

Data Path : U:\HPCHEM1\BNA F\DATA\BF011718\
 Data File : BF102148.D
 Acq On : 17 Jan 2018 13:09
 Operator : SJ/JU
 Sample : J1117-02 5X
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 UST-1 14.5-15.0

Manual Integrations
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Quant Time: Jan 17 15:39:26 2018
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF010918.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Jan 17 15:28:18 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.72	152	147702	20.00	ng	0.00
21) Naphthalene-d8	8.00	136	500588	20.00	ng	0.00
38) Acenaphthene-d10	9.76	164	232428	20.00	ng	0.00
63) Phenanthrene-d10	11.25	188	352089	20.00	ng	0.00
75) Chrysene-d12	13.87	240	236514	20.00	ng	0.00
86) Perylene-d12	15.30	264	234863	20.00	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.32	112	199170	19.04	ng	0.00
7) Phenol-d6	6.35	99	239936	19.23	ng	-0.01
23) Nitrobenzene-d5	7.28	82	148677	17.45	ng	-0.01
41) 2,4,6-Tribromophenol	10.55	330	41552	20.49	ng	0.00
44) 2-Fluorobiphenyl	9.08	172	250723	16.85	ng	0.00
78) Terphenyl-d14	12.83	244	161335	14.16	ng	0.00
Target Compounds						
37) 2-Methylnaphthalene	8.72	142	190693	11.580	ng	97
45) 1,1'-Biphenyl	9.19	154	142579	6.940	ng	98
57) Fluorene	10.31	166	73679	5.061	ng	# 79
70) Phenanthrene	11.27	178	260504	12.666	ng	97
77) Pyrene	12.68	202	93266	4.461	ng	# 93
82) Chrysene	13.90	228	39134	2.487	ng	# 70

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

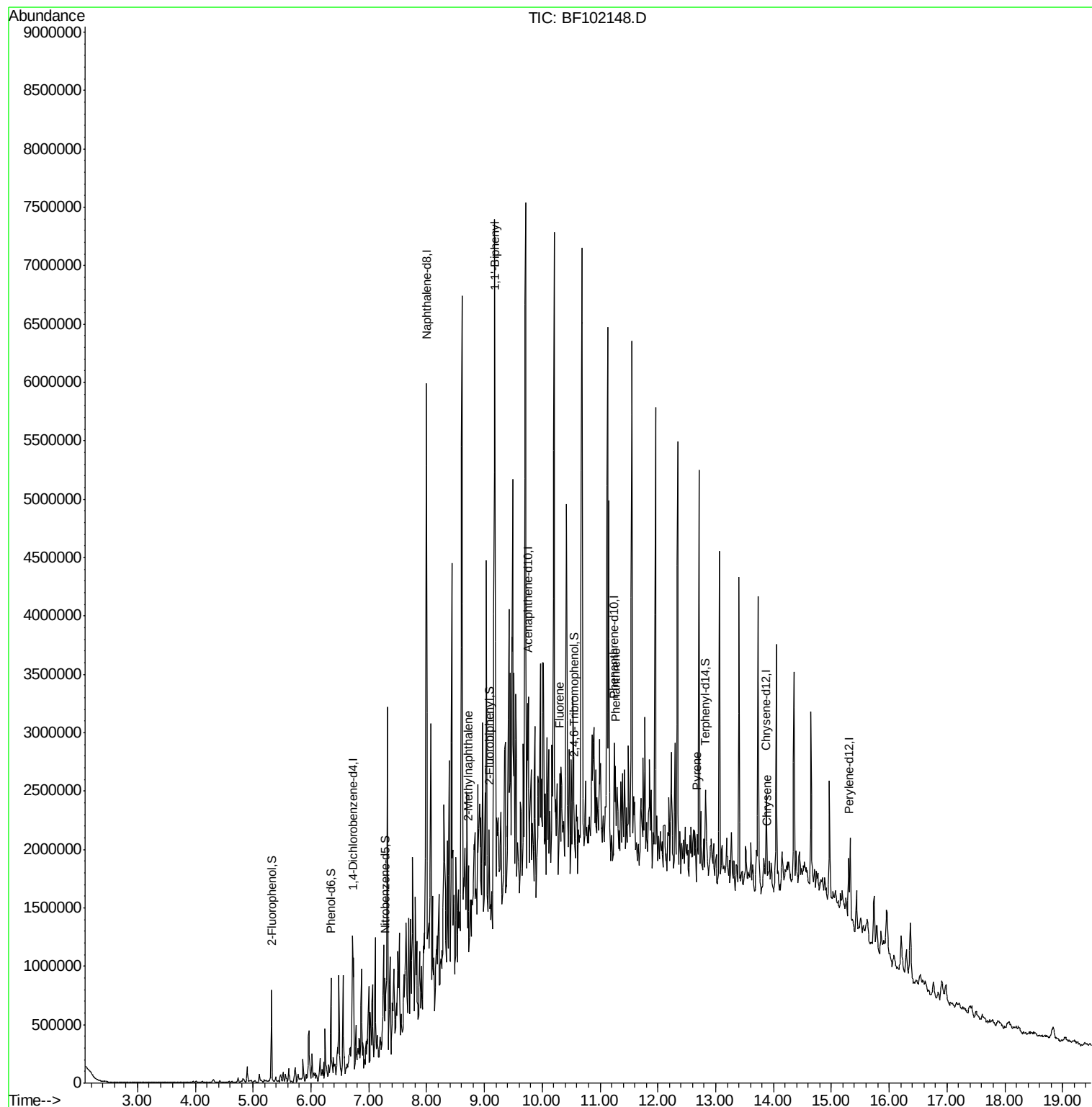
Data Path : U:\HPCHEM1\BNA F\DATA\BF011718\
Data File : BF102148.D
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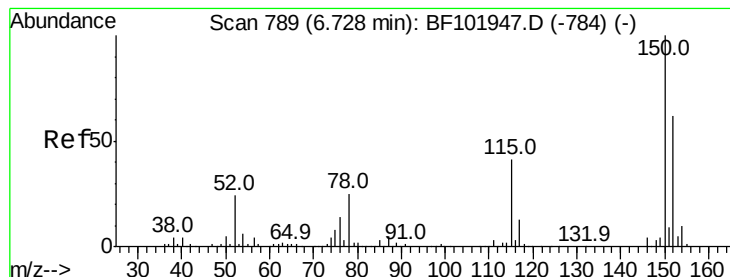
Instrument :
BNA_F
ClientSampleId :
UST-1 14.5-15.0

Quant Time: Jan 17 15:39:26 2018
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF010918.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Jan 17 15:28:18 2018
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#1

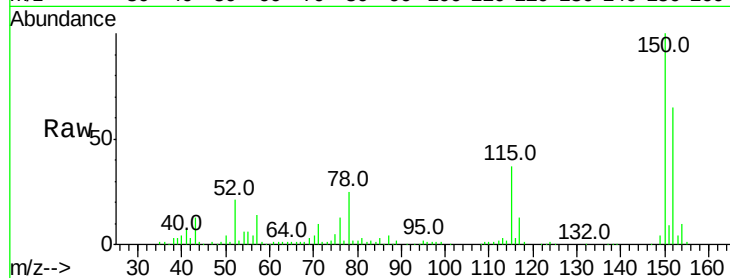
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.72 min Scan# 788
Delta R.T. -0.00 min
Lab File: BF102148.D
Acq: 17 Jan 2018 13:09

Instrument :
BNA_F
ClientSampleId :
UST-1 14.5-15.0

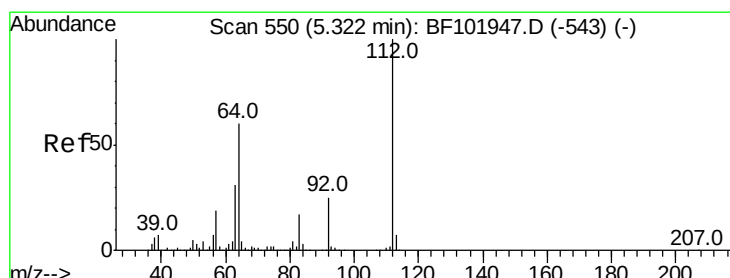
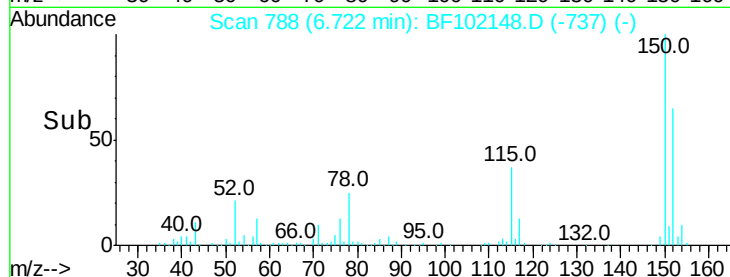
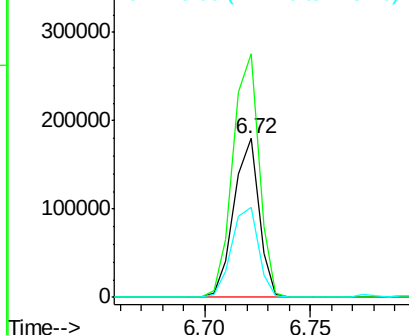
Tot Ion	Ratio	Lower	Upper
152	100		
150	153.2	124.6	186.8
115	56.9	50.1	75.1

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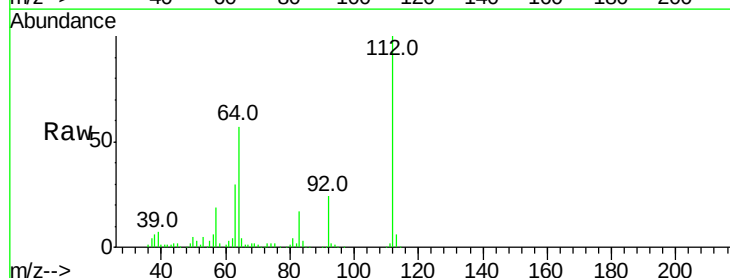
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



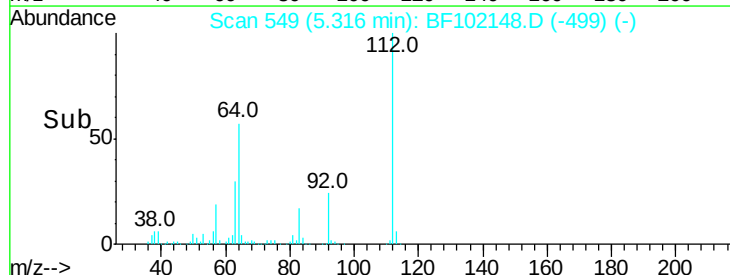
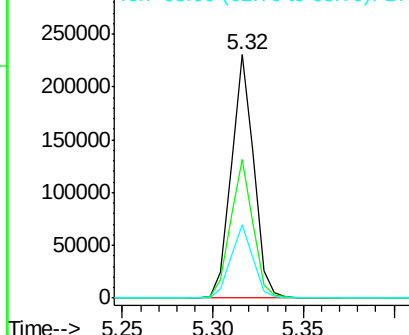
#5

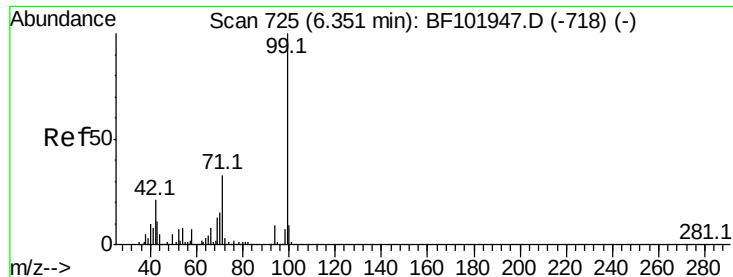
2-Fluorophenol
Concen: 19.041 ng
RT: 5.32 min Scan# 549
Delta R.T. -0.01 min
Lab File: BF102148.D
Acq: 17 Jan 2018 13:09

Tgt Ion	Ratio	Lower	Upper
112	100		
64	57.1	47.9	71.9
63	29.9	23.7	35.5



Abundance Ion 112.00 (111.70 to 112.70): E
Ion 64.00 (63.70 to 64.70): BF1
Ion 63.00 (62.70 to 63.70): BF1





#7

Phenol-d6

Concen: 19.226 ng

RT: 6.35 min Scan# 724

Delta R.T. -0.01 min

Lab File: BF102148.D

Acq: 17 Jan 2018 13:09

Instrument :

BNA_F

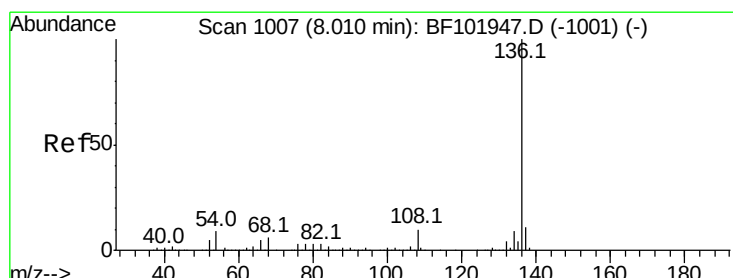
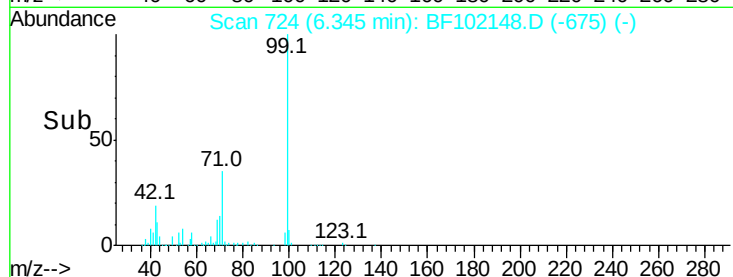
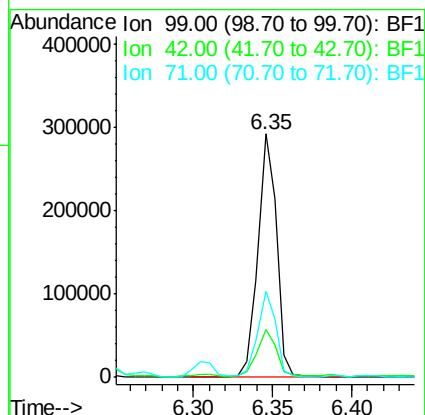
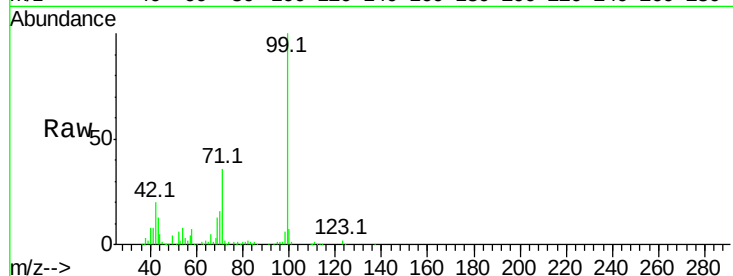
ClientSampleId :

UST-1 14.5-15.0

Tot Ion	99	Resp	239936
Ion Ratio	Lower	Upper	
99	100		
42	19.6	14.5	21.7
71	35.5	25.4	38.0

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#21

Naphthalene-d8

Concen: 20.000 ng

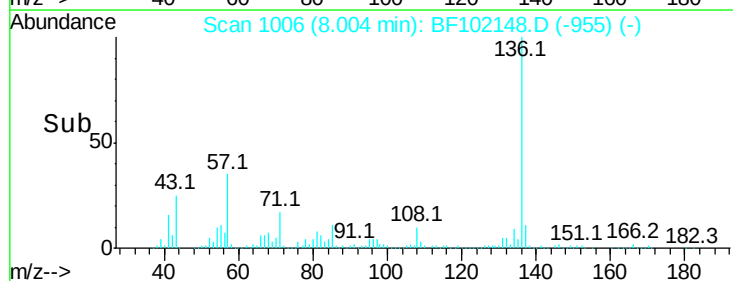
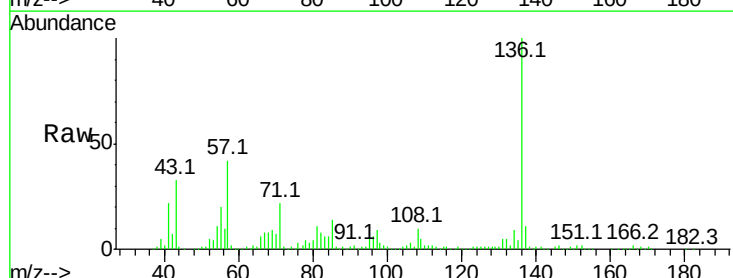
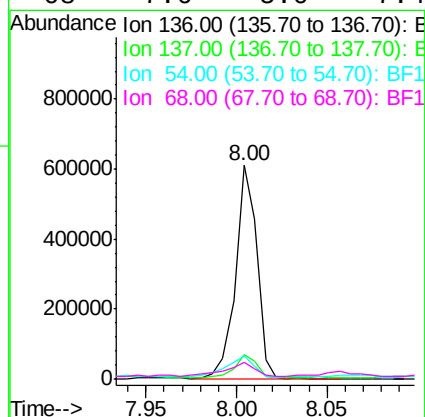
RT: 8.00 min Scan# 1006

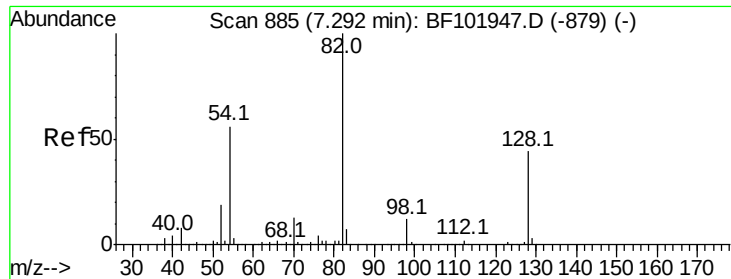
Delta R.T. -0.00 min

Lab File: BF102148.D

Acq: 17 Jan 2018 13:09

Tgt Ion	136	Resp	500588
Ion Ratio	Lower	Upper	
136	100		
137	11.4	8.9	13.3
54	10.6	6.6	9.8#
68	7.6	5.0	7.4#





#23

Nitrobenzene-d5

Concen: 17.453 ng

RT: 7.28 min Scan# 883

Delta R.T. -0.01 min

Lab File: BF102148.D

Acq: 17 Jan 2018 13:09

Instrument :

BNA_F

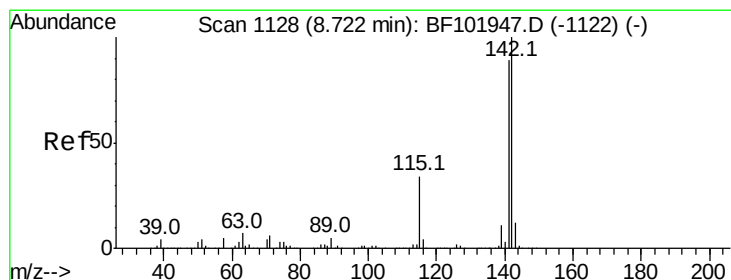
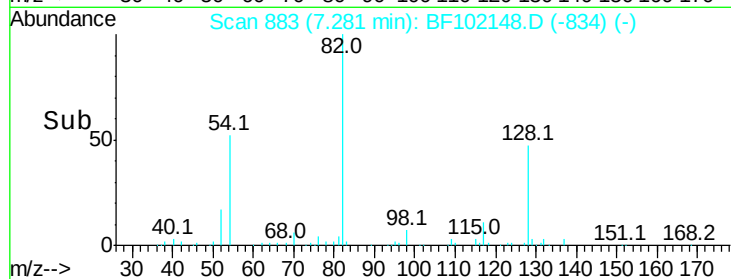
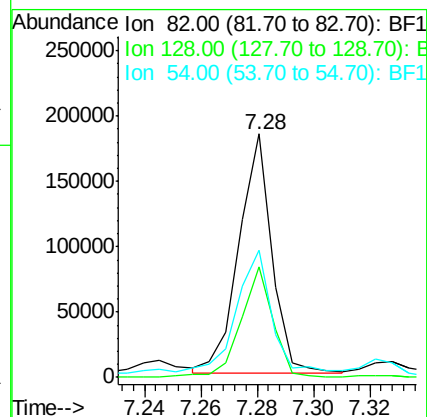
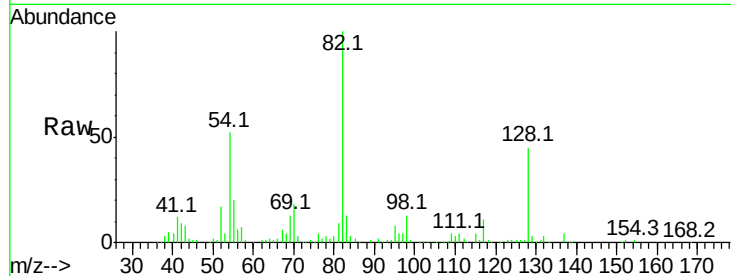
ClientSampleId :

UST-1 14.5-15.0

Tot Ion:	82	Resp:	148677
Ion Ratio	Lower	Upper	
82	100		
128	45.1	36.1	54.1
54	52.0	41.4	62.2

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#37

2-Methylnaphthalene

Concen: 11.580 ng

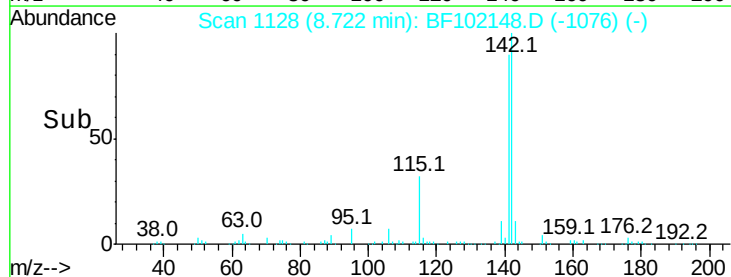
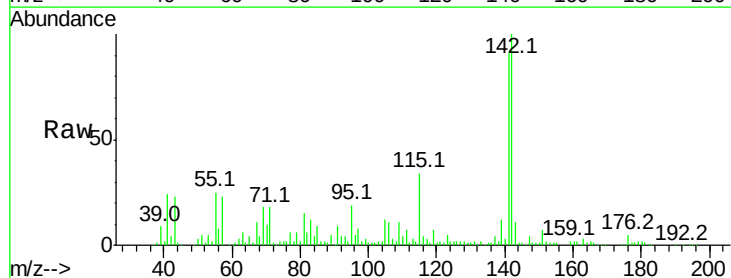
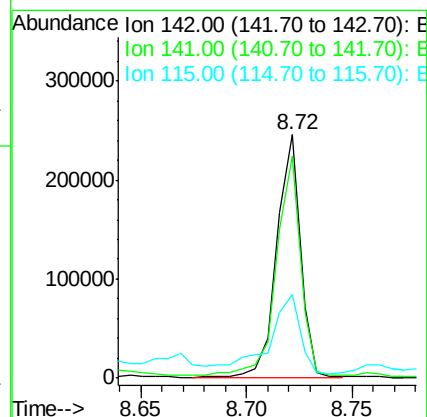
RT: 8.72 min Scan# 1128

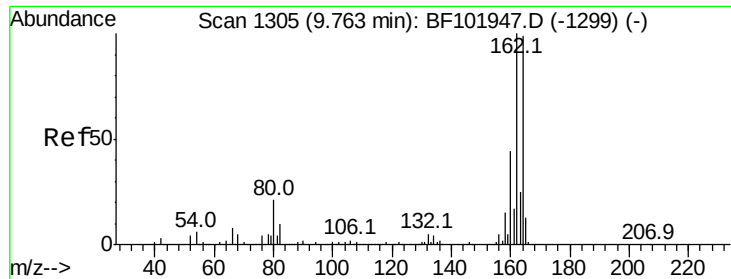
Delta R.T. 0.01 min

Lab File: BF102148.D

Acq: 17 Jan 2018 13:09

Tgt Ion:	142	Resp:	190693
Ion Ratio	Lower	Upper	
142	100		
141	91.0	70.8	106.2
115	34.5	26.1	39.1





#38

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.76 min Scan# 1305

Delta R.T. 0.01 min

Lab File: BF102148.D

Acq: 17 Jan 2018 13:09

Instrument :

BNA_F

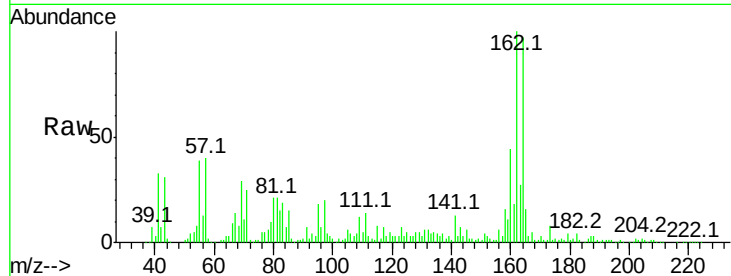
ClientSampleId :

UST-1 14.5-15.0

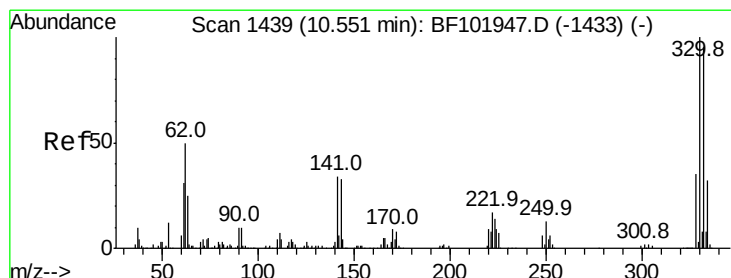
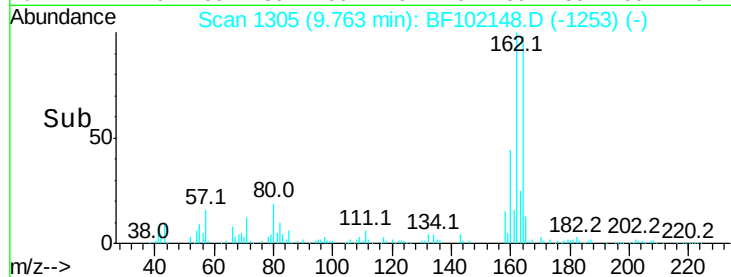
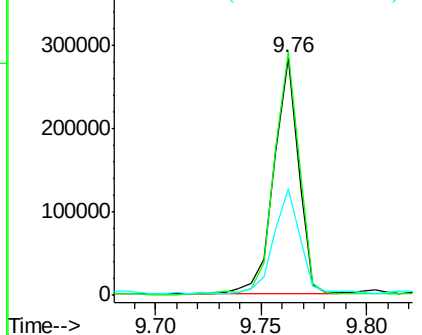
Tot Ion:	164	Resp:	232428
Ion Ratio	Lower	Upper	
164	100		
162	102.6	86.1	129.1
160	45.2	38.3	57.5

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Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E



#41

2,4,6-Tribromophenol

Concen: 20.485 ng

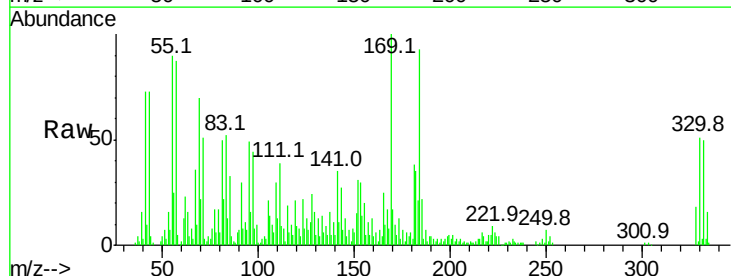
RT: 10.55 min Scan# 1439

Delta R.T. 0.01 min

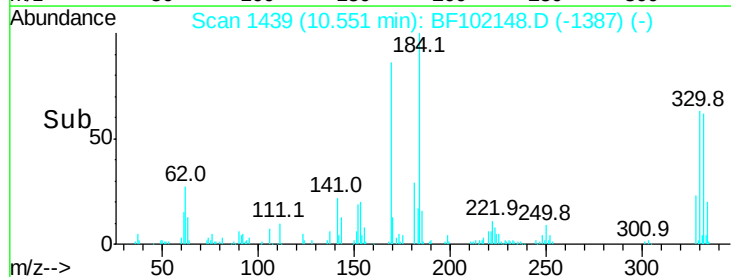
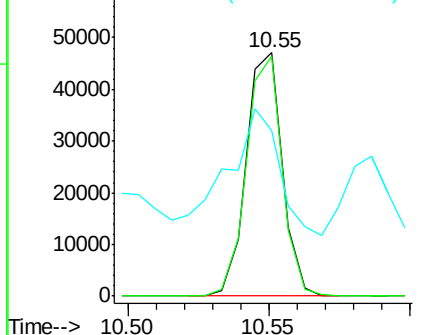
Lab File: BF102148.D

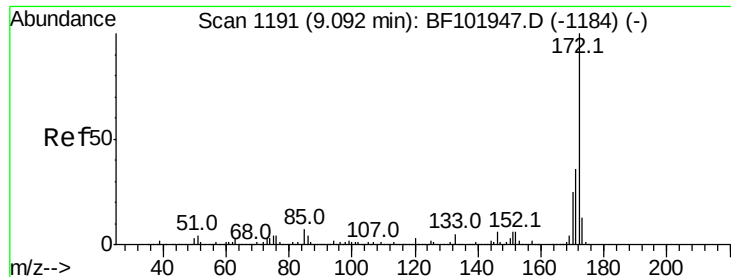
Acq: 17 Jan 2018 13:09

Tgt Ion:	330	Resp:	41552
Ion Ratio	Lower	Upper	
330	100		
332	97.7	77.0	115.6
141	74.6	29.9	44.9#



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: 16.852 ng

RT: 9.08 min Scan# 1189

Delta R.T. -0.01 min

Lab File: BF102148.D

Acq: 17 Jan 2018 13:09

Instrument :

BNA_F

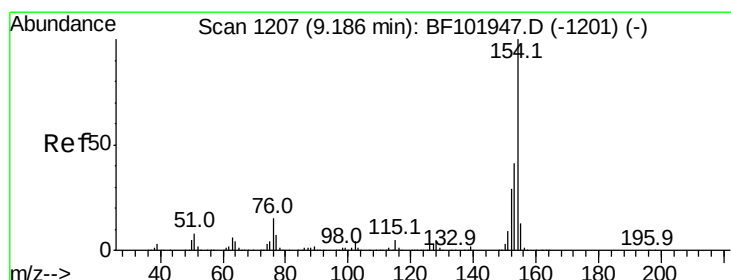
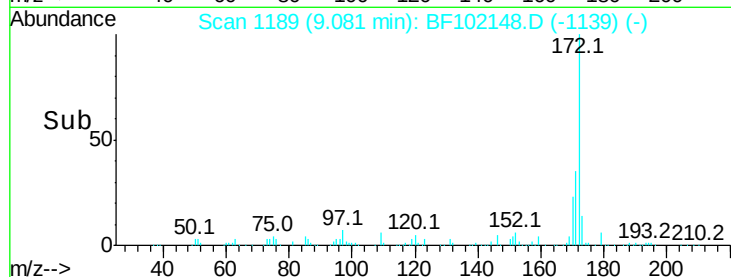
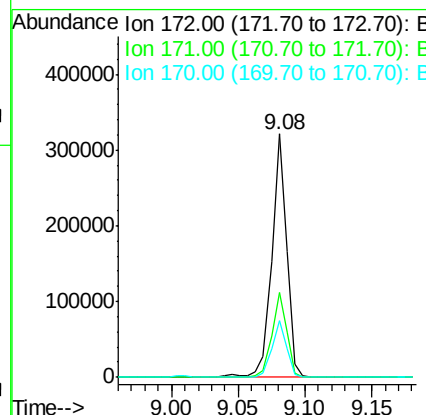
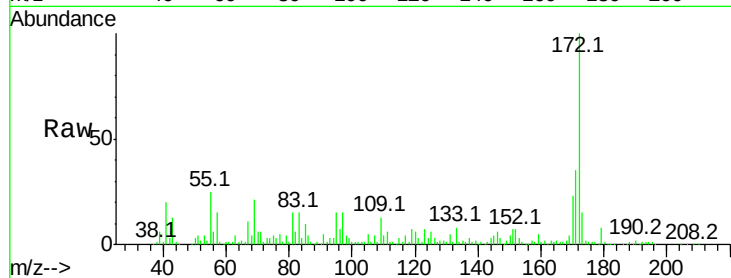
ClientSampleId :

UST-1 14.5-15.0

Tot Ion:	172	Resp:	250723
Ion Ratio	Lower	Upper	
172	100		
171	35.1	29.7	44.5
170	23.1	19.6	29.4

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#45

1,1'-Biphenyl

Concen: 6.940 ng

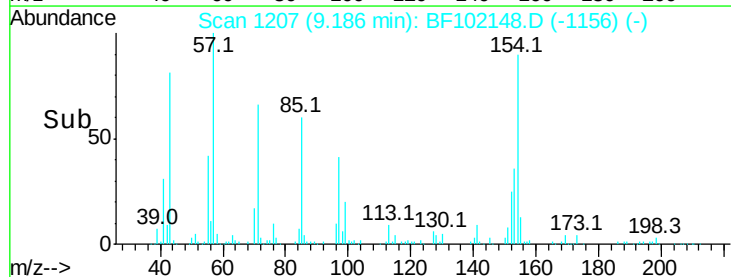
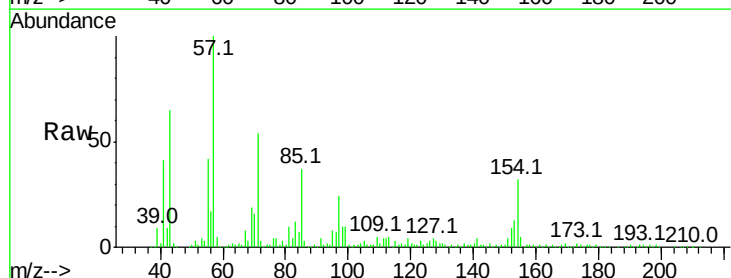
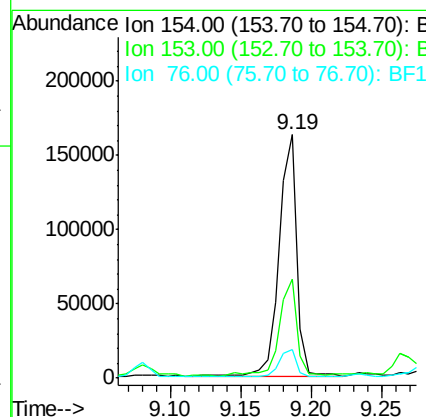
RT: 9.19 min Scan# 1207

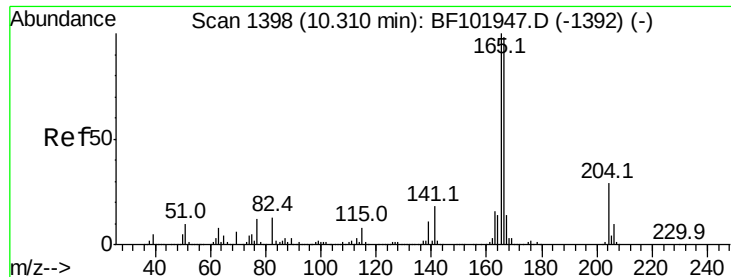
Delta R.T. -0.00 min

Lab File: BF102148.D

Acq: 17 Jan 2018 13:09

Tgt Ion:	154	Resp:	142579
Ion Ratio	Lower	Upper	
154	100		
153	40.5	21.3	61.3
76	11.7	0.0	34.0





#57

Fluorene

Concen: 5.061 ng

RT: 10.31 min Scan# 1398

Delta R.T. -0.00 min

Lab File: BF102148.D

Acq: 17 Jan 2018 13:09

Instrument :

BNA_F

ClientSampleId :

UST-1 14.5-15.0

Tot Ion:166 Resp: 73679

Ion Ratio Lower Upper

166 100

165 115.4 79.8 119.8

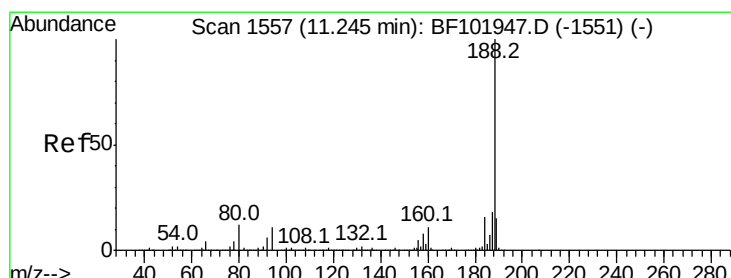
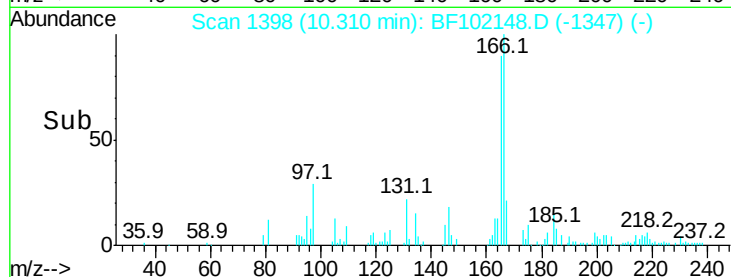
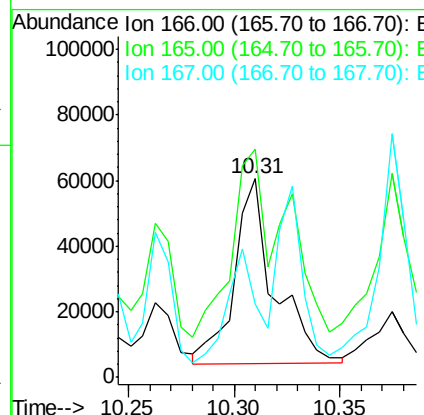
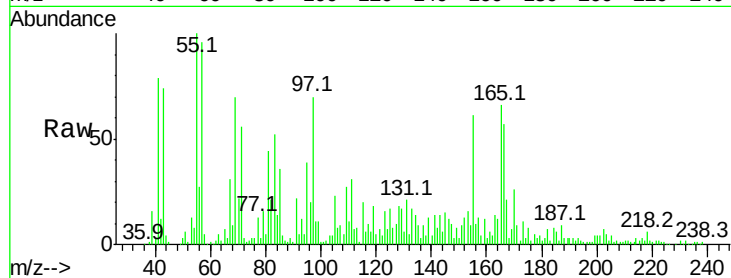
167 37.2 10.6 16.0#

Manual Integrations

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#63

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.25 min Scan# 1557

Delta R.T. 0.01 min

Lab File: BF102148.D

Acq: 17 Jan 2018 13:09

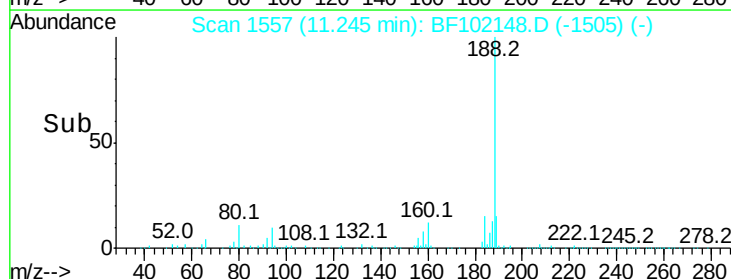
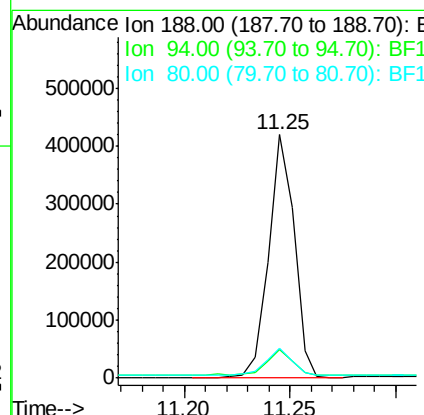
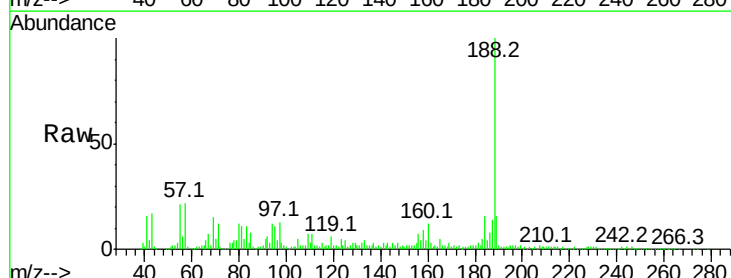
Tgt Ion:188 Resp: 352089

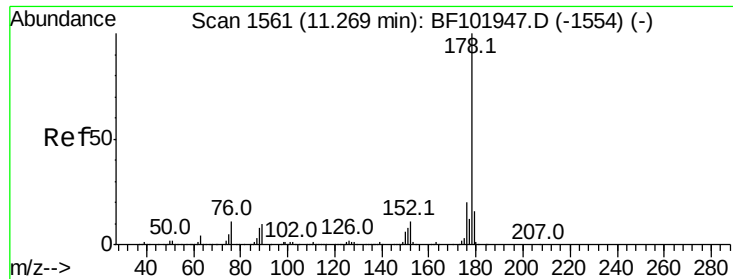
Ion Ratio Lower Upper

188 100

94 11.6 8.5 12.7

80 12.4 9.2 13.8





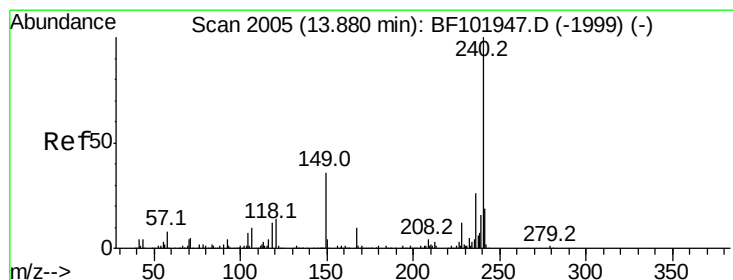
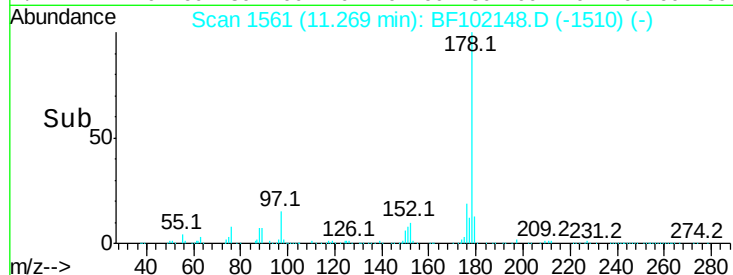
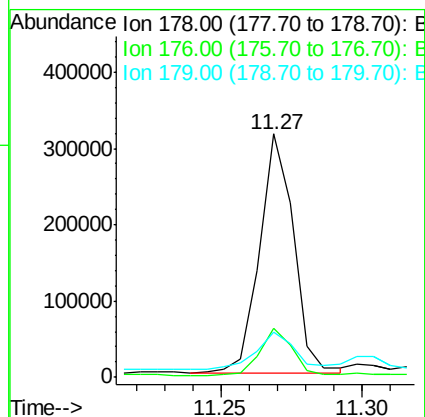
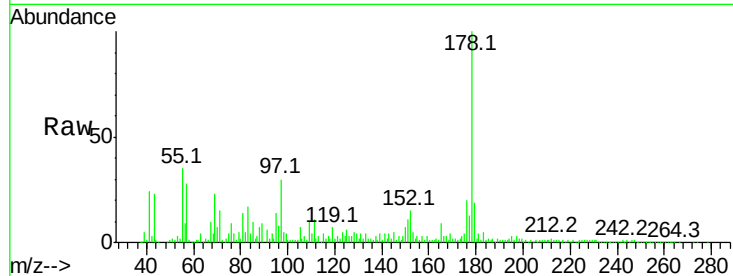
#70
Phenanthrene
Concen: 12.666 ng
RT: 11.27 min Scan# 1561
Delta R.T. -0.00 min
Lab File: BF102148.D
Acq: 17 Jan 2018 13:09

Instrument :
BNA_F
ClientSampleId :
UST-1 14.5-15.0

Tot Ion	Ratio	Lower	Upper
178	100		
176	19.9	15.8	23.8
179	18.7	13.0	19.6

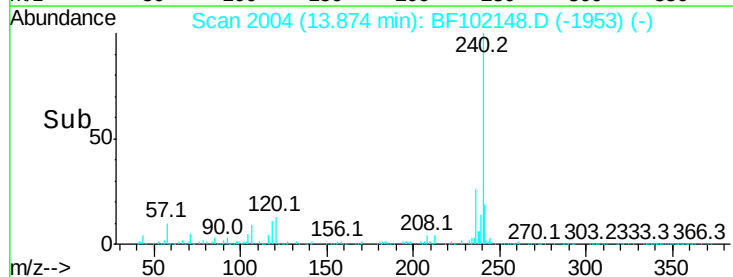
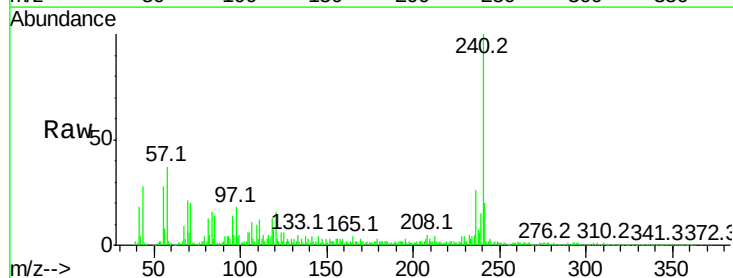
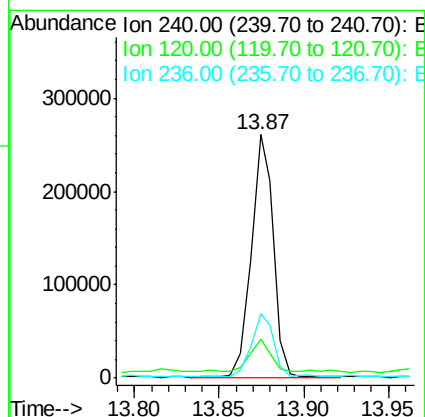
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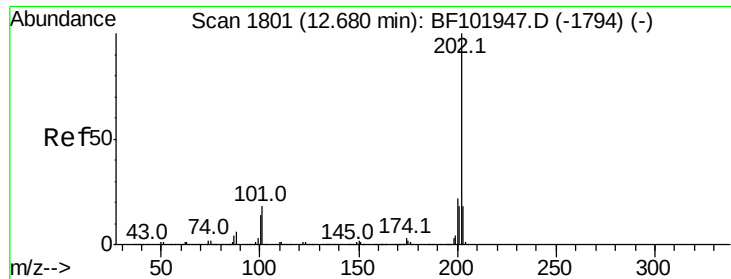
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#75
Chrysene-d12
Concen: 20.000 ng
RT: 13.87 min Scan# 2004
Delta R.T. -0.00 min
Lab File: BF102148.D
Acq: 17 Jan 2018 13:09

Tgt Ion	Ratio	Lower	Upper
240	100		
120	16.0	9.5	14.3#
236	26.4	20.7	31.1





#77

Pvrene

Concen: 4.461 ng

RT: 12.68 min Scan# 1801

Delta R.T. -0.00 min

Lab File: BF102148.D

Acq: 17 Jan 2018 13:09

Instrument :

BNA_F

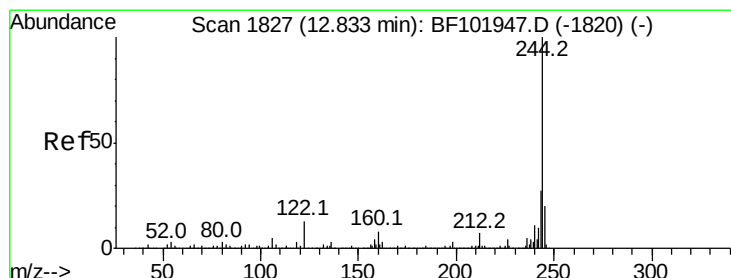
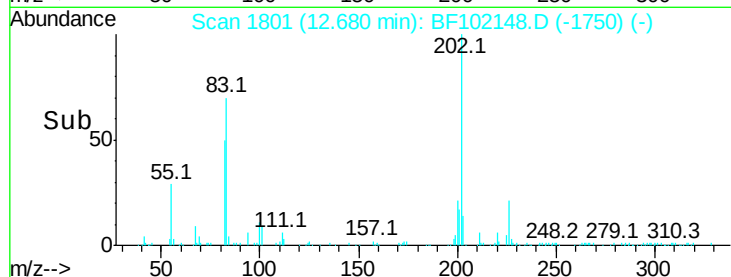
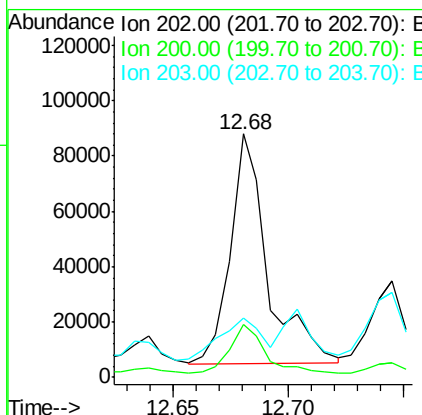
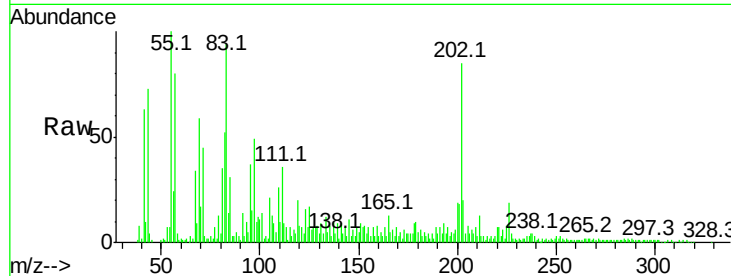
ClientSampleId :

UST-1 14.5-15.0

Tot Ion:	202	Resp:	93266
Ion Ratio	Lower	Upper	
202	100		
200	22.0	17.4	26.2
203	24.1	14.3	21.5#

Manual Integrations
APPROVED

Sohil
1/18/2018 11:12:14 AM



#78

Terphenyl-d14

Concen: 14.163 ng

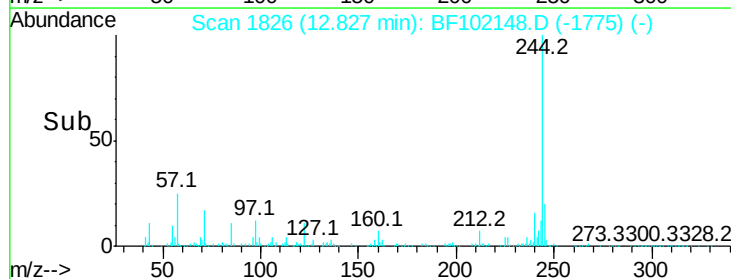
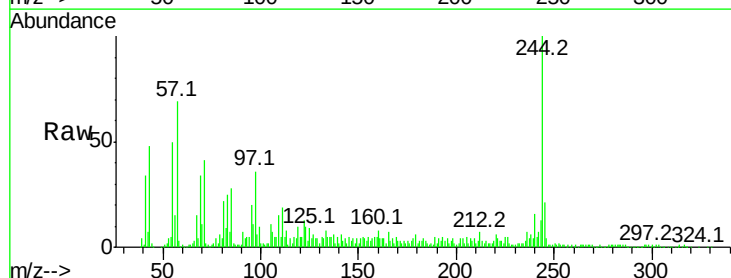
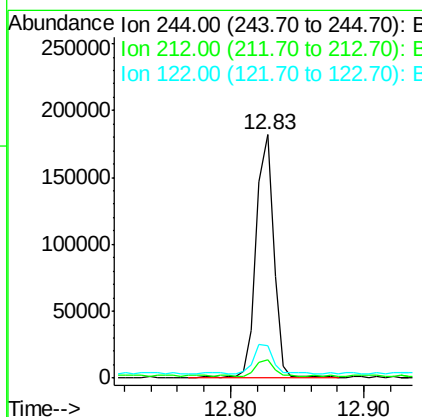
RT: 12.83 min Scan# 1826

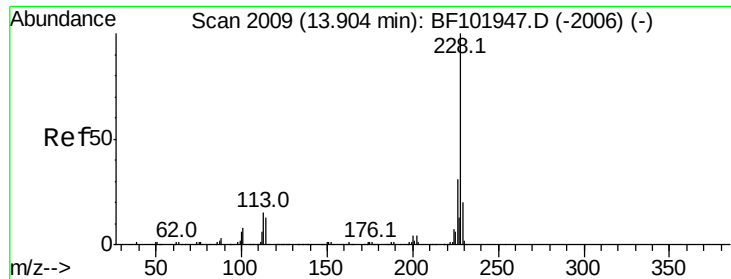
Delta R.T. -0.00 min

Lab File: BF102148.D

Acq: 17 Jan 2018 13:09

Tgt Ion:	244	Resp:	161335
Ion Ratio	Lower	Upper	
244	100		
212	7.3	5.4	8.0
122	13.2	11.0	16.4





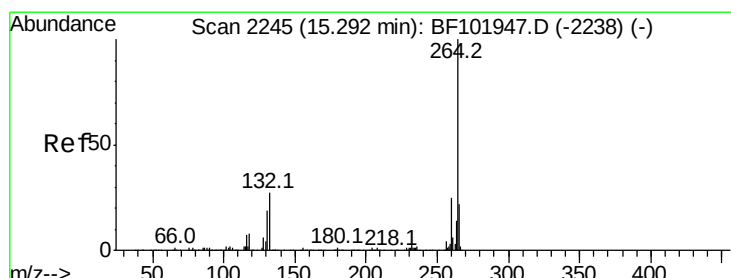
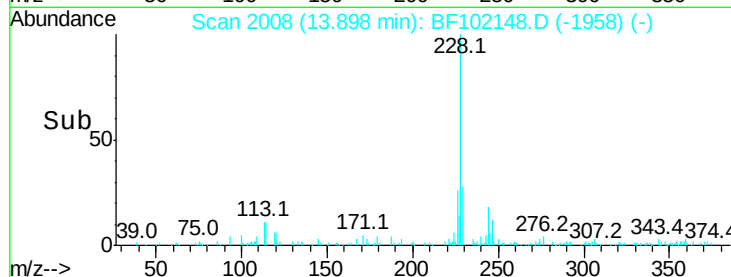
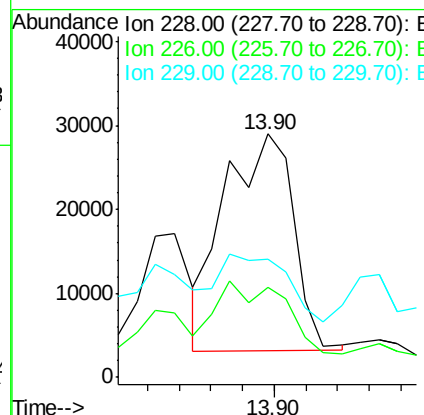
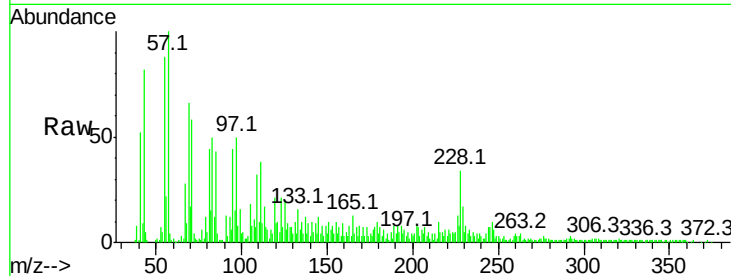
#82
Chrysene
Concen: 2.487 ng
RT: 13.90 min Scan# 2008
Delta R.T. -0.01 min
Lab File: BF102148.D
Acq: 17 Jan 2018 13:09

Instrument :
BNA_F
ClientSampleId :
UST-1 14.5-15.0

Tot Ion	Ratio	Lower	Upper
228	100		
226	36.9	25.0	37.6
229	48.4	16.2	24.4

Manual Integrations
APPROVED

Sohil
1/18/2018 11:12:14 AM



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.30 min Scan# 2246
Delta R.T. 0.01 min
Lab File: BF102148.D
Acq: 17 Jan 2018 13:09

Tgt Ion	Ratio	Lower	Upper
264	100		
260	23.6	19.2	28.8
265	23.4	17.5	26.3

