

Data Path : Z:\HPCHEM1\BNA F\DATA\BF041318\
 Data File : BF104504.D
 Acq On : 14 Apr 2018 4:50
 Operator : JU/SJ
 Sample : J2163-01DL 50X
 Misc :
 ALS Vial : 31 Sample Multiplier: 1

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

Manual Integrations
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Sohil
 4/16/2018 3:10:46 PM

Quant Time: Apr 14 05:52:47 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	6.80	152	119890	20.00	ng	0.00
21) Naphthalene-d8	8.09	136	479524	20.00	ng	0.00
38) Acenaphthene-d10	9.85	164	198526	20.00	ng	-0.01
63) Phenanthrene-d10	11.34	188	294947	20.00	ng	0.00
75) Chrysene-d12	13.98	240	230243	20.00	ng	-0.01
86) Perylene-d12	15.44	264	168161	20.00	ng	-0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.42	112	15991	2.04	ng	0.00
7) Phenol-d6	6.44	99	20358	2.11	ng	0.00
23) Nitrobenzene-d5	7.36	82	10757	1.46	ng	-0.02
41) 2,4,6-Tribromophenol	10.64	330	3073	1.49	ng	0.00
44) 2-Fluorobiphenyl	9.16	172	23771	1.89	ng	-0.01
78) Terphenyl-d14	12.92	244	18022	1.78	ng	-0.01

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
37) 2-Methylnaphthalene	8.80	142	51641	3.343	ng	99
51) Acenaphthene	9.88	154	70773	5.612	ng	98
54) Dibenzofuran	10.05	168	39857	2.268	ng	# 94
57) Fluorene	10.40	166	134560	10.519	ng	99
70) Phenanthrene	11.36	178	675977	41.154	ng	98
71) Anthracene	11.41	178	220372	13.199	ng	98
74) Fluoranthene	12.55	202	484395	28.226	ng	99
77) Pyrene	12.79	202	572282	33.533	ng	98
80) Benzo(a)anthracene	13.97	228	246339	17.909	ng	99
82) Chrysene	14.01	228	251031	17.768	ng	98
85) Indeno(1,2,3-cd)pyrene	16.89	276	50862	4.238	ng	95
87) Benzo(b)fluoranthene	15.02	252	160639m	15.125	ng	
88) Benzo(k)fluoranthene	15.04	252	52720m	5.258	ng	
89) Benzo(a)pyrene	15.39	252	125987	13.258	ng	99
91) Benzo(a,h,i)perylene	17.33	276	59588	7.880	ng	96

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

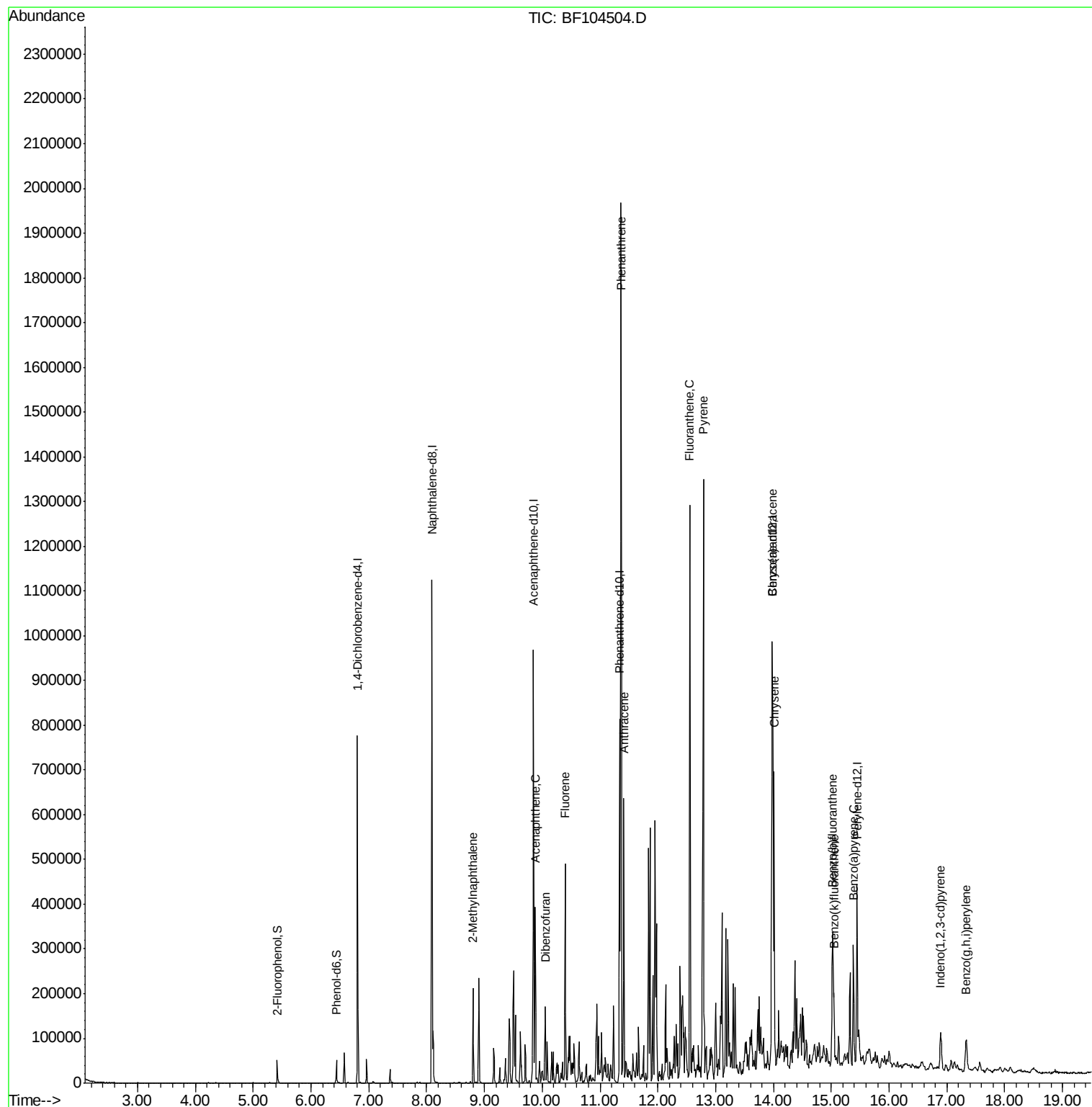
Data Path : Z:\HPCHEM1\BNA F\DATA\BF041318\
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ALS Vial : 31 Sample Multiplier: 1

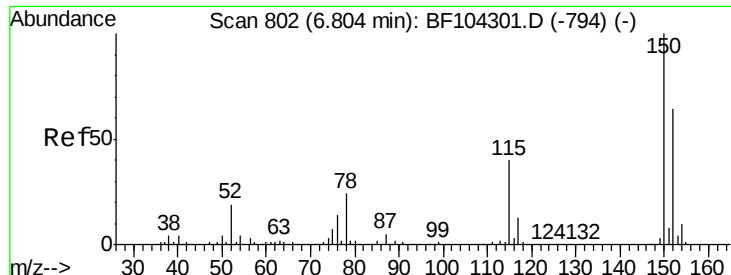
Instrument :
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Quant Time: Apr 14 05:52:47 2018
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF040618.M
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#1

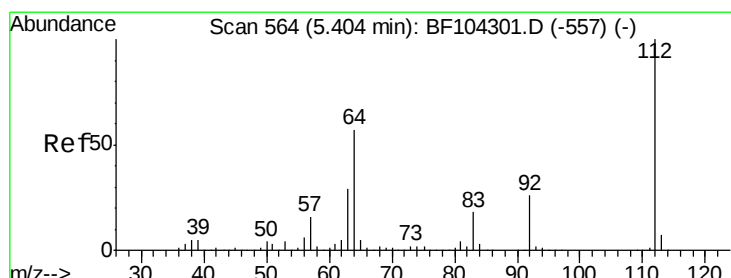
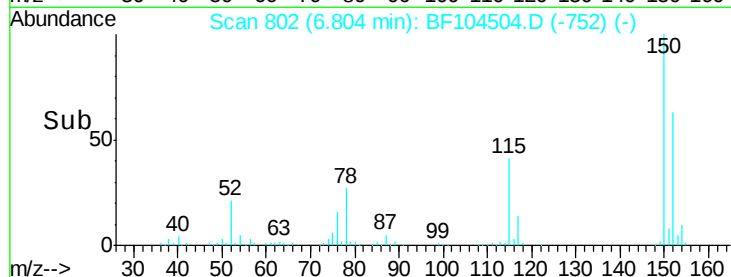
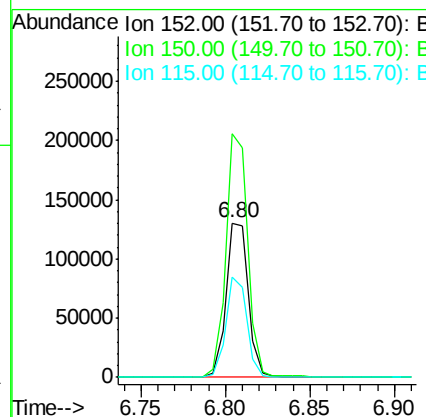
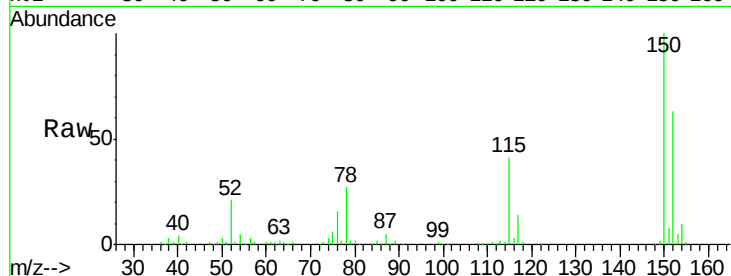
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.80 min Scan# 802
Delta R.T. -0.01 min
Lab File: BF104504.D
Acq: 14 Apr 2018 4:50

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

Tot Ion	Ratio	Lower	Upper
152	100		
150	157.8	124.6	186.8
115	64.6	50.1	75.1

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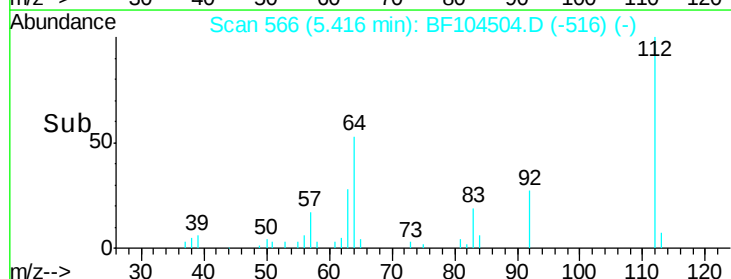
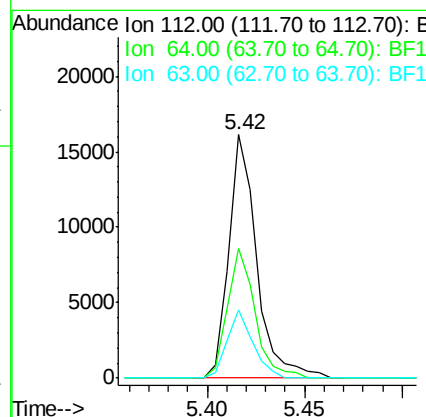
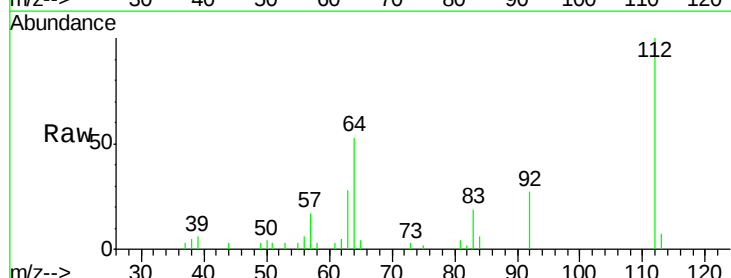
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#5

2-Fluorophenol
Concen: 2.039 ng
RT: 5.42 min Scan# 566
Delta R.T. -0.01 min
Lab File: BF104504.D
Acq: 14 Apr 2018 4:50

Tgt Ion	Ratio	Lower	Upper
112	100		
64	53.4	47.9	71.9
63	27.8	23.7	35.5





#7

Phenol-d6

Concen: 2.113 ng

RT: 6.44 min Scan# 740

Delta R.T. -0.01 min

Lab File: BF104504.D

Acq: 14 Apr 2018 4:50

Instrument :

BNA_F

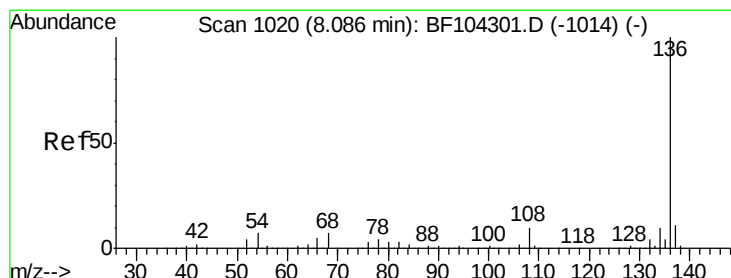
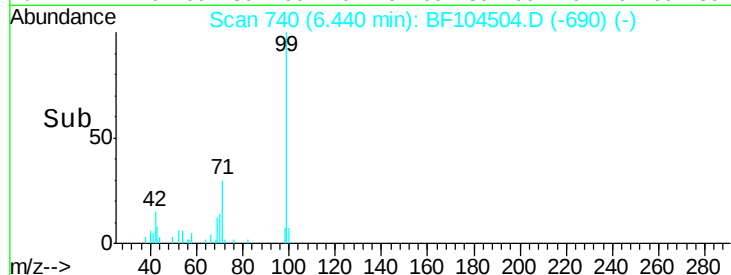
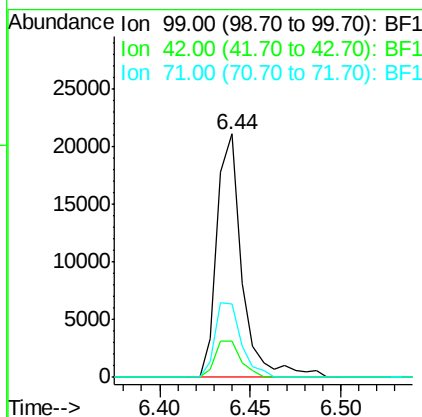
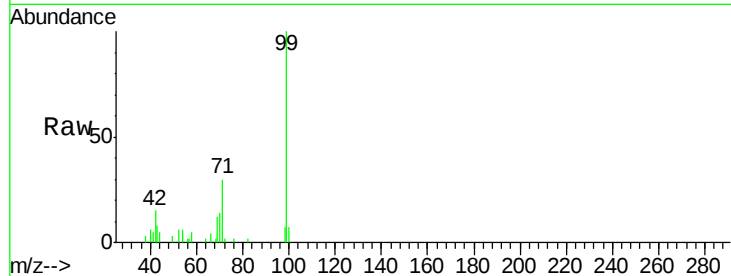
ClientSampleId :

PL-01-041118-ADL

Tot Ion:	99	Resp:	20358
Ion Ratio	Lower	Upper	
99	100		
42	14.7	14.5	21.7
71	30.3	25.4	38.0

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#21

Naphthalene-d8

Concen: 20.000 ng

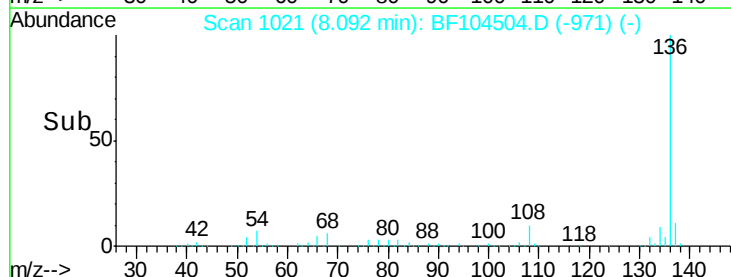
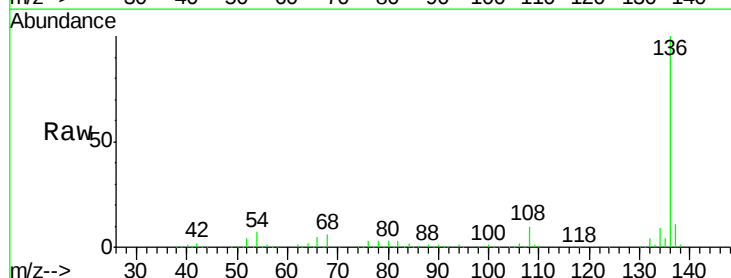
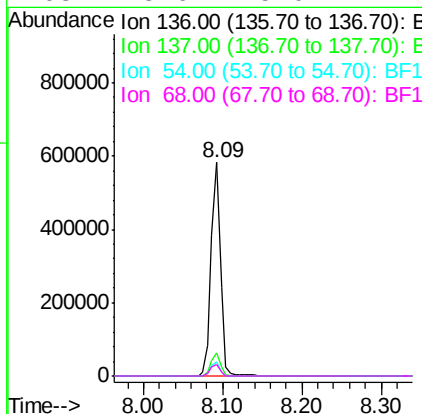
RT: 8.09 min Scan# 1021

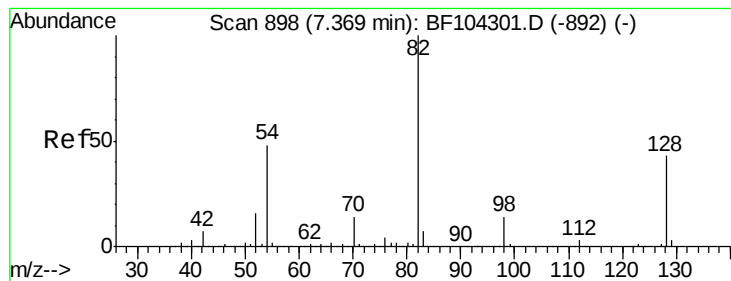
Delta R.T. -0.01 min

Lab File: BF104504.D

Acq: 14 Apr 2018 4:50

Tgt Ion:	136	Resp:	479524
Ion Ratio	Lower	Upper	
136	100		
137	10.8	8.9	13.3
54	6.5	6.6	9.8#
68	5.6	5.0	7.4





#23

Nitrobenzene-d5

Concen: 1.465 ng

RT: 7.36 min Scan# 897

Delta R.T. -0.02 min

Lab File: BF104504.D

Acq: 14 Apr 2018 4:50

Instrument :

BNA_F

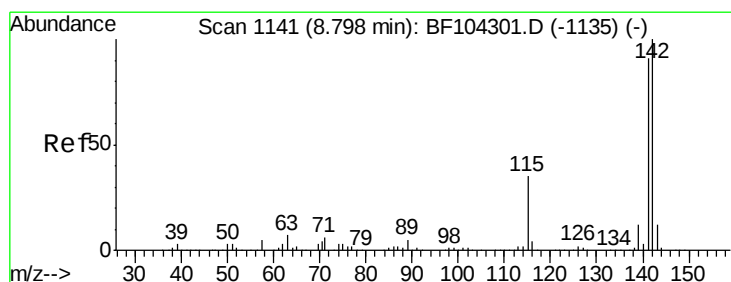
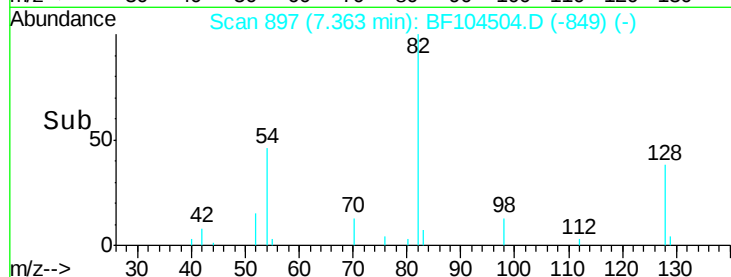
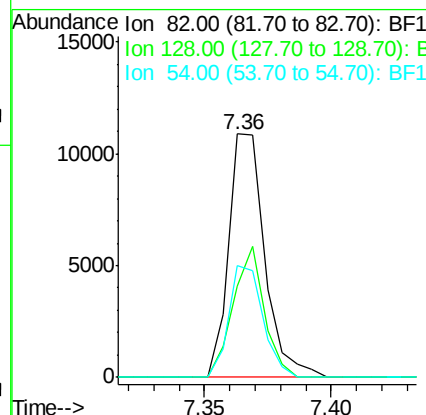
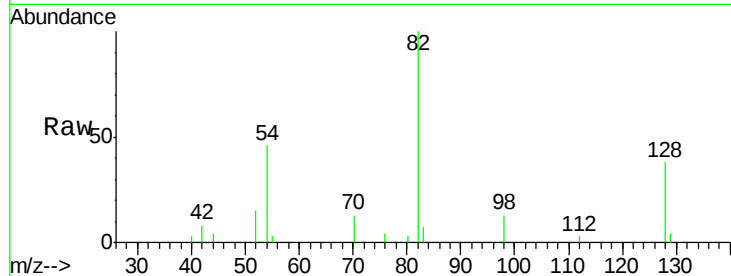
ClientSampleId :

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Tot Ion:	82	Resp:	10757
Ion Ratio	Lower	Upper	
82	100		
128	37.6	36.1	54.1
54	46.1	41.4	62.2

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#37

2-Methylnaphthalene

Concen: 3.343 ng

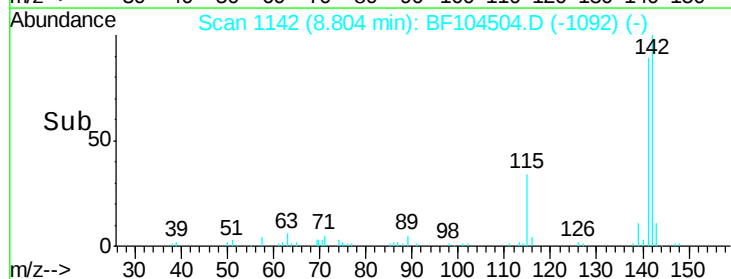
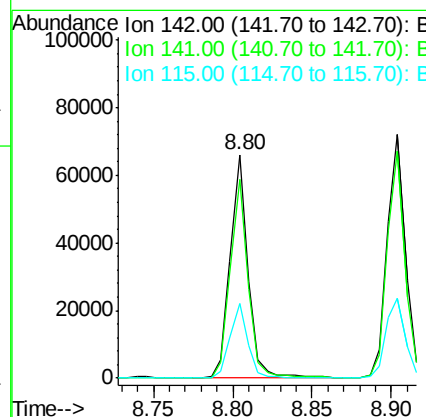
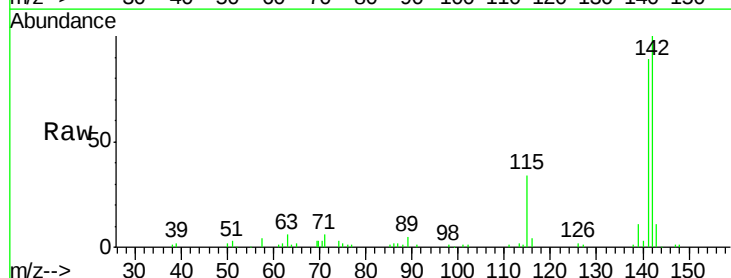
RT: 8.80 min Scan# 1142

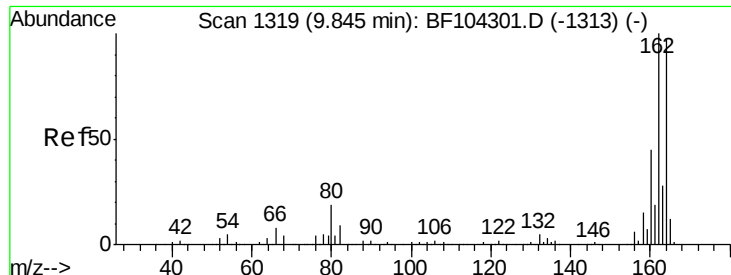
Delta R.T. -0.01 min

Lab File: BF104504.D

Acq: 14 Apr 2018 4:50

Tgt Ion:	142	Resp:	51641
Ion Ratio	Lower	Upper	
142	100		
141	88.7	70.8	106.2
115	33.6	26.1	39.1





#38

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.85 min Scan# 1319

Delta R.T. -0.01 min

Lab File: BF104504.D

Acq: 14 Apr 2018 4:50

Instrument :

BNA_F

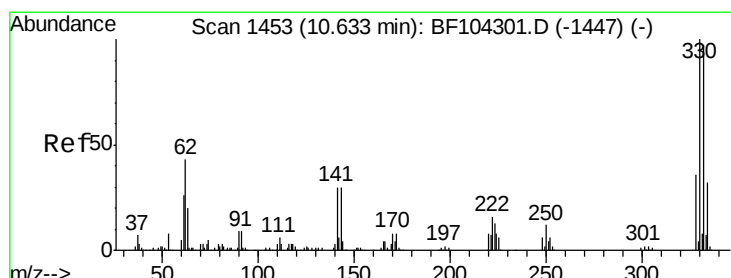
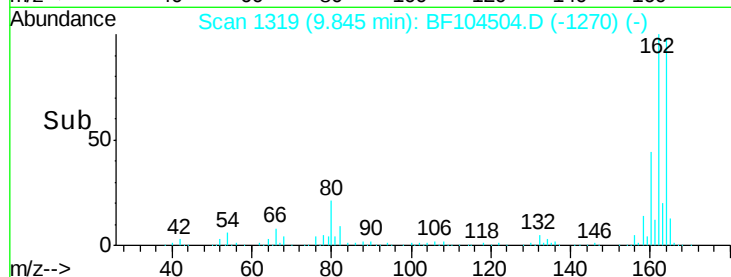
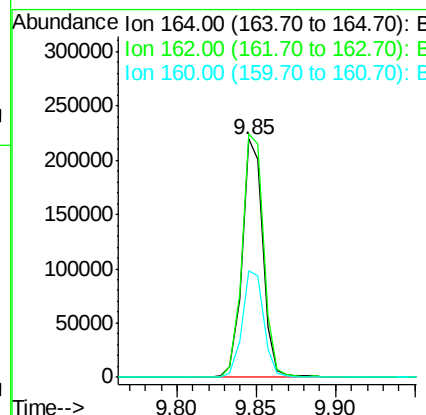
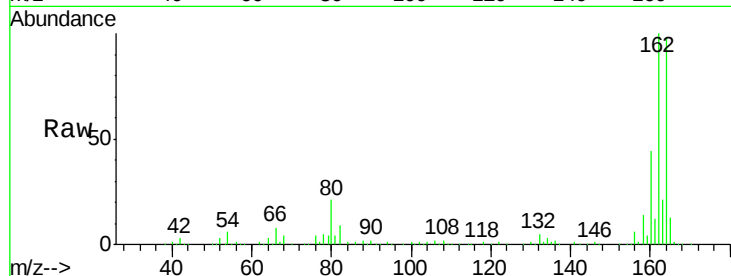
ClientSampleId :

PL-01-041118-ADL

Tot Ion:	164	Resp:	198526
Ion Ratio	Lower	Upper	
164	100		
162	102.1	86.1	129.1
160	44.7	38.3	57.5

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#41

2,4,6-Tribromophenol

Concen: 1.492 ng

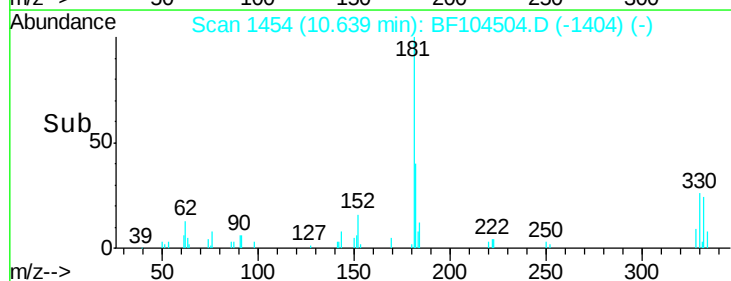
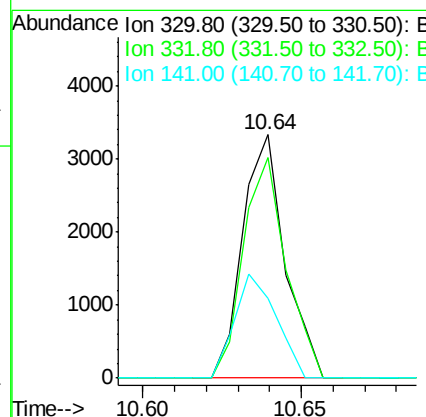
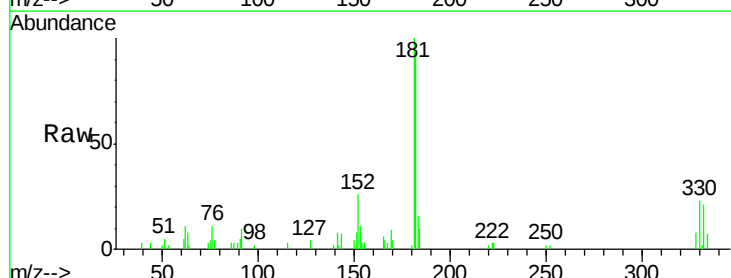
RT: 10.64 min Scan# 1454

Delta R.T. -0.01 min

Lab File: BF104504.D

Acq: 14 Apr 2018 4:50

Tgt Ion:	330	Resp:	3073
Ion Ratio	Lower	Upper	
330	100		
332	91.8	77.0	115.6
141	42.1	29.9	44.9





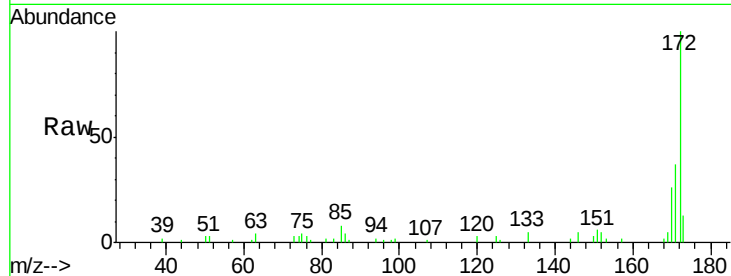
#44
2-Fluorobiphenyl
Concen: 1.892 ng
RT: 9.16 min Scan# 1203
Delta R.T. -0.01 min
Lab File: BF104504.D
Acq: 14 Apr 2018 4:50

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

Tot Ion	Ratio	Lower	Upper
172	100		
171	36.7	29.7	44.5
170	25.6	19.6	29.4

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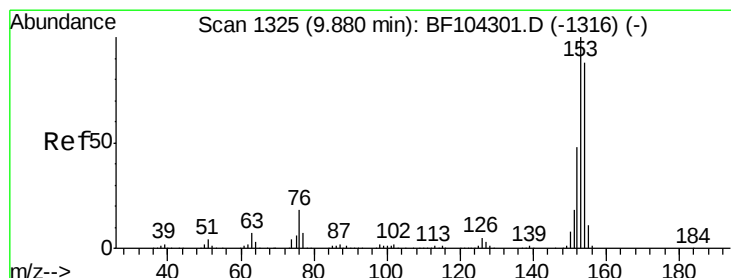
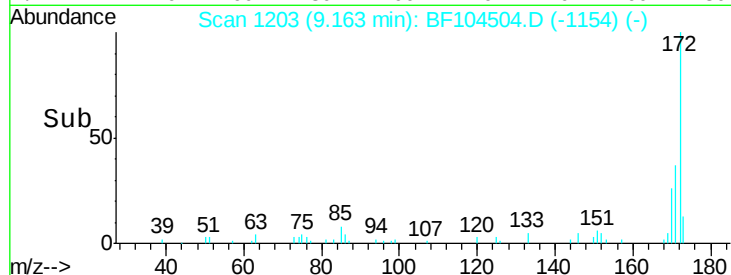
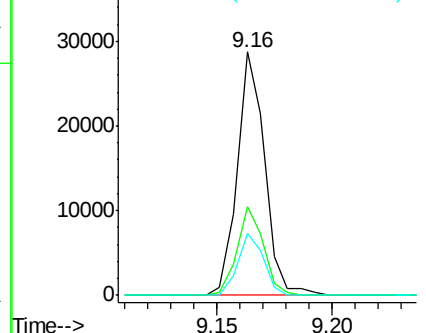


Abundance

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



#51
Acenaphthene
Concen: 5.612 ng
RT: 9.88 min Scan# 1325
Delta R.T. -0.01 min
Lab File: BF104504.D
Acq: 14 Apr 2018 4:50

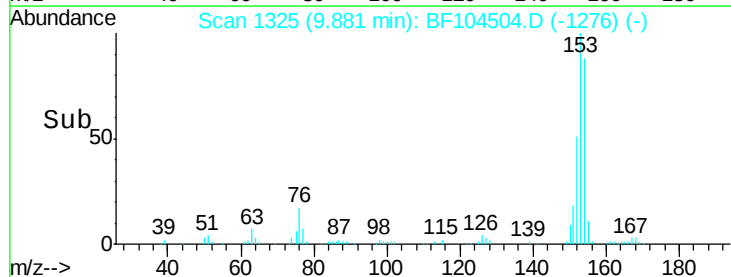
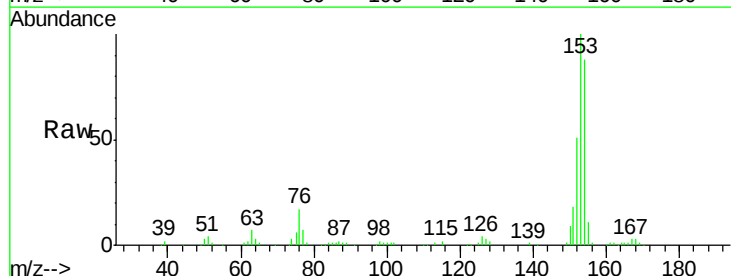
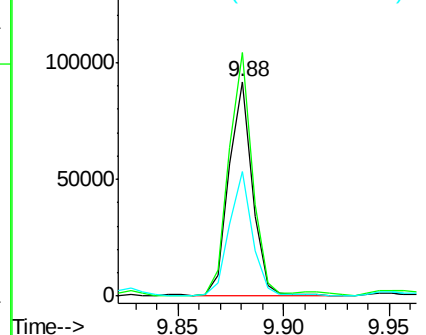
Tgt Ion	Ratio	Lower	Upper
154	100		
153	113.5	91.2	136.8
152	58.1	43.8	65.8

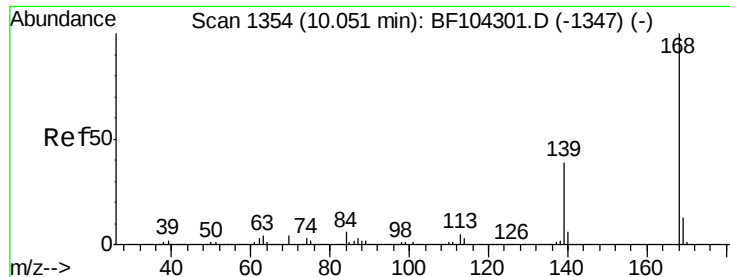
Abundance

Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E





#54

Dibenzenofuran

Concen: 2.268 ng

RT: 10.05 min Scan# 1354

Delta R.T. -0.01 min

Lab File: BF104504.D

Acq: 14 Apr 2018 4:50

Instrument :

BNA_F

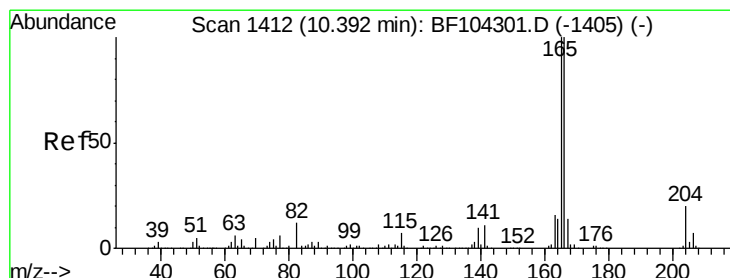
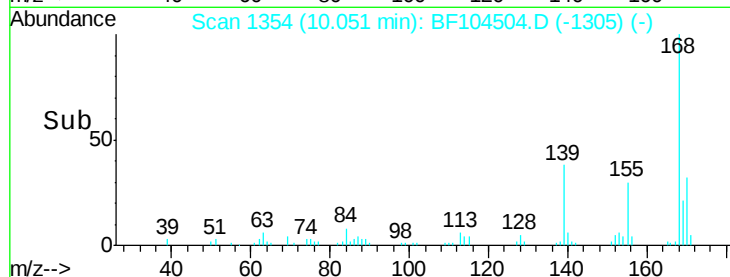
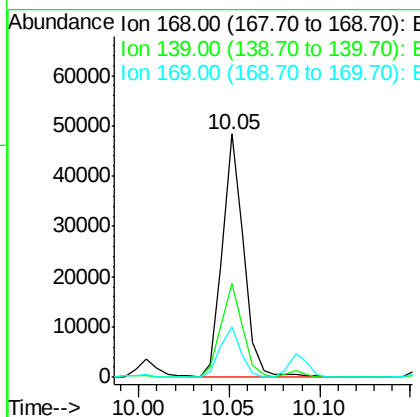
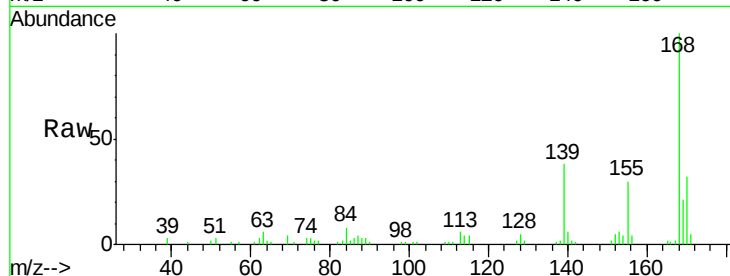
ClientSampleId :

PL-01-041118-ADL

Tot Ion:	168	Resp:	39857
Ion Ratio	Lower	Upper	
168	100		
139	38.4	30.1	45.1
169	20.7	10.9	16.3#

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#57

Fluorene

Concen: 10.519 ng

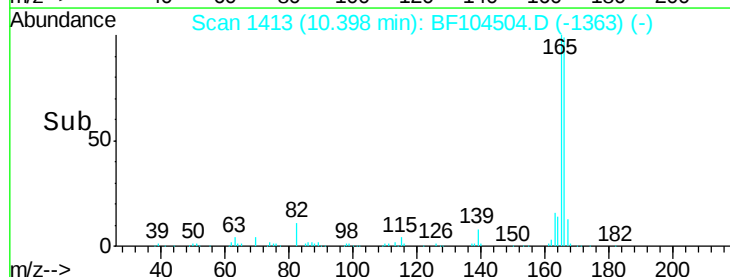
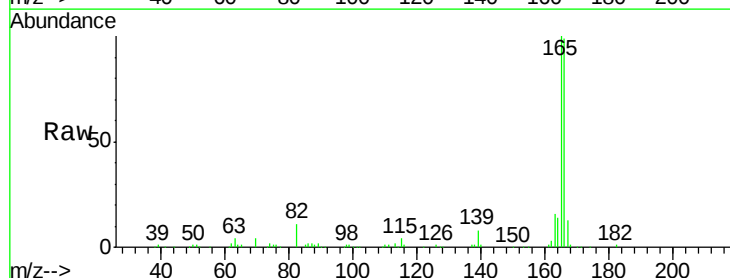
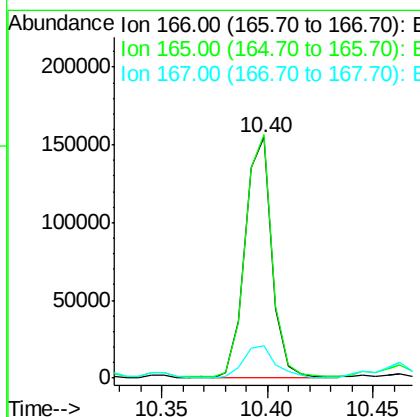
RT: 10.40 min Scan# 1413

Delta R.T. -0.01 min

Lab File: BF104504.D

Acq: 14 Apr 2018 4:50

Tgt Ion:	166	Resp:	134560
Ion Ratio	Lower	Upper	
166	100		
165	101.0	79.8	119.8
167	13.3	10.6	16.0





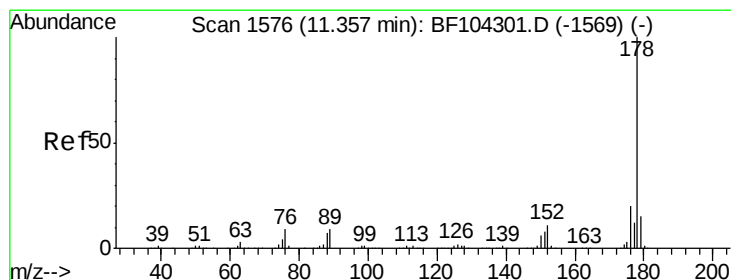
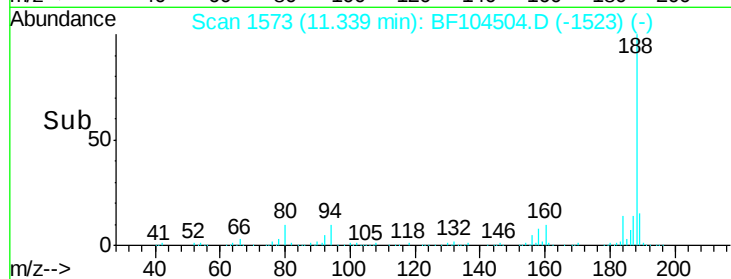
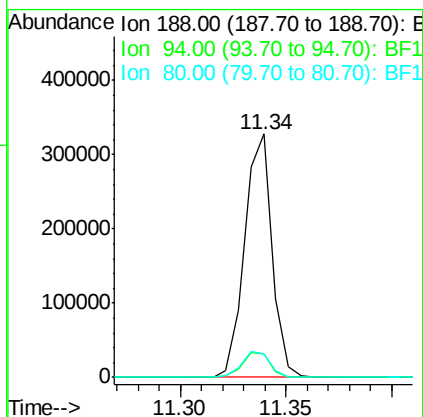
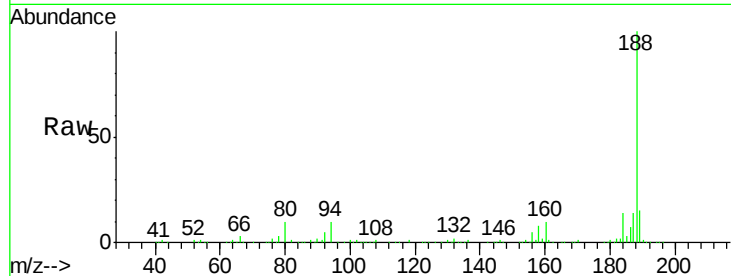
#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.34 min Scan# 1573
Delta R.T. -0.01 min
Lab File: BF104504.D
Acq: 14 Apr 2018 4:50

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

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

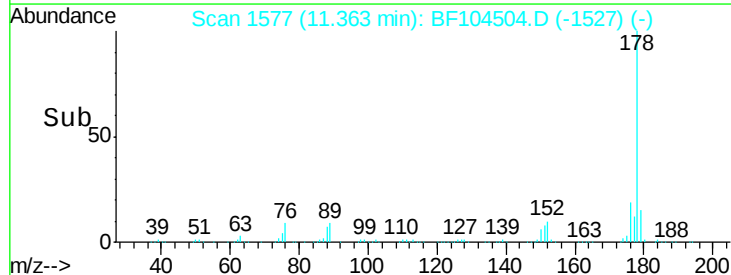
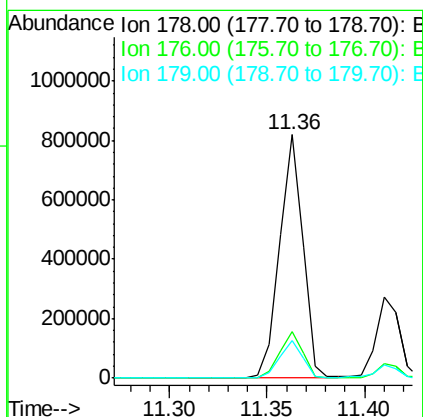
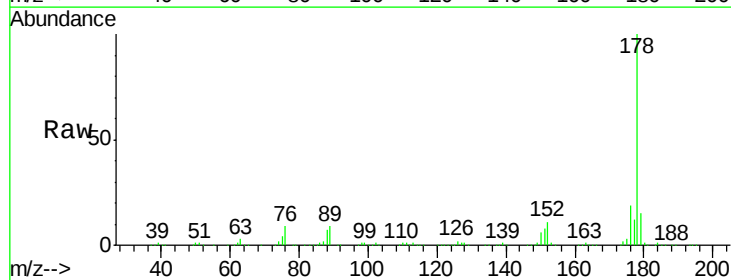
Manual Integrations
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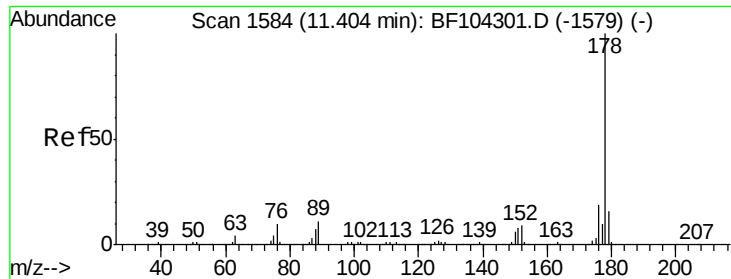
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#70
Phenanthrene
Concen: 41.154 ng
RT: 11.36 min Scan# 1577
Delta R.T. -0.01 min
Lab File: BF104504.D
Acq: 14 Apr 2018 4:50

Tgt Ion	Ratio	Resp Lower	Upper
178	100		
176	19.3	15.8	23.8
179	15.3	13.0	19.6





#71

Anthracene

Concen: 13.199 ng

RT: 11.41 min Scan# 1585

Delta R.T. -0.01 min

Lab File: BF104504.D

Acq: 14 Apr 2018 4:50

Instrument :

BNA_F

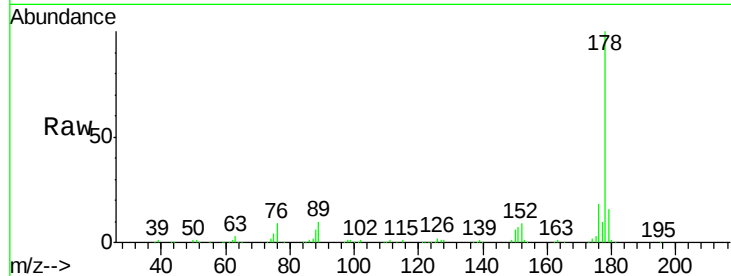
ClientSampleId :

PL-01-041118-ADL

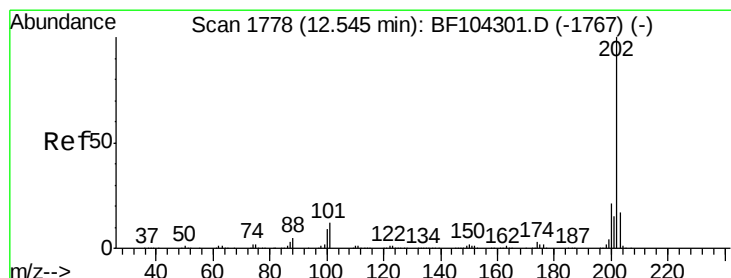
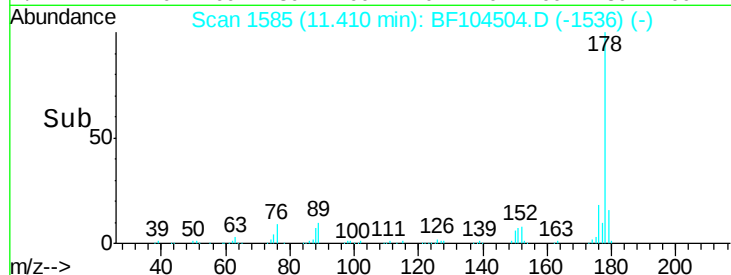
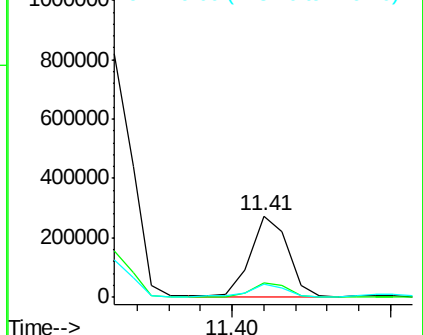
Tot Ion:	178	Resp:	220372
Ion Ratio	Lower	Upper	
178	100		
176	18.1	15.4	23.2
179	16.0	12.6	19.0

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Abundance Ion 178.00 (177.70 to 178.70): E
Ion 176.00 (175.70 to 176.70): E
Ion 179.00 (178.70 to 179.70): E



#74

Fluoranthene

Concen: 28.226 ng

RT: 12.55 min Scan# 1779

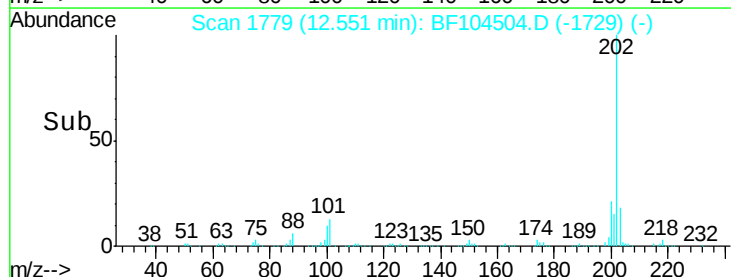
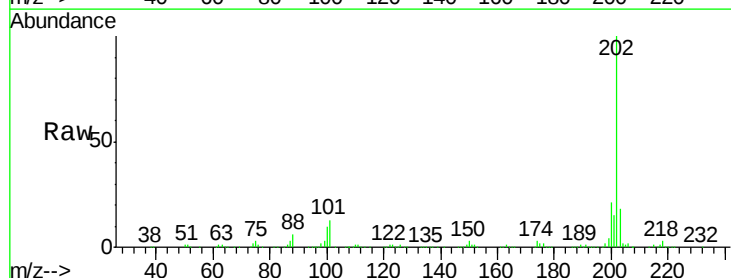
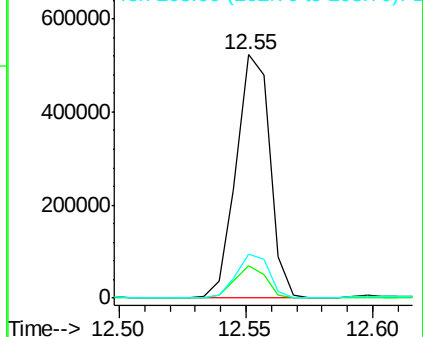
Delta R.T. -0.01 min

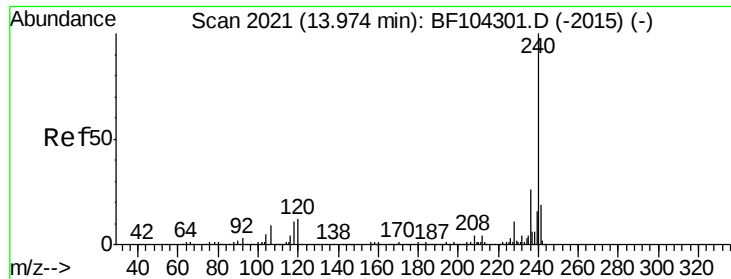
Lab File: BF104504.D

Acq: 14 Apr 2018 4:50

Tgt Ion:	202	Resp:	484395
Ion Ratio	Lower	Upper	
202	100		
101	13.3	0.0	34.1
203	18.2	0.0	38.1

Abundance Ion 202.00 (201.70 to 202.70): E
Ion 101.00 (100.70 to 101.70): E
Ion 203.00 (202.70 to 203.70): E





#75

Chrysene-d12

Concen: 20.000 ng

RT: 13.98 min Scan# 2022

Delta R.T. -0.01 min

Lab File: BF104504.D

Acq: 14 Apr 2018 4:50

Instrument :

BNA_F

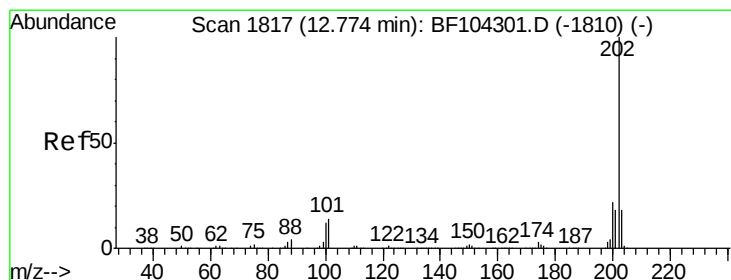
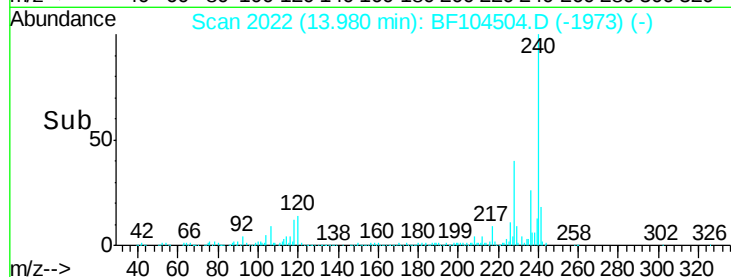
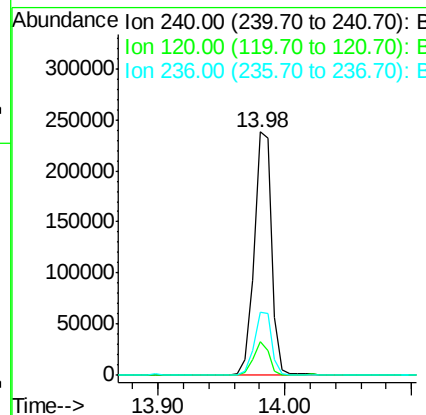
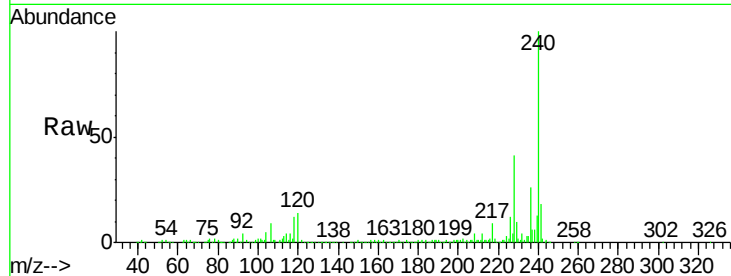
ClientSampleId :

PL-01-041118-ADL

Tot Ion:	240	Resp:	230243
Ion Ratio	Lower	Upper	
240	100		
120	13.7	9.5	14.3
236	25.9	20.7	31.1

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#77

Pyrene

Concen: 33.533 ng

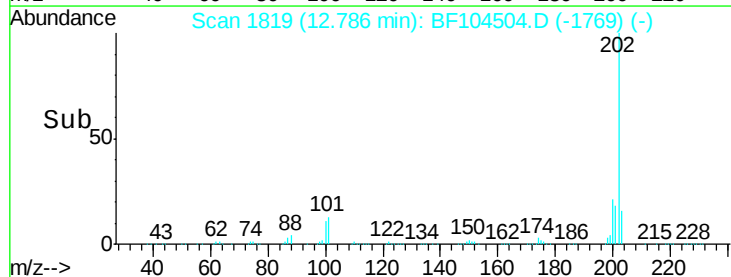
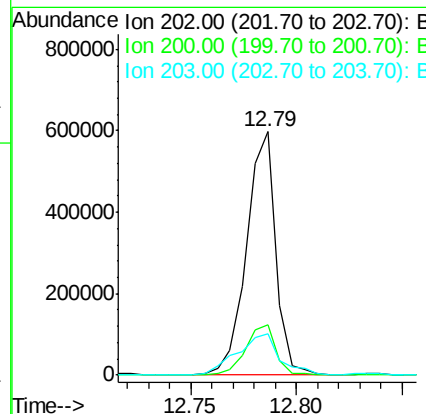
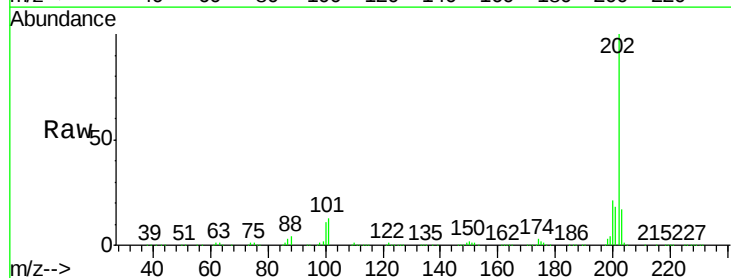
RT: 12.79 min Scan# 1819

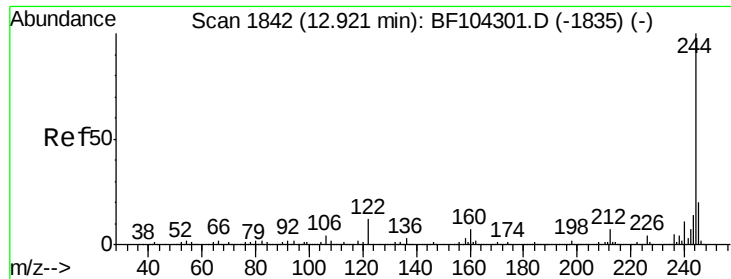
Delta R.T. -0.01 min

Lab File: BF104504.D

Acq: 14 Apr 2018 4:50

Tgt Ion:	202	Resp:	572282
Ion Ratio	Lower	Upper	
202	100		
200	20.9	17.4	26.2
203	17.1	14.3	21.5





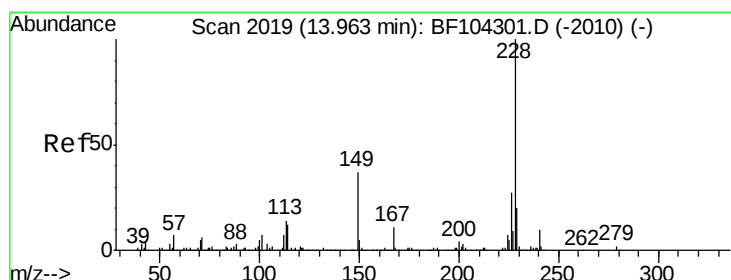
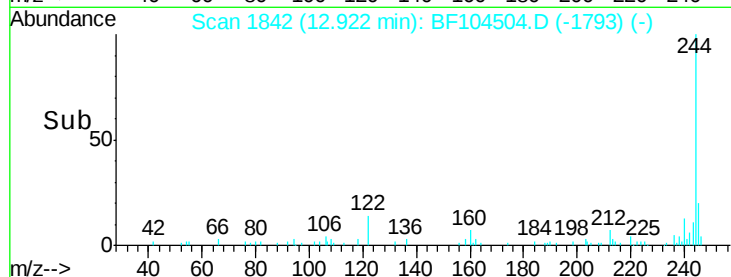
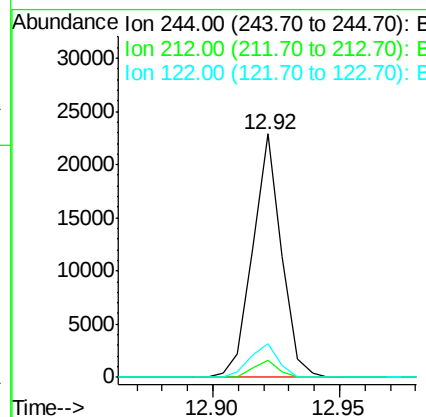
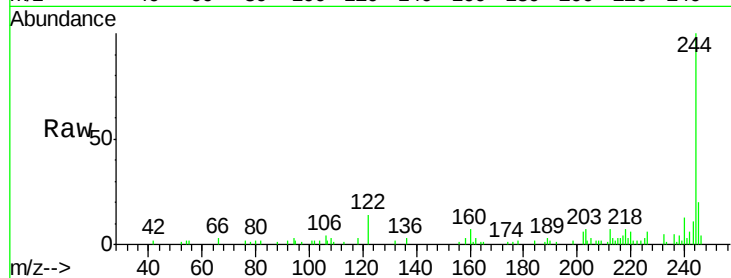
#78
 Terphenyl-d14
 Concen: 1.785 ng
 RT: 12.92 min Scan# 1842
 Delta R.T. -0.01 min
 Lab File: BF104504.D
 Acq: 14 Apr 2018 4:50

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

Tot Ion	Ratio	Lower	Upper
244	100		
212	6.9	5.4	8.0
122	14.0	11.0	16.4

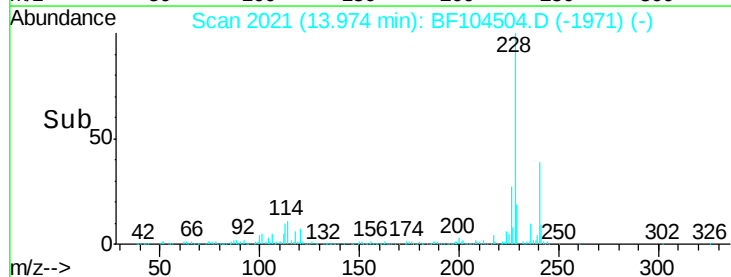
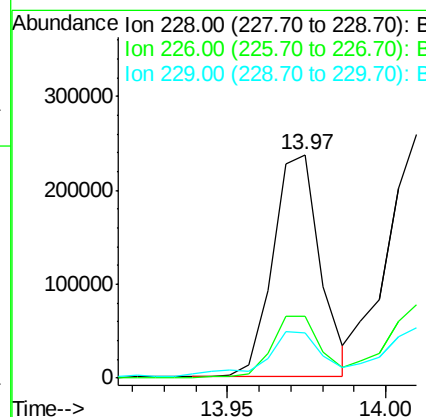
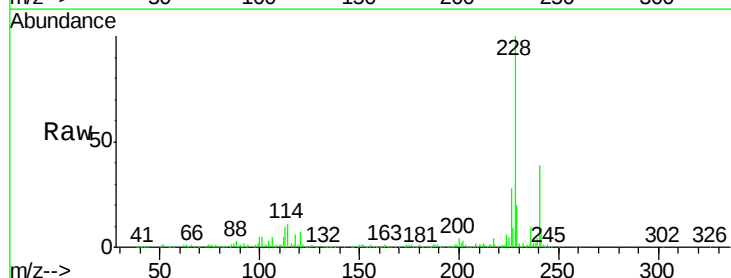
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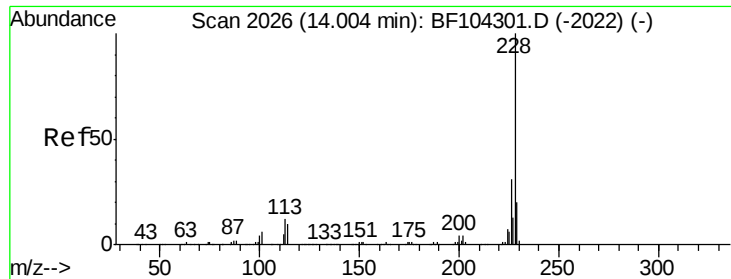
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#80
 Benzo(a)anthracene
 Concen: 17.909 ng
 RT: 13.97 min Scan# 2021
 Delta R.T. -0.01 min
 Lab File: BF104504.D
 Acq: 14 Apr 2018 4:50

Tgt Ion	Ratio	Lower	Upper
228	100		
226	27.9	22.6	33.8
229	20.5	15.8	23.6





#82

Chrysene

Concen: 17.768 ng

RT: 14.01 min Scan# 2027

Delta R.T. -0.01 min

Lab File: BF104504.D

Acq: 14 Apr 2018 4:50

Instrument :

BNA_F

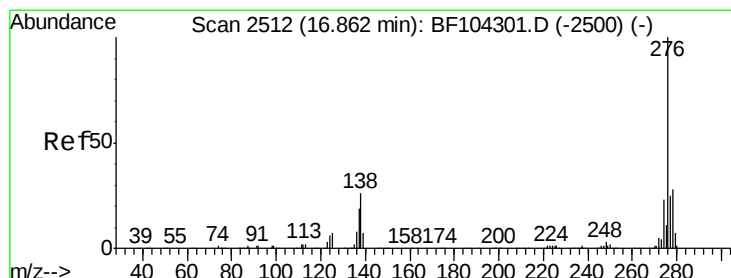
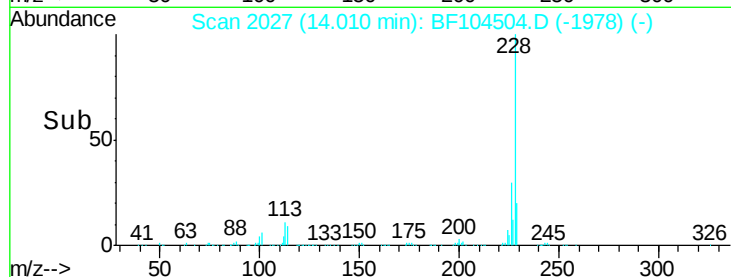
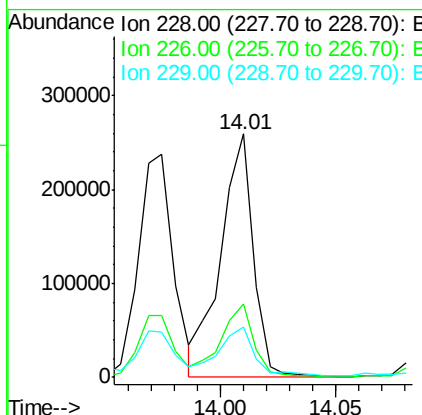
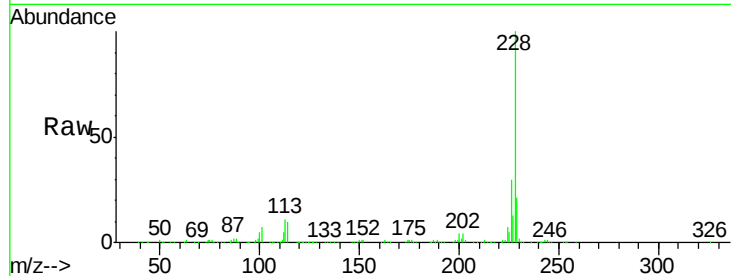
ClientSampleId :

PL-01-041118-ADL

Tot Ion:	228	Resp:	251031
Ion Ratio	Lower	Upper	
228	100		
226	30.2	25.0	37.6
229	20.7	16.2	24.4

Manual Integrations
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#85

Indeno(1,2,3-cd)pyrene

Concen: 4.238 ng

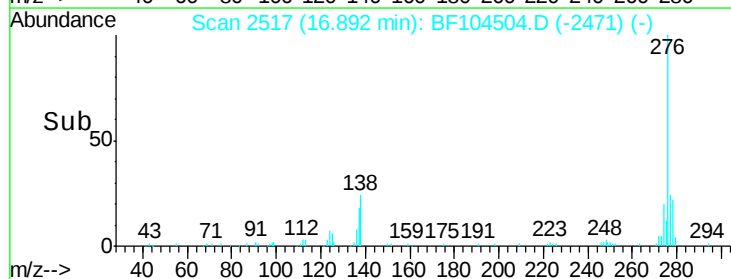
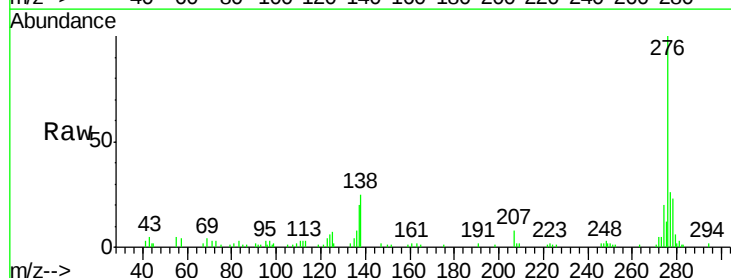
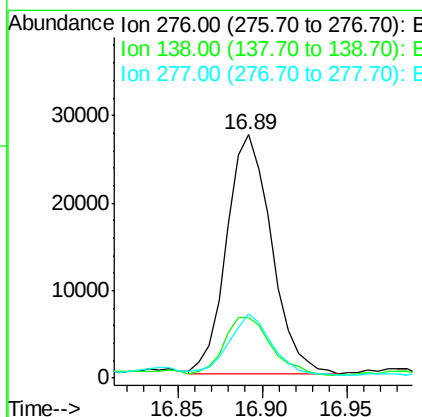
RT: 16.89 min Scan# 2517

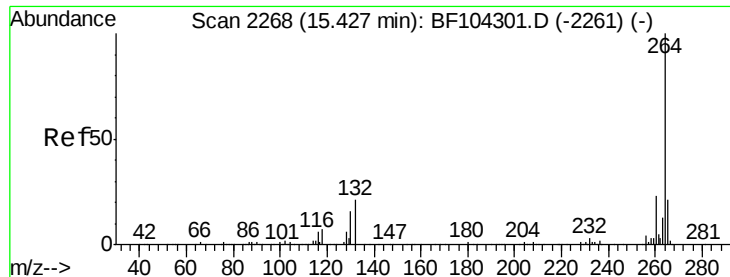
Delta R.T. -0.03 min

Lab File: BF104504.D

Acq: 14 Apr 2018 4:50

Tgt Ion:	276	Resp:	50862
Ion Ratio	Lower	Upper	
276	100		
138	27.1	25.0	37.6
277	24.5	20.1	30.1





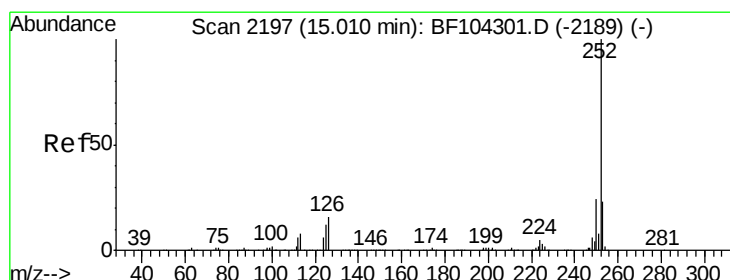
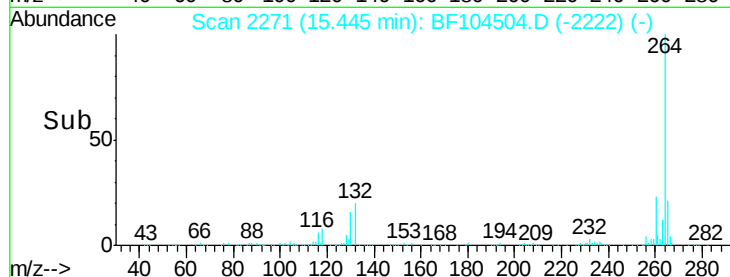
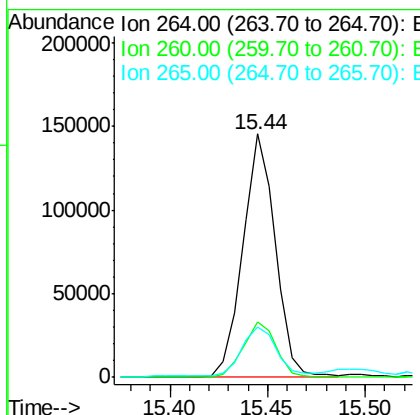
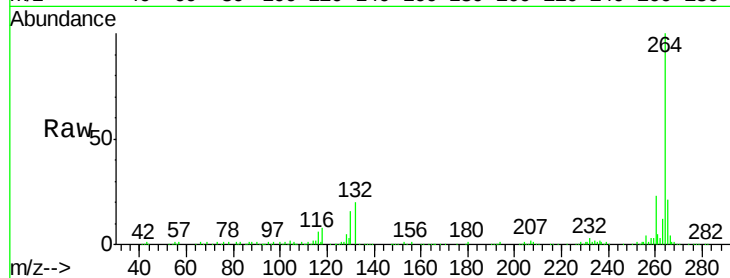
#86
Pervlene-d12
Concen: 20.000 ng
RT: 15.44 min Scan# 2271
Delta R.T. -0.01 min
Lab File: BF104504.D
Acq: 14 Apr 2018 4:50

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

Tot Ion	Ratio	Lower	Upper
264	100		
260	22.7	19.2	28.8
265	20.8	17.5	26.3

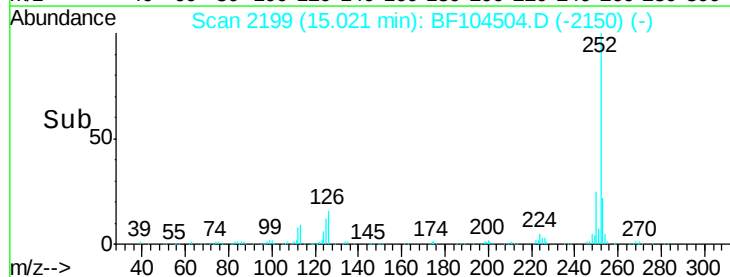
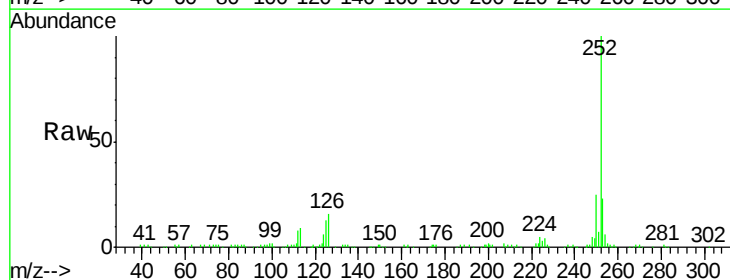
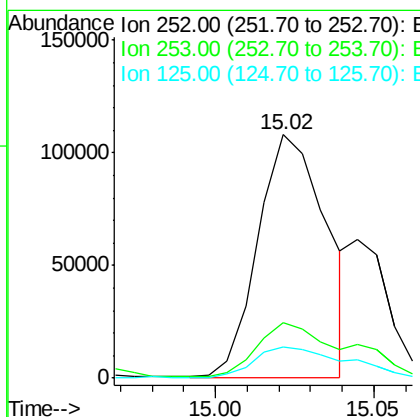
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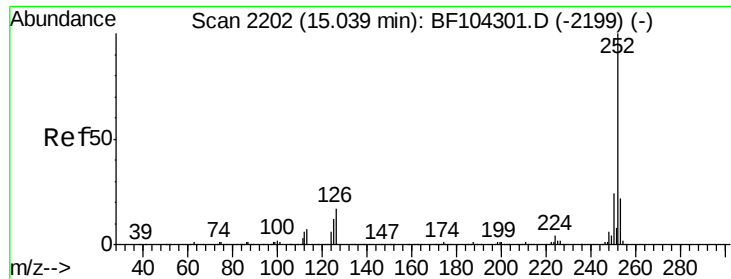
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#87
Benzo(b)fluoranthene
Concen: 15.125 ng m
RT: 15.02 min Scan# 2199
Delta R.T. -0.01 min
Lab File: BF104504.D
Acq: 14 Apr 2018 4:50

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.6	17.0	25.6
125	12.7	9.0	13.6





#88

Benzo(k)fluoranthene

Concen: 5.258 ng

RT: 15.04 min Scan# 2203

Delta R.T. -0.02 min

Lab File: BF104504.D

Acq: 14 Apr 2018 4:50

Instrument :

BNA_F

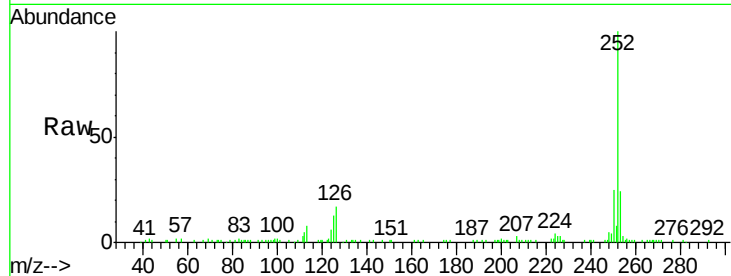
ClientSampleId :

PL-01-041118-ADL

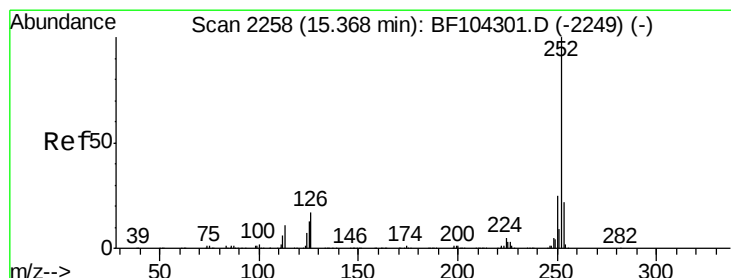
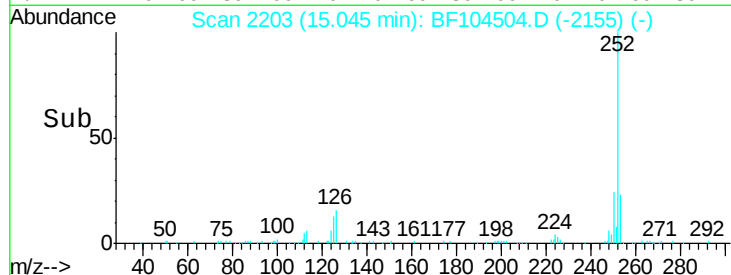
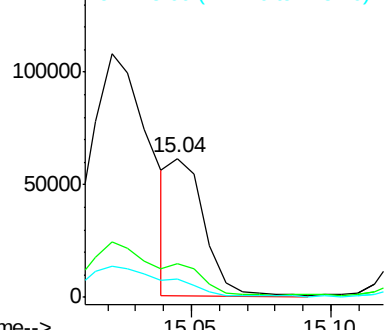
Tot Ion:	252	Resp:	52720
Ion Ratio	Lower	Upper	
252	100		
253	24.5	17.9	26.9
125	13.4	10.2	15.2

Manual Integrations
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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: 13.258 ng

RT: 15.39 min Scan# 2261

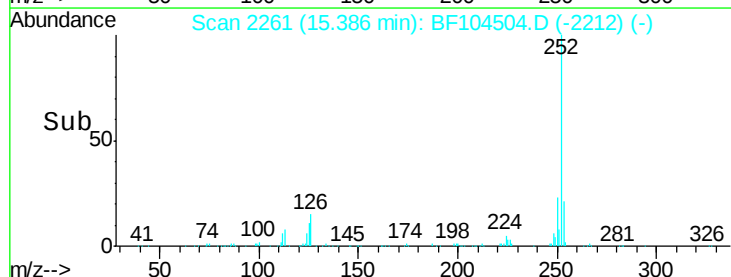
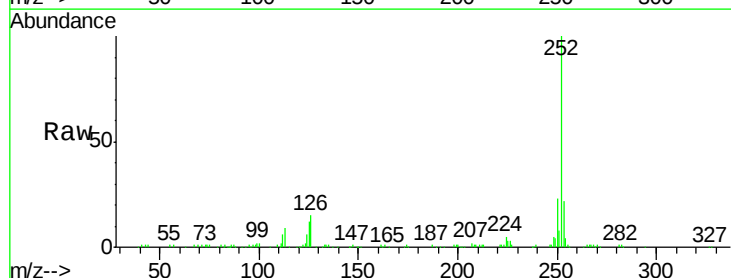
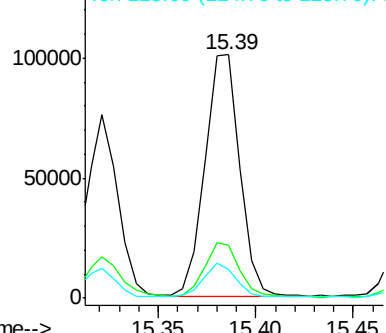
Delta R.T. -0.01 min

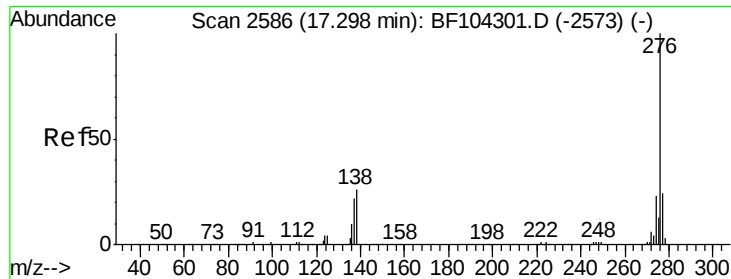
Lab File: BF104504.D

Acq: 14 Apr 2018 4:50

Tgt Ion:	252	Resp:	125987
Ion Ratio	Lower	Upper	
252	100		
253	21.7	17.1	25.7
125	11.6	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





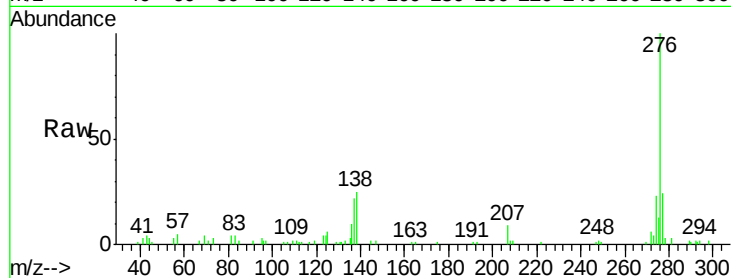
#91
 Benzo(a,h,i)perylene
 Concen: 7.880 ng
 RT: 17.33 min Scan# 2592
 Delta R.T. -0.03 min
 Lab File: BF104504.D
 Acq: 14 Apr 2018 4:50

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

Tot Ion	Ratio	Lower	Upper
276	100		
277	23.7	17.9	26.9
138	25.0	21.8	32.8

Manual Integrations
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Abundance Ion 276.00 (275.70 to 276.70): E
 Ion 277.00 (276.70 to 277.70): E
 Ion 138.00 (137.70 to 138.70): E

