

Data Path : Z:\HPCHEM1\BNA F\DATA\BF022718\
 Data File : BF103284.D
 Acq On : 28 Feb 2018 1:35
 Operator : SJ/JU
 Sample : J1704-01 5X
 Misc :
 ALS Vial : 28 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 RO-347-CONCRETE

Manual Integrations
 APPROVED

Sohil
 2/28/2018 11:18:10 AM

Quant Time: Feb 28 04:12:26 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	146969	20.00	ng	0.00
21) Naphthalene-d8	8.16	136	592708	20.00	ng	0.00
38) Acenaphthene-d10	9.91	164	232583	20.00	ng	0.00
63) Phenanthrene-d10	11.40	188	327994	20.00	ng	0.00
75) Chrysene-d12	14.06	240	243694	20.00	ng	0.00
86) Perylene-d12	15.56	264	187424	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.49	112	245206	25.23	ng	0.00
7) Phenol-d6	6.50	99	339501	28.55	ng	0.00
23) Nitrobenzene-d5	7.43	82	212080	20.43	ng	-0.01
41) 2,4,6-Tribromophenol	10.71	330	27249	13.84	ng	0.00
44) 2-Fluorobiphenyl	9.23	172	342104	19.86	ng	0.00
78) Terphenyl-d14	12.99	244	209687	20.68	ng	0.00
Target Compounds						
70) Phenanthrene	11.43	178	207683	11.506	ng	98
71) Anthracene	11.48	178	41991	2.269	ng	98
74) Fluoranthene	12.62	202	258663	14.260	ng	98
77) Pyrene	12.85	202	225233	11.854	ng	100
80) Benzo(a)anthracene	14.05	228	105648m	6.682	ng	
82) Chrysene	14.08	228	119299m	7.770	ng	
85) Indeno(1,2,3-cd)pyrene	17.08	276	36067	2.967	ng	99
87) Benzo(b)fluoranthene	15.12	252	103265m	8.380	ng	
88) Benzo(k)fluoranthene	15.14	252	40792m	3.515	ng	
89) Benzo(a)pyrene	15.50	252	66089	6.006	ng	# 95
91) Benzo(g,h,i)perylene	17.54	276	34072	4.100	ng	# 91

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

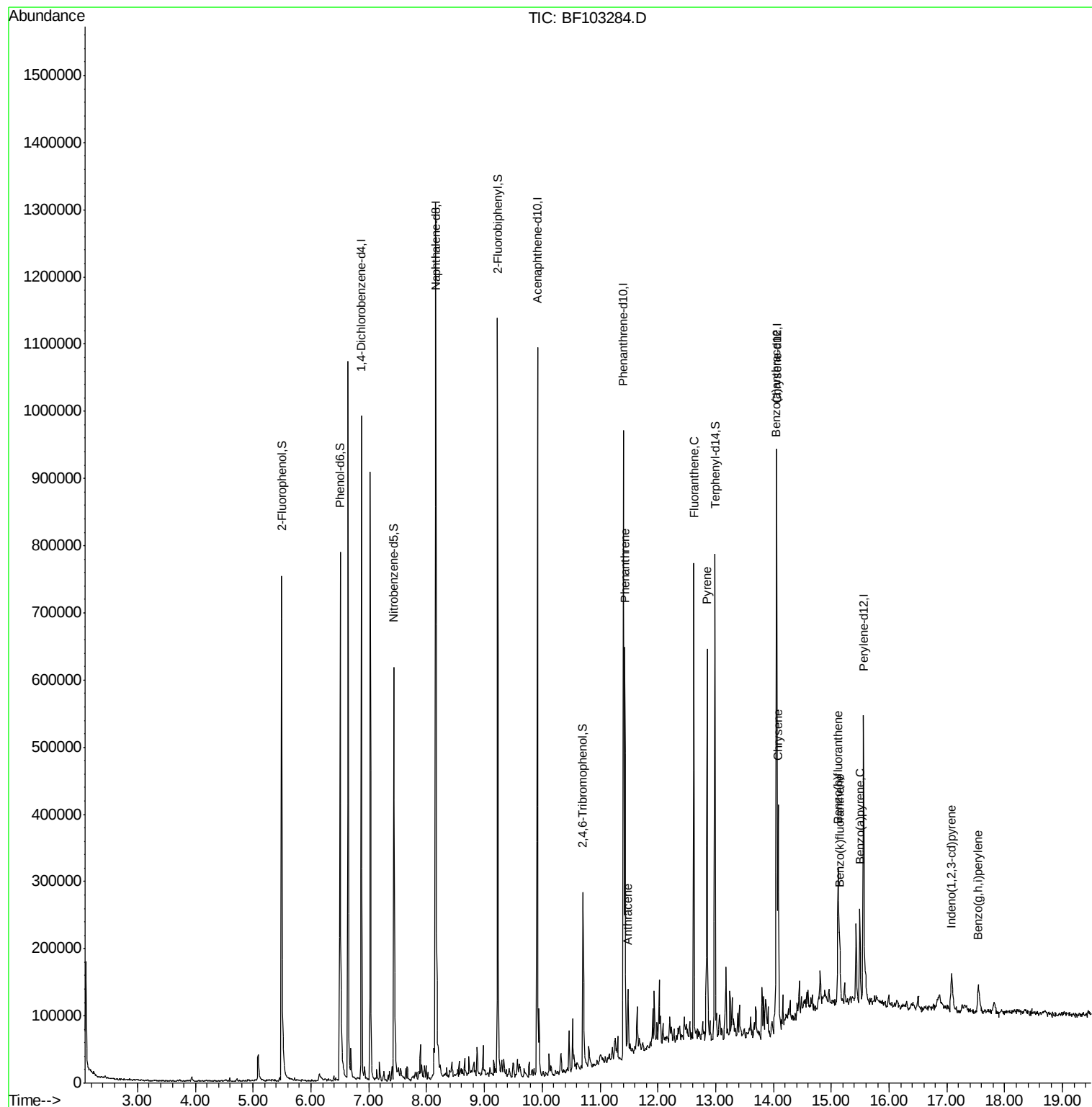
Data Path : Z:\HPCHEM1\BNA F\DATA\BF022718\
Data File : BF103284.D
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Operator : SJ/JU
Sample : J1704-01 5X
Misc :
ALS Vial : 28 Sample Multiplier: 1

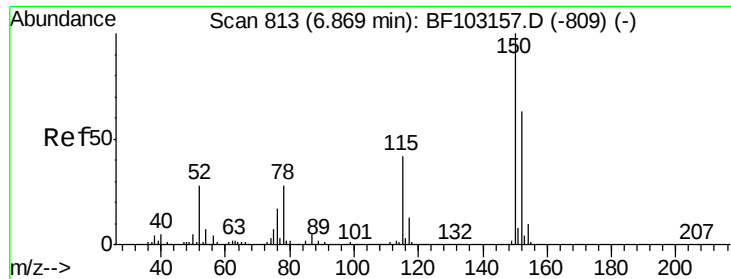
Instrument :
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#1

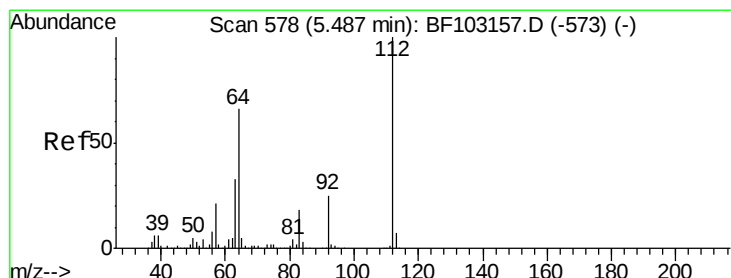
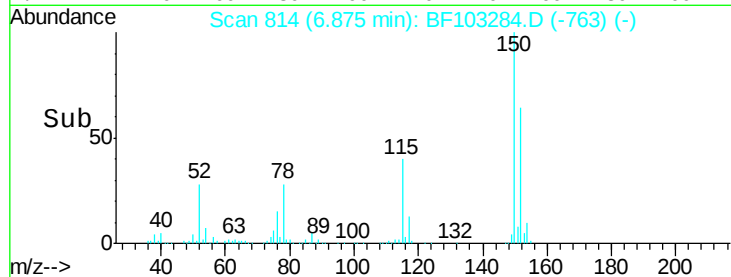
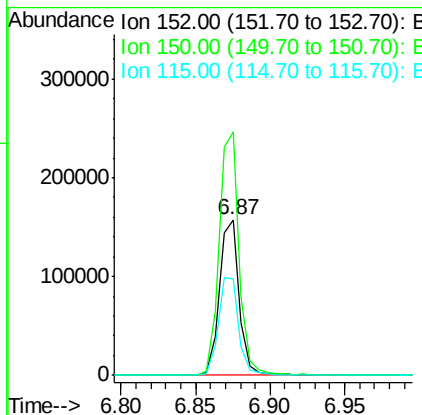
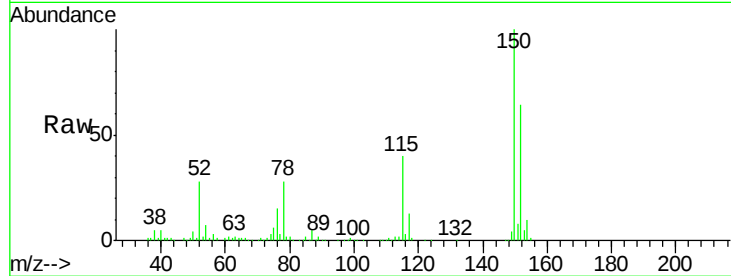
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.87 min Scan# 814
Delta R.T. 0.00 min
Lab File: BF103284.D
Acq: 28 Feb 2018 1:35

Instrument :
BNA_F
ClientSampleId :
RO-347-CONCRETE

Tot Ion	Ratio	Lower	Upper
152	100		
150	156.8	124.6	186.8
115	62.3	50.1	75.1

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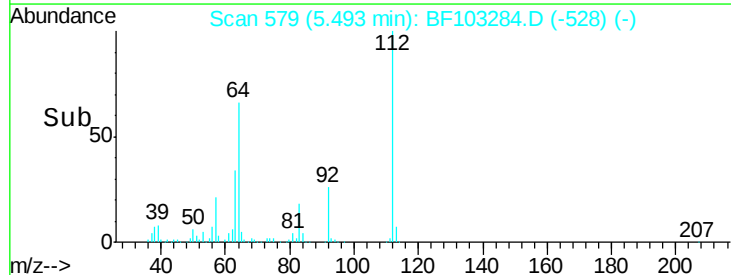
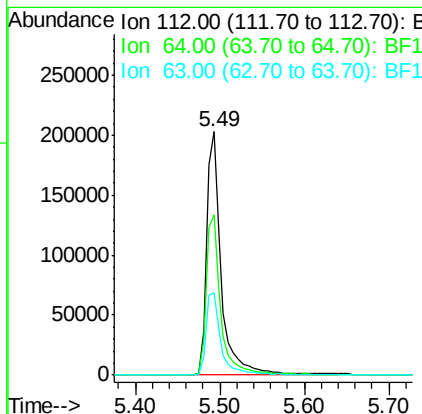
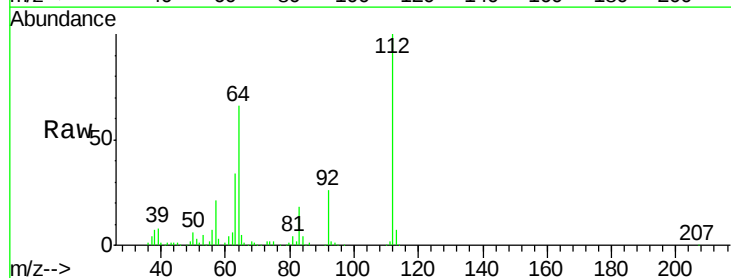
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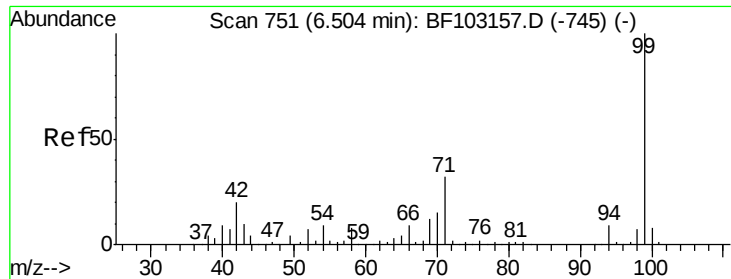


#5

2-Fluorophenol
Concen: 25.234 ng
RT: 5.49 min Scan# 579
Delta R.T. 0.00 min
Lab File: BF103284.D
Acq: 28 Feb 2018 1:35

Tgt Ion	Ratio	Lower	Upper
112	100		
64	65.7	47.9	71.9
63	33.7	23.7	35.5





#7

Phenol-d6

Concen: 28.552 ng

RT: 6.50 min Scan# 751

Delta R.T. -0.01 min

Lab File: BF103284.D

Acq: 28 Feb 2018 1:35

Instrument :

BNA_F

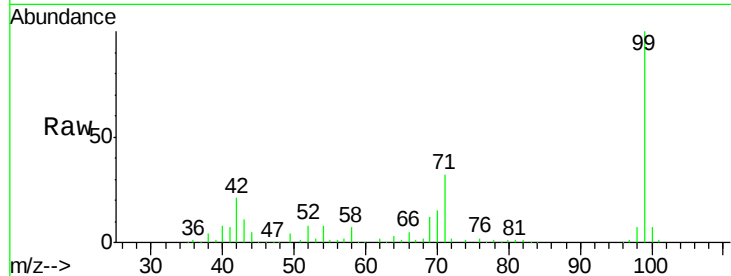
ClientSampleId :

RO-347-CONCRETE

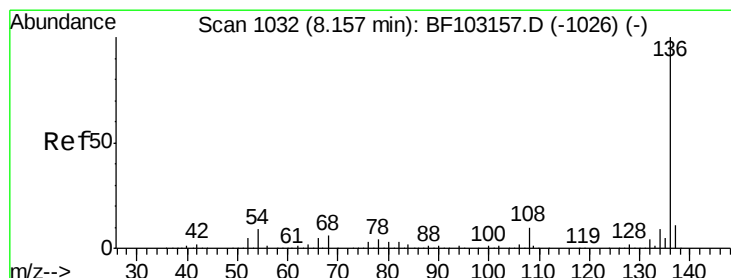
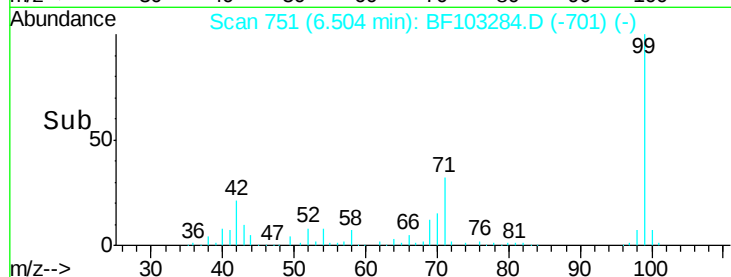
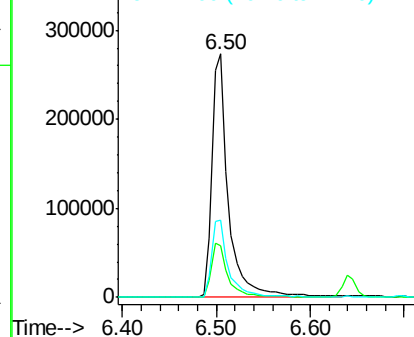
Tot Ion:	99	Resp:	339501
Ion Ratio	Lower	Upper	
99	100		
42	20.9	14.5	21.7
71	31.6	25.4	38.0

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Abundance Ion 99.00 (98.70 to 99.70): BF1
Ion 42.00 (41.70 to 42.70): BF1
Ion 71.00 (70.70 to 71.70): BF1



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.16 min Scan# 1032

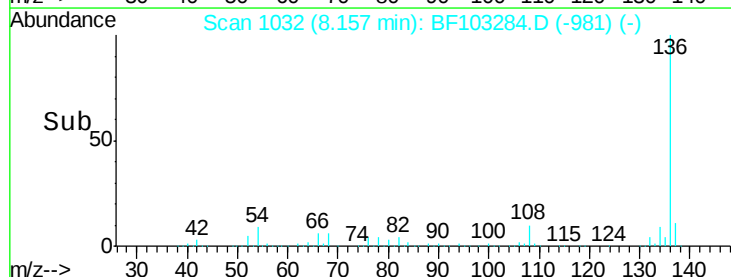
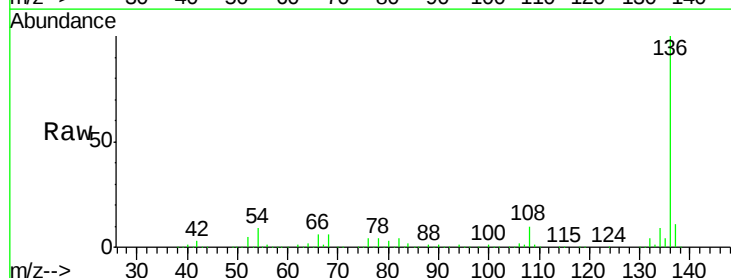
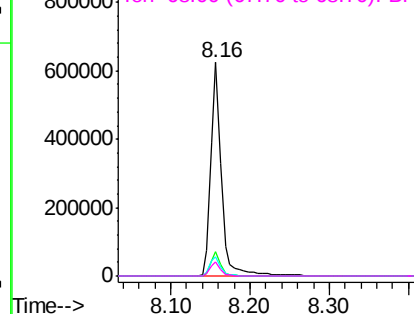
Delta R.T. 0.00 min

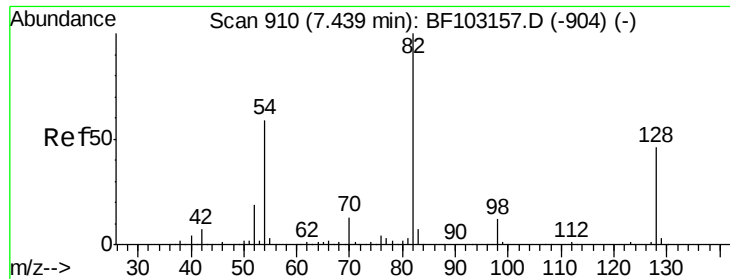
Lab File: BF103284.D

Acq: 28 Feb 2018 1:35

Tgt Ion:	136	Resp:	592708
Ion Ratio	Lower	Upper	
136	100		
137	11.1	8.9	13.3
54	9.2	6.6	9.8
68	6.3	5.0	7.4

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





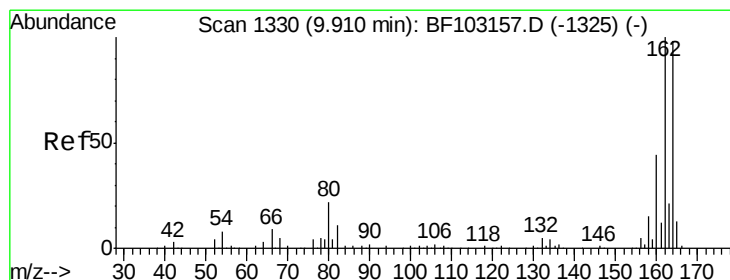
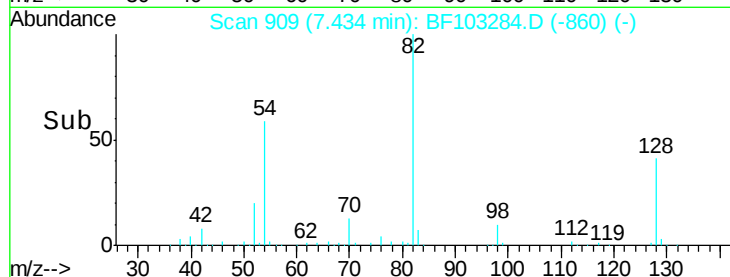
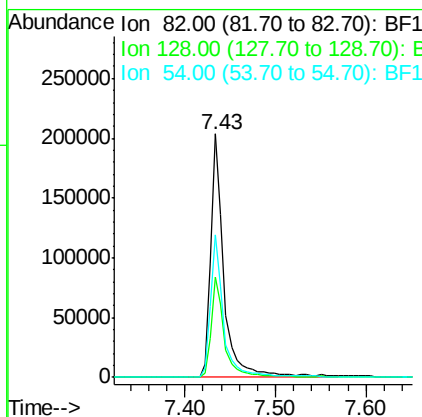
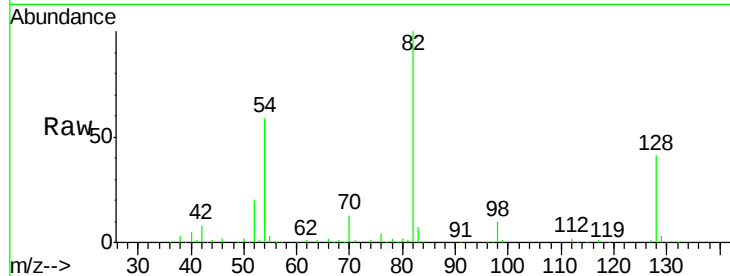
#23
Nitrobenzene-d5
Concen: 20.434 ng
RT: 7.43 min Scan# 909
Delta R.T. -0.01 min
Lab File: BF103284.D
Acq: 28 Feb 2018 1:35

Instrument :
BNA_F
ClientSampleId :
RO-347-CONCRETE

Tot Ion	82	Resp	212080
Ion Ratio	100	Lower	Upper
82	100		
128	41.1	36.1	54.1
54	58.8	41.4	62.2

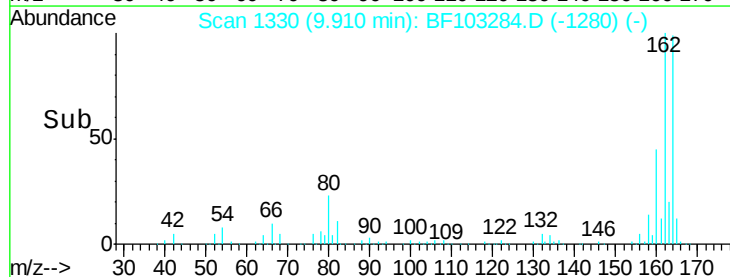
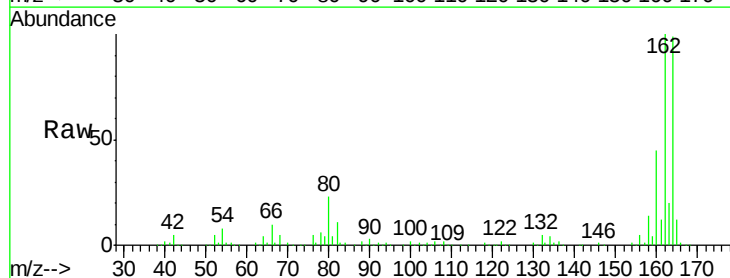
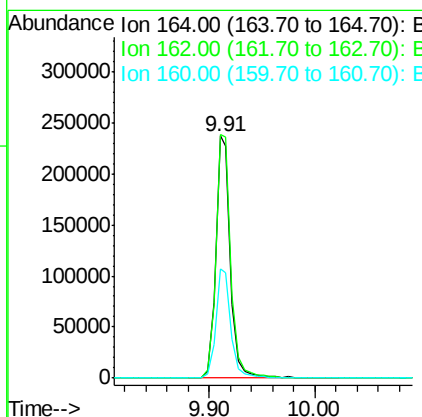
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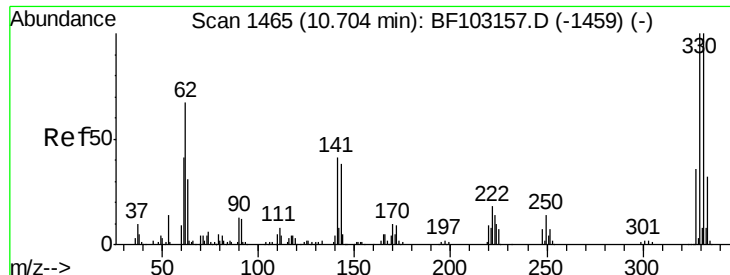
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#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.91 min Scan# 1330
Delta R.T. -0.01 min
Lab File: BF103284.D
Acq: 28 Feb 2018 1:35

Tgt Ion	164	Resp	232583
Ion Ratio	100	Lower	Upper
164	100		
162	100.5	86.1	129.1
160	45.2	38.3	57.5





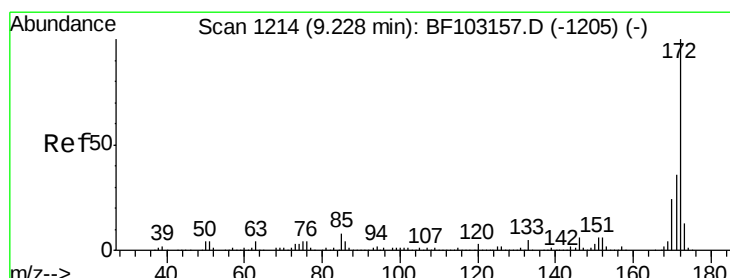
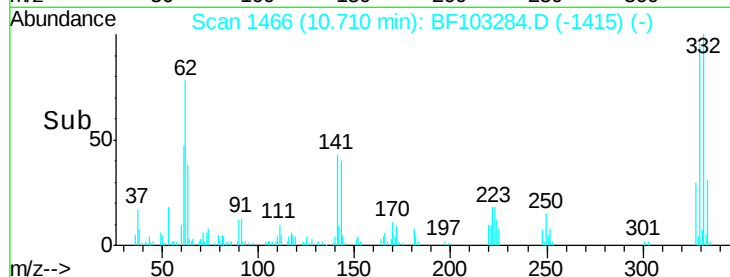
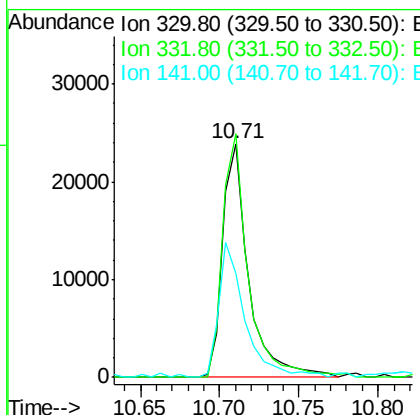
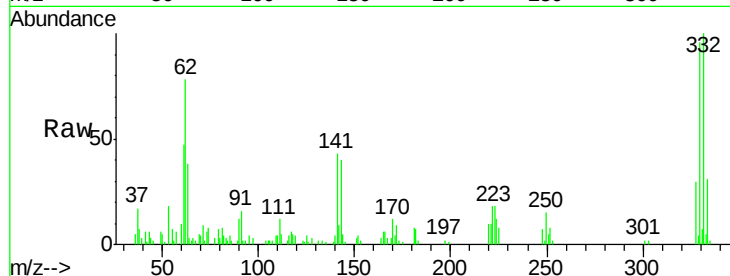
#41
 2,4,6-Tribromophenol
 Concen: 13.841 ng
 RT: 10.71 min Scan# 1466
 Delta R.T. 0.00 min
 Lab File: BF103284.D
 Acq: 28 Feb 2018 1:35

Instrument :
 BNA_F
 ClientSampleId :
 RO-347-CONCRETE

Tot Ion	Ratio	Resp	Lower	Upper
330	100			
332	102.6	77.0	115.6	
141	58.1	29.9	44.9	

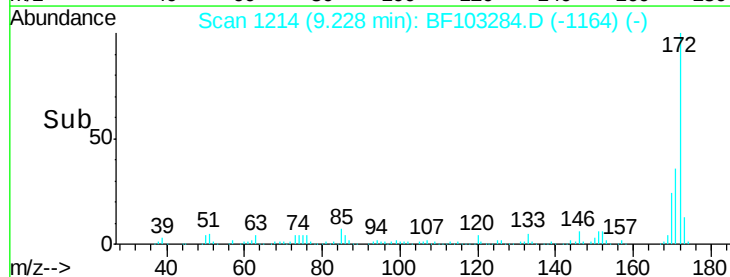
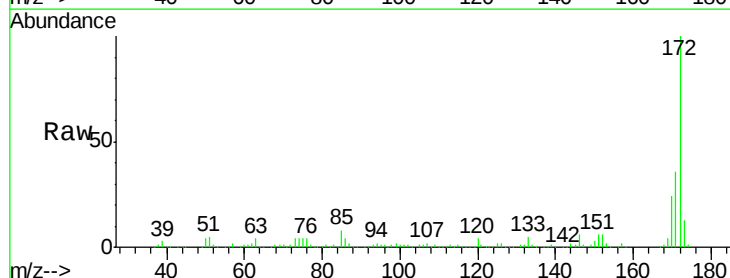
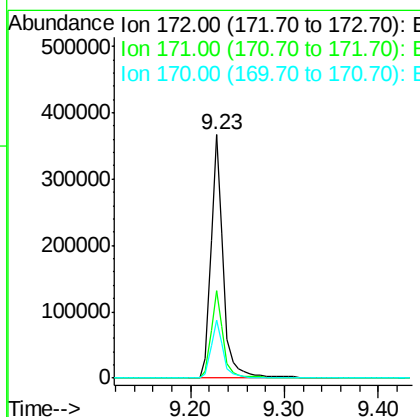
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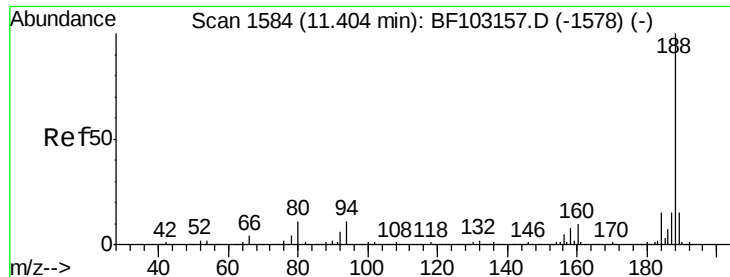
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#44
 2-Fluorobiphenyl
 Concen: 19.857 ng
 RT: 9.23 min Scan# 1214
 Delta R.T. -0.01 min
 Lab File: BF103284.D
 Acq: 28 Feb 2018 1:35

Tgt Ion	Ratio	Resp	Lower	Upper
172	100			
171	36.1	29.7	44.5	
170	24.0	19.6	29.4	





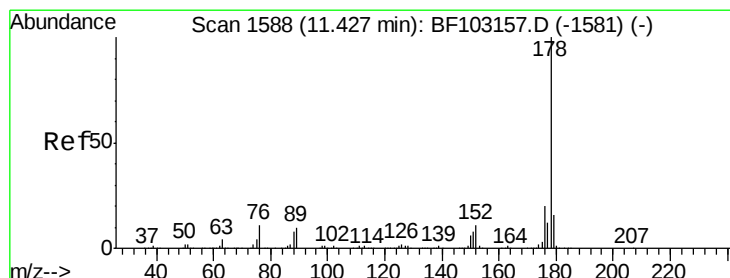
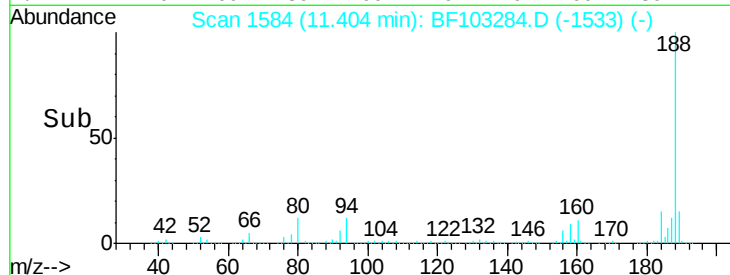
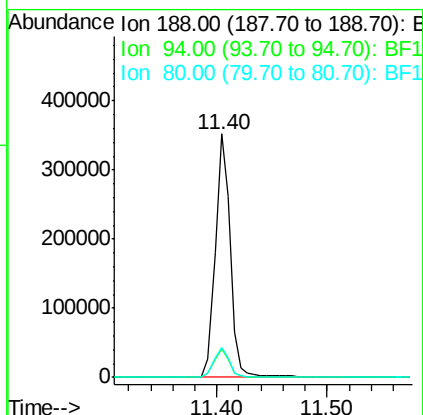
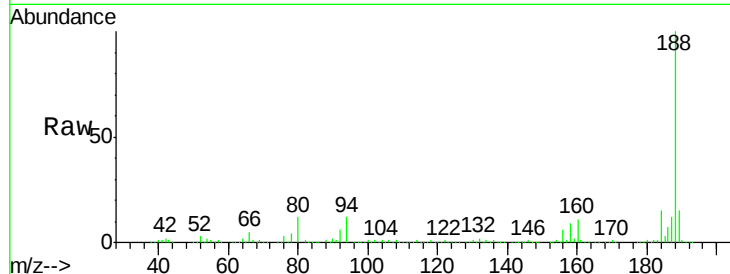
#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.40 min Scan# 1584
Delta R.T. 0.00 min
Lab File: BF103284.D
Acq: 28 Feb 2018 1:35

Instrument :
BNA_F
ClientSampleId :
RO-347-CONCRETE

Tot Ion	Ratio	Resp	Lower	Upper
188	100	327994		
94	11.7		8.5	12.7
80	12.4		9.2	13.8

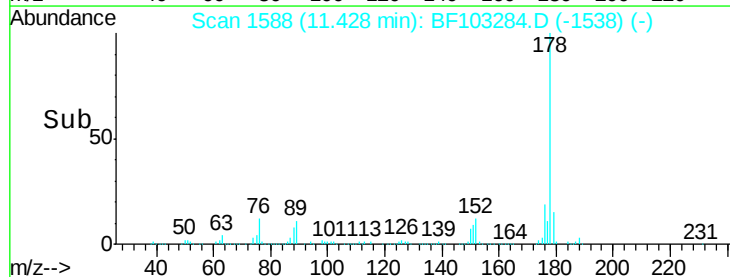
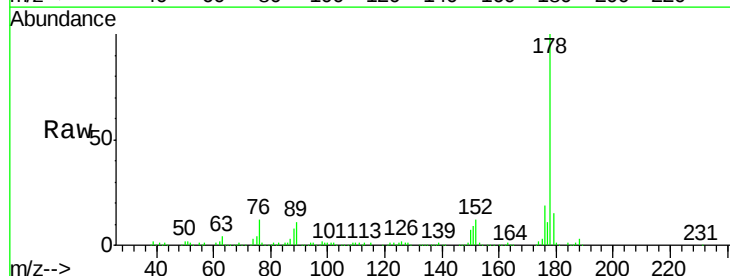
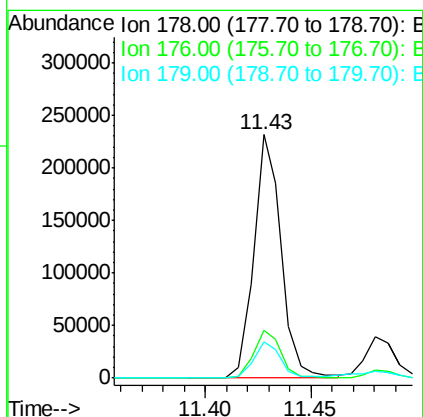
Manual Integrations
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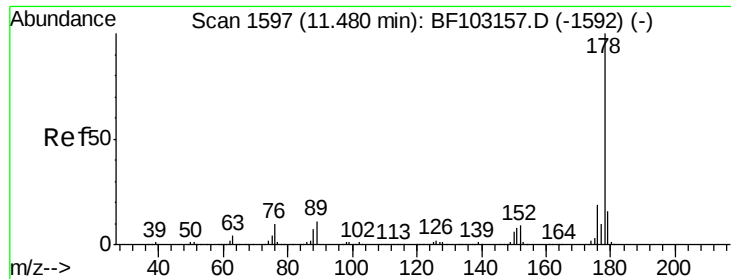
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#70
Phenanthrene
Concen: 11.506 ng
RT: 11.43 min Scan# 1588
Delta R.T. -0.01 min
Lab File: BF103284.D
Acq: 28 Feb 2018 1:35

Tgt Ion	Ratio	Resp	Lower	Upper
178	100	207683		
176	19.5		15.8	23.8
179	14.8		13.0	19.6





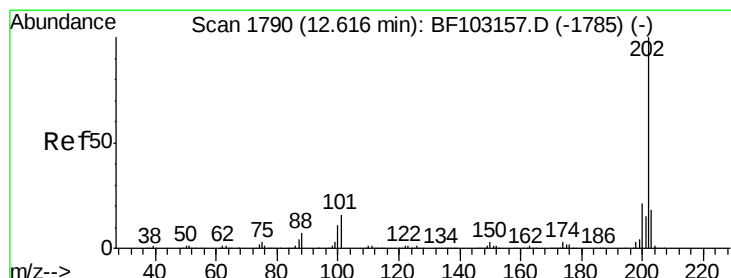
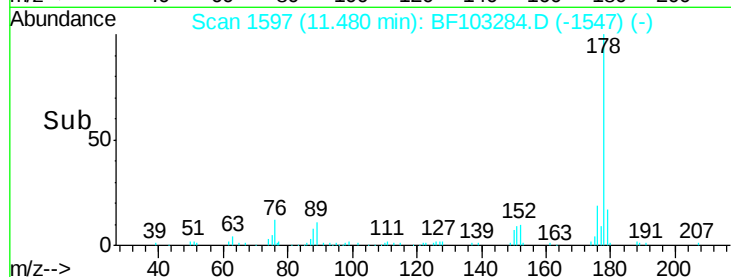
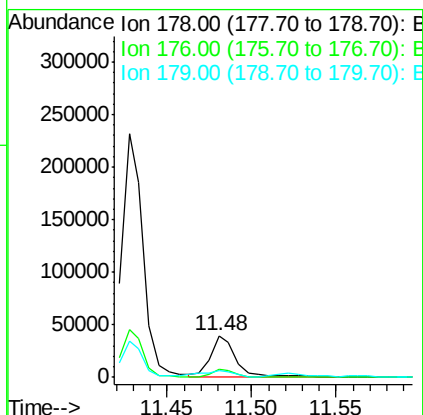
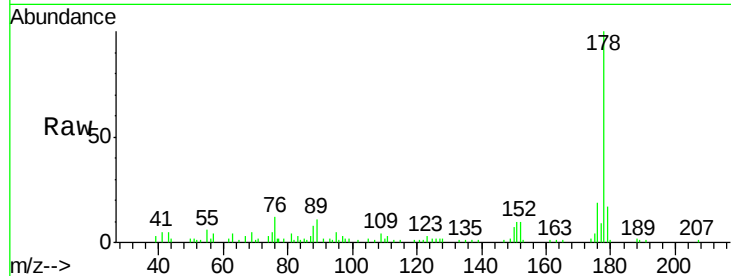
#71
 Anthracene
 Concen: 2.269 ng
 RT: 11.48 min Scan# 1597
 Delta R.T. -0.01 min
 Lab File: BF103284.D
 Acq: 28 Feb 2018 1:35

Instrument :
 BNA_F
 ClientSampleId :
 RO-347-CONCRETE

Tot Ion	Ratio	Lower	Upper
178	100		
176	18.5	15.4	23.2
179	16.6	12.6	19.0

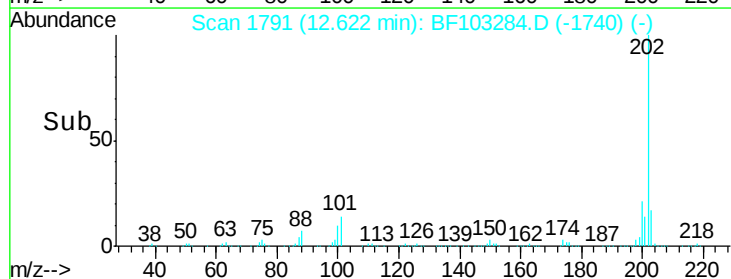
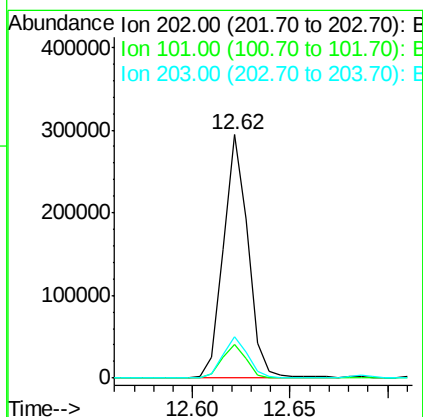
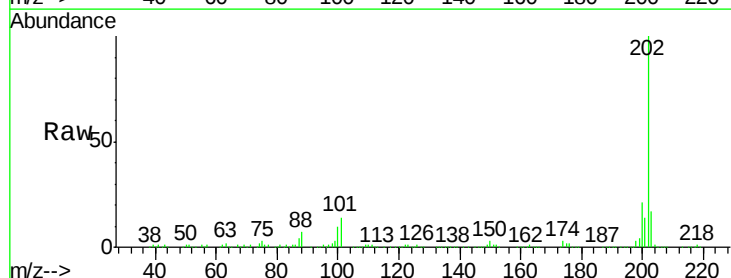
Manual Integrations
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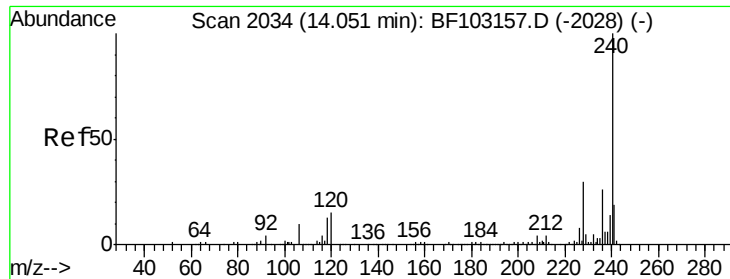
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#74
 Fluoranthene
 Concen: 14.260 ng
 RT: 12.62 min Scan# 1791
 Delta R.T. 0.00 min
 Lab File: BF103284.D
 Acq: 28 Feb 2018 1:35

Tgt Ion	Ratio	Lower	Upper
202	100		
101	13.7	0.0	34.1
203	16.9	0.0	38.1





#75

Chrysene-d12

Concen: 20.000 ng

RT: 14.06 min Scan# 2035

Delta R.T. 0.00 min

Lab File: BF103284.D

Acq: 28 Feb 2018 1:35

Instrument :

BNA_F

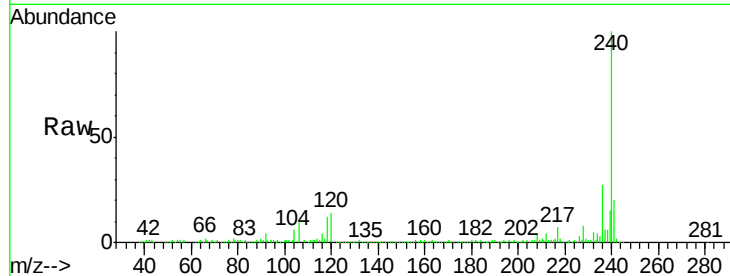
ClientSampleId :

RO-347-CONCRETE

Tot Ion	Ratio	Lower	Upper
240	100		
120	14.4	9.5	14.3
236	27.4	20.7	31.1

Manual Integrations
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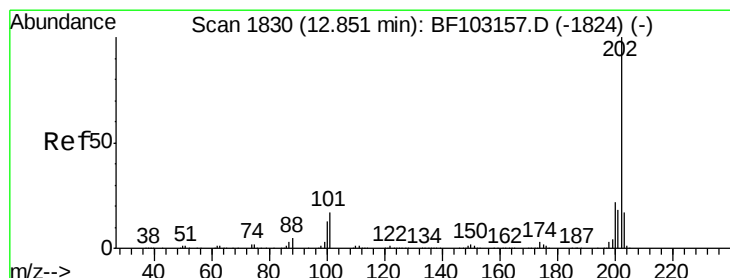
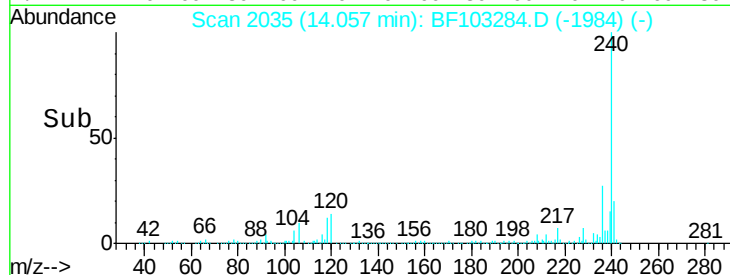
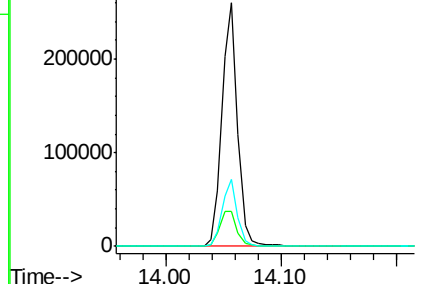
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Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E



#77

Pyrene

Concen: 11.854 ng

RT: 12.85 min Scan# 1830

Delta R.T. -0.01 min

Lab File: BF103284.D

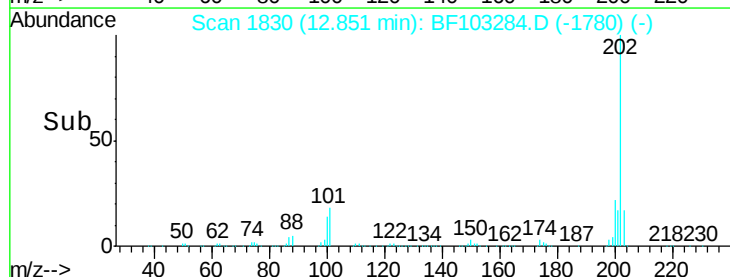
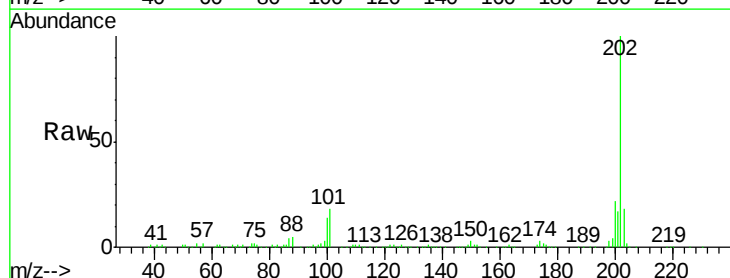
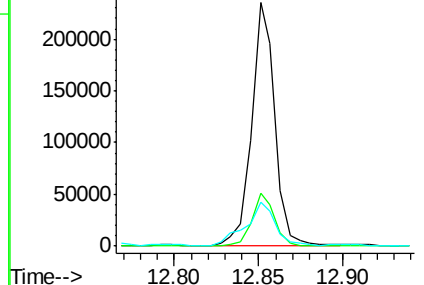
Acq: 28 Feb 2018 1:35

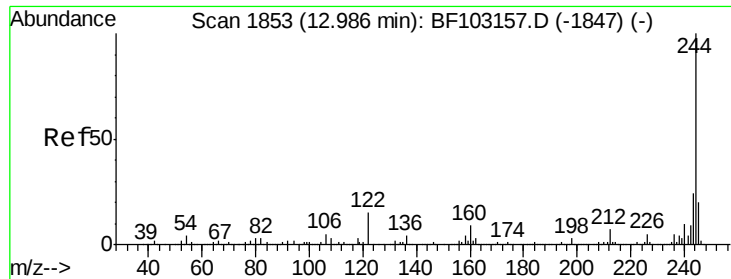
Tgt Ion	Ratio	Lower	Upper
202	100		
200	21.8	17.4	26.2
203	17.8	14.3	21.5

Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#78

Terphenyl-d14

Concen: 20.684 ng

RT: 12.99 min Scan# 1853

Delta R.T. -0.01 min

Lab File: BF103284.D

Acq: 28 Feb 2018 1:35

Instrument :

BNA_F

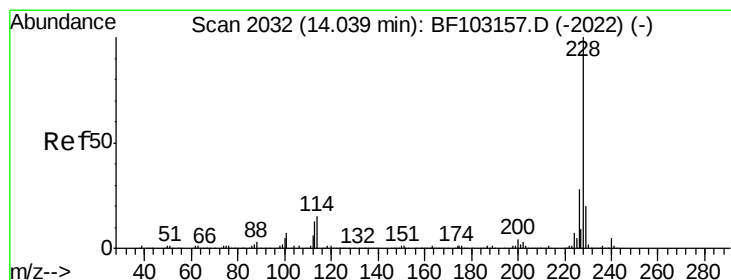
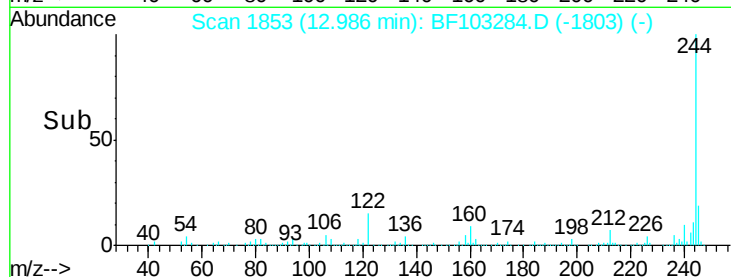
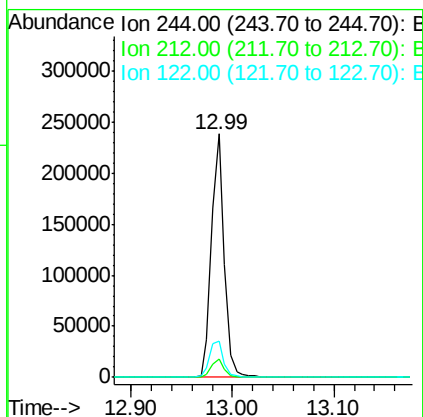
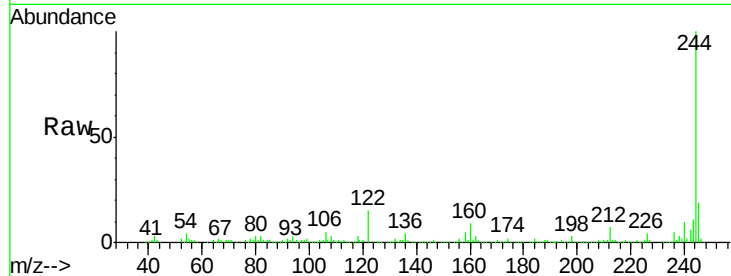
ClientSampleId :

RO-347-CONCRETE

Tot Ion:	244	Resp:	209687
Ion Ratio	Lower	Upper	
244	100		
212	7.4	5.4	8.0
122	15.0	11.0	16.4

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#80

Benzo(a)anthracene

Concen: 6.682 ng m

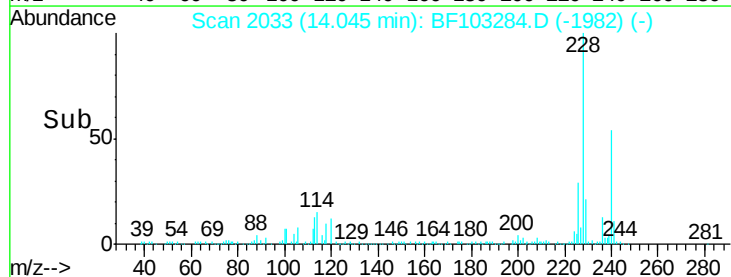
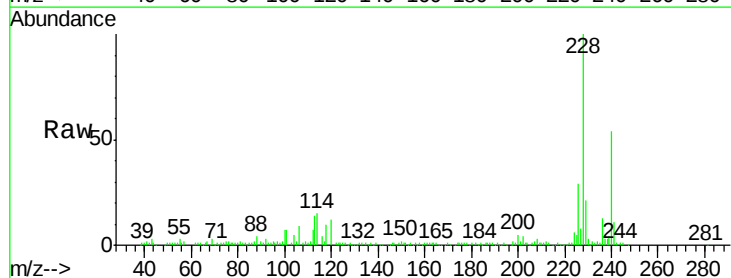
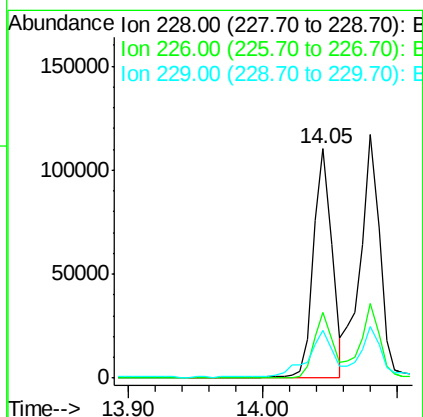
RT: 14.05 min Scan# 2033

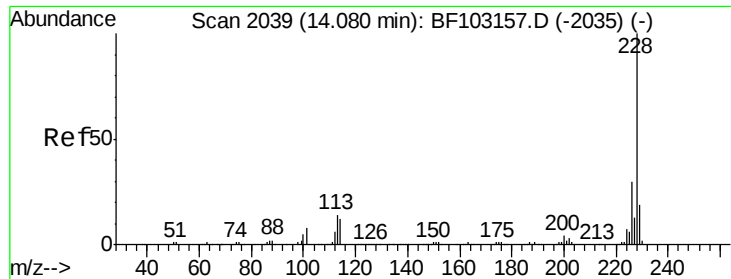
Delta R.T. 0.00 min

Lab File: BF103284.D

Acq: 28 Feb 2018 1:35

Tgt Ion:	228	Resp:	105648
Ion Ratio	Lower	Upper	
228	100		
226	28.8	22.6	33.8
229	21.0	15.8	23.6





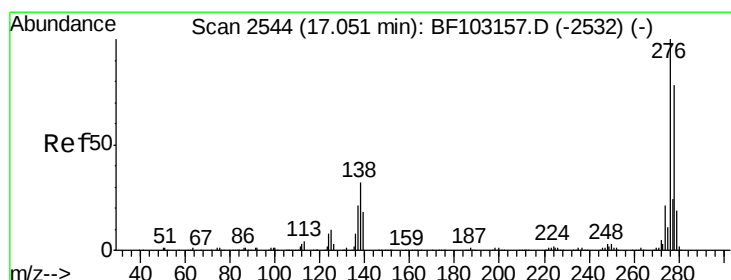
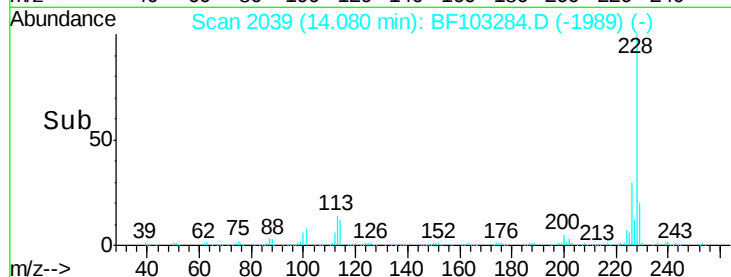
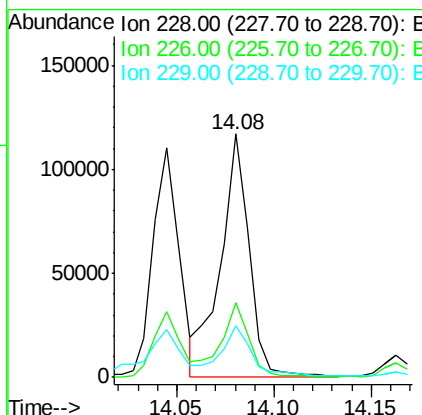
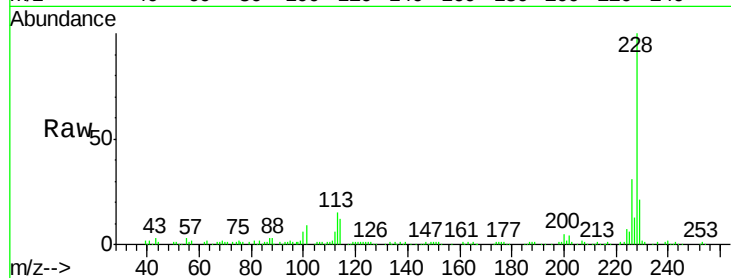
#82
Chrysene
Concen: 7.770 ng/mL
RT: 14.08 min Scan# 2039
Delta R.T. -0.01 min
Lab File: BF103284.D
Acq: 28 Feb 2018 1:35

Instrument :
BNA_F
ClientSampleId :
RO-347-CONCRETE

Tot Ion:	228	Resp:	119299
Ion Ratio	Lower	Upper	
228	100		
226	30.7	25.0	37.6
229	21.0	16.2	24.4

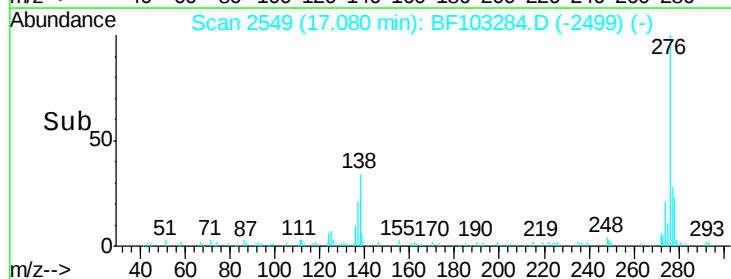
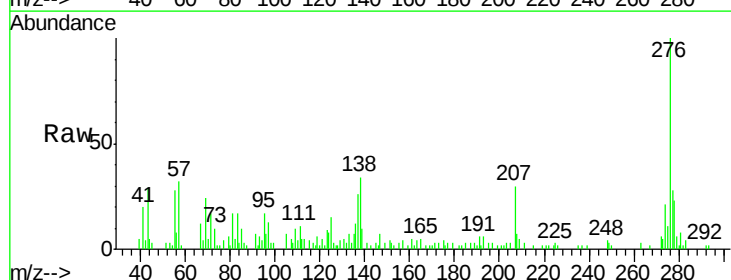
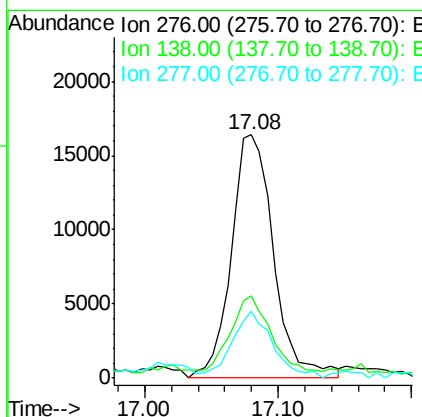
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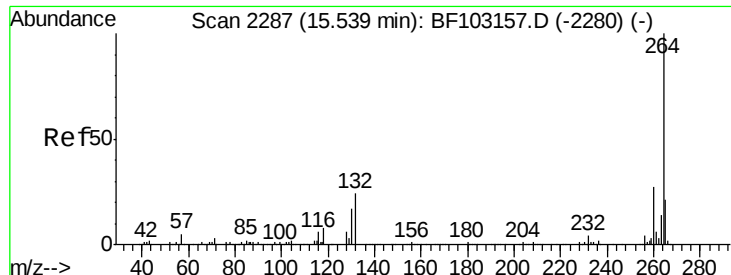
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#85
Indeno(1,2,3-cd)pyrene
Concen: 2.967 ng
RT: 17.08 min Scan# 2549
Delta R.T. -0.01 min
Lab File: BF103284.D
Acq: 28 Feb 2018 1:35

Tgt Ion:	276	Resp:	36067
Ion Ratio	Lower	Upper	
276	100		
138	31.6	25.0	37.6
277	26.4	20.1	30.1





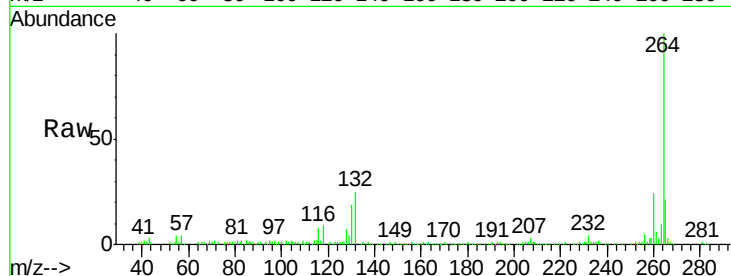
#86
Pervlene-d12
Concen: 20.000 ng
RT: 15.56 min Scan# 2290
Delta R.T. 0.00 min
Lab File: BF103284.D
Acq: 28 Feb 2018 1:35

Instrument :
BNA_F
ClientSampleId :
RO-347-CONCRETE

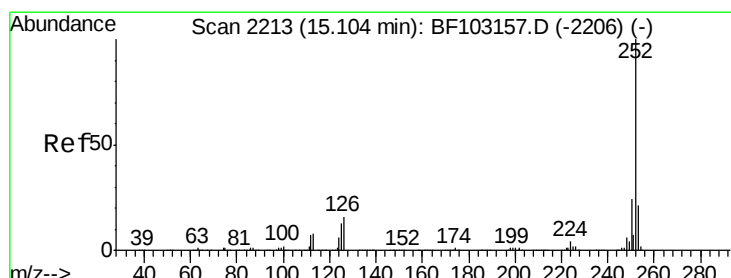
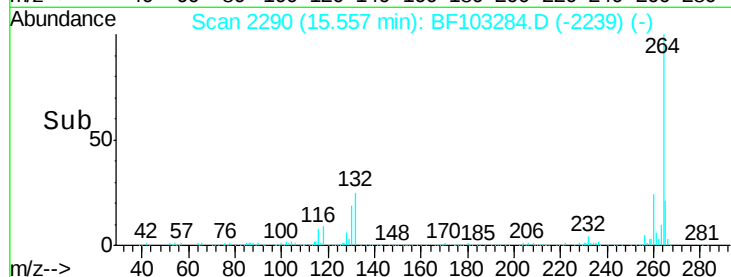
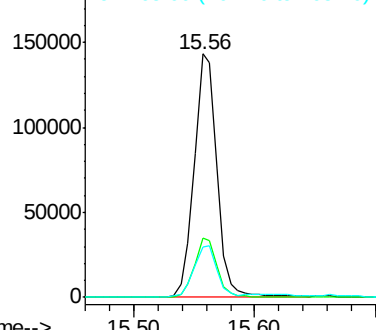
Tot Ion	Ratio	Lower	Upper
264	100		
260	24.3	19.2	28.8
265	20.8	17.5	26.3

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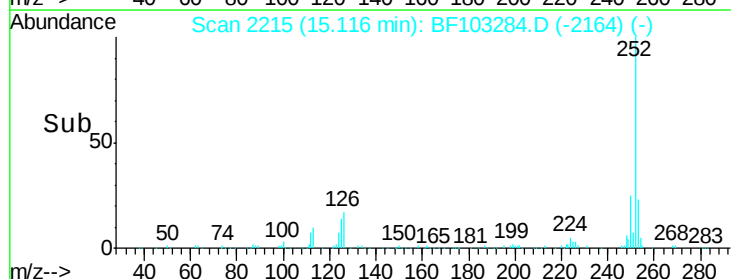
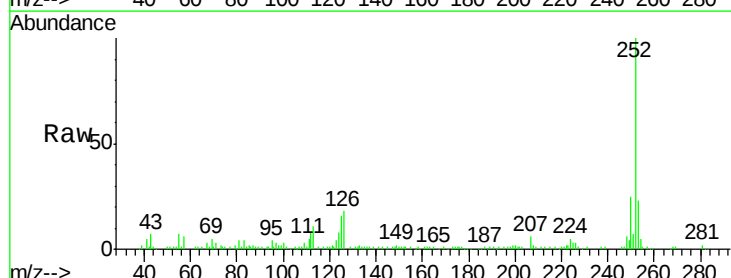
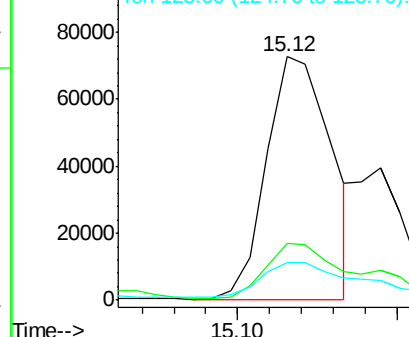
Abundance Ion 264.00 (263.70 to 264.70): E
Ion 260.00 (259.70 to 260.70): E
Ion 265.00 (264.70 to 265.70): E

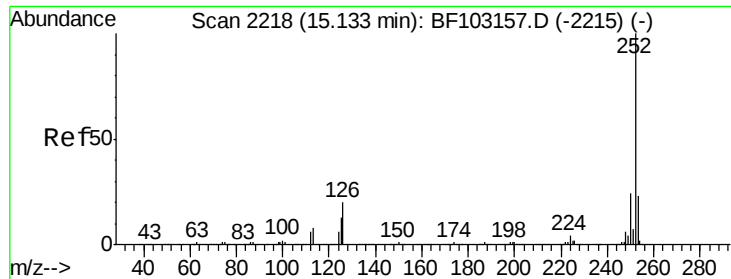


#87
Benzo(b)fluoranthene
Concen: 8.380 ng m
RT: 15.12 min Scan# 2215
Delta R.T. 0.00 min
Lab File: BF103284.D
Acq: 28 Feb 2018 1:35

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.4	17.0	25.6
125	15.7	9.0	13.6#

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





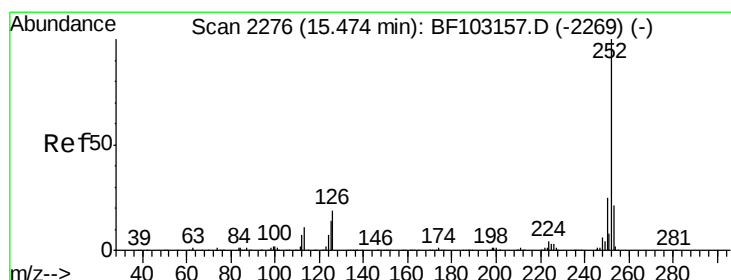
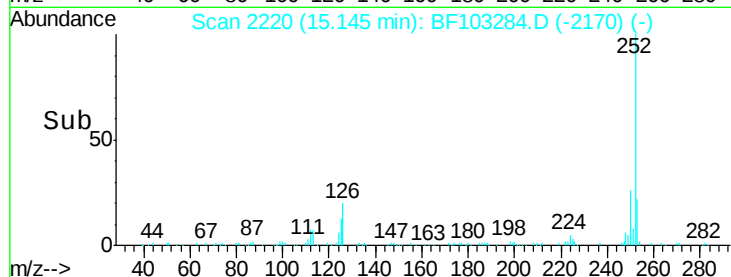
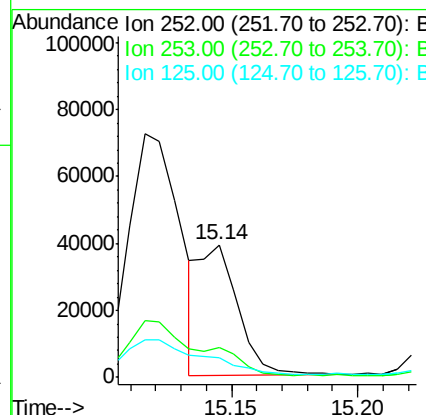
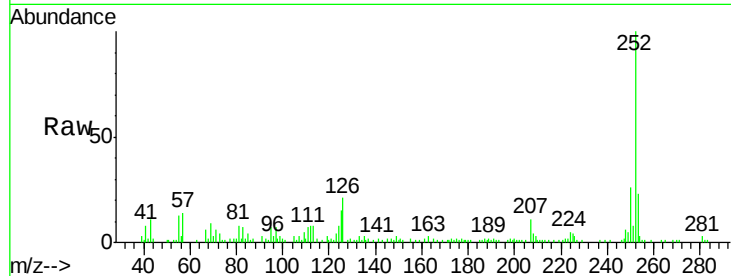
#88
Benzo(k)fluoranthene
Concen: 3.515 ng m
RT: 15.14 min Scan# 2220
Delta R.T. -0.01 min
Lab File: BF103284.D
Acq: 28 Feb 2018 1:35

Instrument :
BNA_F
ClientSampleId :
RO-347-CONCRETE

Tot Ion	Ratio	Lower	Upper
252	100		
253	22.8	17.9	26.9
125	14.9	10.2	15.2

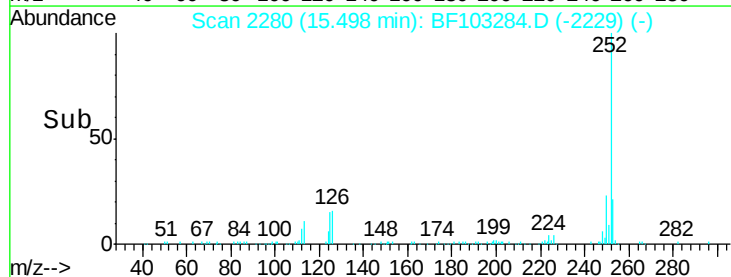
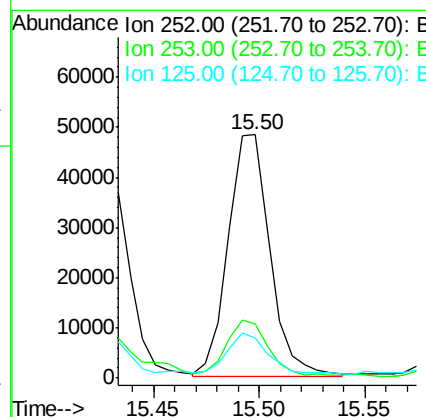
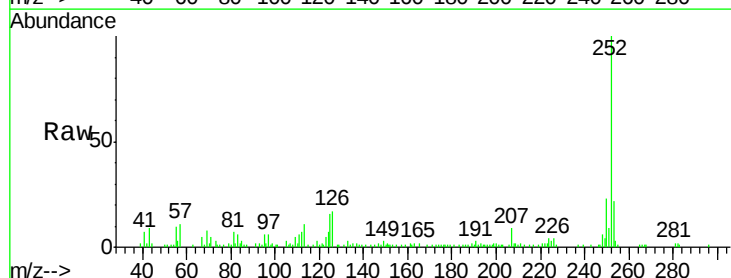
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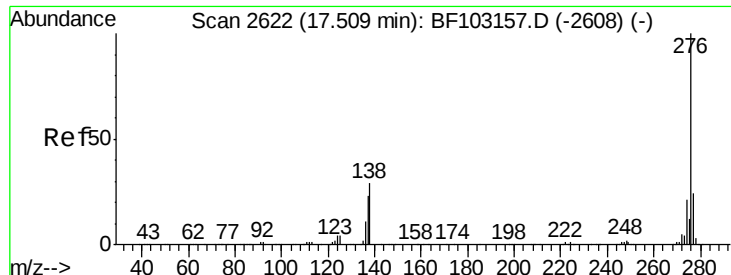
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#89
Benzo(a)pyrene
Concen: 6.006 ng
RT: 15.50 min Scan# 2280
Delta R.T. 0.00 min
Lab File: BF103284.D
Acq: 28 Feb 2018 1:35

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.4	17.1	25.7
125	16.3	9.8	14.6





#91
 Benzo(a,h,i)perylene
 Concen: 4.100 ng
 RT: 17.54 min Scan# 2628
 Delta R.T. 0.01 min
 Lab File: BF103284.D
 Acq: 28 Feb 2018 1:35

Instrument :
 BNA_F
 ClientSampleId :
 RO-347-CONCRETE

Tot Ion	Ratio	Lower	Upper
276	100		
277	27.9	17.9	26.9#
138	31.3	21.8	32.8

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