

Data Path : Z:\HPCHEM1\BNA F\DATA\BF041618\
 Data File : BF104540.D
 Acq On : 16 Apr 2018 18:41
 Operator : JU/SJ
 Sample : J2394-01
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 1-1-2-DENSE-GRADE-AGG-RCA

Manual Integrations
 APPROVED

Sohil
 4/17/2018 10:08:59 AM

Quant Time: Apr 17 01:04:23 2018
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF040618.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Apr 16 12:15:25 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.81	152	141135	20.00	ng	0.00
21) Naphthalene-d8	8.09	136	583032	20.00	ng	0.00
38) Acenaphthene-d10	9.85	164	262182	20.00	ng	0.00
63) Phenanthrene-d10	11.34	188	436934	20.00	ng	0.00
75) Chrysene-d12	13.99	240	264807	20.00	ng	0.00
86) Perylene-d12	15.45	264	299788	20.00	ng	0.00

System Monitoring Compounds

5) 2-Fluorophenol	5.42	112	166272	18.01	ng	0.00
7) Phenol-d6	6.45	99	723757	63.82	ng	0.00
23) Nitrobenzene-d5	7.37	82	705549	79.02	ng	0.00
41) 2,4,6-Tribromophenol	10.64	330	2745	1.01	ng	0.00
44) 2-Fluorobiphenyl	9.17	172	1233555	74.33	ng	0.00
78) Terphenyl-d14	12.93	244	950396	81.82	ng	0.00

Target Compounds

						Qvalue
10) Phenol	6.46	94	46908	3.898	ng	95
49) Dimethylphthalate	9.56	163	216140	10.454	ng	99
70) Phenanthrene	11.36	178	196001	8.055	ng	99
73) Di-n-butylphthalate	11.90	149	60462	2.048	ng	98
74) Fluoranthene	12.55	202	197128	7.754	ng	99
77) Pyrene	12.78	202	177948	9.066	ng	99
80) Benzo(a)anthracene	13.97	228	71495	4.519	ng	99
82) Chrysene	14.01	228	68914	4.241	ng	96
85) Indeno(1,2,3-cd)pyrene	16.90	276	49407	3.579	ng	94
87) Benzo(b)fluoranthene	15.02	252	97484m	5.149	ng	
89) Benzo(a)pyrene	15.39	252	67566	3.988	ng	# 94
91) Benzo(a,h,i)perylene	17.34	276	48933	3.630	ng	97

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

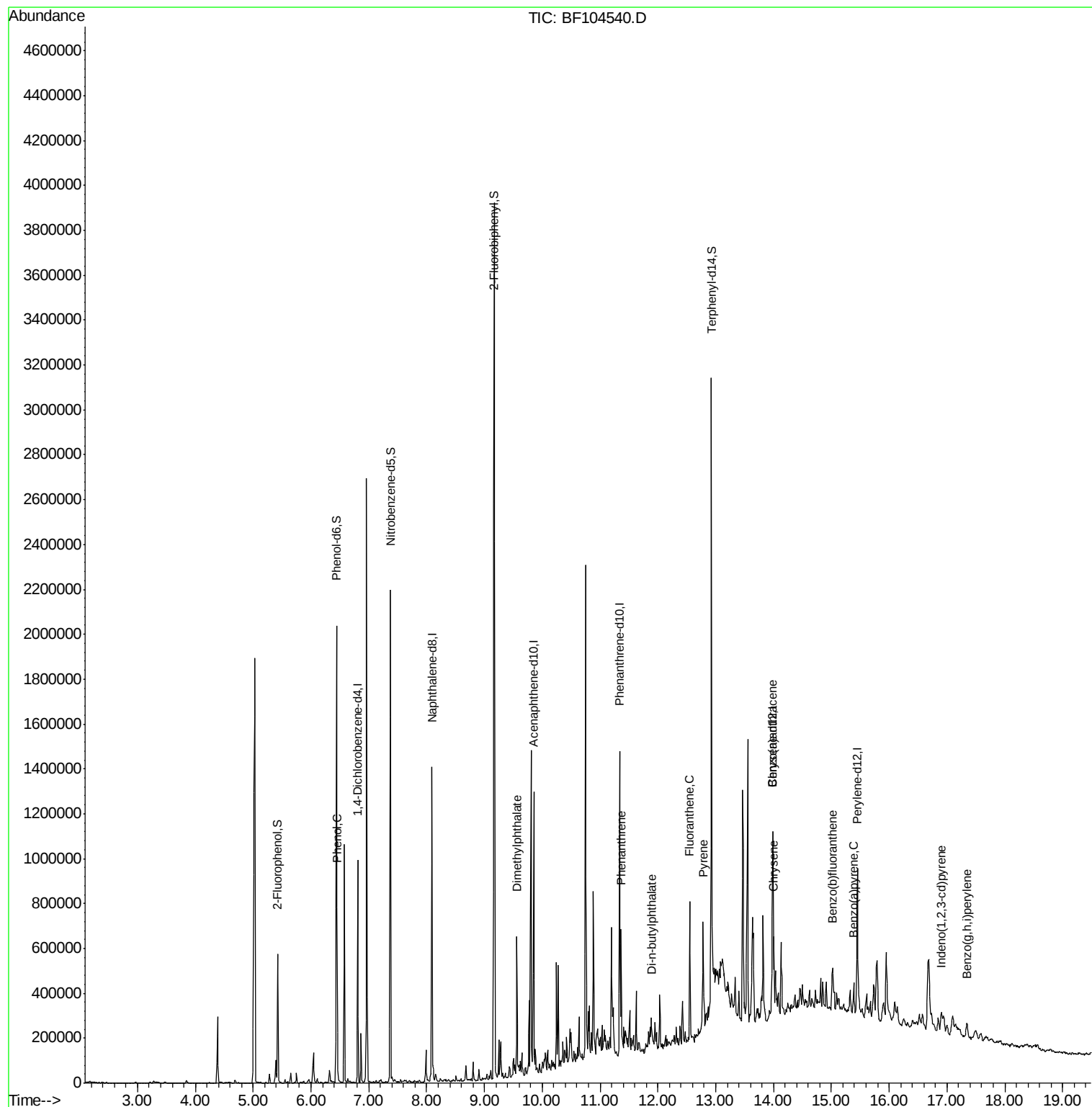
Data Path : Z:\HPCHEM1\BNA F\DATA\BF041618\
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ALS Vial : 5 Sample Multiplier: 1

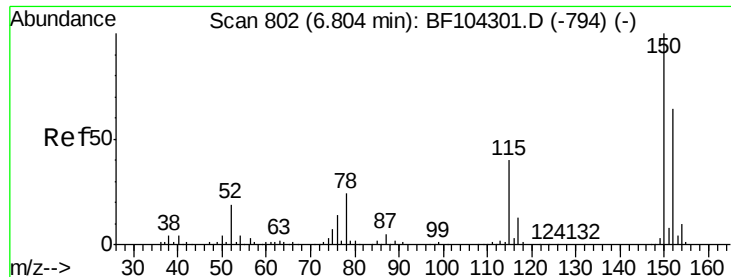
Instrument :
BNA_F
ClientSampleId :
1-1-2-DENSE-GRADE-AGG-RCA

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Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF040618.M
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#1

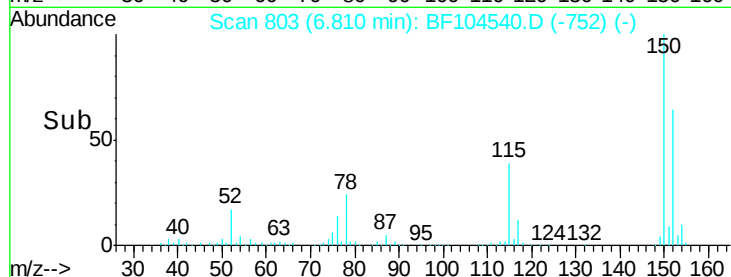
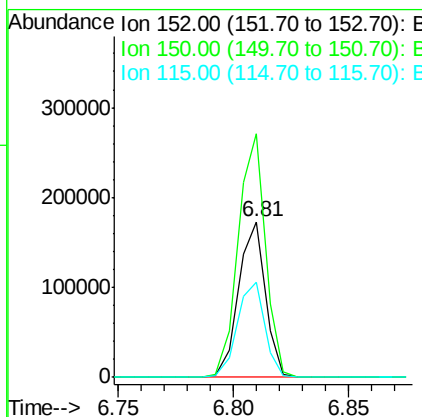
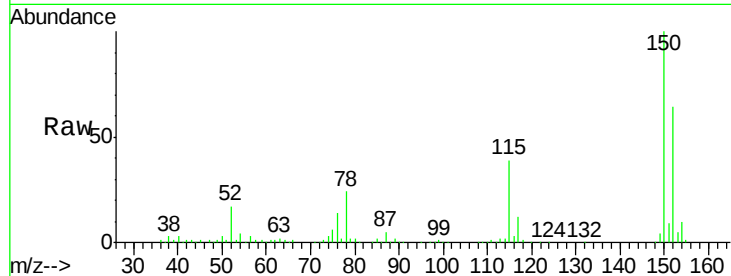
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.81 min Scan# 803
Delta R.T. -0.00 min
Lab File: BF104540.D
Acq: 16 Apr 2018 18:41

Instrument :
BNA_F
ClientSampleId :
1-1-2-DENSE-GRADE-AGG-RCA

Tot Ion	Ratio	Lower	Upper
152	100		
150	156.7	124.6	186.8
115	61.3	50.1	75.1

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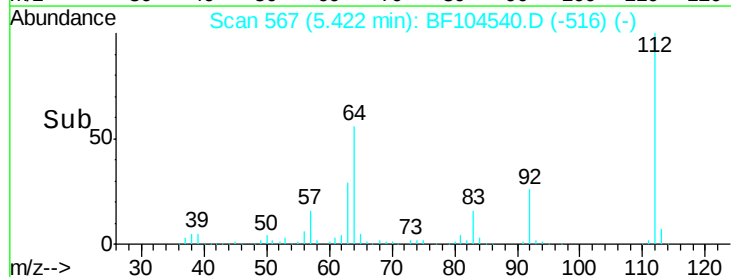
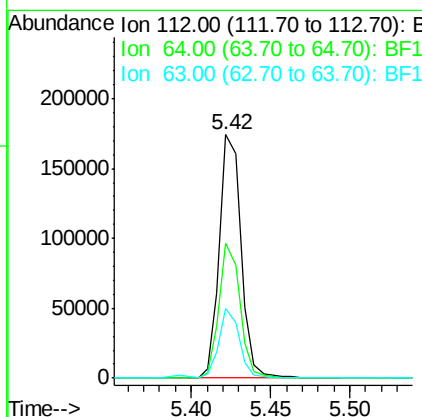
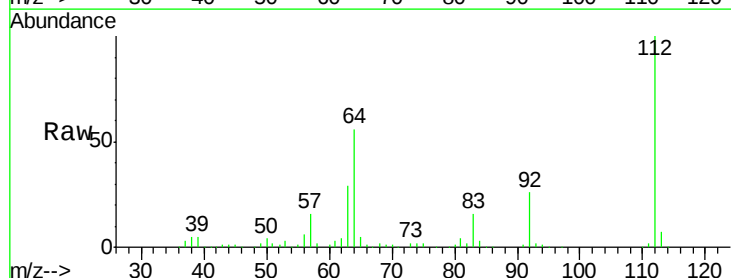
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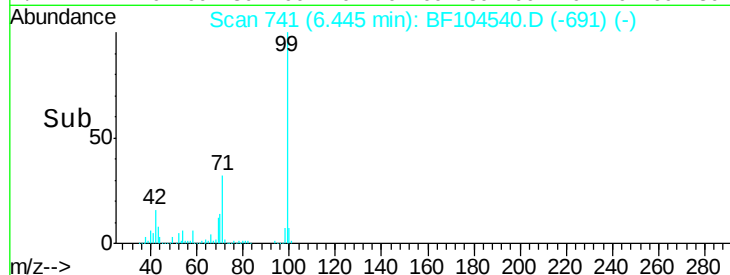
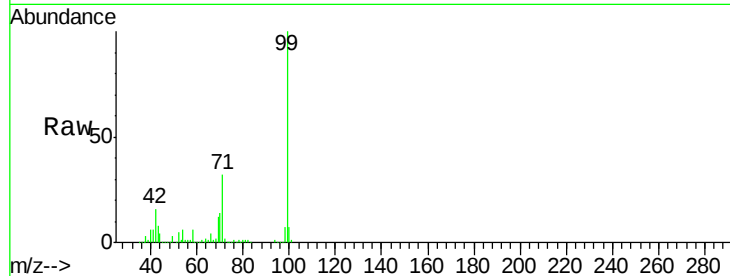
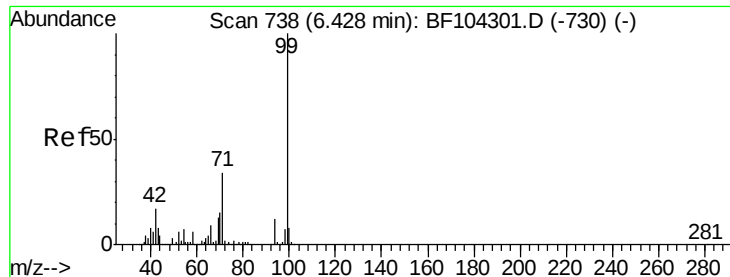


#5

2-Fluorophenol
Concen: 18.014 ng
RT: 5.42 min Scan# 567
Delta R.T. -0.00 min
Lab File: BF104540.D
Acq: 16 Apr 2018 18:41

Tgt Ion	Ratio	Lower	Upper
112	100		
64	55.5	47.9	71.9
63	28.7	23.7	35.5





#7

Phenol-d6

Concen: 63.818 ng

RT: 6.45 min Scan# 741

Delta R.T. -0.01 min

Lab File: BF104540.D

Acq: 16 Apr 2018 18:41

Tot Ion:	99	Resp:	723757
Ion	Ratio	Lower	Upper
99	100		
42	15.5	14.5	21.7
71	32.0	25.4	38.0

Instrument :

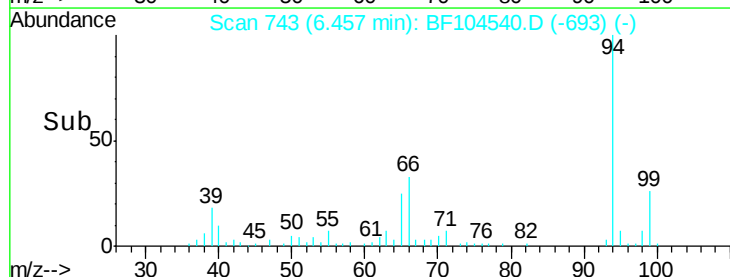
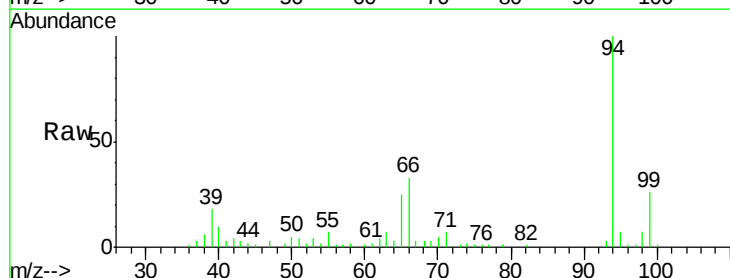
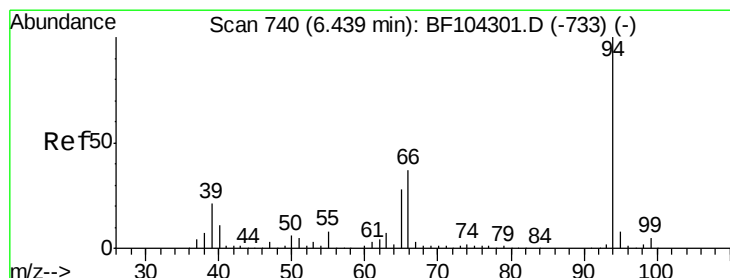
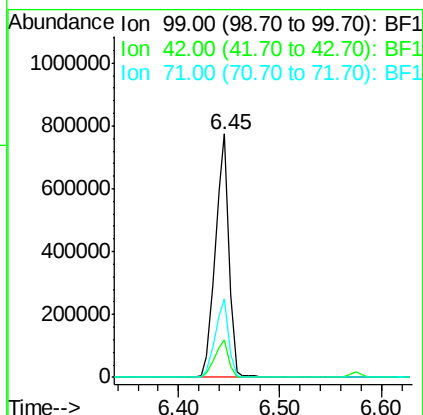
BNA_F

ClientSampleId :

1-1-2-DENSE-GRADE-AGG-RCA

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#10

Phenol

Concen: 3.898 ng

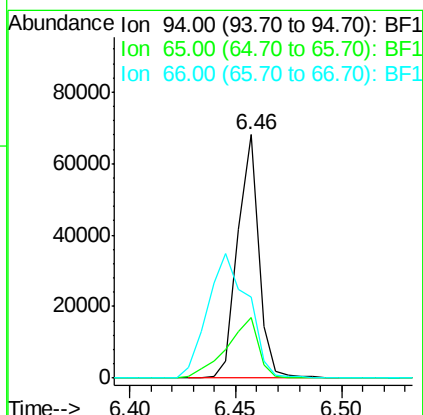
RT: 6.46 min Scan# 743

Delta R.T. -0.01 min

Lab File: BF104540.D

Acq: 16 Apr 2018 18:41

Tgt Ion:	94	Resp:	46908
Ion	Ratio	Lower	Upper
94	100		
65	25.1	7.9	47.9
66	33.4	16.2	56.2





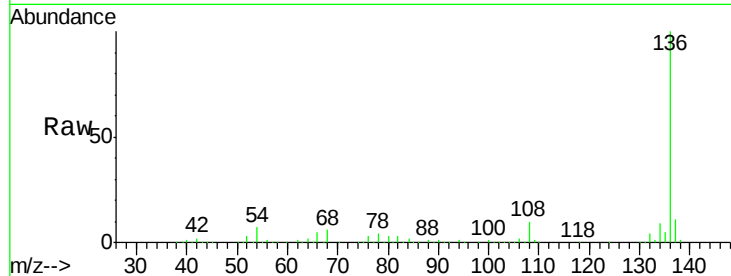
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.09 min Scan# 1021
Delta R.T. -0.00 min
Lab File: BF104540.D
Acq: 16 Apr 2018 18:41

Instrument :
BNA_F
ClientSampleId :
1-1-2-DENSE-GRADE-AGG-RCA

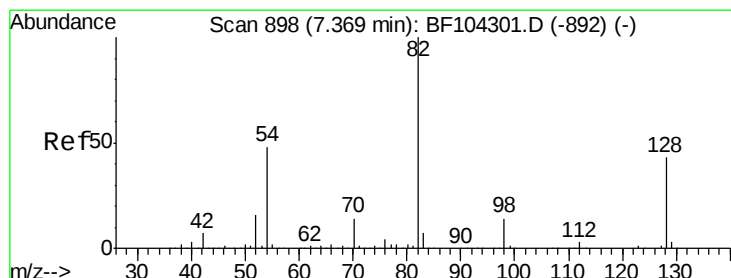
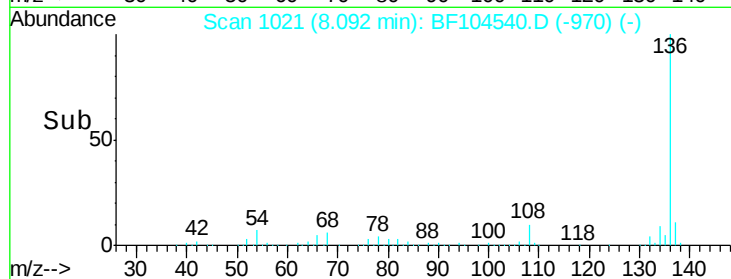
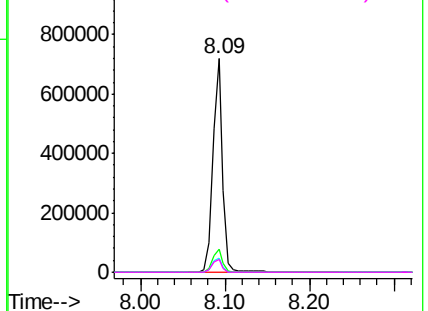
Tot Ion	Ratio	Resp	Lower	Upper
136	100			
137	10.7	8.9	13.3	
54	6.7	6.6	9.8	
68	6.1	5.0	7.4	

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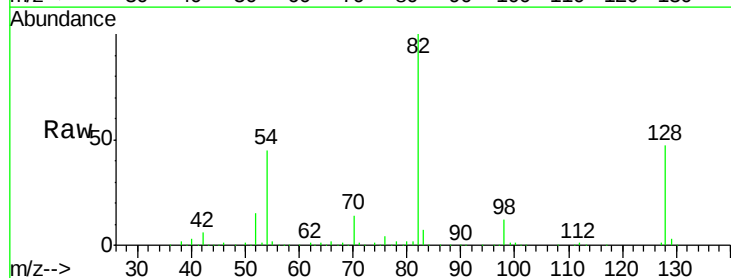


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF1
Ion 68.00 (67.70 to 68.70): BF1

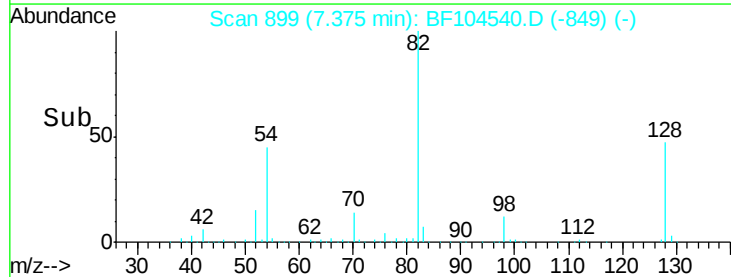
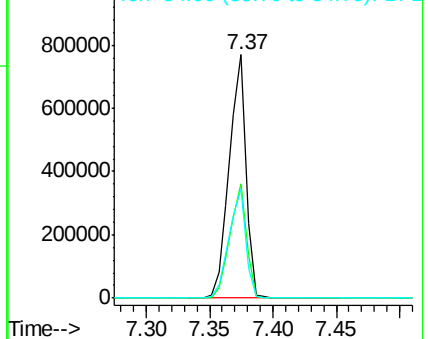


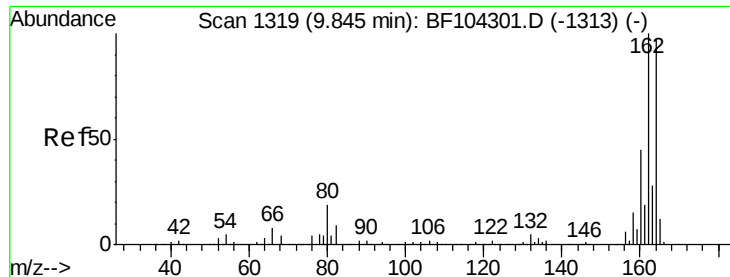
#23
Nitrobenzene-d5
Concen: 79.020 ng
RT: 7.37 min Scan# 899
Delta R.T. -0.01 min
Lab File: BF104540.D
Acq: 16 Apr 2018 18:41

Tgt Ion	Ratio	Resp	Lower	Upper
82	100			
128	47.2	36.1	54.1	
54	44.9	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: 9.85 min Scan# 1319

Delta R.T. -0.01 min

Lab File: BF104540.D

Acq: 16 Apr 2018 18:41

Instrument :

BNA_F

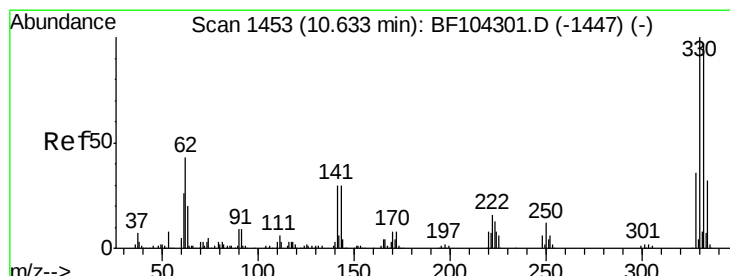
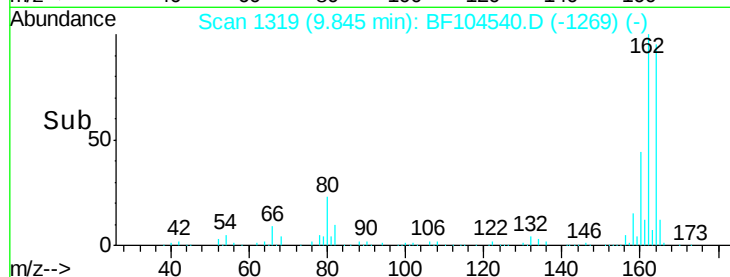
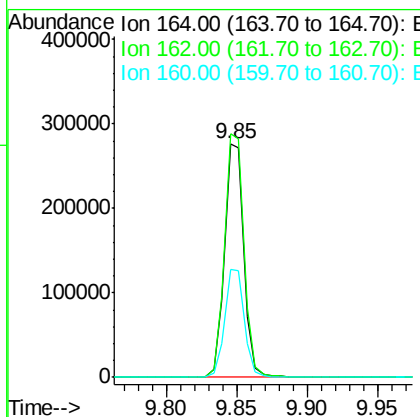
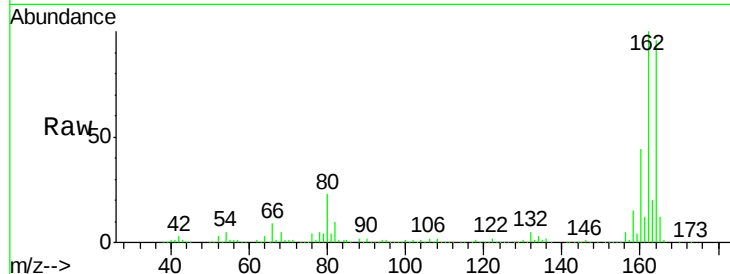
ClientSampleId :

1-1-2-DENSE-GRADE-AGG-RCA

Tot Ion:	164	Resp:	262182
Ion Ratio	Lower	Upper	
164	100		
162	104.2	86.1	129.1
160	46.0	38.3	57.5

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#41

2,4,6-Tribromophenol

Concen: 1.009 ng

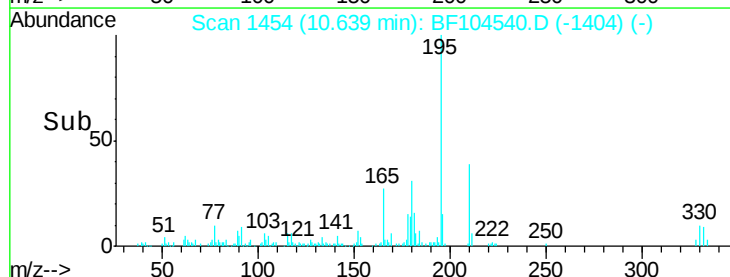
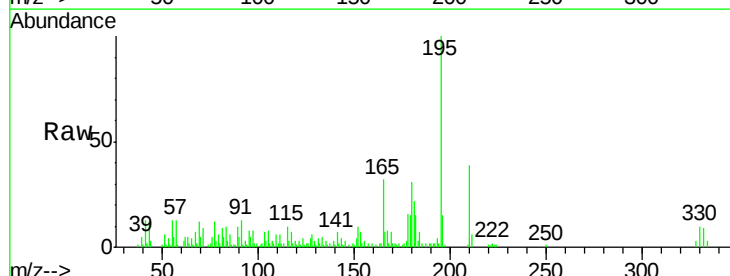
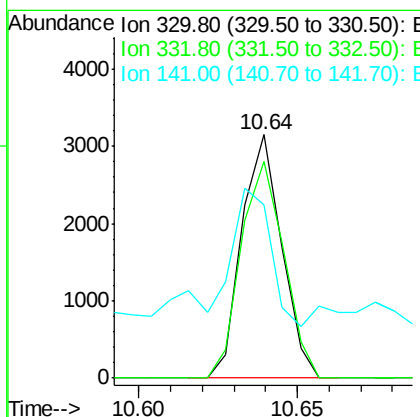
RT: 10.64 min Scan# 1454

Delta R.T. -0.01 min

Lab File: BF104540.D

Acq: 16 Apr 2018 18:41

Tgt Ion:	330	Resp:	2745
Ion Ratio	Lower	Upper	
330	100		
332	95.9	77.0	115.6
141	67.8	29.9	44.9#





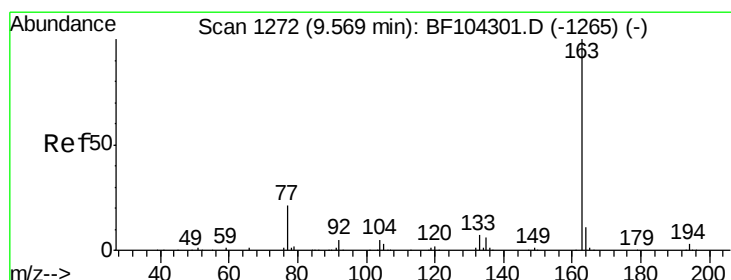
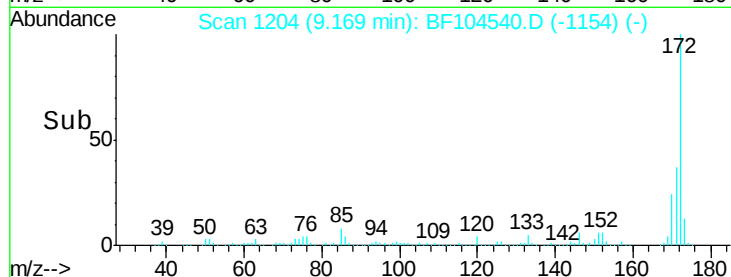
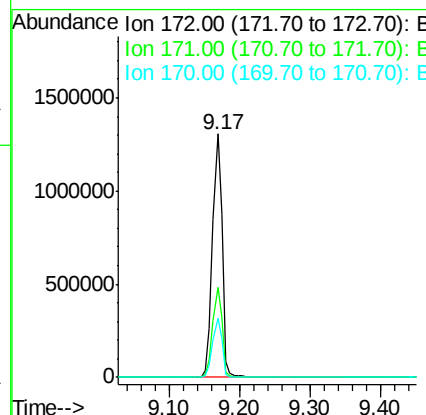
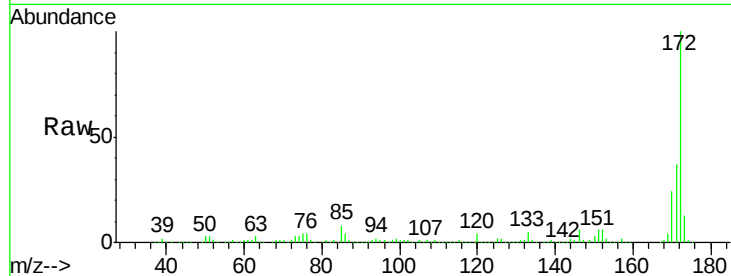
#44
2-Fluorobiphenyl
Concen: 74.327 ng
RT: 9.17 min Scan# 1204
Delta R.T. -0.01 min
Lab File: BF104540.D
Acq: 16 Apr 2018 18:41

Instrument :
BNA_F
ClientSampleId :
1-1-2-DENSE-GRADE-AGG-RCA

Tot Ion	Ratio	Lower	Upper
172	100		
171	36.9	29.7	44.5
170	24.4	19.6	29.4

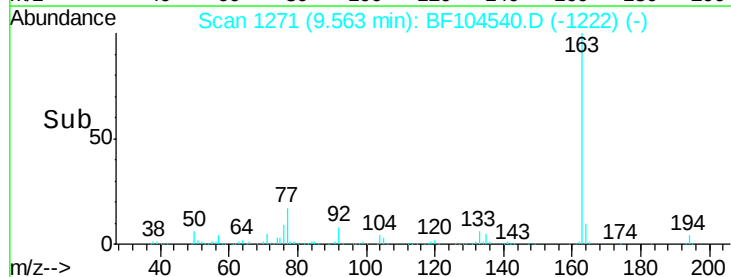
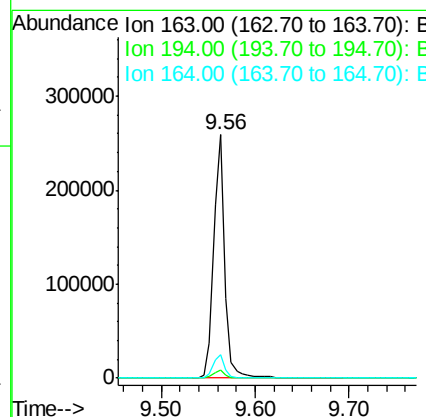
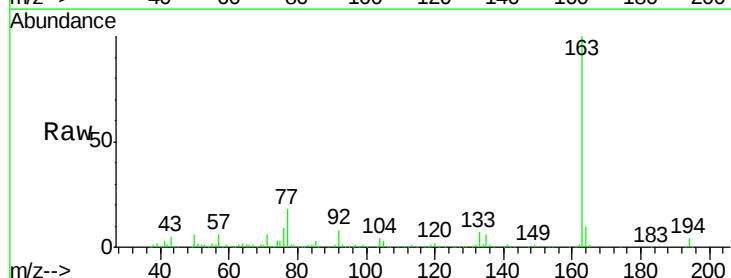
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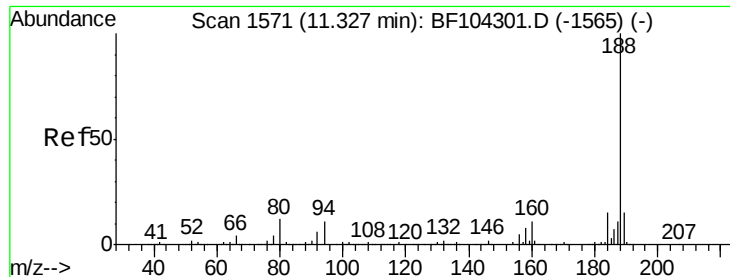
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#49
Dimethylphthalate
Concen: 10.454 ng
RT: 9.56 min Scan# 1271
Delta R.T. -0.01 min
Lab File: BF104540.D
Acq: 16 Apr 2018 18:41

Tgt Ion	Ratio	Lower	Upper
163	100		
194	3.5	2.7	4.1
164	9.8	8.2	12.2





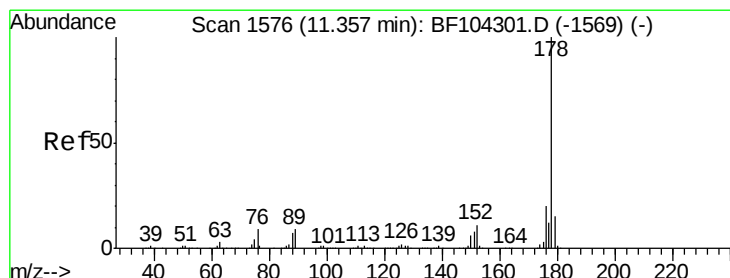
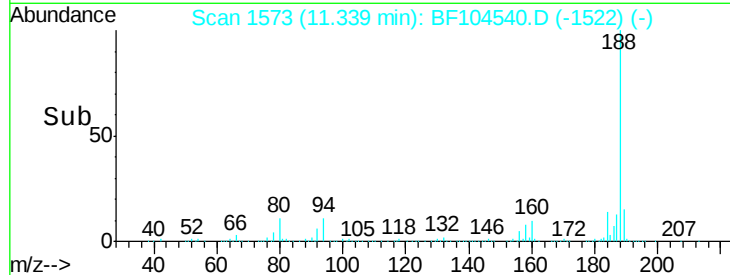
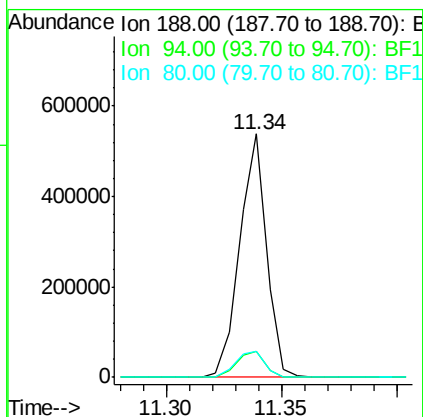
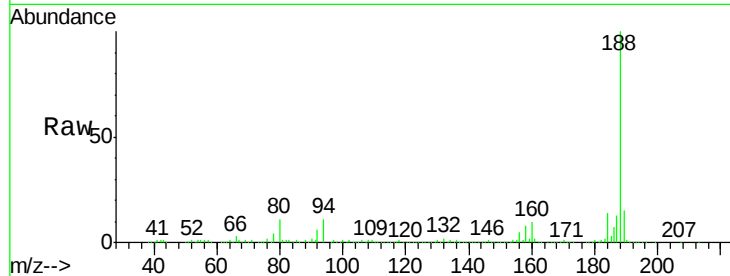
#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.34 min Scan# 1573
Delta R.T. -0.00 min
Lab File: BF104540.D
Acq: 16 Apr 2018 18:41

Instrument :
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1-1-2-DENSE-GRADE-AGG-RCA

Tot Ion:	188	Resp:	436934
Ion Ratio	Lower	Upper	
188	100		
94	10.8	8.5	12.7
80	11.0	9.2	13.8

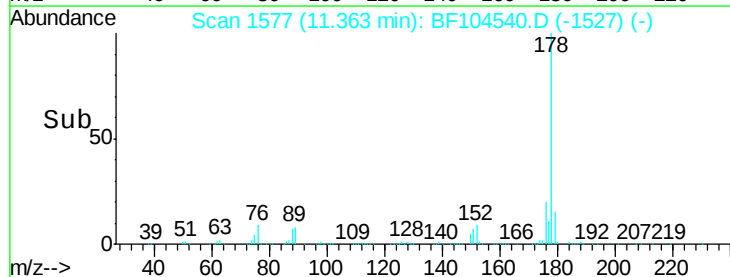
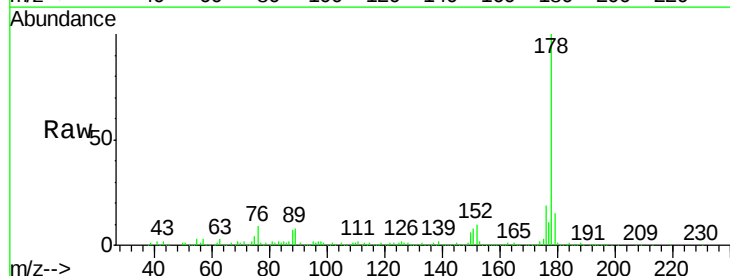
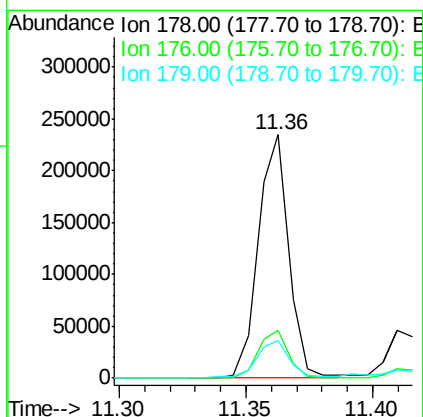
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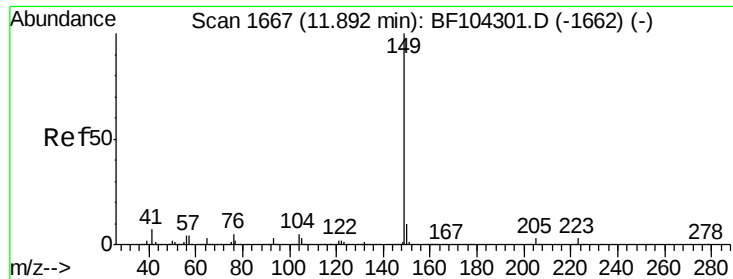
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#70
Phenanthrene
Concen: 8.055 ng
RT: 11.36 min Scan# 1577
Delta R.T. -0.01 min
Lab File: BF104540.D
Acq: 16 Apr 2018 18:41

Tgt Ion:	178	Resp:	196001
Ion Ratio	Lower	Upper	
178	100		
176	19.5	15.8	23.8
179	15.3	13.0	19.6





#73

Di-n-butylphthalate

Concen: 2.048 ng

RT: 11.90 min Scan# 1668

Delta R.T. -0.01 min

Lab File: BF104540.D

Acq: 16 Apr 2018 18:41

Instrument :

BNA_F

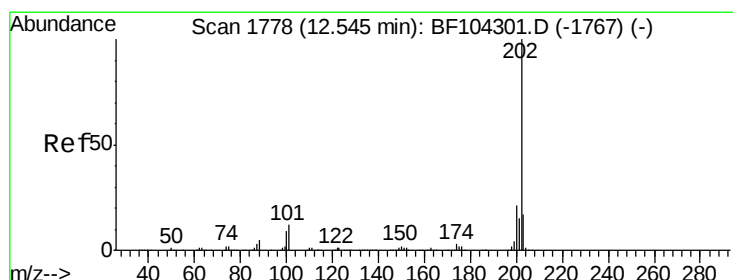
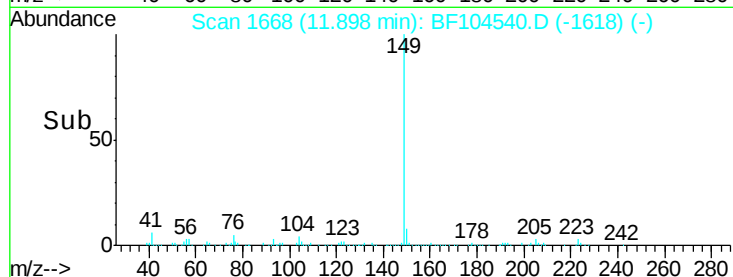
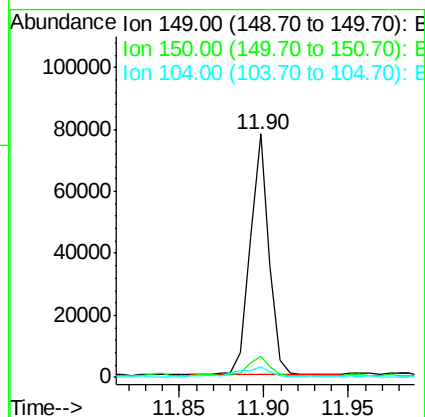
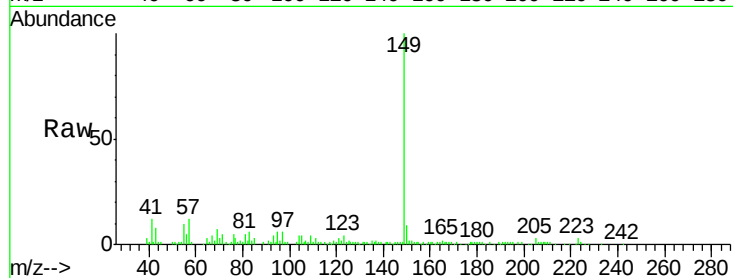
ClientSampleId :

1-1-2-DENSE-GRADE-AGG-RCA

Tot Ion:	149	Resp:	60462
Ion Ratio	Lower	Upper	
149	100		
150	8.8	7.8	11.6
104	4.3	3.8	5.8

Manual Integrations
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#74

Fluoranthene

Concen: 7.754 ng

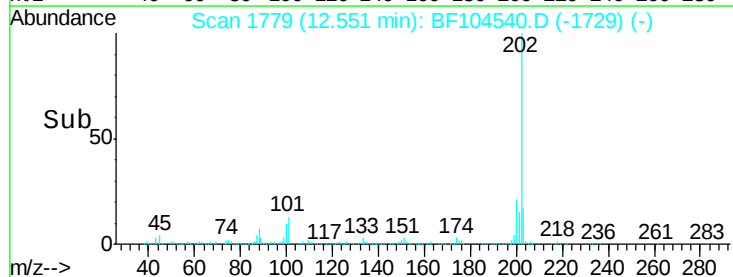
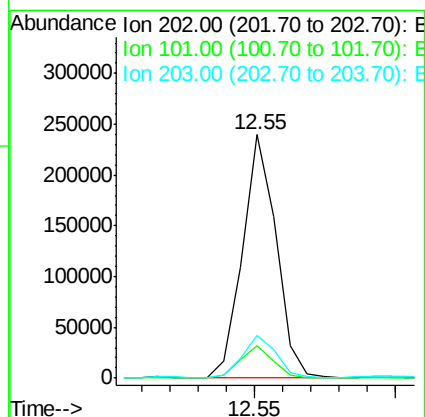
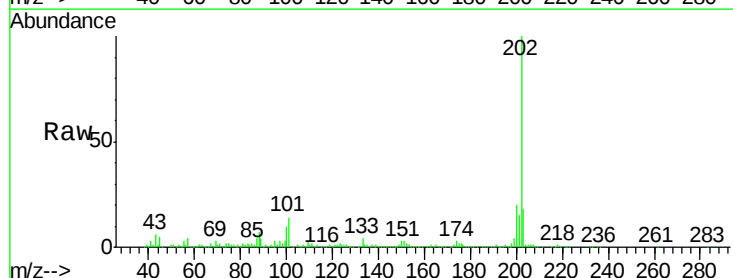
RT: 12.55 min Scan# 1779

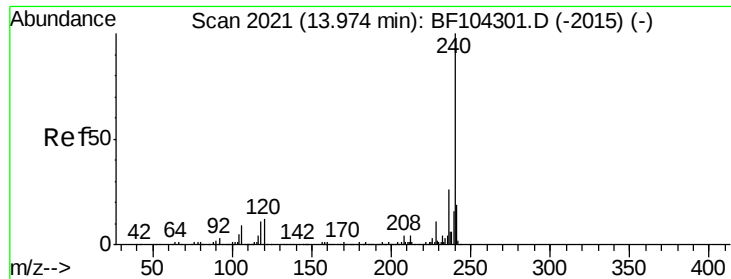
Delta R.T. -0.01 min

Lab File: BF104540.D

Acq: 16 Apr 2018 18:41

Tgt Ion:	202	Resp:	197128
Ion Ratio	Lower	Upper	
202	100		
101	13.5	0.0	34.1
203	17.6	0.0	38.1





#75

Chrysene-d12

Concen: 20.000 ng

RT: 13.99 min Scan# 2023

Delta R.T. -0.01 min

Lab File: BF104540.D

Acq: 16 Apr 2018 18:41

Instrument :

BNA_F

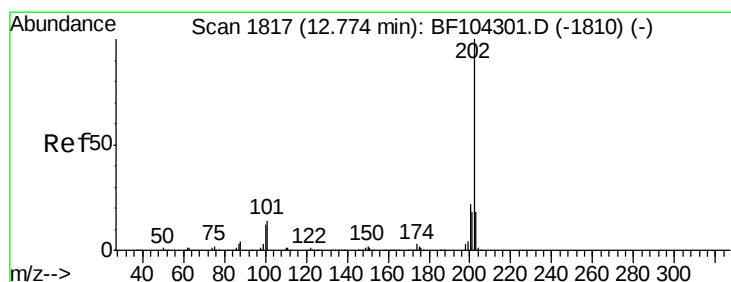
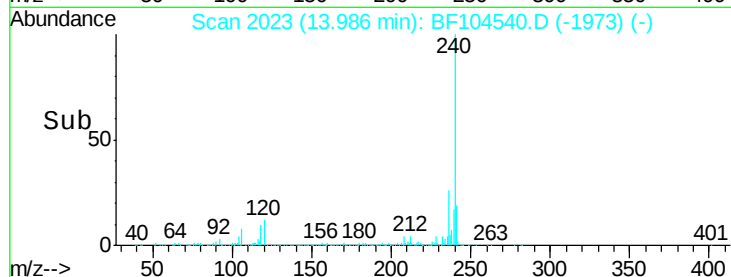
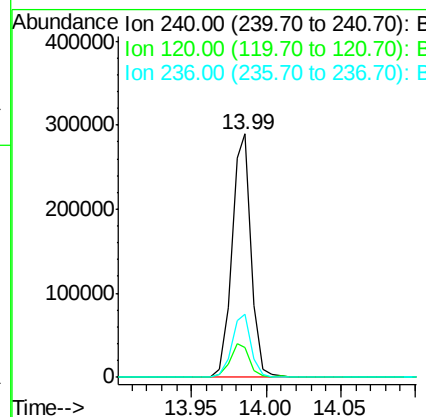
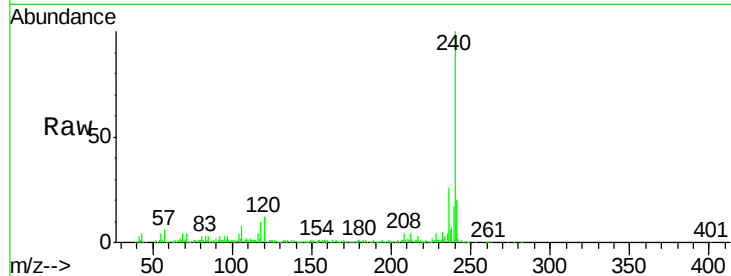
ClientSampleId :

1-1-2-DENSE-GRADE-AGG-RCA

Tot Ion:	240	Resp:	264807
Ion Ratio	Lower	Upper	
240	100		
120	12.1	9.5	14.3
236	26.1	20.7	31.1

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#77

Pyrene

Concen: 9.066 ng

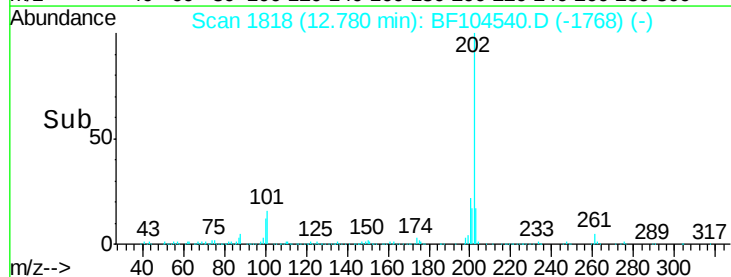
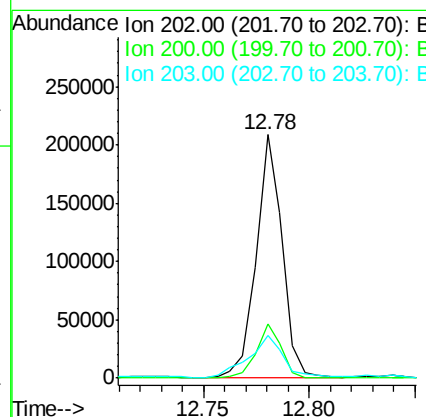
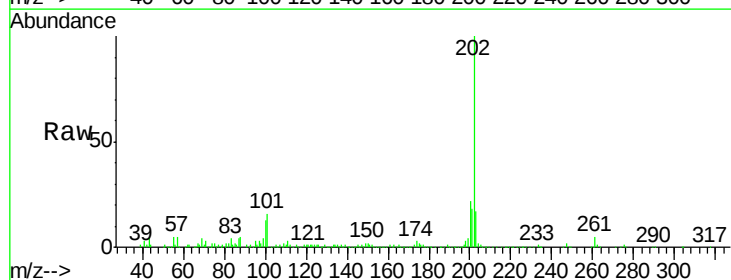
RT: 12.78 min Scan# 1818

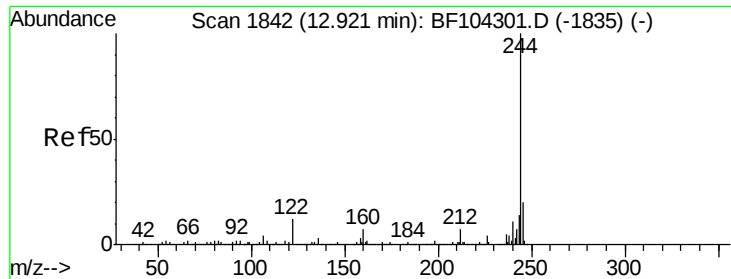
Delta R.T. -0.01 min

Lab File: BF104540.D

Acq: 16 Apr 2018 18:41

Tgt Ion:	202	Resp:	177948
Ion Ratio	Lower	Upper	
202	100		
200	22.3	17.4	26.2
203	17.4	14.3	21.5





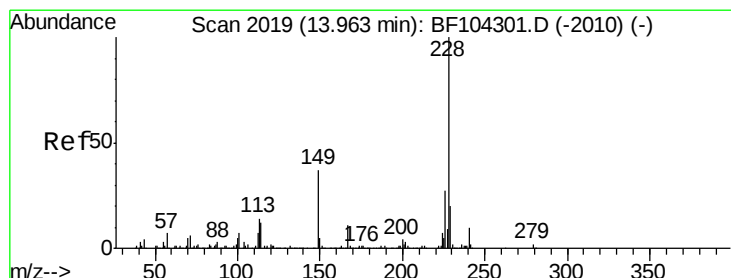
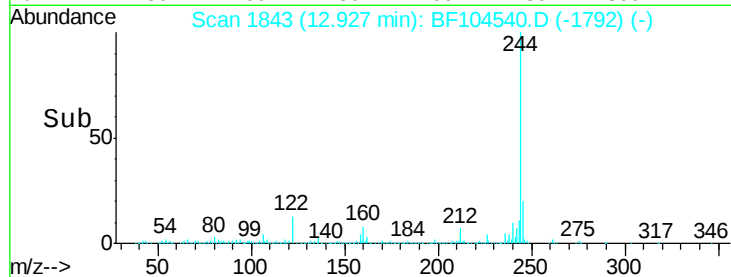
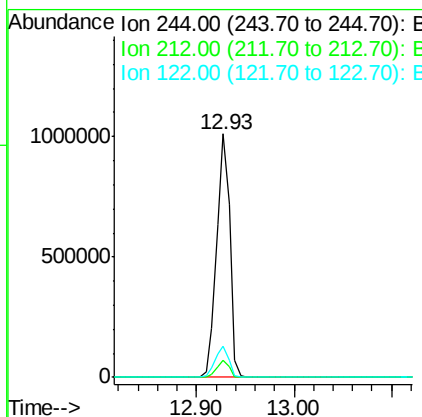
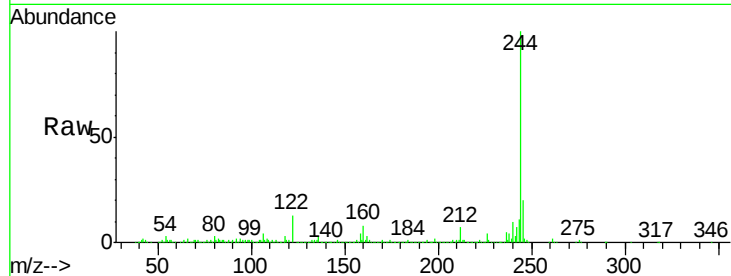
#78
 Terphenyl-d14
 Concen: 81.823 ng
 RT: 12.93 min Scan# 1843
 Delta R.T. -0.00 min
 Lab File: BF104540.D
 Acq: 16 Apr 2018 18:41

Instrument :
 BNA_F
 ClientSampleId :
 1-1-2-DENSE-GRADE-AGG-RCA

Tot Ion	Ratio	Lower	Upper
244	100		
212	6.9	5.4	8.0
122	12.8	11.0	16.4

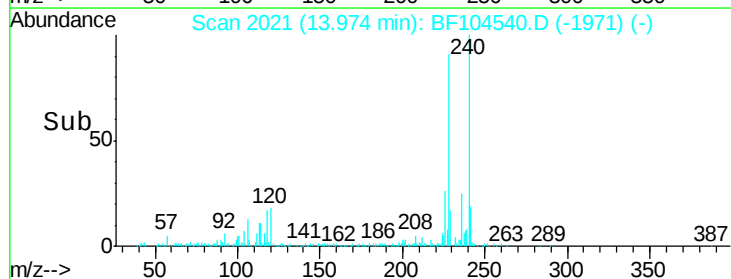
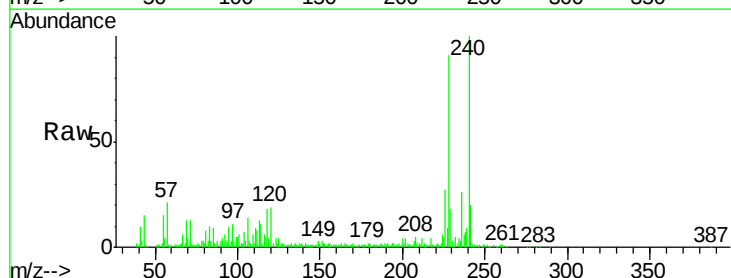
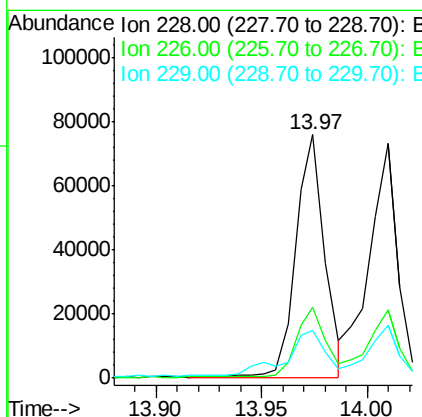
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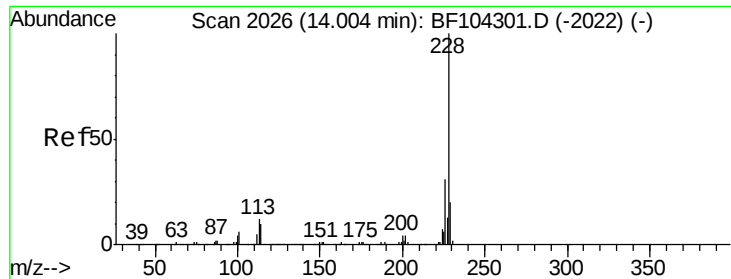
Sohil
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#80
 Benzo(a)anthracene
 Concen: 4.519 ng
 RT: 13.97 min Scan# 2021
 Delta R.T. -0.01 min
 Lab File: BF104540.D
 Acq: 16 Apr 2018 18:41

Tgt Ion	Ratio	Lower	Upper
228	100		
226	29.1	22.6	33.8
229	19.7	15.8	23.6





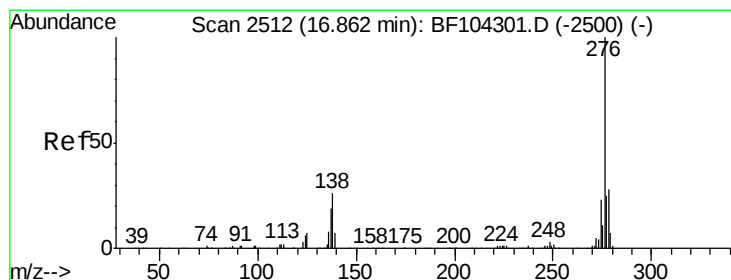
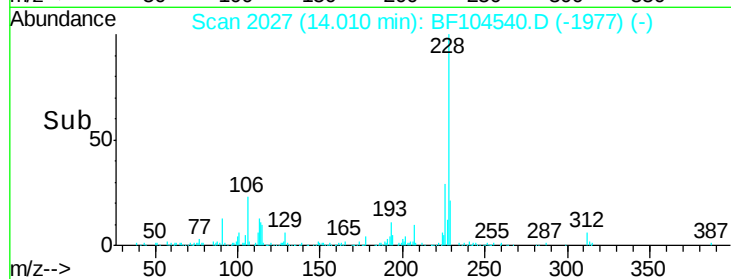
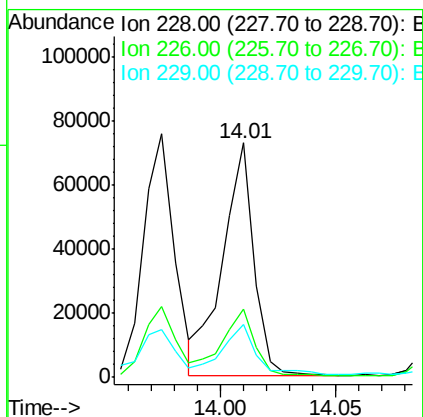
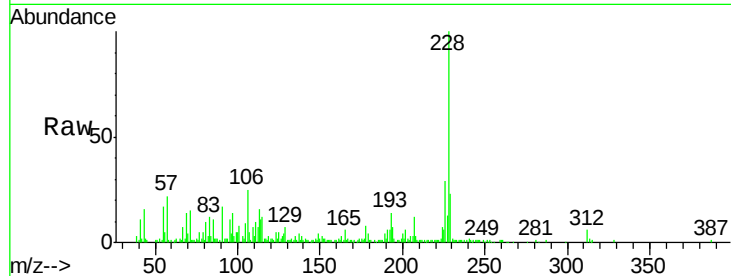
#82
Chrysene
Concen: 4.241 ng
RT: 14.01 min Scan# 2027
Delta R.T. -0.01 min
Lab File: BF104540.D
Acq: 16 Apr 2018 18:41

Instrument :
BNA_F
ClientSampleId :
1-1-2-DENSE-GRADE-AGG-RCA

Tot Ion:228	Resp:	68914
Ion Ratio	Lower	Upper
228 100		
226 29.2	25.0	37.6
229 22.6	16.2	24.4

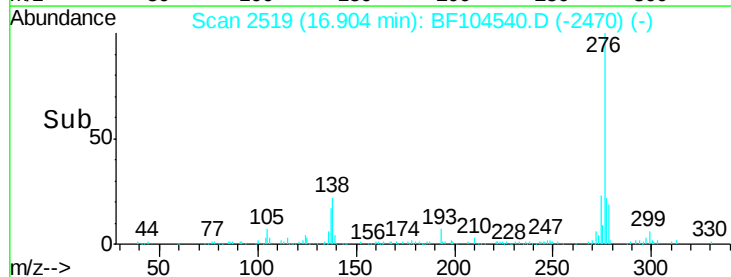
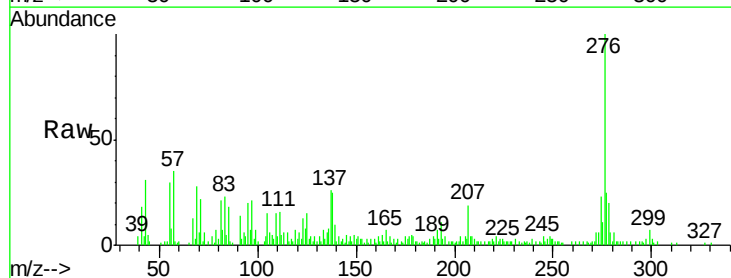
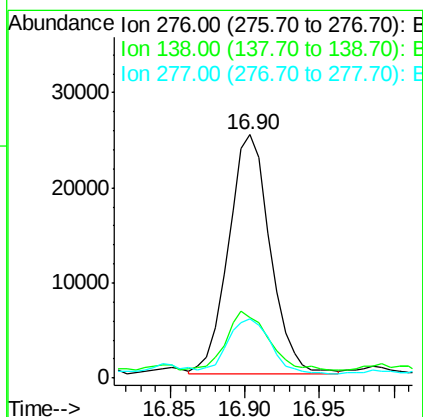
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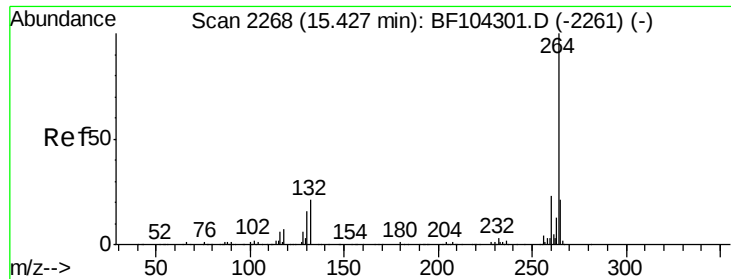
Sohil
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#85
Indeno(1,2,3-cd)pyrene
Concen: 3.579 ng
RT: 16.90 min Scan# 2519
Delta R.T. -0.01 min
Lab File: BF104540.D
Acq: 16 Apr 2018 18:41

Tgt Ion:276	Resp:	49407
Ion Ratio	Lower	Upper
276 100		
138 26.2	25.0	37.6
277 23.6	20.1	30.1





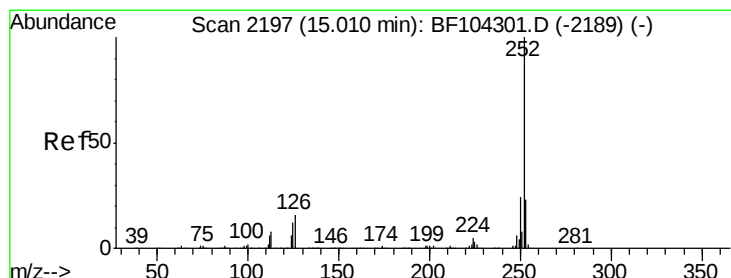
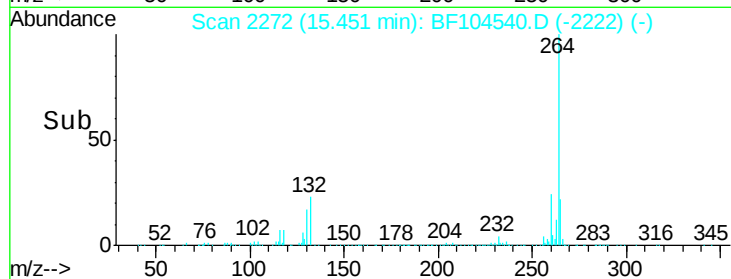
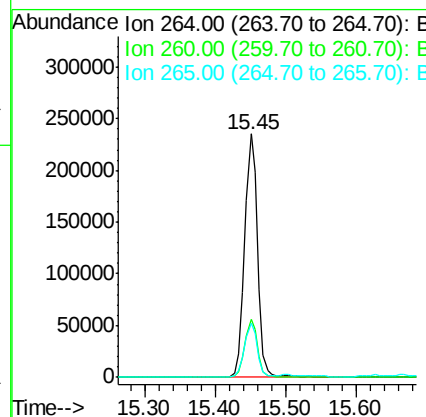
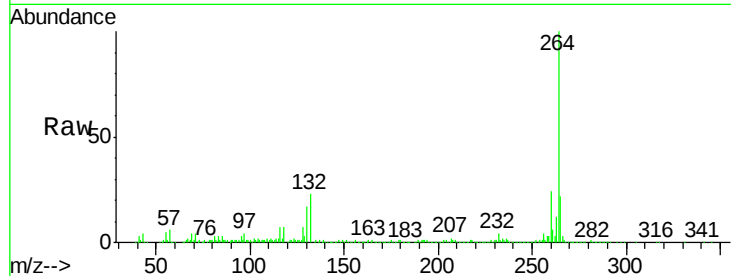
#86
Pervlene-d12
Concen: 20.000 ng
RT: 15.45 min Scan# 2272
Delta R.T. -0.01 min
Lab File: BF104540.D
Acq: 16 Apr 2018 18:41

Instrument :
BNA_F
ClientSampleId :
1-1-2-DENSE-GRADE-AGG-RCA

Tot Ion	Ratio	Resp	Lower	Upper
264	100	299788		
260	24.0	19.2	28.8	
265	22.3	17.5	26.3	

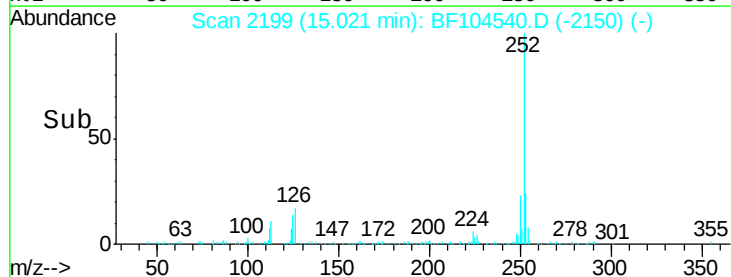
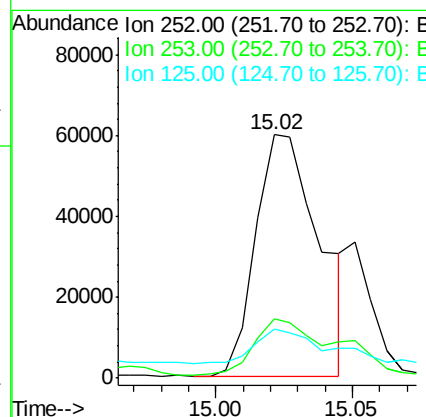
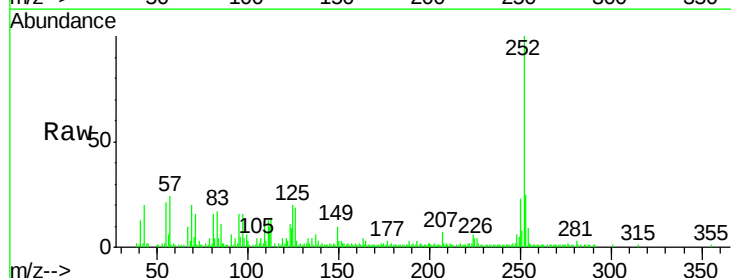
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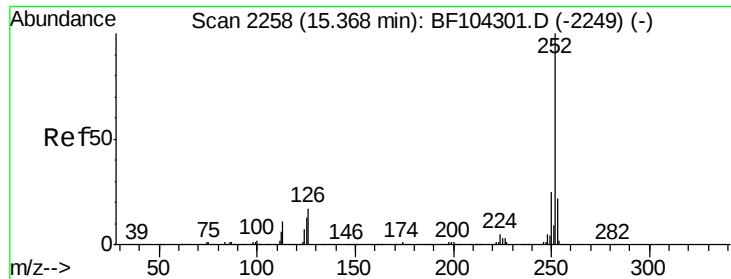
Sohil
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#87
Benzo(b)fluoranthene
Concen: 5.149 ng m
RT: 15.02 min Scan# 2199
Delta R.T. -0.01 min
Lab File: BF104540.D
Acq: 16 Apr 2018 18:41

Tgt Ion	Ratio	Resp	Lower	Upper
252	100	97484		
253	24.6	17.0	25.6	
125	20.2	9.0	13.6	





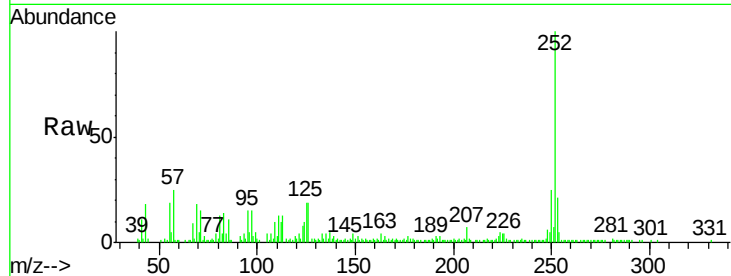
#89
Benzo(a)pyrene
Concen: 3.988 ng
RT: 15.39 min Scan# 2261
Delta R.T. -0.01 min
Lab File: BF104540.D
Acq: 16 Apr 2018 18:41

Instrument :
BNA_F
ClientSampleId :
1-1-2-DENSE-GRADE-AGG-RCA

Tot Ion	Ratio	Resp	Lower	Upper
252	100			
253	21.3	17.1	25.7	
125	18.5	9.8	14.6	

Manual Integrations
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Sohil
4/17/2018 10:08:59 AM

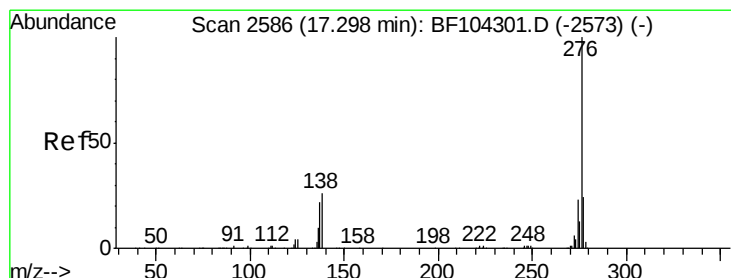
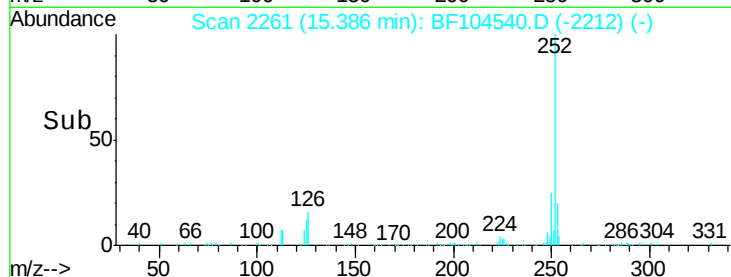
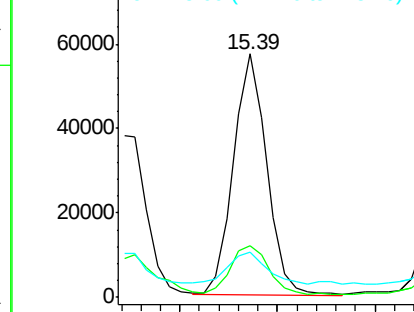


Abundance

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: 3.630 ng
RT: 17.34 min Scan# 2593
Delta R.T. -0.02 min
Lab File: BF104540.D
Acq: 16 Apr 2018 18:41

Tgt Ion	Ratio	Resp	Lower	Upper
276	100			
277	24.6	17.9	26.9	
138	26.7	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

