

Data Path : Z:\HPCHEM1\BNA F\DATA\BF041318\
 Data File : BF104488.D
 Acq On : 13 Apr 2018 19:34
 Operator : JU/SJ
 Sample : J2348-07 2X
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 275

Manual Integrations
 APPROVED

Sohil
 4/16/2018 3:10:22 PM

Quant Time: Apr 13 23:31:37 2018
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF040618.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Apr 13 17:38:31 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.81	152	124332	20.00	ng	0.00
21) Naphthalene-d8	8.09	136	502743	20.00	ng	0.00
38) Acenaphthene-d10	9.85	164	219646	20.00	ng	0.00
63) Phenanthrene-d10	11.34	188	347516	20.00	ng	0.00
75) Chrysene-d12	13.99	240	245019	20.00	ng	0.00
86) Perylene-d12	15.44	264	202508	20.00	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.42	112	362648	44.60	ng	0.00
7) Phenol-d6	6.43	99	440485	44.09	ng	-0.01
23) Nitrobenzene-d5	7.37	82	259525	33.71	ng	-0.01
41) 2,4,6-Tribromophenol	10.64	330	89938	39.47	ng	0.00
44) 2-Fluorobiphenyl	9.17	172	488693	35.15	ng	0.00
78) Terphenyl-d14	12.93	244	370760	34.50	ng	0.00
Target Compounds						
37) 2-Methylnaphthalene	8.80	142	57750	3.566	ng	96
49) Dimethylphthalate	9.56	163	75376	4.352	ng	100
70) Phenanthrene	11.36	178	183925	9.504	ng	98
71) Anthracene	11.41	178	45391	2.307	ng	99
74) Fluoranthene	12.55	202	249924	12.360	ng	98
77) Pyrene	12.78	202	212155	11.681	ng	100
80) Benzo(a)anthracene	13.97	228	104261	7.123	ng	98
82) Chrysene	14.01	228	96463	6.416	ng	97
85) Indeno(1,2,3-cd)pyrene	16.90	276	40255	3.152	ng	# 89
87) Benzo(b)fluoranthene	15.02	252	104811m	8.195	ng	
88) Benzo(k)fluoranthene	15.04	252	33825m	2.801	ng	
89) Benzo(a)pyrene	15.38	252	70751	6.182	ng	# 95
91) Benzo(a,h,i)perylene	17.33	276	34760	3.817	ng	# 90

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

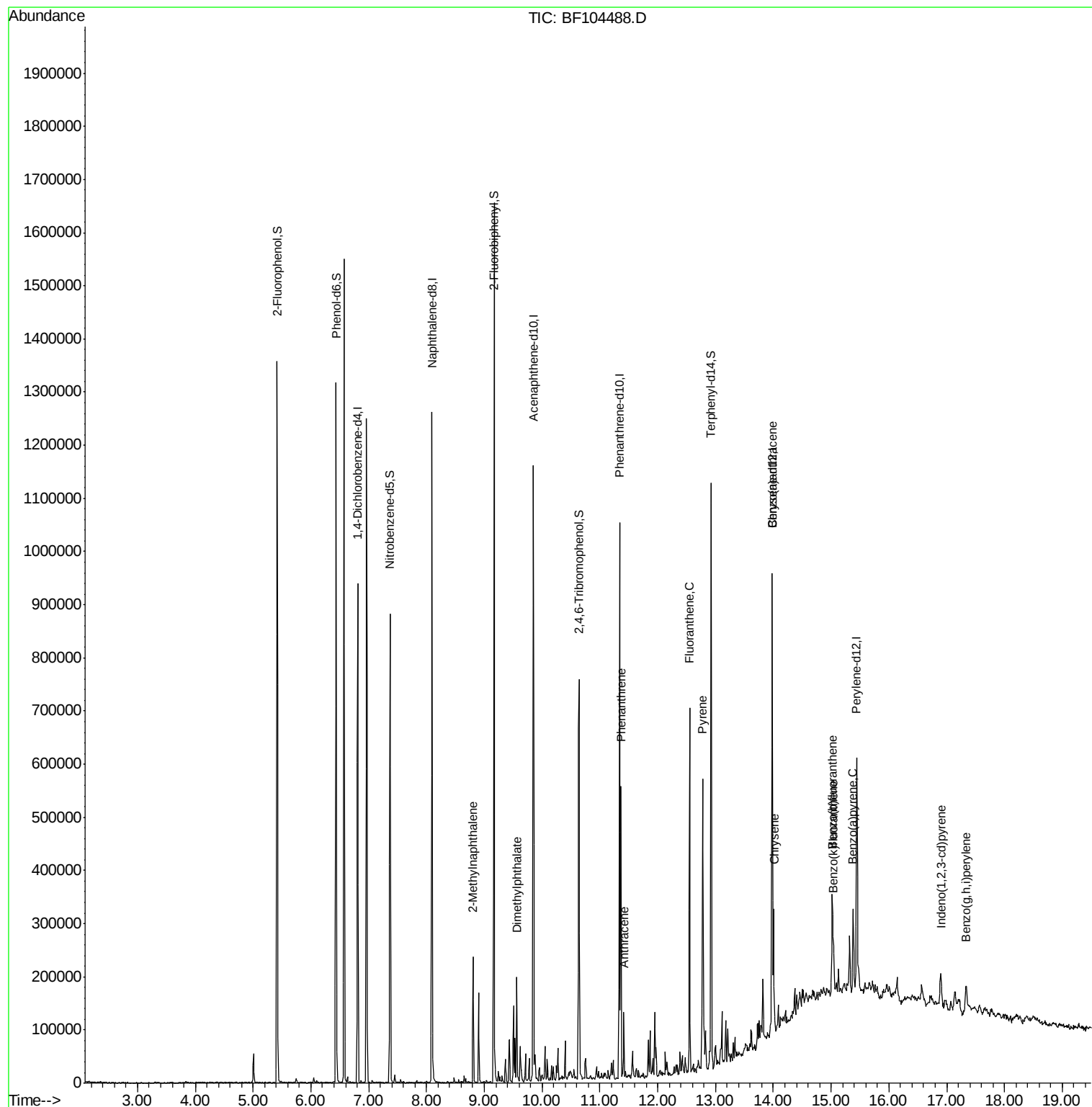
Data Path : Z:\HPCHEM1\BNA F\DATA\BF041318\
Data File : BF104488.D
Acq On : 13 Apr 2018 19:34
Operator : JU/SJ
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Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampled :
275

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

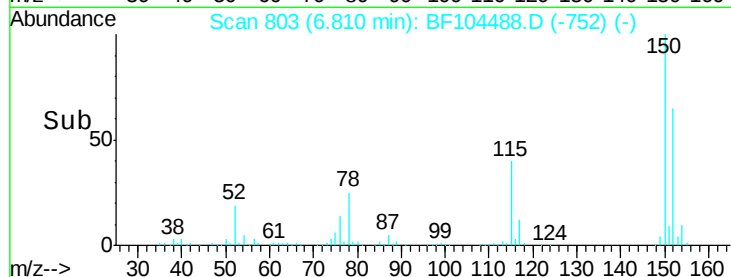
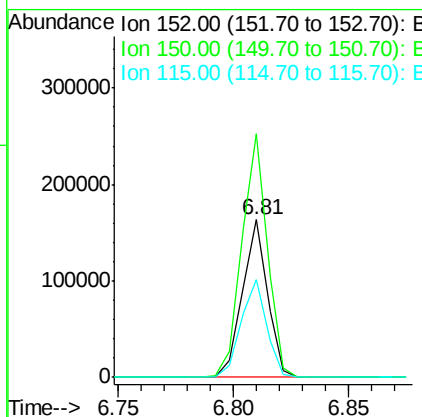
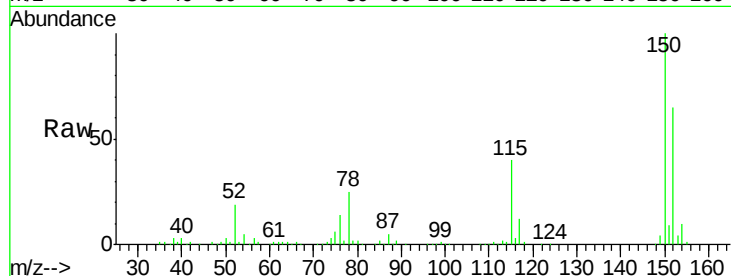
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.81 min Scan# 803
Delta R.T. -0.00 min
Lab File: BF104488.D
Acq: 13 Apr 2018 19:34

Instrument :
BNA_F
ClientSampleId :
275

Tot Ion	Ratio	Lower	Upper
152	100		
150	154.8	124.6	186.8
115	62.0	50.1	75.1

Manual Integrations
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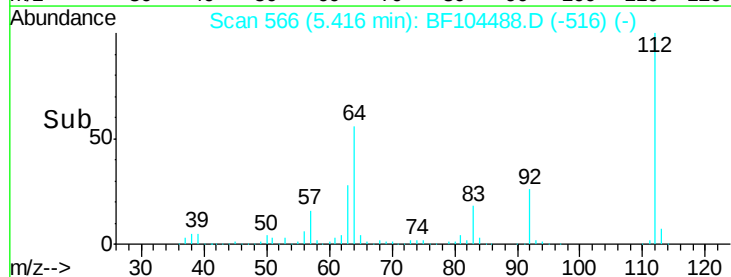
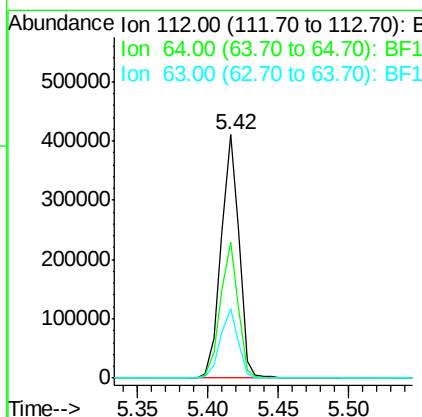
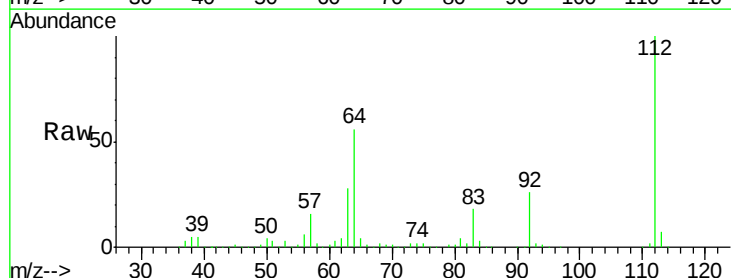
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#5

2-Fluorophenol
Concen: 44.599 ng
RT: 5.42 min Scan# 566
Delta R.T. -0.01 min
Lab File: BF104488.D
Acq: 13 Apr 2018 19:34

Tgt Ion	Ratio	Lower	Upper
112	100		
64	56.0	47.9	71.9
63	28.3	23.7	35.5





#7

Phenol-d6

Concen: 44.089 ng

RT: 6.43 min Scan# 739

Delta R.T. -0.01 min

Lab File: BF104488.D

Acq: 13 Apr 2018 19:34

Instrument :

BNA_F

ClientSampleId :

275

Tot Ion: 99 Resp: 440485

Ion Ratio Lower Upper

99 100

42 16.1 14.5 21.7

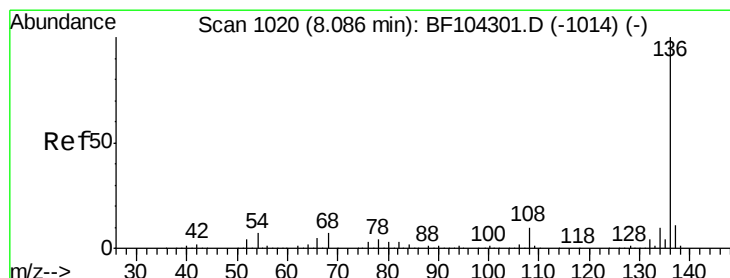
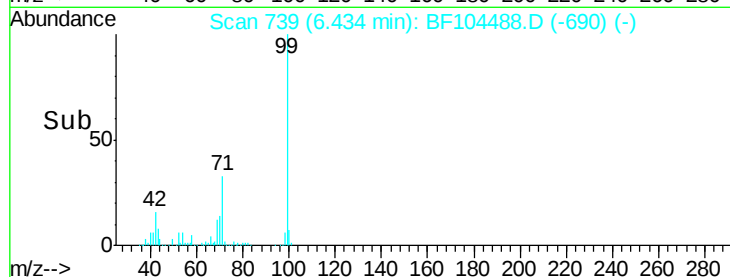
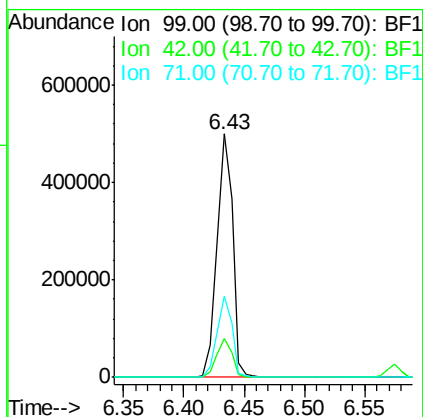
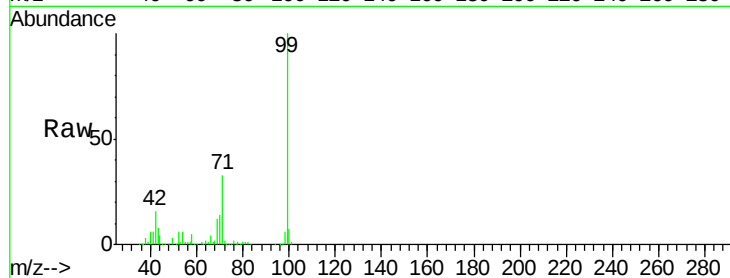
71 33.2 25.4 38.0

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#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.09 min Scan# 1021

Delta R.T. -0.01 min

Lab File: BF104488.D

Acq: 13 Apr 2018 19:34

Tgt Ion: 136 Resp: 502743

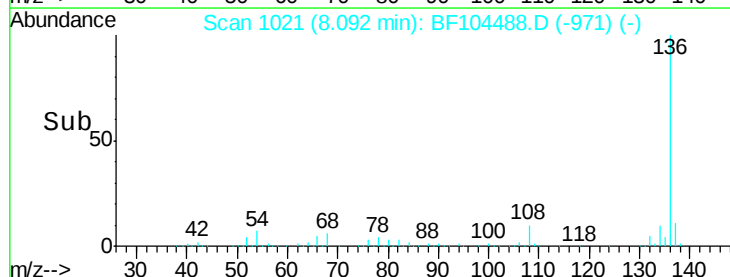
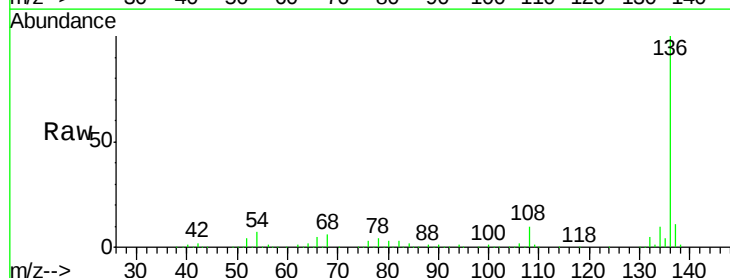
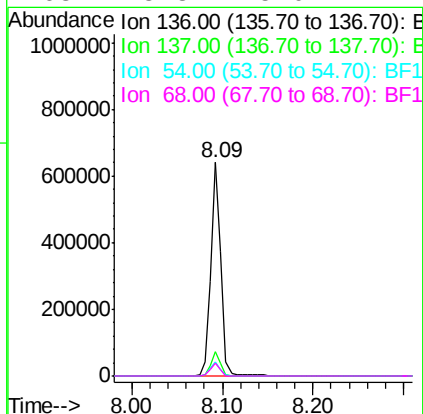
Ion Ratio Lower Upper

136 100

137 11.2 8.9 13.3

54 6.8 6.6 9.8

68 5.8 5.0 7.4





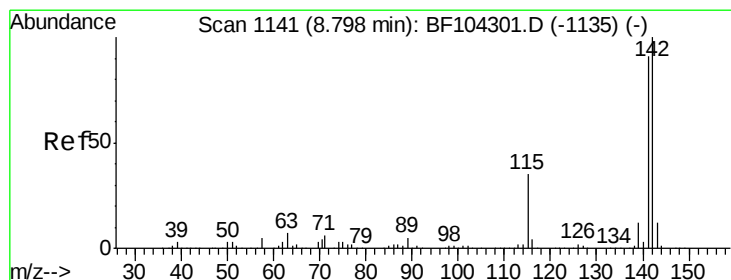
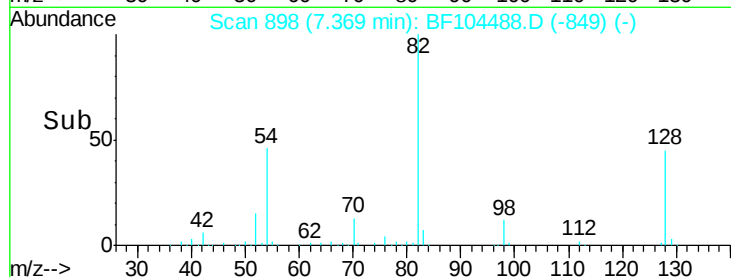
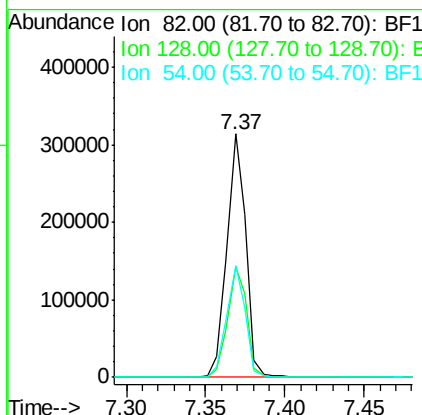
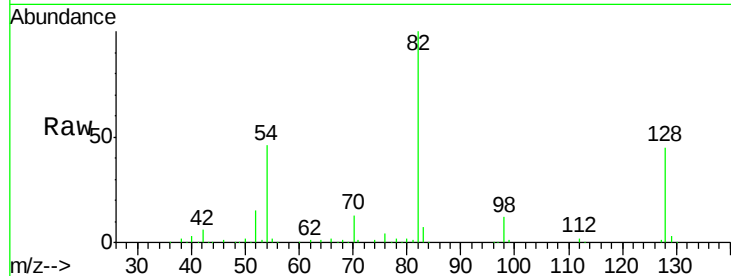
#23
 Nitrobenzene-d5
 Concen: 33.708 ng
 RT: 7.37 min Scan# 898
 Delta R.T. -0.01 min
 Lab File: BF104488.D
 Acq: 13 Apr 2018 19:34

Instrument :
 BNA_F
 ClientSampled :
 275

Tot Ion	Ratio	Resp	Lower	Upper
82	100	259525		
128	45.2		36.1	54.1
54	45.8		41.4	62.2

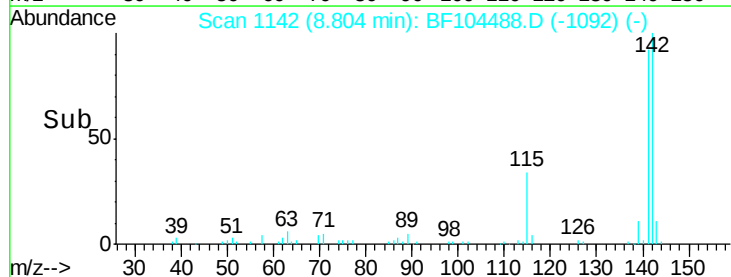
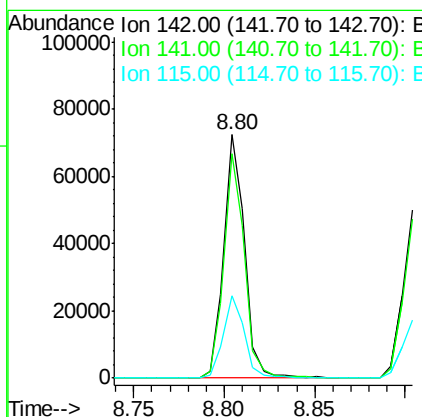
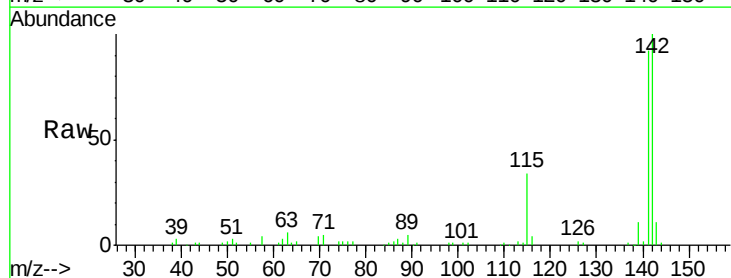
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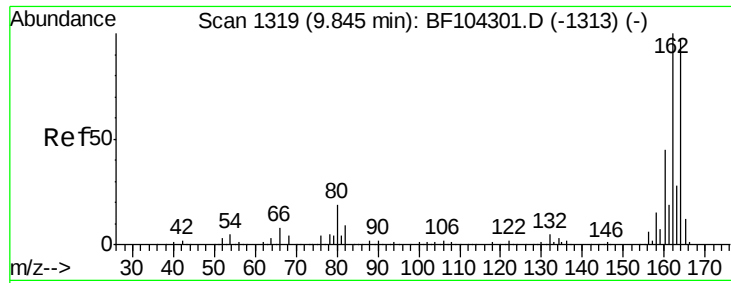
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#37
 2-Methylnaphthalene
 Concen: 3.566 ng
 RT: 8.80 min Scan# 1142
 Delta R.T. -0.01 min
 Lab File: BF104488.D
 Acq: 13 Apr 2018 19:34

Tgt Ion	Ratio	Resp	Lower	Upper
142	100	57750		
141	92.2		70.8	106.2
115	33.8		26.1	39.1





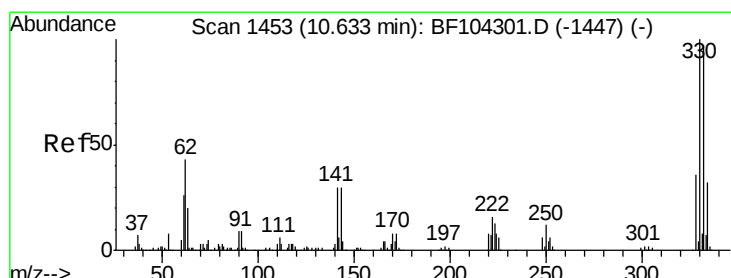
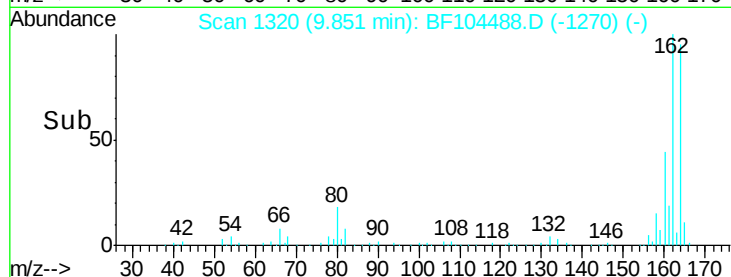
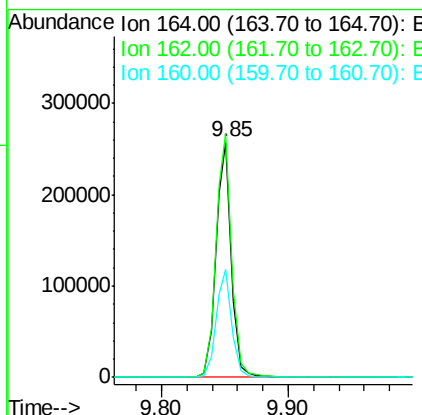
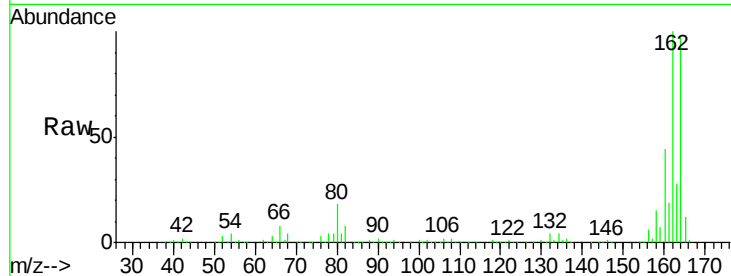
#38
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.85 min Scan# 1320
 Delta R.T. -0.01 min
 Lab File: BF104488.D
 Acq: 13 Apr 2018 19:34

Instrument :
 BNA_F
 ClientSampleId :
 275

Tot Ion	Ratio	Resp	Lower	Upper
164	100			
162	103.5	86.1	129.1	
160	45.9	38.3	57.5	

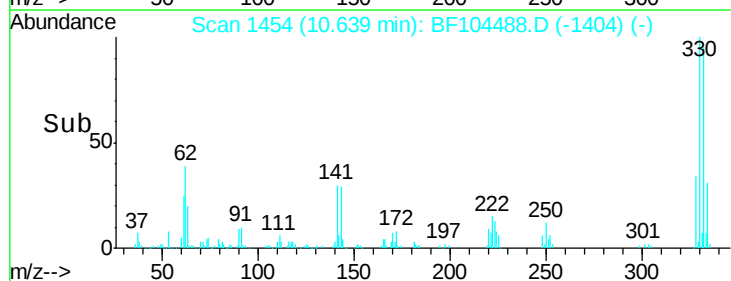
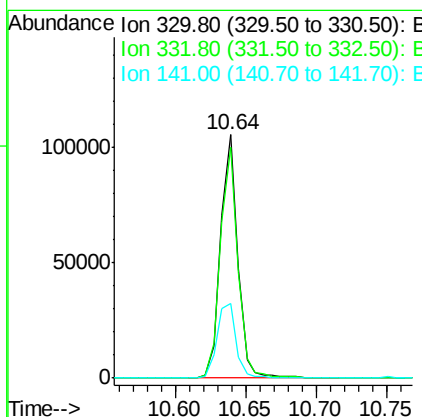
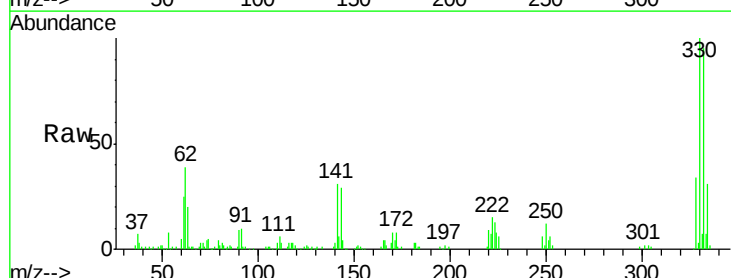
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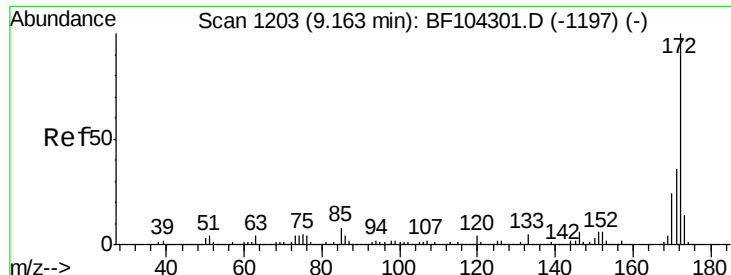
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#41
 2,4,6-Tribromophenol
 Concen: 39.473 ng
 RT: 10.64 min Scan# 1454
 Delta R.T. -0.01 min
 Lab File: BF104488.D
 Acq: 13 Apr 2018 19:34

Tgt Ion	Ratio	Resp	Lower	Upper
330	100			
332	96.5	77.0	115.6	
141	34.5	29.9	44.9	





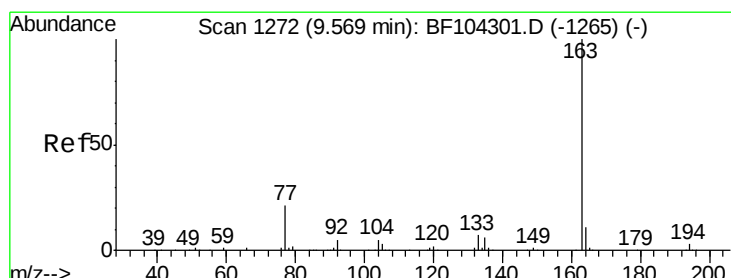
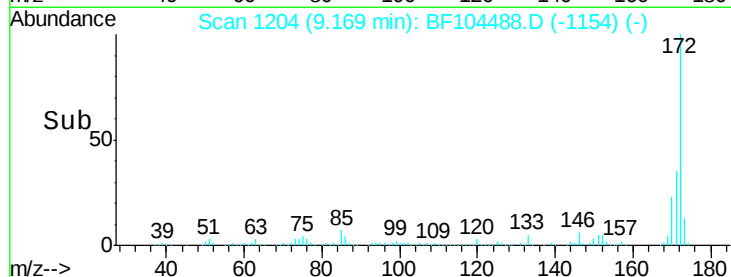
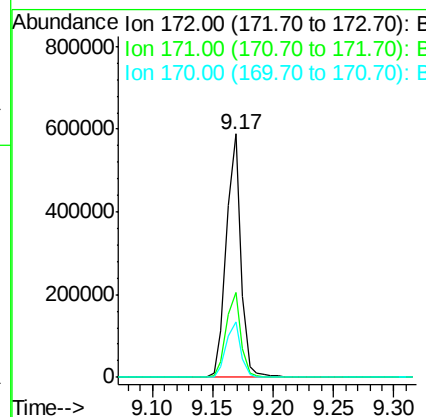
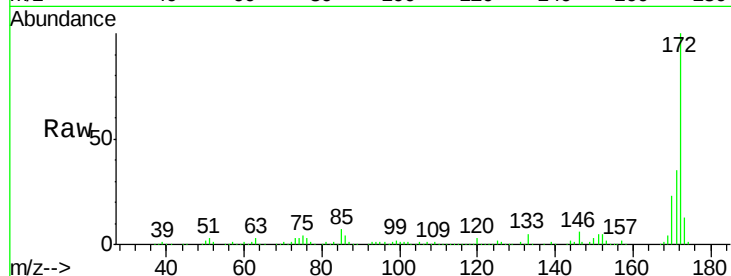
#44
2-Fluorobiphenyl
Concen: 35.148 ng
RT: 9.17 min Scan# 1204
Delta R.T. -0.01 min
Lab File: BF104488.D
Acq: 13 Apr 2018 19:34

Instrument :
BNA_F
ClientSampleId :
275

Tot Ion	Ratio	Lower	Upper
172	100		
171	35.0	29.7	44.5
170	22.9	19.6	29.4

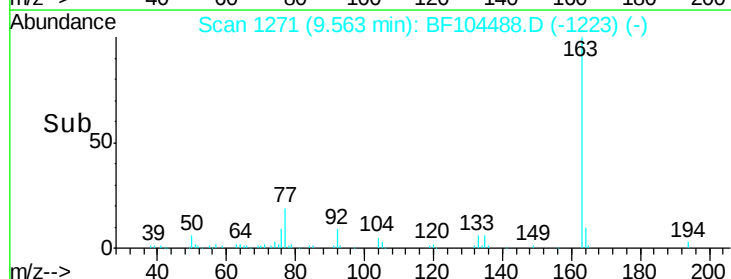
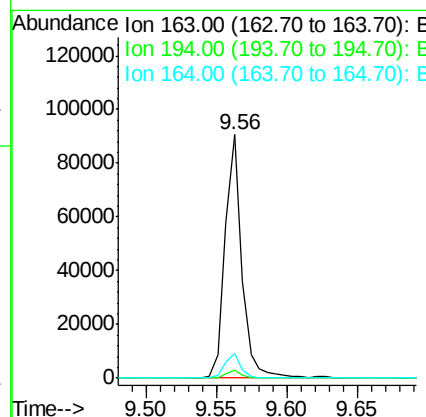
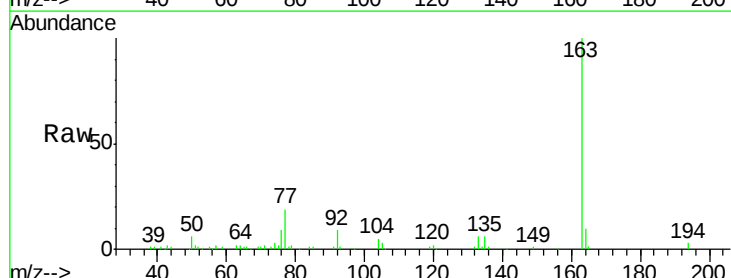
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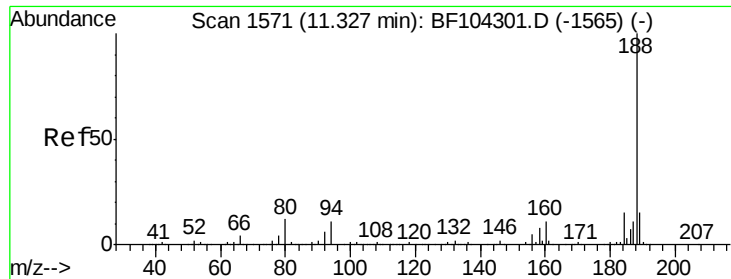
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#49
Dimethylphthalate
Concen: 4.352 ng
RT: 9.56 min Scan# 1271
Delta R.T. -0.02 min
Lab File: BF104488.D
Acq: 13 Apr 2018 19:34

Tgt Ion	Ratio	Lower	Upper
163	100		
194	3.3	2.7	4.1
164	10.3	8.2	12.2





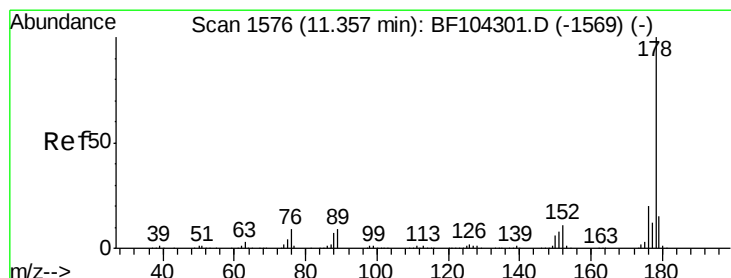
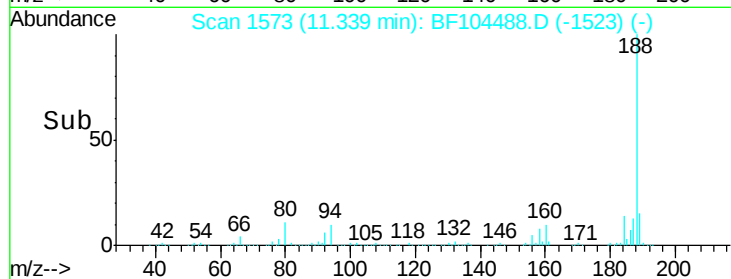
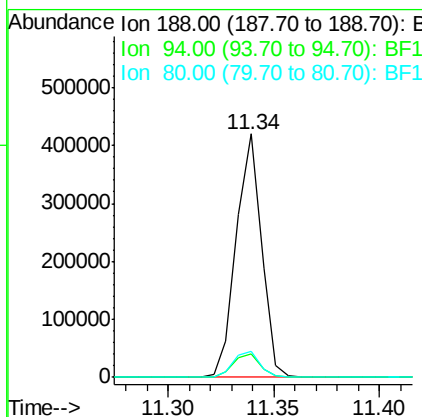
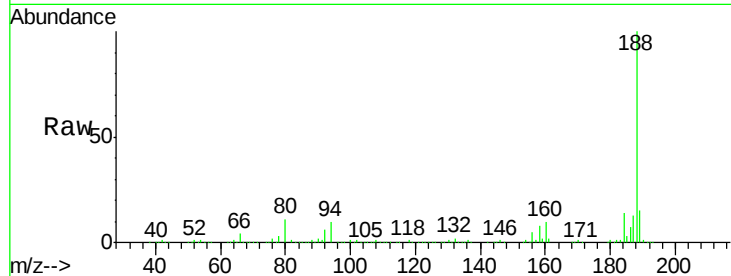
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Phenanthrene-d10
Concen: 20.000 ng
RT: 11.34 min Scan# 1573
Delta R.T. -0.01 min
Lab File: BF104488.D
Acq: 13 Apr 2018 19:34

Instrument :
BNA_F
ClientSampleId :
275

Tot Ion	Ratio	Resp	Lower	Upper
188	100	347516		
94	9.7		8.5	12.7
80	10.6		9.2	13.8

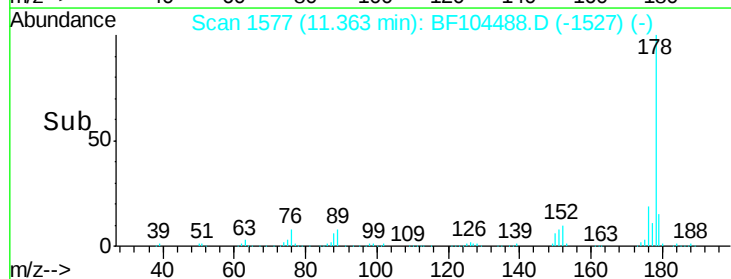
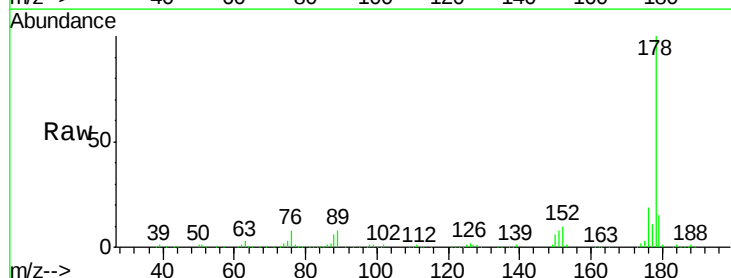
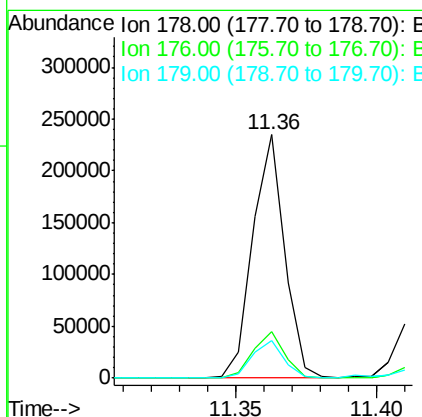
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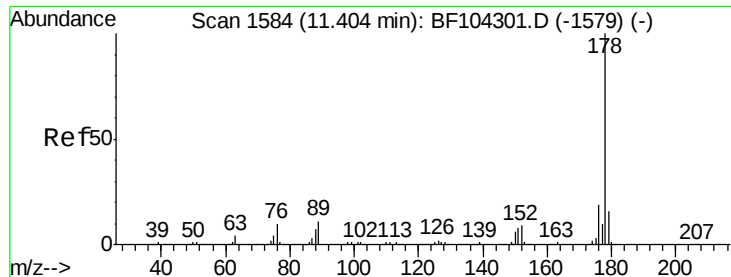
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#70
Phenanthrene
Concen: 9.504 ng
RT: 11.36 min Scan# 1577
Delta R.T. -0.01 min
Lab File: BF104488.D
Acq: 13 Apr 2018 19:34

Tgt Ion	Ratio	Resp	Lower	Upper
178	100	183925		
176	18.9		15.8	23.8
179	15.2		13.0	19.6





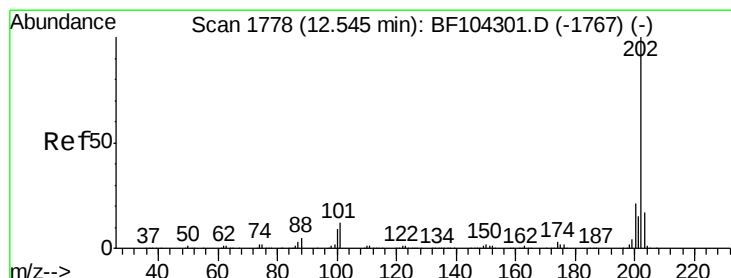
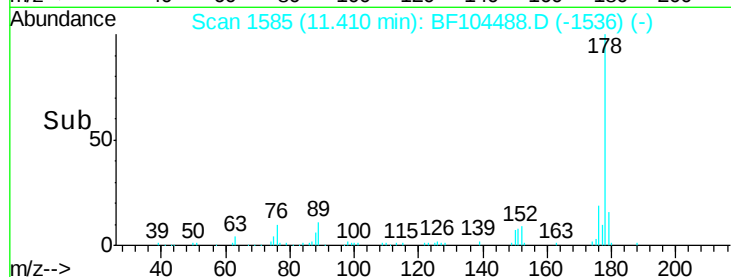
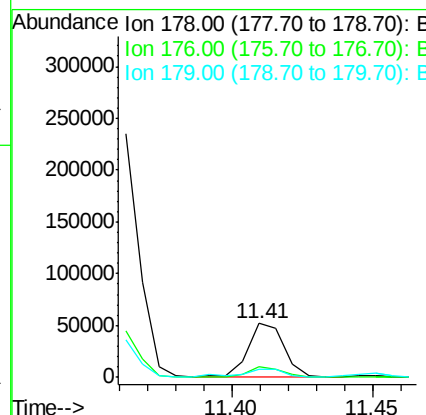
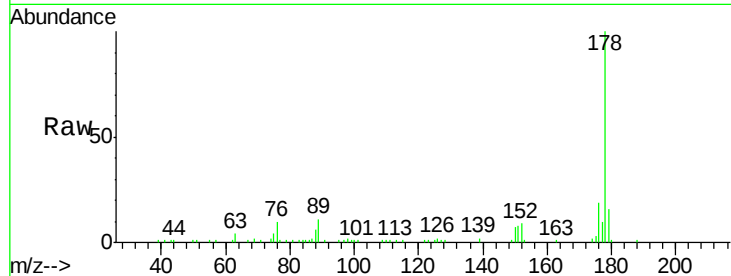
#71
 Anthracene
 Concen: 2.307 ng
 RT: 11.41 min Scan# 1585
 Delta R.T. -0.01 min
 Lab File: BF104488.D
 Acq: 13 Apr 2018 19:34

Instrument :
 BNA_F
 ClientSampleId :
 275

Tot Ion	Ratio	Lower	Upper
178	100		
176	18.7	15.4	23.2
179	15.6	12.6	19.0

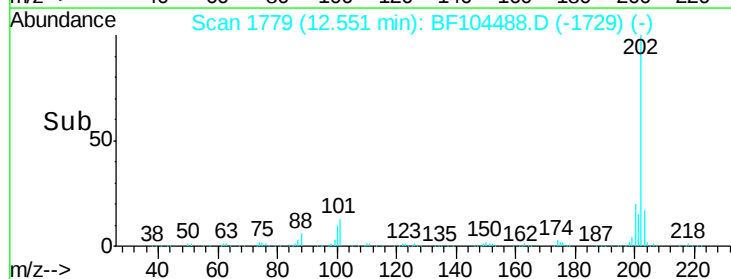
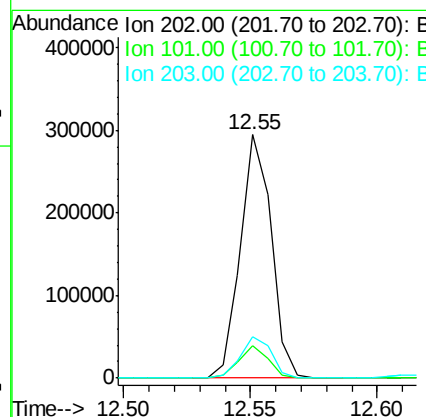
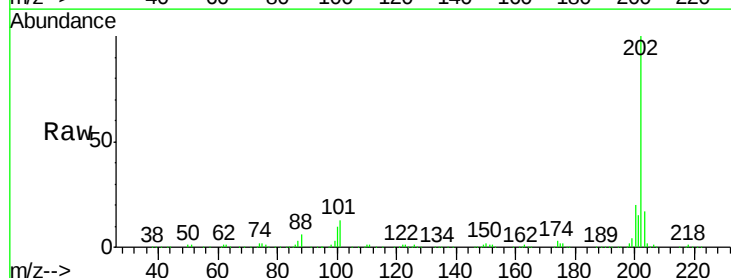
Manual Integrations
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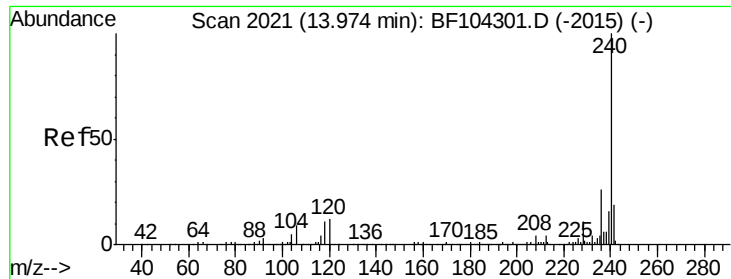
Sohil
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#74
 Fluoranthene
 Concen: 12.360 ng
 RT: 12.55 min Scan# 1779
 Delta R.T. -0.01 min
 Lab File: BF104488.D
 Acq: 13 Apr 2018 19:34

Tgt Ion	Ratio	Lower	Upper
202	100		
101	13.1	0.0	34.1
203	17.2	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: BF104488.D

Acq: 13 Apr 2018 19:34

Instrument :

BNA_F

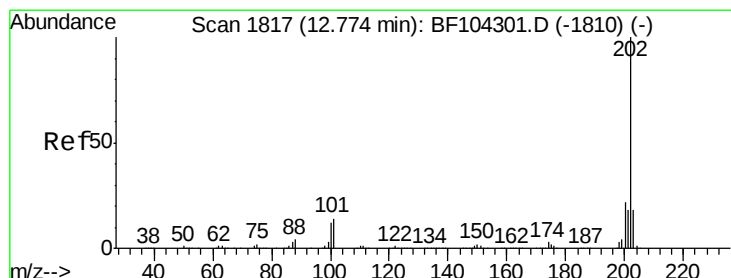
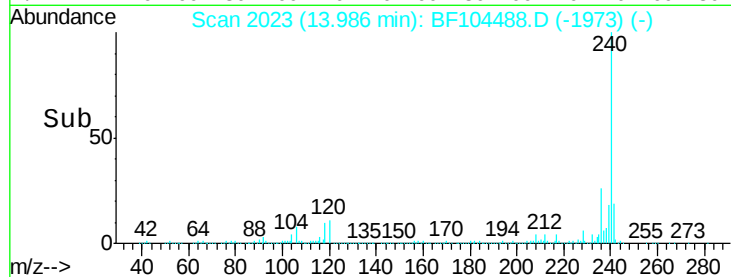
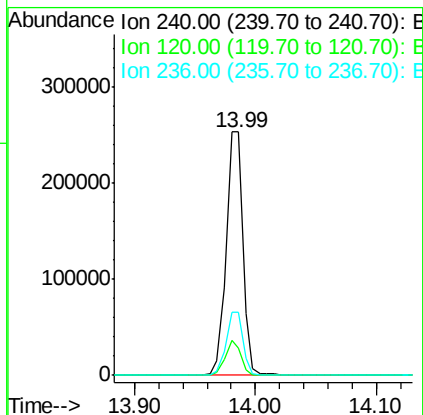
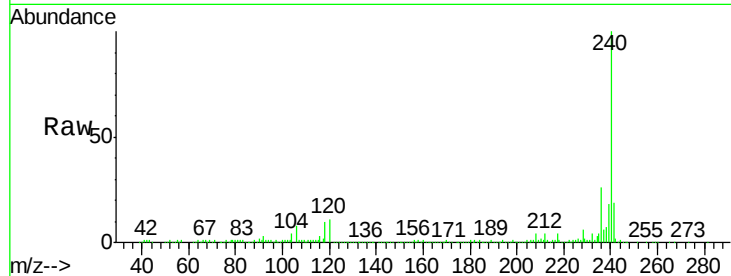
ClientSampled :

275

Tot Ion:	240	Resp:	245019
Ion Ratio	Lower	Upper	
240	100		
120	11.1	9.5	14.3
236	26.1	20.7	31.1

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#77

Pyrene

Concen: 11.681 ng

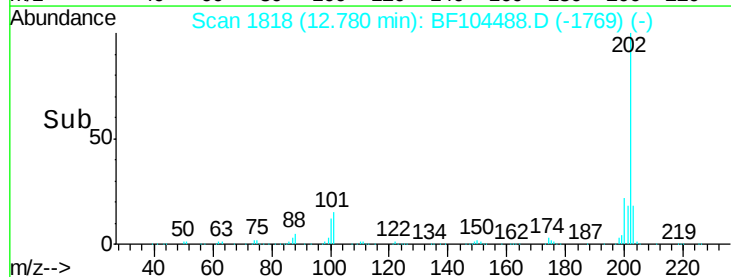
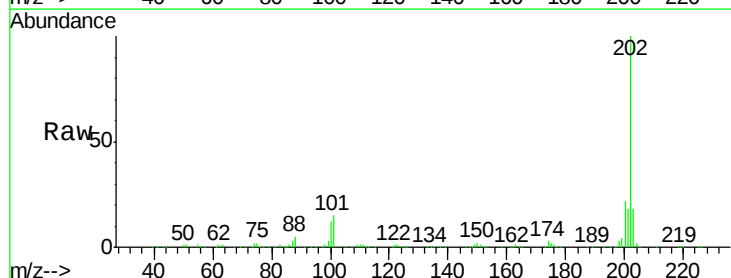
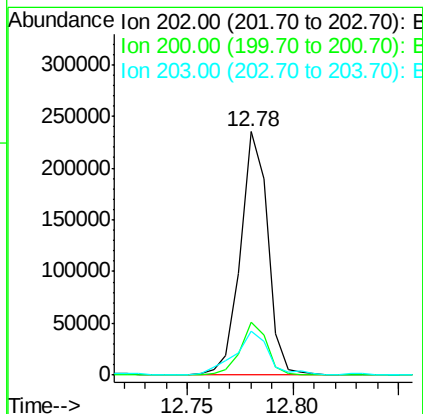
RT: 12.78 min Scan# 1818

Delta R.T. -0.01 min

Lab File: BF104488.D

Acq: 13 Apr 2018 19:34

Tgt Ion:	202	Resp:	212155
Ion Ratio	Lower	Upper	
202	100		
200	21.9	17.4	26.2
203	18.2	14.3	21.5





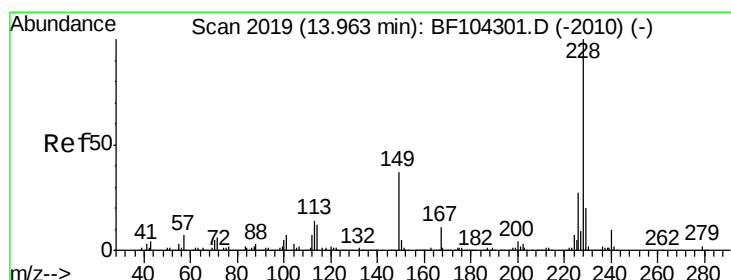
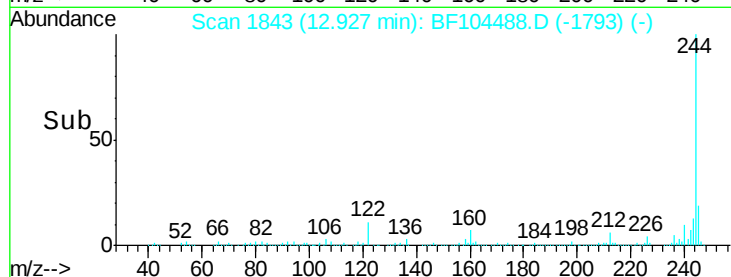
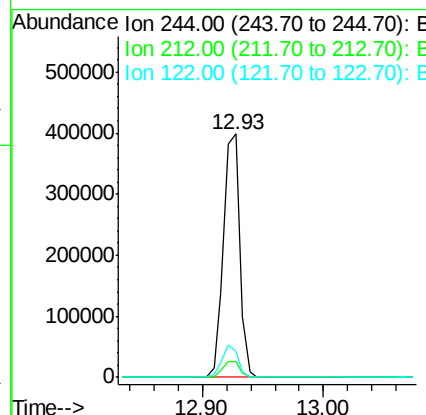
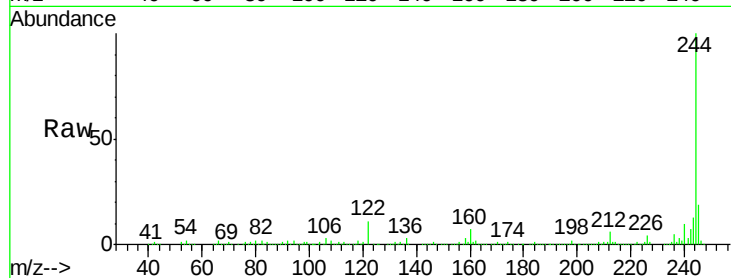
#78
 Terphenyl-d14
 Concen: 34.498 ng
 RT: 12.93 min Scan# 1843
 Delta R.T. -0.01 min
 Lab File: BF104488.D
 Acq: 13 Apr 2018 19:34

Instrument :
 BNA_F
 ClientSampled :
 275

Tot Ion	Ratio	Lower	Upper
244	100		
212	6.5	5.4	8.0
122	10.8	11.0	16.4

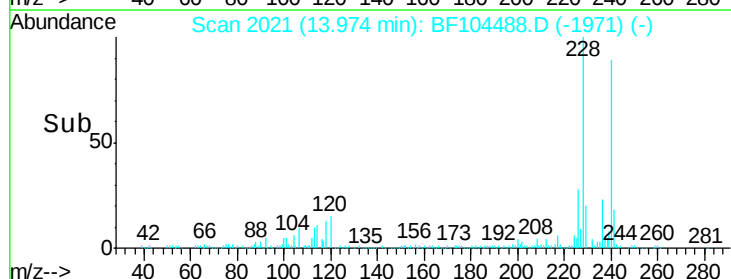
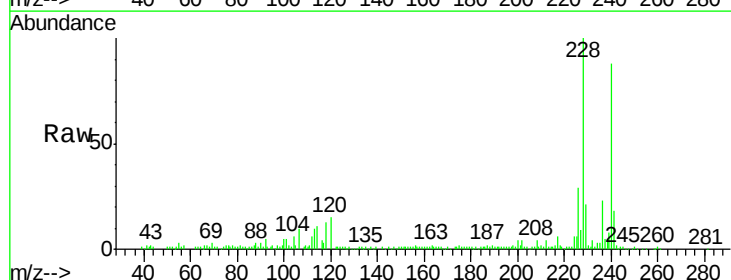
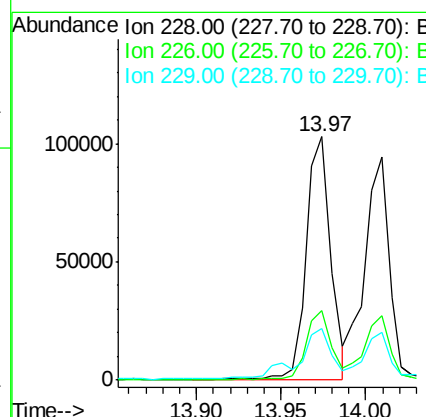
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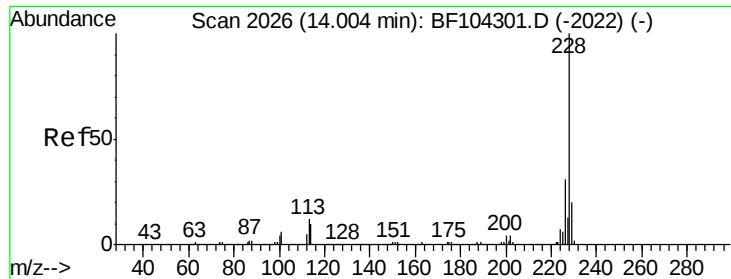
Sohil
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#80
 Benzo(a)anthracene
 Concen: 7.123 ng
 RT: 13.97 min Scan# 2021
 Delta R.T. -0.01 min
 Lab File: BF104488.D
 Acq: 13 Apr 2018 19:34

Tgt Ion	Ratio	Lower	Upper
228	100		
226	28.5	22.6	33.8
229	21.4	15.8	23.6





#82

Chrysene

Concen: 6.416 ng

RT: 14.01 min Scan# 2027

Delta R.T. -0.01 min

Lab File: BF104488.D

Acq: 13 Apr 2018 19:34

Instrument :

BNA_F

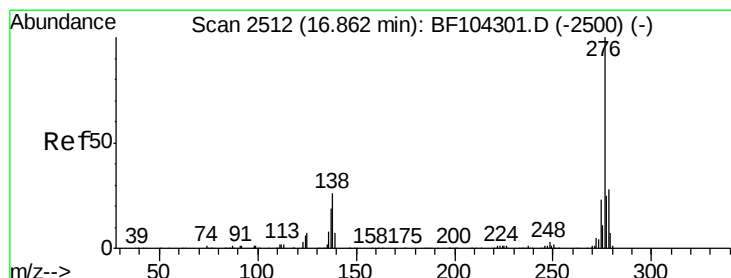
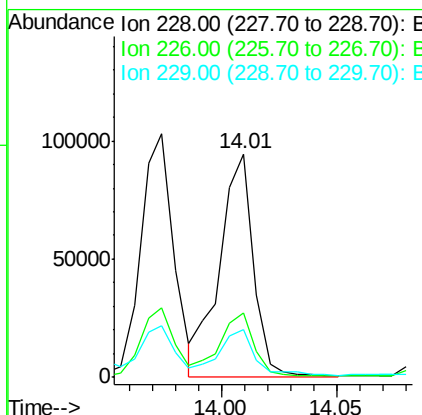
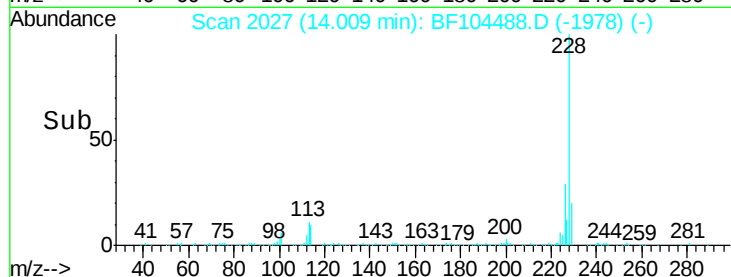
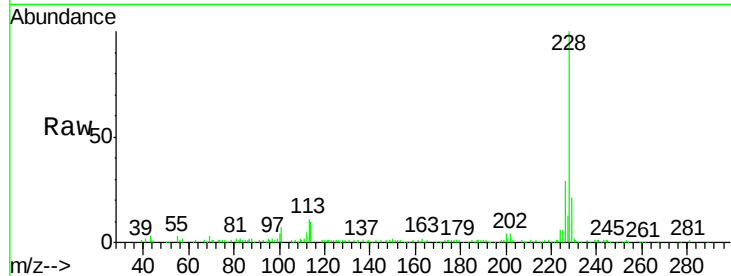
ClientSampled :

275

Tot Ion:	228	Resp:	96463
Ion Ratio	Lower	Upper	
228	100		
226	29.1	25.0	37.6
229	21.3	16.2	24.4

Manual Integrations
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#85

Indeno(1,2,3-cd)pyrene

Concen: 3.152 ng

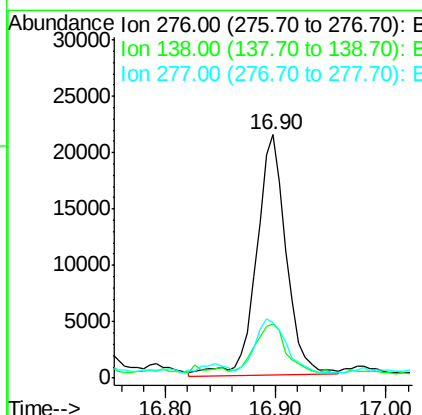
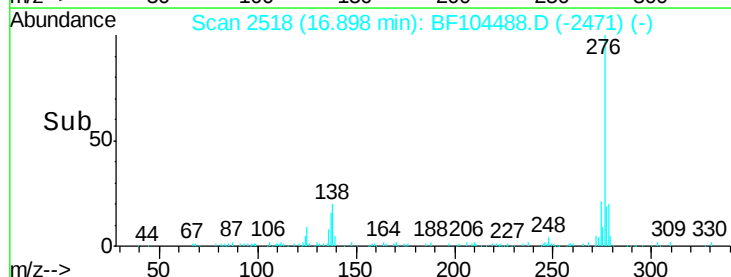
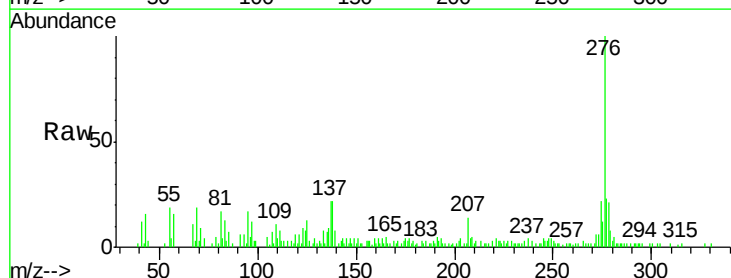
RT: 16.90 min Scan# 2518

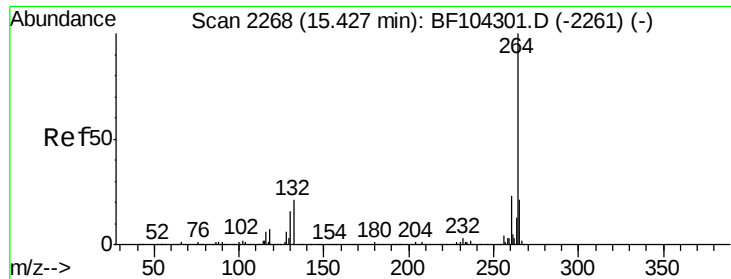
Delta R.T. -0.02 min

Lab File: BF104488.D

Acq: 13 Apr 2018 19:34

Tgt Ion:	276	Resp:	40255
Ion Ratio	Lower	Upper	
276	100		
138	22.3	25.0	37.6#
277	23.4	20.1	30.1





#86

Pervlene-d12

Concen: 20.000 ng

RT: 15.44 min Scan# 2271

Delta R.T. -0.01 min

Lab File: BF104488.D

Acq: 13 Apr 2018 19:34

Instrument :

BNA_F

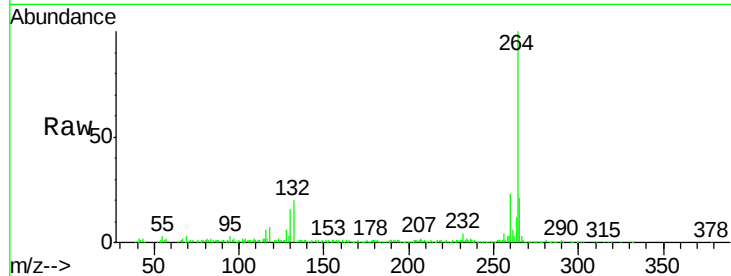
ClientSampleId :

275

Tot Ion	Ion	Ratio	Resp	Lower	Upper
264	100				
260	23.5	19.2	28.8		
265	21.1	17.5	26.3		

Manual Integrations
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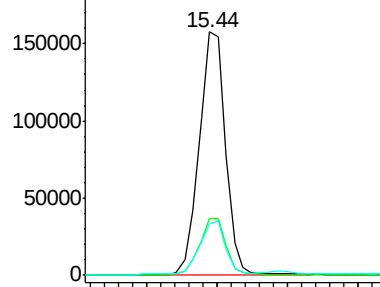


Abundance

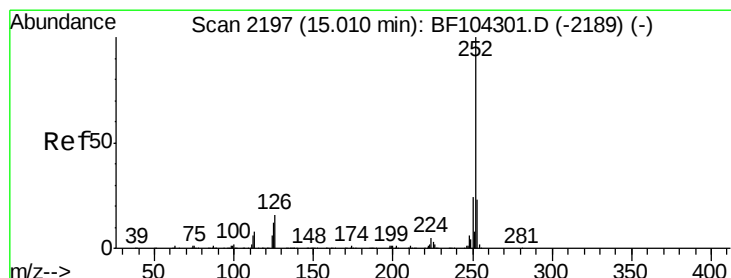
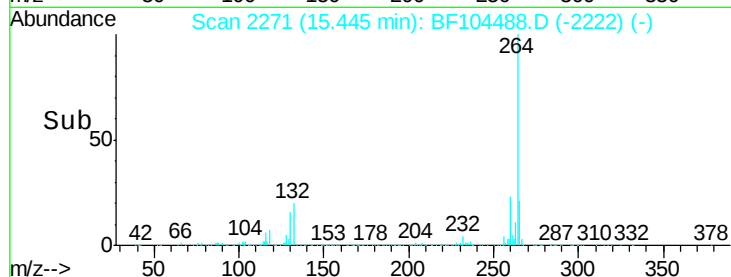
Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E



Time-->



#87

Benzo(b)fluoranthene

Concen: 8.195 ng m

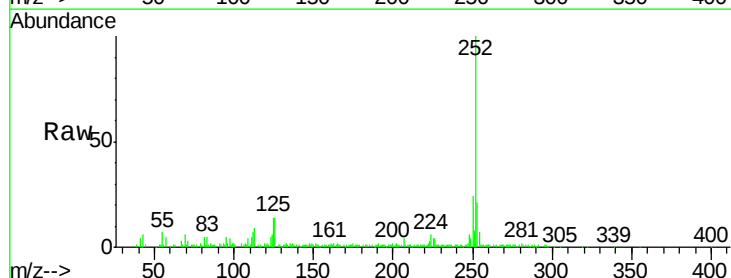
RT: 15.02 min Scan# 2199

Delta R.T. -0.01 min

Lab File: BF104488.D

Acq: 13 Apr 2018 19:34

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
252	100				
253	20.7	17.0	25.6		
125	14.0	9.0	13.6#		

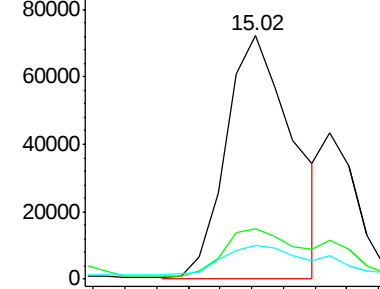


Abundance

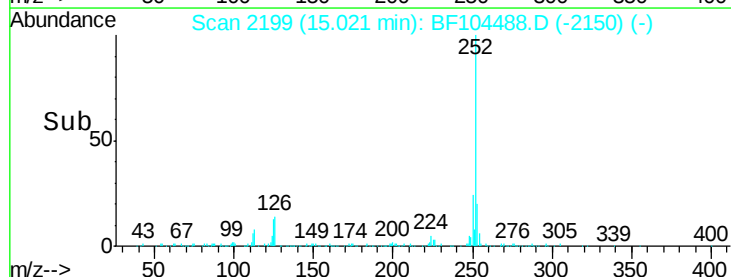
Ion 252.00 (251.70 to 252.70): E

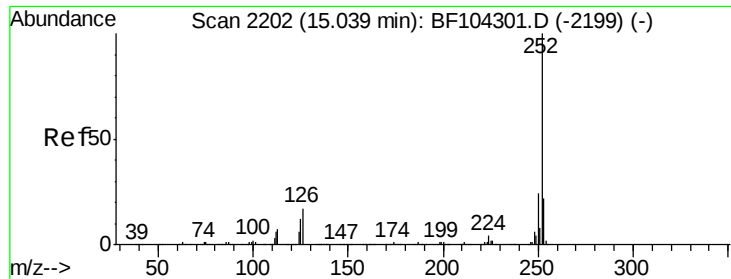
Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



Time-->





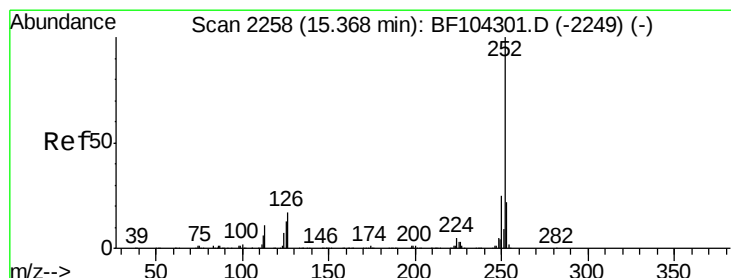
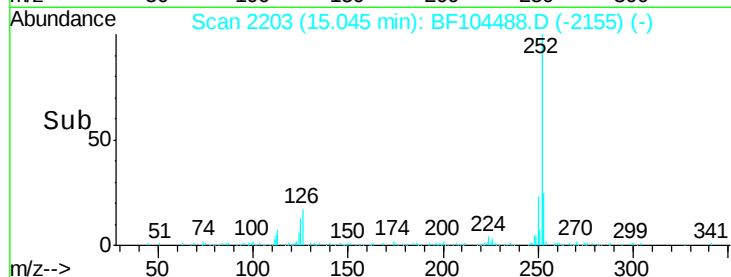
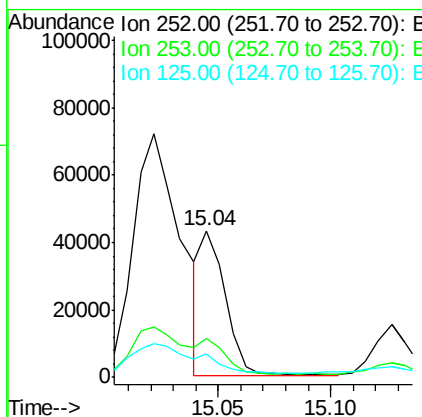
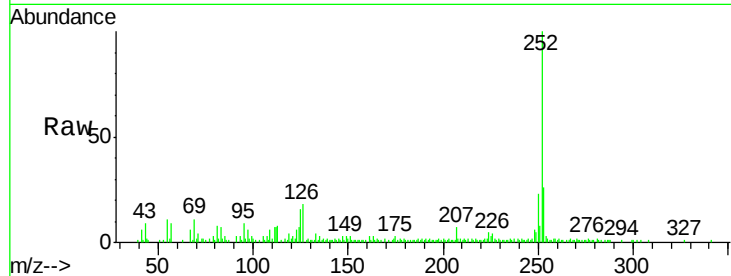
#88
Benzo(k)fluoranthene
Concen: 2.801 ng m
RT: 15.04 min Scan# 2203
Delta R.T. -0.02 min
Lab File: BF104488.D
Acq: 13 Apr 2018 19:34

Instrument :
BNA_F
ClientSampled :
275

Tot Ion	Ratio	Lower	Upper
252	100		
253	26.5	17.9	26.9
125	15.7	10.2	15.2

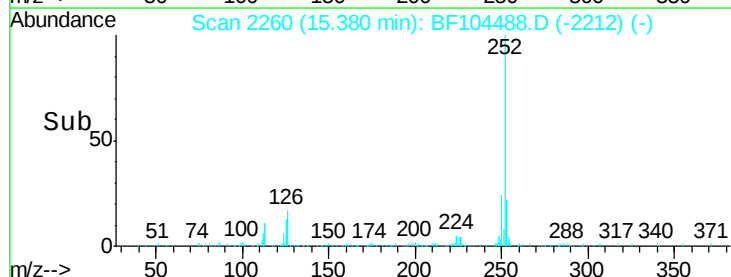
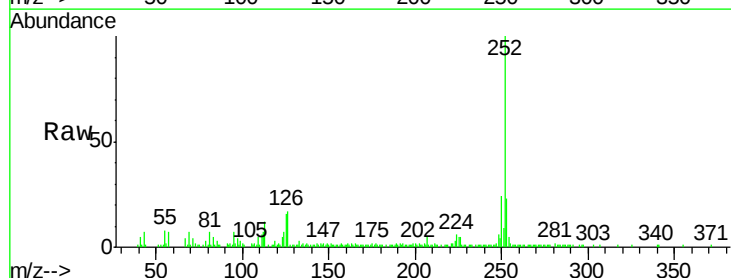
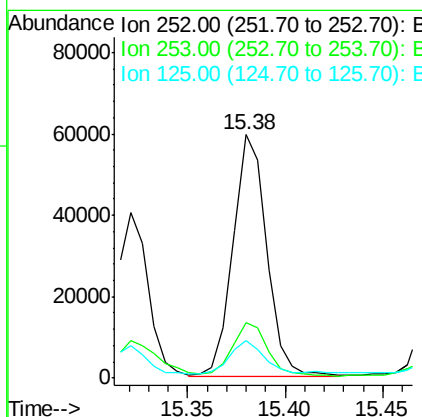
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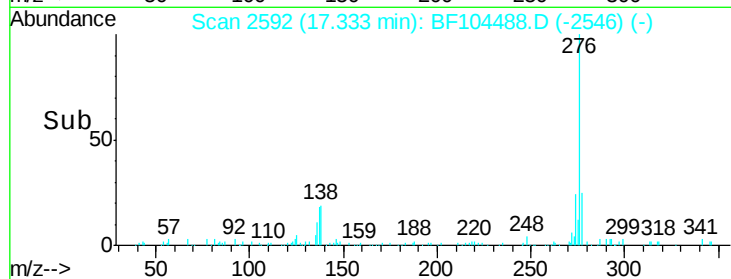
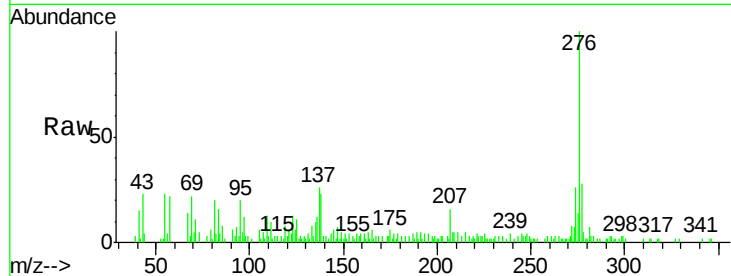
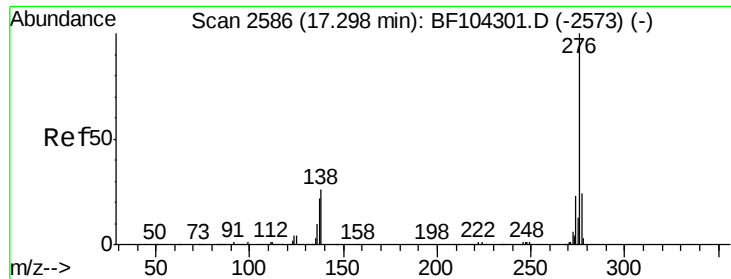
Sohil
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#89
Benzo(a)pyrene
Concen: 6.182 ng
RT: 15.38 min Scan# 2260
Delta R.T. -0.02 min
Lab File: BF104488.D
Acq: 13 Apr 2018 19:34

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.8	17.1	25.7
125	15.7	9.8	14.6





#91

Benzo(a,h,i)perylene

Concen: 3.817 ng

RT: 17.33 min Scan# 2592

Delta R.T. -0.03 min

Lab File: BF104488.D

Acq: 13 Apr 2018 19:34

Instrument :

BNA_F

ClientSampleId :

275

Tot Ion: 276 Resp: 34760

Ion Ratio Lower Upper

276 100

277 28.3 17.9 26.9#

138 22.9 21.8 32.8

Manual Integrations
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