

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF122217\
 Data File : BF101653.D
 Acq On : 22 Dec 2017 15:10
 Operator : SJ/JU
 Sample : I6681-01DL 10X
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 PL-01-121917-ADL

Manual Integrations
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 12/26/2017 1:37:15 PM

Quant Time: Dec 22 16:17:52 2017
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF121417.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Dec 22 16:07:58 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.79	152	157973	20.00	ng	0.00
21) Naphthalene-d8	8.07	136	636241	20.00	ng	0.00
38) Acenaphthene-d10	9.82	164	281594	20.00	ng	0.00
63) Phenanthrene-d10	11.32	188	501086	20.00	ng	0.00
75) Chrysene-d12	13.96	240	313803	20.00	ng	0.00
86) Perylene-d12	15.43	264	309599	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.42	112	136832	12.90	ng	0.01
7) Phenol-d6	6.43	99	180767	13.70	ng	0.00
23) Nitrobenzene-d5	7.36	82	110902	9.70	ng	0.00
41) 2,4,6-Tribromophenol	10.62	330	35434	13.06	ng	0.00
44) 2-Fluorobiphenyl	9.14	172	190049	10.47	ng	0.00
78) Terphenyl-d14	12.89	244	156102	11.99	ng	-0.01
Target Compounds						
70) Phenanthrene	11.34	178	321995	11.555	ng	Qvalue 99
71) Anthracene	11.40	178	85388	3.000	ng	97
74) Fluoranthene	12.53	202	769617	26.312	ng	98
77) Pyrene	12.76	202	808796	34.343	ng	99
80) Benzo(a)anthracene	13.96	228	418798	20.211	ng	99
82) Chrysene	13.99	228	396693	20.276	ng	99
85) Indeno(1,2,3-cd)pyrene	16.90	276	227946	13.084	ng	# 91
87) Benzo(b)fluoranthene	15.00	252	476151m	25.232	ng	
88) Benzo(k)fluoranthene	15.03	252	152458m	8.309	ng	
89) Benzo(a)pyrene	15.37	252	359978	20.693	ng	97
90) Dibenzo(a,h)anthracene	16.90	278	52856m	3.539	ng	
91) Benzo(g,h,i)perylene	17.34	276	223681	15.124	ng	95

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

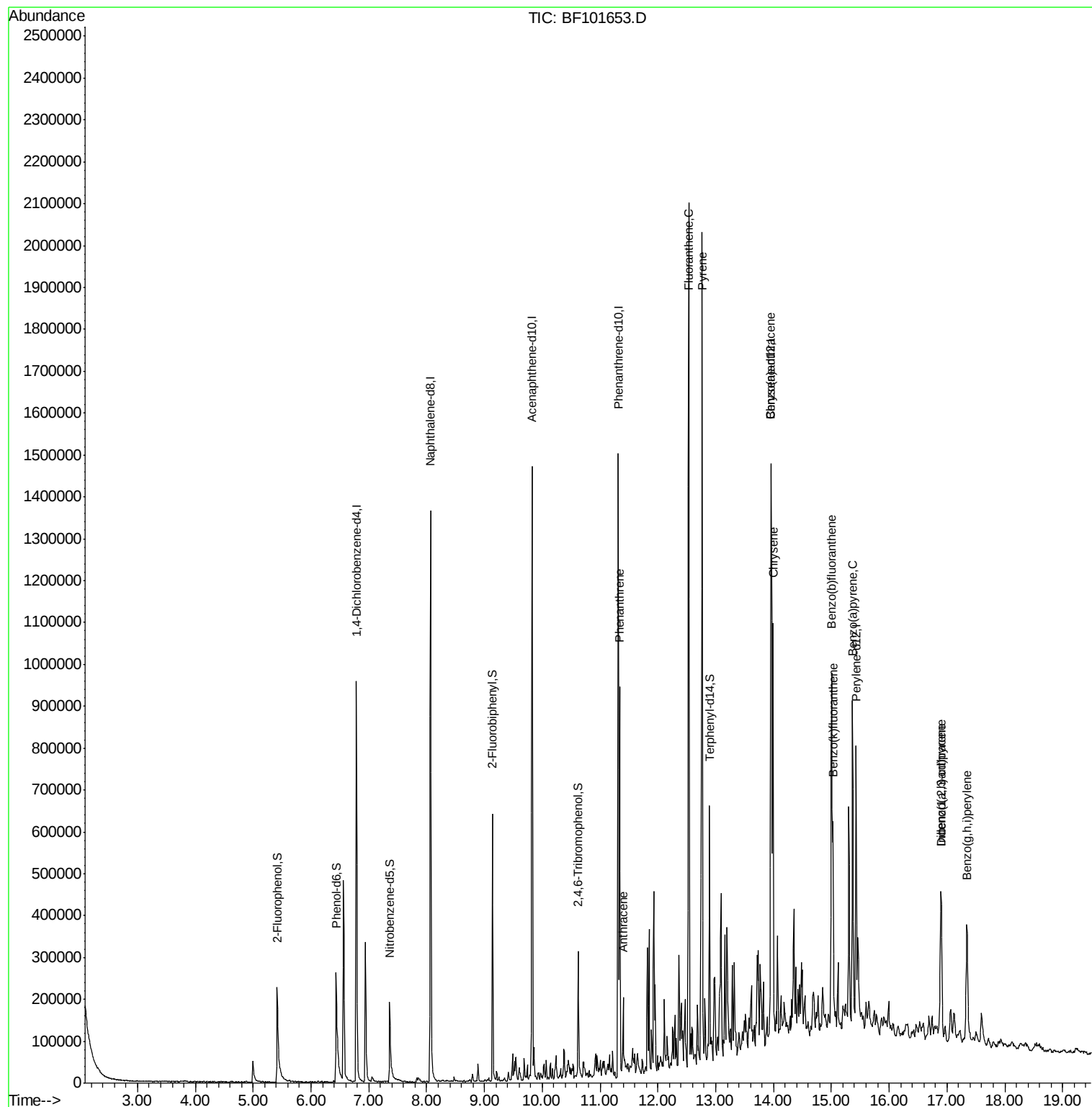
Data Path : Z:\HPCHEM1\BNA_F\DATA\BF122217\
Data File : BF101653.D
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Operator : SJ/JU
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Misc :
ALS Vial : 5 Sample Multiplier: 1

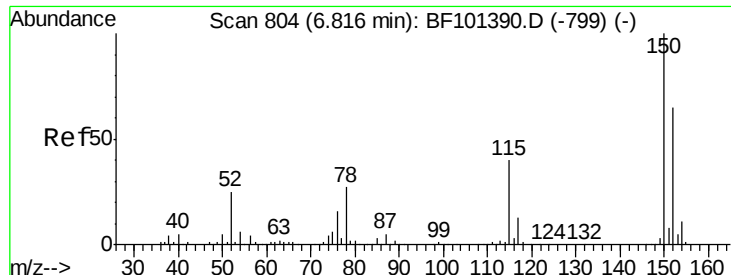
Instrument :
BNA_F
ClientSampleId :
PL-01-121917-ADL

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Quant Time: Dec 22 16:17:52 2017
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF121417.M
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#1

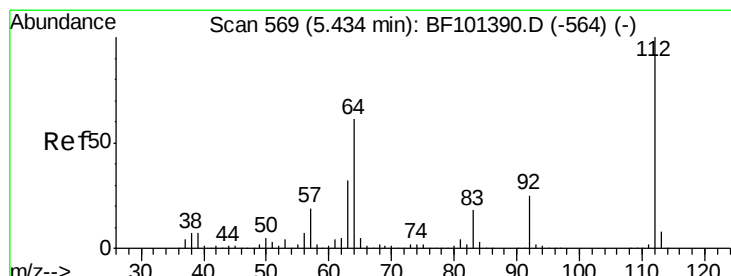
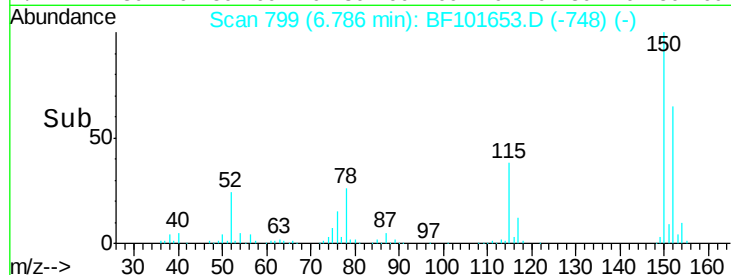
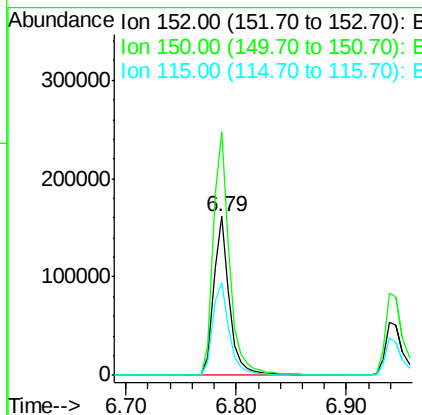
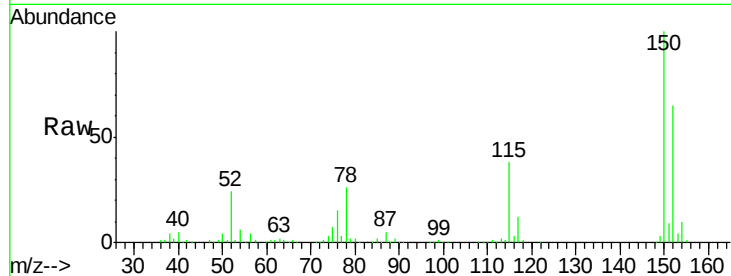
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.79 min Scan# 799
Delta R.T. 0.00 min
Lab File: BF101653.D
Acq: 22 Dec 2017 15:10

Instrument :
BNA_F
ClientSampleId :
PL-01-121917-ADL

Tgt Ion	Ratio	Lower	Upper
152	100		
150	153.4	124.6	186.8
115	58.5	50.1	75.1

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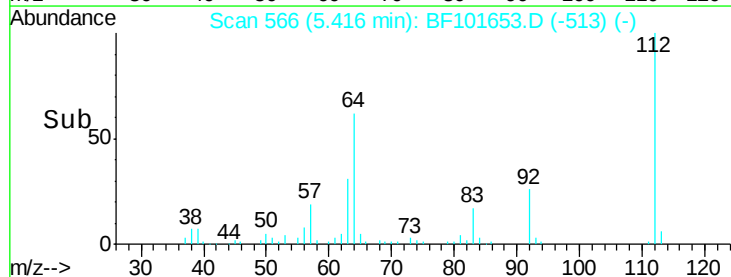
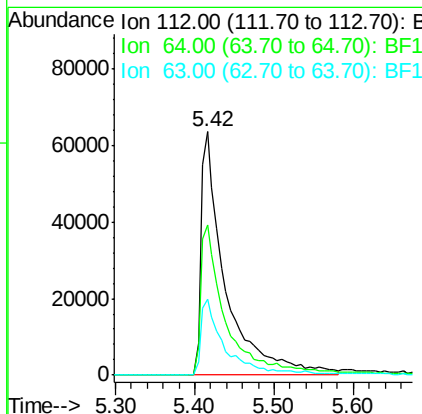
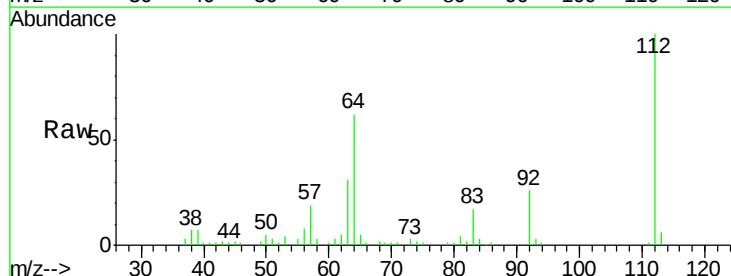
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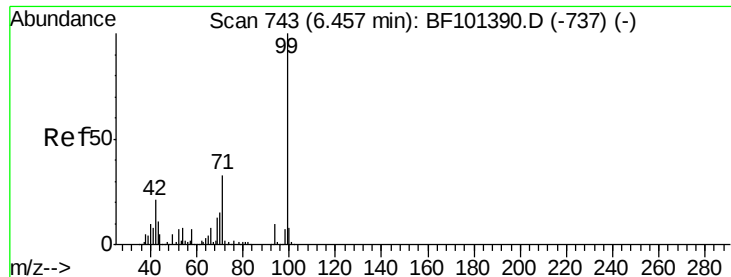


#5

2-Fluorophenol
Concen: 12.902 ng
RT: 5.42 min Scan# 566
Delta R.T. 0.01 min
Lab File: BF101653.D
Acq: 22 Dec 2017 15:10

Tgt Ion	Ratio	Lower	Upper
112	100		
64	61.8	47.9	71.9
63	31.4	23.7	35.5





#7

Phenol-d6

Concen: 13.696 ng

RT: 6.43 min Scan# 739

Delta R.T. 0.00 min

Lab File: BF101653.D

Acq: 22 Dec 2017 15:10

Instrument :

BNA_F

ClientSampleId :

PL-01-121917-ADL

Tgt Ion: 99 Resp: 180767

Ion Ratio Lower Upper

99 100

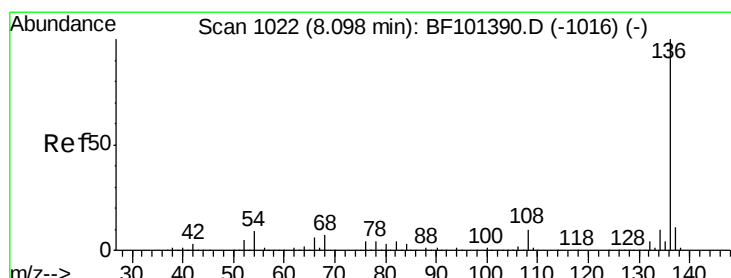
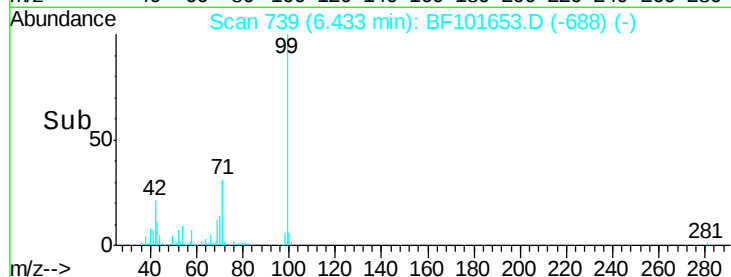
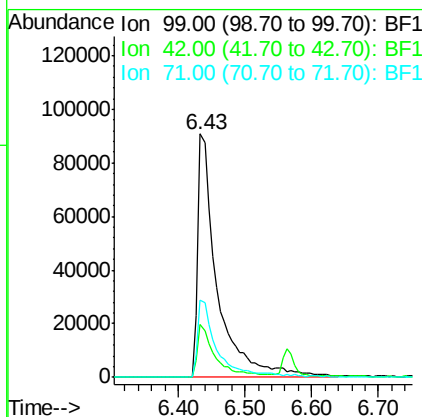
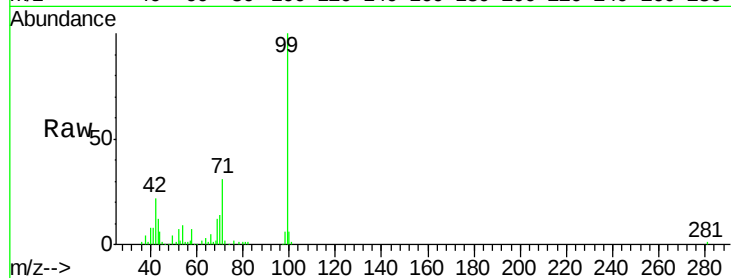
42 21.9 14.5 21.7#

71 31.5 25.4 38.0

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#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.07 min Scan# 1017

Delta R.T. -0.00 min

Lab File: BF101653.D

Acq: 22 Dec 2017 15:10

Tgt Ion: 136 Resp: 636241

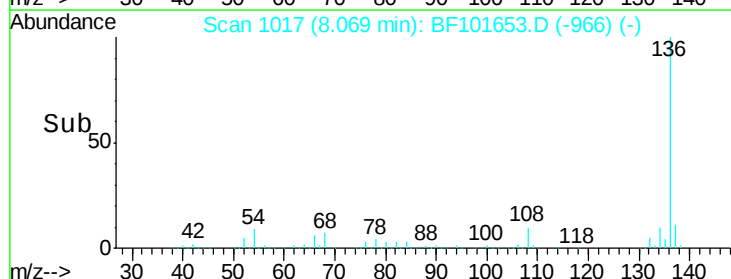
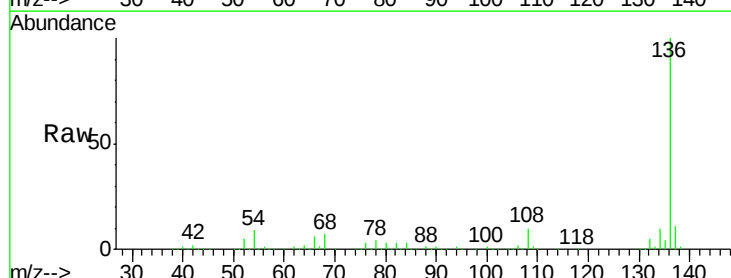
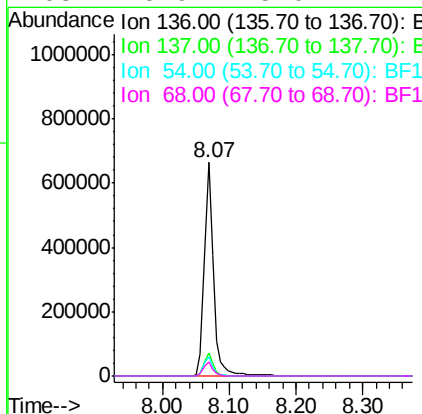
Ion Ratio Lower Upper

136 100

137 10.9 8.9 13.3

54 9.3 6.6 9.8

68 6.9 5.0 7.4





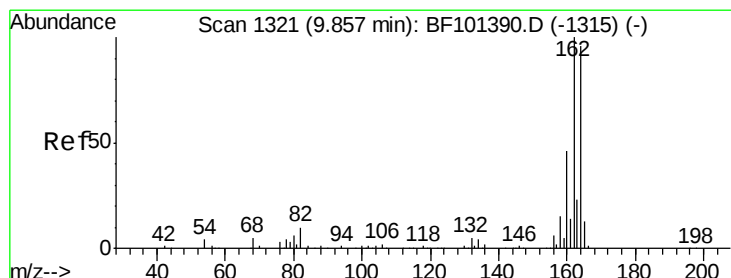
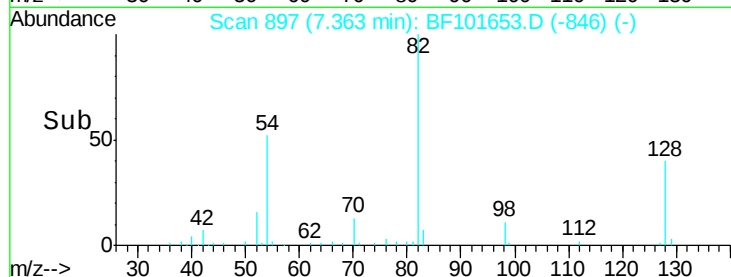
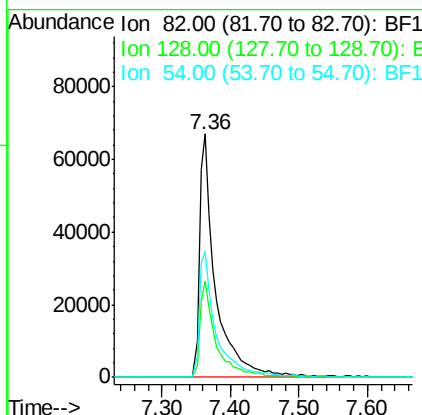
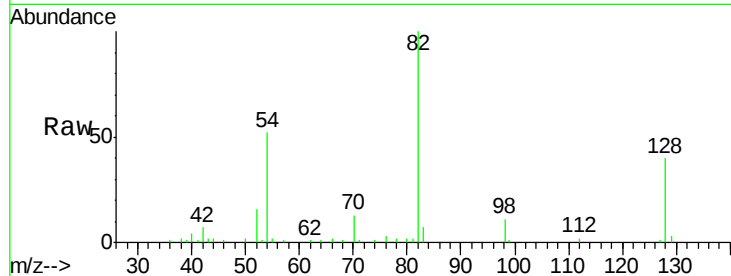
#23
 Nitrobenzene-d5
 Concen: 9.703 ng
 RT: 7.36 min Scan# 897
 Delta R.T. 0.00 min
 Lab File: BF101653.D
 Acq: 22 Dec 2017 15:10

Instrument :
 BNA_F
 ClientSampleId :
 PL-01-121917-ADL

Tgt Ion	Ratio	Lower	Upper
82	100		
128	39.6	36.1	54.1
54	51.9	41.4	62.2

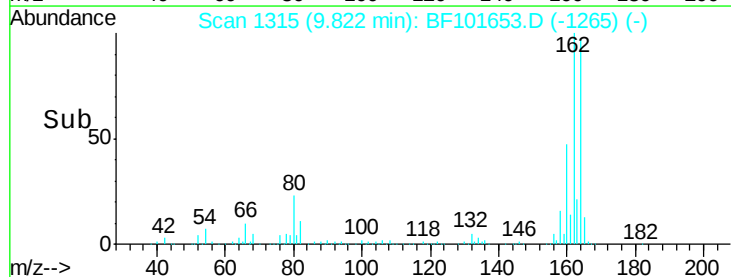
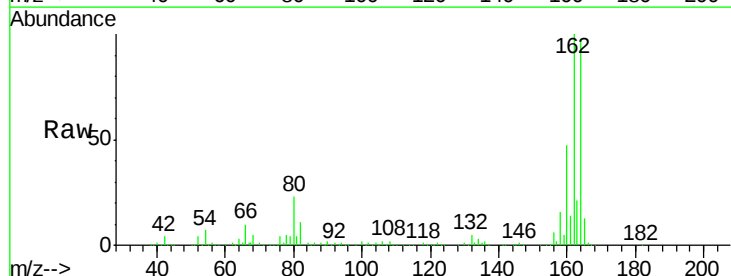
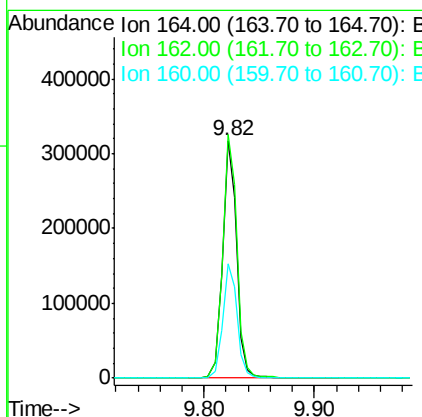
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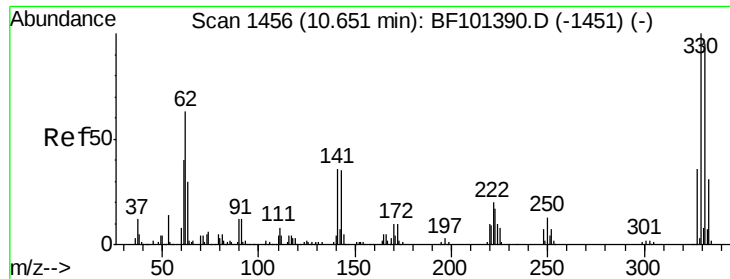
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#38
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.82 min Scan# 1315
 Delta R.T. -0.01 min
 Lab File: BF101653.D
 Acq: 22 Dec 2017 15:10

Tgt Ion	Ratio	Lower	Upper
164	100		
162	102.6	86.1	129.1
160	48.2	38.3	57.5





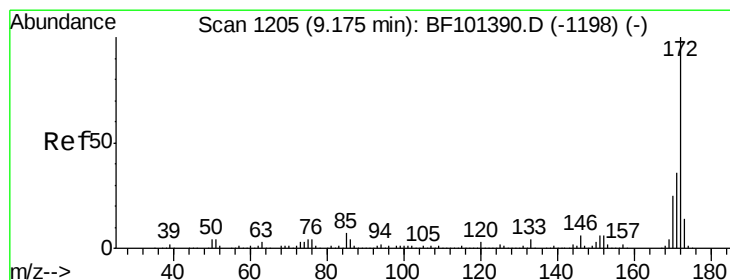
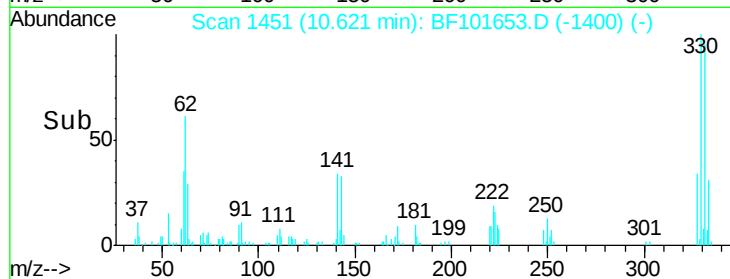
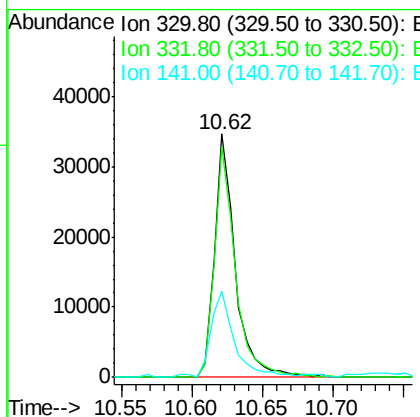
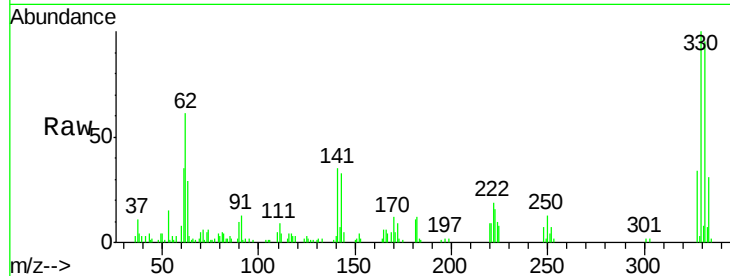
#41
 2,4,6-Tribromophenol
 Concen: 13.059 ng
 RT: 10.62 min Scan# 1451
 Delta R.T. -0.00 min
 Lab File: BF101653.D
 Acq: 22 Dec 2017 15:10

Instrument :
 BNA_F
 ClientSampleId :
 PL-01-121917-ADL

Tgt Ion	Ratio	Lower	Upper
330	100		
332	95.7	77.0	115.6
141	40.2	29.9	44.9

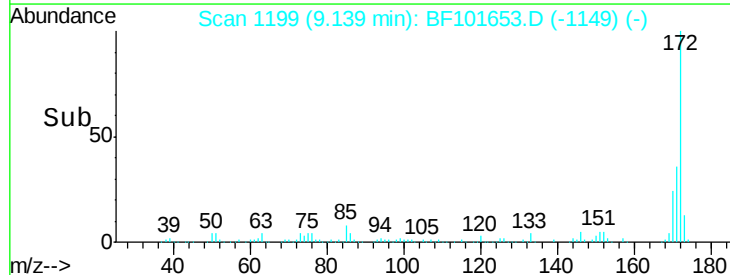
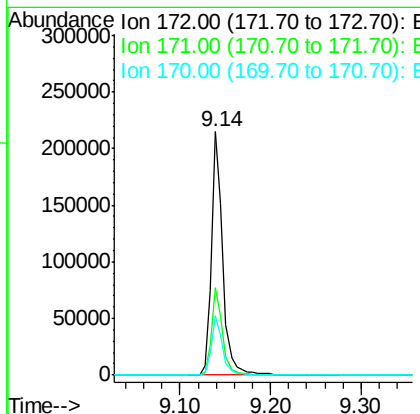
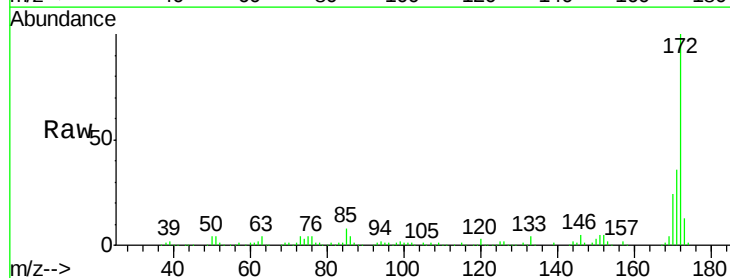
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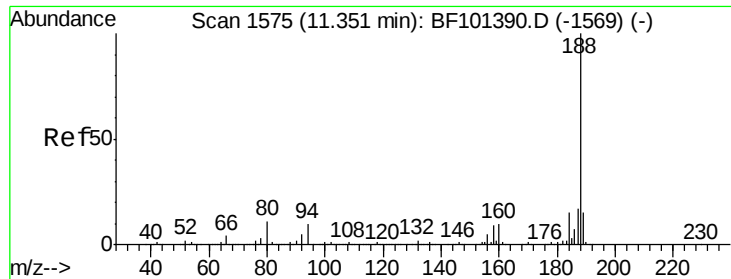
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#44
 2-Fluorobiphenyl
 Concen: 10.469 ng
 RT: 9.14 min Scan# 1199
 Delta R.T. -0.01 min
 Lab File: BF101653.D
 Acq: 22 Dec 2017 15:10

Tgt Ion	Ratio	Lower	Upper
172	100		
171	36.0	29.7	44.5
170	24.4	19.6	29.4





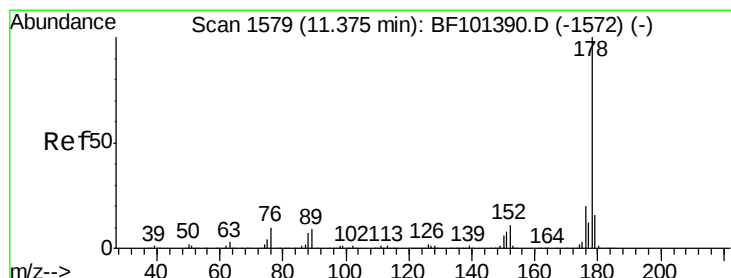
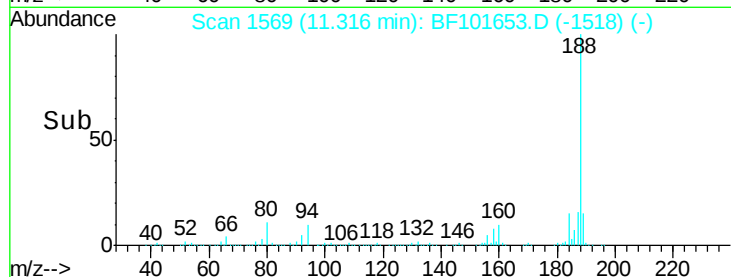
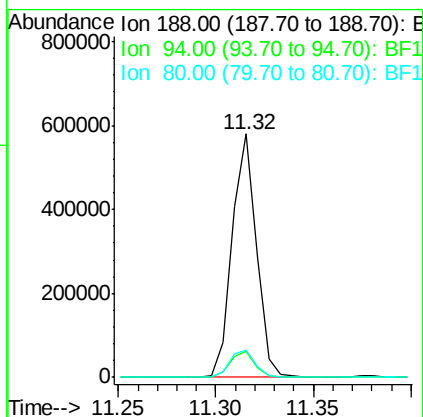
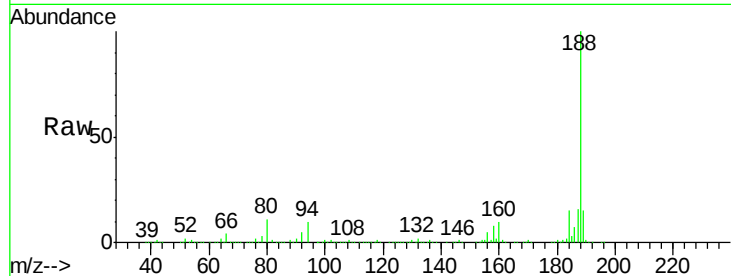
#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.32 min Scan# 1569
Delta R.T. 0.00 min
Lab File: BF101653.D
Acq: 22 Dec 2017 15:10

Instrument :
BNA_F
ClientSampleId :
PL-01-121917-ADL

Tgt Ion	Ratio	Resp Lower	Upper
188	100		
94	10.5	8.5	12.7
80	11.4	9.2	13.8

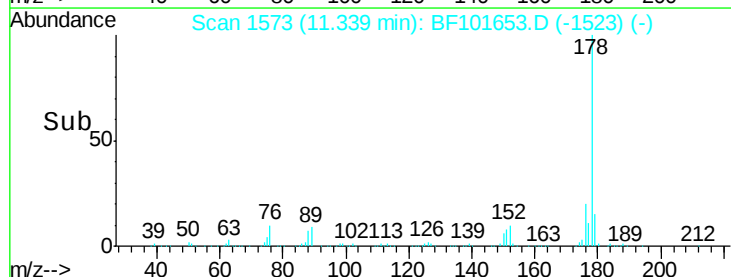
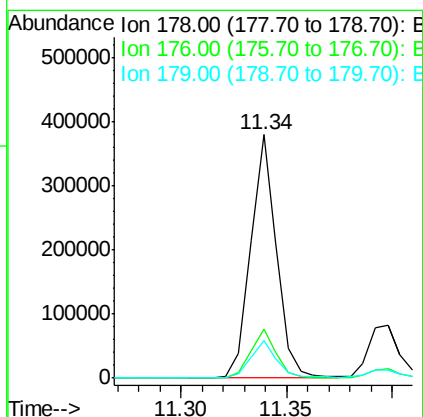
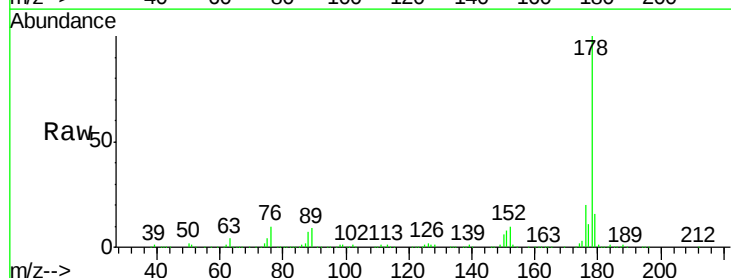
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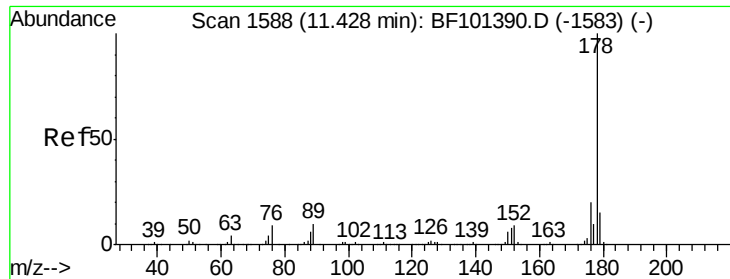
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#70
Phenanthrene
Concen: 11.555 ng
RT: 11.34 min Scan# 1573
Delta R.T. -0.01 min
Lab File: BF101653.D
Acq: 22 Dec 2017 15:10

Tgt Ion	Ratio	Resp Lower	Upper
178	100		
176	20.0	15.8	23.8
179	15.5	13.0	19.6





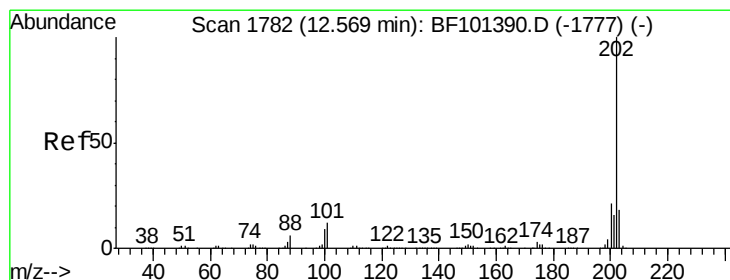
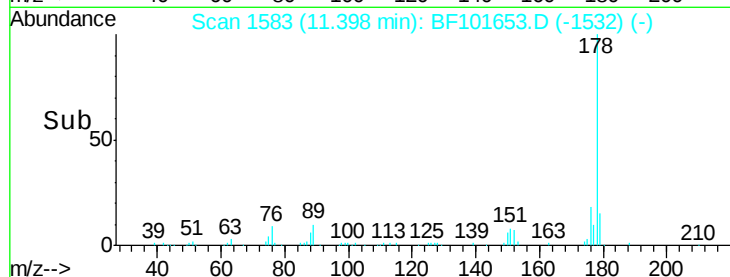
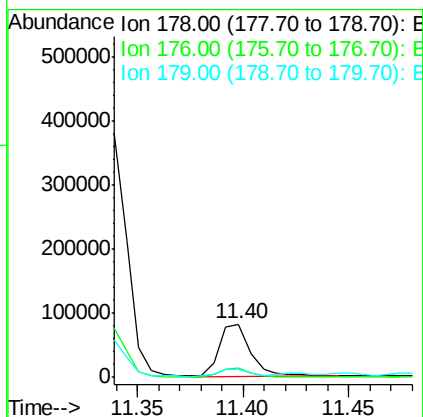
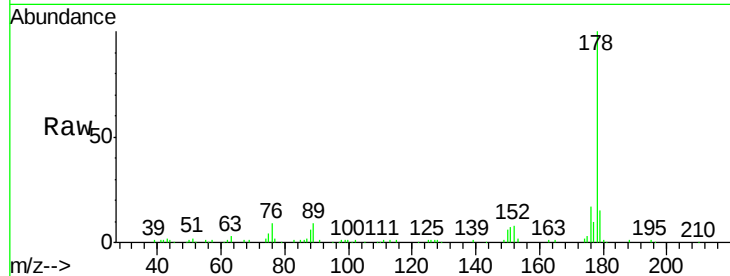
#71
 Anthracene
 Concen: 3.000 ng
 RT: 11.40 min Scan# 1583
 Delta R.T. 0.00 min
 Lab File: BF101653.D
 Acq: 22 Dec 2017 15:10

Instrument :
 BNA_F
 ClientSampleId :
 PL-01-121917-ADL

Tgt Ion	Ratio	Lower	Upper
178	100		
176	17.5	15.4	23.2
179	15.5	12.6	19.0

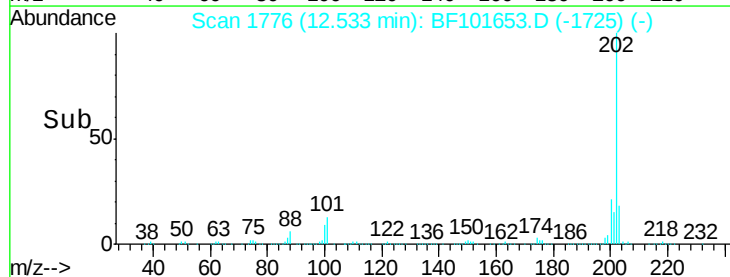
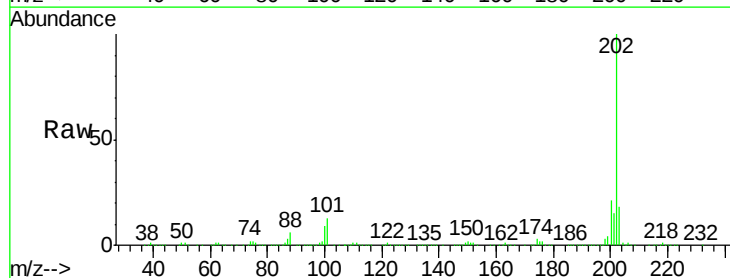
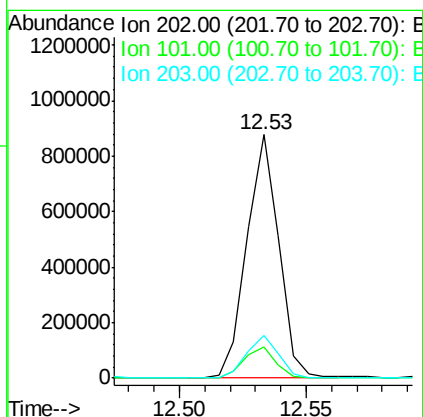
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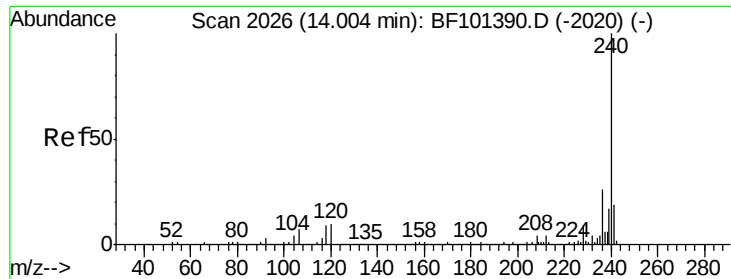
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#74
 Fluoranthene
 Concen: 26.312 ng
 RT: 12.53 min Scan# 1776
 Delta R.T. -0.00 min
 Lab File: BF101653.D
 Acq: 22 Dec 2017 15:10

Tgt Ion	Ratio	Lower	Upper
202	100		
101	12.9	0.0	34.1
203	17.6	0.0	38.1





#75

Chrysene-d12

Concen: 20.000 ng

RT: 13.96 min Scan# 2019

Delta R.T. -0.01 min

Lab File: BF101653.D

Acq: 22 Dec 2017 15:10

Instrument :

BNA_F

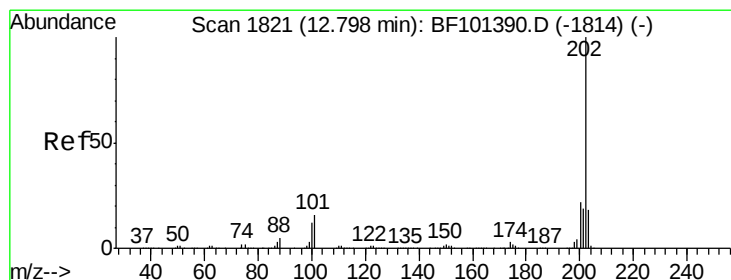
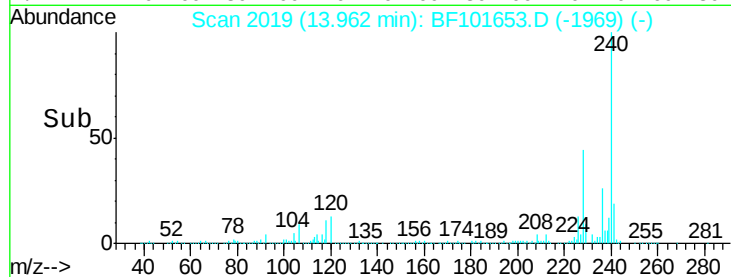
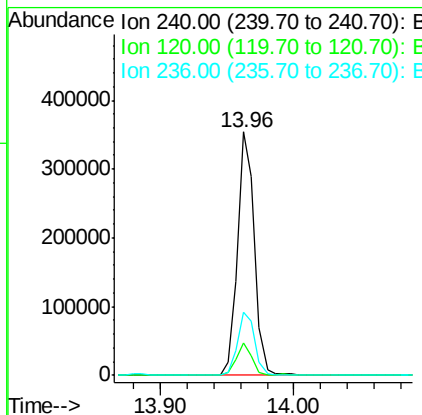
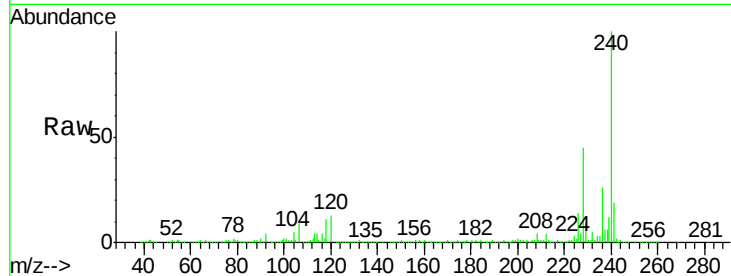
ClientSampleId :

PL-01-121917-ADL

Tgt Ion	Ratio	Resp	Lower	Upper
240	100	313803		
120	13.4	9.5	14.3	
236	25.8	20.7	31.1	

Manual Integrations
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#77

Pyrene

Concen: 34.343 ng

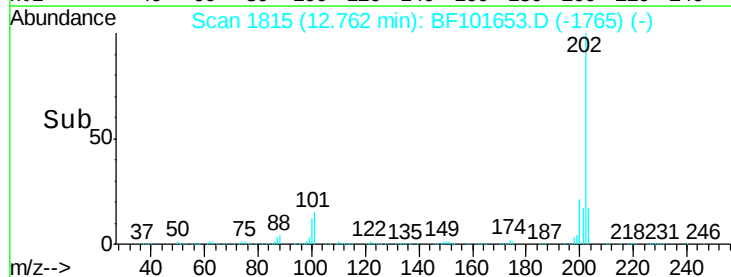
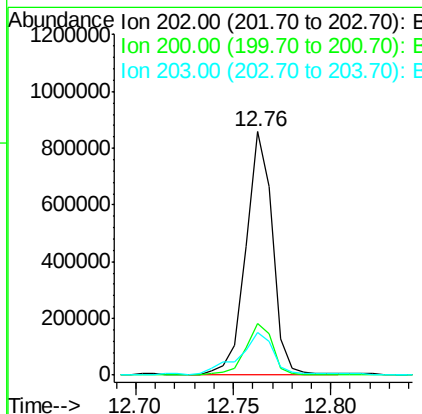
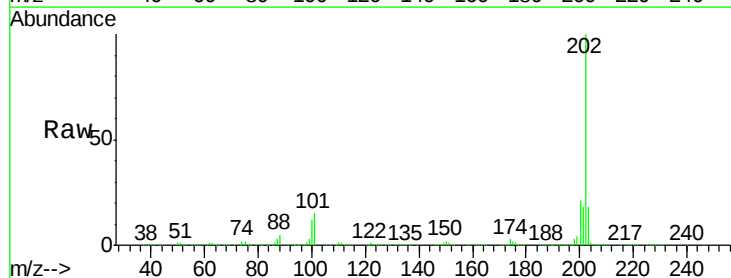
RT: 12.76 min Scan# 1815

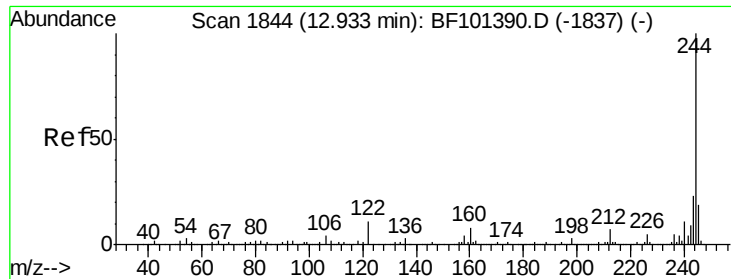
Delta R.T. -0.01 min

Lab File: BF101653.D

Acq: 22 Dec 2017 15:10

Tgt Ion	Ratio	Resp	Lower	Upper
202	100	808796		
200	21.4	17.4	26.2	
203	17.7	14.3	21.5	





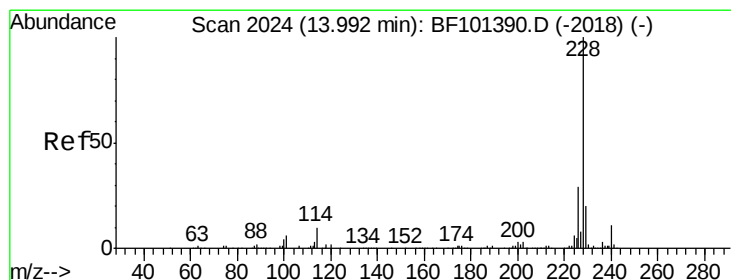
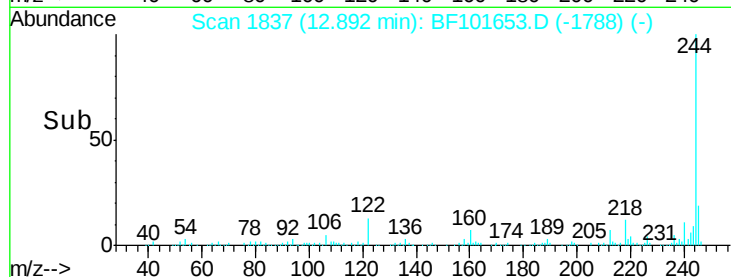
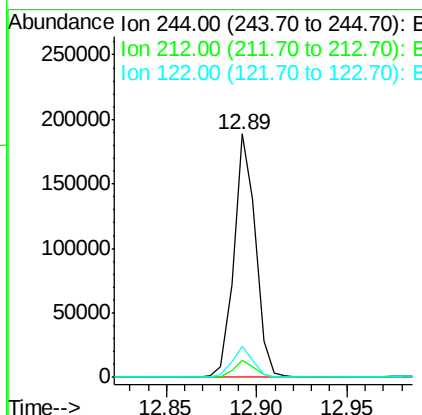
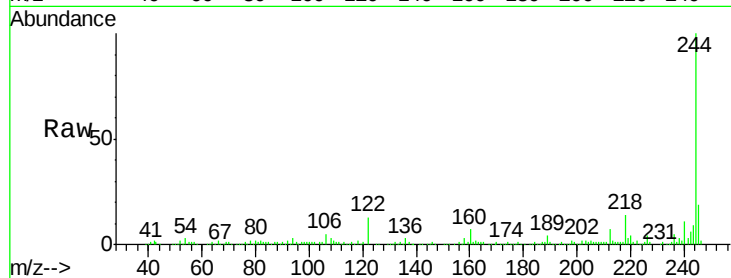
#78
 Terphenyl-d14
 Concen: 11.992 ng
 RT: 12.89 min Scan# 1837
 Delta R.T. -0.01 min
 Lab File: BF101653.D
 Acq: 22 Dec 2017 15:10

Instrument :
 BNA_F
 ClientSampleId :
 PL-01-121917-ADL

Tgt Ion	Ratio	Lower	Upper
244	100		
212	6.8	5.4	8.0
122	12.7	11.0	16.4

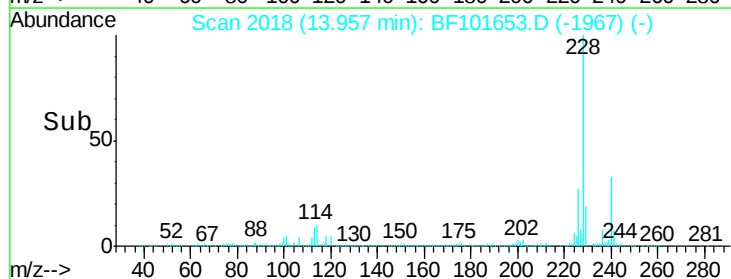
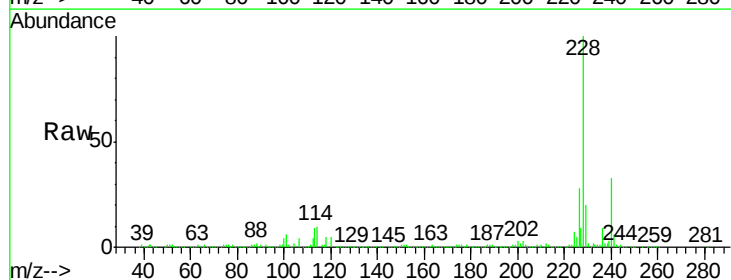
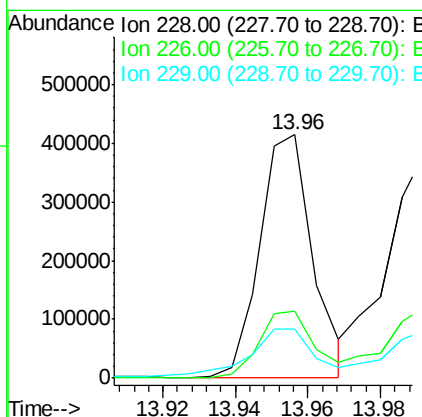
Manual Integrations
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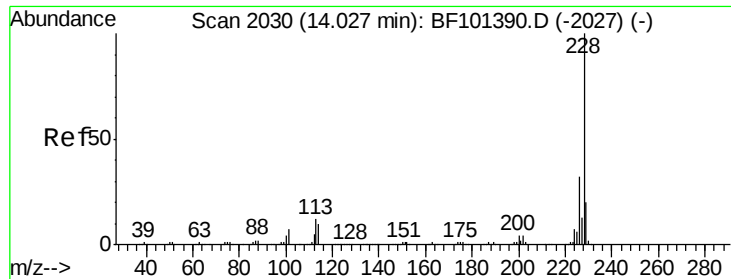
Sohil
 12/26/2017 1:37:15 PM



#80
 Benzo(a)anthracene
 Concen: 20.211 ng
 RT: 13.96 min Scan# 2018
 Delta R.T. -0.00 min
 Lab File: BF101653.D
 Acq: 22 Dec 2017 15:10

Tgt Ion	Ratio	Lower	Upper
228	100		
226	27.7	22.6	33.8
229	19.9	15.8	23.6





#82

Chrysene

Concen: 20.276 ng

RT: 13.99 min Scan# 2024

Delta R.T. -0.01 min

Lab File: BF101653.D

Acq: 22 Dec 2017 15:10

Instrument :

BNA_F

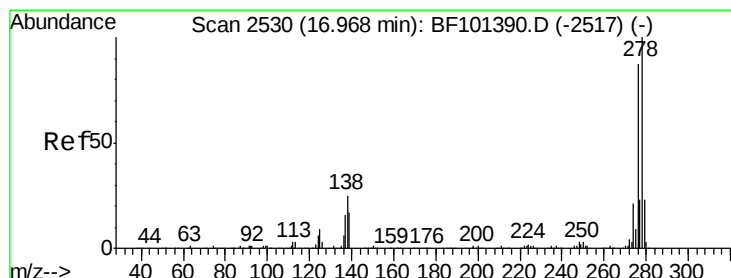
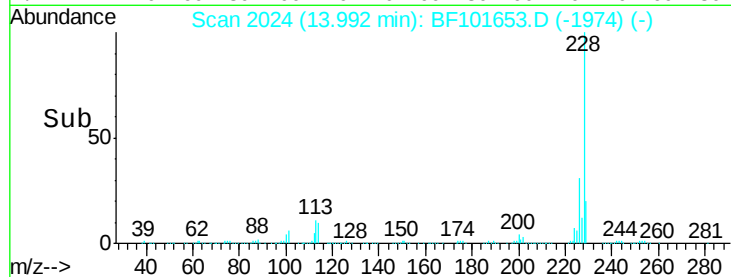
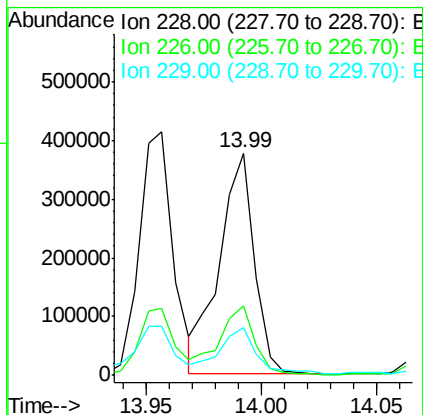
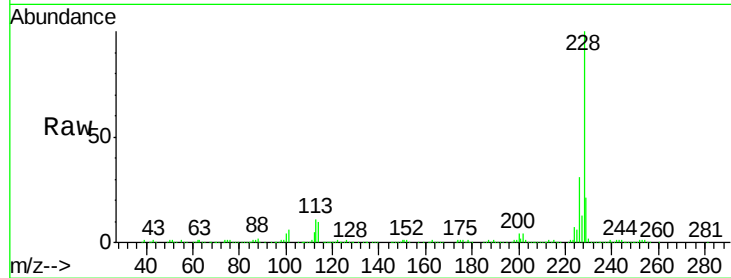
ClientSampleId :

PL-01-121917-ADL

Tgt Ion:	228	Resp:	396693
Ion Ratio	Lower	Upper	
228	100		
226	31.3	25.0	37.6
229	21.3	16.2	24.4

Manual Integrations
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Sohil
12/26/2017 1:37:15 PM



#85

Indeno(1,2,3-cd)pyrene

Concen: 13.084 ng

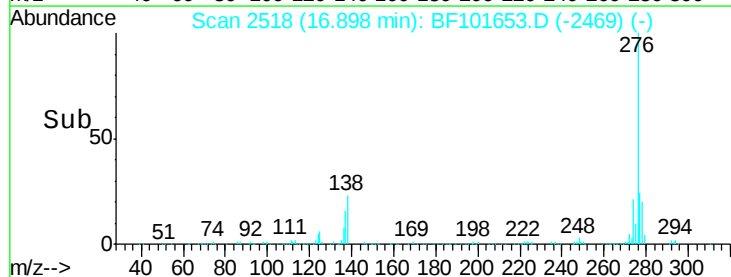
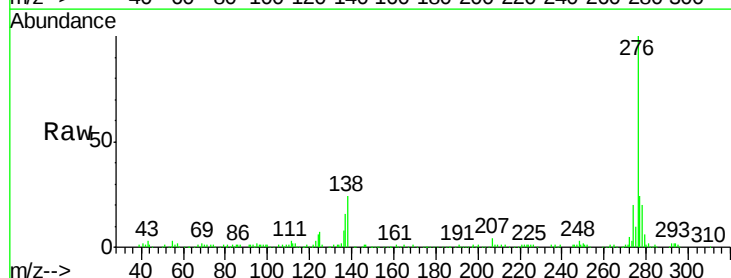
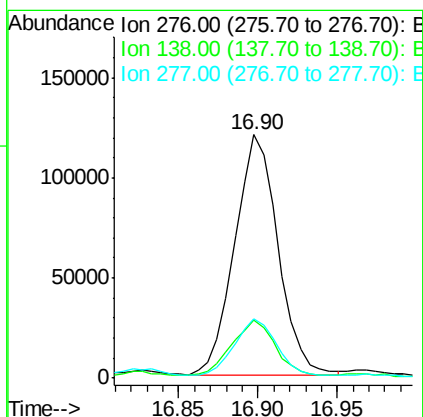
RT: 16.90 min Scan# 2518

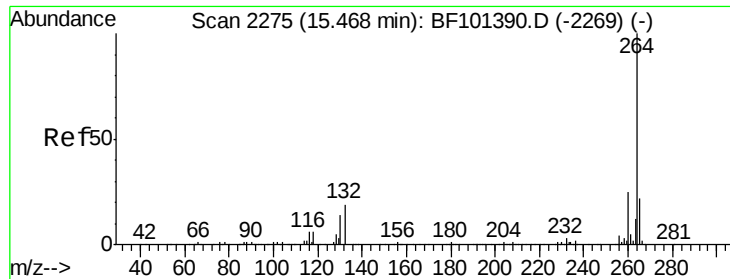
Delta R.T. -0.01 min

Lab File: BF101653.D

Acq: 22 Dec 2017 15:10

Tgt Ion:	276	Resp:	227946
Ion Ratio	Lower	Upper	
276	100		
138	24.1	25.0	37.6#
277	23.6	20.1	30.1





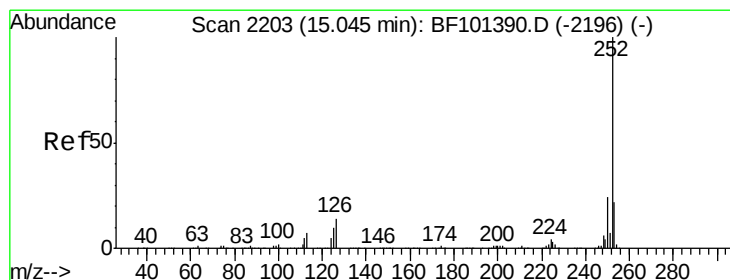
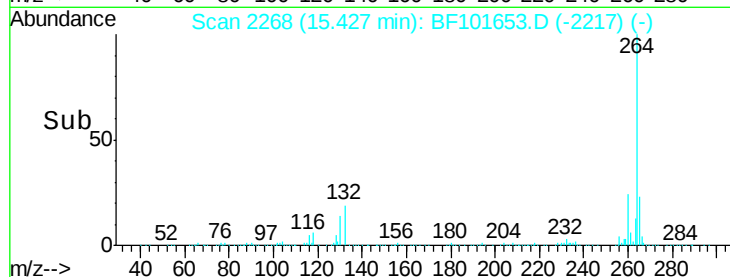
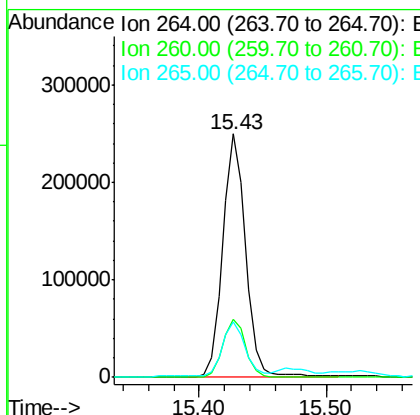
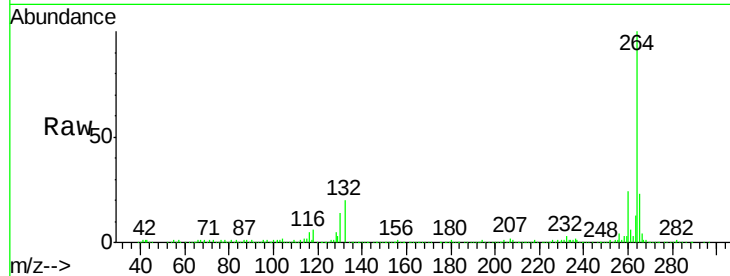
#86
Perylene-d12
Concen: 20.000 ng
RT: 15.43 min Scan# 2268
Delta R.T. 0.00 min
Lab File: BF101653.D
Acq: 22 Dec 2017 15:10

Instrument :
BNA_F
ClientSampleId :
PL-01-121917-ADL

Tgt Ion	Ratio	Lower	Upper
264	100		
260	24.0	19.2	28.8
265	22.8	17.5	26.3

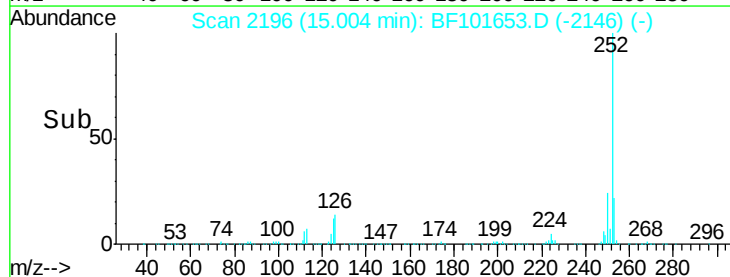
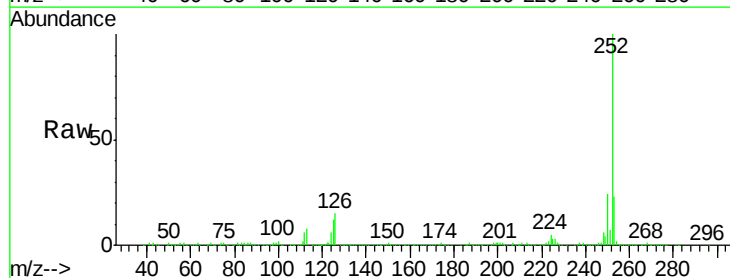
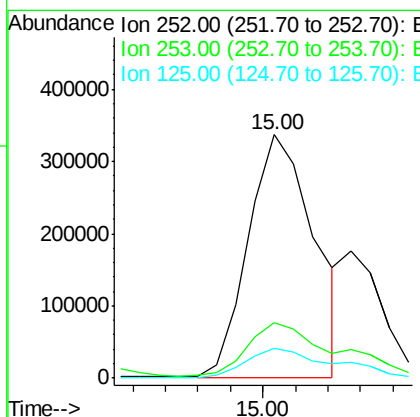
Manual Integrations
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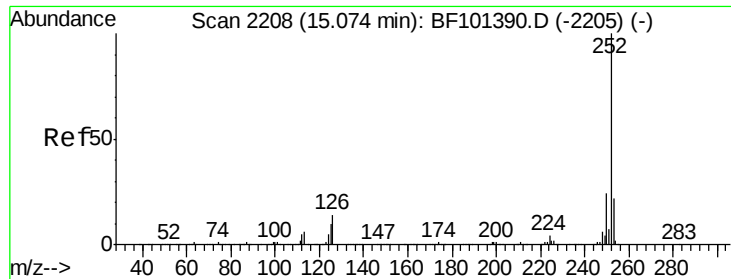
Sohil
12/26/2017 1:37:15 PM



#87
Benzo(b)fluoranthene
Concen: 25.232 ng m
RT: 15.00 min Scan# 2196
Delta R.T. -0.01 min
Lab File: BF101653.D
Acq: 22 Dec 2017 15:10

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.6	17.0	25.6
125	12.2	9.0	13.6





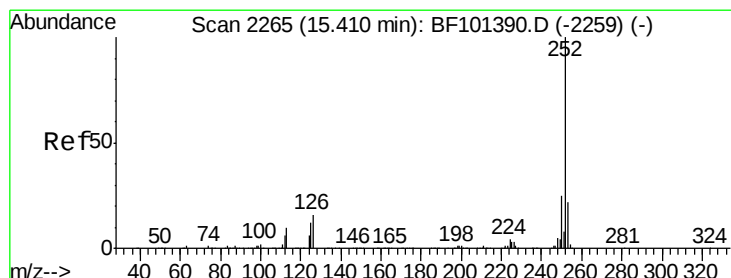
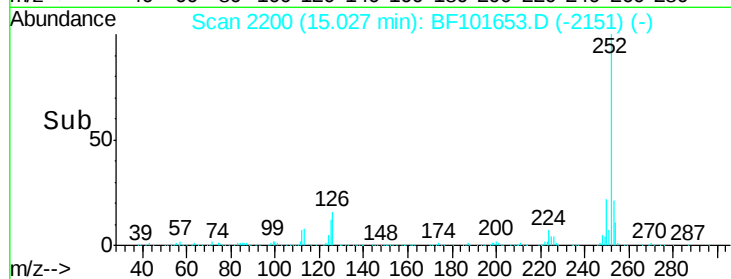
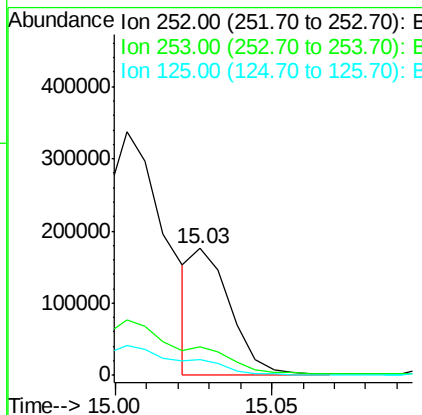
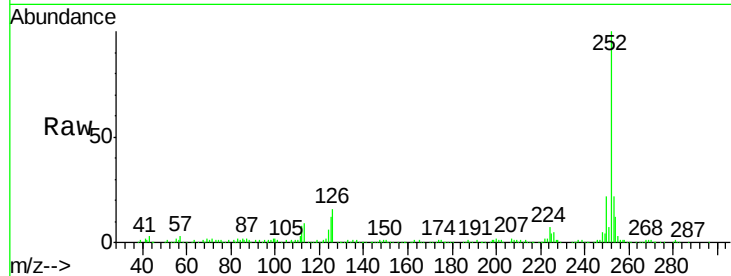
#88
Benzo(k)fluoranthene
Concen: 8.309 ng m
RT: 15.03 min Scan# 2200
Delta R.T. -0.01 min
Lab File: BF101653.D
Acq: 22 Dec 2017 15:10

Instrument :
BNA_F
ClientSampleId :
PL-01-121917-ADL

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.2	17.9	26.9
125	12.0	10.2	15.2

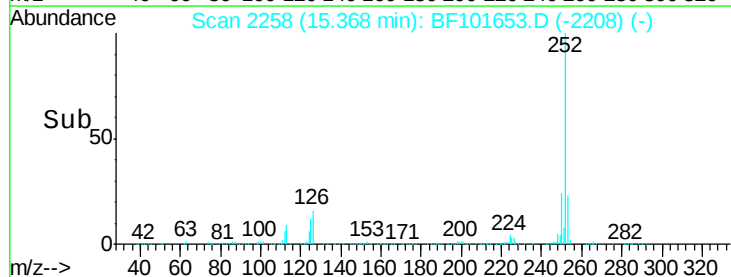
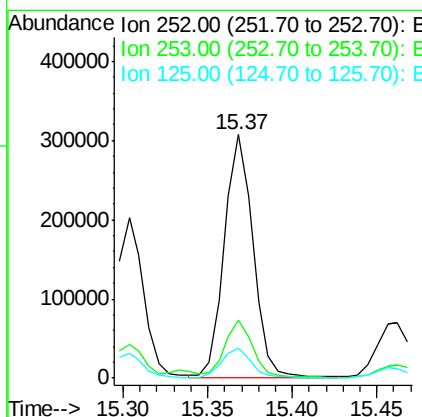
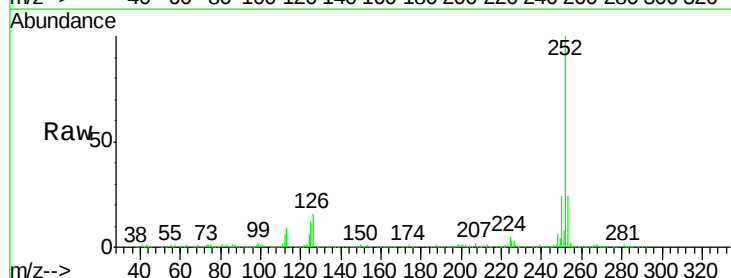
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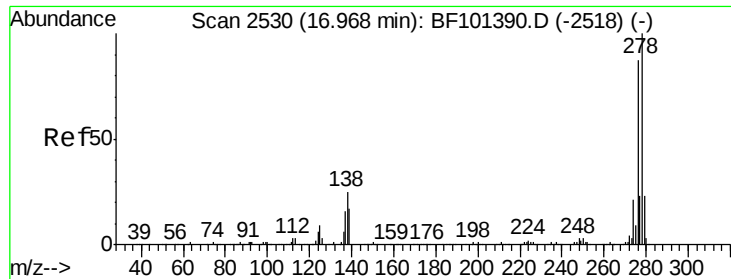
Sohil
12/26/2017 1:37:15 PM



#89
Benzo(a)pyrene
Concen: 20.693 ng
RT: 15.37 min Scan# 2258
Delta R.T. -0.01 min
Lab File: BF101653.D
Acq: 22 Dec 2017 15:10

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.7	17.1	25.7
125	12.3	9.8	14.6





#90

Dibenzo(a,h)anthracene

Concen: 3.539 ng m

RT: 16.90 min Scan# 2518

Delta R.T. -0.01 min

Lab File: BF101653.D

Acq: 22 Dec 2017 15:10

Instrument :

BNA_F

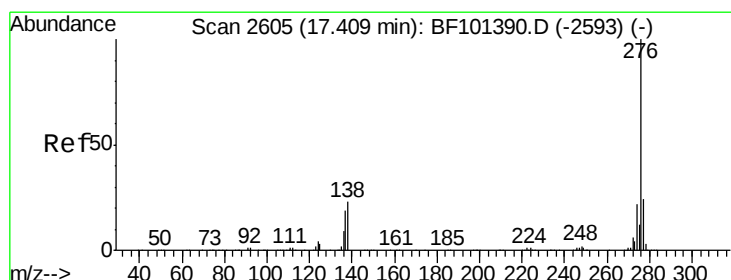
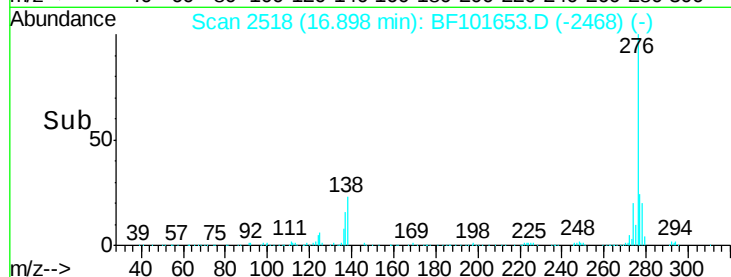
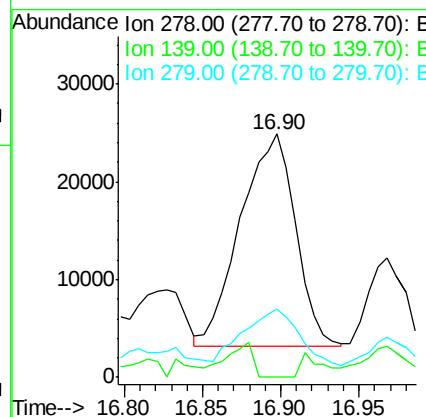
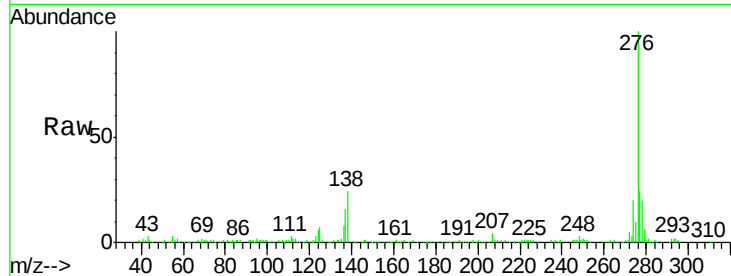
ClientSampleId :

PL-01-121917-ADL

Tgt Ion:	278	Resp:	52856
Ion Ratio	Lower	Upper	
278	100		
139	0.0	15.9	23.9#
279	28.2	19.0	28.4

Manual Integrations
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12/26/2017 1:37:15 PM



#91

Benzo(g,h,i)perylene

Concen: 15.124 ng

RT: 17.34 min Scan# 2594

Delta R.T. -0.00 min

Lab File: BF101653.D

Acq: 22 Dec 2017 15:10

Tgt Ion:	276	Resp:	223681
Ion Ratio	Lower	Upper	
276	100		
277	24.5	17.9	26.9
138	24.3	21.8	32.8

