

Data Path : Z:\HPCHEM1\BNA F\DATA\BF121117\
 Data File : BF101324.D
 Acq On : 12 Dec 2017 9:38
 Operator : SJ/JU
 Sample : I6802-01
 Misc :
 ALS Vial : 46 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 CONCRETE-17273

Manual Integrations
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Quant Time: Dec 12 10:21:35 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF113017.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Dec 08 18:17:31 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.83	152	36326	20.00	ng	0.00
21) Naphthalene-d8	8.11	136	139741	20.00	ng	0.00
38) Acenaphthene-d10	9.87	164	56643	20.00	ng	0.00
63) Phenanthrene-d10	11.36	188	98855	20.00	ng	0.00
75) Chrysene-d12	14.01	240	76431	20.00	ng	0.00
86) Perylene-d12	15.49	264	59362	20.00	ng	0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.45	112	153096	69.64	ng	0.01
7) Phenol-d6	6.47	99	269577	101.00	ng	0.00
23) Nitrobenzene-d5	7.40	82	157250	67.13	ng	0.00
41) 2,4,6-Tribromophenol	10.66	330	19424	28.55	ng	0.00
44) 2-Fluorobiphenyl	9.19	172	336920	81.38	ng	0.00
78) Terphenyl-d14	12.95	244	266734	76.33	ng	0.00
Target Compounds						
10) Phenol	6.48	94	10641	3.586	ng	82
49) Dimethylphthalate	9.58	163	24726	5.413	ng	# 98
70) Phenanthrene	11.39	178	16649	3.058	ng	99
74) Fluoranthene	12.58	202	40782	6.758	ng	95
77) Pyrene	12.81	202	34741	6.587	ng	97
80) Benzo(a)anthracene	14.00	228	16147m	3.346	ng	
82) Chrysene	14.04	228	16703	3.727	ng	97
87) Benzo(b)fluoranthene	15.06	252	17268m	4.857	ng	
89) Benzo(a)pyrene	15.43	252	11459	3.545	ng	96
91) Benzo(g,h,i)perylene	17.43	276	6755	2.515	ng	96

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

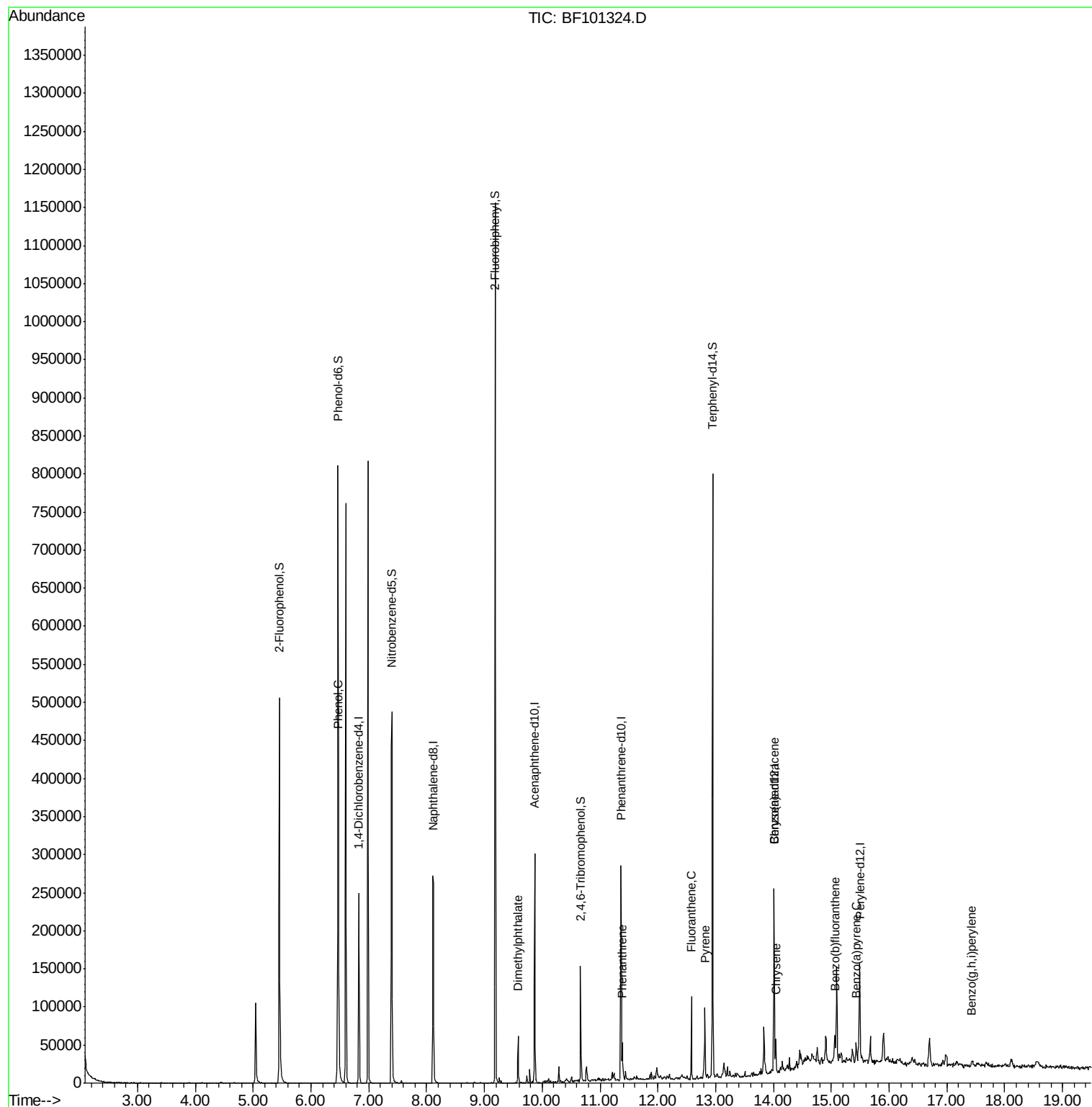
Data Path : Z:\HPCHEM1\BNA F\DATA\BF121117\
Data File : BF101324.D
Acq On : 12 Dec 2017 9:38
Operator : SJ/JU
Sample : I6802-01
Misc :
ALS Vial : 46 Sample Multiplier: 1

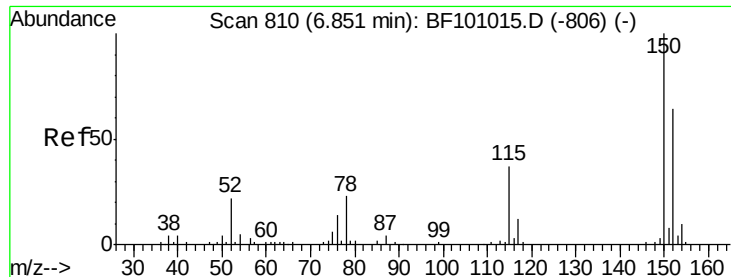
Instrument :
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#1

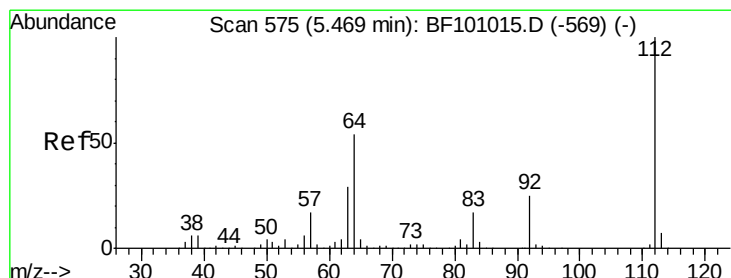
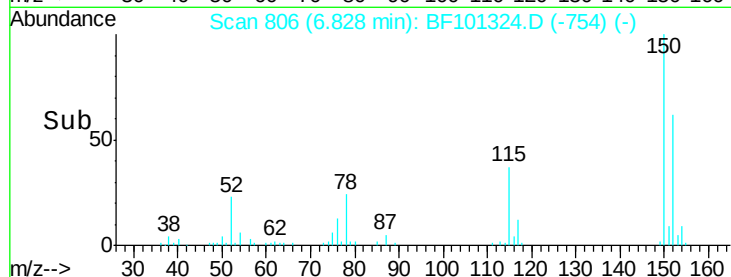
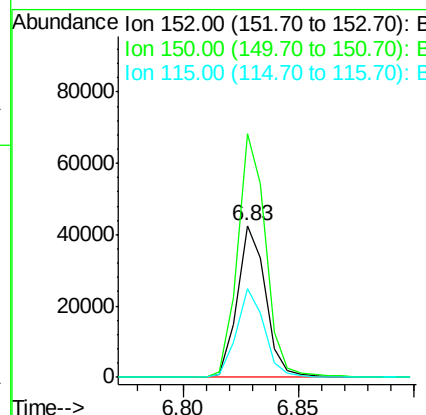
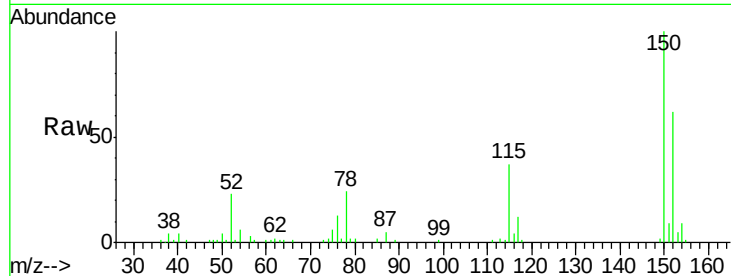
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.83 min Scan# 806
Delta R.T. 0.01 min
Lab File: BF101324.D
Acq: 12 Dec 2017 9:38

Instrument :
BNA_F
ClientSampleId :
CONCRETE-17273

Tot Ion	Ratio	Lower	Upper
152	100		
150	160.5	124.6	186.8
115	58.8	50.1	75.1

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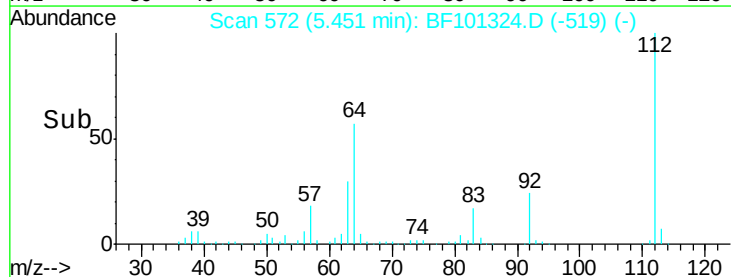
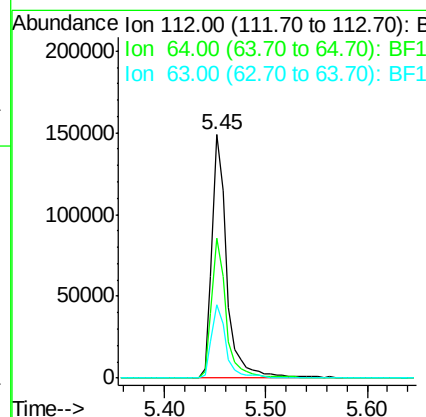
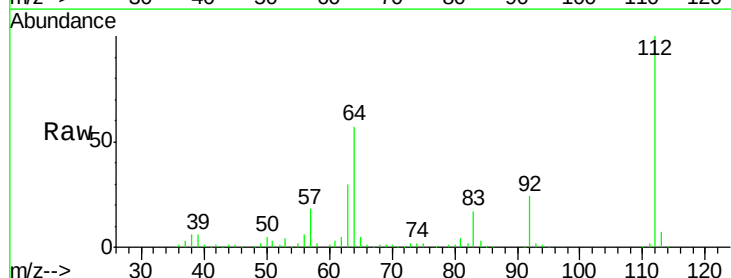
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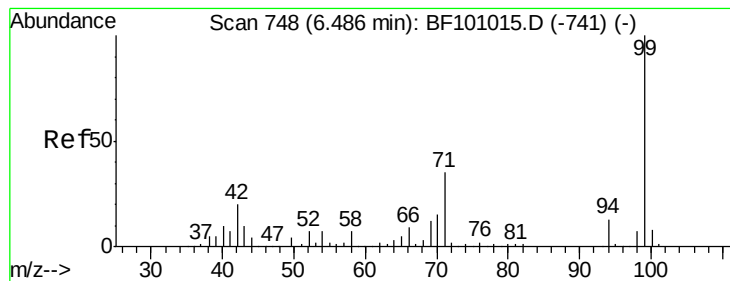


#5

2-Fluorophenol
Concen: 69.642 ng
RT: 5.45 min Scan# 572
Delta R.T. 0.01 min
Lab File: BF101324.D
Acq: 12 Dec 2017 9:38

Tgt Ion	Ratio	Lower	Upper
112	100		
64	57.4	47.9	71.9
63	29.9	23.7	35.5





#7

Phenol-d6

Concen: 101.004 ng

RT: 6.47 min Scan# 745

Delta R.T. 0.01 min

Lab File: BF101324.D

Acq: 12 Dec 2017 9:38

Instrument :

BNA_F

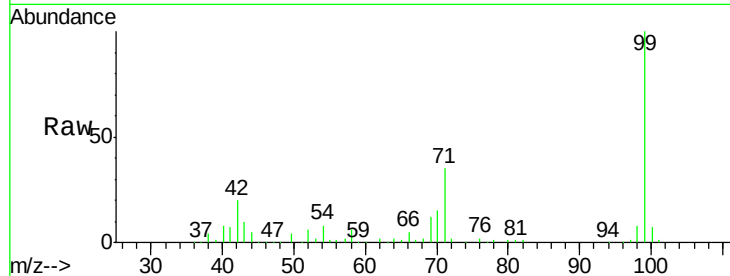
ClientSampleId :

CONCRETE-17273

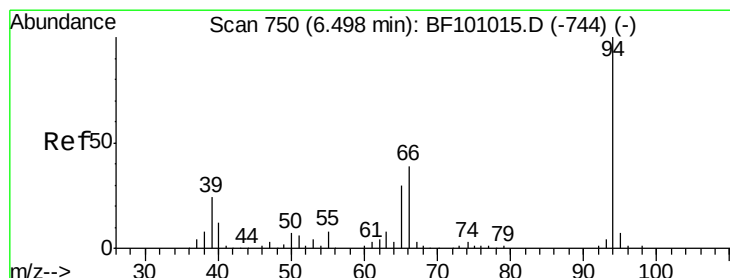
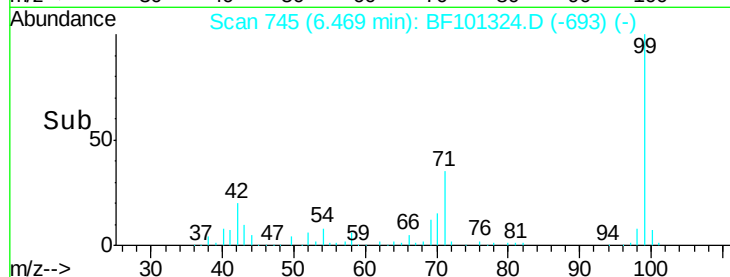
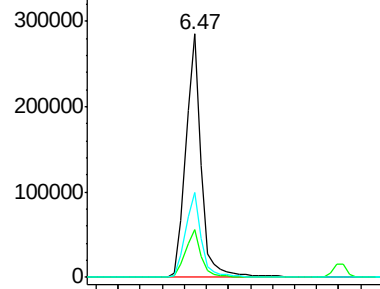
Tot Ion:	99	Resp:	269577
Ion Ratio	Lower	Upper	
99	100		
42	19.5	14.5	21.7
71	35.0	25.4	38.0

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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



#10

Phenol

Concen: 3.586 ng

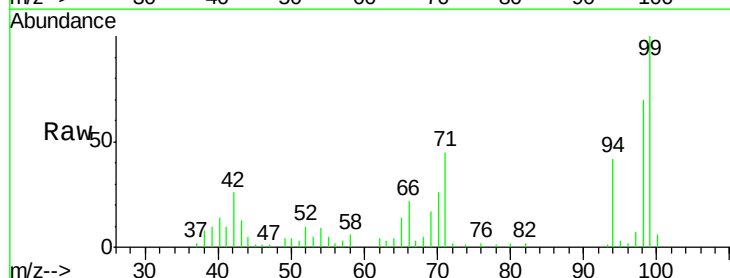
RT: 6.48 min Scan# 747

Delta R.T. 0.01 min

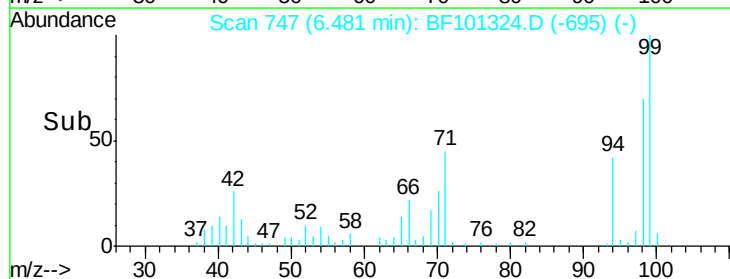
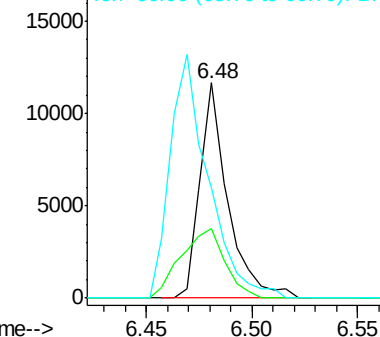
Lab File: BF101324.D

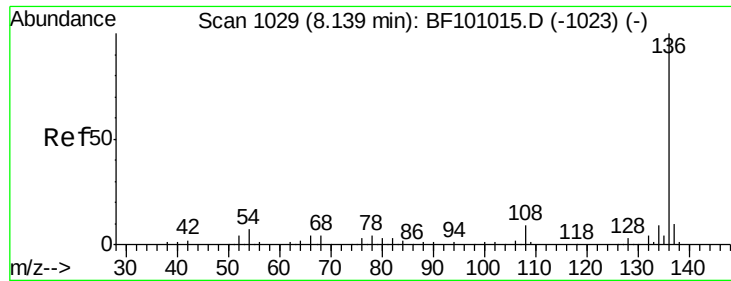
Acq: 12 Dec 2017 9:38

Tgt Ion:	94	Resp:	10641
Ion Ratio	Lower	Upper	
94	100		
65	32.4	7.9	47.9
66	51.2	16.2	56.2



Abundance Ion 94.00 (93.70 to 94.70): BF1
Ion 65.00 (64.70 to 65.70): BF1
Ion 66.00 (65.70 to 66.70): BF1





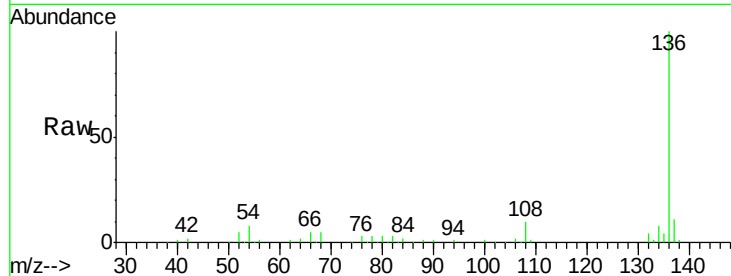
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.11 min Scan# 1024
Delta R.T. 0.00 min
Lab File: BF101324.D
Acq: 12 Dec 2017 9:38

Instrument :
BNA_F
ClientSampleId :
CONCRETE-17273

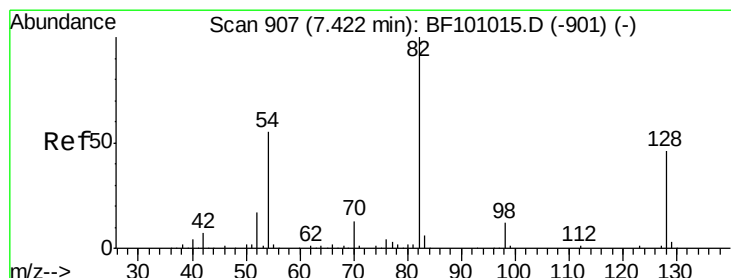
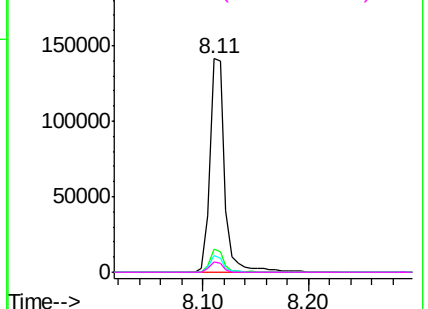
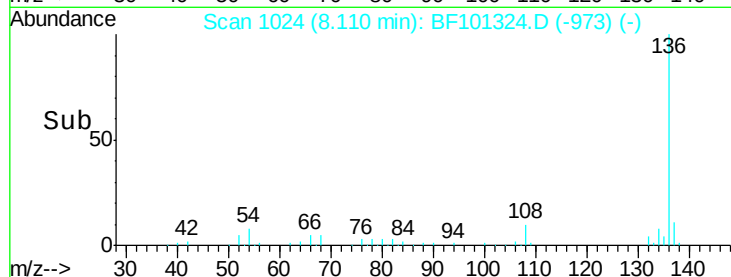
Tot Ion	Ion	Ratio	Resp	Lower	Upper
136	100				
137	10.8		8.9	13.3	
54	8.1		6.6	9.8	
68	4.9		5.0	7.4	

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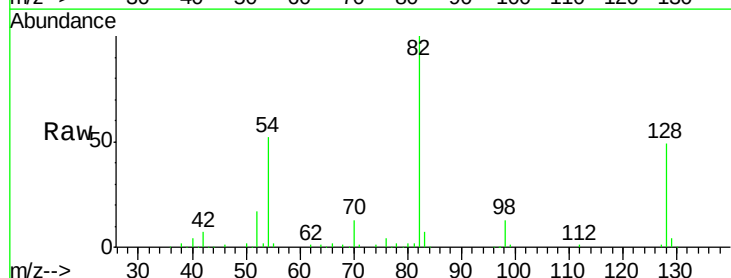


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF1
Ion 68.00 (67.70 to 68.70): BF1

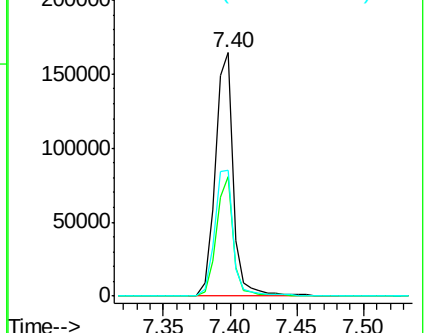
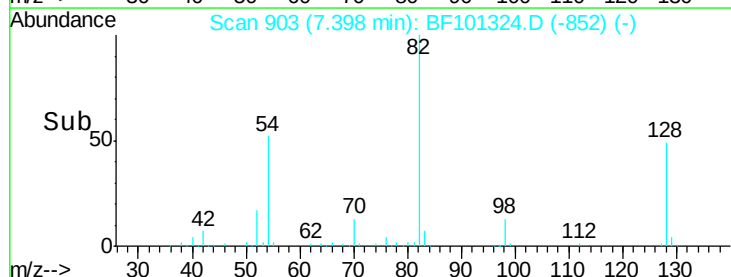


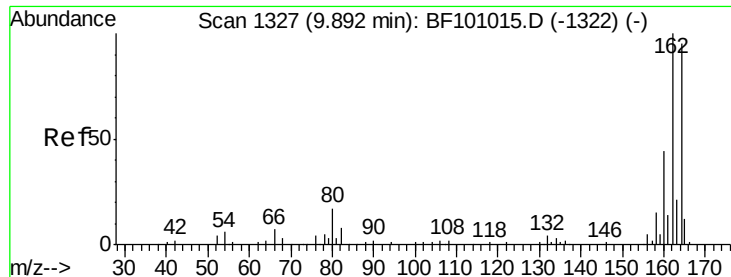
#23
Nitrobenzene-d5
Concen: 67.127 ng
RT: 7.40 min Scan# 903
Delta R.T. 0.00 min
Lab File: BF101324.D
Acq: 12 Dec 2017 9:38

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
82	100				
128	49.3		36.1	54.1	
54	51.6		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





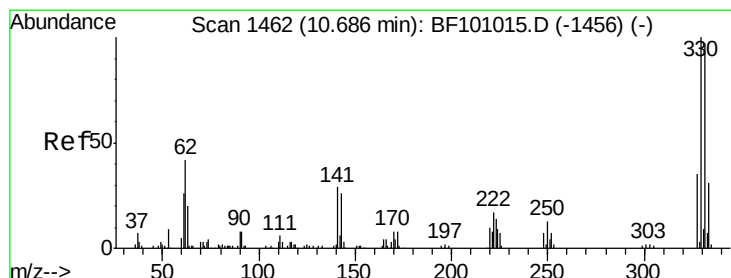
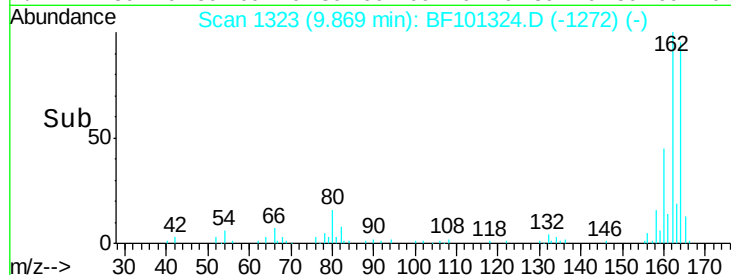
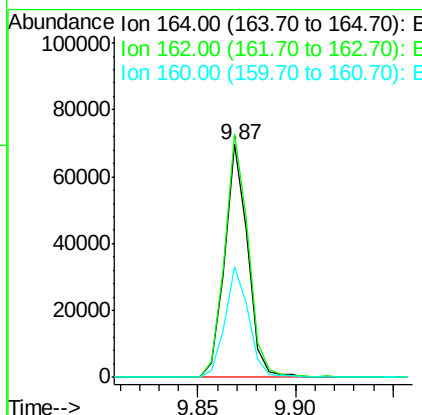
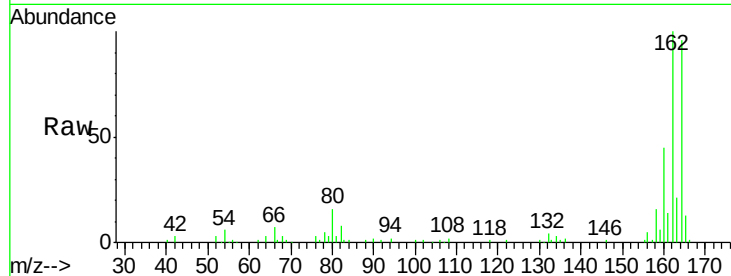
#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.87 min Scan# 1323
Delta R.T. 0.00 min
Lab File: BF101324.D
Acq: 12 Dec 2017 9:38

Instrument :
BNA_F
ClientSampleId :
CONCRETE-17273

Tot Ion	Ratio	Lower	Upper
164	100		
162	104.6	86.1	129.1
160	47.3	38.3	57.5

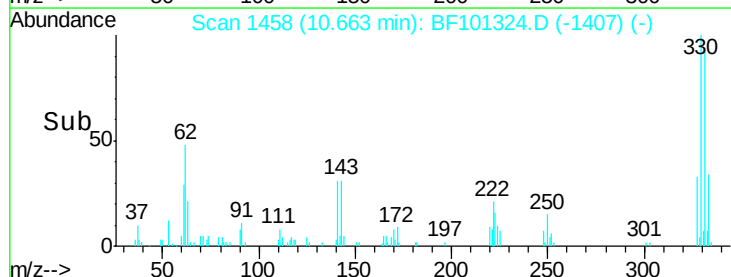
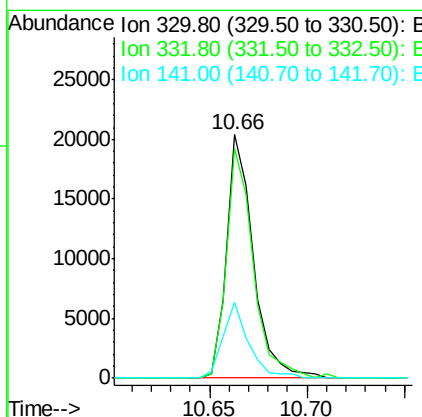
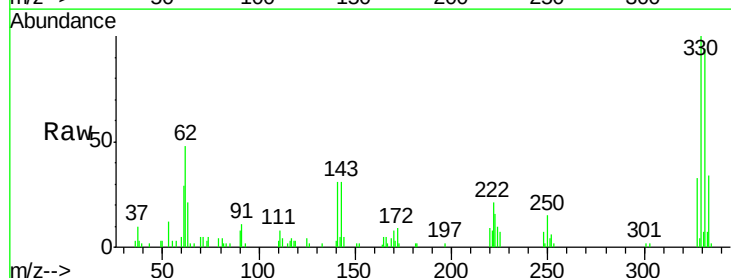
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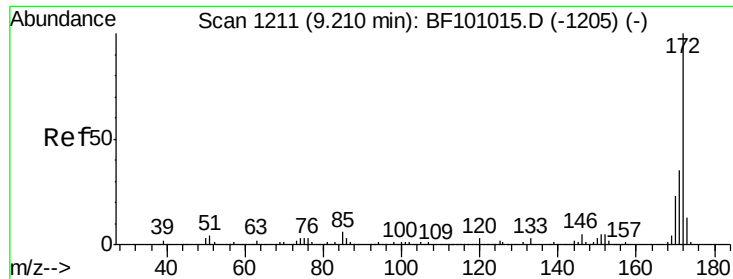
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#41
2,4,6-Tribromophenol
Concen: 28.546 ng
RT: 10.66 min Scan# 1458
Delta R.T. 0.00 min
Lab File: BF101324.D
Acq: 12 Dec 2017 9:38

Tgt Ion	Ratio	Lower	Upper
330	100		
332	94.8	77.0	115.6
141	29.8	29.9	44.9#





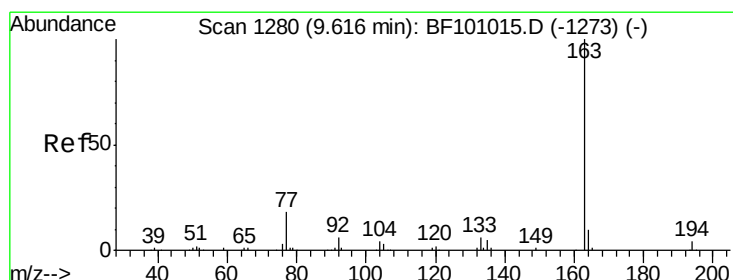
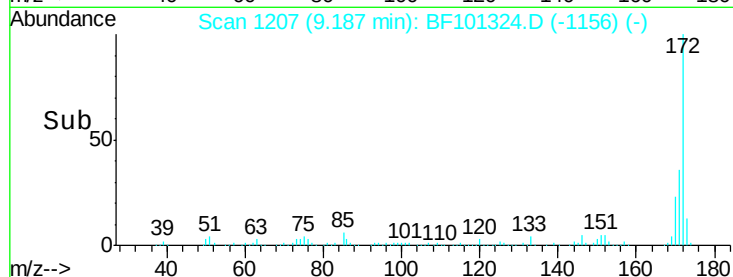
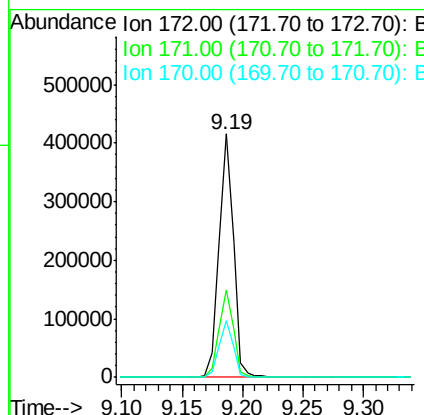
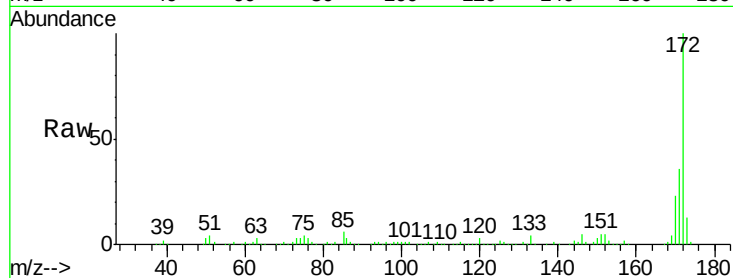
#44
2-Fluorobiphenyl
Concen: 81.382 ng
RT: 9.19 min Scan# 1207
Delta R.T. 0.00 min
Lab File: BF101324.D
Acq: 12 Dec 2017 9:38

Instrument :
BNA_F
ClientSampleId :
CONCRETE-17273

Tot Ion	Ratio	Resp	Lower	Upper
172	100			
171	36.1	29.7	44.5	
170	23.4	19.6	29.4	

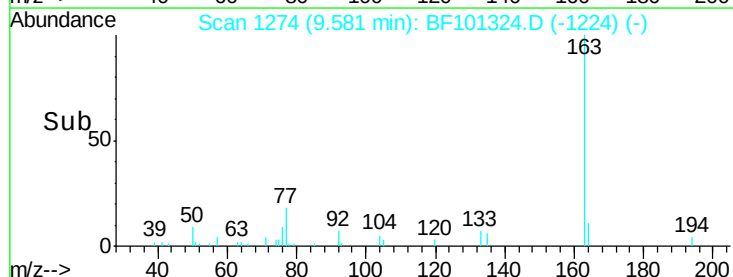
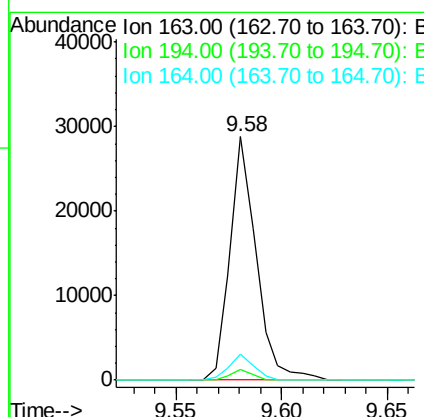
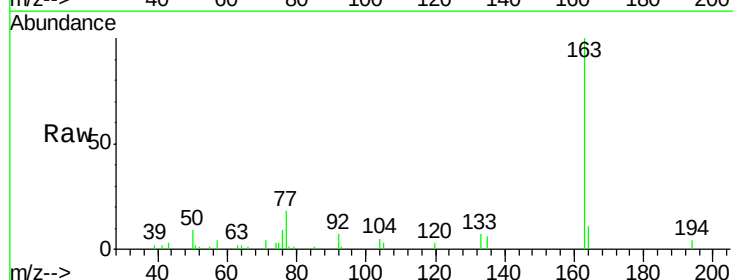
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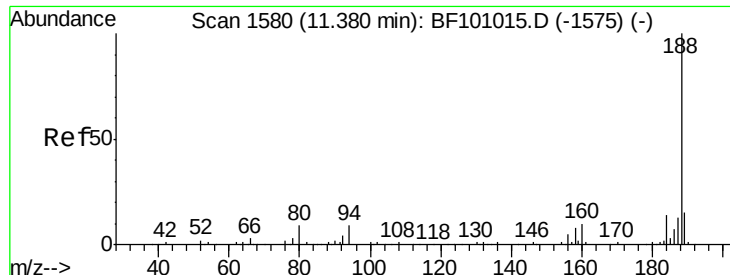
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#49
Dimethylphthalate
Concen: 5.413 ng
RT: 9.58 min Scan# 1274
Delta R.T. -0.01 min
Lab File: BF101324.D
Acq: 12 Dec 2017 9:38

Tgt Ion	Ratio	Resp	Lower	Upper
163	100			
194	4.2	2.7	4.1#	
164	10.8	8.2	12.2	





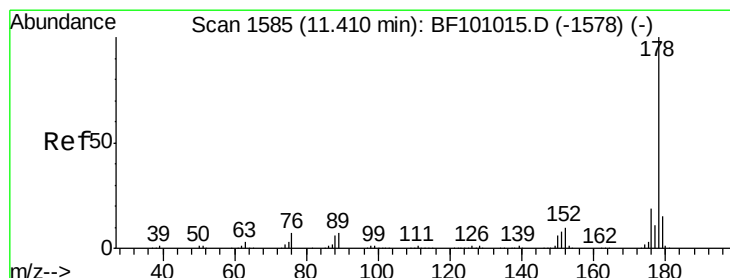
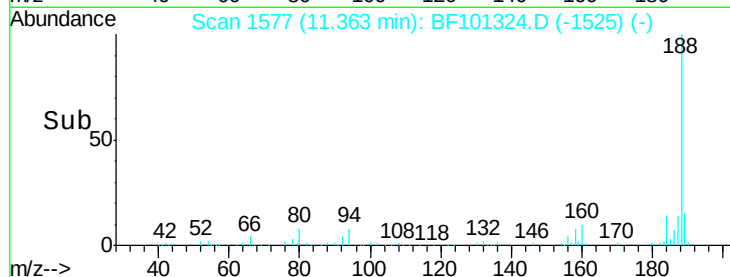
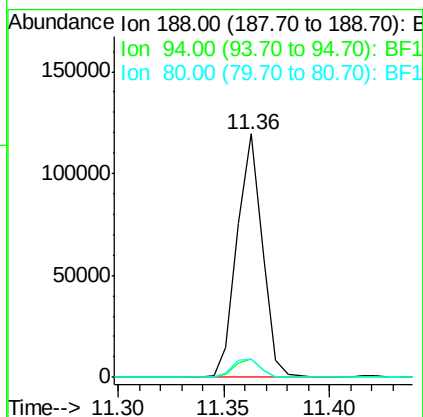
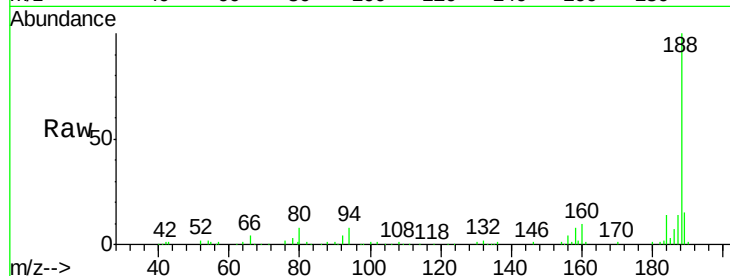
#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.36 min Scan# 1577
Delta R.T. 0.01 min
Lab File: BF101324.D
Acq: 12 Dec 2017 9:38

Instrument :
BNA_F
ClientSampleId :
CONCRETE-17273

Tot Ion	Ratio	Resp Lower	Upper
188	100		
94	7.6	8.5	12.7#
80	7.6	9.2	13.8#

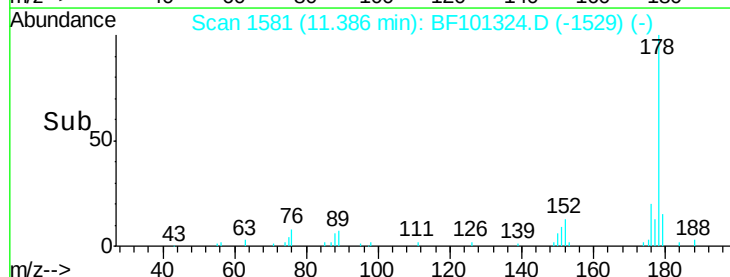
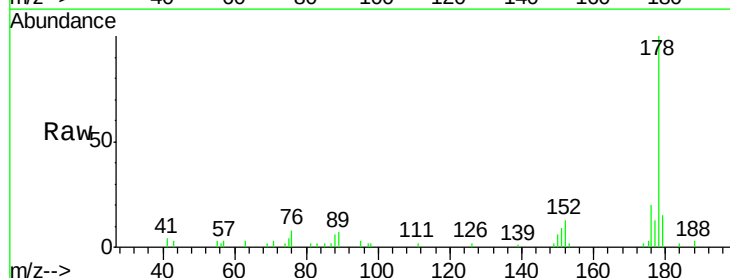
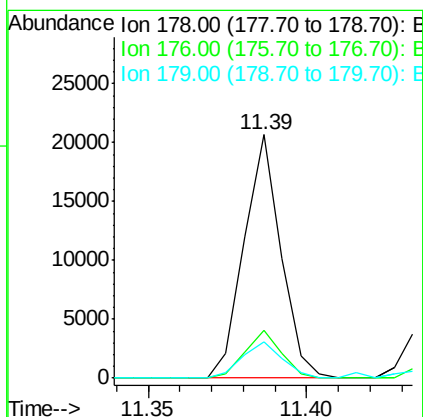
Manual Integrations
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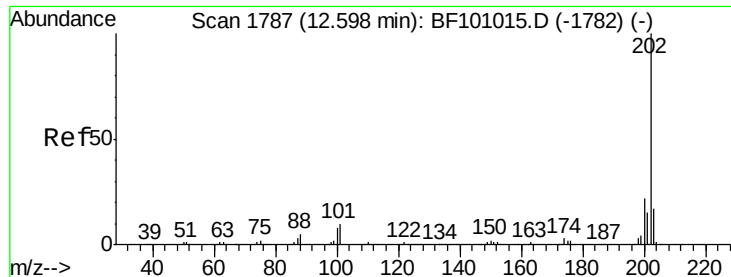
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#70
Phenanthrene
Concen: 3.058 ng
RT: 11.39 min Scan# 1581
Delta R.T. 0.01 min
Lab File: BF101324.D
Acq: 12 Dec 2017 9:38

Tgt Ion	Ratio	Resp Lower	Upper
178	100		
176	19.9	15.8	23.8
179	15.0	13.0	19.6





#74

Fluoranthene

Concen: 6.758 ng

RT: 12.58 min Scan# 1784

Delta R.T. 0.01 min

Lab File: BF101324.D

Acq: 12 Dec 2017 9:38

Instrument :

BNA_F

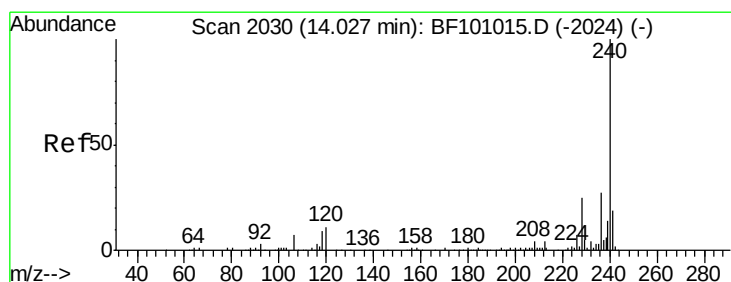
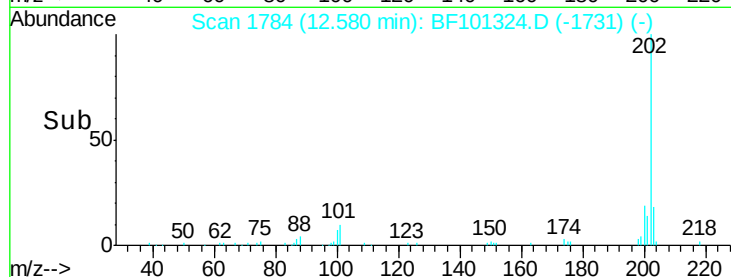
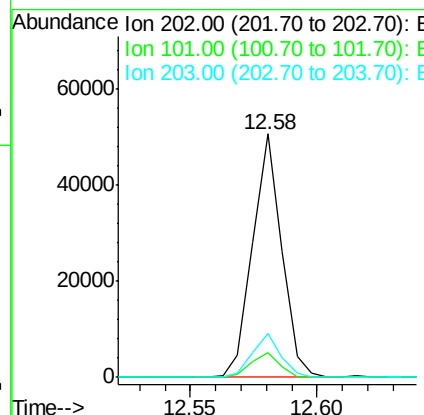
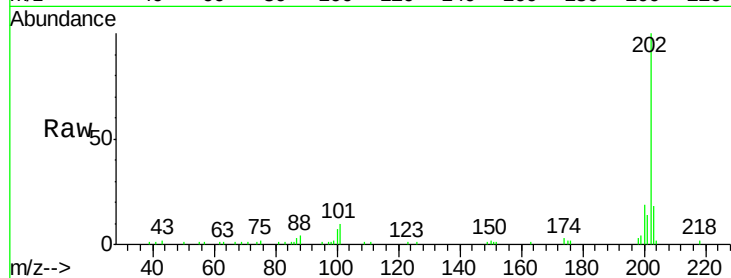
ClientSampleId :

CONCRETE-17273

Tot Ion:	202	Resp:	40782
Ion Ratio	Lower	Upper	
202	100		
101	10.2	0.0	34.1
203	17.8	0.0	38.1

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#75

Chrysene-d12

Concen: 20.000 ng

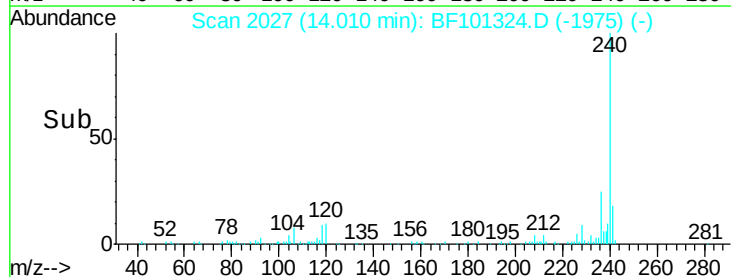
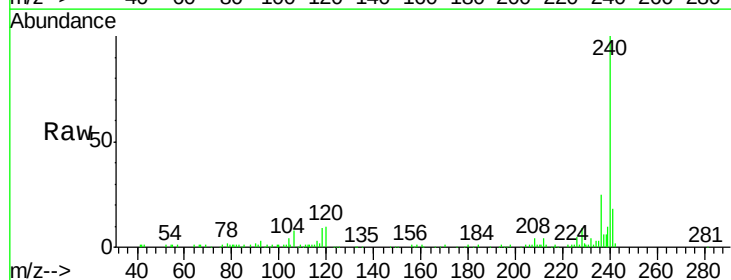
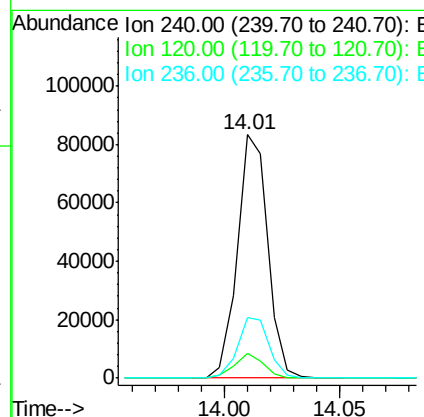
RT: 14.01 min Scan# 2027

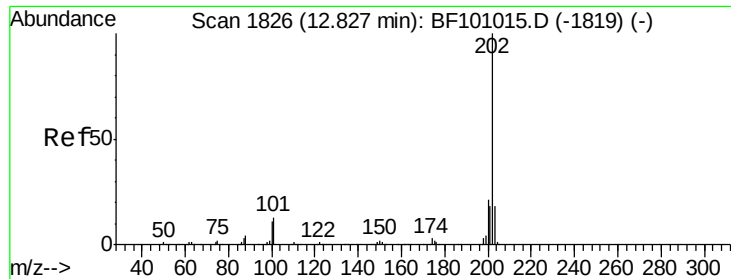
Delta R.T. 0.01 min

Lab File: BF101324.D

Acq: 12 Dec 2017 9:38

Tgt Ion:	240	Resp:	76431
Ion Ratio	Lower	Upper	
240	100		
120	10.4	9.5	14.3
236	24.8	20.7	31.1





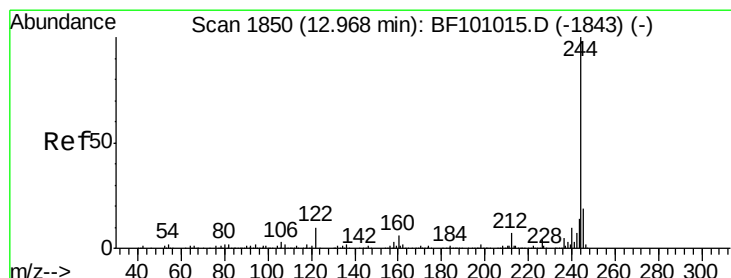
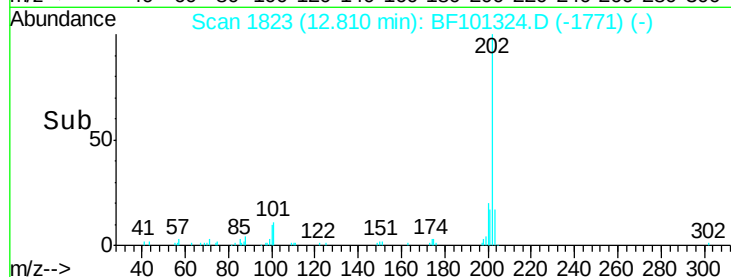
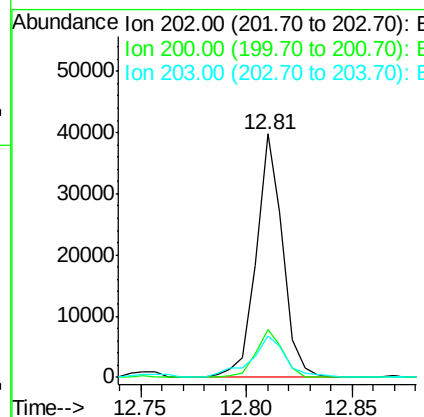
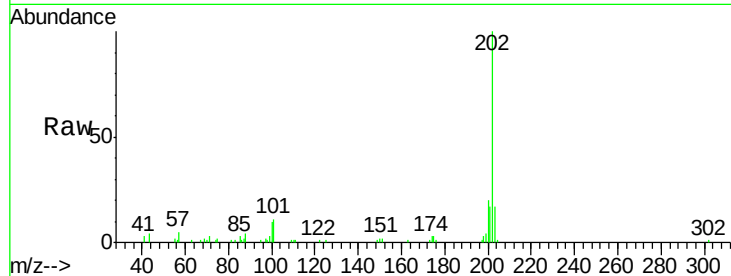
#77
Pvrene
Concen: 6.587 ng
RT: 12.81 min Scan# 1823
Delta R.T. 0.01 min
Lab File: BF101324.D
Acq: 12 Dec 2017 9:38

Instrument :
BNA_F
ClientSampleId :
CONCRETE-17273

Tot Ion	Ratio	Lower	Upper
202	100		
200	19.7	17.4	26.2
203	16.9	14.3	21.5

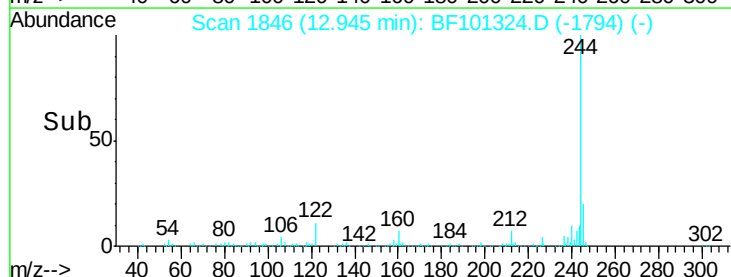
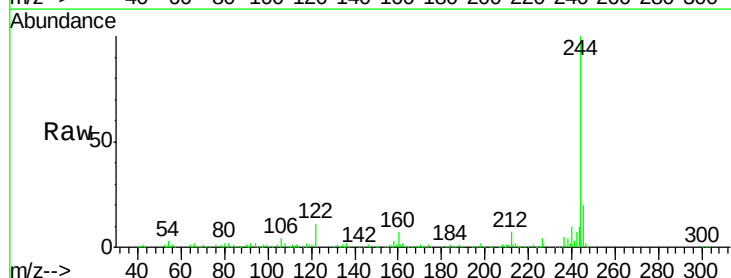
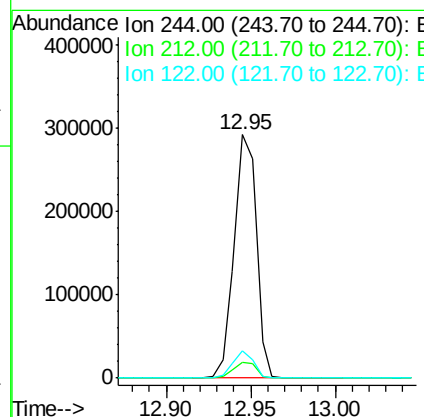
Manual Integrations
APPROVED

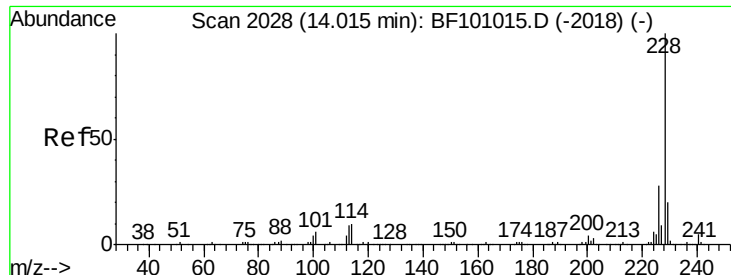
Sohil
12/12/2017 3:59:46 PM



#78
Terphenyl-d14
Concen: 76.333 ng
RT: 12.95 min Scan# 1846
Delta R.T. 0.01 min
Lab File: BF101324.D
Acq: 12 Dec 2017 9:38

Tgt Ion	Ratio	Lower	Upper
244	100		
212	6.7	5.4	8.0
122	11.0	11.0	16.4





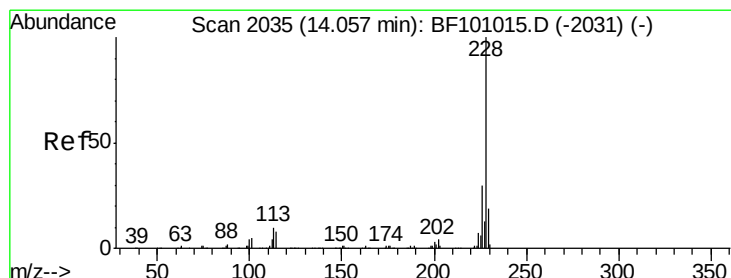
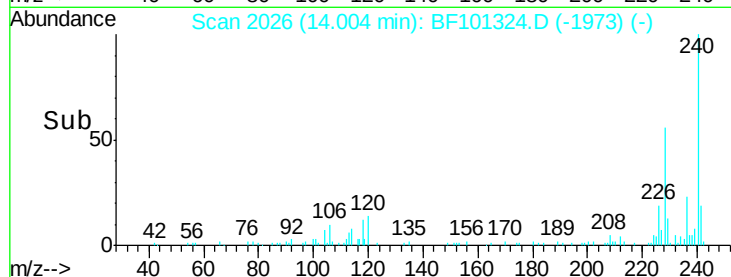
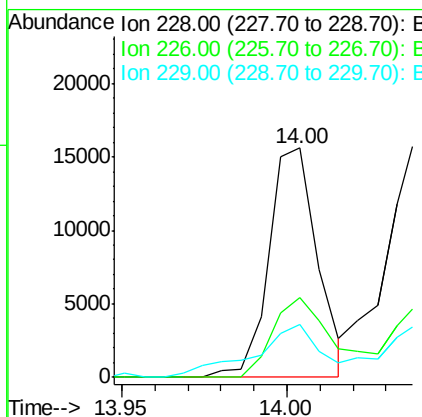
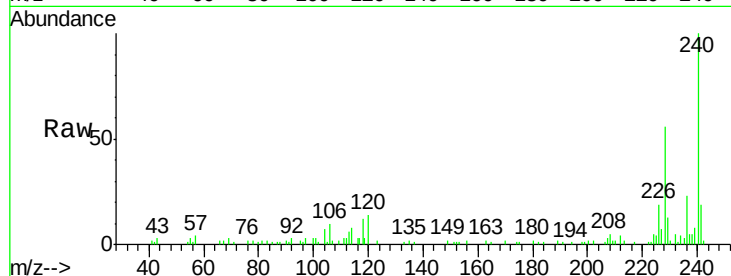
#80
Benzo(a)anthracene
Concen: 3.346 ng m
RT: 14.00 min Scan# 2026
Delta R.T. 0.01 min
Lab File: BF101324.D
Acq: 12 Dec 2017 9:38

Instrument :
BNA_F
ClientSampleId :
CONCRETE-17273

Tot Ion	Ratio	Lower	Upper
228	100		
226	34.8	22.6	33.8#
229	22.8	15.8	23.6

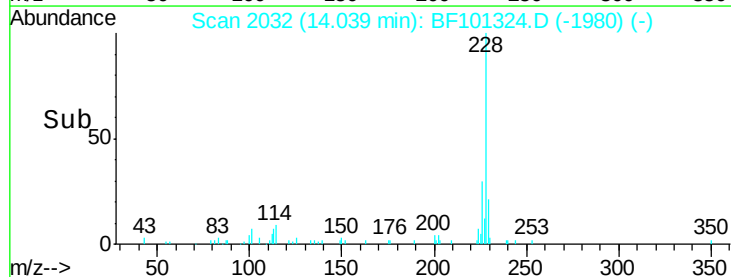
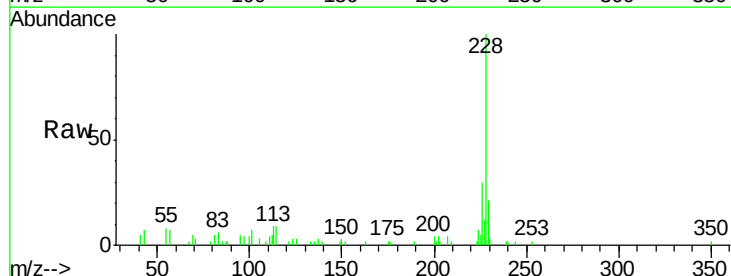
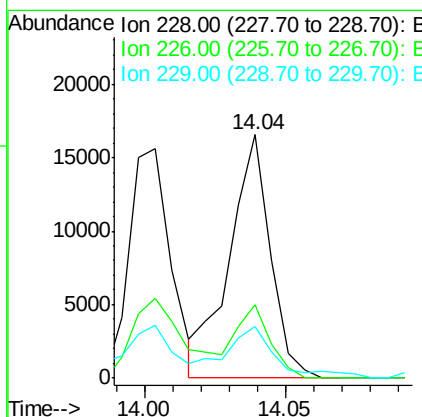
Manual Integrations
APPROVED

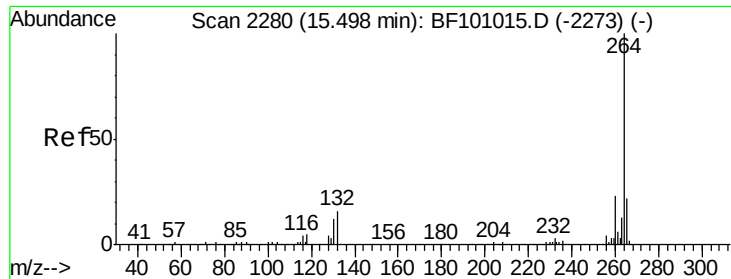
Sohil
12/12/2017 3:59:46 PM



#82
Chrysene
Concen: 3.727 ng
RT: 14.04 min Scan# 2032
Delta R.T. 0.01 min
Lab File: BF101324.D
Acq: 12 Dec 2017 9:38

Tgt Ion	Ratio	Lower	Upper
228	100		
226	29.9	25.0	37.6
229	21.4	16.2	24.4





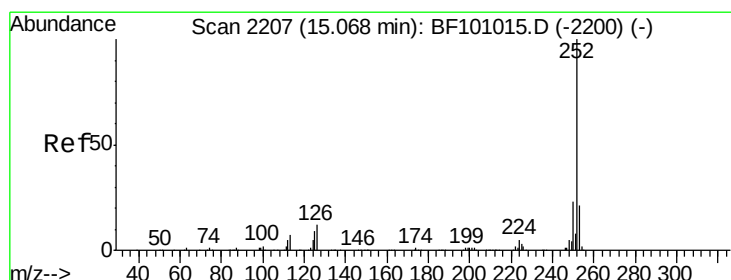
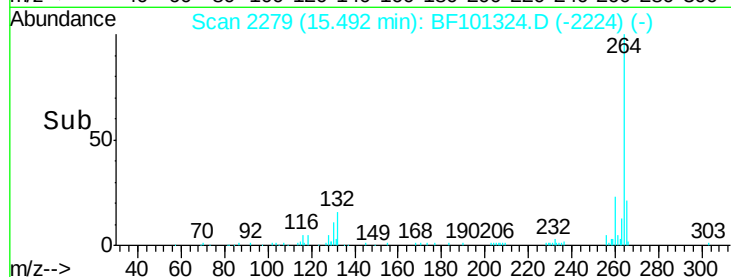
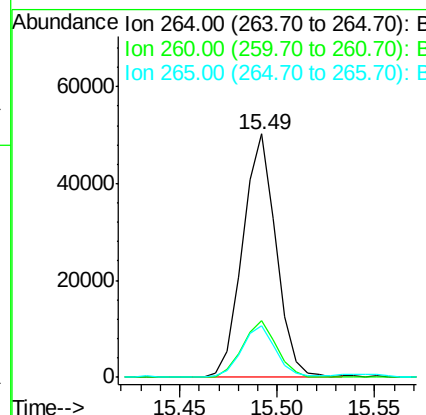
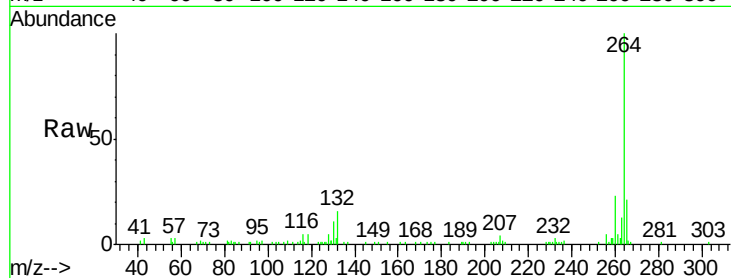
#86
Pervlene-d12
Concen: 20.000 ng
RT: 15.49 min Scan# 2279
Delta R.T. 0.02 min
Lab File: BF101324.D
Acq: 12 Dec 2017 9:38

Instrument :
BNA_F
ClientSampleId :
CONCRETE-17273

Tot Ion	Ratio	Lower	Upper
264	100		
260	23.5	19.2	28.8
265	21.4	17.5	26.3

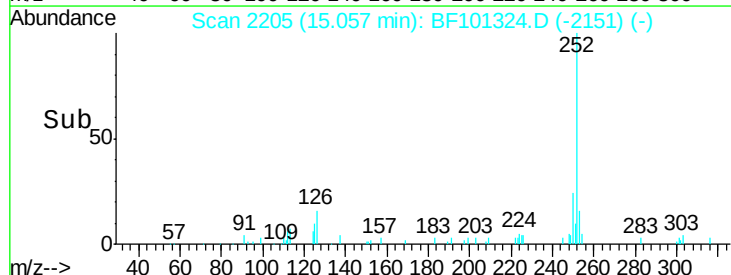
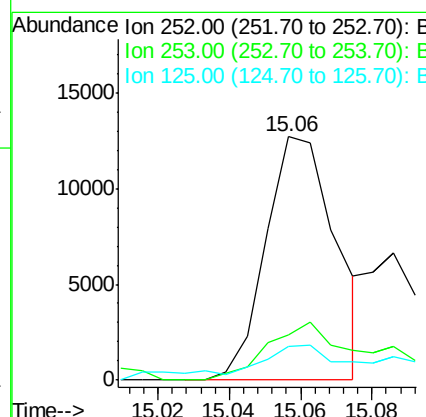
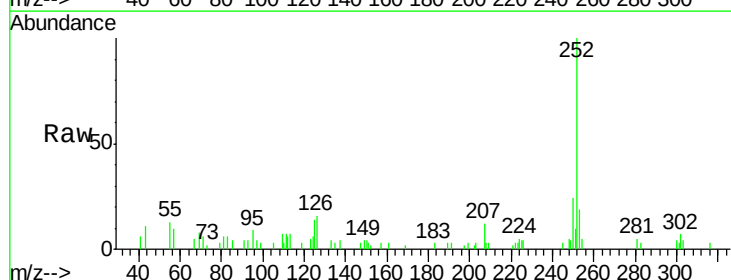
Manual Integrations
APPROVED

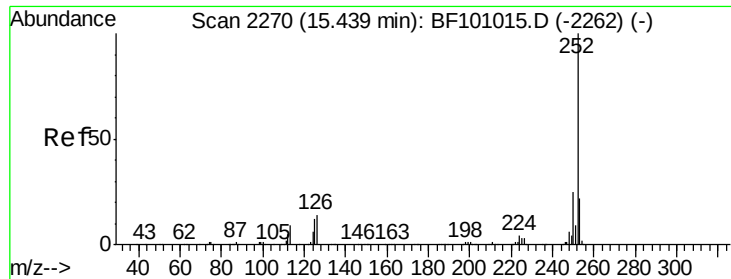
Sohil
12/12/2017 3:59:46 PM



#87
Benzo(b)fluoranthene
Concen: 4.857 ng m
RT: 15.06 min Scan# 2205
Delta R.T. 0.02 min
Lab File: BF101324.D
Acq: 12 Dec 2017 9:38

Tgt Ion	Ratio	Lower	Upper
252	100		
253	18.7	17.0	25.6
125	14.0	9.0	13.6#





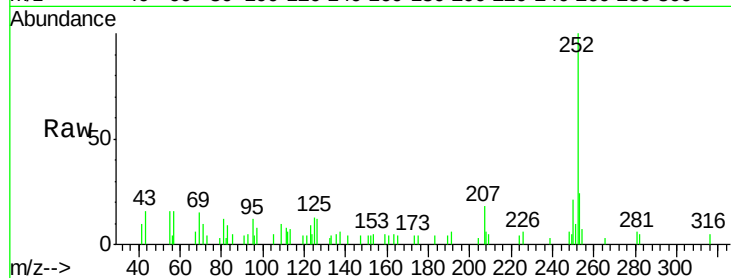
#89
Benzo(a)pyrene
Concen: 3.545 ng
RT: 15.43 min Scan# 2269
Delta R.T. 0.02 min
Lab File: BF101324.D
Acq: 12 Dec 2017 9:38

Instrument :
BNA_F
ClientSampleId :
CONCRETE-17273

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.5	17.1	25.7
125	13.0	9.8	14.6

Manual Integrations
APPROVED

Sohil
12/12/2017 3:59:46 PM

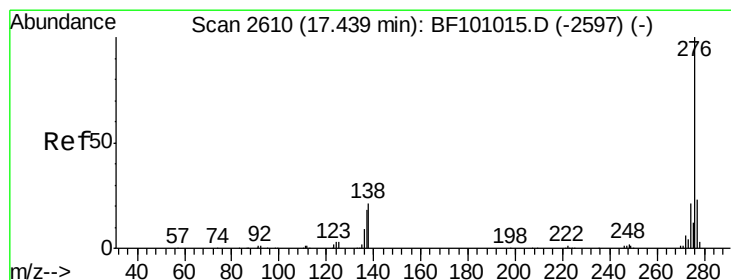
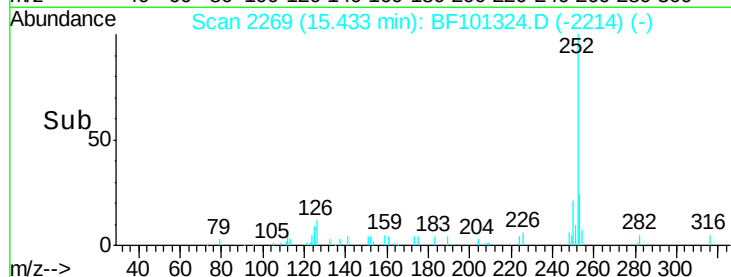
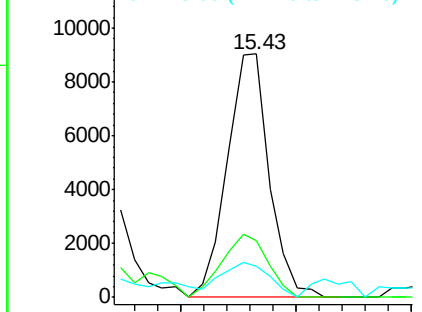


Abundance

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(g,h,i)perylene
Concen: 2.515 ng
RT: 17.43 min Scan# 2609
Delta R.T. 0.04 min
Lab File: BF101324.D
Acq: 12 Dec 2017 9:38

Tgt Ion	Ratio	Lower	Upper
276	100		
277	26.6	17.9	26.9
138	27.2	21.8	32.8

Abundance

Ion 276.00 (275.70 to 276.70): E

Ion 277.00 (276.70 to 277.70): E

Ion 138.00 (137.70 to 138.70): E

