018 4:22

Tgt Ion	Ratio	Resp	Lower	Upper
330	100			
332	98.8	77.0	115.6	
141	36.3	29.9	44.9	





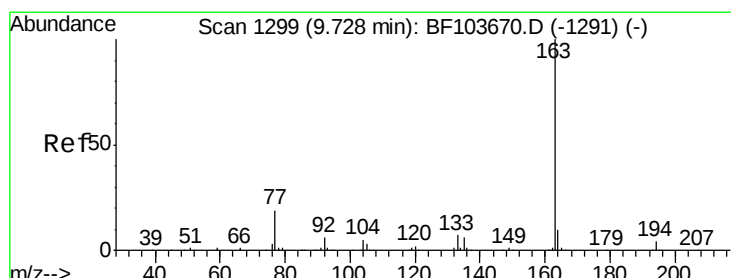
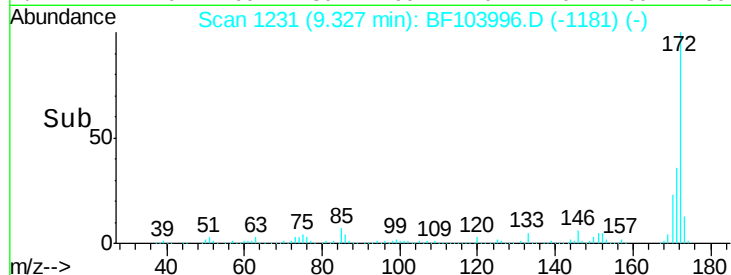
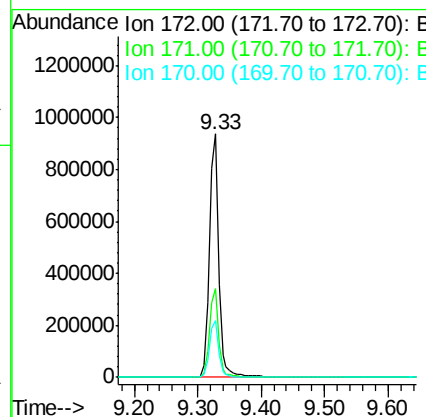
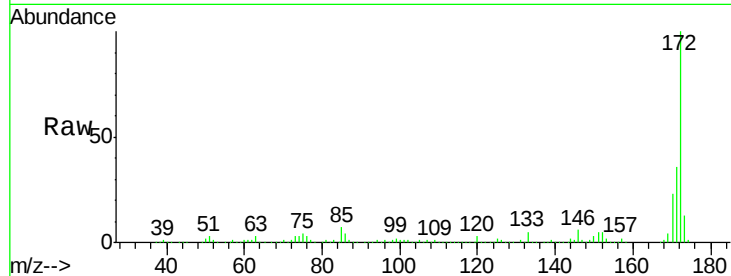
#44
2-Fluorobiphenyl
Concen: 61.693 ng
RT: 9.33 min Scan# 1231
Delta R.T. -0.01 min
Lab File: BF103996.D
Acq: 28 Mar 2018 4:22

Instrument :
BNA_F
ClientSampleId :
MS-CONCRETE

Tot Ion	Ratio	Lower	Upper
172	100		
171	36.4	29.7	44.5
170	23.5	19.6	29.4

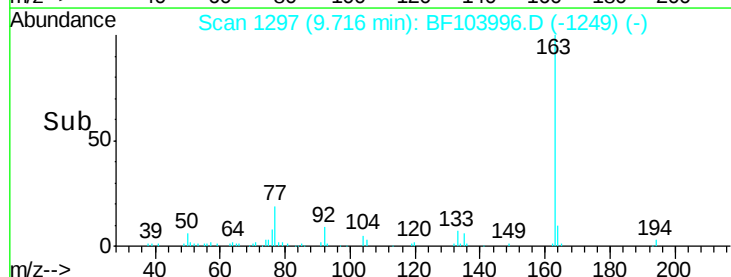
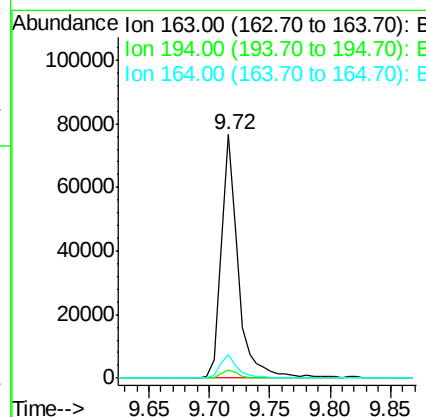
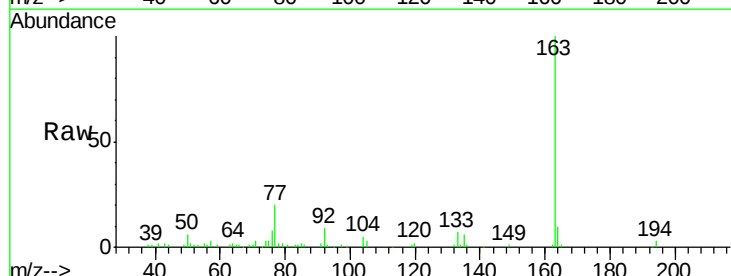
Manual Integrations
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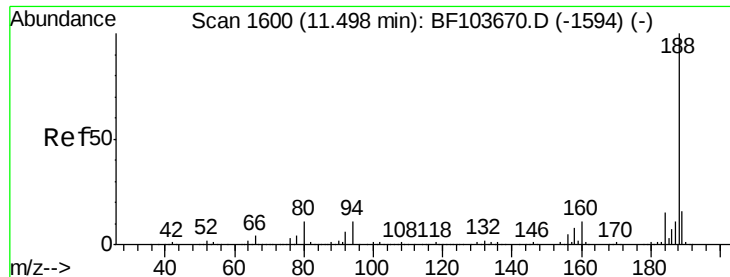
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#49
Dimethylphthalate
Concen: 3.888 ng
RT: 9.72 min Scan# 1297
Delta R.T. -0.02 min
Lab File: BF103996.D
Acq: 28 Mar 2018 4:22

Tgt Ion	Ratio	Lower	Upper
163	100		
194	3.1	2.7	4.1
164	9.7	8.2	12.2





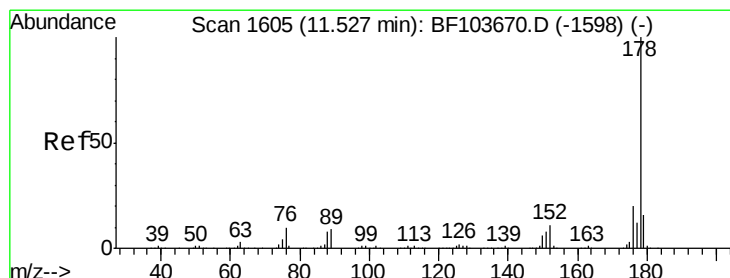
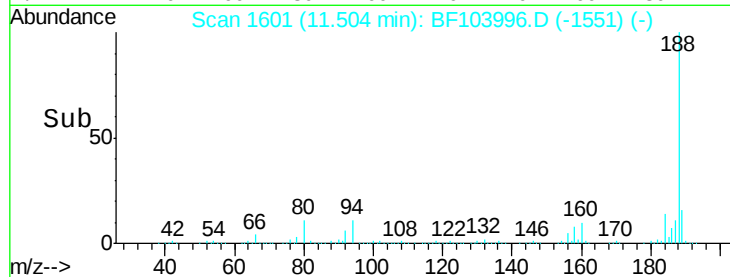
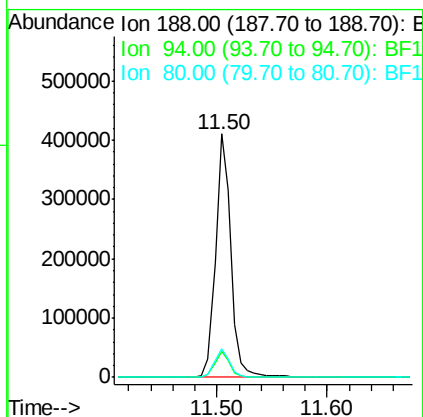
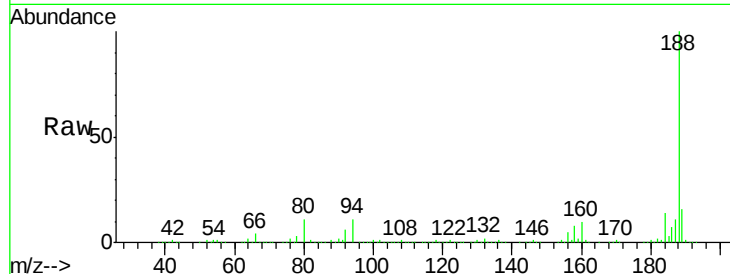
#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.50 min Scan# 1601
Delta R.T. -0.01 min
Lab File: BF103996.D
Acq: 28 Mar 2018 4:22

Instrument :
BNA_F
ClientSampleId :
MS-CONCRETE

Tot Ion	Ratio	Resp	Lower	Upper
188	100	390763		
94	10.6		8.5	12.7
80	11.5		9.2	13.8

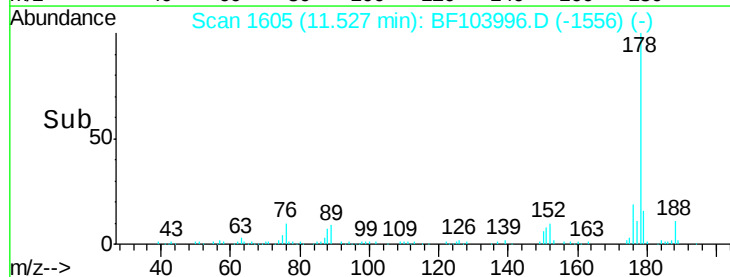
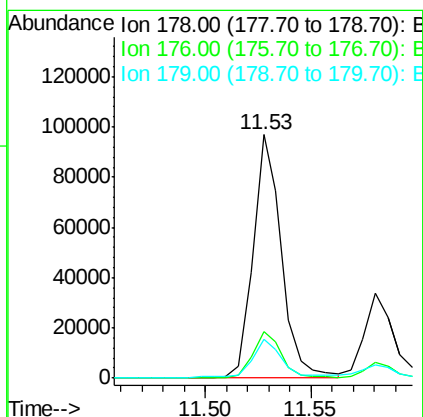
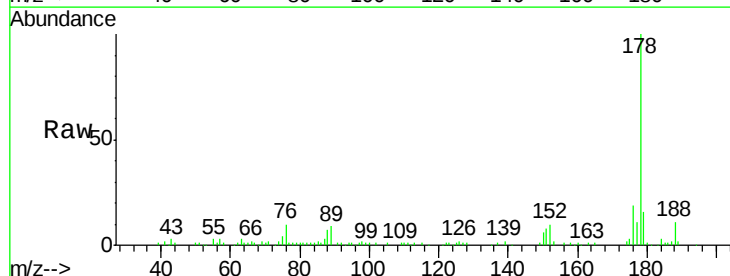
Manual Integrations
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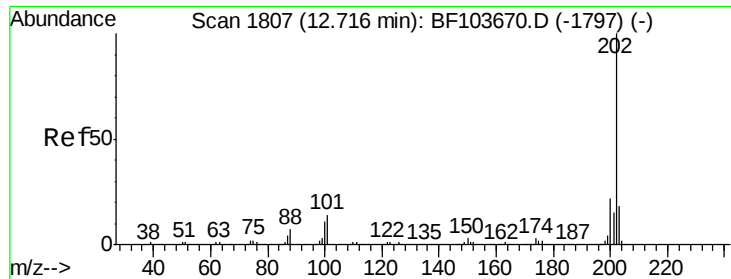
Sohil
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#70
Phenanthrene
Concen: 4.246 ng
RT: 11.53 min Scan# 1605
Delta R.T. -0.01 min
Lab File: BF103996.D
Acq: 28 Mar 2018 4:22

Tgt Ion	Ratio	Resp	Lower	Upper
178	100	90771		
176	19.2		15.8	23.8
179	15.8		13.0	19.6





#74

Fluoranthene

Concen: 8.732 ng

RT: 12.72 min Scan# 1808

Delta R.T. -0.01 min

Lab File: BF103996.D

Acq: 28 Mar 2018 4:22

Instrument :

BNA_F

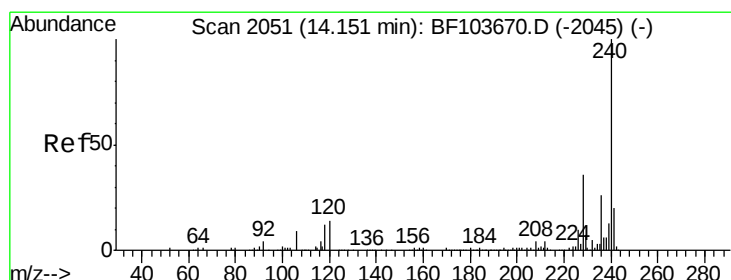
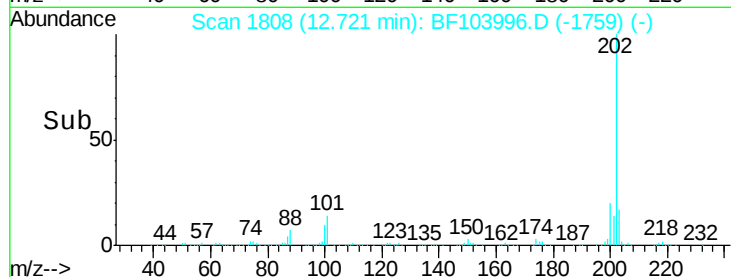
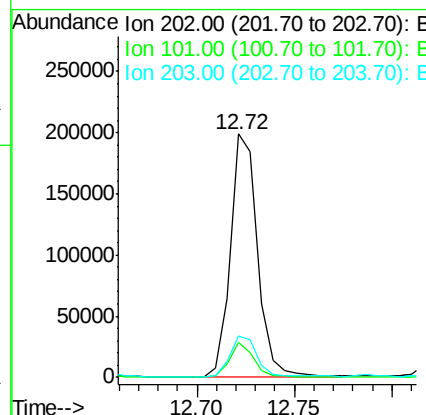
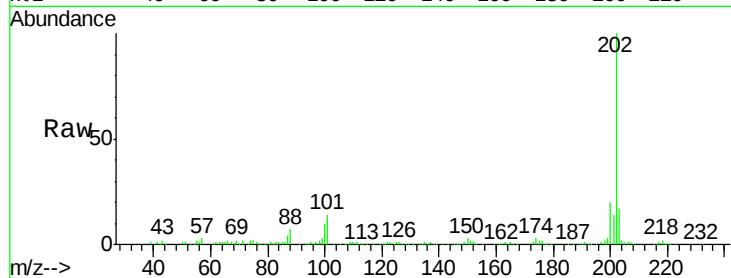
ClientSampleId :

MS-CONCRETE

Tot Ion	Ratio	Resp Lower	Upper
202	100		
101	14.1	0.0	34.1
203	17.1	0.0	38.1

Manual Integrations
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#75

Chrysene-d12

Concen: 20.000 ng

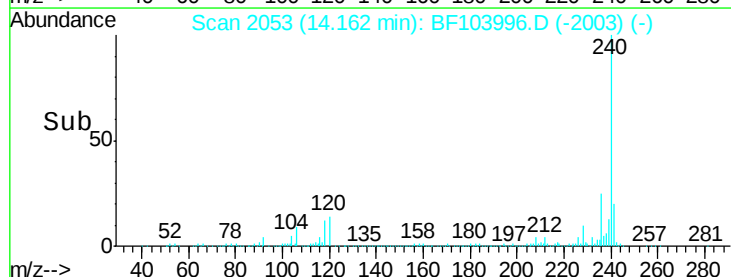
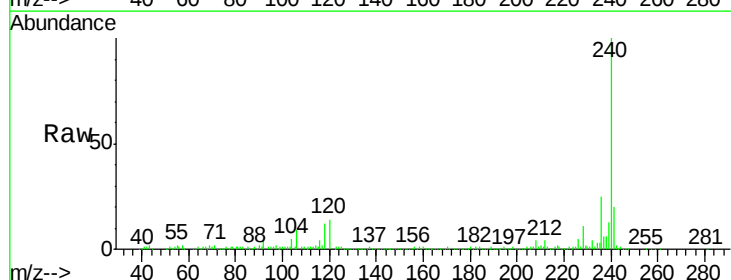
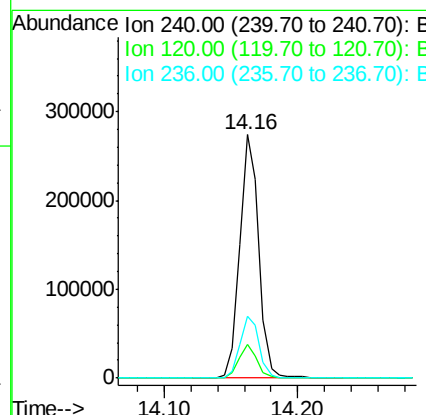
RT: 14.16 min Scan# 2053

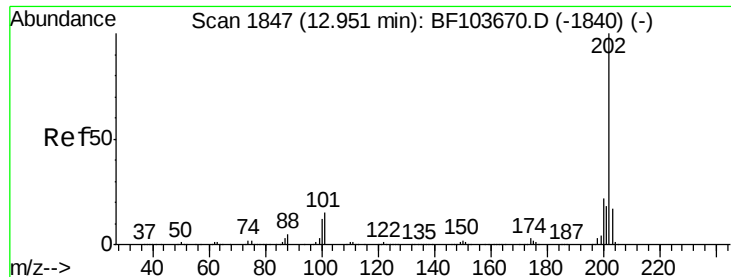
Delta R.T. -0.01 min

Lab File: BF103996.D

Acq: 28 Mar 2018 4:22

Tgt Ion	Ratio	Resp Lower	Upper
240	100		
120	13.7	9.5	14.3
236	25.3	20.7	31.1





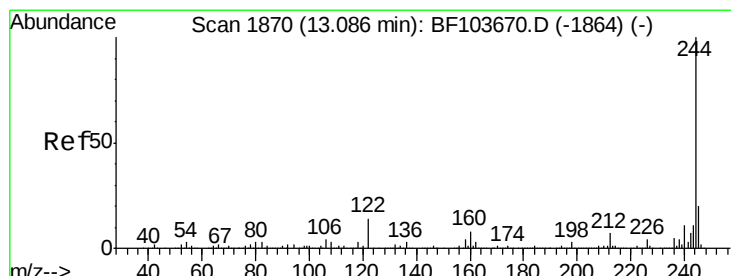
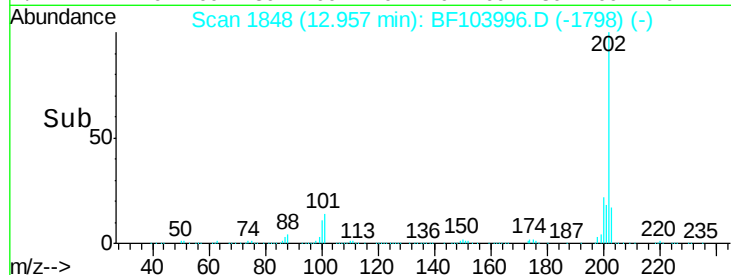
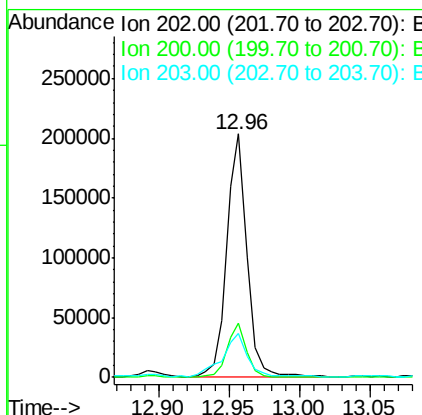
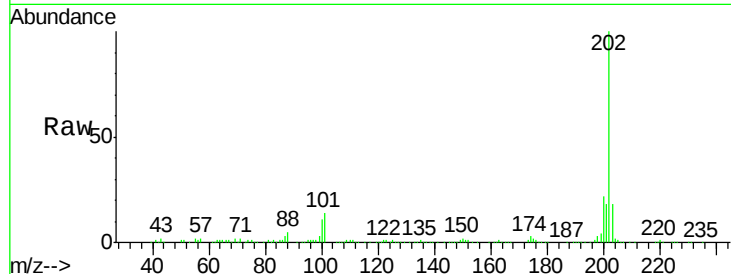
#77
Pvrene
Concen: 9.975 ng
RT: 12.96 min Scan# 1848
Delta R.T. -0.01 min
Lab File: BF103996.D
Acq: 28 Mar 2018 4:22

Instrument :
BNA_F
ClientSampleId :
MS-CONCRETE

Tot Ion	Ratio	Resp Lower	Resp Upper
202	100		
200	22.5	17.4	26.2
203	18.1	14.3	21.5

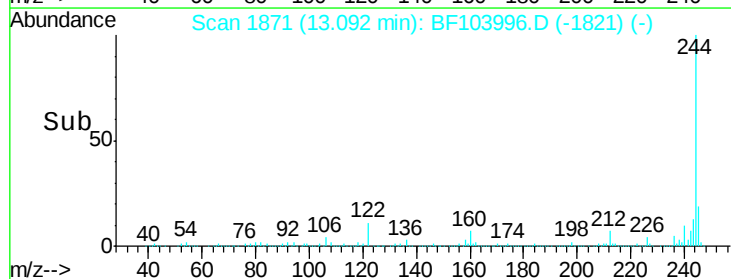
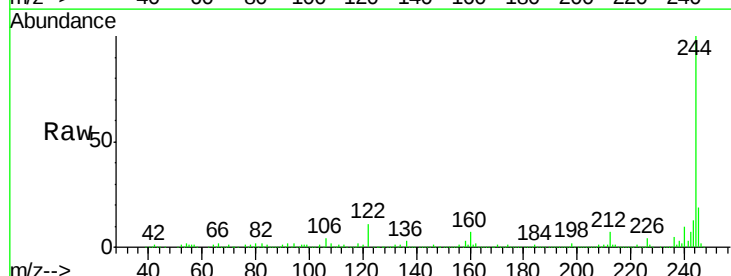
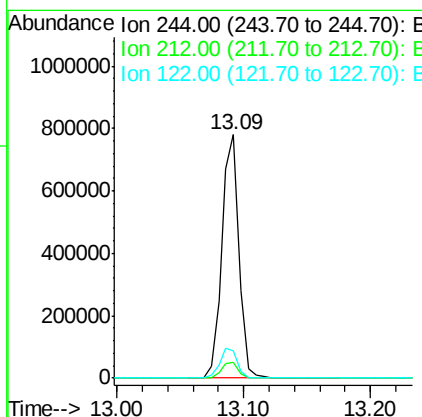
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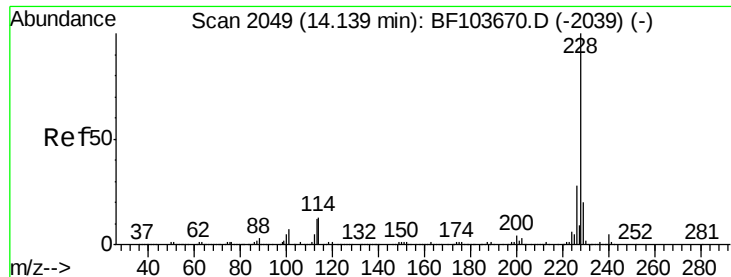
Sohil
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#78
Terphenyl-d14
Concen: 62.112 ng
RT: 13.09 min Scan# 1871
Delta R.T. -0.01 min
Lab File: BF103996.D
Acq: 28 Mar 2018 4:22

Tgt Ion	Ratio	Resp Lower	Resp Upper
244	100		
212	6.6	5.4	8.0
122	11.2	11.0	16.4





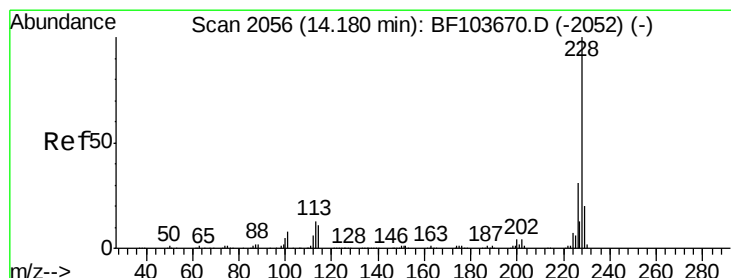
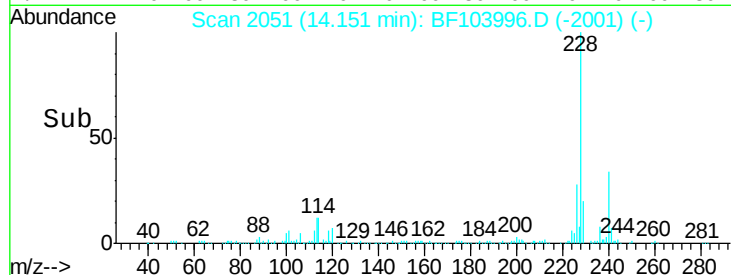
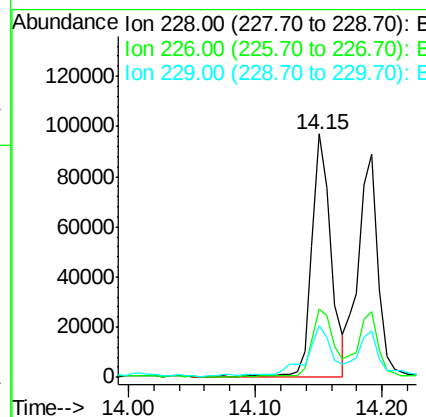
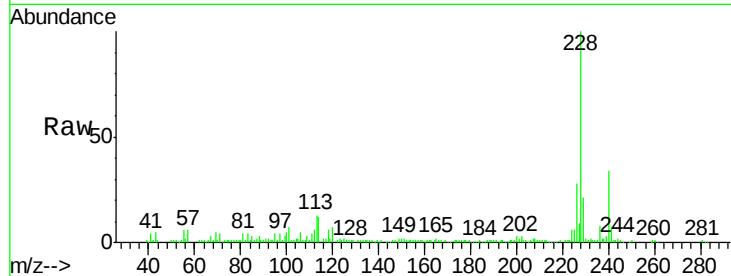
#80
Benzo(a)anthracene
Concen: 5.946 ng
RT: 14.15 min Scan# 2051
Delta R.T. -0.01 min
Lab File: BF103996.D
Acq: 28 Mar 2018 4:22

Instrument :
BNA_F
ClientSampleId :
MS-CONCRETE

Tot Ion	Ratio	Lower	Upper
228	100		
226	28.1	22.6	33.8
229	21.0	15.8	23.6

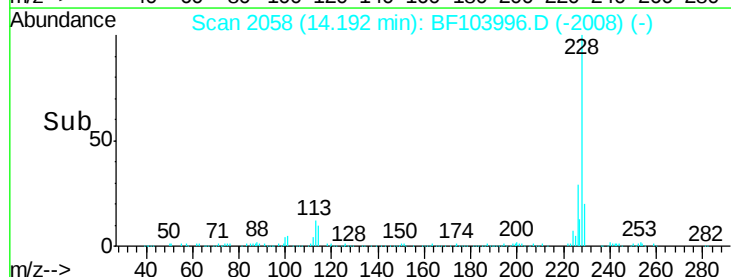
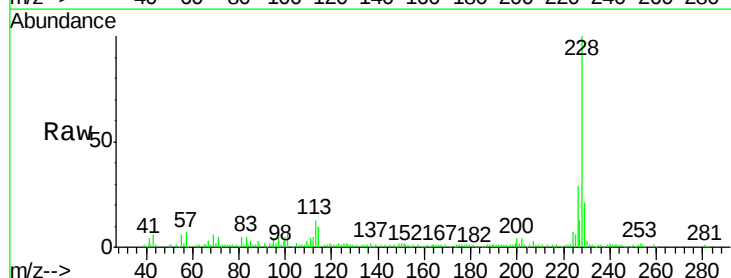
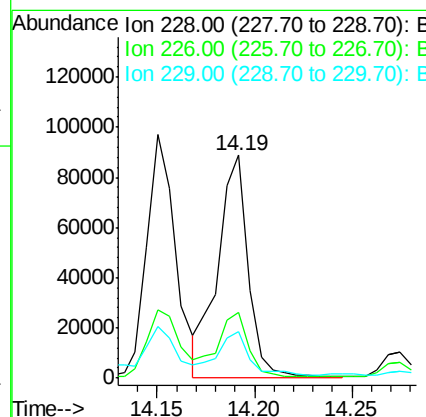
Manual Integrations
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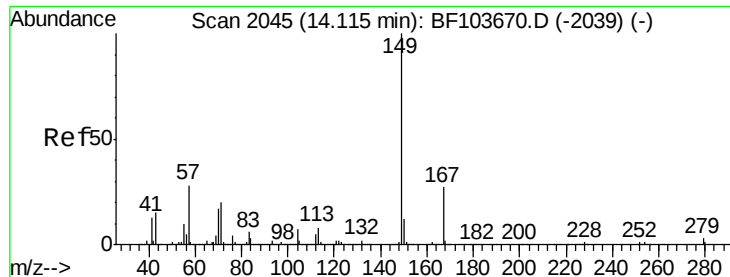
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#82
Chrysene
Concen: 5.842 ng
RT: 14.19 min Scan# 2058
Delta R.T. -0.01 min
Lab File: BF103996.D
Acq: 28 Mar 2018 4:22

Tgt Ion	Ratio	Lower	Upper
228	100		
226	29.3	25.0	37.6
229	20.9	16.2	24.4





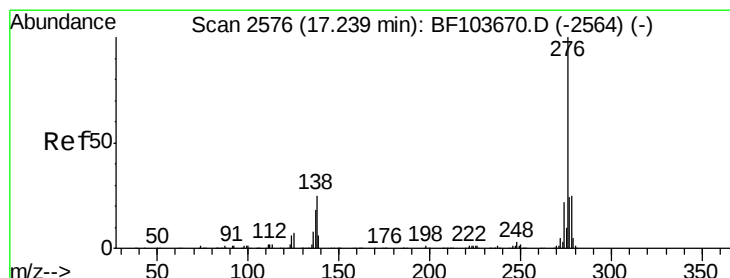
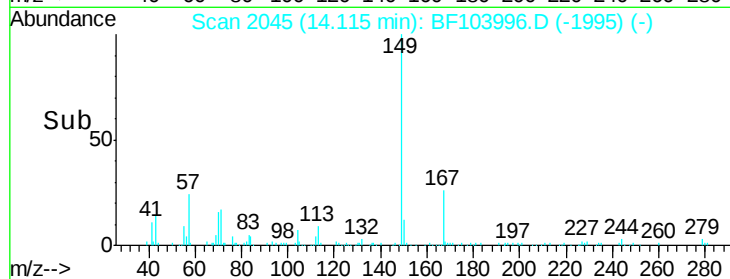
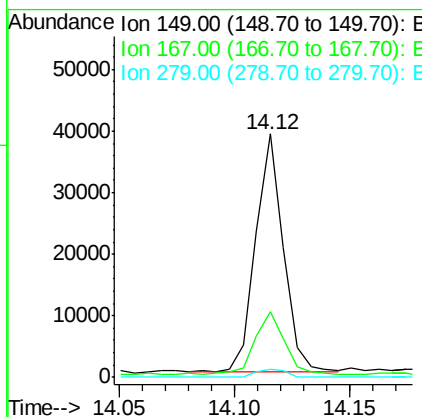
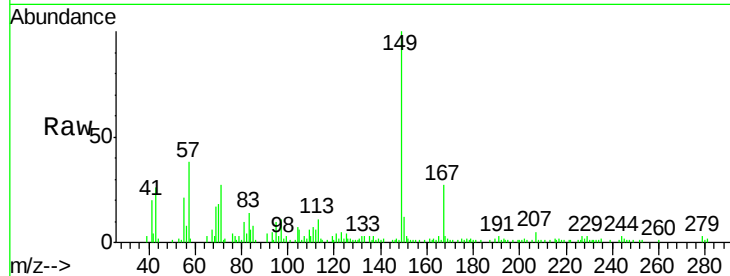
#83
 Bis(2-ethylhexyl)phthalate
 Concen: 2.563 ng
 RT: 14.12 min Scan# 2045
 Delta R.T. -0.01 min
 Lab File: BF103996.D
 Acq: 28 Mar 2018 4:22

Instrument :
 BNA_F
 ClientSampleId :
 MS-CONCRETE

Tot Ion:	149	Resp:	32564
Ion Ratio	Lower	Upper	
149	100		
167	26.8	21.3	31.9
279	3.1	3.0	4.4

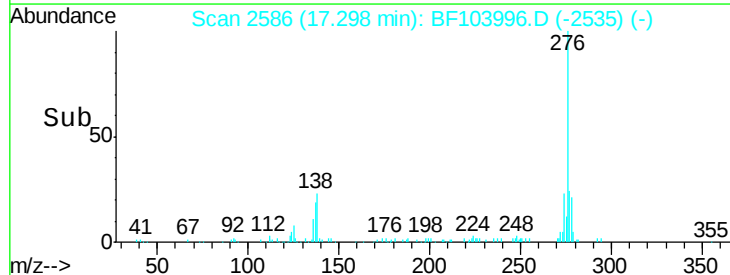
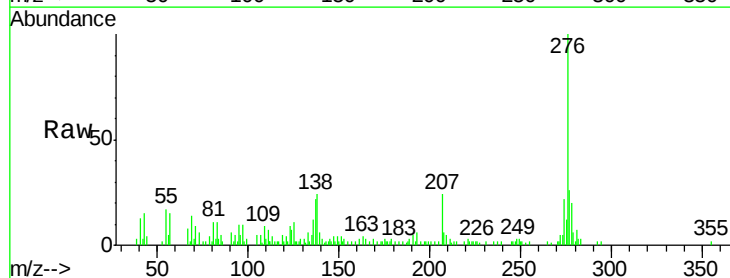
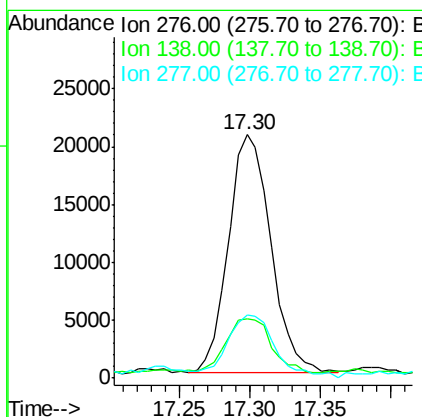
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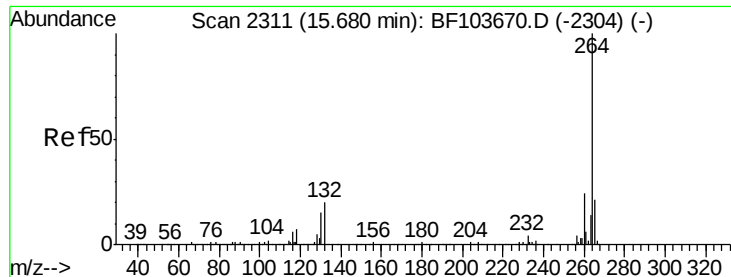
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#85
 Indeno(1,2,3-cd)pyrene
 Concen: 2.999 ng
 RT: 17.30 min Scan# 2586
 Delta R.T. -0.00 min
 Lab File: BF103996.D
 Acq: 28 Mar 2018 4:22

Tgt Ion:	276	Resp:	43200
Ion Ratio	Lower	Upper	
276	100		
138	24.5	25.0	37.6#
277	30.1	20.1	30.1





#86

Pervlene-d12

Concen: 20.000 ng

RT: 15.72 min Scan# 2317

Delta R.T. 0.01 min

Lab File: BF103996.D

Acq: 28 Mar 2018 4:22

Instrument :

BNA_F

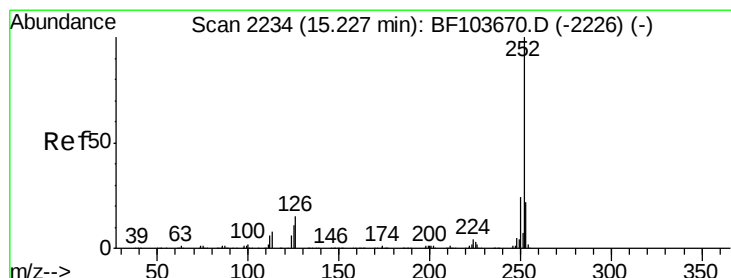
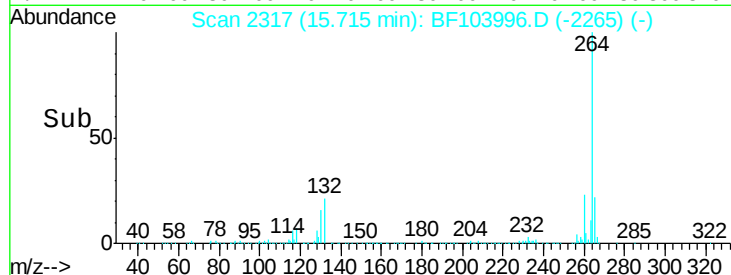
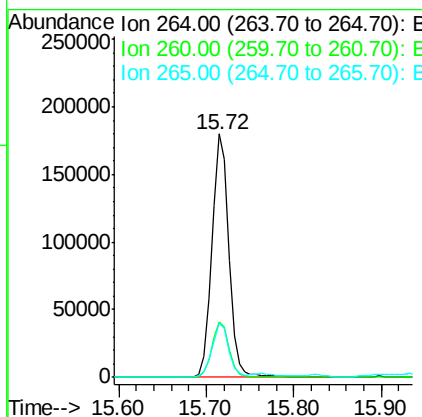
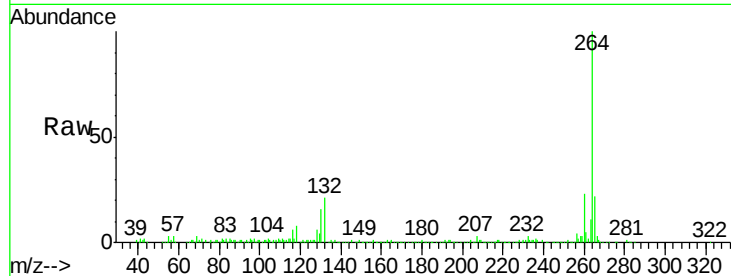
ClientSampleId :

MS-CONCRETE

Tot Ion:	264	Resp:	244049
Ion Ratio	Lower	Upper	
264	100		
260	22.7	19.2	28.8
265	22.2	17.5	26.3

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#87

Benzo(b)fluoranthene

Concen: 7.270 ng m

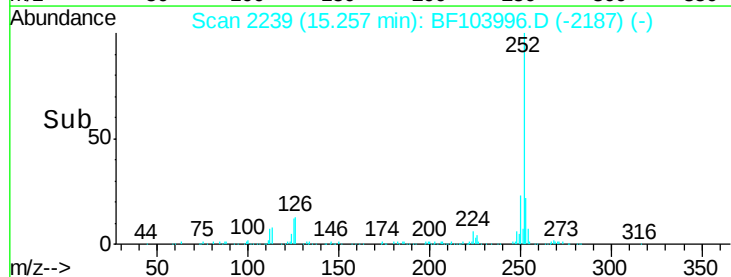
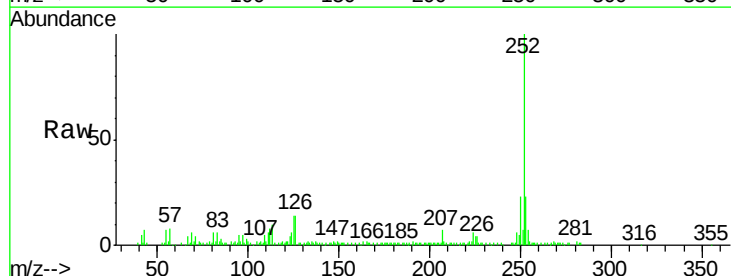
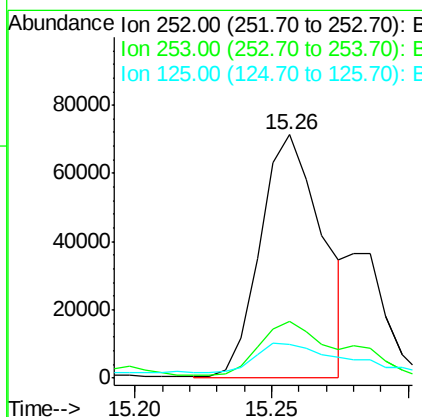
RT: 15.26 min Scan# 2239

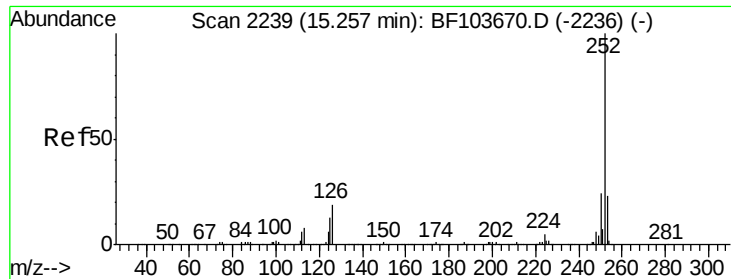
Delta R.T. 0.01 min

Lab File: BF103996.D

Acq: 28 Mar 2018 4:22

Tgt Ion:	252	Resp:	112098
Ion Ratio	Lower	Upper	
252	100		
253	23.1	17.0	25.6
125	13.8	9.0	13.6#





#88

Benzo(k)fluoranthene

Concen: 2.449 ng

RT: 15.29 min Scan# 2244

Delta R.T. 0.01 min

Lab File: BF103996.D

Acq: 28 Mar 2018 4:22

Instrument :

BNA_F

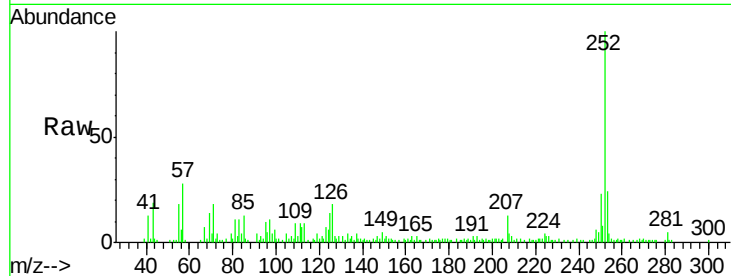
ClientSampleId :

MS-CONCRETE

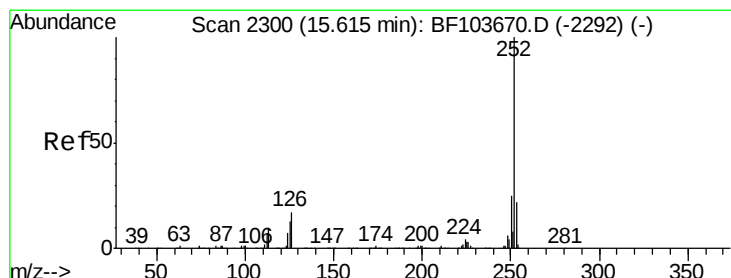
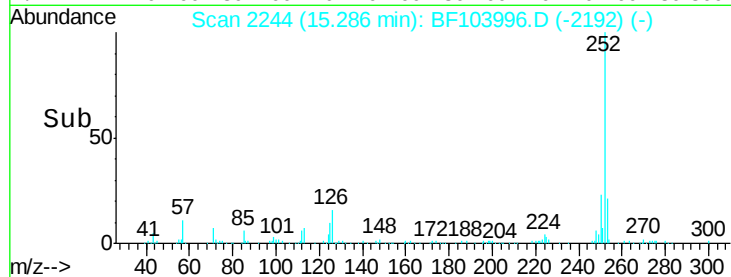
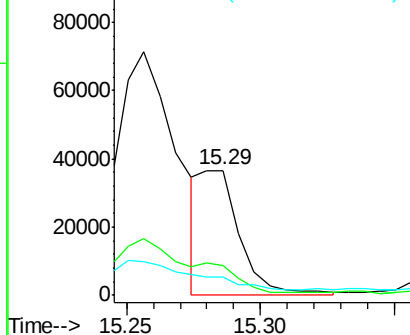
Tot Ion:	252	Resp:	36290
Ion Ratio	Lower	Upper	
252	100		
253	24.3	17.9	26.9
125	14.2	10.2	15.2

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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



#89

Benzo(a)pyrene

Concen: 5.899 ng

RT: 15.65 min Scan# 2306

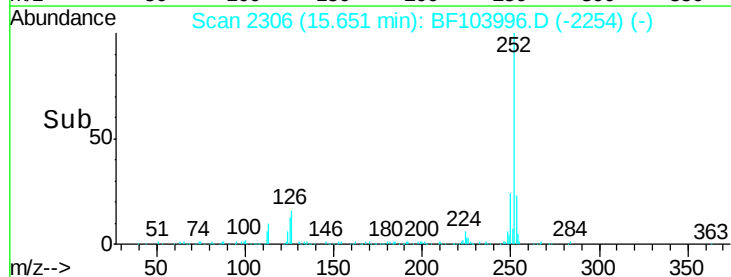
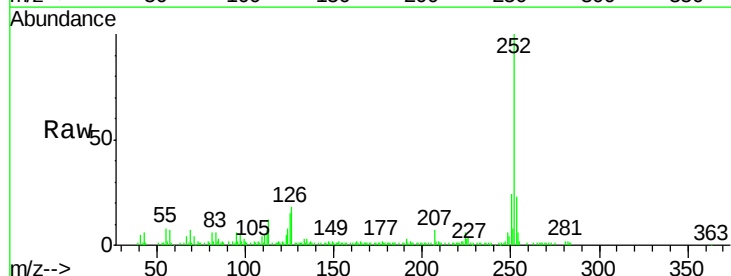
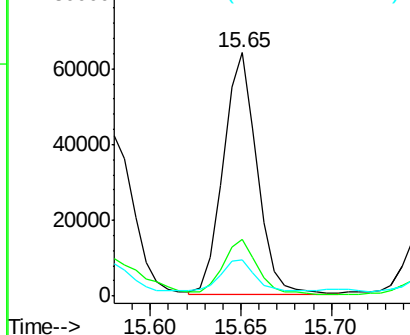
Delta R.T. 0.01 min

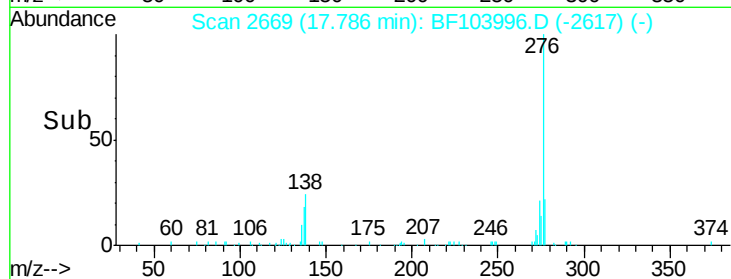
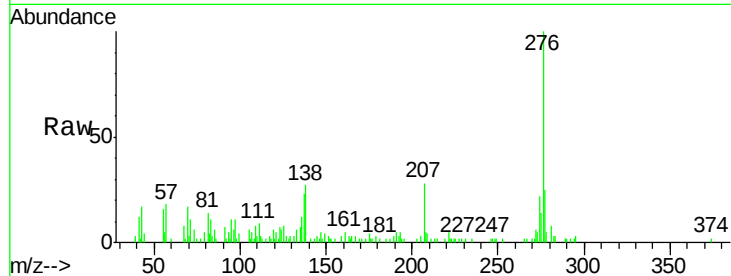
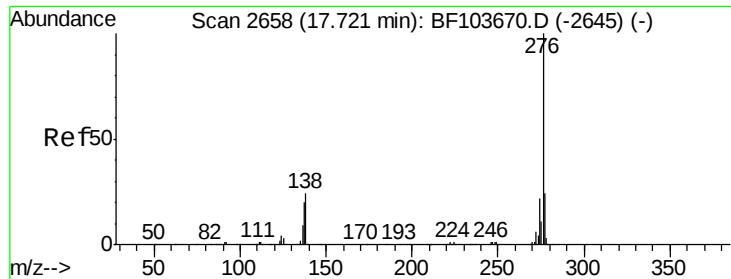
Lab File: BF103996.D

Acq: 28 Mar 2018 4:22

Tgt Ion:	252	Resp:	82489
Ion Ratio	Lower	Upper	
252	100		
253	23.4	17.1	25.7
125	15.0	9.8	14.6#

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





#91
 Benzo(a,h,i)perylene
 Concen: 3.869 ng
 RT: 17.79 min Scan# 2669
 Delta R.T. 0.01 min
 Lab File: BF103996.D
 Acq: 28 Mar 2018 4:22

Instrument :
 BNA_F
 ClientSampleId :
 MS-CONCRETE

Tot Ion	Ratio	Lower	Upper
276	100		
277	24.8	17.9	26.9
138	26.6	21.8	32.8

Manual Integrations
 APPROVED

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 3/28/2018 4:54:54 PM

