

Data Path : \\74.0.250.170\SV0ASRV\HPCHEM1\BNA F\DATA\BF040218\
 Data File : BF104134.D
 Acq On : 2 Apr 2018 14:48
 Operator : JU/SJ
 Sample : J1757-09 5X
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 EO-03-033018-B

Manual Integrations
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4/3/2018 2:27:03 PM

Quant Time: Apr 03 09:30:15 2018
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF032818.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Apr 02 13:40:00 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.96	152	99747	20.00	ng	0.00
21) Naphthalene-d8	8.24	136	433077	20.00	ng	0.00
38) Acenaphthene-d10	10.00	164	203350	20.00	ng	0.00
63) Phenanthrene-d10	11.49	188	331111	20.00	ng	0.00
75) Chrysene-d12	14.14	240	233886	20.00	ng	0.00
86) Perylene-d12	15.69	264	258383	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.59	112	106693m	17.06	ng	0.00
7) Phenol-d6	6.60	99	152825m	19.86	ng	0.00
23) Nitrobenzene-d5	7.53	82	93268m	13.17	ng	0.00
41) 2,4,6-Tribromophenol	10.79	330	35769	15.80	ng	0.00
44) 2-Fluorobiphenyl	9.31	172	185813	14.41	ng	0.00
78) Terphenyl-d14	13.07	244	140390	13.86	ng	0.00
Target Compounds						
70) Phenanthrene	11.52	178	141523	7.895	ng	98
71) Anthracene	11.57	178	47960m	2.561	ng	
74) Fluoranthene	12.72	202	102073	5.357	ng	96
77) Pyrene	12.94	202	89877	5.346	ng	99
80) Benzo(a)anthracene	14.13	228	37394	2.555	ng	95
82) Chrysene	14.17	228	35253m	2.459	ng	
87) Benzo(b)fluoranthene	15.23	252	31788m	2.022	ng	
89) Benzo(a)pyrene	15.62	252	29872	2.050	ng	# 85

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

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Misc :
ALS Vial : 11 Sample Multiplier: 1

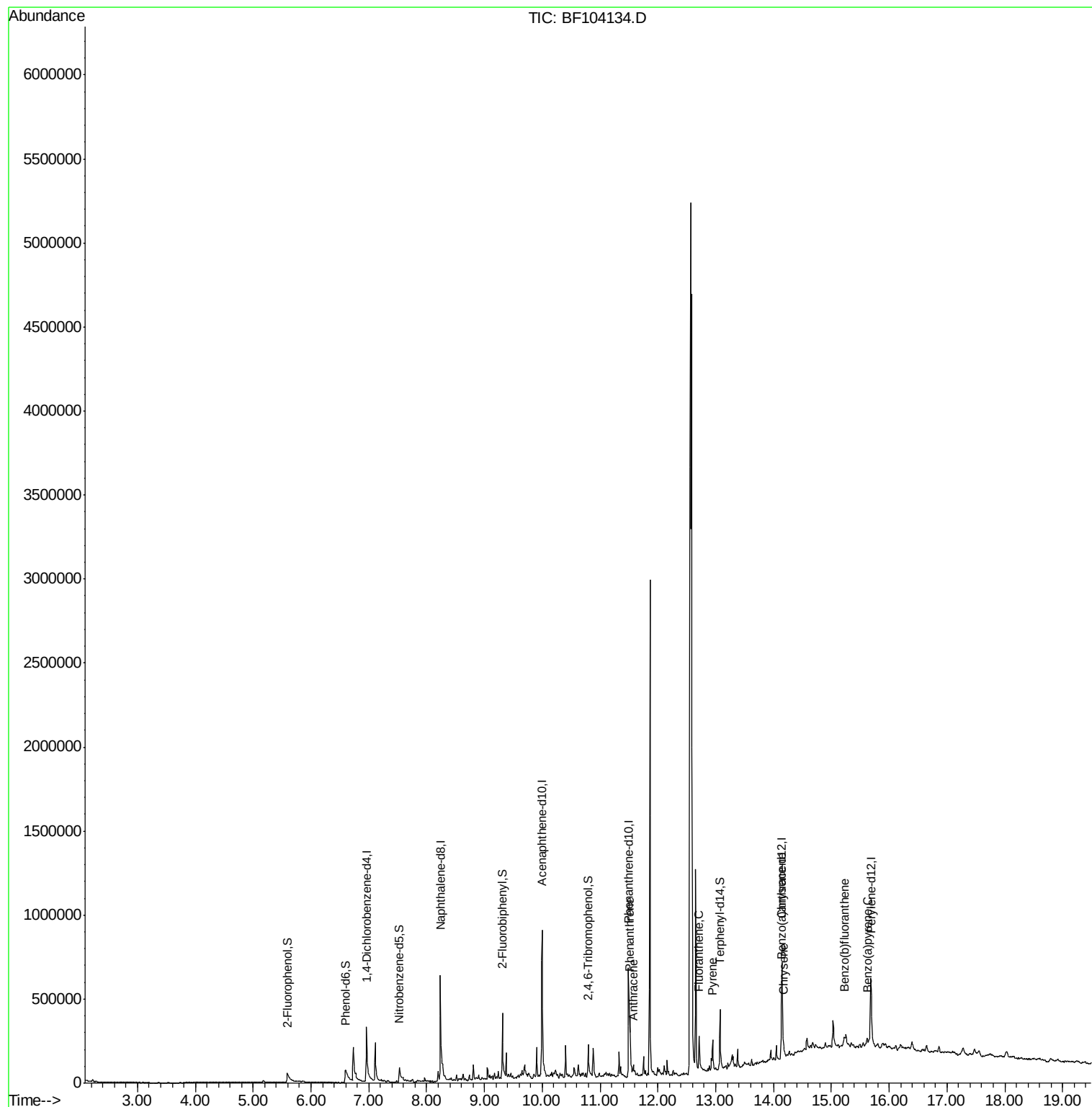
Instrument :
BNA_F
ClientSampleId :
EO-03-033018-B

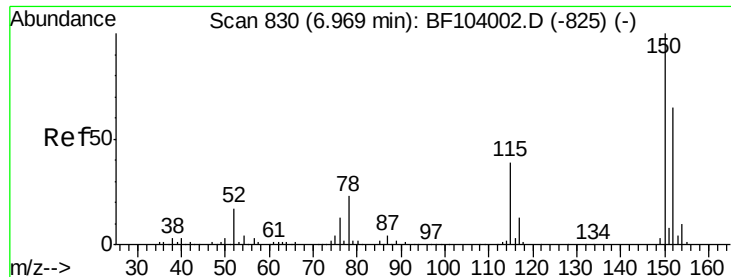
Manual Integrations
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Quant Time: Apr 03 09:30:15 2018
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF032818.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Apr 02 13:40:00 2018
Response via : Initial Calibration

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#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.96 min Scan# 828
Delta R.T. -0.01 min
Lab File: BF104134.D
Acq: 2 Apr 2018 14:48

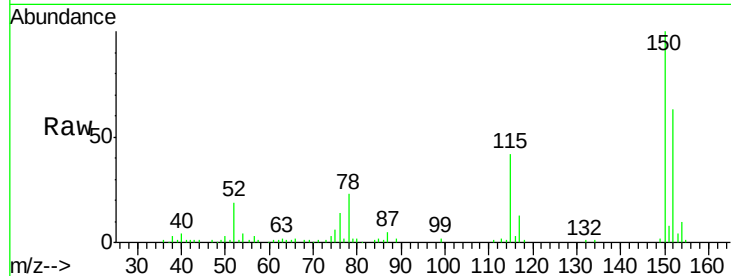
Instrument :
BNA_F
ClientSampleId :
EO-03-033018-B

Tot Ion	Ratio	Lower	Upper
152	100		
150	157.9	124.6	186.8
115	65.7	50.1	75.1

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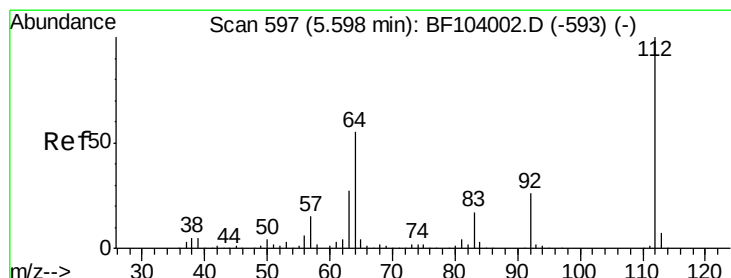
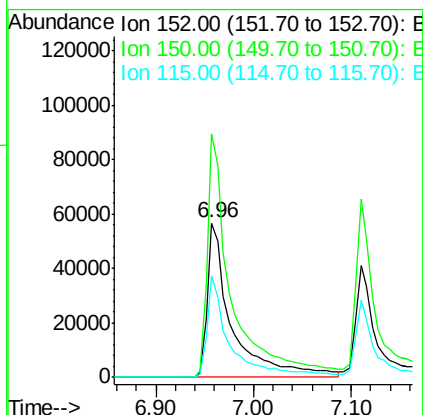
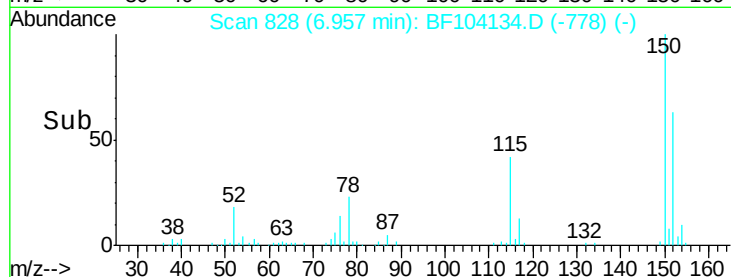


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

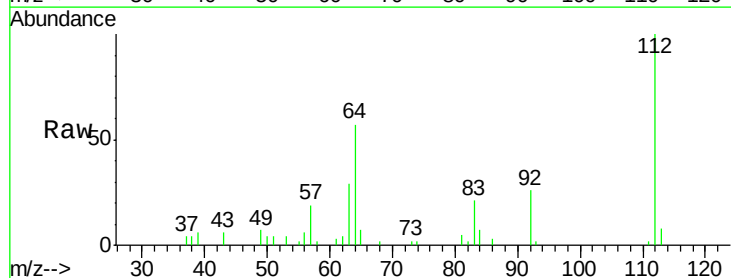
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 17.058 ng m
RT: 5.59 min Scan# 596
Delta R.T. 0.01 min
Lab File: BF104134.D
Acq: 2 Apr 2018 14:48

Tgt Ion	Ratio	Lower	Upper
112	100		
64	56.9	47.9	71.9
63	28.9	23.7	35.5

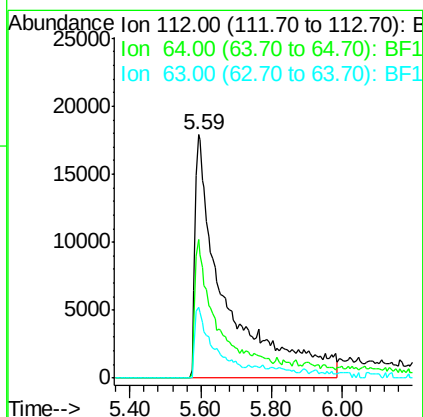
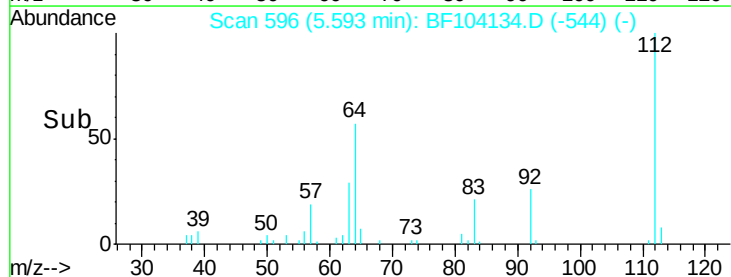


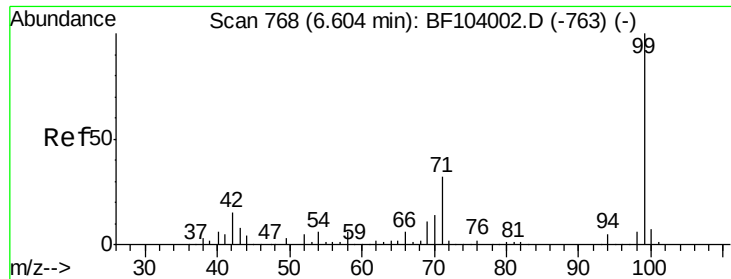
Abundance

Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF1

Ion 63.00 (62.70 to 63.70): BF1





#7

Phenol-d6

Concen: 19.860 ng/mL

RT: 6.60 min Scan# 767

Delta R.T. -0.00 min

Lab File: BF104134.D

Acq: 2 Apr 2018 14:48

Instrument :

BNA_F

ClientSampleID :

EO-03-033018-B

Tot Ion: 99 Resp: 152825

Ion Ratio Lower Upper

99 100

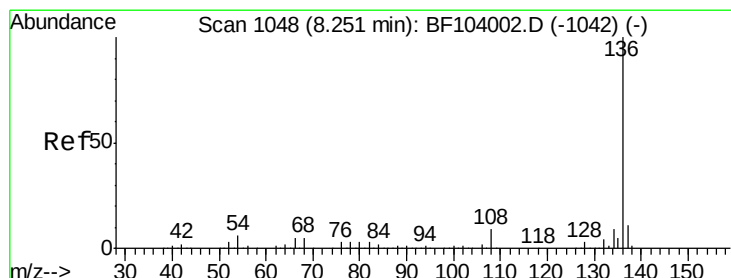
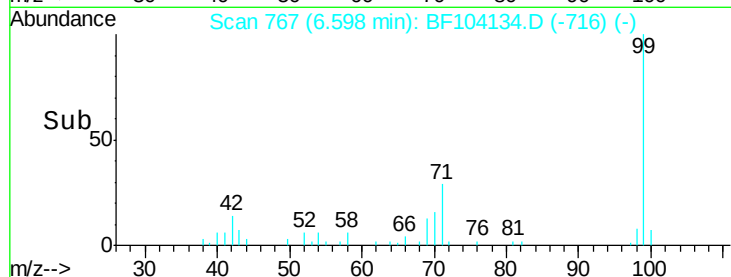
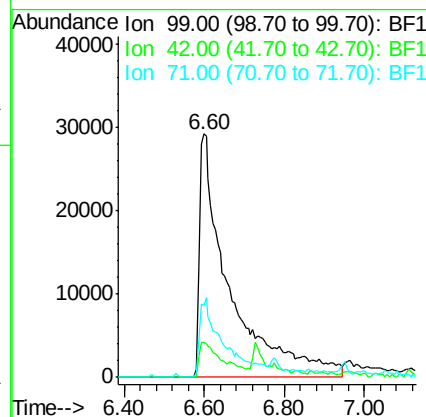
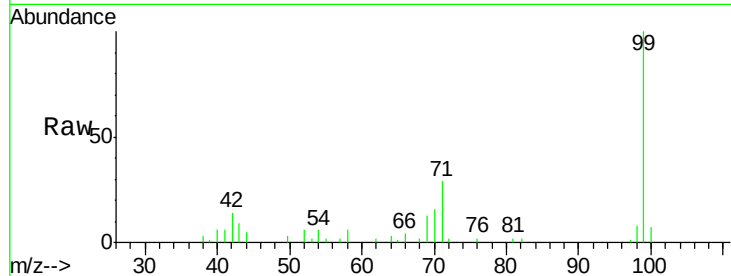
42 14.2 14.5 21.7#

71 29.4 25.4 38.0

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#21

Naphthalene-d8

Concen: 20.000 ng/mL

RT: 8.24 min Scan# 1046

Delta R.T. -0.01 min

Lab File: BF104134.D

Acq: 2 Apr 2018 14:48

Tgt Ion: 136 Resp: 433077

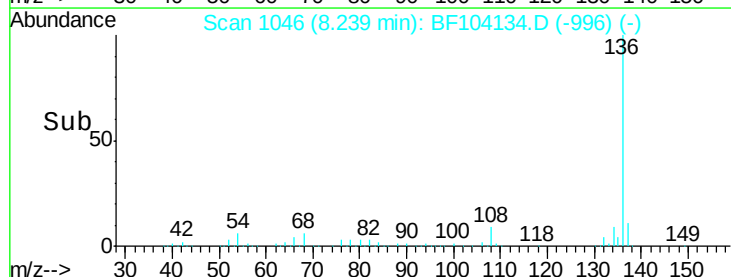
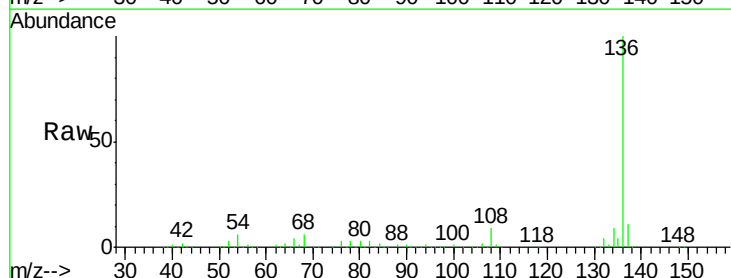
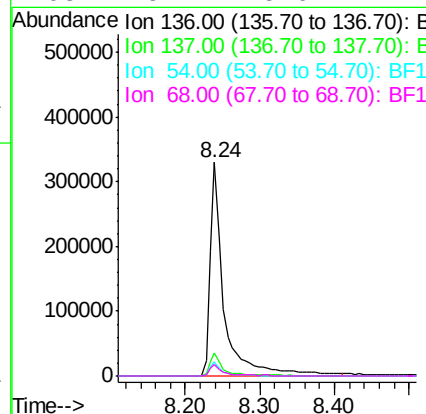
Ion Ratio Lower Upper

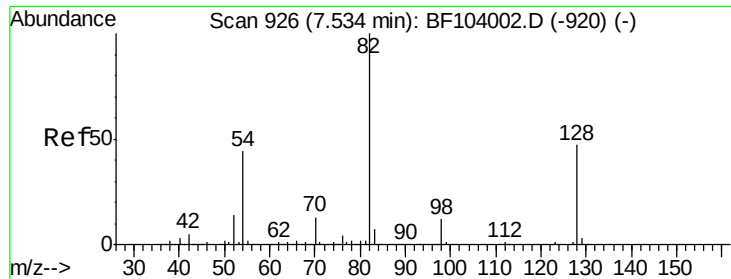
136 100

137 10.8 8.9 13.3

54 6.4 6.6 9.8#

68 5.7 5.0 7.4





#23
Nitrobenzene-d5
Concen: 13.171 ng/ml
RT: 7.53 min Scan# 925
Delta R.T. -0.00 min
Lab File: BF104134.D
Acq: 2 Apr 2018 14:48

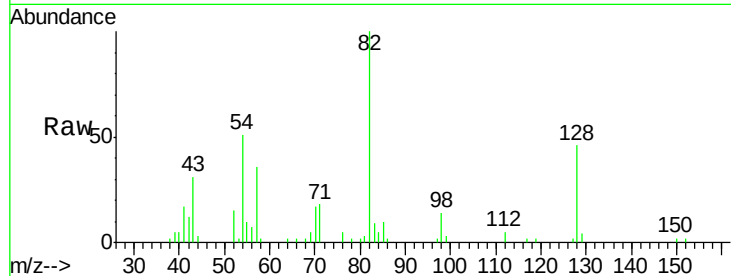
Instrument :
BNA_F
ClientSampleId :
EO-03-033018-B

Tot Ion:	82	Resp:	93268
Ion Ratio	Lower	Upper	
82	100		
128	46.2	36.1	54.1
54	51.0	41.4	62.2

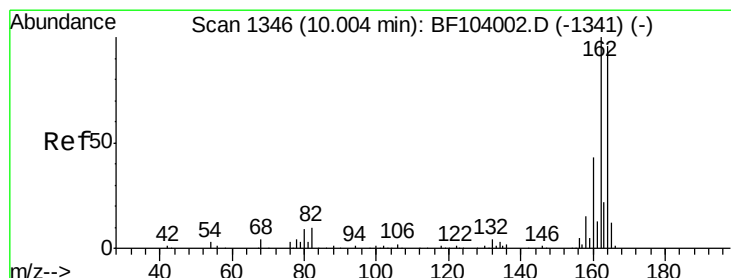
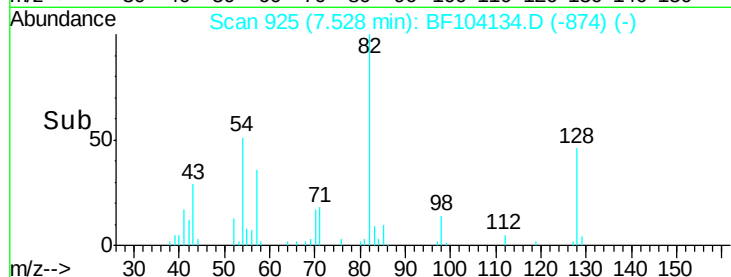
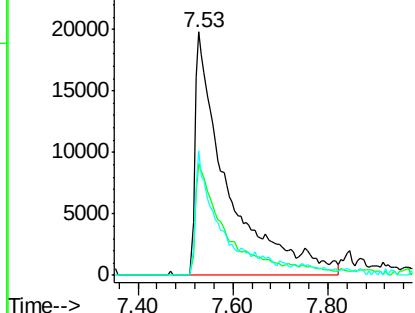
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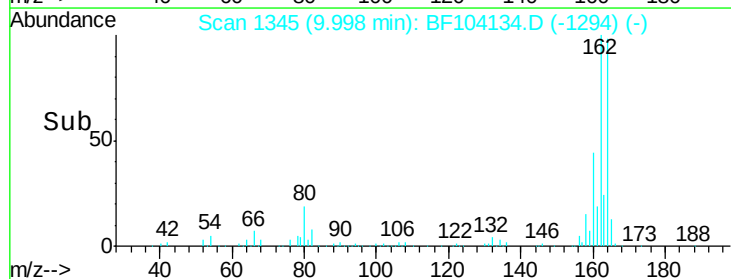
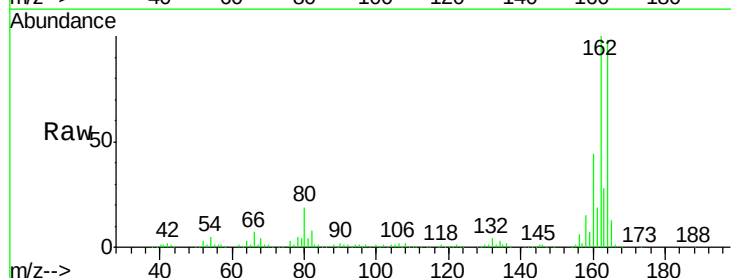
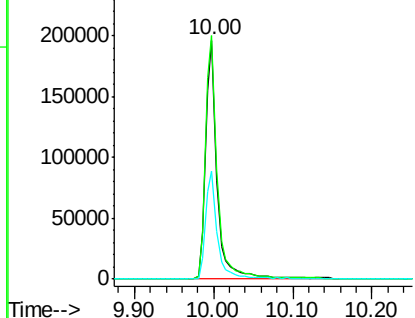
Abundance Ion 82.00 (81.70 to 82.70): BF1
Ion 128.00 (127.70 to 128.70): BF1
Ion 54.00 (53.70 to 54.70): BF1

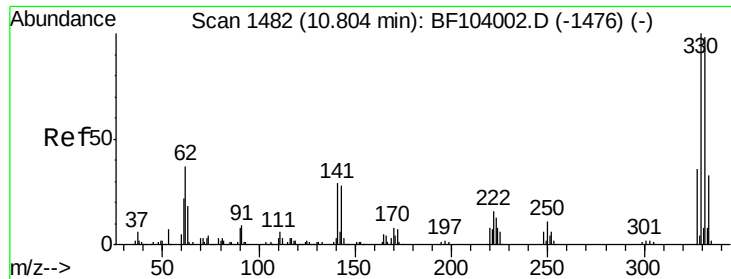


#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 10.00 min Scan# 1345
Delta R.T. -0.00 min
Lab File: BF104134.D
Acq: 2 Apr 2018 14:48

Tgt Ion:	164	Resp:	203350
Ion Ratio	Lower	Upper	
164	100		
162	101.9	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: 15.797 ng
 RT: 10.79 min Scan# 1480
 Delta R.T. -0.01 min
 Lab File: BF104134.D
 Acq: 2 Apr 2018 14:48

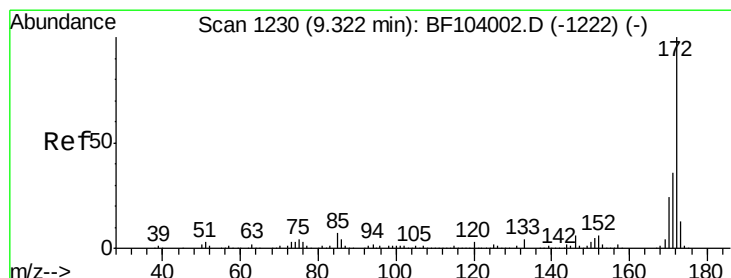
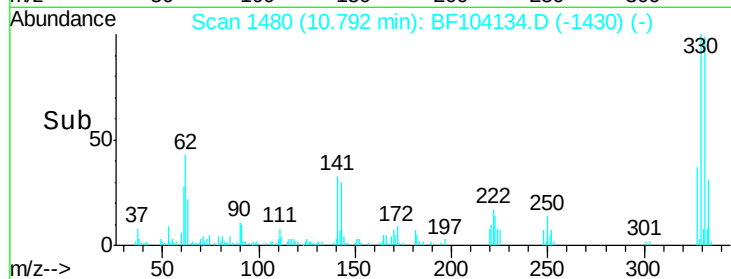
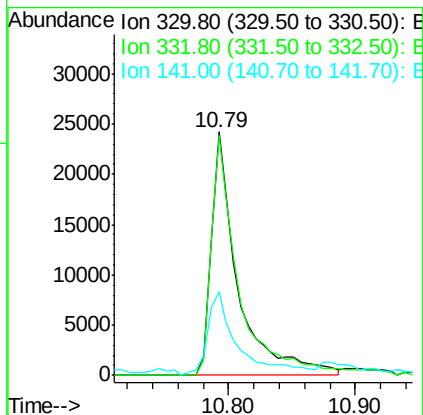
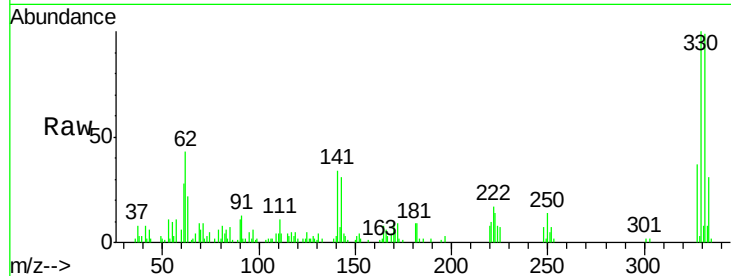
Instrument :
 BNA_F
 ClientSampleId :
 EO-03-033018-B

Tot Ion	Ratio	Lower	Upper
330	100		
332	100.6	77.0	115.6
141	39.4	29.9	44.9

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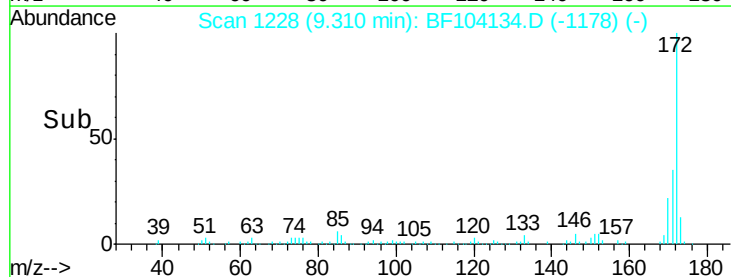
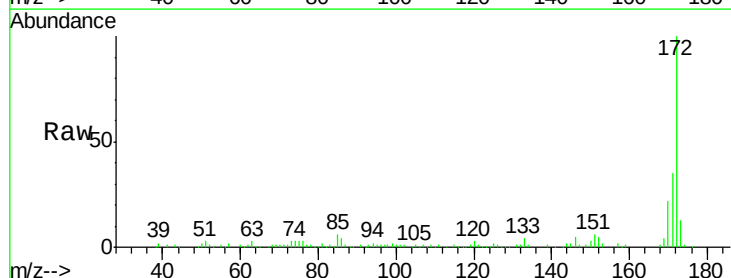
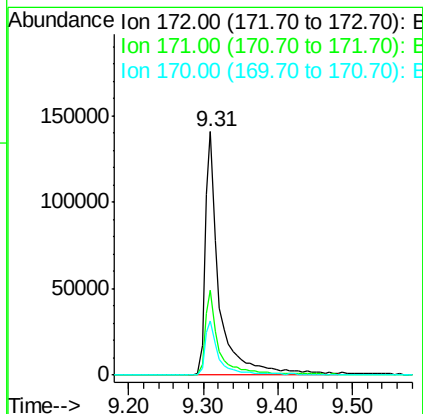
Sohil

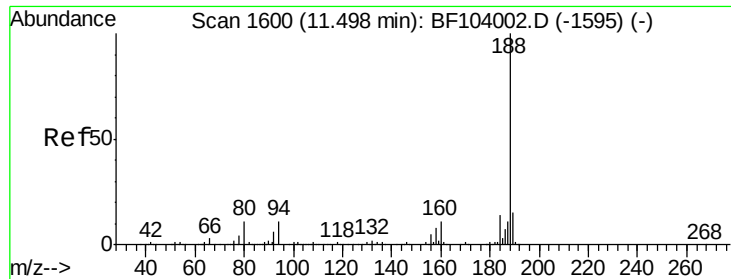
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#44
 2-Fluorobiphenyl
 Concen: 14.409 ng
 RT: 9.31 min Scan# 1228
 Delta R.T. -0.01 min
 Lab File: BF104134.D
 Acq: 2 Apr 2018 14:48

Tgt Ion	Ratio	Lower	Upper
172	100		
171	34.7	29.7	44.5
170	22.0	19.6	29.4





#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.49 min Scan# 1599
Delta R.T. -0.01 min
Lab File: BF104134.D
Acq: 2 Apr 2018 14:48

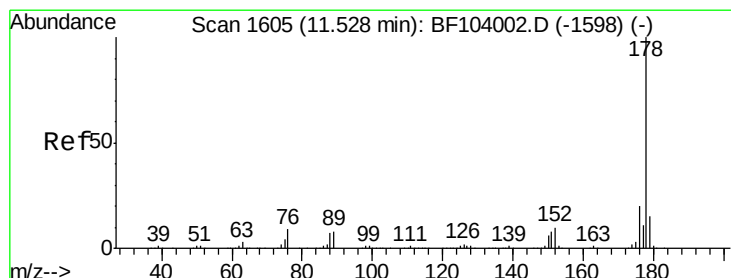
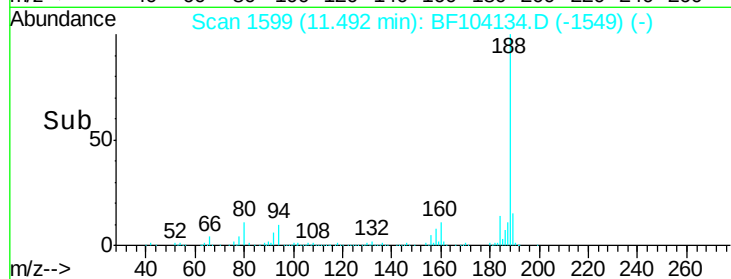
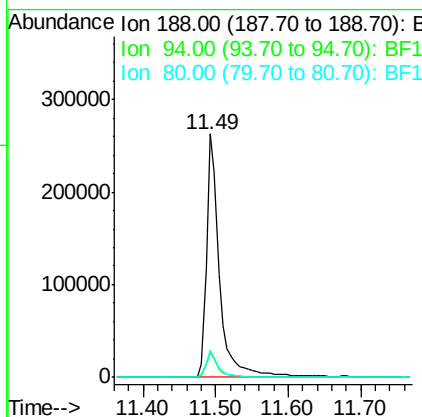
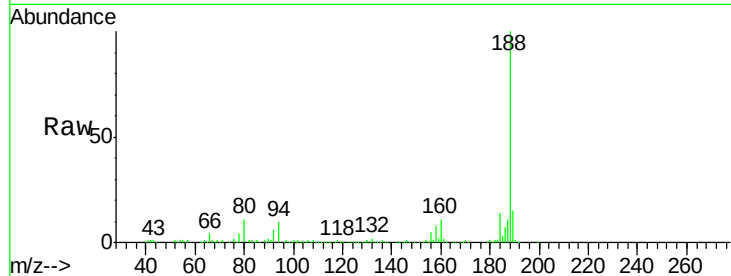
Instrument :
BNA_F
ClientSampleId :
EO-03-033018-B

Tot Ion	Ratio	Resp	Lower	Upper
188	100	331111		
94	10.1		8.5	12.7
80	11.0		9.2	13.8

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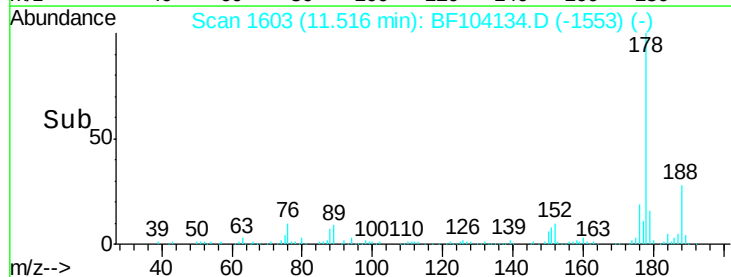
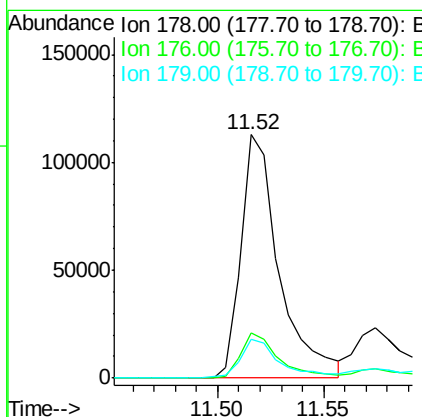
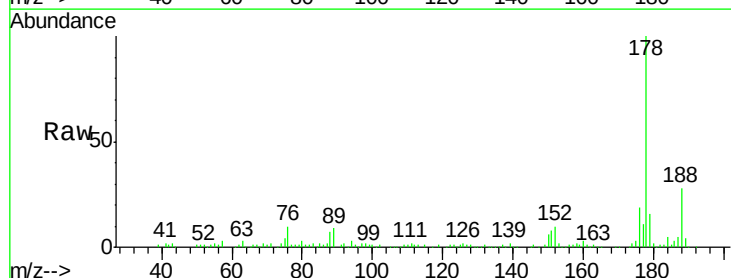
Sohil

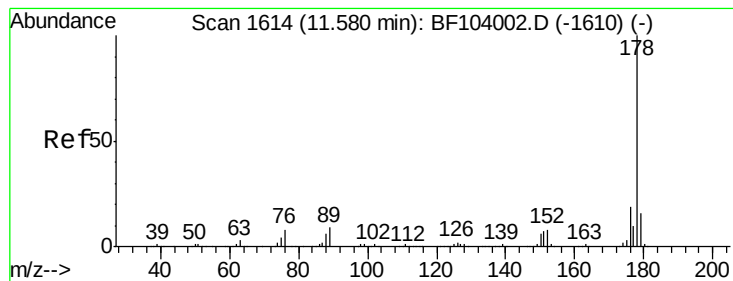
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#70
Phenanthrene
Concen: 7.895 ng
RT: 11.52 min Scan# 1603
Delta R.T. -0.01 min
Lab File: BF104134.D
Acq: 2 Apr 2018 14:48

Tgt Ion	Ratio	Resp	Lower	Upper
178	100	141523		
176	18.5		15.8	23.8
179	15.9		13.0	19.6





#71

Anthracene

Concen: 2.561 ng/mL

RT: 11.57 min Scan# 1613

Delta R.T. -0.00 min

Lab File: BF104134.D

Acq: 2 Apr 2018 14:48

Instrument :

BNA_F

ClientSampleID :

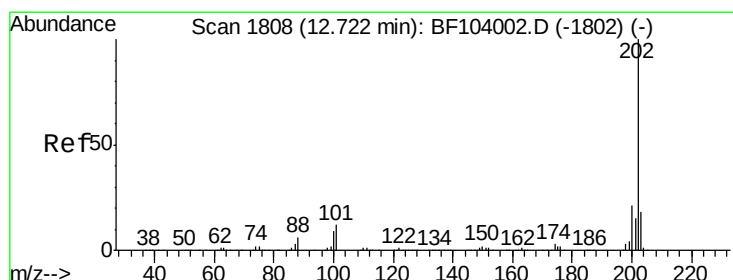
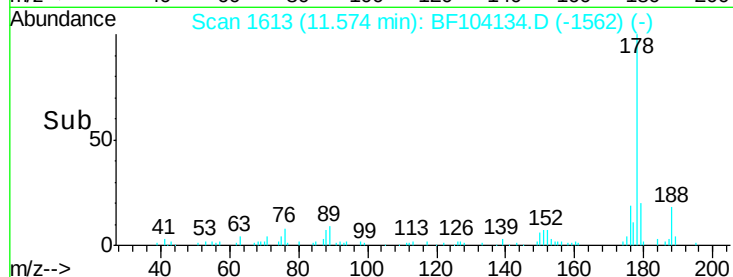
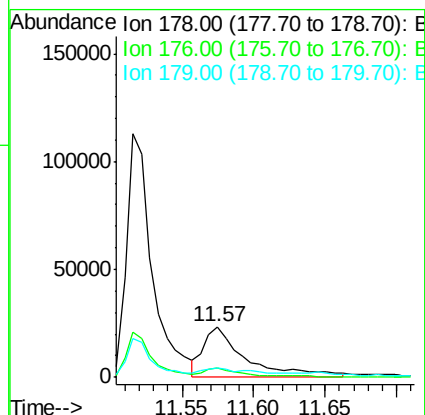
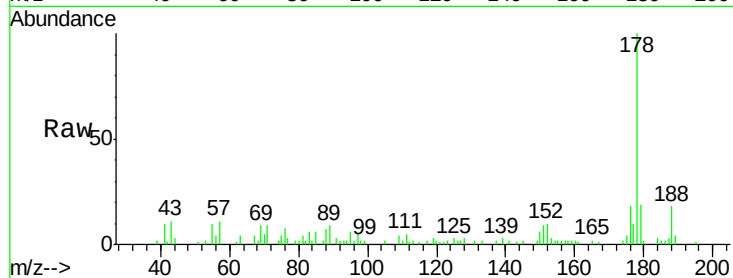
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Tot Ion:	178	Resp:	47960
Ion	Ratio	Lower	Upper
178	100		
176	18.4	15.4	23.2
179	19.3	12.6	19.0

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#74

Fluoranthene

Concen: 5.357 ng/mL

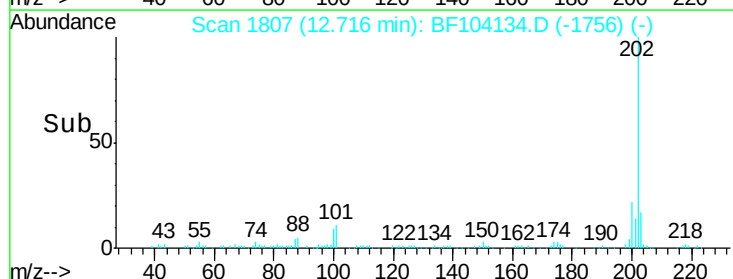
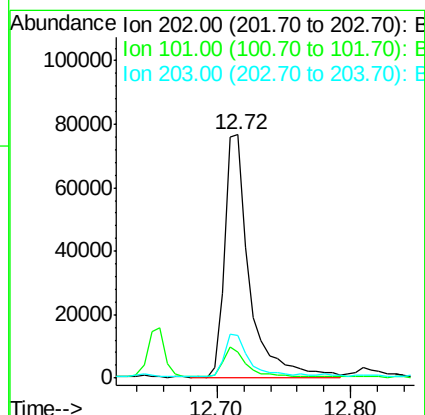
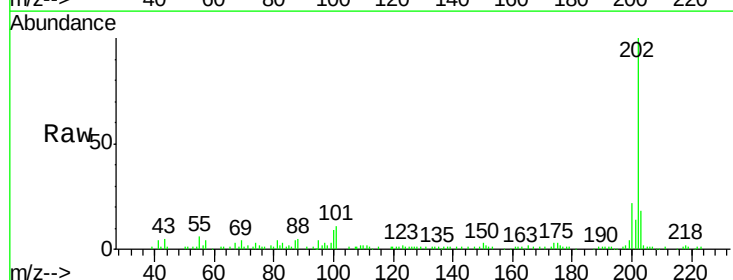
RT: 12.72 min Scan# 1807

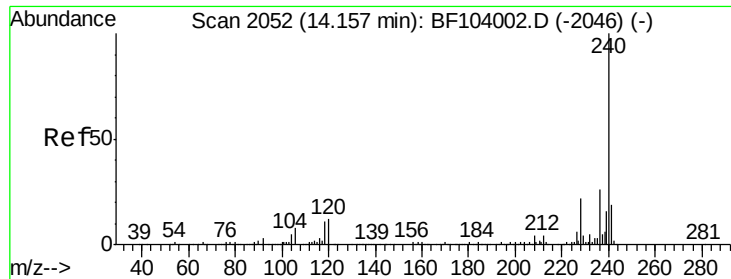
Delta R.T. -0.00 min

Lab File: BF104134.D

Acq: 2 Apr 2018 14:48

Tgt Ion:	202	Resp:	102073
Ion	Ratio	Lower	Upper
202	100		
101	10.8	0.0	34.1
203	17.5	0.0	38.1





#75
Chrysene-d12
Concen: 20.000 ng
RT: 14.14 min Scan# 2050
Delta R.T. -0.01 min
Lab File: BF104134.D
Acq: 2 Apr 2018 14:48

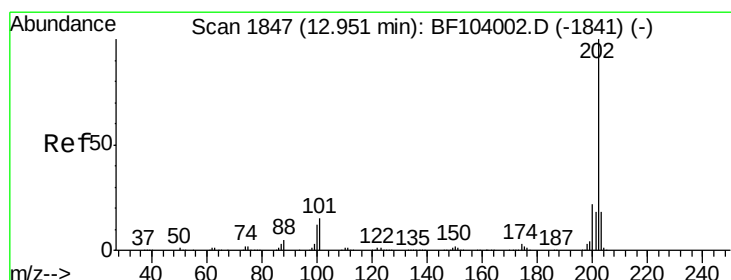
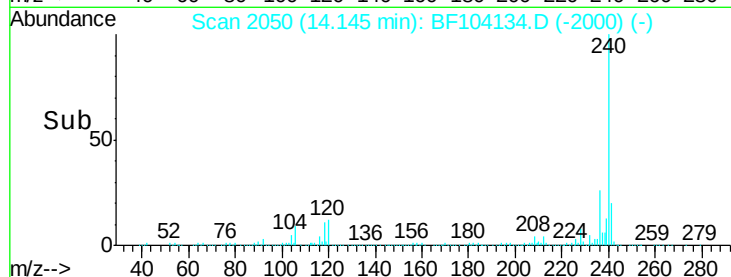
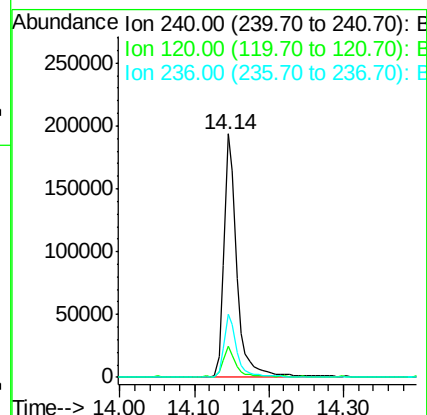
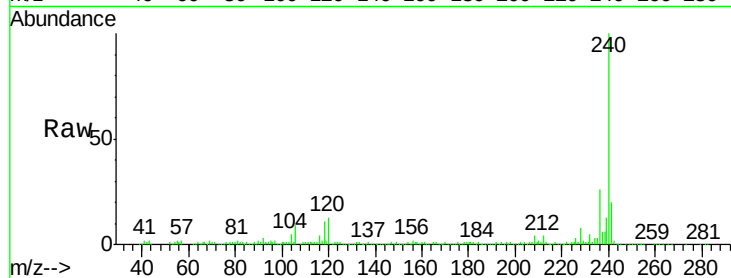
Instrument :
BNA_F
ClientSampleId :
EO-03-033018-B

Tot Ion	Ratio	Resp	Lower	Upper
240	100	233886		
120	12.8	9.5	14.3	
236	25.8	20.7	31.1	

Manual Integrations
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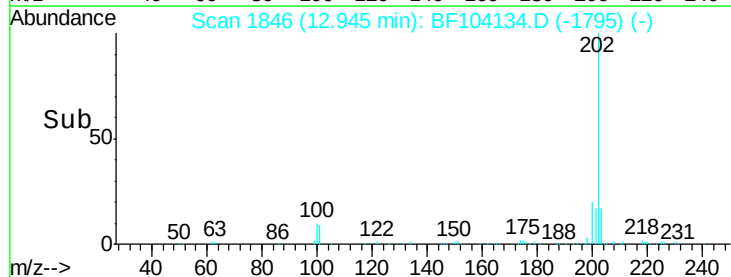
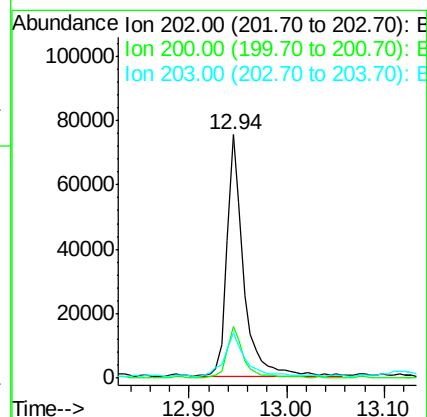
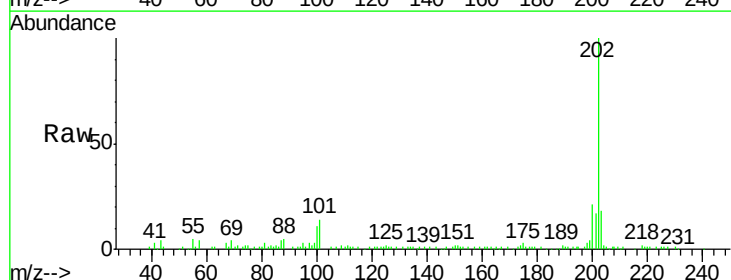
Sohil

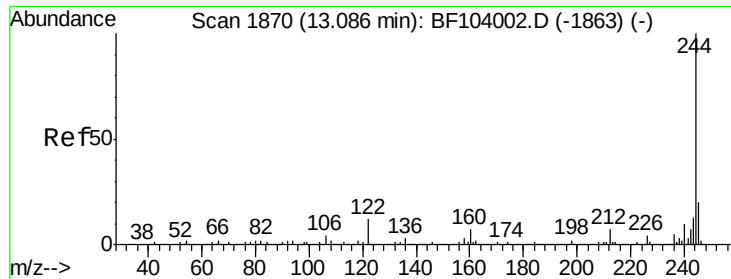
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#77
Pyrene
Concen: 5.346 ng
RT: 12.94 min Scan# 1846
Delta R.T. -0.00 min
Lab File: BF104134.D
Acq: 2 Apr 2018 14:48

Tgt Ion	Ratio	Resp	Lower	Upper
202	100	89877		
200	21.3	17.4	26.2	
203	18.4	14.3	21.5	





#78
 Terphenyl-d14
 Concen: 13.859 ng
 RT: 13.07 min Scan# 1868
 Delta R.T. -0.01 min
 Lab File: BF104134.D
 Acq: 2 Apr 2018 14:48

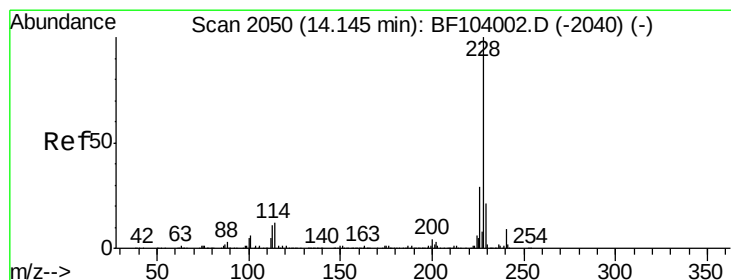
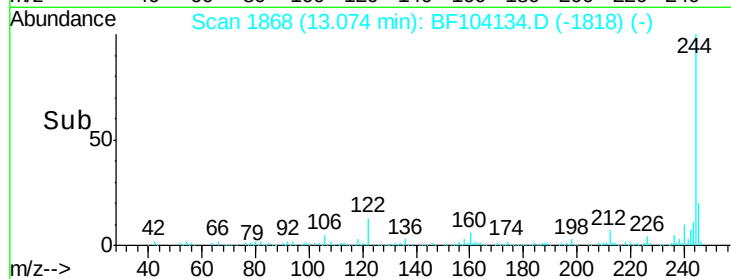
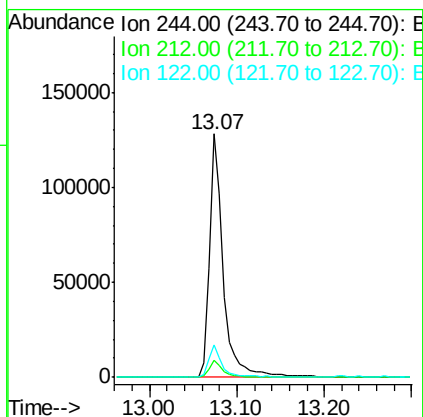
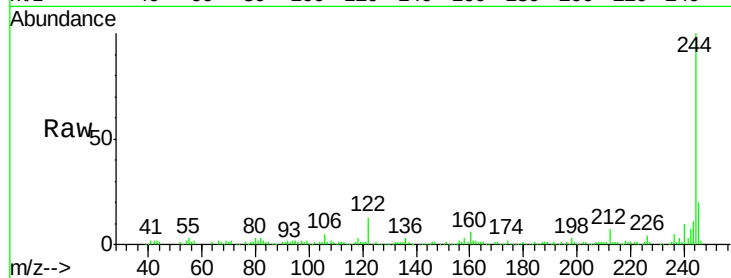
Instrument :
 BNA_F
 ClientSampleId :
 EO-03-033018-B

Tot Ion	Ratio	Lower	Upper
244	100		
212	6.9	5.4	8.0
122	13.4	11.0	16.4

Manual Integrations
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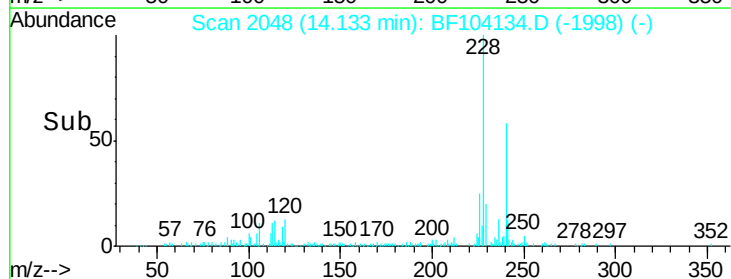
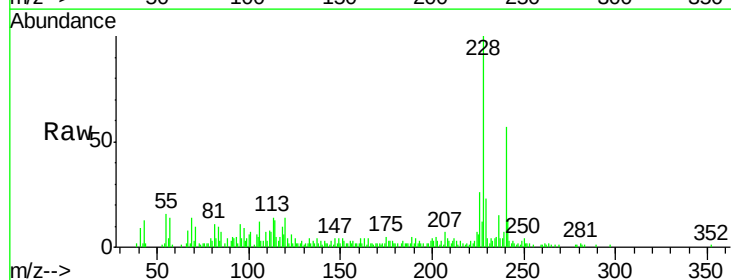
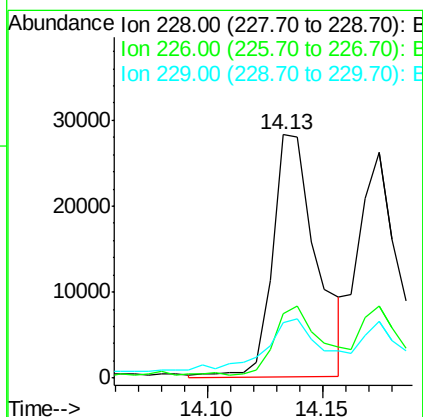
Sohil

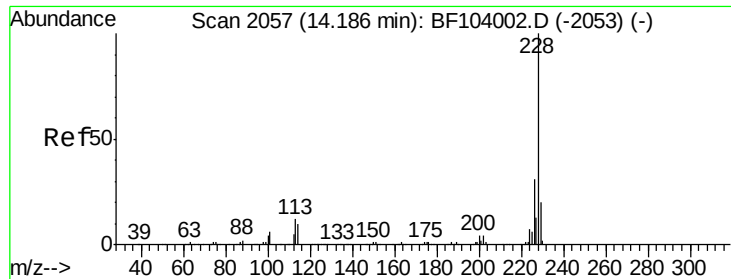
4/3/2018 2:27:03 PM



#80
 Benzo(a)anthracene
 Concen: 2.555 ng
 RT: 14.13 min Scan# 2048
 Delta R.T. -0.01 min
 Lab File: BF104134.D
 Acq: 2 Apr 2018 14:48

Tgt Ion	Ratio	Lower	Upper
228	100		
226	26.3	22.6	33.8
229	22.9	15.8	23.6





#82
Chrysene
Concen: 2.459 ng/mL
RT: 14.17 min Scan# 2055
Delta R.T. -0.01 min
Lab File: BF104134.D
Acq: 2 Apr 2018 14:48

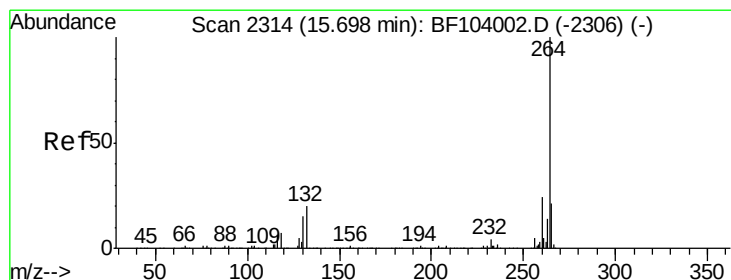
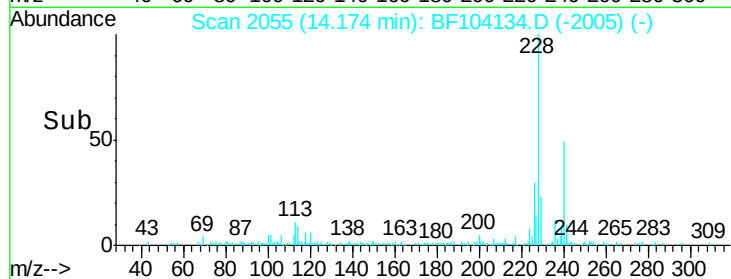
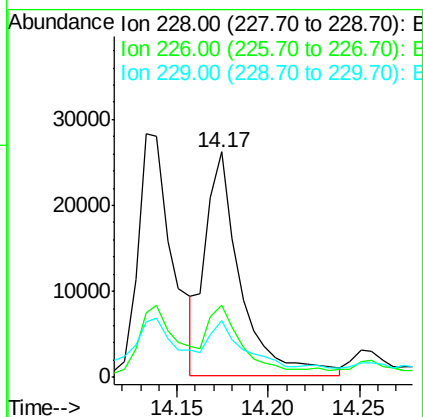
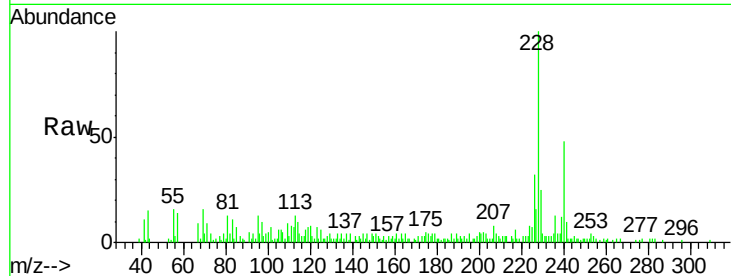
Instrument :
BNA_F
ClientSampleId :
EO-03-033018-B

Tot Ion:	228	Resp:	35253
Ion Ratio	Lower	Upper	
228	100		
226	31.8	25.0	37.6
229	25.1	16.2	24.4

Manual Integrations
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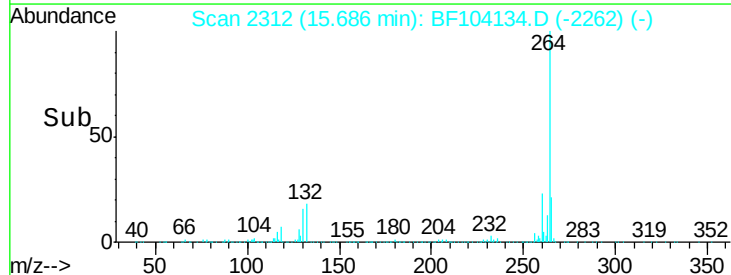
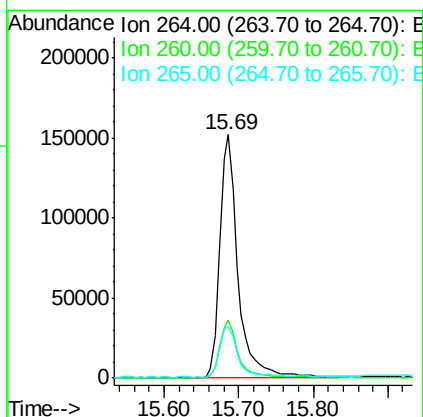
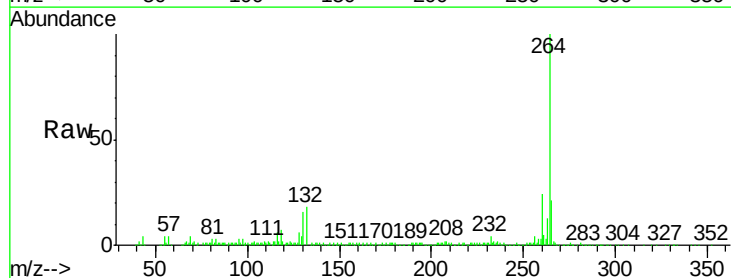
Sohil

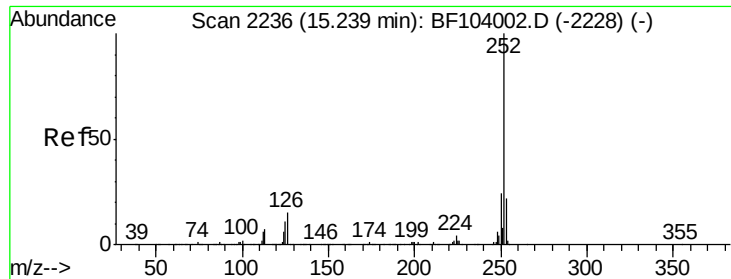
4/3/2018 2:27:03 PM



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.69 min Scan# 2312
Delta R.T. -0.01 min
Lab File: BF104134.D
Acq: 2 Apr 2018 14:48

Tgt Ion:	264	Resp:	258383
Ion Ratio	Lower	Upper	
264	100		
260	23.6	19.2	28.8
265	21.3	17.5	26.3





#87
Benzo(b)fluoranthene
Concen: 2.022 ng/mL
RT: 15.23 min Scan# 2234
Delta R.T. -0.01 min
Lab File: BF104134.D
Acq: 2 Apr 2018 14:48

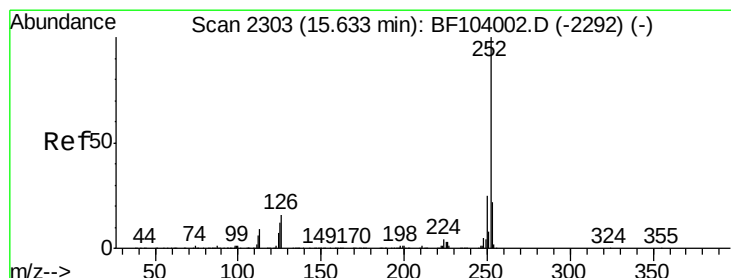
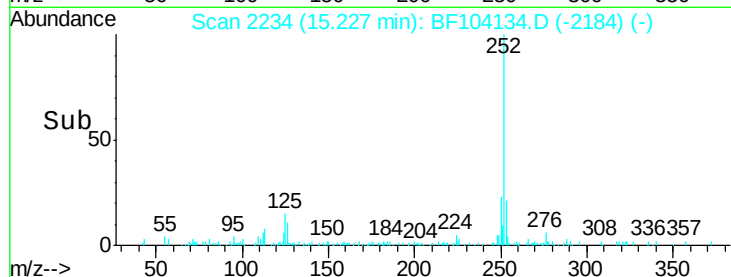
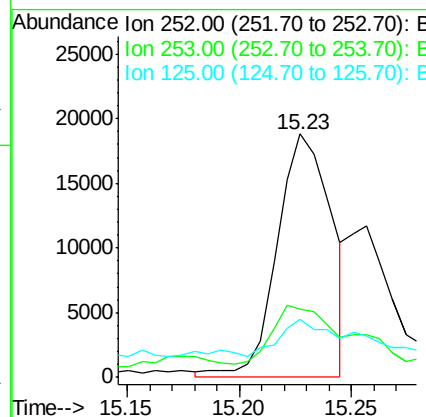
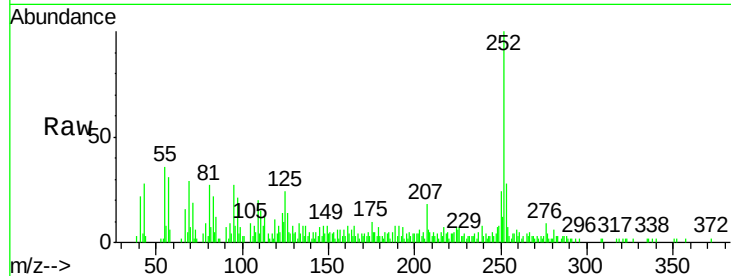
Instrument :
BNA_F
ClientSampleId :
EO-03-033018-B

Tot Ion	Ratio	Lower	Upper
252	100		
253	28.2	17.0	25.6#
125	23.6	9.0	13.6#

Manual Integrations
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Sohil

4/3/2018 2:27:03 PM



#89
Benzo(a)pyrene
Concen: 2.050 ng/mL
RT: 15.62 min Scan# 2301
Delta R.T. -0.01 min
Lab File: BF104134.D
Acq: 2 Apr 2018 14:48

Tgt Ion	Ratio	Lower	Upper
252	100		
253	25.8	17.1	25.7#
125	21.7	9.8	14.6#

