

Data Path : U:\HPCHEM1\BNA F\DATA\BF011618\
 Data File : BF102124.D
 Acq On : 16 Jan 2018 21:56
 Operator : SJ/JU
 Sample : J1014-01 5X
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 HD-01-011518

Manual Integrations
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Sohil
 1/17/2018 10:41:58 AM

Quant Time: Jan 17 03:20:30 2018
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF010918.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Jan 11 12:53:54 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.72	152	140770	20.00	ng	-0.01
21) Naphthalene-d8	8.00	136	544724	20.00	ng	0.00
38) Acenaphthene-d10	9.75	164	233698	20.00	ng	-0.01
63) Phenanthrene-d10	11.23	188	347878	20.00	ng	-0.01
75) Chrysene-d12	13.86	240	244081	20.00	ng	-0.02
86) Perylene-d12	15.28	264	259588	20.00	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.32	112	54395	5.46	ng	-0.01
7) Phenol-d6	6.35	99	65726	5.53	ng	-0.02
23) Nitrobenzene-d5	7.27	82	40334	4.35	ng	-0.02
41) 2,4,6-Tribromophenol	10.54	330	12035	5.90	ng	-0.01
44) 2-Fluorobiphenyl	9.07	172	76725	5.13	ng	-0.02
78) Terphenyl-d14	12.82	244	47844	4.07	ng	-0.02
Target Compounds						
74) Fluoranthene	12.44	202	66875	3.345	ng	Qvalue 95
77) Pyrene	12.67	202	65238	3.024	ng	98
80) Benzo(a)anthracene	13.86	228	35237	2.263	ng	95
82) Chrysene	13.89	228	34076	2.098	ng	94
87) Benzo(b)fluoranthene	14.87	252	46004m	2.718	ng	
89) Benzo(a)pyrene	15.22	252	33789	2.218	ng	# 96

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

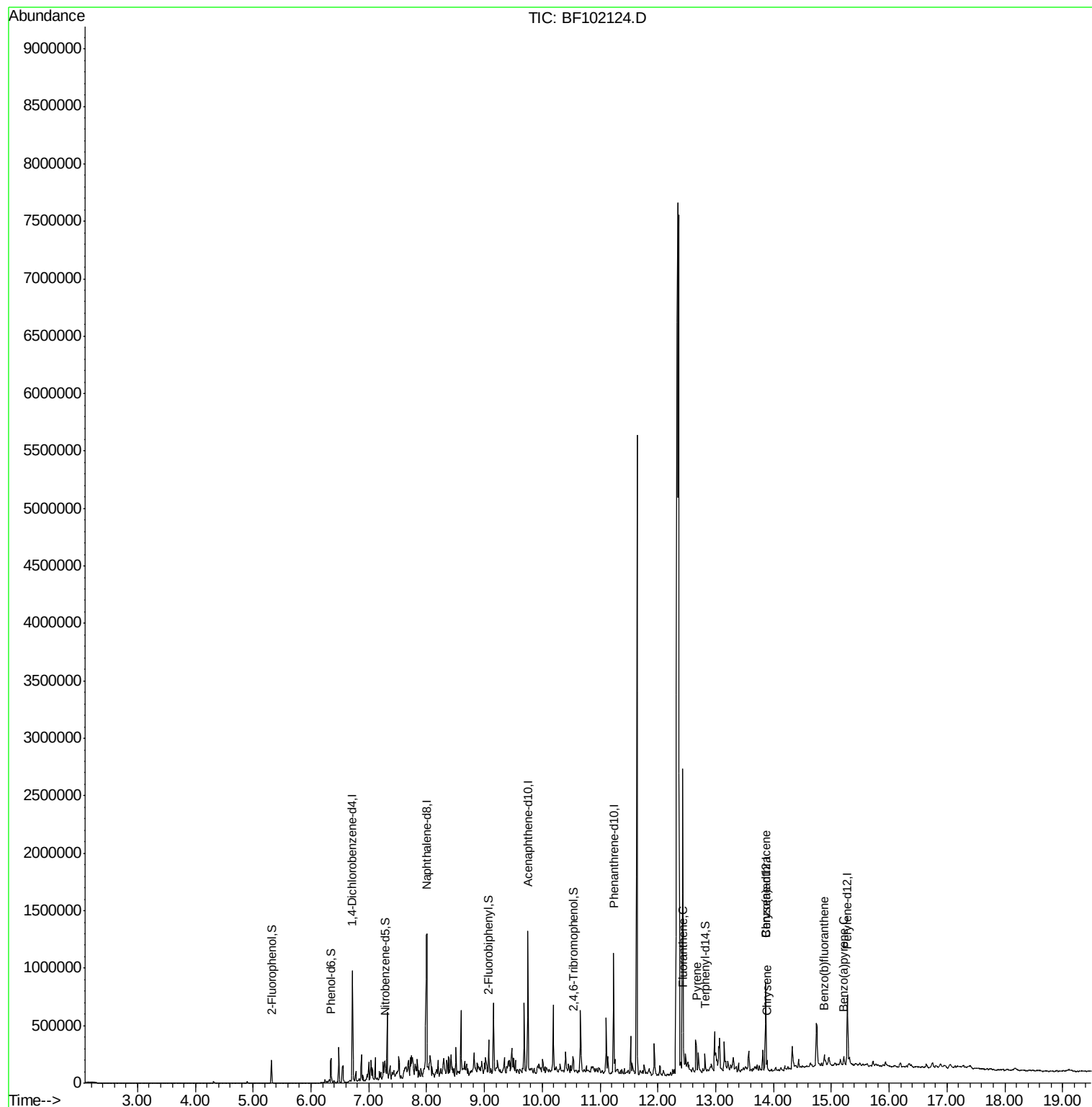
Data Path : U:\HPCHEM1\BNA F\DATA\BF011618\
Data File : BF102124.D
Acq On : 16 Jan 2018 21:56
Operator : SJ/JU
Sample : J1014-01 5X
Misc :
ALS Vial : 13 Sample Multiplier: 1

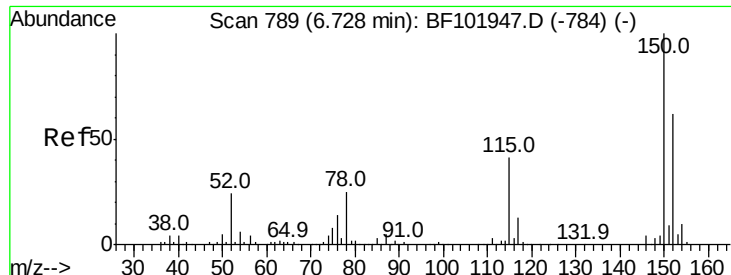
Instrument :
BNA_F
ClientSampleId :
HD-01-011518

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1/17/2018 10:41:58 AM

Quant Time: Jan 17 03:20:30 2018
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF010918.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Jan 11 12:53:54 2018
Response via : Initial Calibration





#1

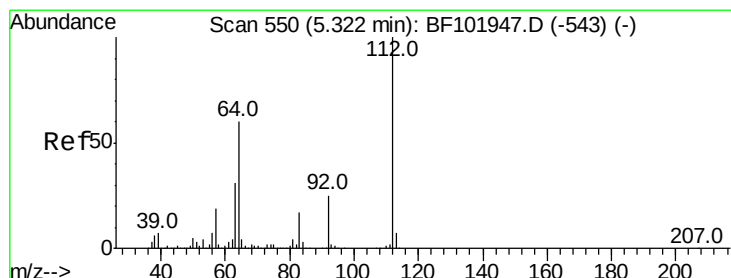
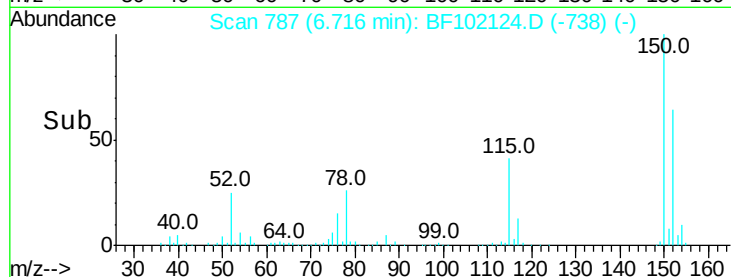
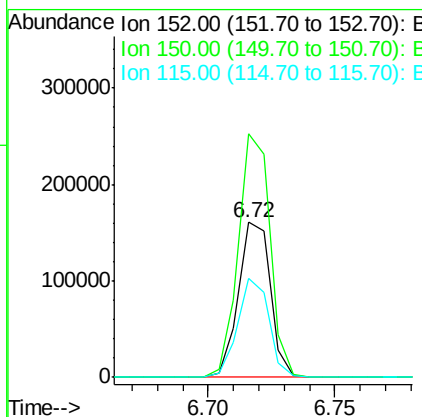
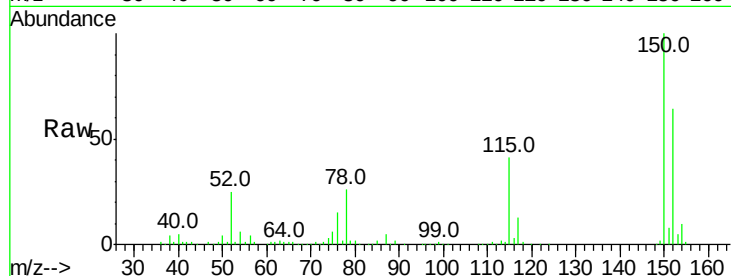
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.72 min Scan# 787
Delta R.T. -0.01 min
Lab File: BF102124.D
Acq: 16 Jan 2018 21:56

Instrument :
BNA_F
ClientSampleId :
HD-01-011518

Tot Ion	Ratio	Lower	Upper
152	100		
150	157.2	124.6	186.8
115	64.3	50.1	75.1

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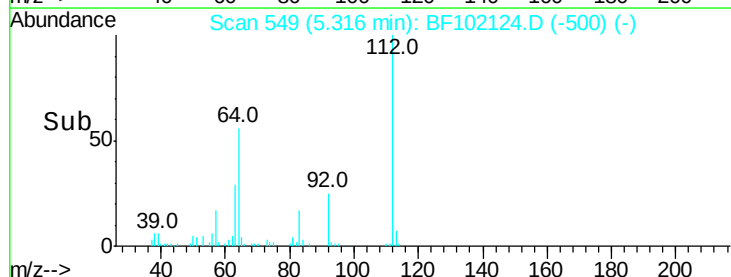
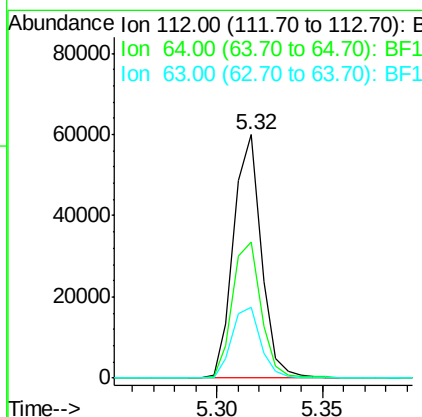
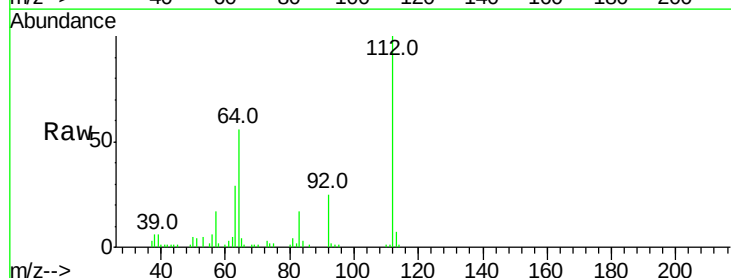
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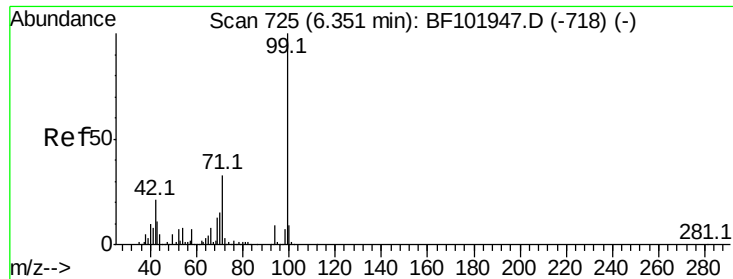


#5

2-Fluorophenol
Concen: 5.456 ng
RT: 5.32 min Scan# 549
Delta R.T. -0.01 min
Lab File: BF102124.D
Acq: 16 Jan 2018 21:56

Tgt Ion	Ratio	Lower	Upper
112	100		
64	55.9	47.9	71.9
63	29.2	23.7	35.5





#7

Phenol-d6

Concen: 5.526 ng

RT: 6.35 min Scan# 724

Delta R.T. -0.02 min

Lab File: BF102124.D

Acq: 16 Jan 2018 21:56

Instrument :

BNA_F

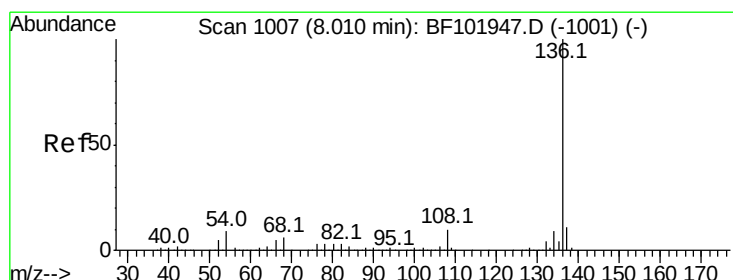
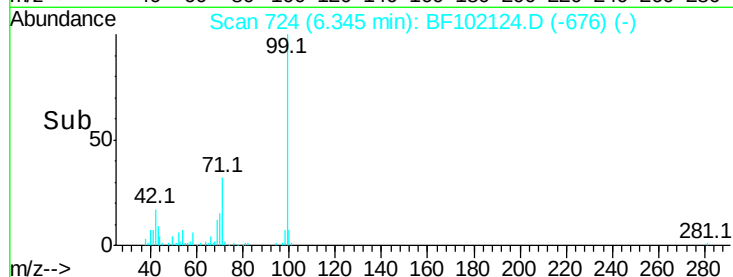
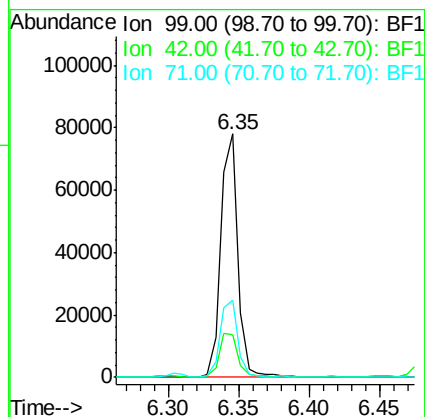
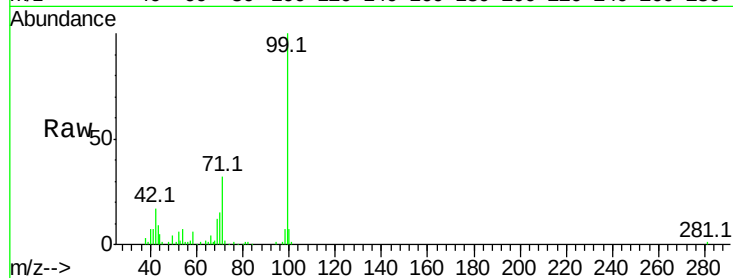
ClientSampled :

HD-01-011518

Tot Ion	Ion	Ratio	Resp	Lower	Upper
99	100		65726		
42	17.4	14.5	21.7		
71	31.6	25.4	38.0		

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#21

Naphthalene-d8

Concen: 20.000 ng

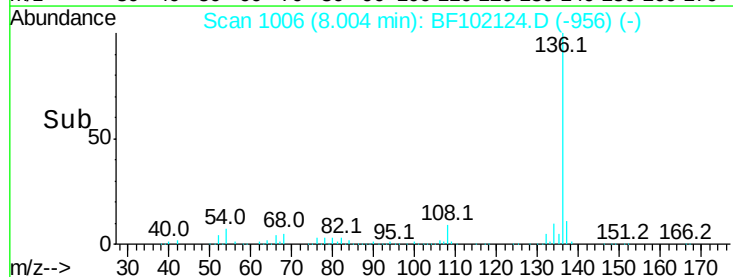
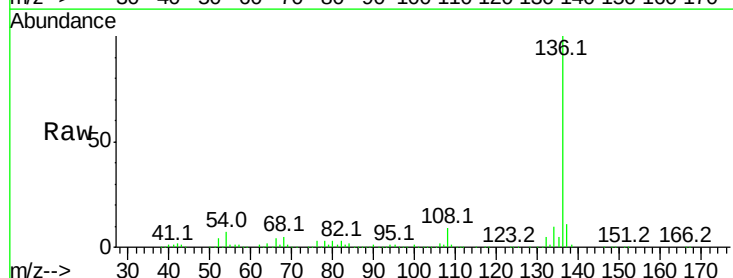
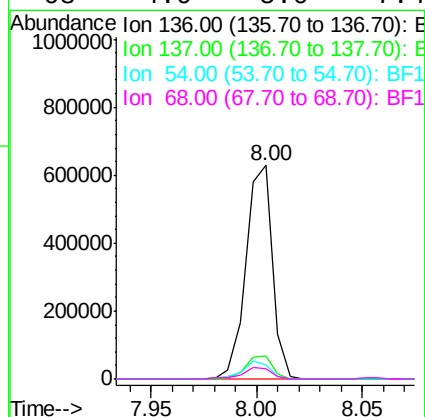
RT: 8.00 min Scan# 1006

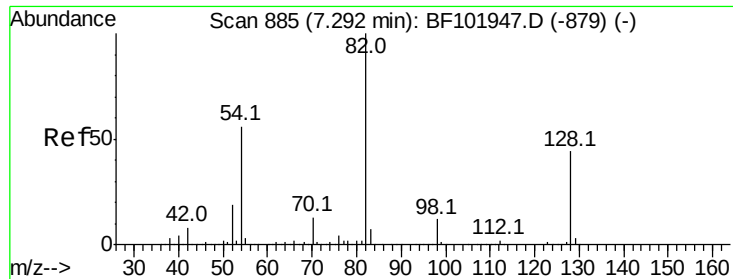
Delta R.T. -0.01 min

Lab File: BF102124.D

Acq: 16 Jan 2018 21:56

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
136	100		544724		
137	10.6	8.9	13.3		
54	6.9	6.6	9.8		
68	4.9	5.0	7.4#		





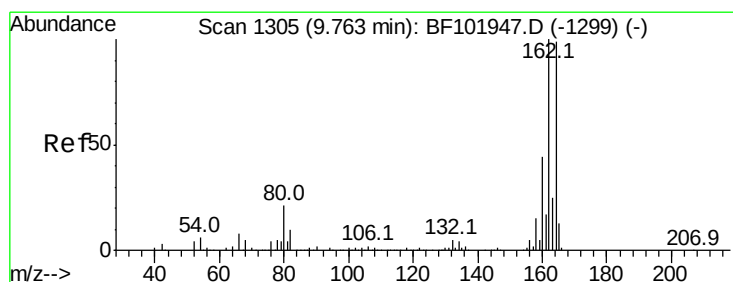
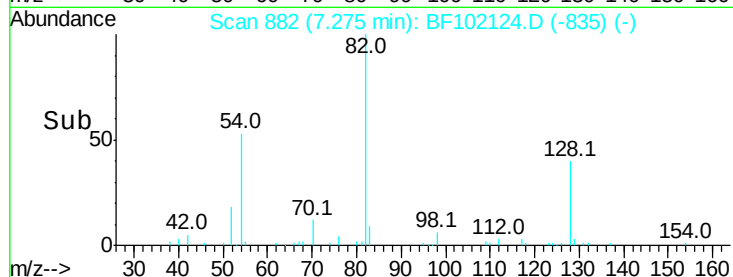
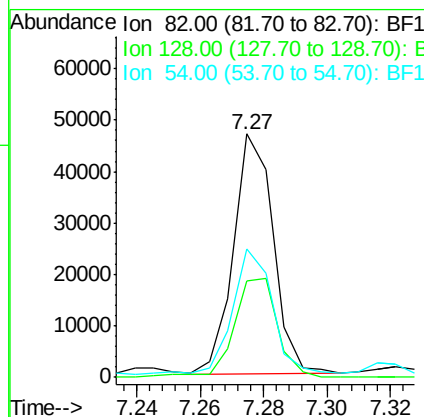
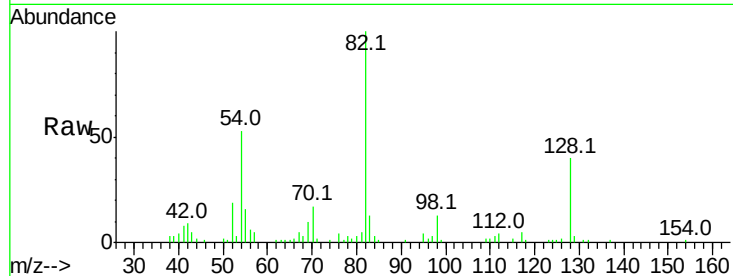
#23
Nitrobenzene-d5
Concen: 4.351 ng
RT: 7.27 min Scan# 882
Delta R.T. -0.02 min
Lab File: BF102124.D
Acq: 16 Jan 2018 21:56

Instrument :
BNA_F
ClientSampleId :
HD-01-011518

Tot Ion	Ratio	Lower	Upper
82	100		
128	39.7	36.1	54.1
54	53.0	41.4	62.2

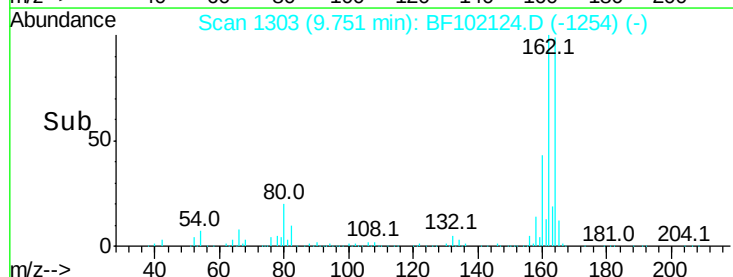
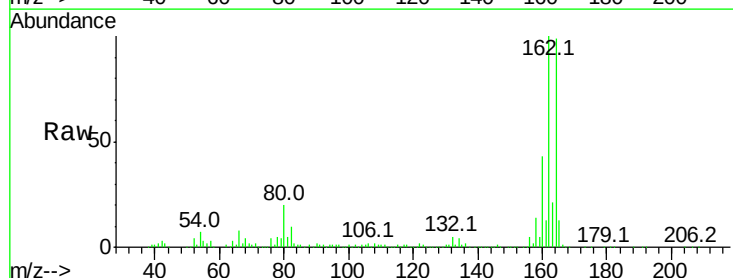
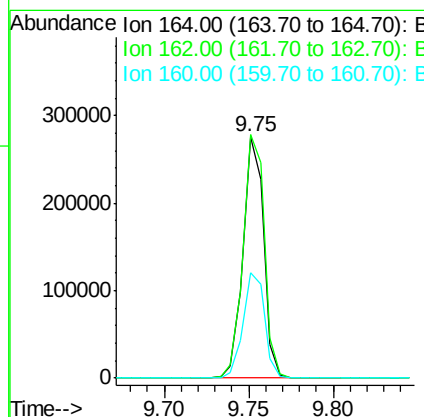
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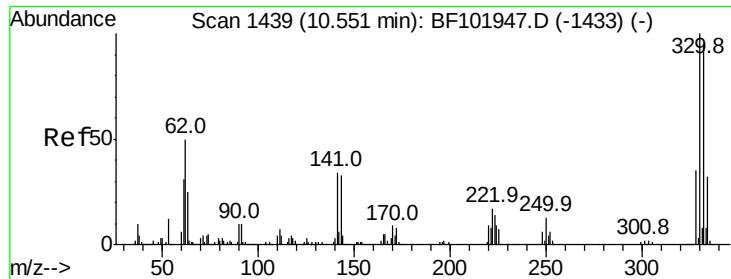
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#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.75 min Scan# 1303
Delta R.T. -0.01 min
Lab File: BF102124.D
Acq: 16 Jan 2018 21:56

Tgt Ion	Ratio	Lower	Upper
164	100		
162	100.9	86.1	129.1
160	43.5	38.3	57.5





#41

2,4,6-Tribromophenol

Concen: 5.901 ng

RT: 10.54 min Scan# 1437

Delta R.T. -0.01 min

Lab File: BF102124.D

Acq: 16 Jan 2018 21:56

Instrument :

BNA_F

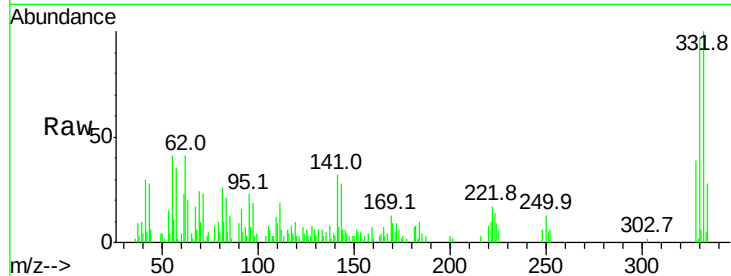
ClientSampleId :

HD-01-011518

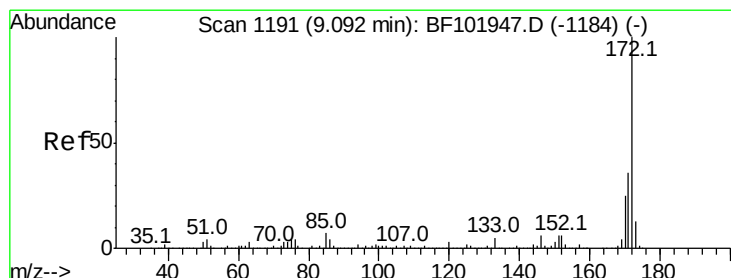
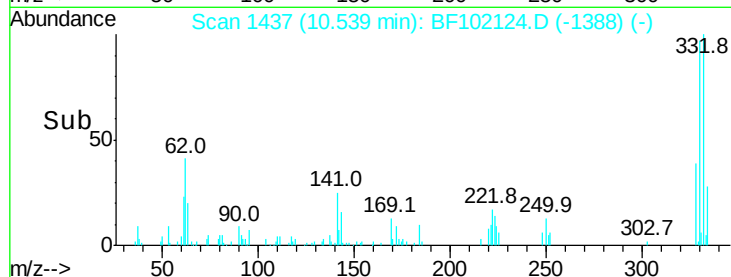
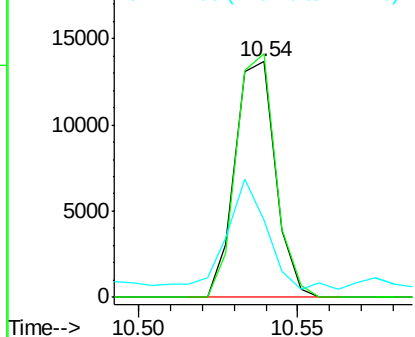
Tot Ion:	330	Resp:	12035
Ion Ratio	Lower	Upper	
330	100		
332	101.2	77.0	115.6
141	46.7	29.9	44.9#

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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: 5.129 ng

RT: 9.07 min Scan# 1188

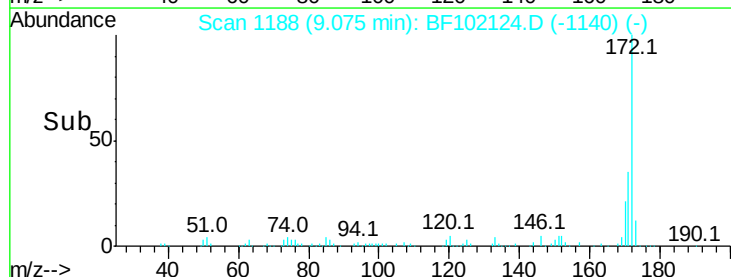
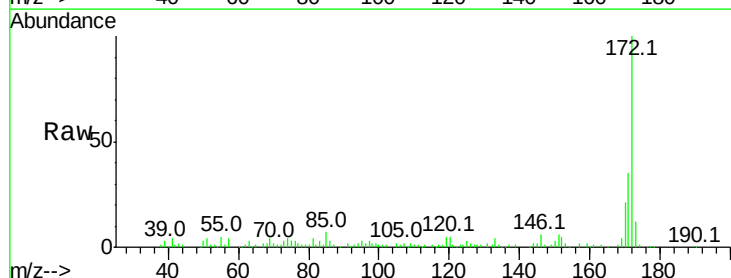
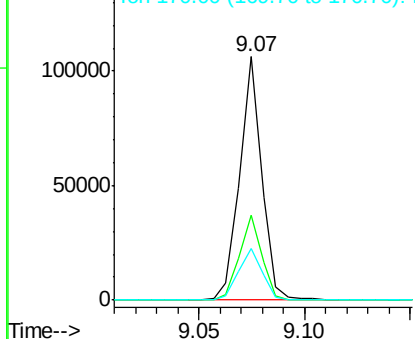
Delta R.T. -0.02 min

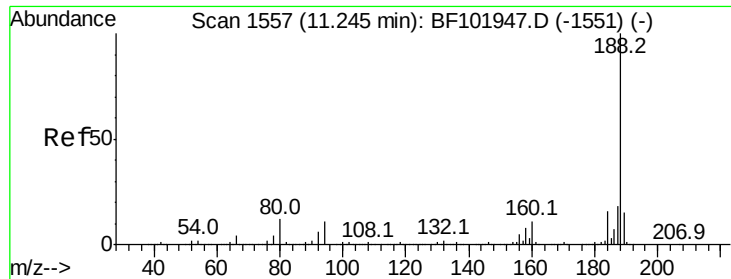
Lab File: BF102124.D

Acq: 16 Jan 2018 21:56

Tgt Ion:	172	Resp:	76725
Ion Ratio	Lower	Upper	
172	100		
171	34.7	29.7	44.5
170	21.3	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





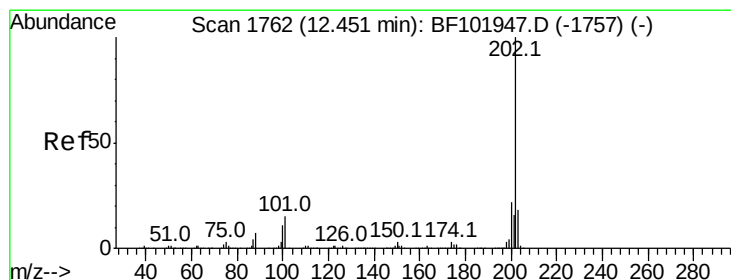
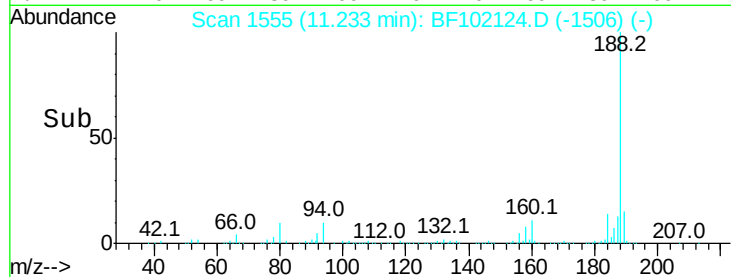
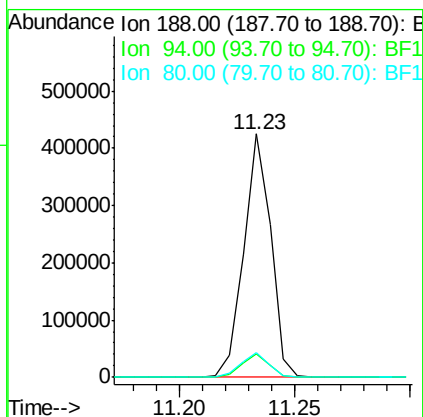
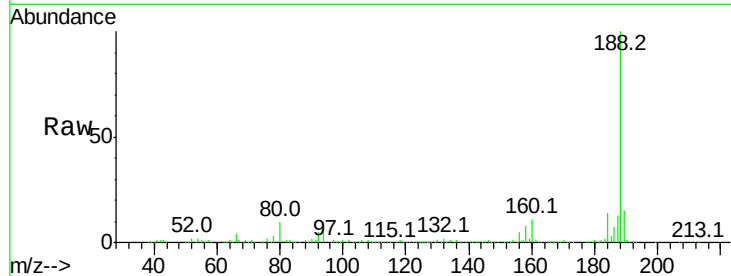
#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.23 min Scan# 1555
Delta R.T. -0.01 min
Lab File: BF102124.D
Acq: 16 Jan 2018 21:56

Instrument :
BNA_F
ClientSampleId :
HD-01-011518

Tot Ion	Ratio	Resp Lower	Upper
188	100		
94	9.8	8.5	12.7
80	10.4	9.2	13.8

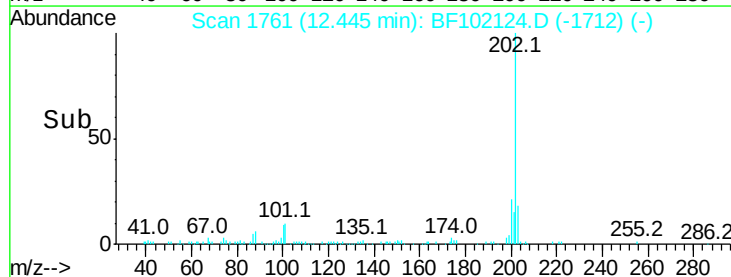
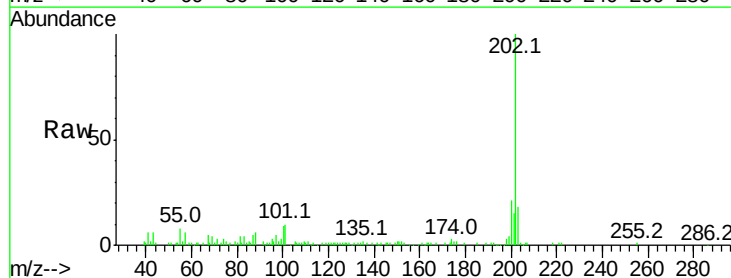
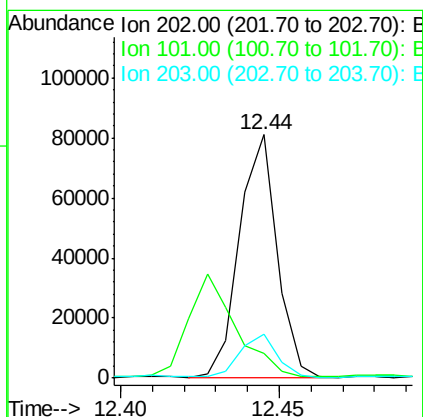
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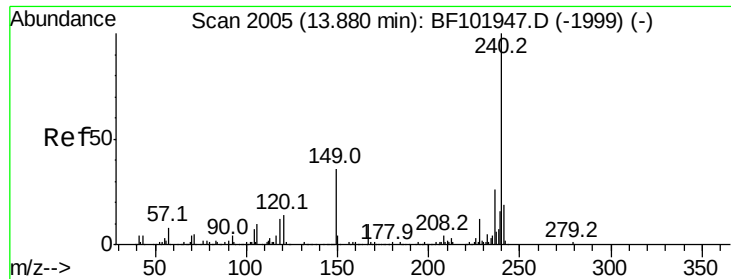
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#74
Fluoranthene
Concen: 3.345 ng
RT: 12.44 min Scan# 1761
Delta R.T. -0.01 min
Lab File: BF102124.D
Acq: 16 Jan 2018 21:56

Tgt Ion	Ratio	Resp Lower	Upper
202	100		
101	10.1	0.0	34.1
203	18.3	0.0	38.1





#75

Chrysene-d12

Concen: 20.000 ng

RT: 13.86 min Scan# 2002

Delta R.T. -0.02 min

Lab File: BF102124.D

Acq: 16 Jan 2018 21:56

Instrument :

BNA_F

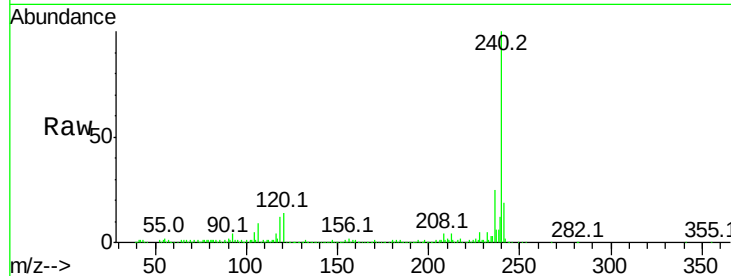
ClientSampleId :

HD-01-011518

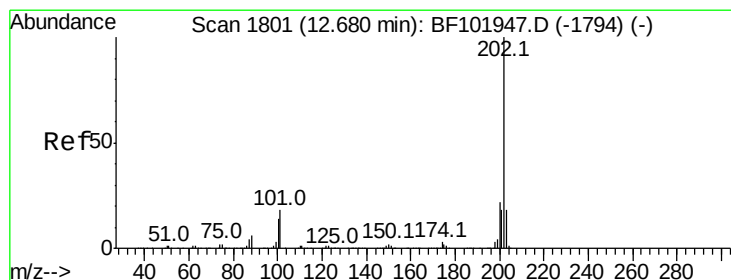
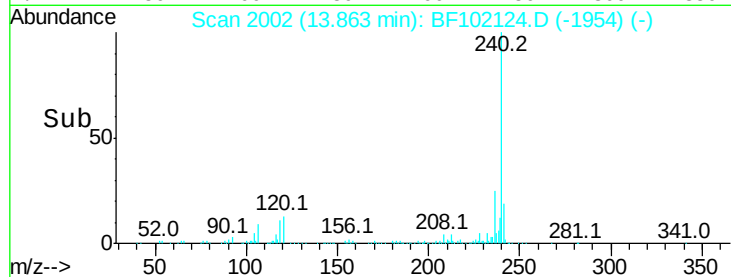
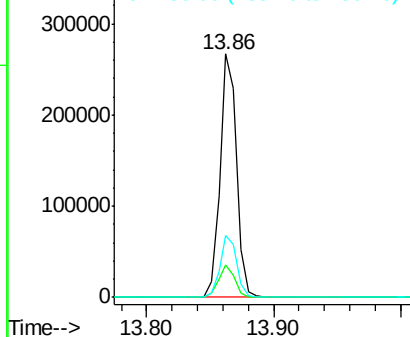
Tot Ion:	240	Resp:	244081
Ion Ratio	Lower	Upper	
240	100		
120	13.6	9.5	14.3
236	25.3	20.7	31.1

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Abundance Ion 240.00 (239.70 to 240.70): E
Ion 120.00 (119.70 to 120.70): E
Ion 236.00 (235.70 to 236.70): E



#77

Pyrene

Concen: 3.024 ng

RT: 12.67 min Scan# 1800

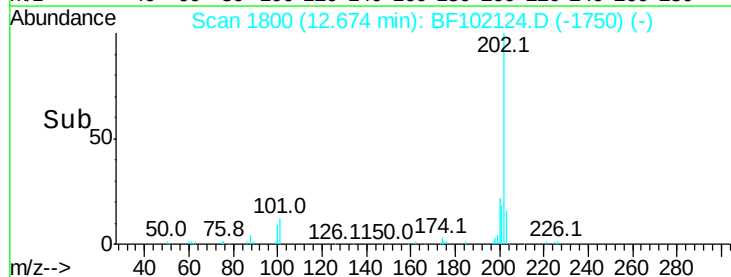
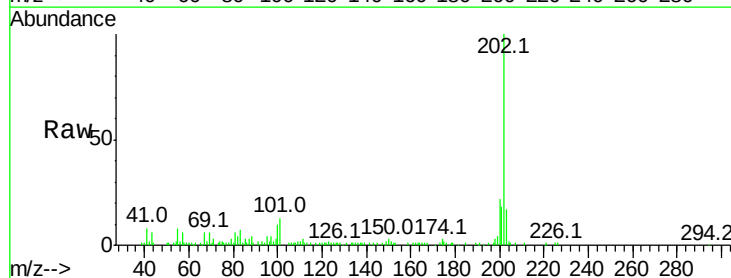
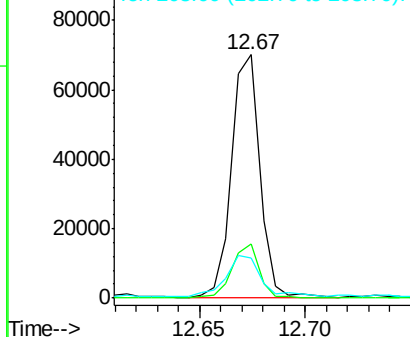
Delta R.T. -0.01 min

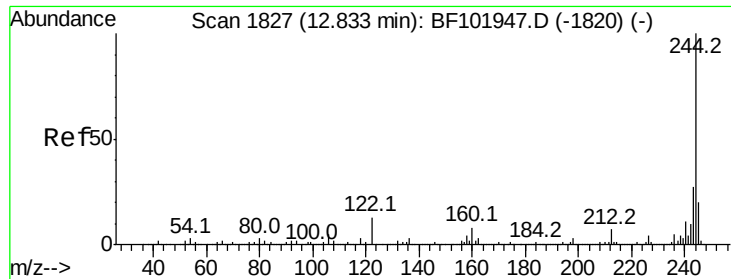
Lab File: BF102124.D

Acq: 16 Jan 2018 21:56

Tgt Ion:	202	Resp:	65238
Ion Ratio	Lower	Upper	
202	100		
200	22.3	17.4	26.2
203	16.6	14.3	21.5

Abundance Ion 202.00 (201.70 to 202.70): E
Ion 200.00 (199.70 to 200.70): E
Ion 203.00 (202.70 to 203.70): E





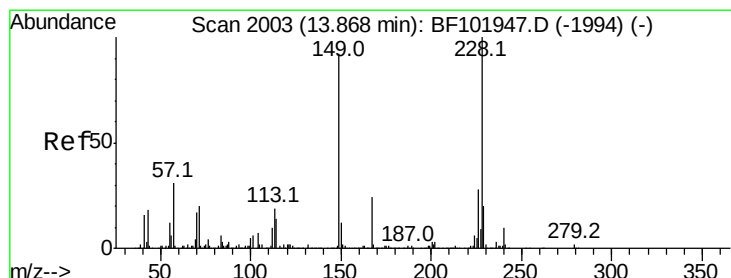
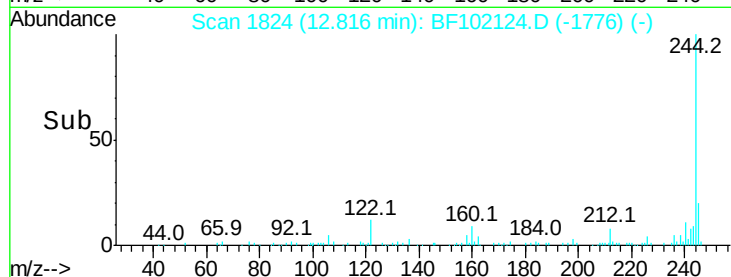
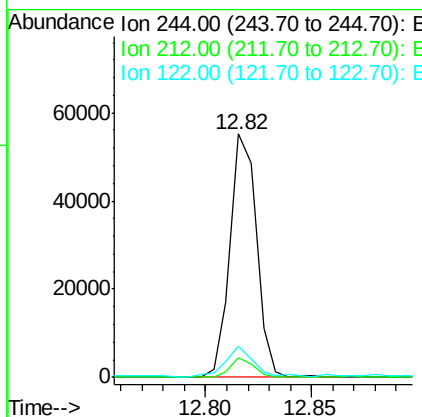
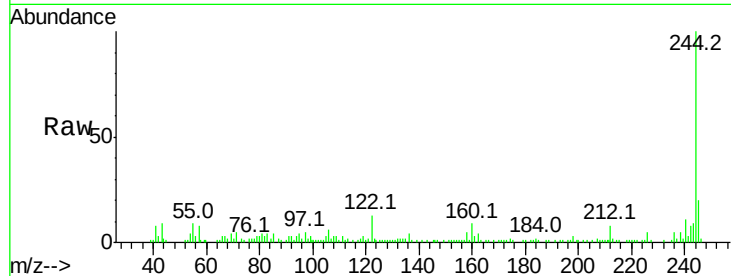
#78
 Terphenyl-d14
 Concen: 4.070 ng
 RT: 12.82 min Scan# 1824
 Delta R.T. -0.02 min
 Lab File: BF102124.D
 Acq: 16 Jan 2018 21:56

Instrument :
 BNA_F
 ClientSampleId :
 HD-01-011518

Tot Ion	Ratio	Lower	Upper
244	100		
212	8.2	5.4	8.0
122	12.8	11.0	16.4

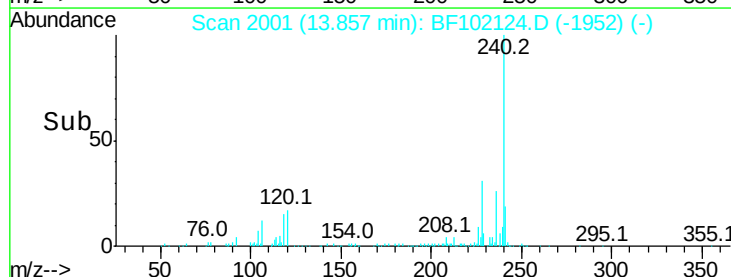
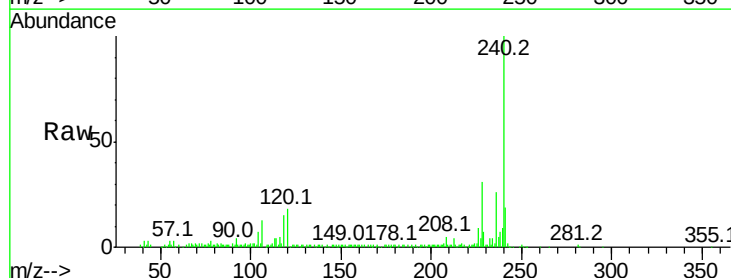
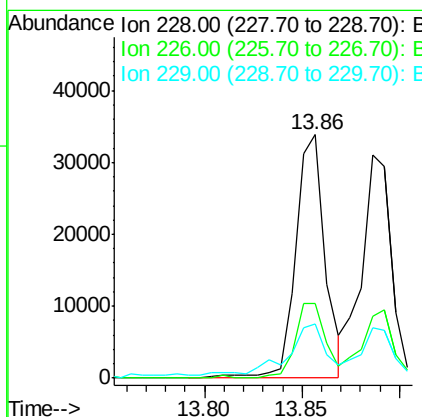
Manual Integrations
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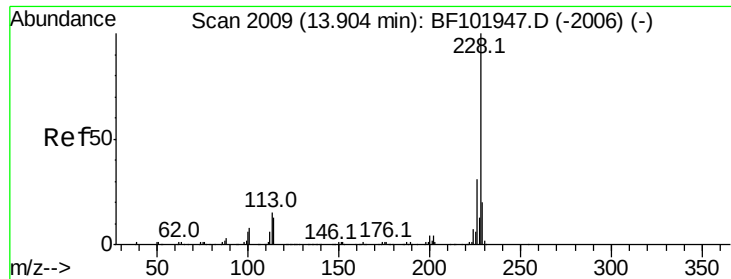
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#80
 Benzo(a)anthracene
 Concen: 2.263 ng
 RT: 13.86 min Scan# 2001
 Delta R.T. -0.01 min
 Lab File: BF102124.D
 Acq: 16 Jan 2018 21:56

Tgt Ion	Ratio	Lower	Upper
228	100		
226	30.9	22.6	33.8
229	22.3	15.8	23.6





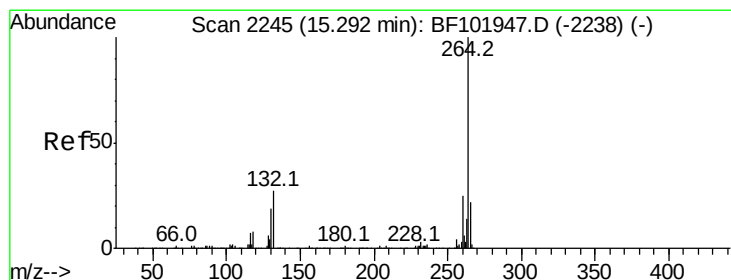
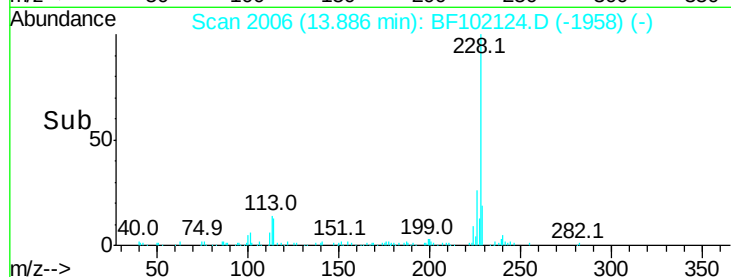
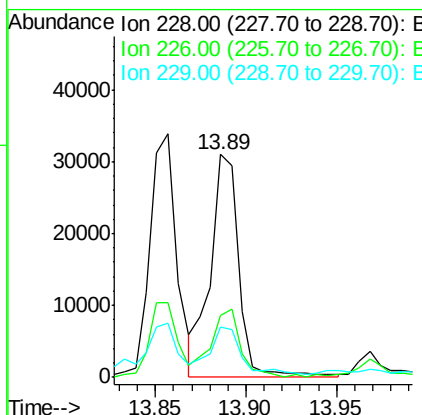
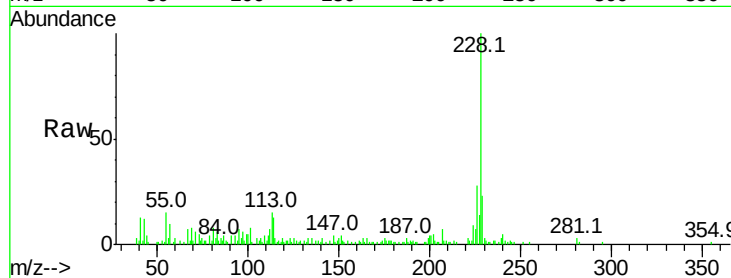
#82
Chrysene
Concen: 2.098 ng
RT: 13.89 min Scan# 2006
Delta R.T. -0.02 min
Lab File: BF102124.D
Acq: 16 Jan 2018 21:56

Instrument :
BNA_F
ClientSampleId :
HD-01-011518

Tot Ion:	228	Resp:	34076
Ion Ratio	Lower	Upper	
228	100		
226	28.0	25.0	37.6
229	22.9	16.2	24.4

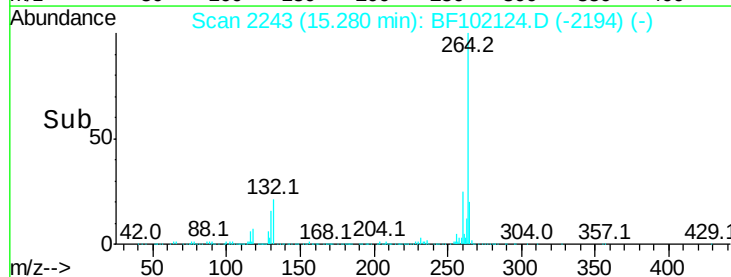
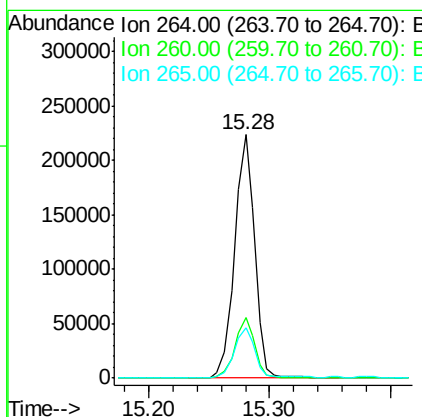
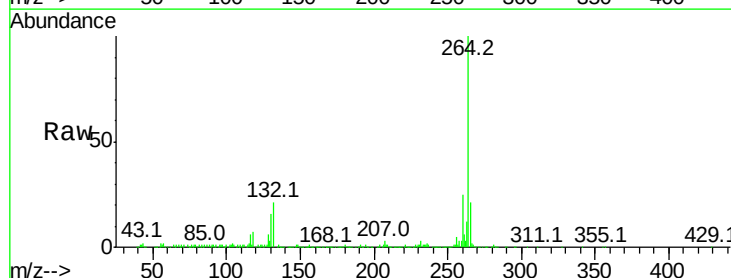
Manual Integrations
APPROVED

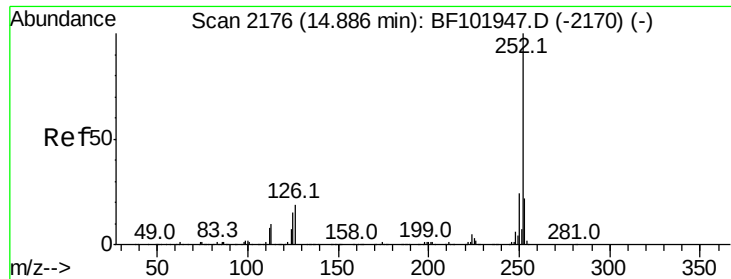
Sohil
1/17/2018 10:41:58 AM



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.28 min Scan# 2243
Delta R.T. -0.01 min
Lab File: BF102124.D
Acq: 16 Jan 2018 21:56

Tgt Ion:	264	Resp:	259588
Ion Ratio	Lower	Upper	
264	100		
260	24.7	19.2	28.8
265	20.7	17.5	26.3





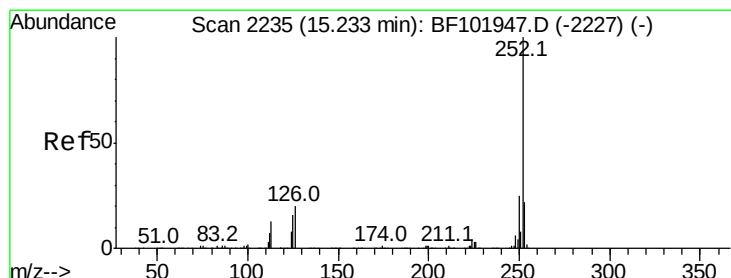
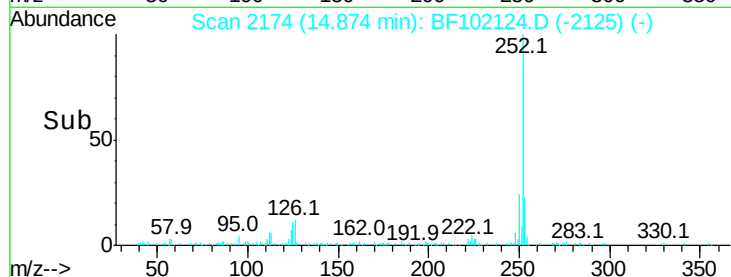
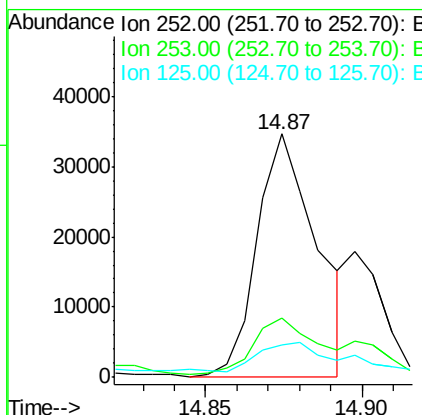
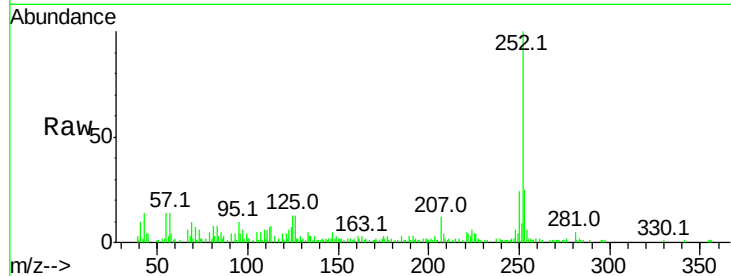
#87
Benzo(b)fluoranthene
Concen: 2.718 ng m
RT: 14.87 min Scan# 2174
Delta R.T. -0.01 min
Lab File: BF102124.D
Acq: 16 Jan 2018 21:56

Instrument :
BNA_F
ClientSampleId :
HD-01-011518

Tot Ion	Ratio	Lower	Upper
252	100		
253	24.5	17.0	25.6
125	13.2	9.0	13.6

Manual Integrations
APPROVED

Sohil
1/17/2018 10:41:58 AM



#89
Benzo(a)pyrene
Concen: 2.218 ng
RT: 15.22 min Scan# 2232
Delta R.T. -0.02 min
Lab File: BF102124.D
Acq: 16 Jan 2018 21:56

Tgt Ion	Ratio	Lower	Upper
252	100		
253	21.7	17.1	25.7
125	16.0	9.8	14.6

