

Data Path : Z:\HPCHEM1\BNA F\DATA\BF041218\
 Data File : BF104457.D
 Acq On : 12 Apr 2018 18:02
 Operator : JU/SJ
 Sample : J2163-05 2X
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 PL-01-041118-C

Manual Integrations
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 4/13/2018 4:44:13 PM

Quant Time: Apr 13 00:40:51 2018
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF040618.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Apr 12 17:07:03 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.81	152	129874	20.00	ng	0.00
21) Naphthalene-d8	8.09	136	500944	20.00	ng	0.00
38) Acenaphthene-d10	9.85	164	197629	20.00	ng	0.00
63) Phenanthrene-d10	11.34	188	307380	20.00	ng	0.00
75) Chrysene-d12	13.99	240	268835	20.00	ng	0.00
86) Perylene-d12	15.46	264	201722	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.42	112	433221	51.00	ng	0.00
7) Phenol-d6	6.43	99	503780	48.27	ng	-0.01
23) Nitrobenzene-d5	7.37	82	292818	38.17	ng	-0.01
41) 2,4,6-Tribromophenol	10.64	330	88925	43.38	ng	0.00
44) 2-Fluorobiphenyl	9.17	172	488759	39.07	ng	0.00
78) Terphenyl-d14	12.93	244	373614	31.68	ng	0.00
Target Compounds						
49) Dimethylphthalate	9.56	163	32498	2.085	ng	98
70) Phenanthrene	11.36	178	64263	3.754	ng	97
74) Fluoranthene	12.55	202	80618	4.508	ng	98
77) Pyrene	12.78	202	91457	4.590	ng	98
80) Benzo(a)anthracene	13.97	228	41782	2.602	ng	95
82) Chrysene	14.01	228	42193	2.558	ng	96
87) Benzo(b)fluoranthene	15.03	252	31557m	2.477	ng	
89) Benzo(a)pyrene	15.39	252	22956	2.014	ng	# 88

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

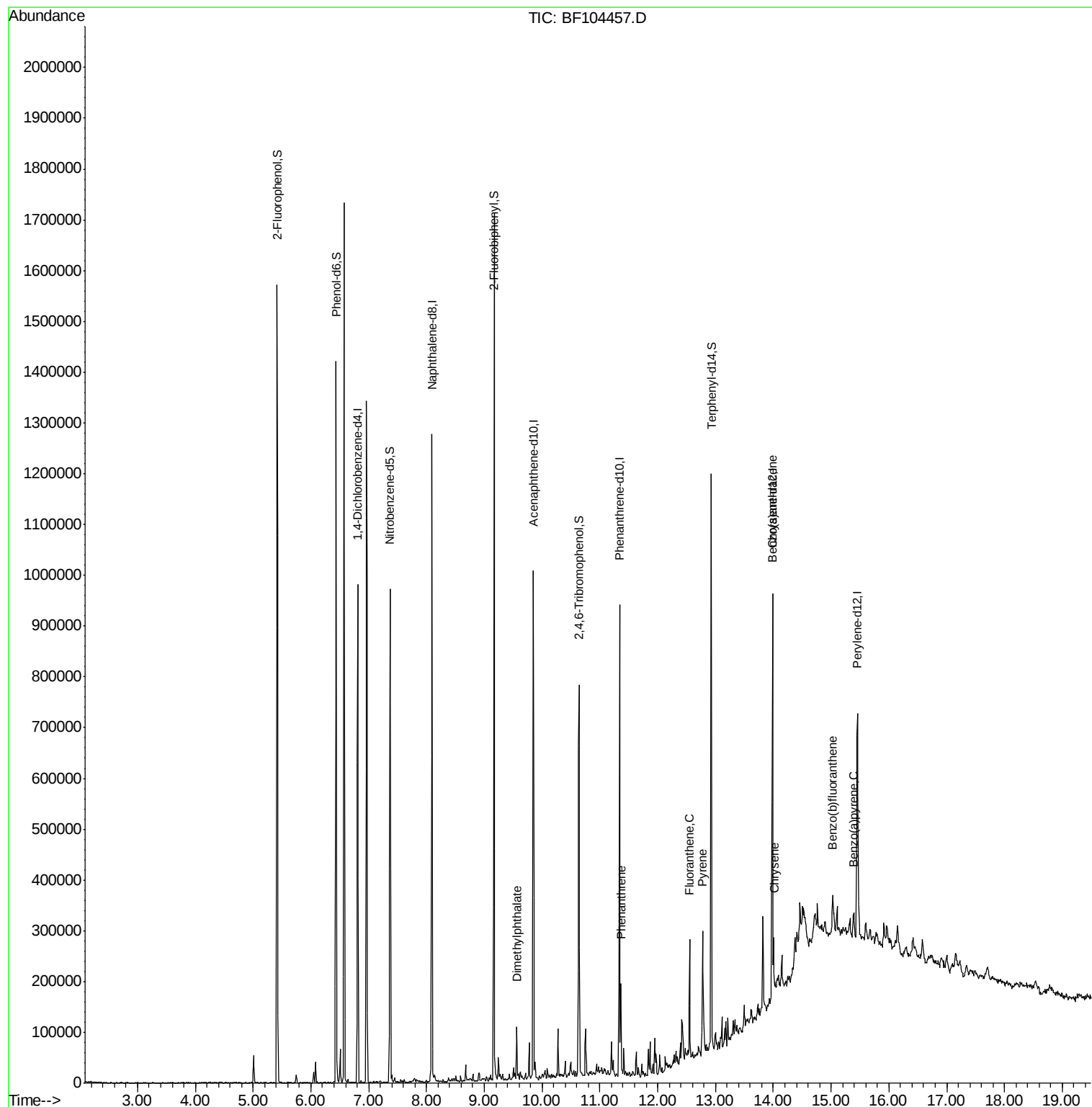
Data Path : Z:\HPCHEM1\BNA F\DATA\BF041218\
Data File : BF104457.D
Acq On : 12 Apr 2018 18:02
Operator : JU/SJ
Sample : J2163-05 2X
Misc :
ALS Vial : 13 Sample Multiplier: 1

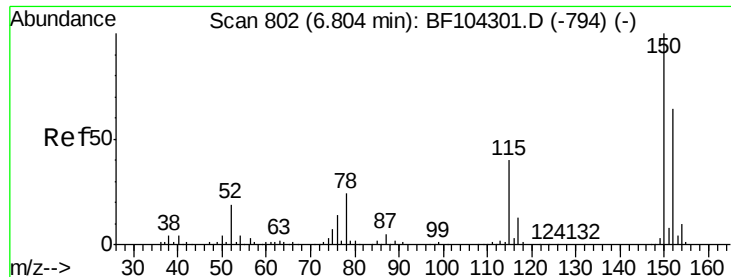
Instrument :
BNA_F
ClientSampleID :
PL-01-041118-C

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#1

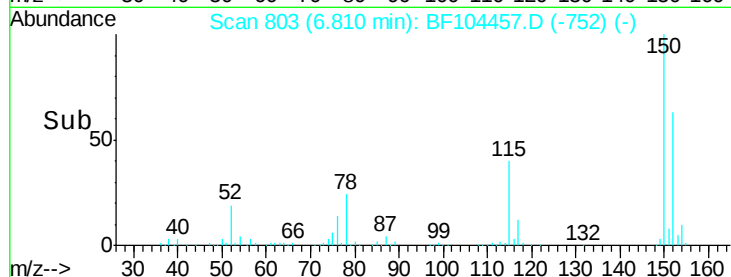
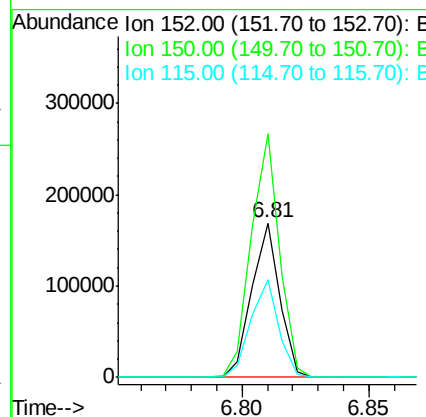
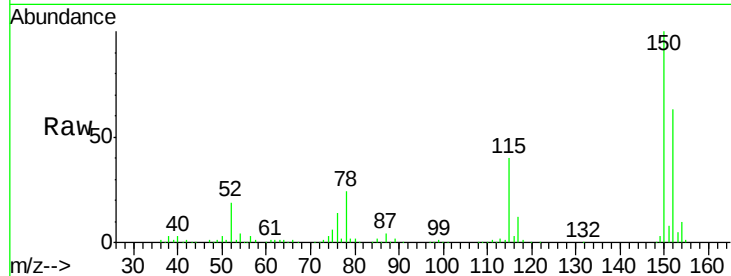
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.81 min Scan# 803
Delta R.T. 0.00 min
Lab File: BF104457.D
Acq: 12 Apr 2018 18:02

Instrument :
BNA_F
ClientSampleId :
PL-01-041118-C

Tot Ion	Ratio	Lower	Upper
152	100		
150	157.7	124.6	186.8
115	63.1	50.1	75.1

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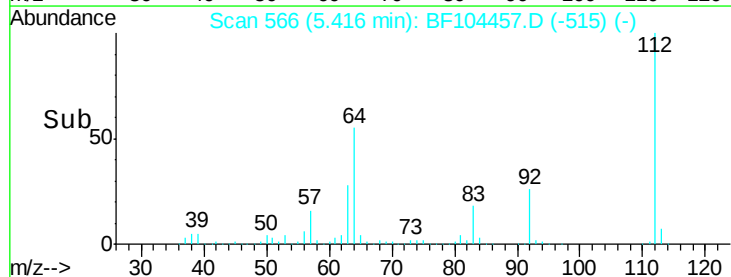
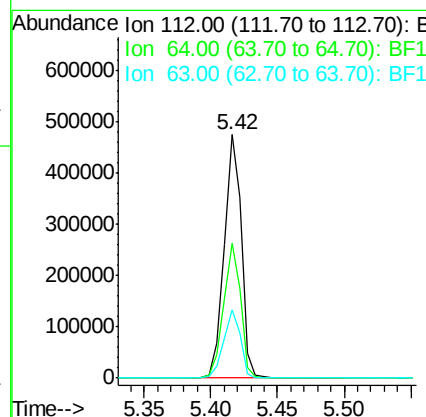
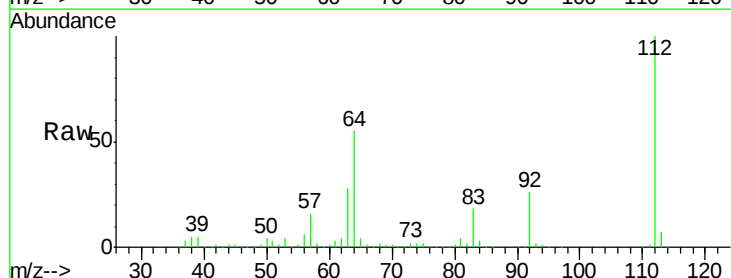
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#5

2-Fluorophenol
Concen: 51.005 ng
RT: 5.42 min Scan# 566
Delta R.T. 0.00 min
Lab File: BF104457.D
Acq: 12 Apr 2018 18:02

Tgt Ion	Ratio	Lower	Upper
112	100		
64	55.4	47.9	71.9
63	28.3	23.7	35.5





#7

Phenol-d6

Concen: 48.273 ng

RT: 6.43 min Scan# 739

Delta R.T. -0.01 min

Lab File: BF104457.D

Acq: 12 Apr 2018 18:02

Instrument :

BNA_F

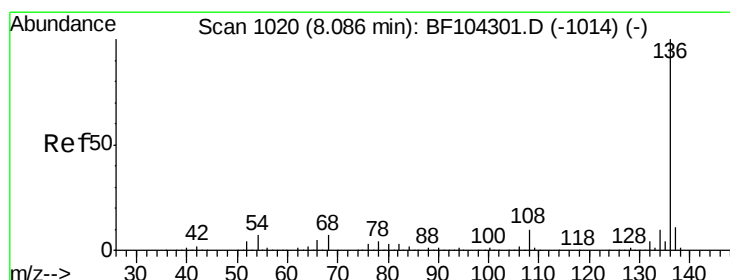
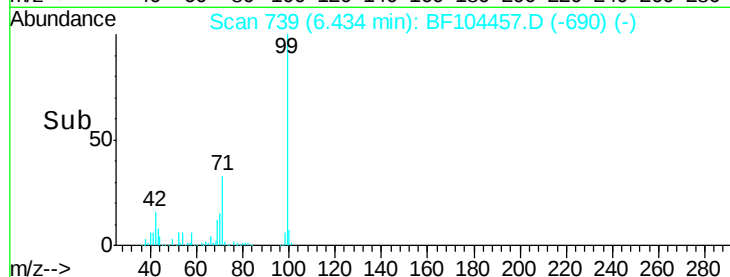
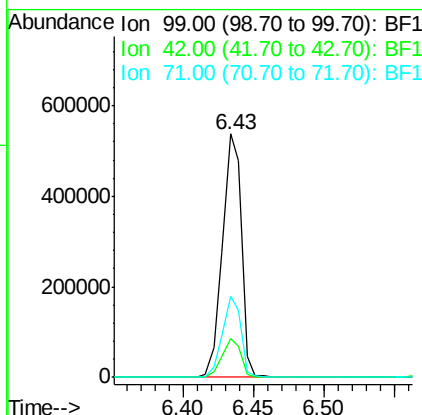
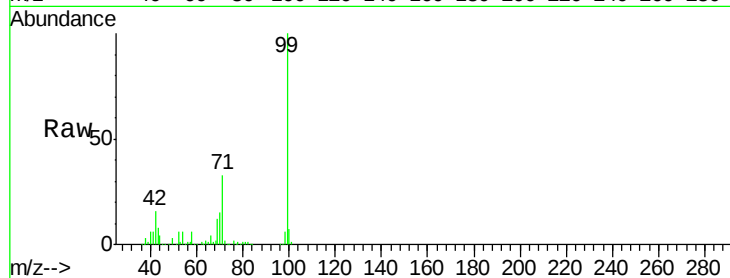
ClientSampled :

PL-01-041118-C

Tot Ion:	99	Resp:	503780
Ion	Ratio	Lower	Upper
99	100		
42	16.0	14.5	21.7
71	33.2	25.4	38.0

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#21

Naphthalene-d8

Concen: 20.000 ng

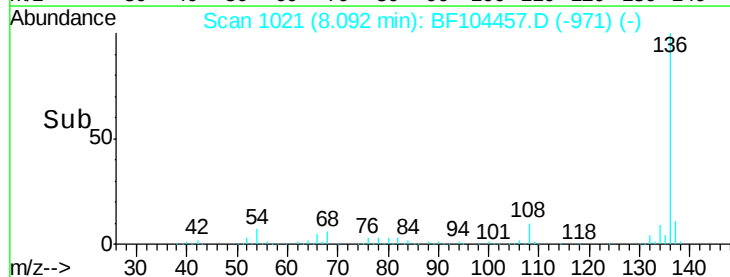
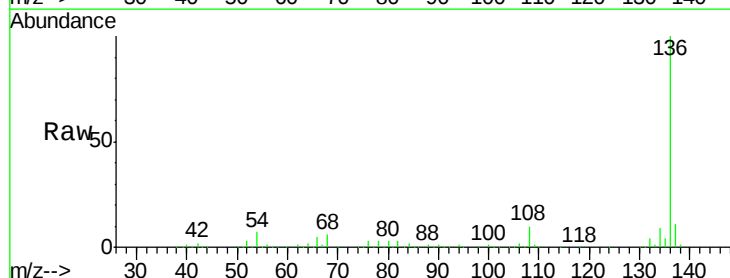
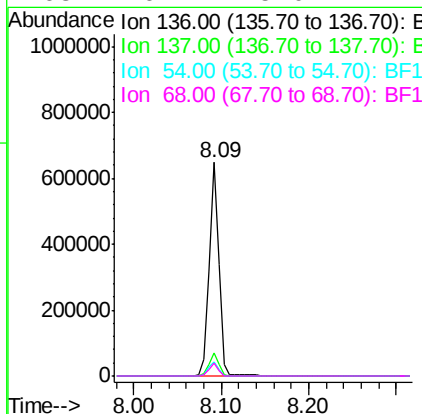
RT: 8.09 min Scan# 1021

Delta R.T. -0.01 min

Lab File: BF104457.D

Acq: 12 Apr 2018 18:02

Tgt Ion:	136	Resp:	500944
Ion	Ratio	Lower	Upper
136	100		
137	10.8	8.9	13.3
54	6.9	6.6	9.8
68	6.1	5.0	7.4





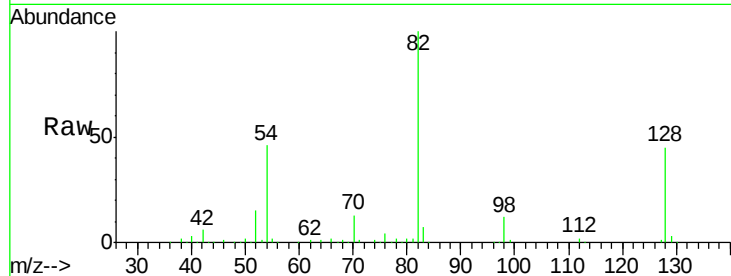
#23
 Nitrobenzene-d5
 Concen: 38.169 ng
 RT: 7.37 min Scan# 898
 Delta R.T. -0.01 min
 Lab File: BF104457.D
 Acq: 12 Apr 2018 18:02

Instrument :
 BNA_F
 ClientSampleId :
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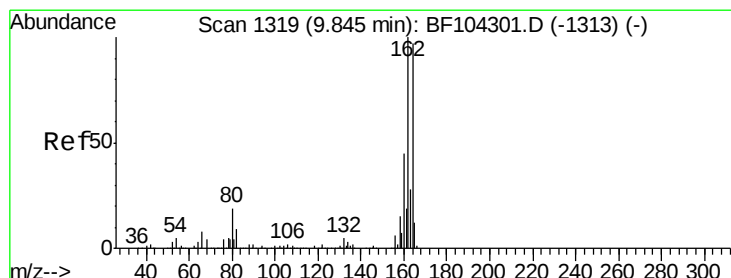
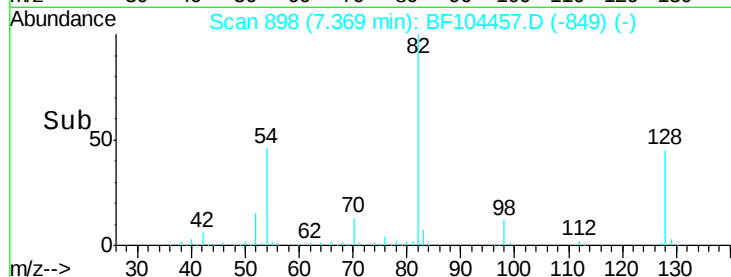
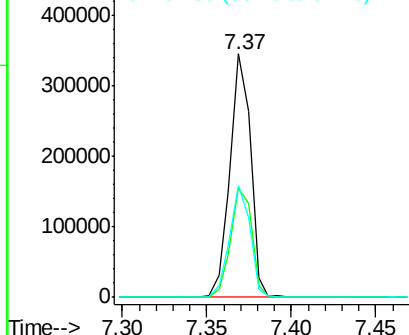
Tot Ion	Ratio	Resp	Lower	Upper
82	100	292818		
128	45.0	36.1	54.1	
54	46.2	41.4	62.2	

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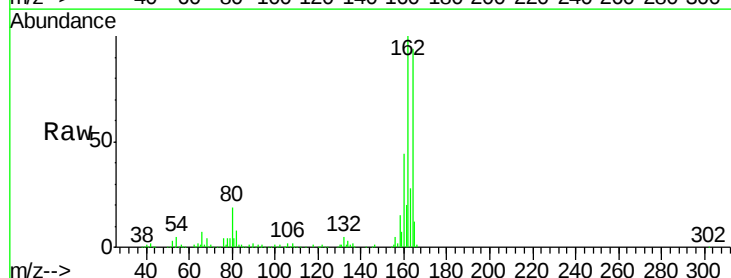


Abundance Ion 82.00 (81.70 to 82.70): BF1
 Ion 128.00 (127.70 to 128.70): BF1
 Ion 54.00 (53.70 to 54.70): BF1

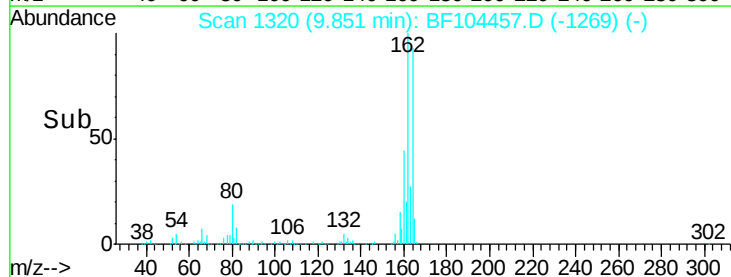
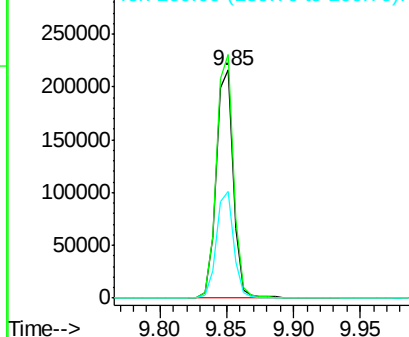


#38
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.85 min Scan# 1320
 Delta R.T. 0.00 min
 Lab File: BF104457.D
 Acq: 12 Apr 2018 18:02

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	197629		
162	106.9	86.1	129.1	
160	46.8	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





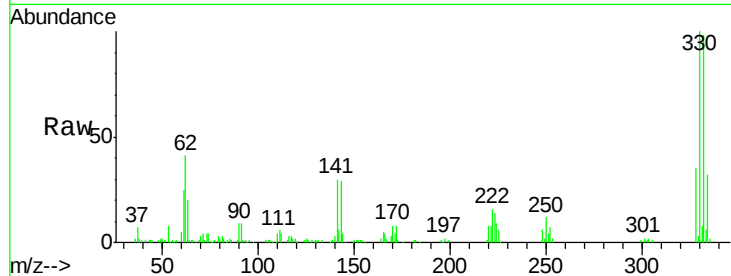
#41
 2,4,6-Tribromophenol
 Concen: 43.377 ng
 RT: 10.64 min Scan# 1454
 Delta R.T. -0.01 min
 Lab File: BF104457.D
 Acq: 12 Apr 2018 18:02

Instrument :
 BNA_F
 ClientSampleId :
 PL-01-041118-C

Tot Ion	Ratio	Resp	Lower	Upper
330	100	88925		
332	97.6		77.0	115.6
141	35.0		29.9	44.9

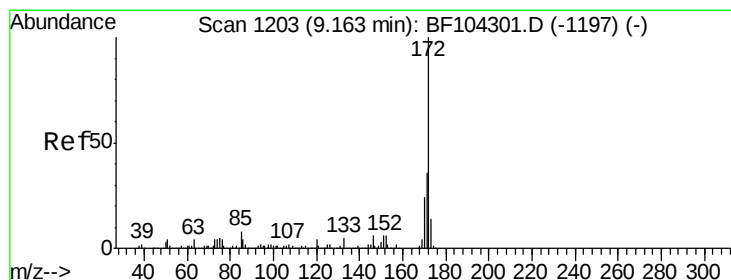
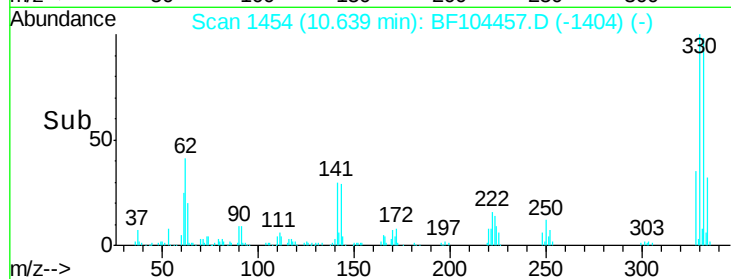
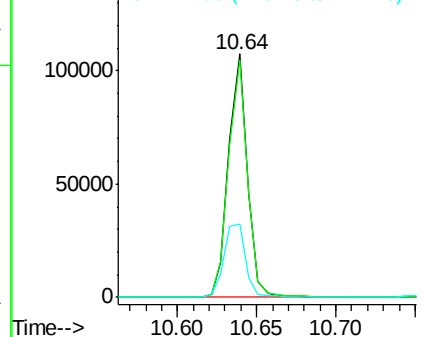
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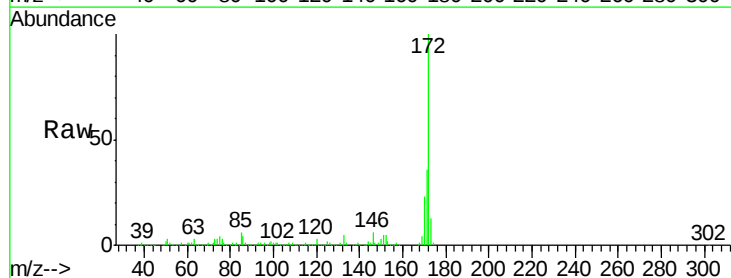
Abundance

Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E



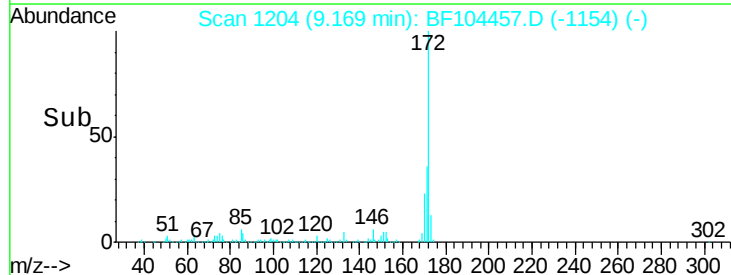
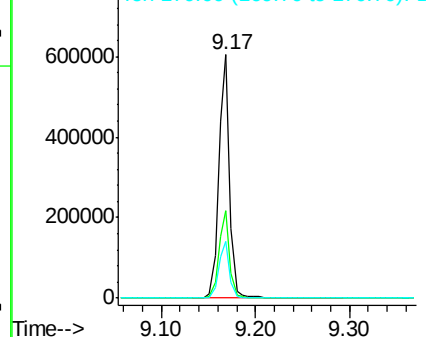
#44
 2-Fluorobiphenyl
 Concen: 39.069 ng
 RT: 9.17 min Scan# 1204
 Delta R.T. -0.01 min
 Lab File: BF104457.D
 Acq: 12 Apr 2018 18:02

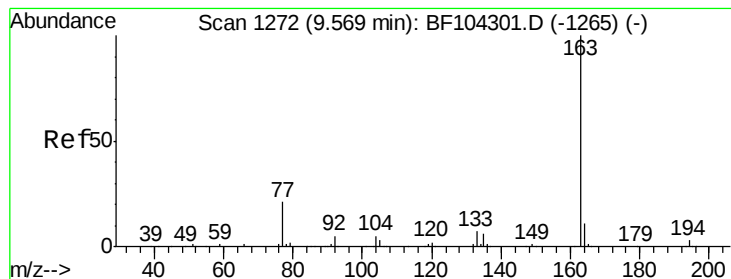
Tgt Ion	Ratio	Resp	Lower	Upper
172	100	488759		
171	36.0		29.7	44.5
170	23.4		19.6	29.4



Abundance

Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E





#49

Dimethylphthalate

Concen: 2.085 ng

RT: 9.56 min Scan# 1271

Delta R.T. -0.01 min

Lab File: BF104457.D

Acq: 12 Apr 2018 18:02

Instrument :

BNA_F

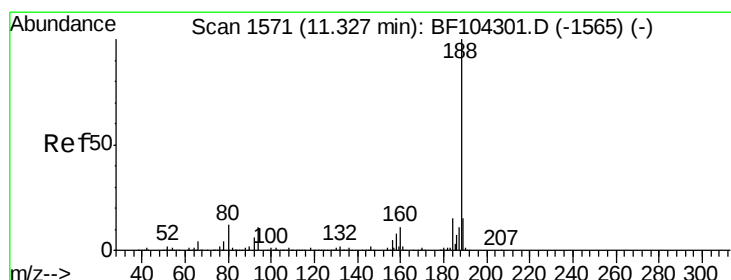
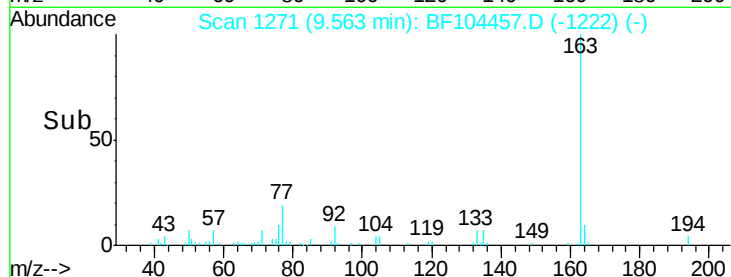
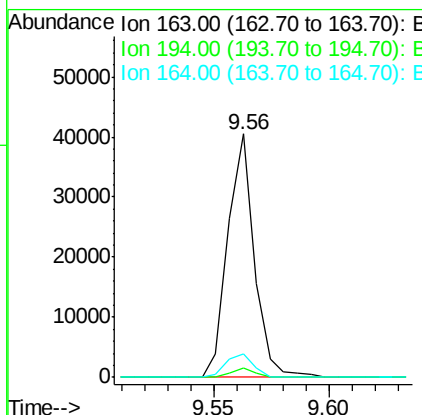
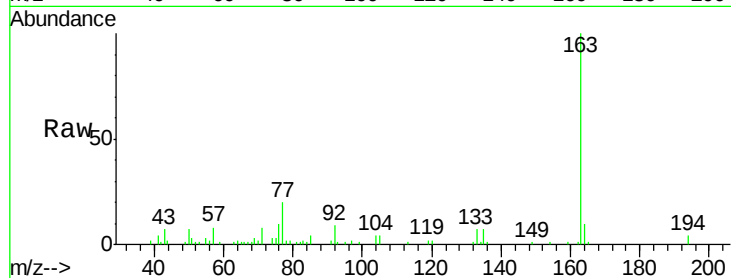
ClientSampleID :

PL-01-041118-C

Tot Ion:	163	Resp:	32498
Ion Ratio	Lower	Upper	
163	100		
194	3.6	2.7	4.1
164	9.5	8.2	12.2

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#63

Phenanthrene-d10

Concen: 20.000 ng

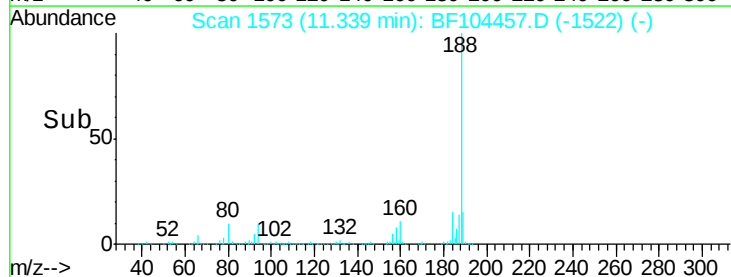
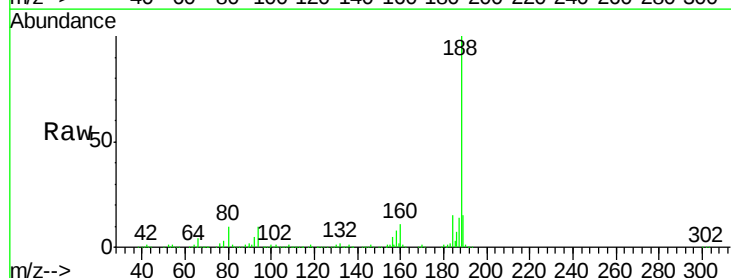
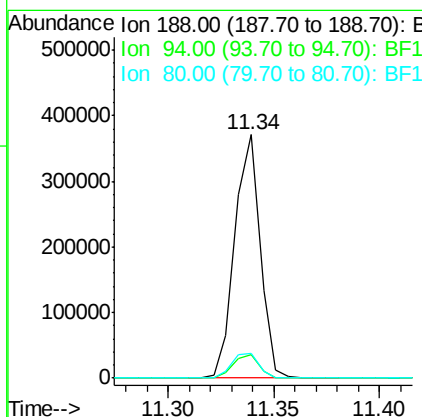
RT: 11.34 min Scan# 1573

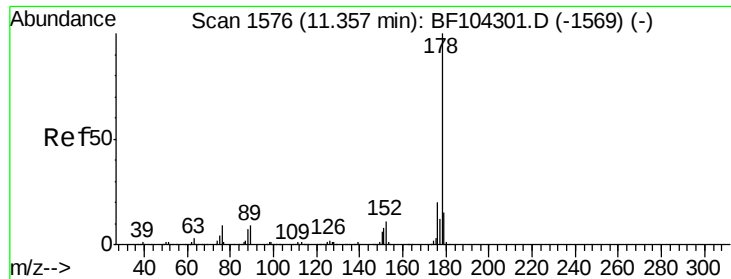
Delta R.T. 0.00 min

Lab File: BF104457.D

Acq: 12 Apr 2018 18:02

Tgt Ion:	188	Resp:	307380
Ion Ratio	Lower	Upper	
188	100		
94	9.6	8.5	12.7
80	10.2	9.2	13.8





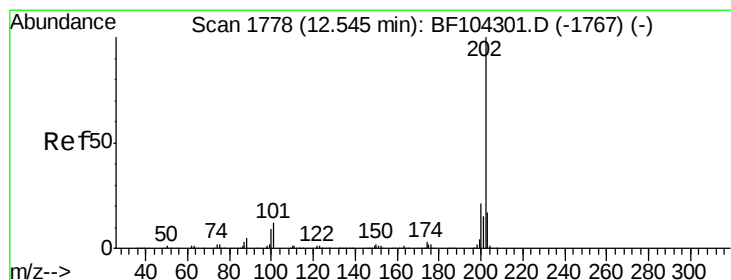
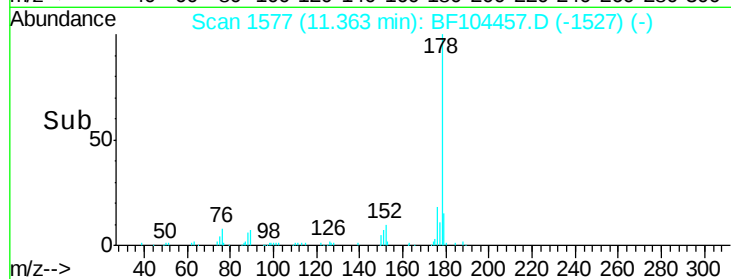
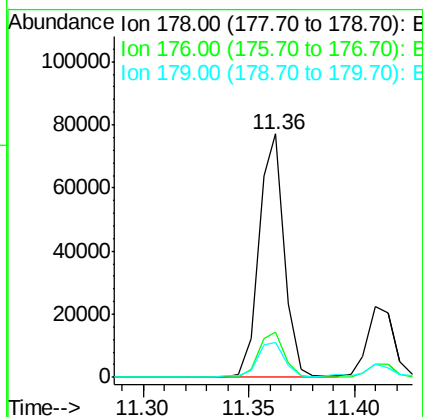
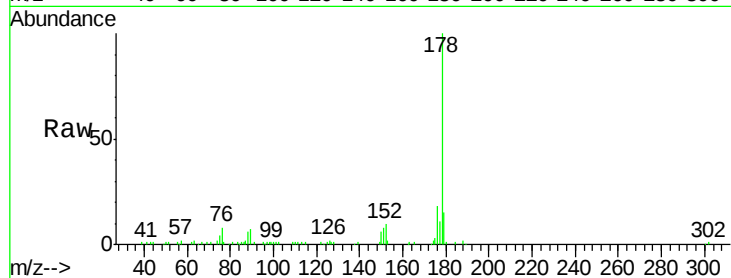
#70
Phenanthrene
Concen: 3.754 ng
RT: 11.36 min Scan# 1577
Delta R.T. -0.01 min
Lab File: BF104457.D
Acq: 12 Apr 2018 18:02

Instrument :
BNA_F
ClientSampleId :
PL-01-041118-C

Tot Ion	Ratio	Lower	Upper
178	100		
176	18.5	15.8	23.8
179	14.6	13.0	19.6

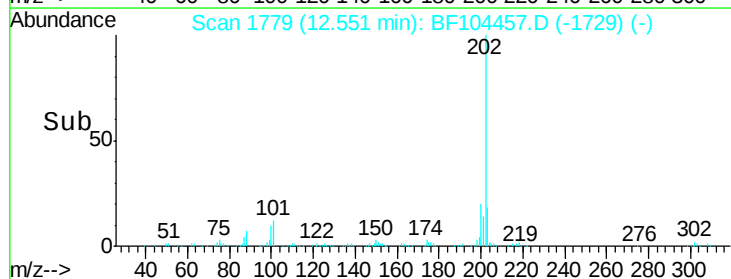
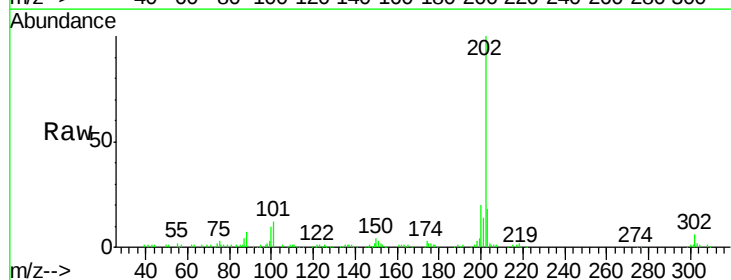
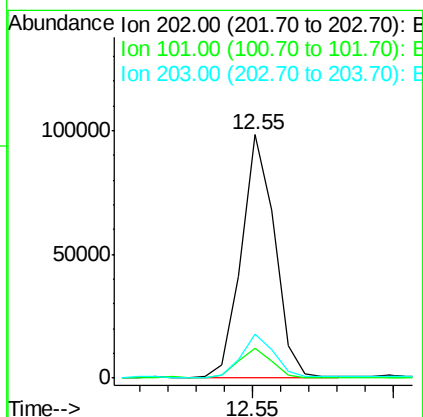
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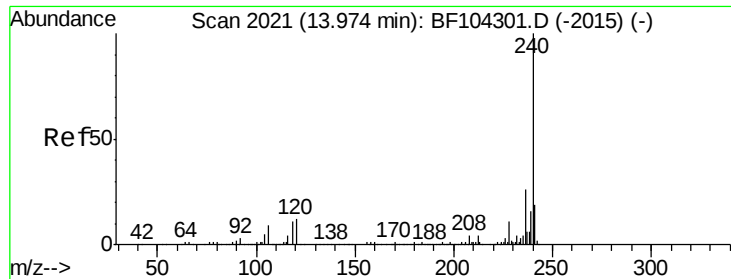
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#74
Fluoranthene
Concen: 4.508 ng
RT: 12.55 min Scan# 1779
Delta R.T. -0.01 min
Lab File: BF104457.D
Acq: 12 Apr 2018 18:02

Tgt Ion	Ratio	Lower	Upper
202	100		
101	12.5	0.0	34.1
203	17.8	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: BF104457.D

Acq: 12 Apr 2018 18:02

Instrument :

BNA_F

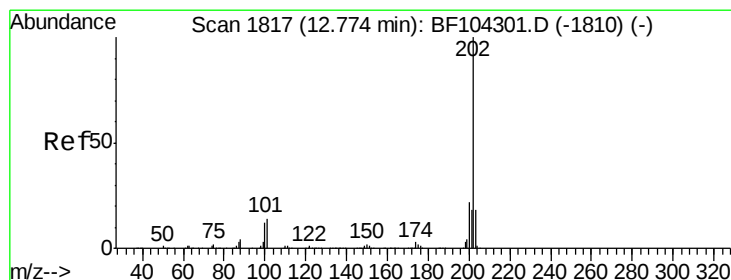
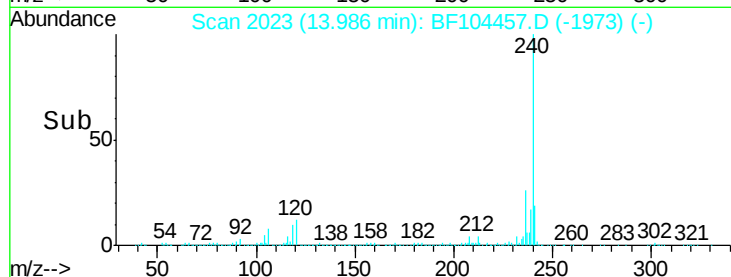
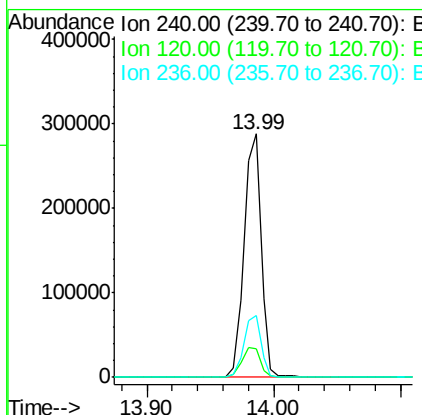
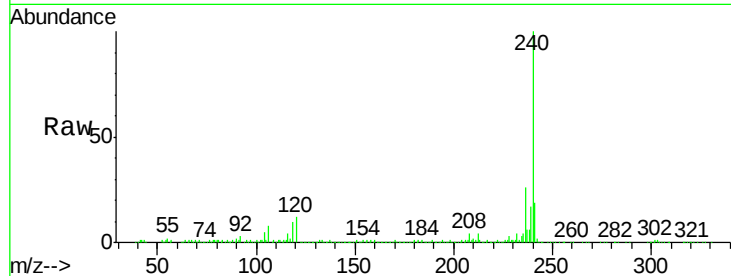
ClientSampleId :

PL-01-041118-C

Tot Ion:	240	Resp:	268835
Ion Ratio	Lower	Upper	
240	100		
120	11.7	9.5	14.3
236	25.6	20.7	31.1

Manual Integrations
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#77

Pyrene

Concen: 4.590 ng

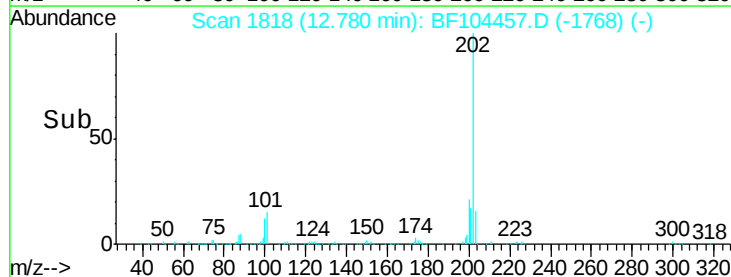
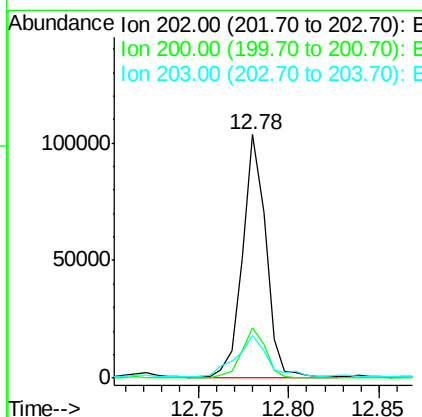
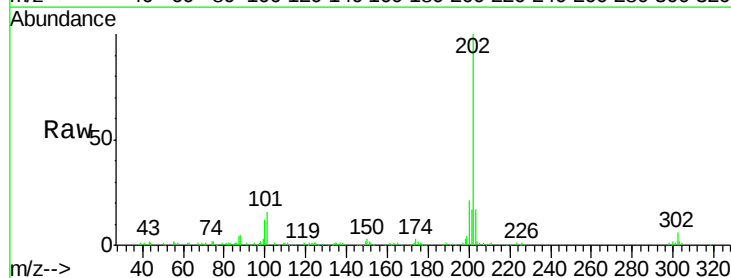
RT: 12.78 min Scan# 1818

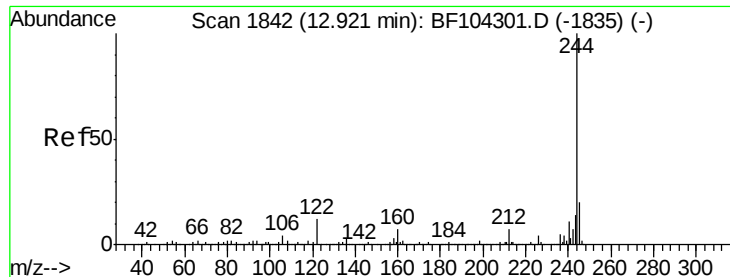
Delta R.T. -0.01 min

Lab File: BF104457.D

Acq: 12 Apr 2018 18:02

Tgt Ion:	202	Resp:	91457
Ion Ratio	Lower	Upper	
202	100		
200	20.8	17.4	26.2
203	17.3	14.3	21.5





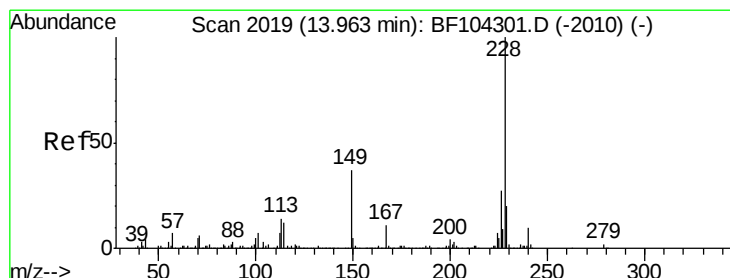
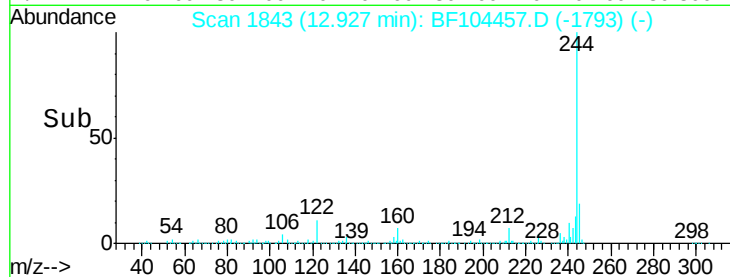
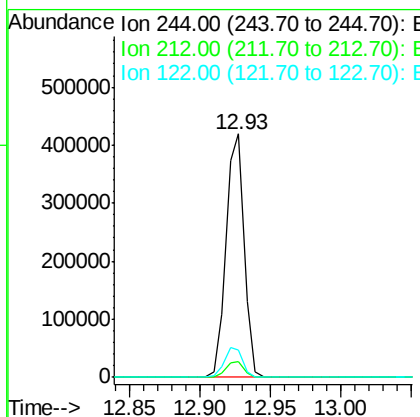
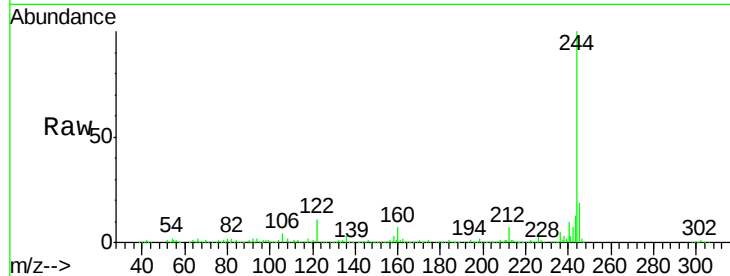
#78
 Terphenyl-d14
 Concen: 31.684 ng
 RT: 12.93 min Scan# 1843
 Delta R.T. -0.01 min
 Lab File: BF104457.D
 Acq: 12 Apr 2018 18:02

Instrument :
 BNA_F
 ClientSampleId :
 PL-01-041118-C

Tot Ion	Ratio	Lower	Upper
244	100		
212	6.5	5.4	8.0
122	11.4	11.0	16.4

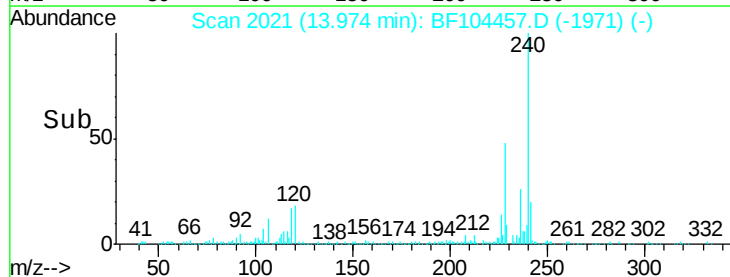
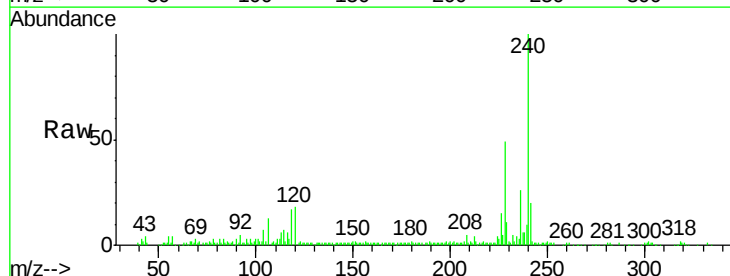
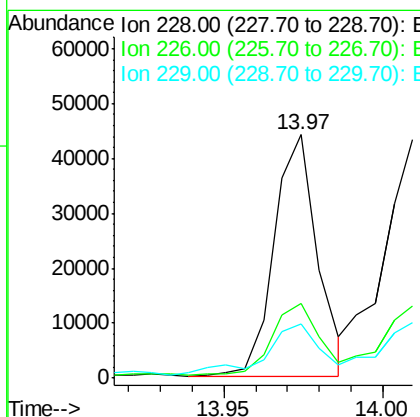
Manual Integrations
 APPROVED

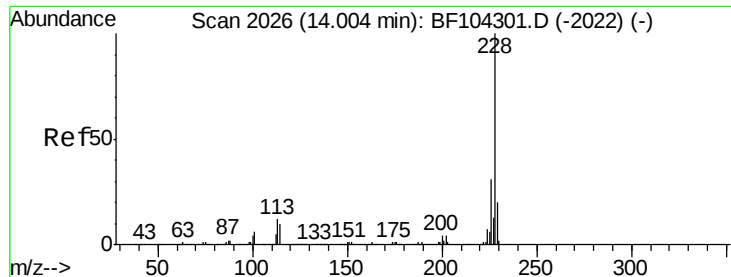
Sohil
 4/13/2018 4:44:13 PM



#80
 Benzo(a)anthracene
 Concen: 2.602 ng
 RT: 13.97 min Scan# 2021
 Delta R.T. -0.01 min
 Lab File: BF104457.D
 Acq: 12 Apr 2018 18:02

Tgt Ion	Ratio	Lower	Upper
228	100		
226	30.9	22.6	33.8
229	22.4	15.8	23.6





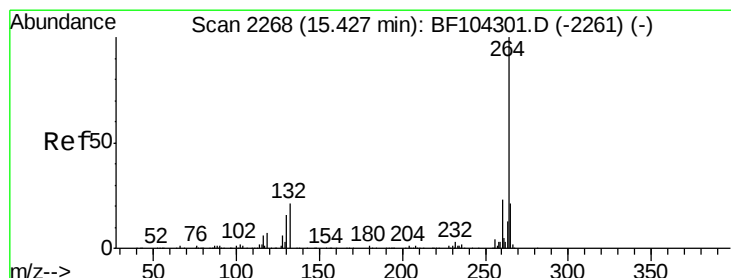
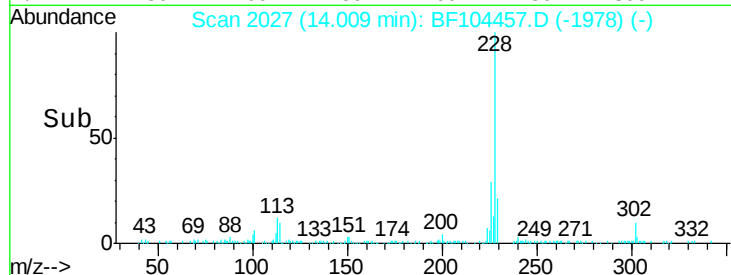
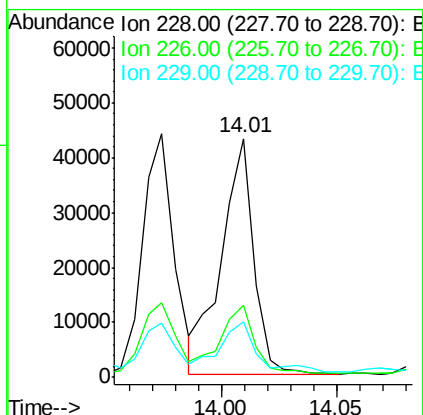
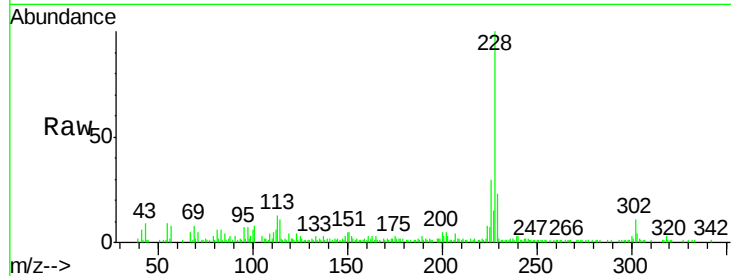
#82
Chrysene
Concen: 2.558 ng
RT: 14.01 min Scan# 2027
Delta R.T. -0.01 min
Lab File: BF104457.D
Acq: 12 Apr 2018 18:02

Instrument :
BNA_F
ClientSampleId :
PL-01-041118-C

Tot Ion:	228	Resp:	42193
Ion Ratio	Lower	Upper	
228	100		
226	30.4	25.0	37.6
229	23.3	16.2	24.4

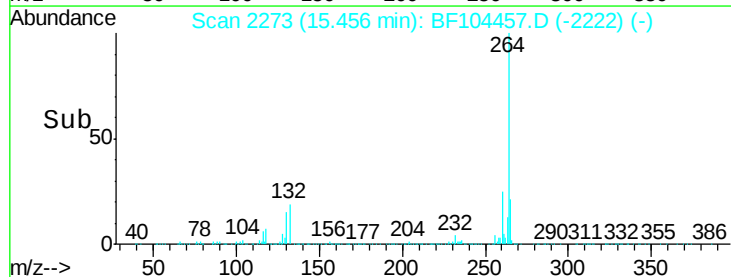
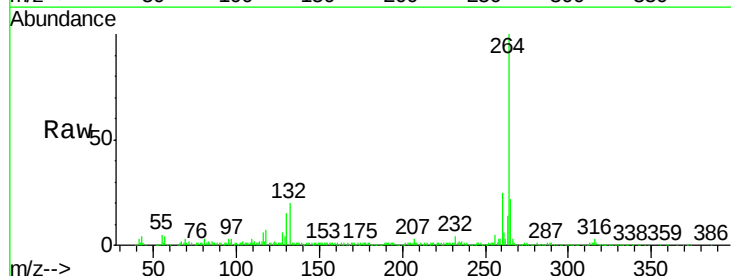
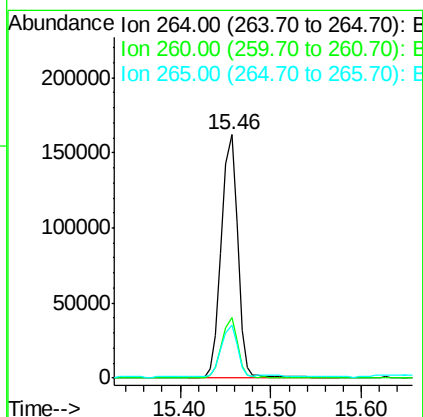
Manual Integrations
APPROVED

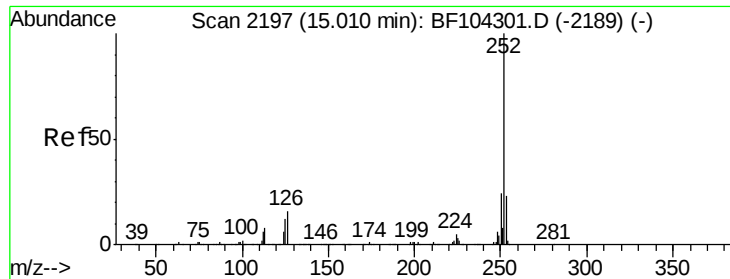
Sohil
4/13/2018 4:44:13 PM



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.46 min Scan# 2273
Delta R.T. 0.00 min
Lab File: BF104457.D
Acq: 12 Apr 2018 18:02

Tgt Ion:	264	Resp:	201722
Ion Ratio	Lower	Upper	
264	100		
260	25.0	19.2	28.8
265	21.8	17.5	26.3





#87

Benzo(b)fluoranthene

Concen: 2.477 ng

RT: 15.03 min Scan# 2200

Delta R.T. -0.01 min

Lab File: BF104457.D

Acq: 12 Apr 2018 18:02

Instrument :

BNA_F

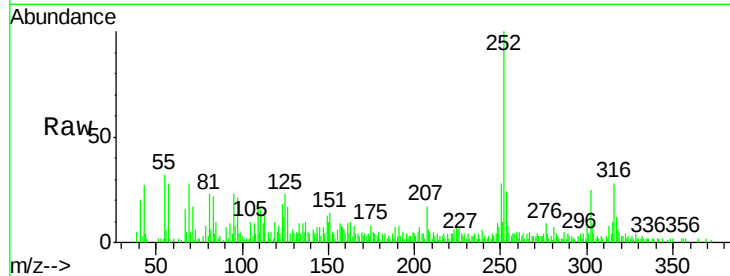
ClientSampleId :

PL-01-041118-C

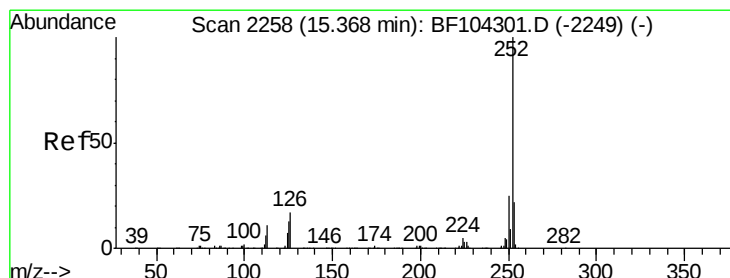
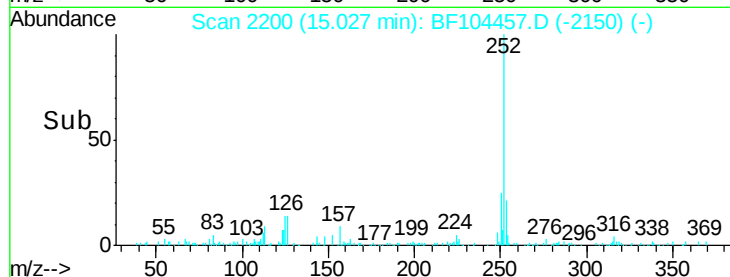
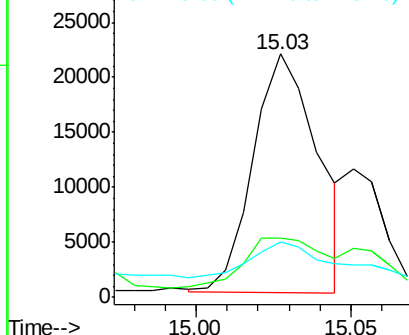
Tot Ion:	252	Resp:	31557
Ion Ratio	Lower	Upper	
252	100		
253	24.4	17.0	25.6
125	23.0	9.0	13.6#

Manual Integrations
APPROVED

Sohil
4/13/2018 4:44:13 PM



Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E



#89

Benzo(a)pyrene

Concen: 2.014 ng

RT: 15.39 min Scan# 2262

Delta R.T. -0.01 min

Lab File: BF104457.D

Acq: 12 Apr 2018 18:02

Tgt Ion:	252	Resp:	22956
Ion Ratio	Lower	Upper	
252	100		
253	24.6	17.1	25.7
125	20.6	9.8	14.6#

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

