

Data Path : Z:\HPCHEM1\BNA F\DATA\BF041118\
 Data File : BF104439.D
 Acq On : 11 Apr 2018 15:42
 Operator : JU/SJ
 Sample : J2161-03 5X
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 OR-02-041018-B

Manual Integrations
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Sohil
 4/12/2018 2:30:40 PM

Quant Time: Apr 12 12:04:44 2018
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF040618.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Apr 11 13:19:22 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.81	152	123562	20.00	ng	0.00
21) Naphthalene-d8	8.09	136	474931	20.00	ng	0.00
38) Acenaphthene-d10	9.85	164	191937	20.00	ng	0.00
63) Phenanthrene-d10	11.33	188	307626	20.00	ng	0.00
75) Chrysene-d12	13.98	240	252398	20.00	ng	0.00
86) Perylene-d12	15.46	264	193814	20.00	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.41	112	216964	26.85	ng	0.00
7) Phenol-d6	6.43	99	259474	26.13	ng	-0.01
23) Nitrobenzene-d5	7.37	82	146517	20.14	ng	0.00
41) 2,4,6-Tribromophenol	10.63	330	48778	24.50	ng	0.00
44) 2-Fluorobiphenyl	9.16	172	274273	22.57	ng	0.00
78) Terphenyl-d14	12.92	244	218645	19.75	ng	0.00
Target Compounds						
70) Phenanthrene	11.36	178	166432	9.715	ng	97
71) Anthracene	11.41	178	52930	3.039	ng	99
74) Fluoranthene	12.55	202	268564	15.004	ng	98
77) Pyrene	12.78	202	269411	14.400	ng	100
80) Benzo(a)anthracene	13.97	228	128246m	8.505	ng	
82) Chrysene	14.01	228	122924	7.937	ng	97
85) Indeno(1,2,3-cd)pyrene	16.90	276	49118m	3.733	ng	
87) Benzo(b)fluoranthene	15.03	252	125452m	10.249	ng	
88) Benzo(k)fluoranthene	15.05	252	43974m	3.805	ng	
89) Benzo(a)pyrene	15.39	252	91053	8.313	ng	# 93
91) Benzo(g,h,i)perylene	17.34	276	48847	5.605	ng	96

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

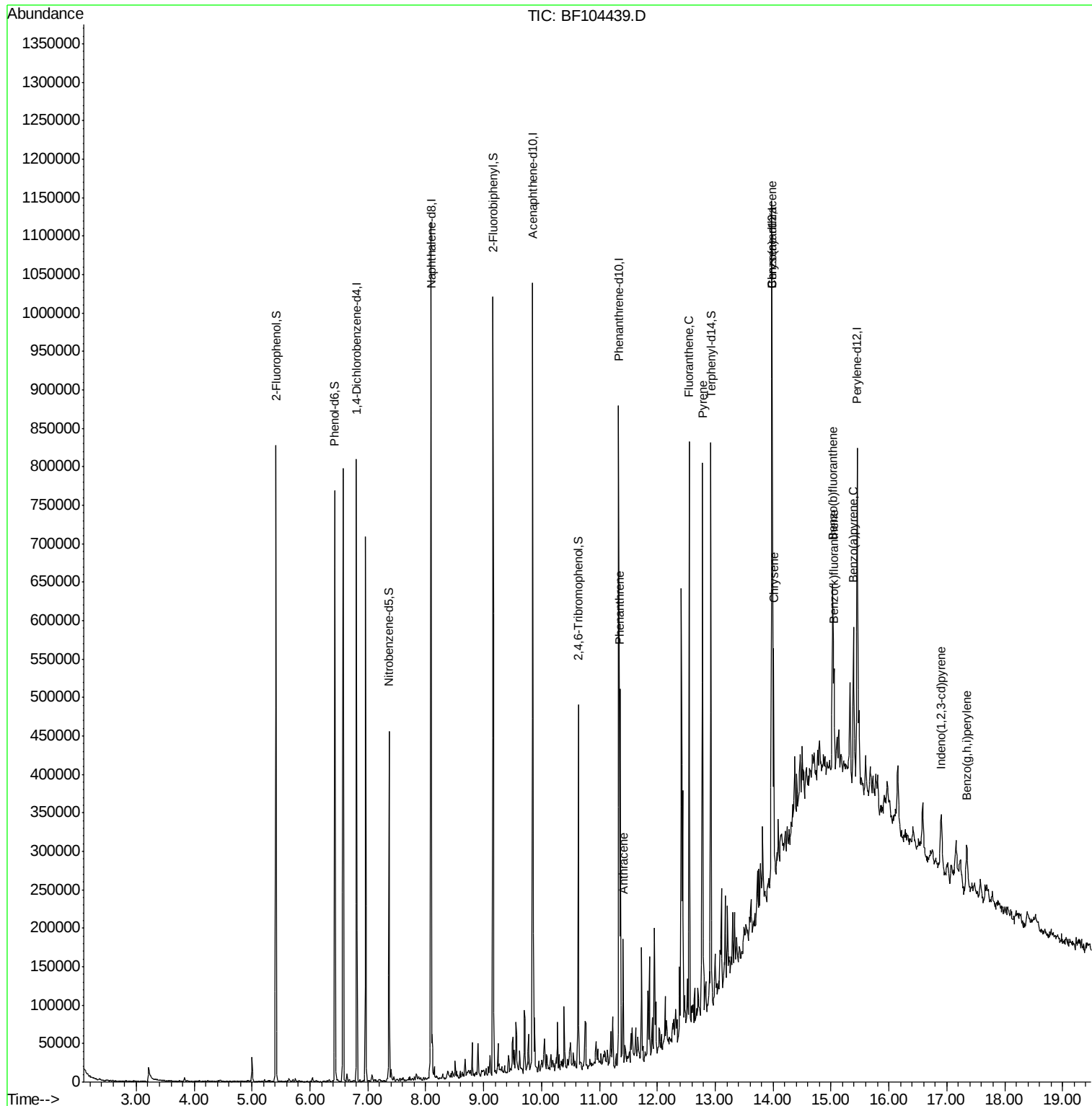
Data Path : Z:\HPCHEM1\BNA F\DATA\BF041118\
Data File : BF104439.D
Acq On : 11 Apr 2018 15:42
Operator : JU/SJ
Sample : J2161-03 5X
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampled :
OR-02-041018-B

Manual Integrations
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Apr 11 13:19:22 2018
Response via : Initial Calibration





#1

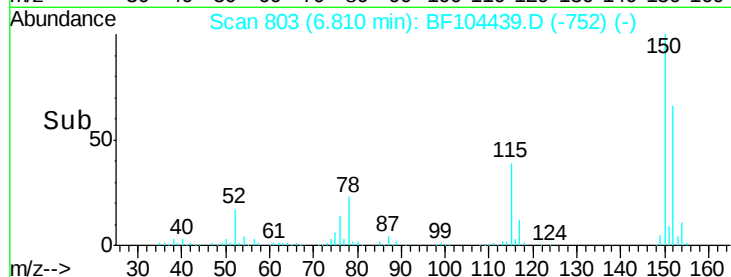
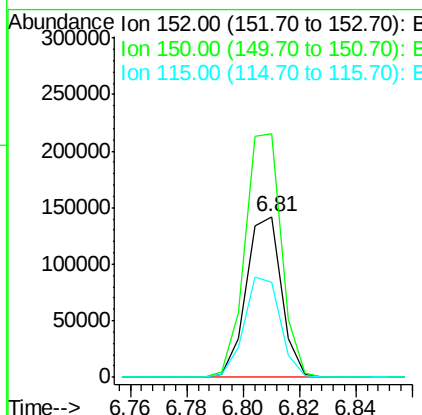
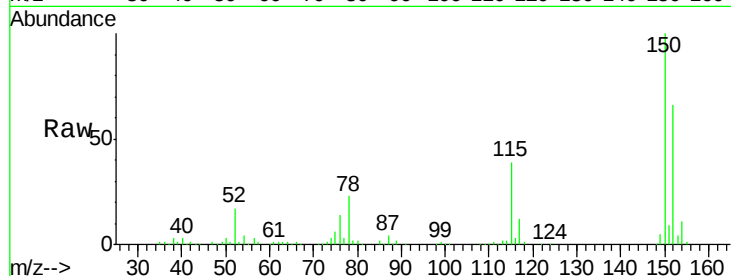
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.81 min Scan# 803
Delta R.T. 0.00 min
Lab File: BF104439.D
Acq: 11 Apr 2018 15:42

Instrument :
BNA_F
ClientSampleId :
OR-02-041018-B

Tot Ion	Ratio	Lower	Upper
152	100		
150	151.6	124.6	186.8
115	59.0	50.1	75.1

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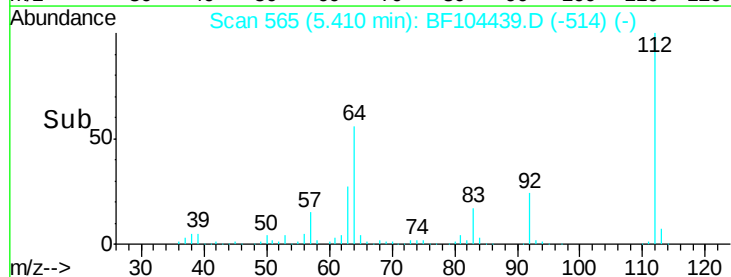
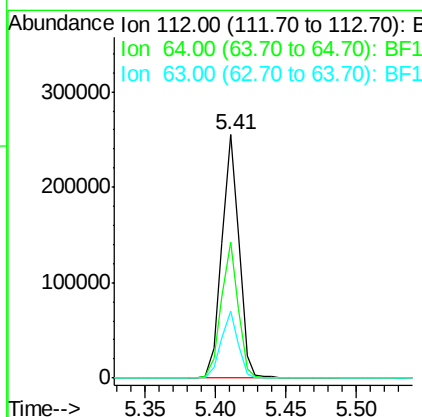
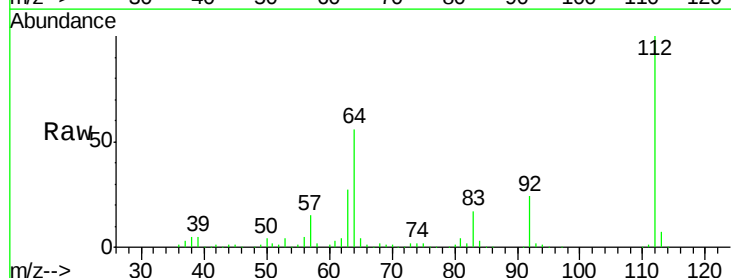
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#5

2-Fluorophenol
Concen: 26.849 ng
RT: 5.41 min Scan# 565
Delta R.T. 0.00 min
Lab File: BF104439.D
Acq: 11 Apr 2018 15:42

Tgt Ion	Ratio	Lower	Upper
112	100		
64	55.8	47.9	71.9
63	27.4	23.7	35.5





#7

Phenol-d6

Concen: 26.133 ng

RT: 6.43 min Scan# 738

Delta R.T. -0.01 min

Lab File: BF104439.D

Acq: 11 Apr 2018 15:42

Instrument :

BNA_F

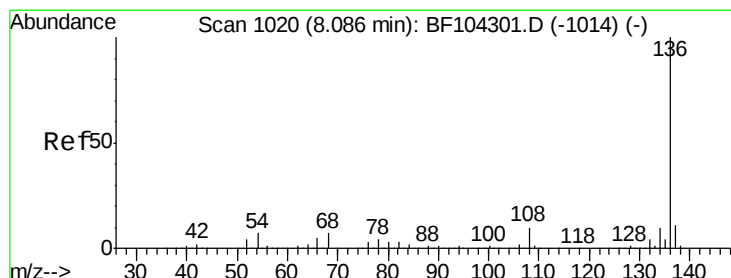
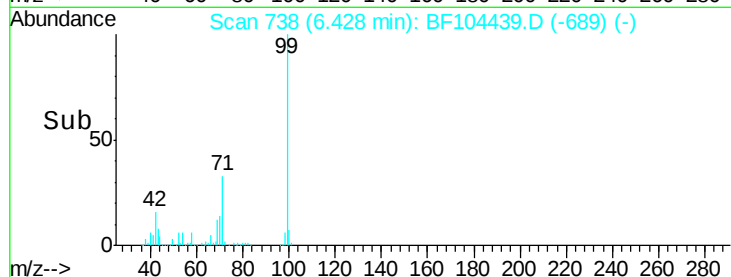
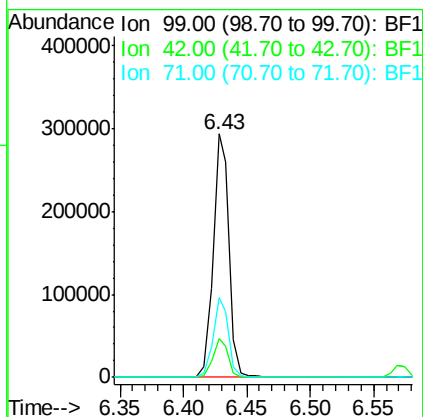
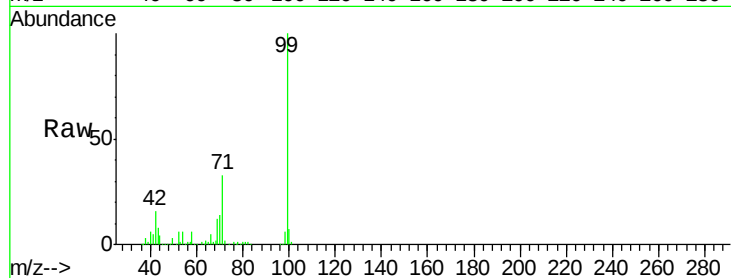
ClientSampleId :

OR-02-041018-B

Tot Ion:	99	Resp:	259474
Ion Ratio	Lower	Upper	
99	100		
42	15.9	14.5	21.7
71	32.9	25.4	38.0

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#21

Naphthalene-d8

Concen: 20.000 ng

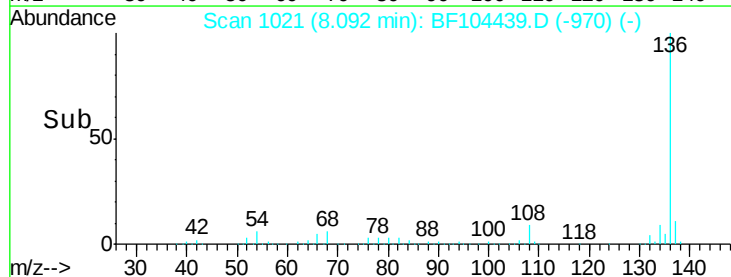
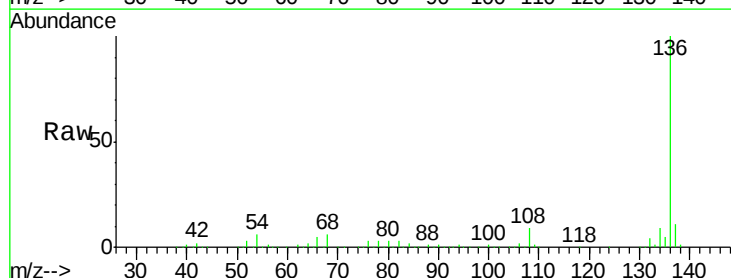
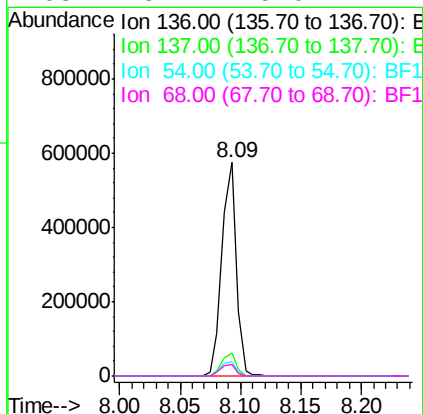
RT: 8.09 min Scan# 1021

Delta R.T. 0.00 min

Lab File: BF104439.D

Acq: 11 Apr 2018 15:42

Tgt Ion:	136	Resp:	474931
Ion Ratio	Lower	Upper	
136	100		
137	10.9	8.9	13.3
54	6.5	6.6	9.8#
68	5.7	5.0	7.4





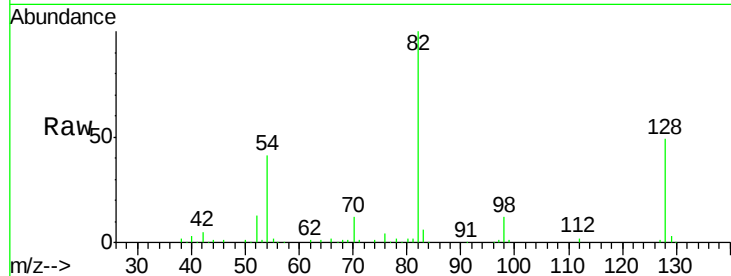
#23
Nitrobenzene-d5
Concen: 20.145 ng
RT: 7.37 min Scan# 898
Delta R.T. -0.01 min
Lab File: BF104439.D
Acq: 11 Apr 2018 15:42

Instrument :
BNA_F
ClientSampleId :
OR-02-041018-B

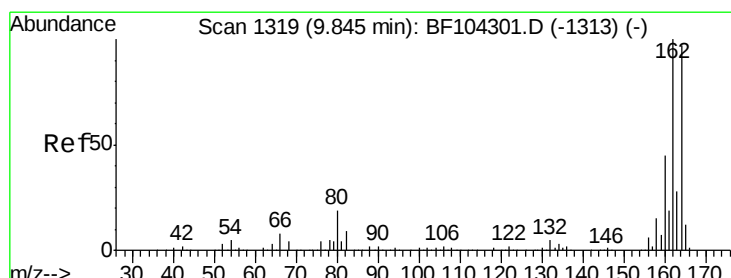
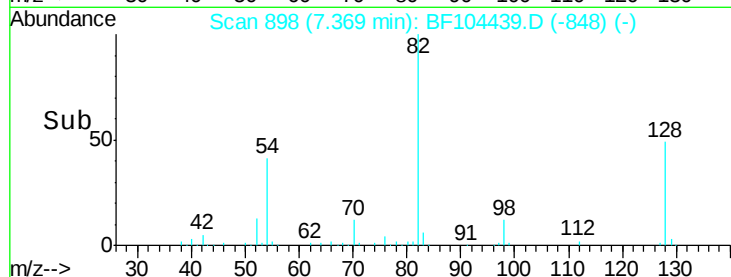
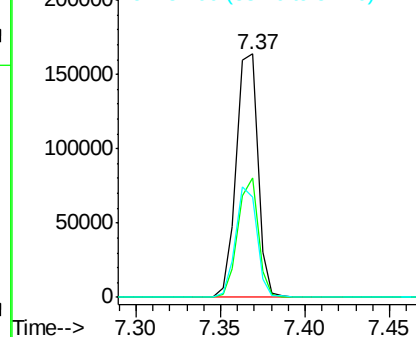
Tot Ion	Ratio	Resp	Lower	Upper
82	100	146517		
128	49.2	36.1	54.1	
54	41.4	41.4	62.2	

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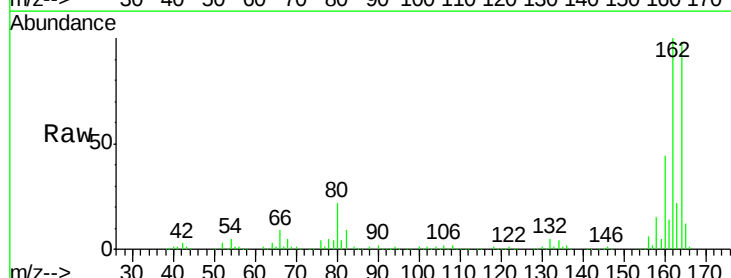


Abundance Ion 82.00 (81.70 to 82.70): BF1
Ion 128.00 (127.70 to 128.70): BF1
Ion 54.00 (53.70 to 54.70): BF1

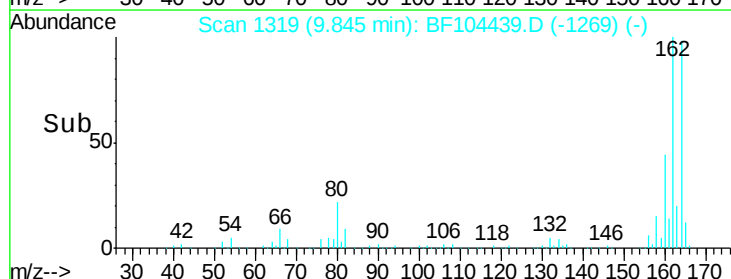
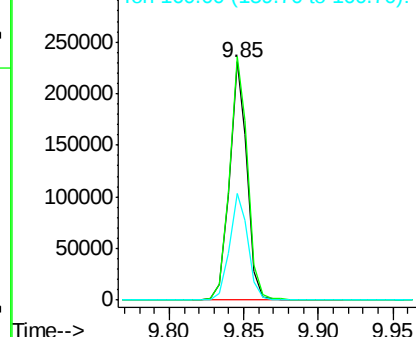


#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.85 min Scan# 1319
Delta R.T. -0.01 min
Lab File: BF104439.D
Acq: 11 Apr 2018 15:42

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	191937		
162	102.2	86.1	129.1	
160	44.9	38.3	57.5	



Abundance Ion 164.00 (163.70 to 164.70): BF1
Ion 162.00 (161.70 to 162.70): BF1
Ion 160.00 (159.70 to 160.70): BF1





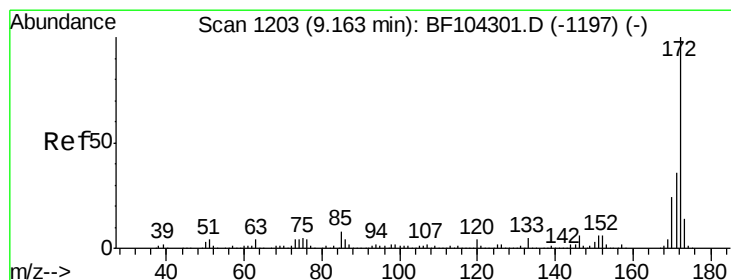
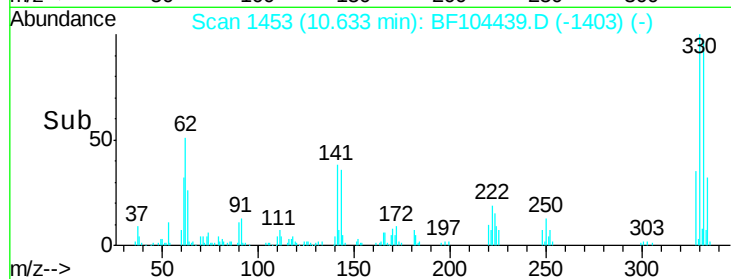
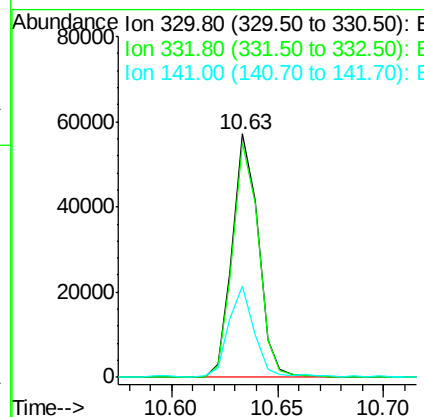
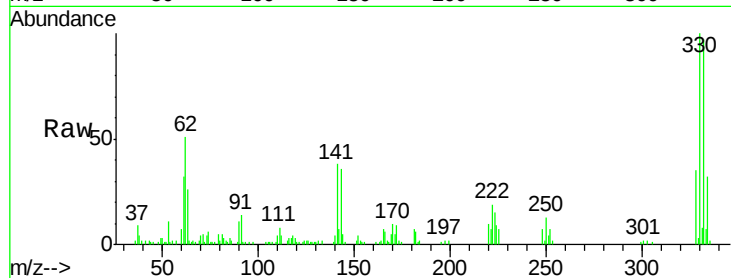
#41
 2,4,6-Tribromophenol
 Concen: 24.499 ng
 RT: 10.63 min Scan# 1453
 Delta R.T. -0.01 min
 Lab File: BF104439.D
 Acq: 11 Apr 2018 15:42

Instrument :
 BNA_F
 ClientSampleId :
 OR-02-041018-B

Tot Ion	Ratio	Lower	Upper
330	100		
332	96.5	77.0	115.6
141	38.1	29.9	44.9

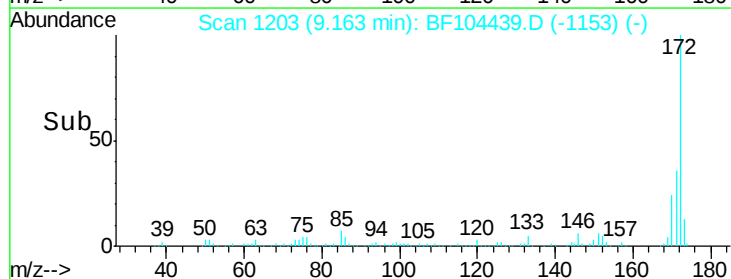
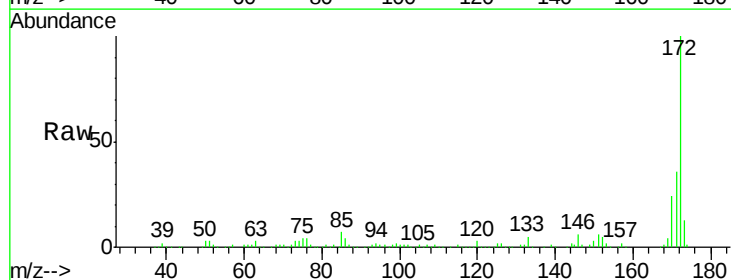
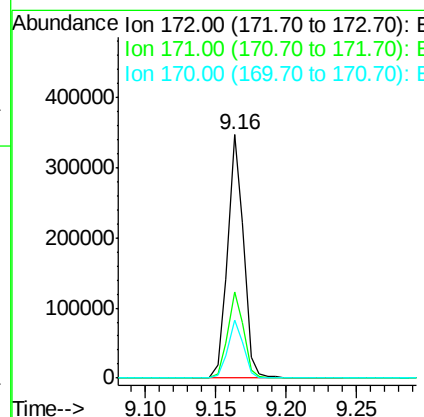
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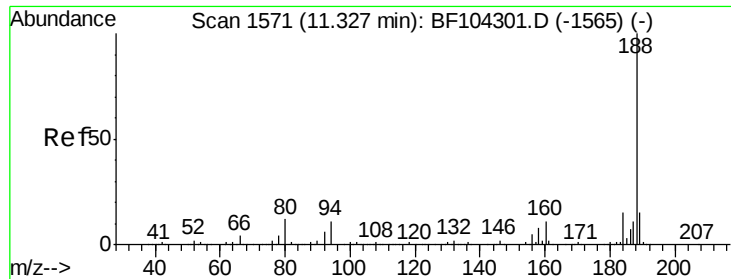
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#44
 2-Fluorobiphenyl
 Concen: 22.574 ng
 RT: 9.16 min Scan# 1203
 Delta R.T. -0.01 min
 Lab File: BF104439.D
 Acq: 11 Apr 2018 15:42

Tgt Ion	Ratio	Lower	Upper
172	100		
171	35.6	29.7	44.5
170	23.7	19.6	29.4





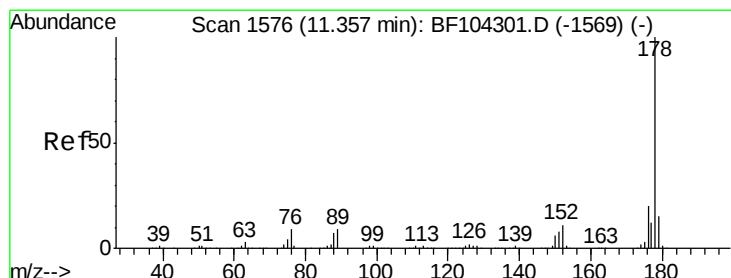
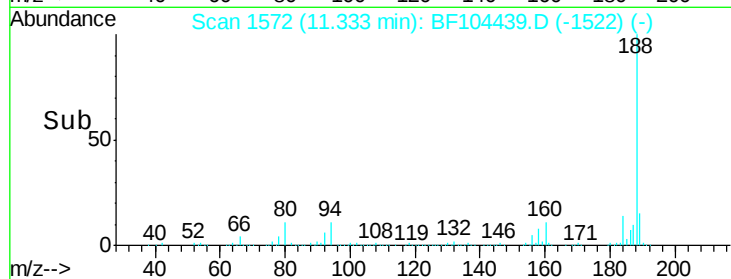
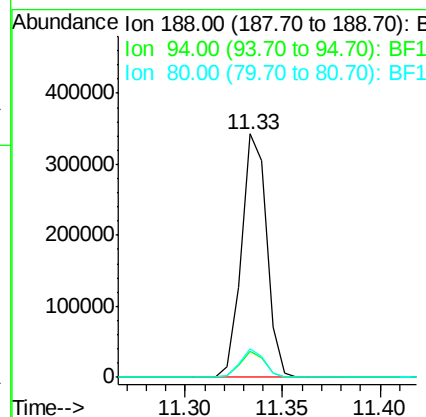
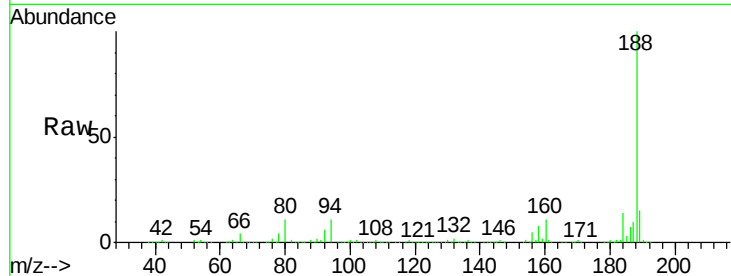
#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.33 min Scan# 1572
Delta R.T. -0.01 min
Lab File: BF104439.D
Acq: 11 Apr 2018 15:42

Instrument :
BNA_F
ClientSampleId :
OR-02-041018-B

Tot Ion	Ratio	Resp Lower	Upper
188	100		
94	10.5	8.5	12.7
80	11.5	9.2	13.8

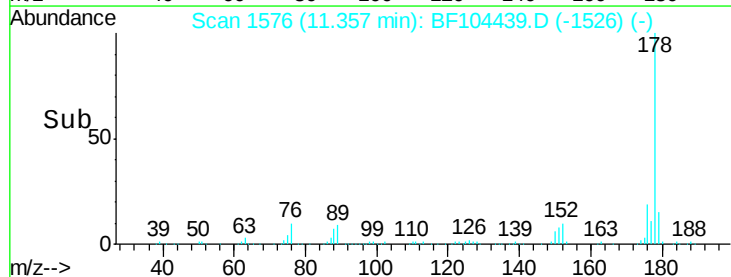
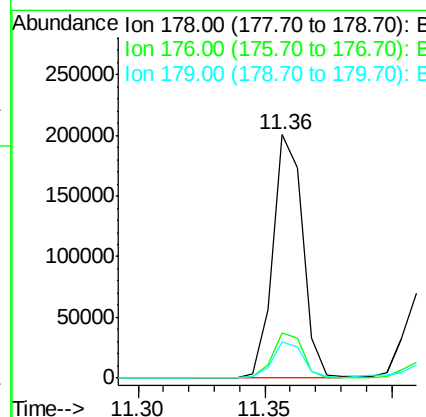
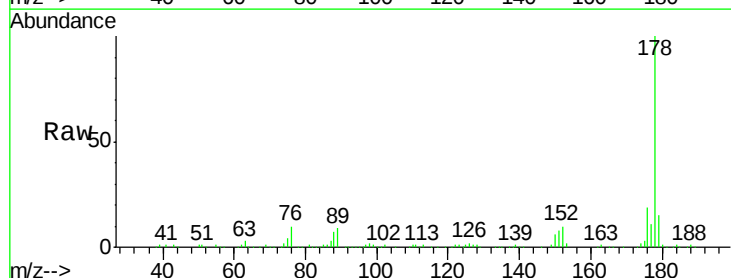
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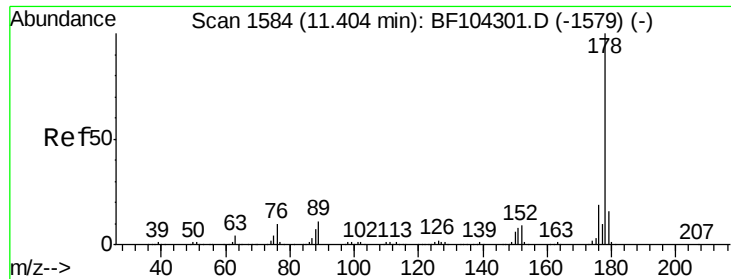
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#70
Phenanthrene
Concen: 9.715 ng
RT: 11.36 min Scan# 1576
Delta R.T. -0.01 min
Lab File: BF104439.D
Acq: 11 Apr 2018 15:42

Tgt Ion	Ratio	Resp Lower	Upper
178	100		
176	18.8	15.8	23.8
179	15.0	13.0	19.6





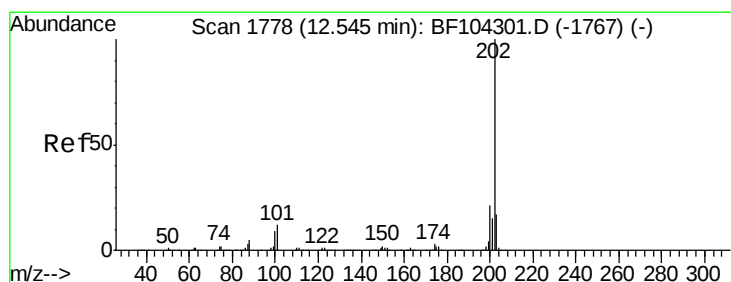
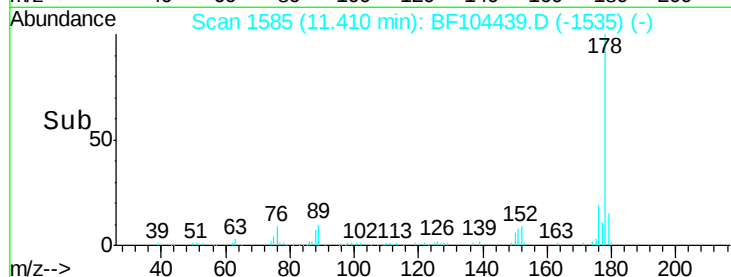
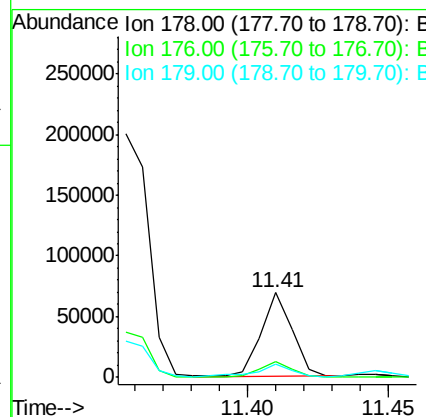
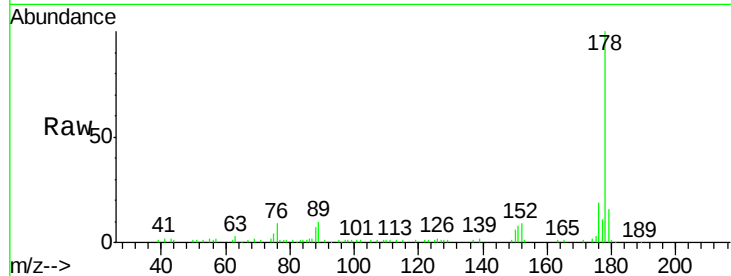
#71
 Anthracene
 Concen: 3.039 ng
 RT: 11.41 min Scan# 1585
 Delta R.T. -0.01 min
 Lab File: BF104439.D
 Acq: 11 Apr 2018 15:42

Instrument :
 BNA_F
 ClientSampleId :
 OR-02-041018-B

Tot Ion	Ratio	Lower	Upper
178	100		
176	18.6	15.4	23.2
179	15.7	12.6	19.0

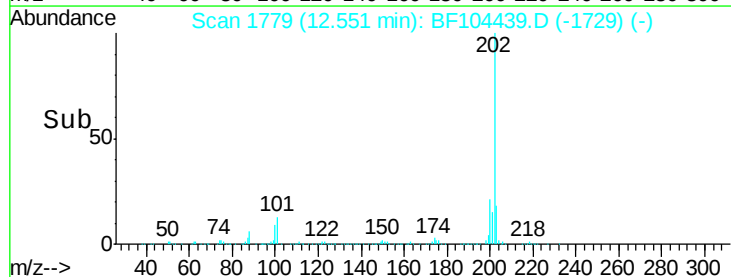
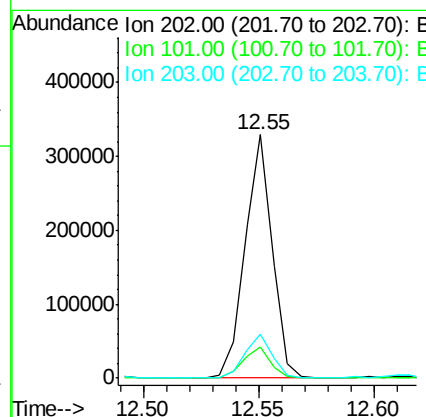
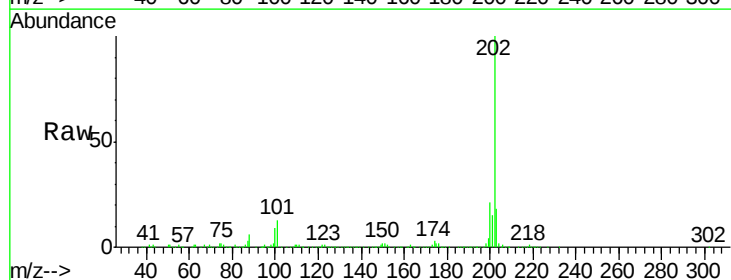
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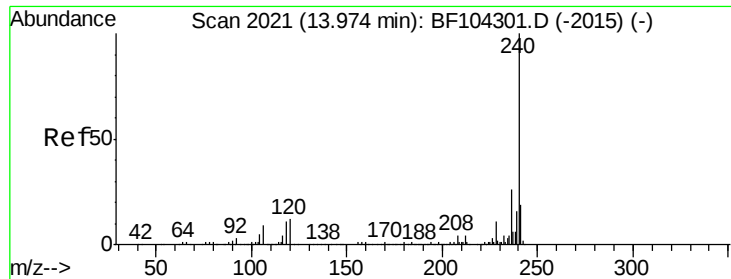
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#74
 Fluoranthene
 Concen: 15.004 ng
 RT: 12.55 min Scan# 1779
 Delta R.T. -0.01 min
 Lab File: BF104439.D
 Acq: 11 Apr 2018 15:42

Tgt Ion	Ratio	Lower	Upper
202	100		
101	12.8	0.0	34.1
203	18.0	0.0	38.1





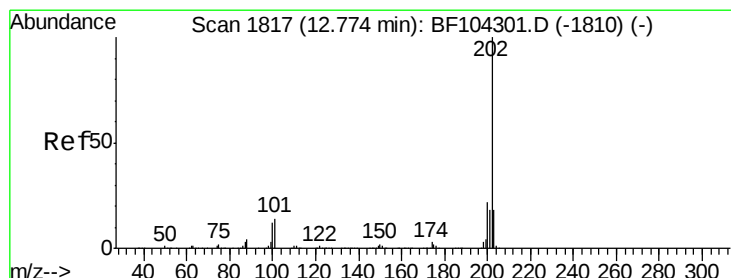
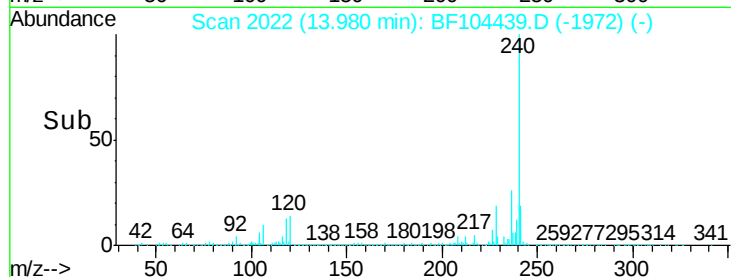
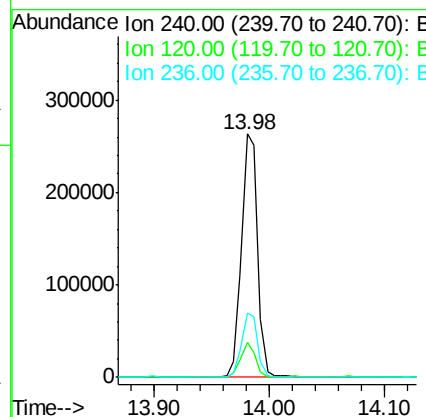
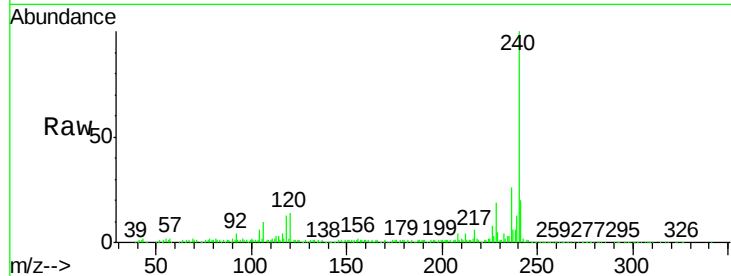
#75
Chrysene-d12
Concen: 20.000 ng
RT: 13.98 min Scan# 2022
Delta R.T. -0.01 min
Lab File: BF104439.D
Acq: 11 Apr 2018 15:42

Instrument :
BNA_F
ClientSampleId :
OR-02-041018-B

Tot Ion	Ratio	Resp	Lower	Upper
240	100	252398		
120	14.2	9.5	14.3	
236	26.5	20.7	31.1	

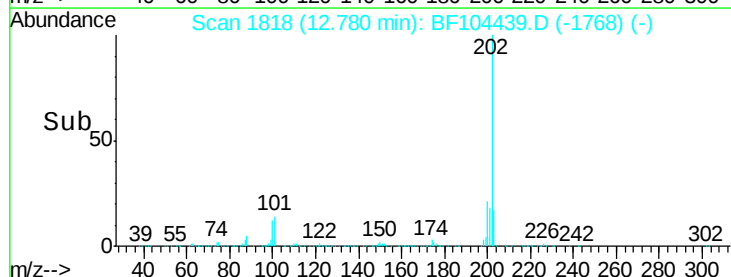
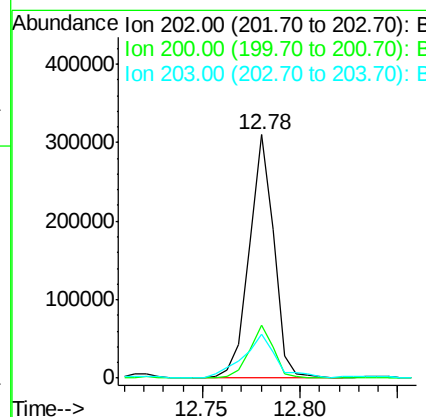
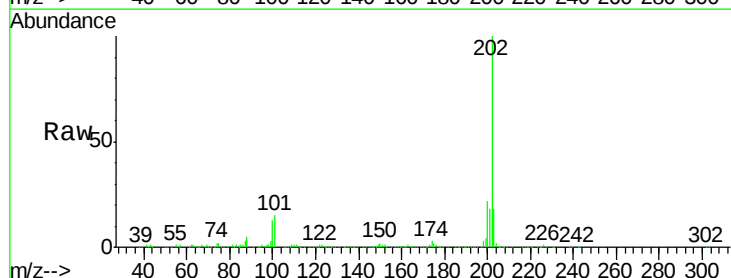
Manual Integrations
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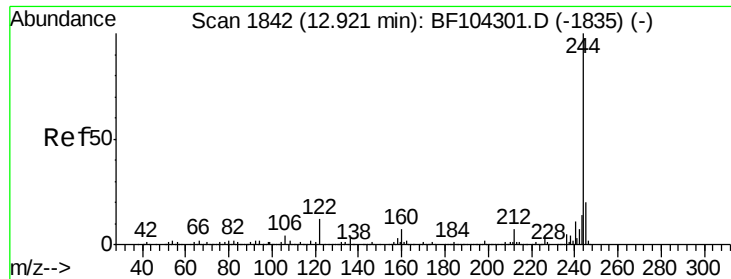
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#77
Pyrene
Concen: 14.400 ng
RT: 12.78 min Scan# 1818
Delta R.T. -0.01 min
Lab File: BF104439.D
Acq: 11 Apr 2018 15:42

Tgt Ion	Ratio	Resp	Lower	Upper
202	100	269411		
200	21.7	17.4	26.2	
203	17.8	14.3	21.5	





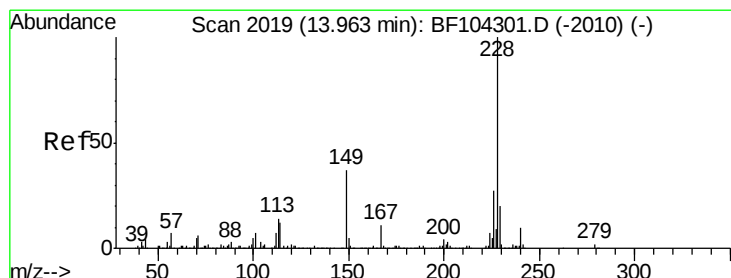
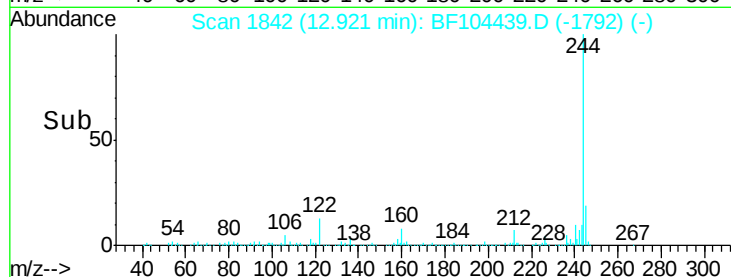
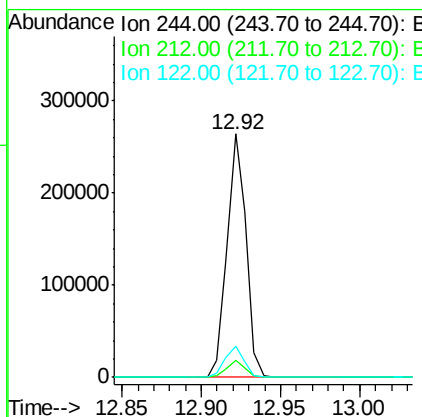
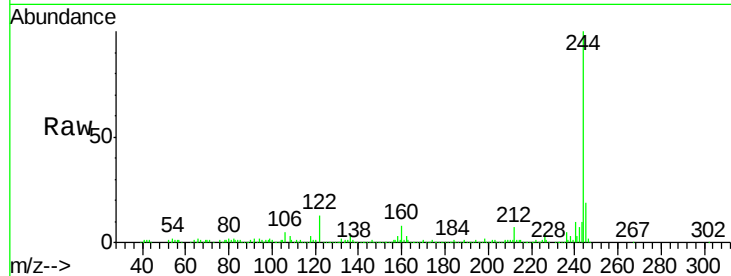
#78
 Terphenyl-d14
 Concen: 19.749 ng
 RT: 12.92 min Scan# 1842
 Delta R.T. -0.01 min
 Lab File: BF104439.D
 Acq: 11 Apr 2018 15:42

Instrument :
 BNA_F
 ClientSampleId :
 OR-02-041018-B

Tot Ion	Ratio	Lower	Upper
244	100		
212	6.8	5.4	8.0
122	12.9	11.0	16.4

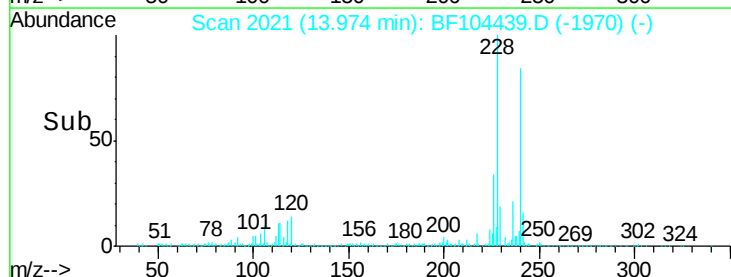
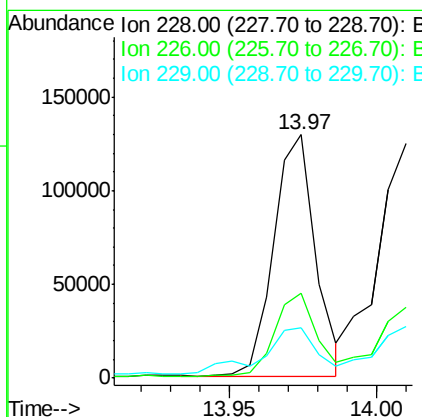
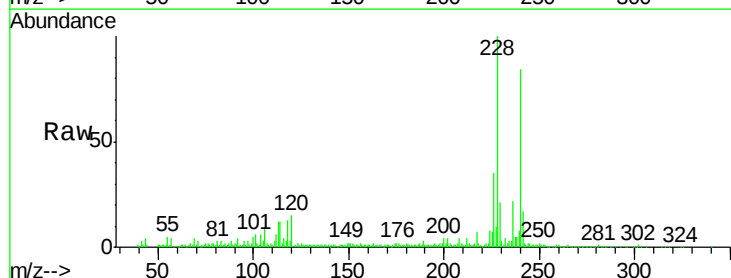
Manual Integrations
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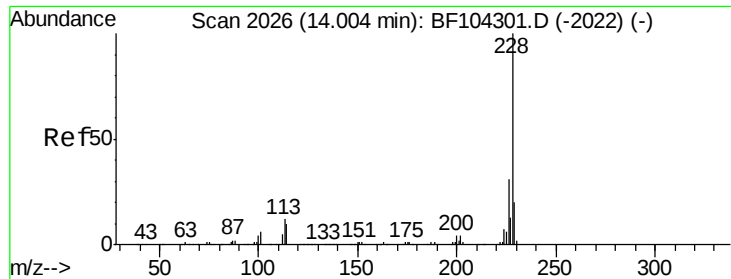
Sohil
 4/12/2018 2:30:40 PM



#80
 Benzo(a)anthracene
 Concen: 8.505 ng m
 RT: 13.97 min Scan# 2021
 Delta R.T. 0.00 min
 Lab File: BF104439.D
 Acq: 11 Apr 2018 15:42

Tgt Ion	Ratio	Lower	Upper
228	100		
226	34.8	22.6	33.8#
229	20.6	15.8	23.6





#82

Chrysene

Concen: 7.937 ng

RT: 14.01 min Scan# 2027

Delta R.T. 0.00 min

Lab File: BF104439.D

Acq: 11 Apr 2018 15:42

Instrument :

BNA_F

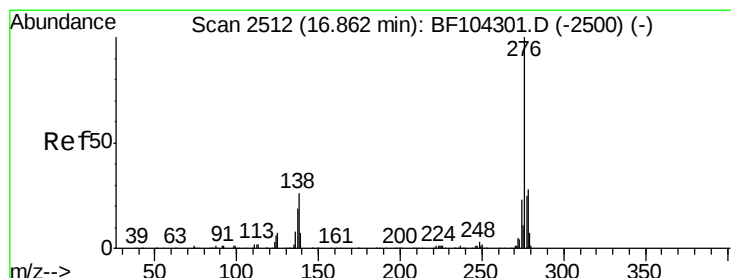
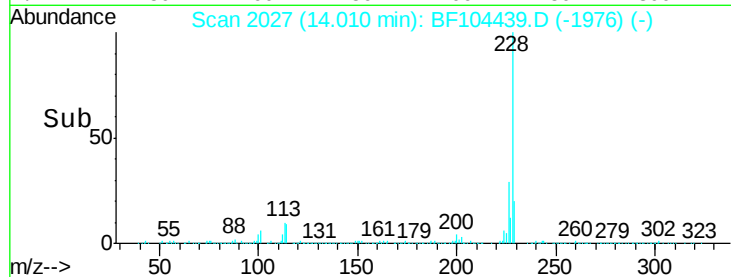
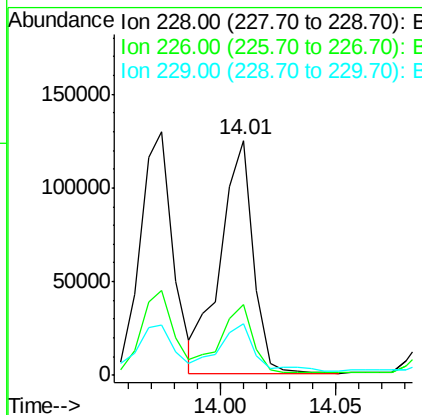
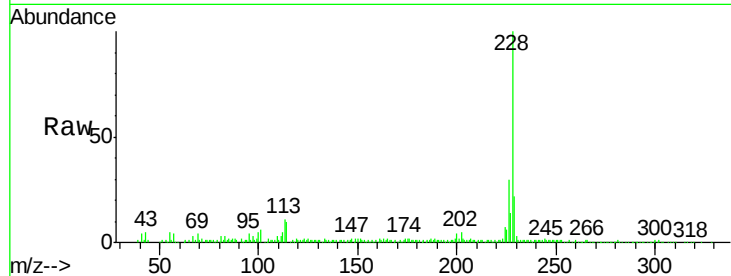
ClientSampleID :

OR-02-041018-B

Tot Ion:	228	Resp:	122924
Ion Ratio	Lower	Upper	
228	100		
226	29.9	25.0	37.6
229	21.9	16.2	24.4

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#85

Indeno(1,2,3-cd)pyrene

Concen: 3.733 ng m

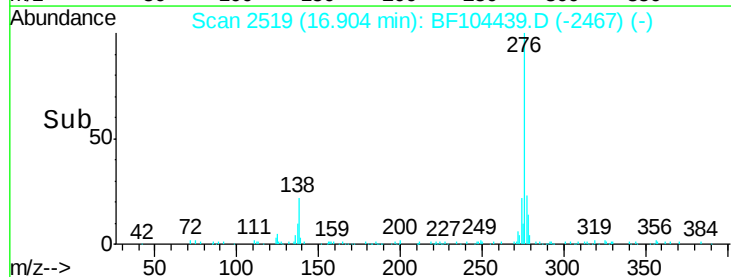
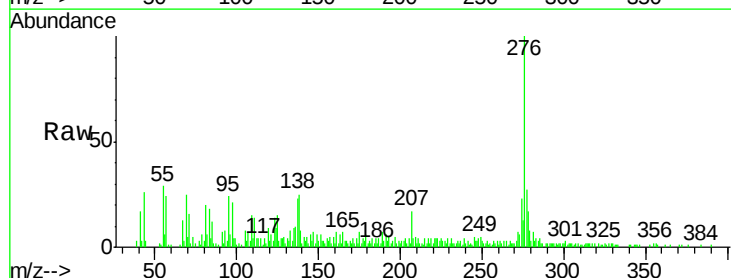
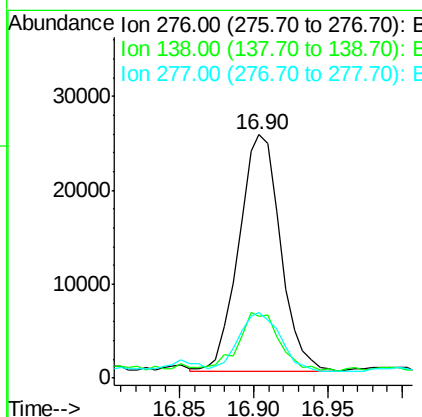
RT: 16.90 min Scan# 2519

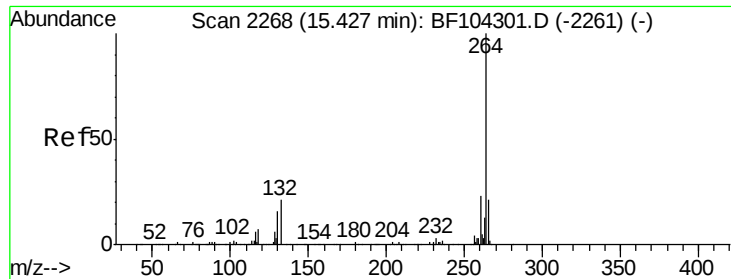
Delta R.T. 0.01 min

Lab File: BF104439.D

Acq: 11 Apr 2018 15:42

Tgt Ion:	276	Resp:	49118
Ion Ratio	Lower	Upper	
276	100		
138	5.9	25.0	37.6#
277	5.9	20.1	30.1#





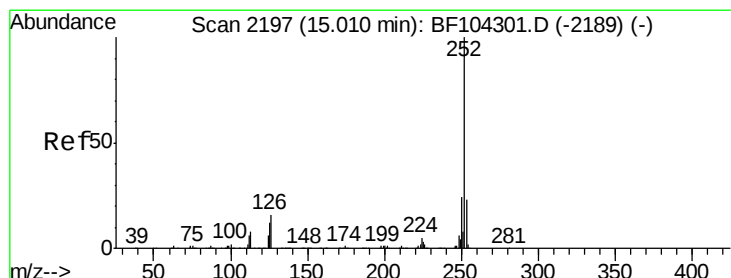
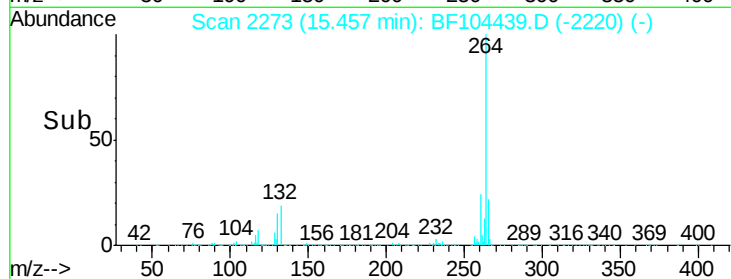
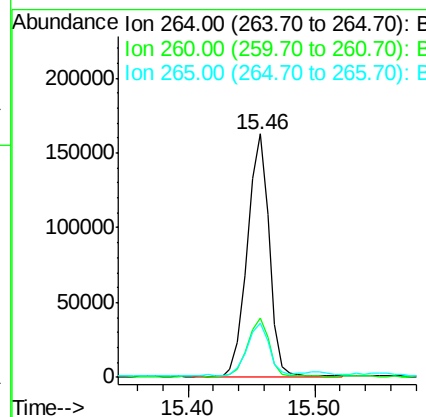
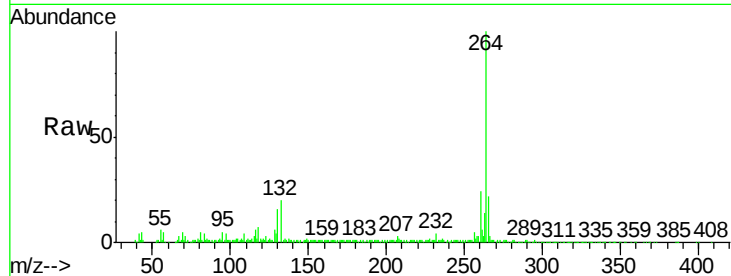
#86
Pervlene-d12
Concen: 20.000 ng
RT: 15.46 min Scan# 2273
Delta R.T. 0.01 min
Lab File: BF104439.D
Acq: 11 Apr 2018 15:42

Instrument :
BNA_F
ClientSampleId :
OR-02-041018-B

Tot Ion:	264	Resp:	193814
Ion Ratio	Lower	Upper	
264	100		
260	24.2	19.2	28.8
265	22.4	17.5	26.3

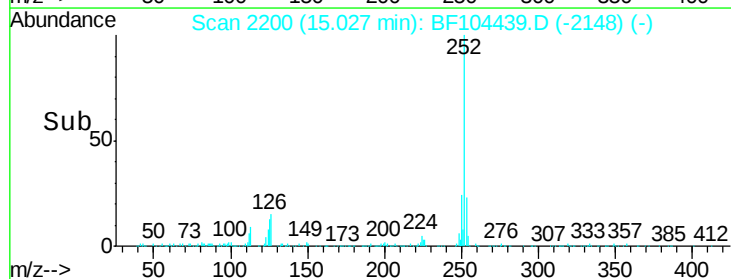
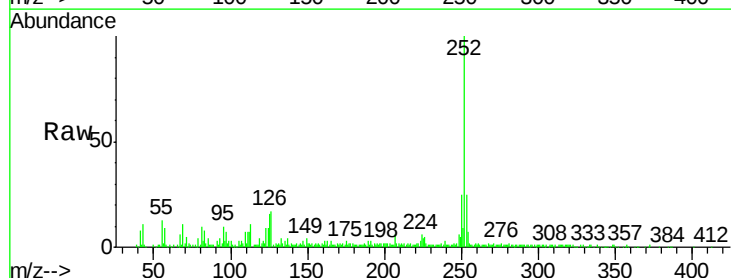
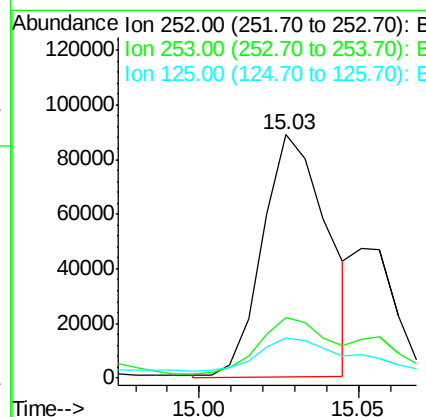
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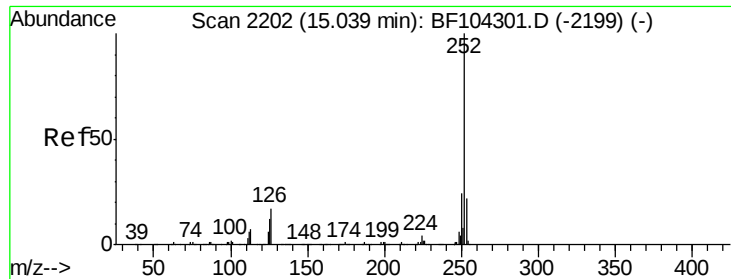
Sohil
4/12/2018 2:30:40 PM



#87
Benzo(b)fluoranthene
Concen: 10.249 ng m
RT: 15.03 min Scan# 2200
Delta R.T. 0.01 min
Lab File: BF104439.D
Acq: 11 Apr 2018 15:42

Tgt Ion:	252	Resp:	125452
Ion Ratio	Lower	Upper	
252	100		
253	24.9	17.0	25.6
125	16.3	9.0	13.6#





#88

Benzo(k)fluoranthene

Concen: 3.805 ng/mL

RT: 15.05 min Scan# 2204

Delta R.T. -0.01 min

Lab File: BF104439.D

Acq: 11 Apr 2018 15:42

Instrument :

BNA_F

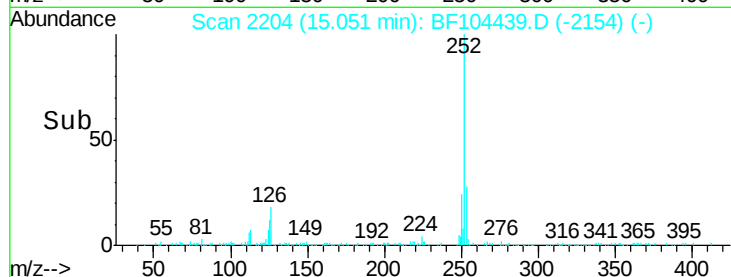
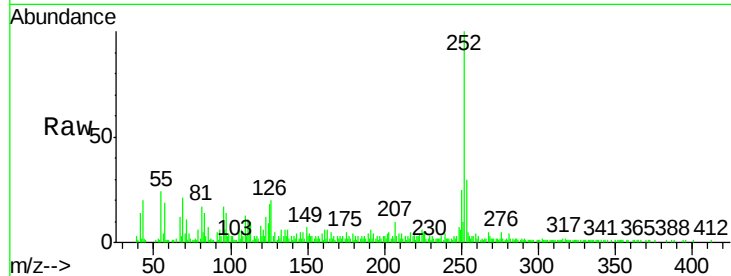
ClientSampleId :

OR-02-041018-B

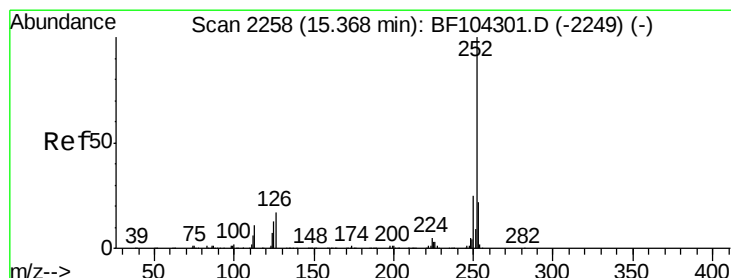
Tot Ion:	252	Resp:	43974
Ion Ratio	Lower	Upper	
252	100		
253	29.8	17.9	26.9#
125	18.1	10.2	15.2#

Manual Integrations
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4/12/2018 2:30:40 PM



Time-->



#89

Benzo(a)pyrene

Concen: 8.313 ng/mL

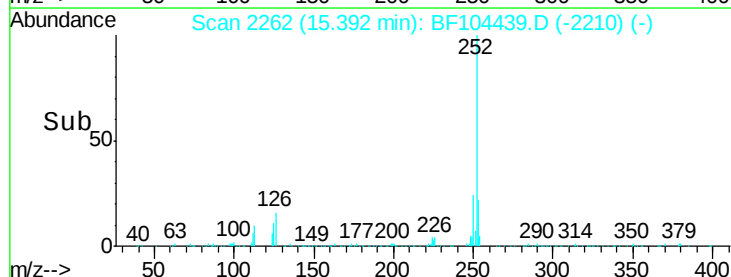
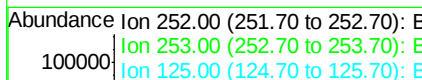
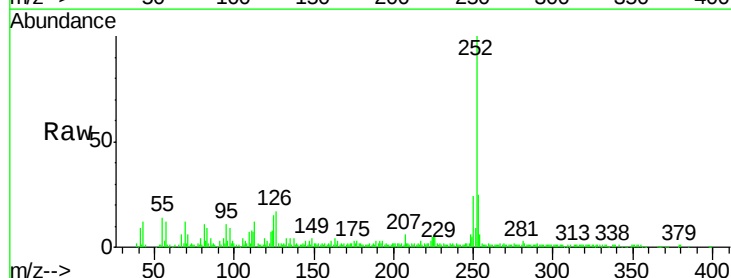
RT: 15.39 min Scan# 2262

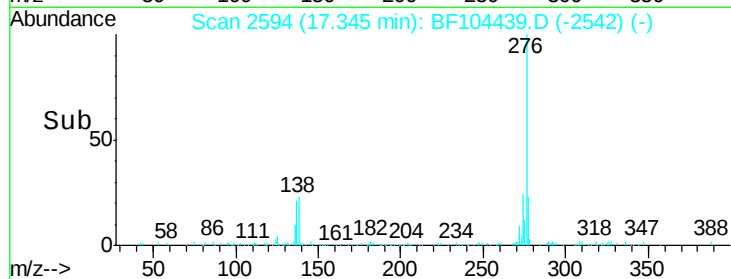
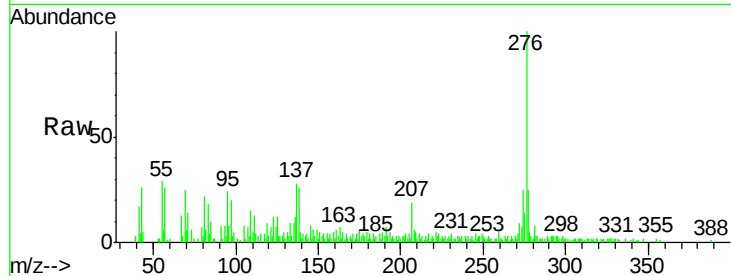
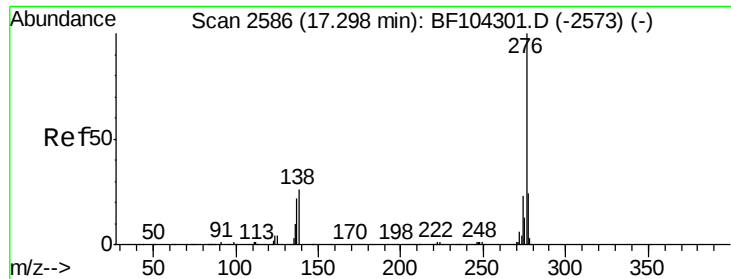
Delta R.T. 0.01 min

Lab File: BF104439.D

Acq: 11 Apr 2018 15:42

Tgt Ion:	252	Resp:	91053
Ion Ratio	Lower	Upper	
252	100		
253	24.5	17.1	25.7
125	15.3	9.8	14.6#





#91

Benzo(a,h,i)perylene

Concen: 5.605 ng

RT: 17.34 min Scan# 2594

Delta R.T. 0.01 min

Lab File: BF104439.D

Acq: 11 Apr 2018 15:42

Tot Ion:	276	Resp:	48847
Ion Ratio	Lower	Upper	
276	100		
277	25.5	17.9	26.9
138	25.8	21.8	32.8

Instrument :

BNA_F

ClientSampleId :

OR-02-041018-B

Manual Integrations
APPROVED

Sohil
4/12/2018 2:30:40 PM

