

Data Path : Z:\HPCHEM1\BNA F\DATA\BF031418\
 Data File : BF103644.D
 Acq On : 14 Mar 2018 16:51
 Operator : SJ/JU
 Sample : J1749-03
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 BU-02-031318

Manual Integrations
 APPROVED

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 3/15/2018 6:57:18 PM

Quant Time: Mar 14 18:37:20 2018
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF022218.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Mar 14 18:08:29 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.86	152	113578	20.00	ng	0.00
21) Naphthalene-d8	8.14	136	500934	20.00	ng	0.00
38) Acenaphthene-d10	9.90	164	206644	20.00	ng	0.00
63) Phenanthrene-d10	11.40	188	311486	20.00	ng	0.00
75) Chrysene-d12	14.06	240	209643	20.00	ng	0.00
86) Perylene-d12	15.57	264	166396	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.49	112	782251	104.17	ng	0.00
7) Phenol-d6	6.50	99	1067529	116.17	ng	0.00
23) Nitrobenzene-d5	7.43	82	650097	74.11	ng	0.00
41) 2,4,6-Tribromophenol	10.70	330	128291	73.35	ng	0.00
44) 2-Fluorobiphenyl	9.21	172	892697	71.66	ng	0.00
78) Terphenyl-d14	12.98	244	550673	63.14	ng	0.00
Target Compounds						
57) Fluorene	10.45	166	37280	2.594	ng	98
70) Phenanthrene	11.42	178	146699	8.558	ng	97
71) Anthracene	11.48	178	63441	3.609	ng	97
73) Di-n-butylphthalate	11.94	149	153085	6.989	ng	99
74) Fluoranthene	12.62	202	96138	5.581	ng	98
77) Pyrene	12.86	202	75728	4.633	ng	97
80) Benzo(a)anthracene	14.04	228	34332	2.524	ng	# 91
82) Chrysene	14.09	228	28163	2.132	ng	# 92
87) Benzo(b)fluoranthene	15.13	252	29505m	2.697	ng	
89) Benzo(a)pyrene	15.51	252	19582	2.004	ng	# 73

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

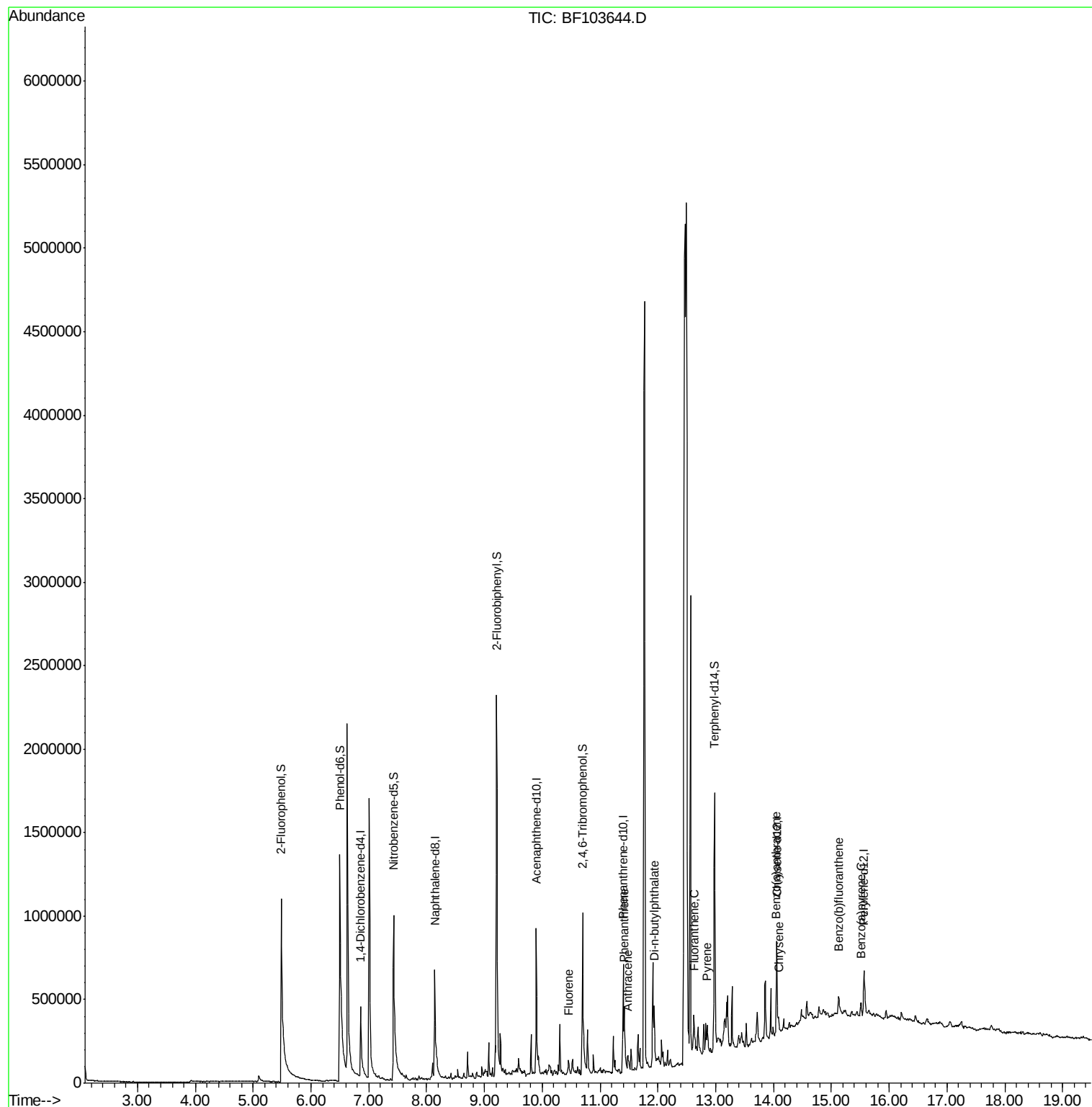
Data Path : Z:\HPCHEM1\BNA F\DATA\BF031418\
Data File : BF103644.D
Acq On : 14 Mar 2018 16:51
Operator : SJ/JU
Sample : J1749-03
Misc :
ALS Vial : 9 Sample Multiplier: 1

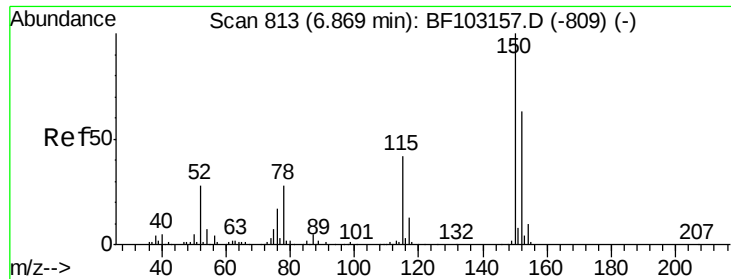
Instrument :
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ClientSampleId :
BU-02-031318

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#1

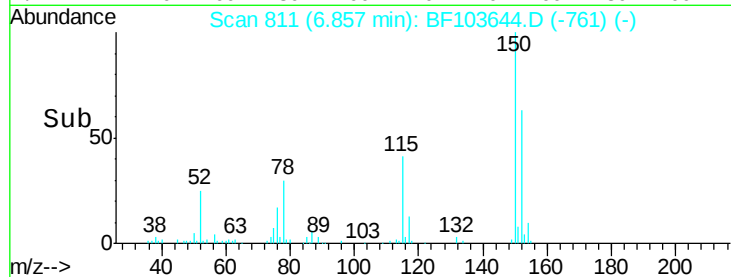
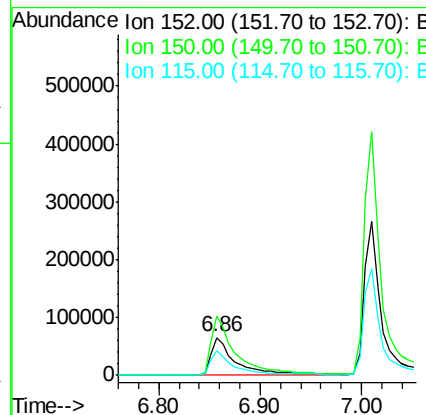
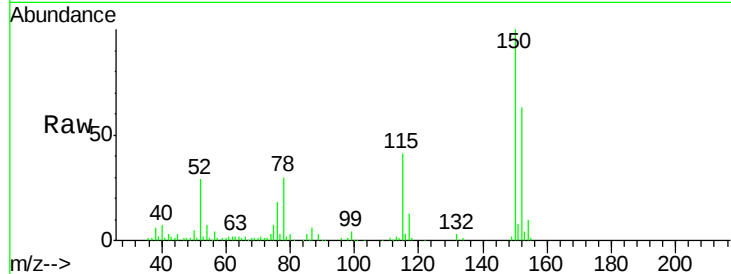
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.86 min Scan# 811
Delta R.T. -0.01 min
Lab File: BF103644.D
Acq: 14 Mar 2018 16:51

Instrument :
BNA_F
ClientSampleId :
BU-02-031318

Tot Ion	Ratio	Lower	Upper
152	100		
150	158.8	124.6	186.8
115	65.4	50.1	75.1

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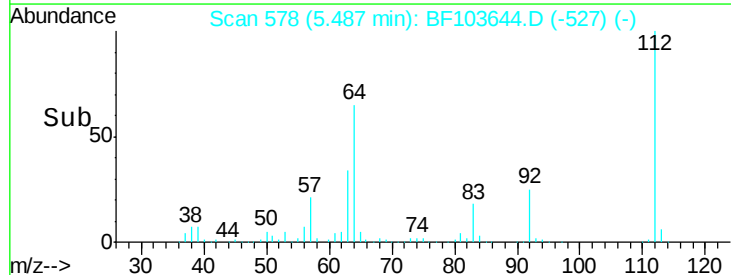
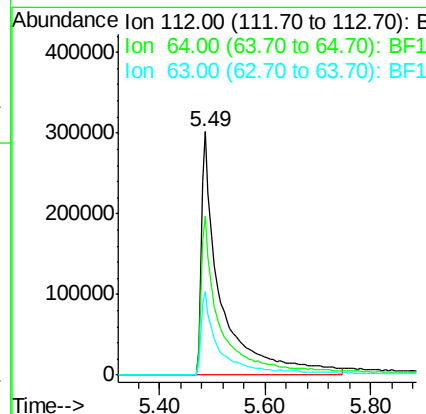
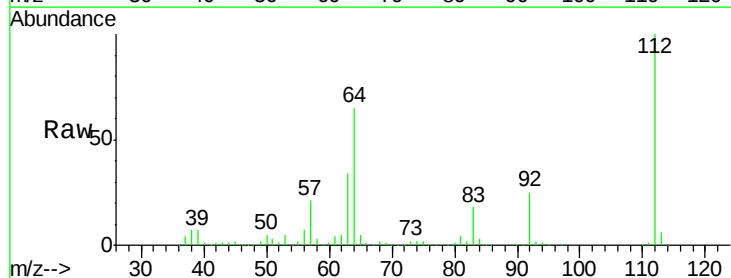
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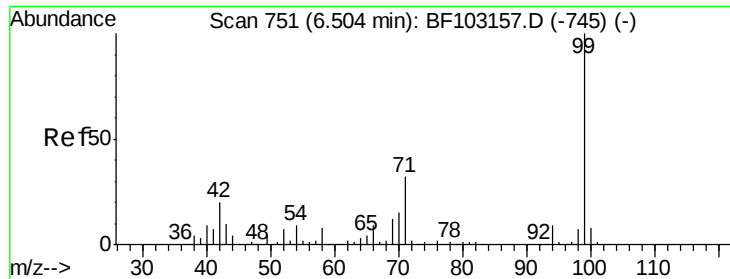


#5

2-Fluorophenol
Concen: 104.166 ng
RT: 5.49 min Scan# 578
Delta R.T. -0.00 min
Lab File: BF103644.D
Acq: 14 Mar 2018 16:51

Tgt Ion	Ratio	Lower	Upper
112	100		
64	65.4	47.9	71.9
63	34.5	23.7	35.5





#7

Phenol-d6

Concen: 116.172 ng

RT: 6.50 min Scan# 750

Delta R.T. -0.01 min

Lab File: BF103644.D

Acq: 14 Mar 2018 16:51

Instrument :

BNA_F

ClientSampleId :

BU-02-031318

Tot Ion: 99 Resp: 1067529

Ion Ratio Lower Upper

99 100

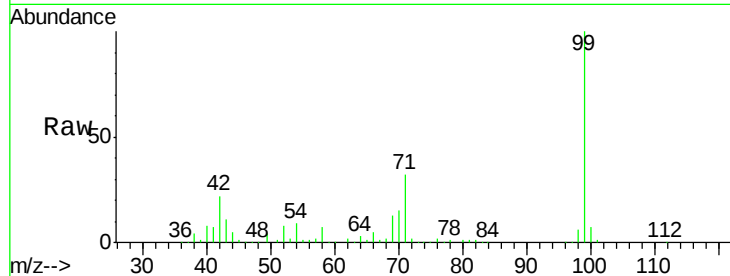
42 21.8 14.5 21.7#

71 32.0 25.4 38.0

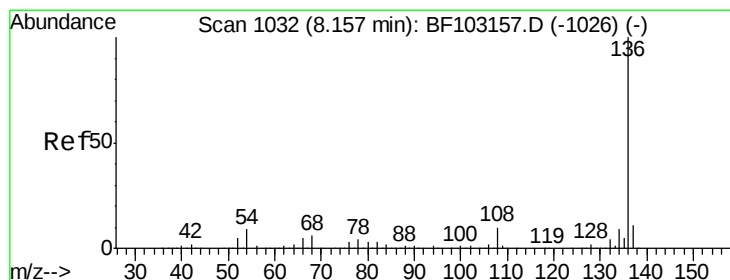
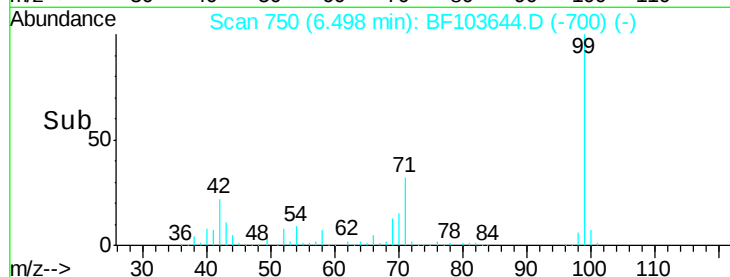
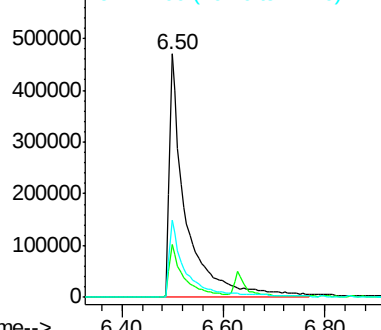
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Abundance Ion 99.00 (98.70 to 99.70): BF1
Ion 42.00 (41.70 to 42.70): BF1
Ion 71.00 (70.70 to 71.70): BF1



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.14 min Scan# 1029

Delta R.T. -0.00 min

Lab File: BF103644.D

Acq: 14 Mar 2018 16:51

Tgt Ion: 136 Resp: 500934

Ion Ratio Lower Upper

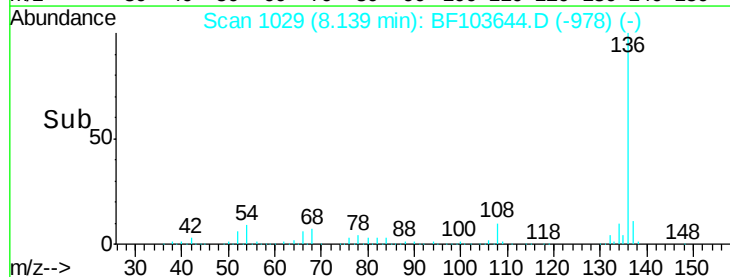
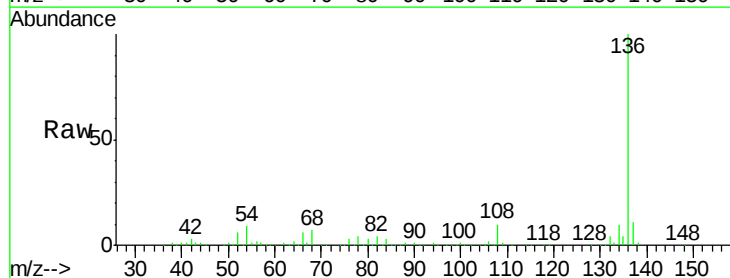
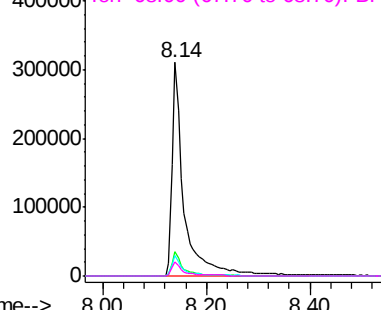
136 100

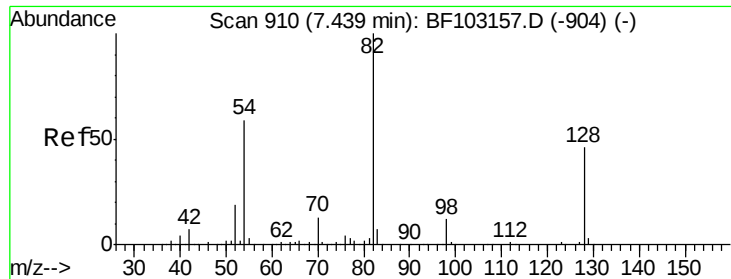
137 11.3 8.9 13.3

54 9.5 6.6 9.8

68 6.6 5.0 7.4

Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF1
Ion 68.00 (67.70 to 68.70): BF1





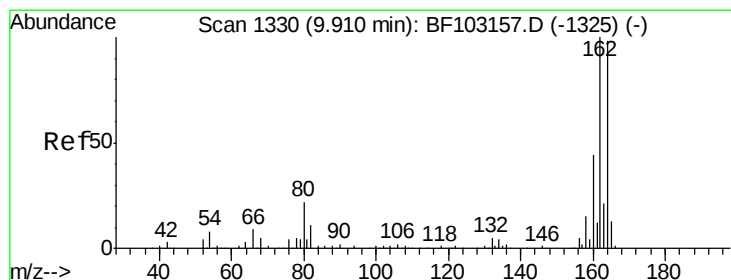
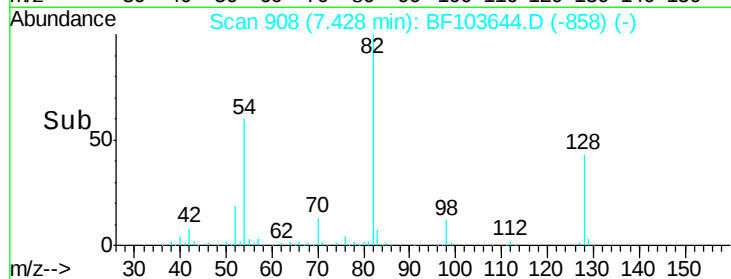
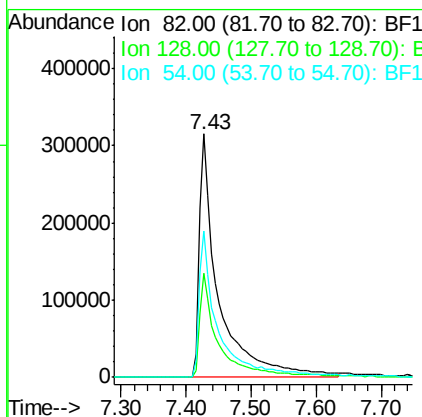
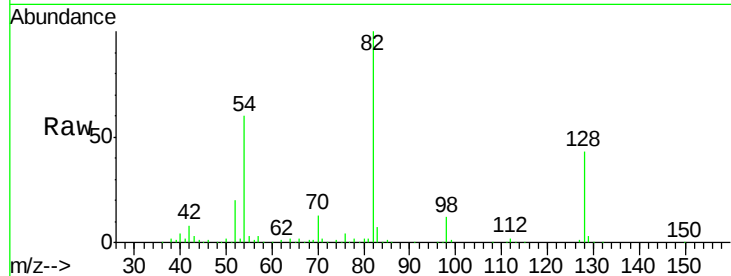
#23
Nitrobenzene-d5
Concen: 74.114 ng
RT: 7.43 min Scan# 908
Delta R.T. -0.01 min
Lab File: BF103644.D
Acq: 14 Mar 2018 16:51

Instrument :
BNA_F
ClientSampleId :
BU-02-031318

Tot Ion	Ratio	Lower	Upper
82	100		
128	42.8	36.1	54.1
54	59.9	41.4	62.2

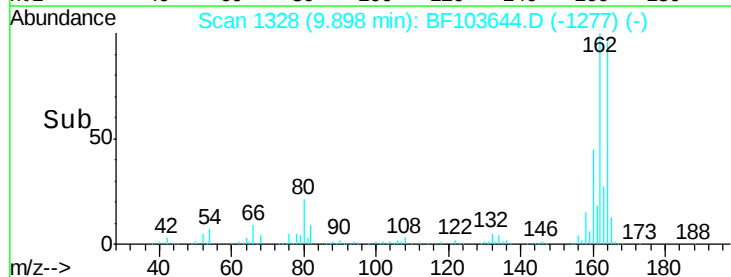
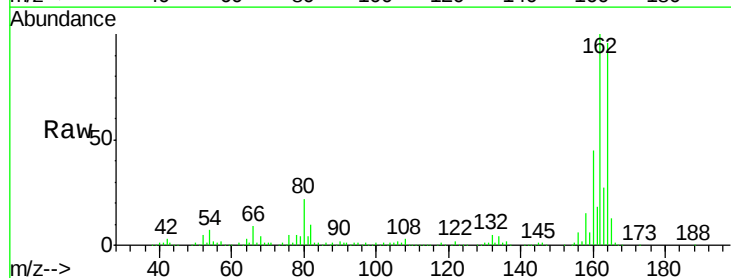
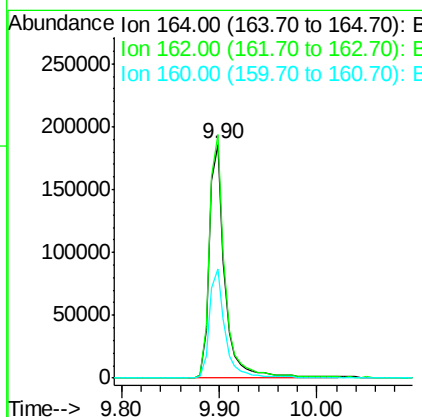
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#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.90 min Scan# 1328
Delta R.T. -0.00 min
Lab File: BF103644.D
Acq: 14 Mar 2018 16:51

Tgt Ion	Ratio	Lower	Upper
164	100		
162	104.2	86.1	129.1
160	47.0	38.3	57.5





#41

2,4,6-Tribromophenol

Concen: 73.346 ng

RT: 10.70 min Scan# 1464

Delta R.T. -0.00 min

Lab File: BF103644.D

Acq: 14 Mar 2018 16:51

Instrument :

BNA_F

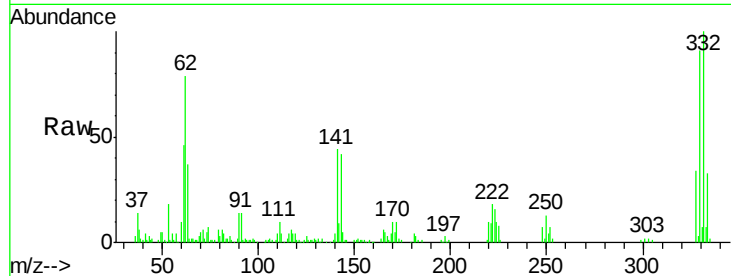
ClientSampled :

BU-02-031318

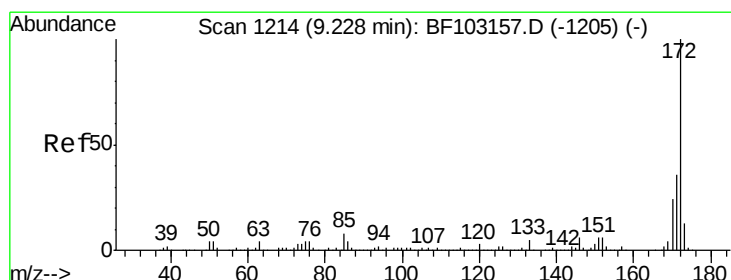
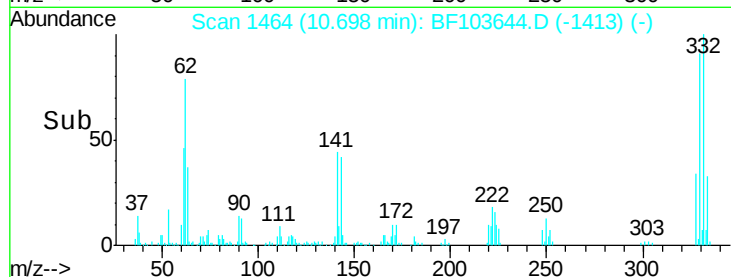
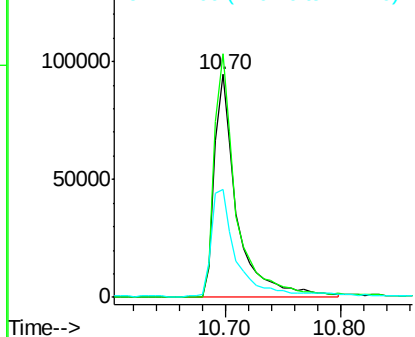
Tot Ion:	330	Resp:	128291
Ion Ratio	Lower	Upper	
330	100		
332	107.5	77.0	115.6
141	53.5	29.9	44.9#

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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: 71.662 ng

RT: 9.21 min Scan# 1211

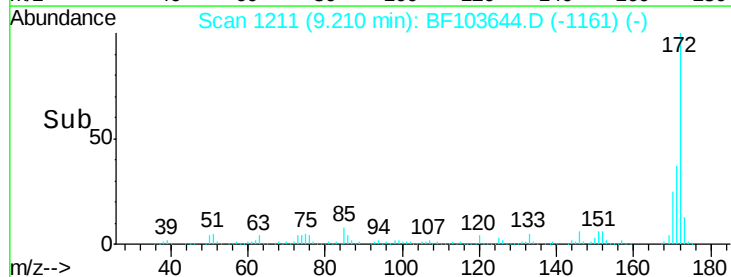
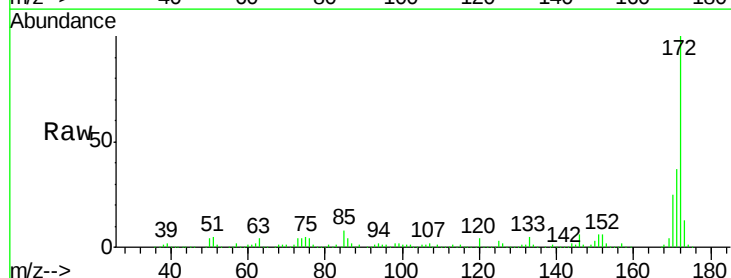
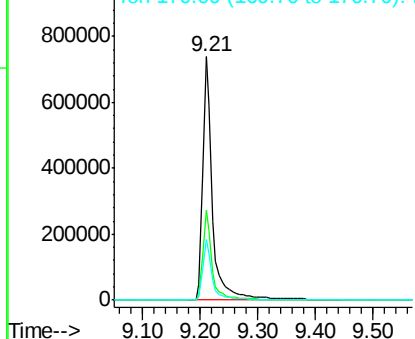
Delta R.T. -0.01 min

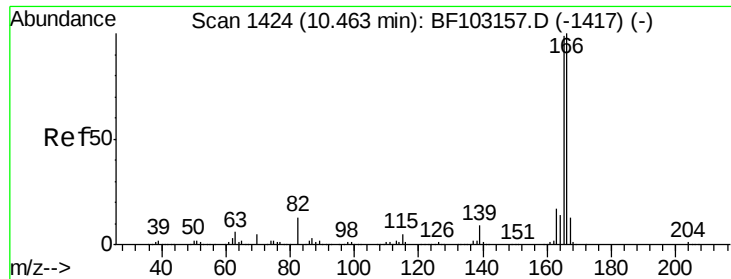
Lab File: BF103644.D

Acq: 14 Mar 2018 16:51

Tgt Ion:	172	Resp:	892697
Ion Ratio	Lower	Upper	
172	100		
171	36.7	29.7	44.5
170	25.1	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





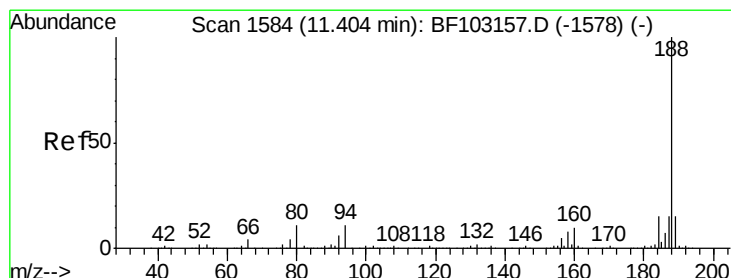
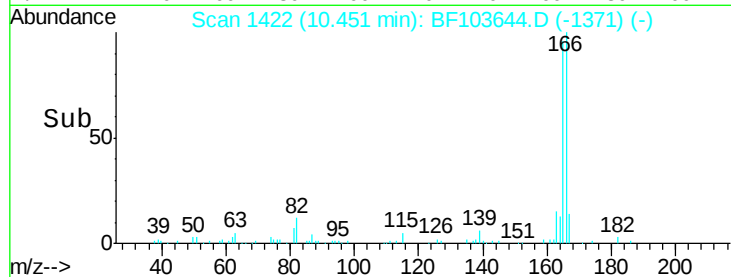
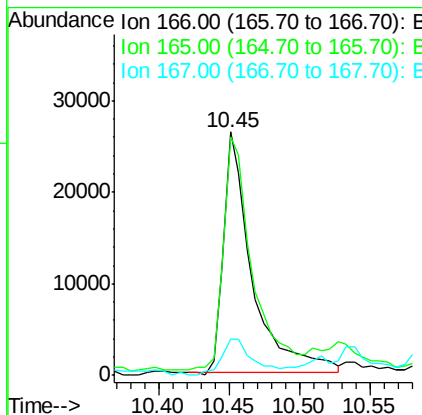
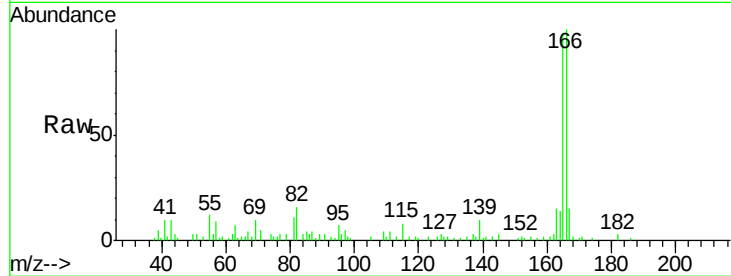
#57
Fluorene
 Concen: 2.594 ng
 RT: 10.45 min Scan# 1422
 Delta R.T. -0.00 min
 Lab File: BF103644.D
 Acq: 14 Mar 2018 16:51

Instrument :
 BNA_F
 ClientSampleId :
 BU-02-031318

Tot Ion	Ratio	Lower	Upper
166	100		
165	98.0	79.8	119.8
167	14.9	10.6	16.0

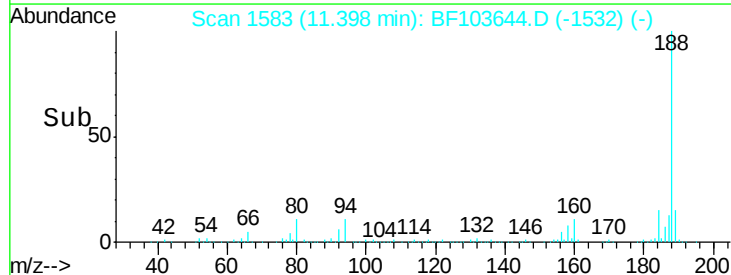
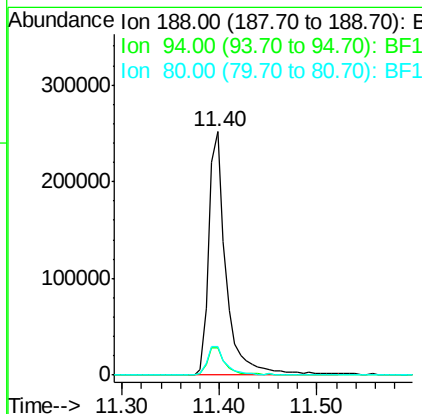
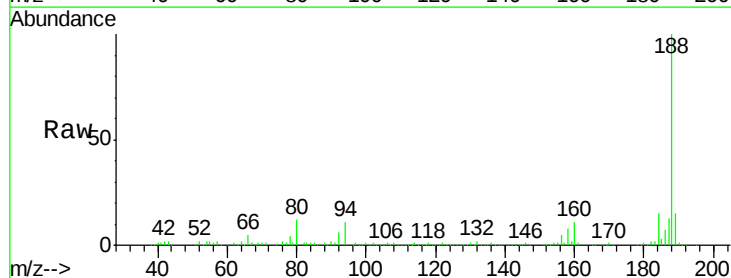
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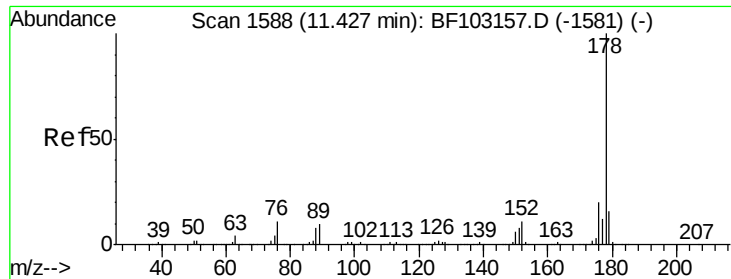
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#63
Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.40 min Scan# 1583
 Delta R.T. -0.00 min
 Lab File: BF103644.D
 Acq: 14 Mar 2018 16:51

Tgt Ion	Ratio	Lower	Upper
188	100		
94	11.0	8.5	12.7
80	11.6	9.2	13.8





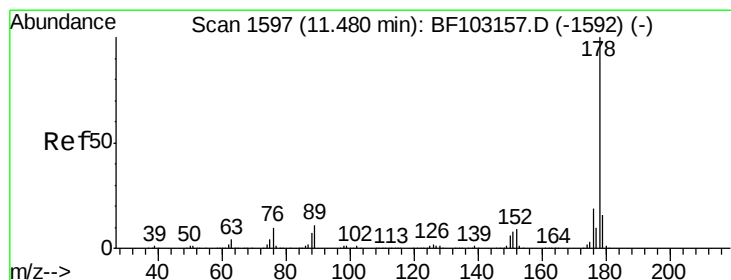
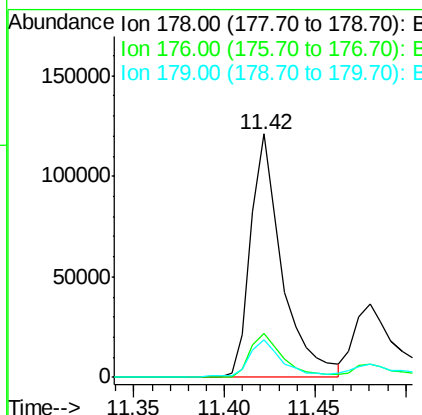
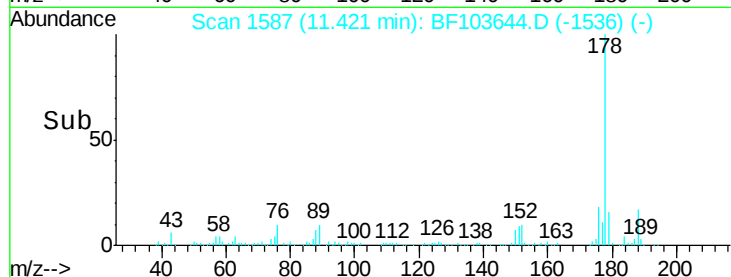
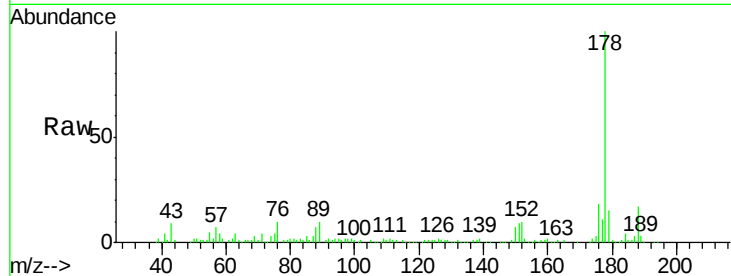
#70
Phenanthrene
Concen: 8.558 ng
RT: 11.42 min Scan# 1587
Delta R.T. -0.00 min
Lab File: BF103644.D
Acq: 14 Mar 2018 16:51

Instrument :
BNA_F
ClientSampleId :
BU-02-031318

Tot Ion	Ratio	Lower	Upper
178	100		
176	18.2	15.8	23.8
179	15.5	13.0	19.6

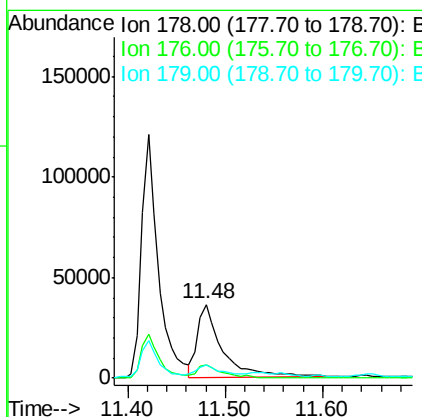
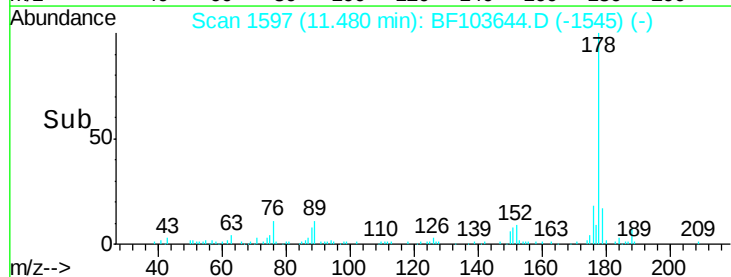
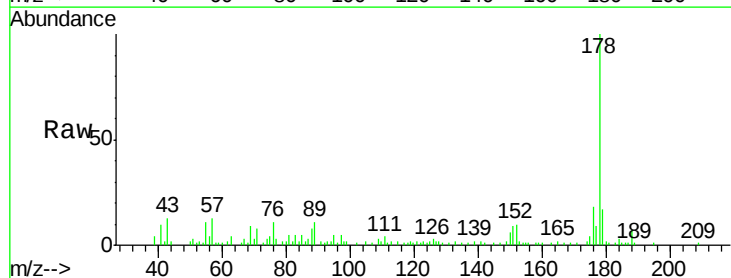
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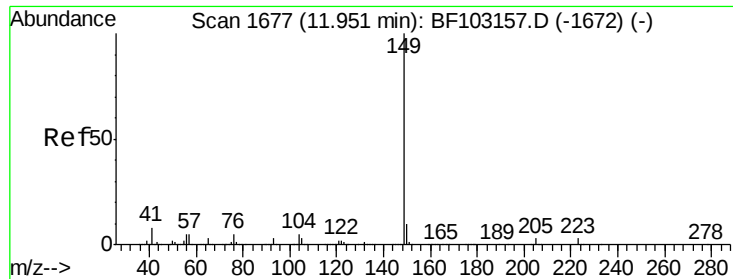
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#71
Anthracene
Concen: 3.609 ng
RT: 11.48 min Scan# 1597
Delta R.T. 0.01 min
Lab File: BF103644.D
Acq: 14 Mar 2018 16:51

Tgt Ion	Ratio	Lower	Upper
178	100		
176	17.9	15.4	23.2
179	17.2	12.6	19.0





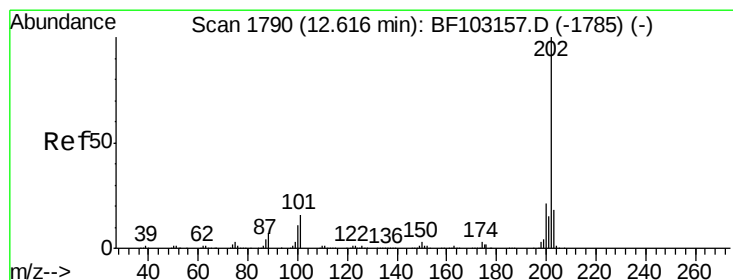
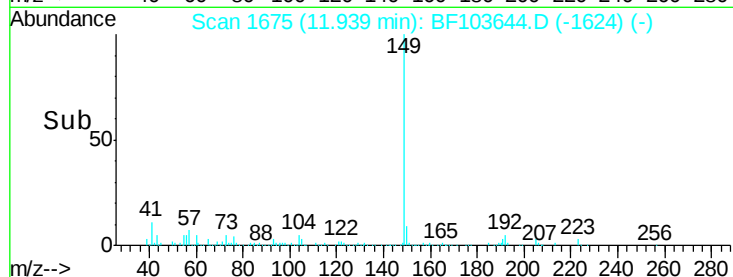
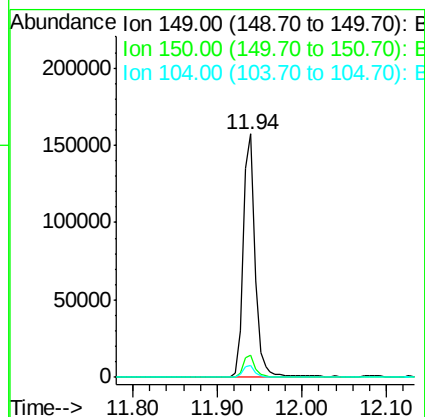
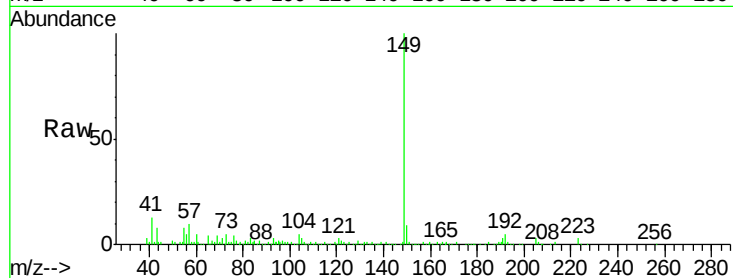
#73
Di-n-butylphthalate
Concen: 6.989 ng
RT: 11.94 min Scan# 1675
Delta R.T. -0.00 min
Lab File: BF103644.D
Acq: 14 Mar 2018 16:51

Instrument :
BNA_F
ClientSampleId :
BU-02-031318

Tot Ion	Ratio	Resp Lower	Upper
149	100		
150	9.0	7.8	11.6
104	4.8	3.8	5.8

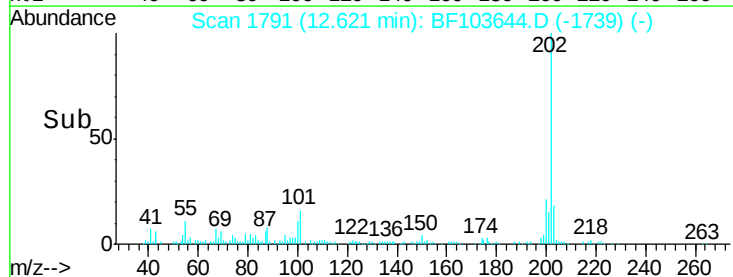
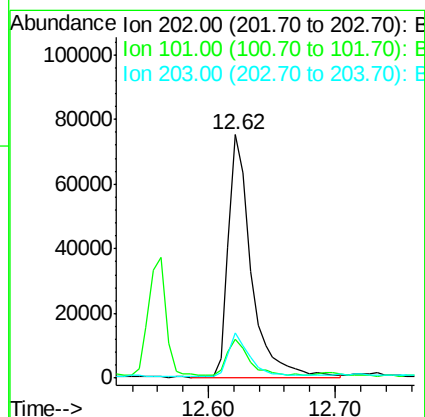
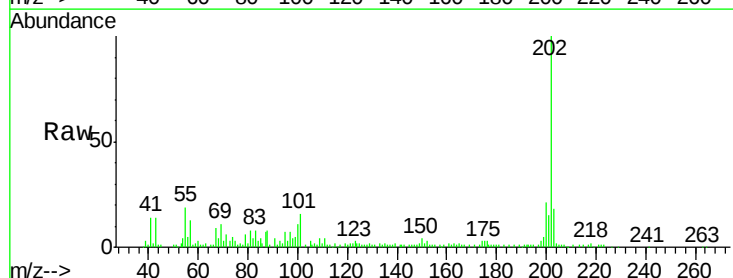
Manual Integrations
APPROVED

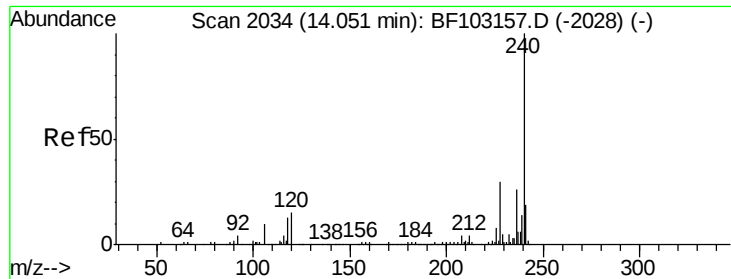
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#74
Fluoranthene
Concen: 5.581 ng
RT: 12.62 min Scan# 1791
Delta R.T. 0.01 min
Lab File: BF103644.D
Acq: 14 Mar 2018 16:51

Tgt Ion	Ratio	Resp Lower	Upper
202	100		
101	15.9	0.0	34.1
203	18.4	0.0	38.1





#75

Chrysene-d12

Concen: 20.000 ng

RT: 14.06 min Scan# 2035

Delta R.T. -0.00 min

Lab File: BF103644.D

Acq: 14 Mar 2018 16:51

Instrument :

BNA_F

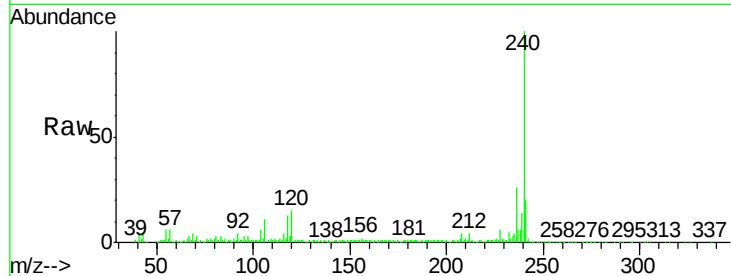
ClientSampleId :

BU-02-031318

Tot Ion	Ratio	Lower	Upper
240	100		
120	15.3	9.5	14.3
236	26.2	20.7	31.1

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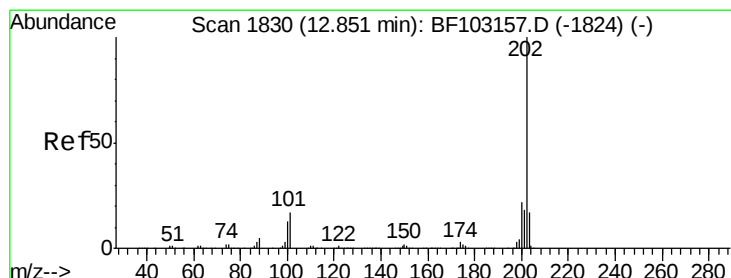
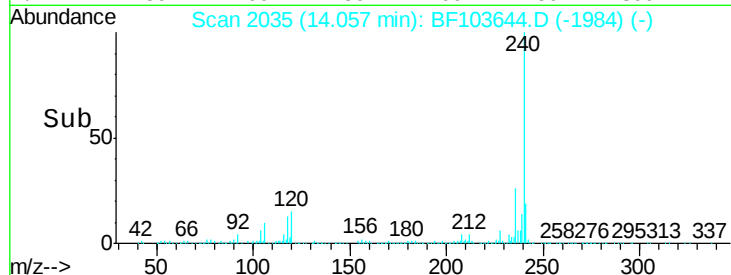
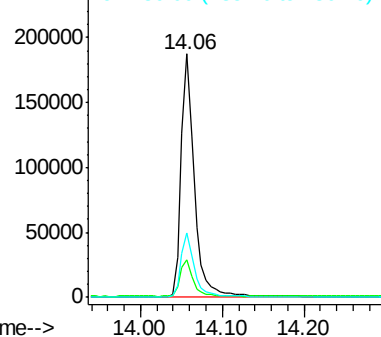


Abundance

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: 4.633 ng

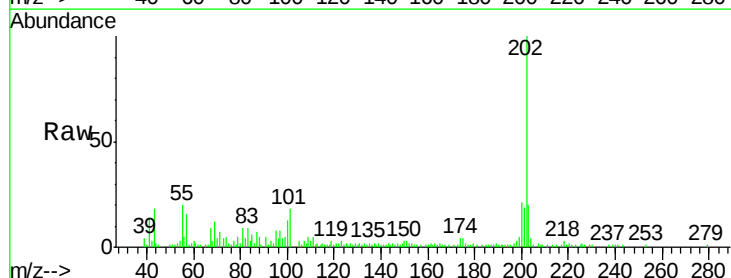
RT: 12.86 min Scan# 1831

Delta R.T. 0.01 min

Lab File: BF103644.D

Acq: 14 Mar 2018 16:51

Tgt Ion	Ratio	Lower	Upper
202	100		
200	21.4	17.4	26.2
203	20.2	14.3	21.5

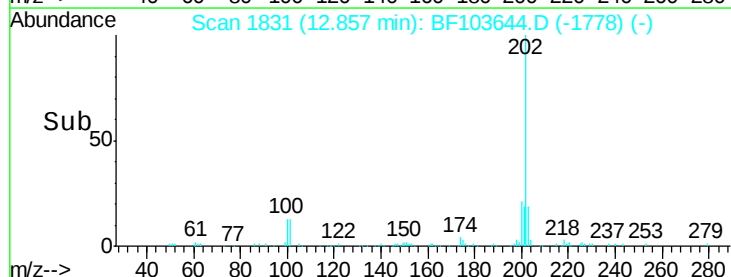
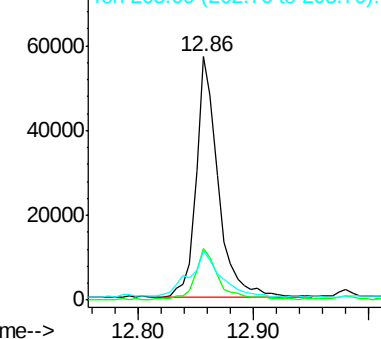


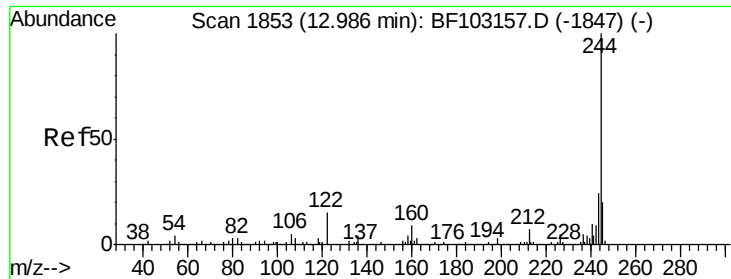
Abundance

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





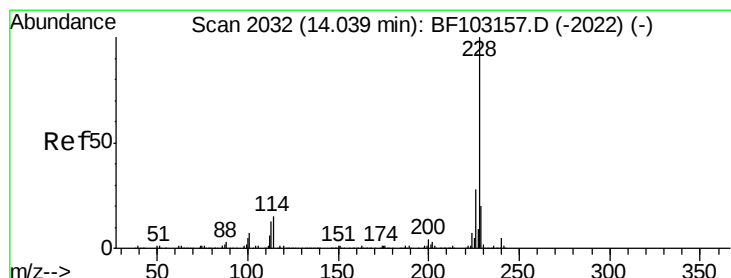
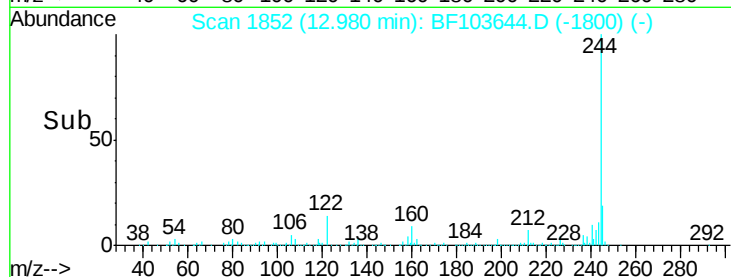
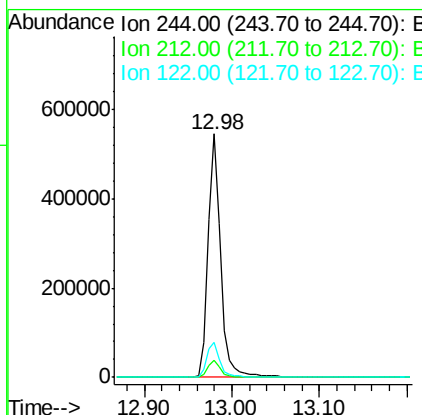
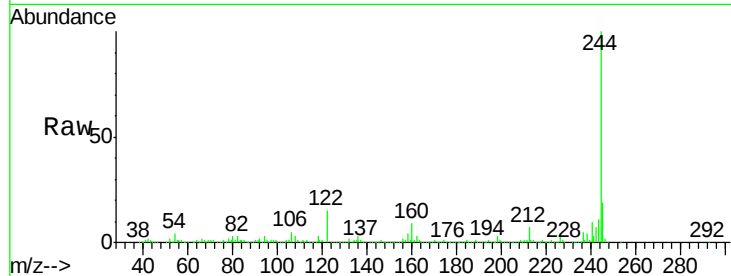
#78
 Terphenyl-d14
 Concen: 63.143 ng
 RT: 12.98 min Scan# 1852
 Delta R.T. 0.01 min
 Lab File: BF103644.D
 Acq: 14 Mar 2018 16:51

Instrument :
 BNA_F
 ClientSampleId :
 BU-02-031318

Tot Ion	Ratio	Lower	Upper
244	100		
212	6.8	5.4	8.0
122	14.6	11.0	16.4

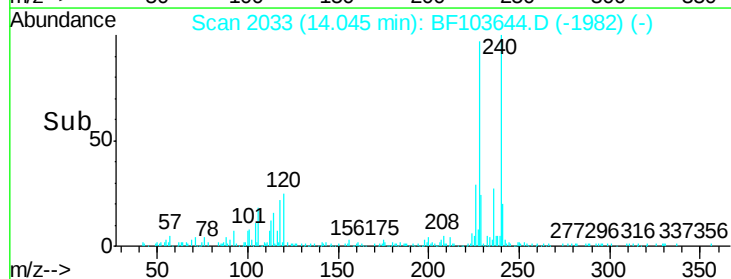
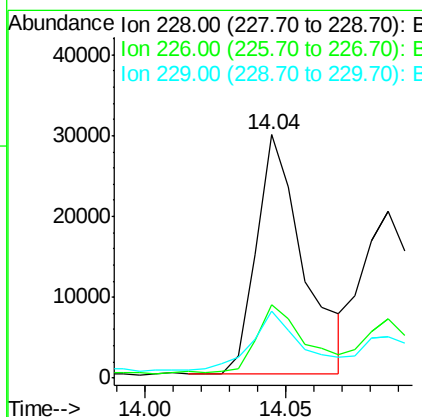
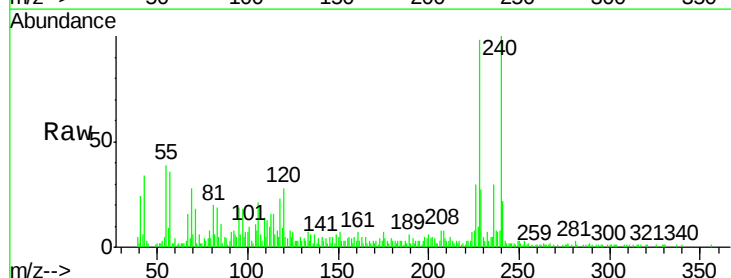
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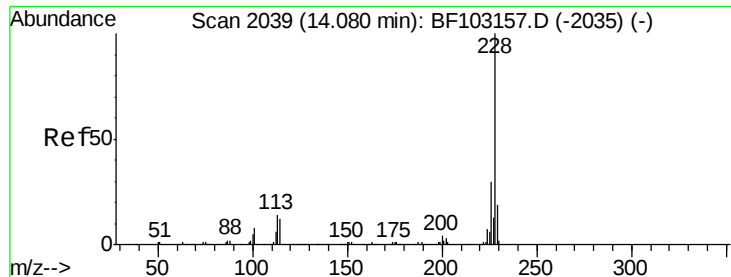
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#80
 Benzo(a)anthracene
 Concen: 2.524 ng
 RT: 14.04 min Scan# 2033
 Delta R.T. -0.00 min
 Lab File: BF103644.D
 Acq: 14 Mar 2018 16:51

Tgt Ion	Ratio	Lower	Upper
228	100		
226	30.4	22.6	33.8
229	27.3	15.8	23.6





#82

Chrysene

Concen: 2.132 ng

RT: 14.09 min Scan# 2040

Delta R.T. 0.01 min

Lab File: BF103644.D

Acq: 14 Mar 2018 16:51

Instrument :

BNA_F

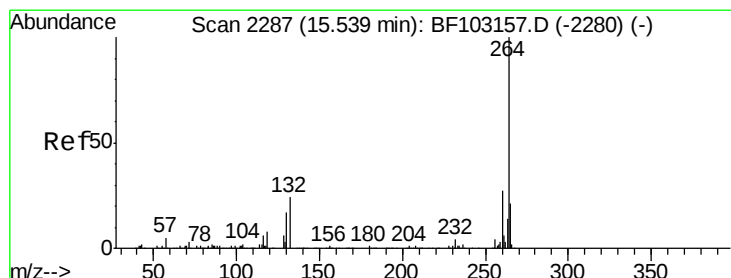
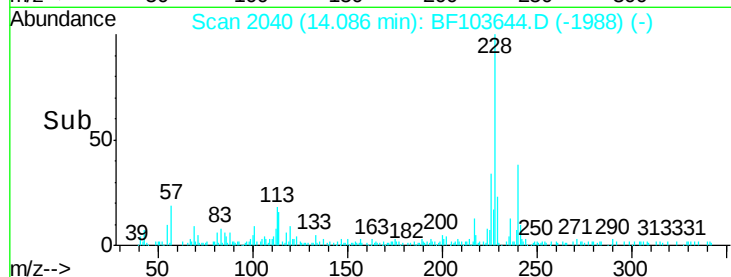
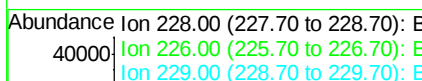
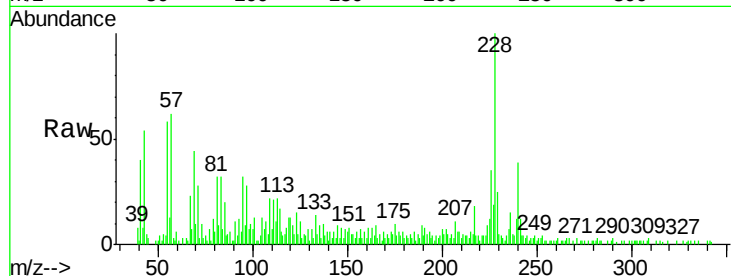
ClientSampleId :

BU-02-031318

Tot Ion:	228	Resp:	28163
Ion Ratio	Lower	Upper	
228	100		
226	35.3	25.0	37.6
229	25.0	16.2	24.4

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#86

Perylene-d12

Concen: 20.000 ng

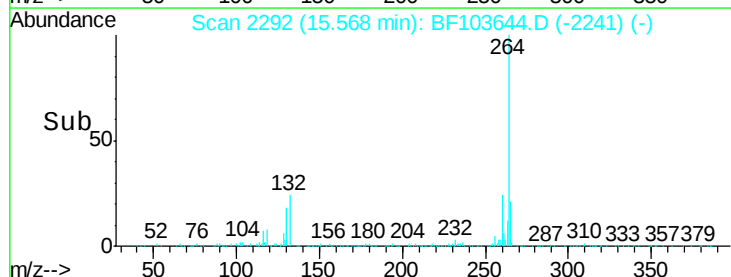
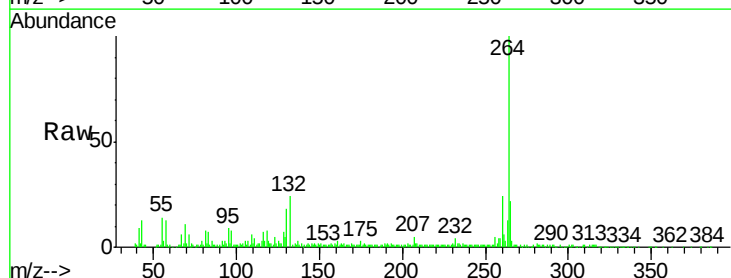
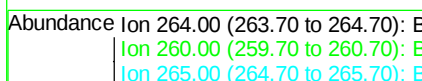
RT: 15.57 min Scan# 2292

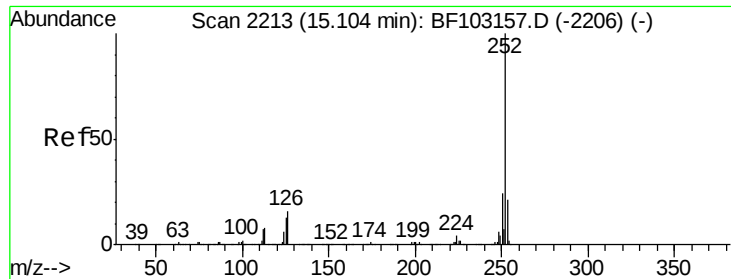
Delta R.T. -0.00 min

Lab File: BF103644.D

Acq: 14 Mar 2018 16:51

Tgt Ion:	264	Resp:	166396
Ion Ratio	Lower	Upper	
264	100		
260	24.2	19.2	28.8
265	21.7	17.5	26.3





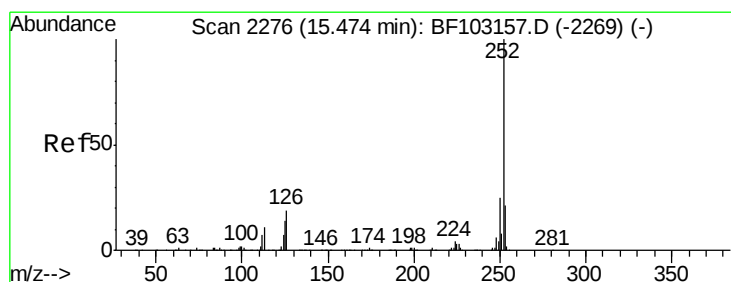
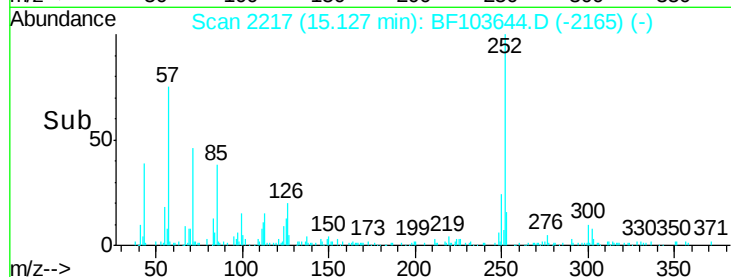
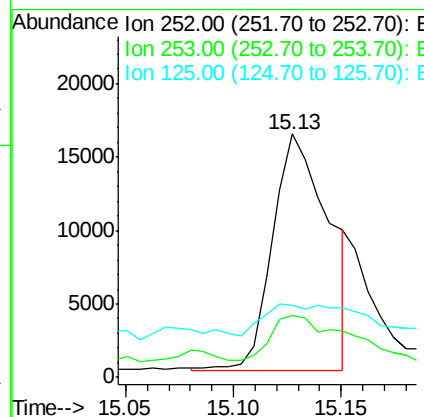
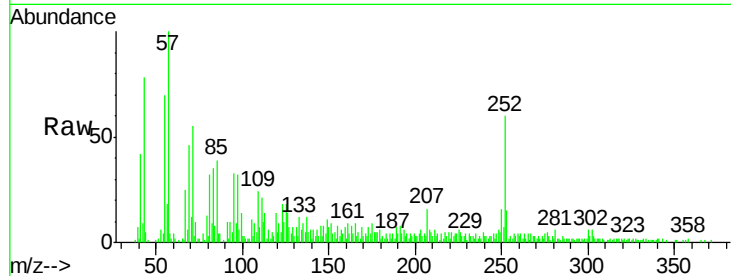
#87
Benzo(b)fluoranthene
Concen: 2.697 ng m
RT: 15.13 min Scan# 2217
Delta R.T. 0.01 min
Lab File: BF103644.D
Acq: 14 Mar 2018 16:51

Instrument :
BNA_F
ClientSampleId :
BU-02-031318

Tot Ion	Ratio	Lower	Upper
252	100		
253	25.3	17.0	25.6
125	29.6	9.0	13.6#

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#89
Benzo(a)pyrene
Concen: 2.004 ng
RT: 15.51 min Scan# 2282
Delta R.T. 0.01 min
Lab File: BF103644.D
Acq: 14 Mar 2018 16:51

Tgt Ion	Ratio	Lower	Upper
252	100		
253	27.0	17.1	25.7#
125	33.6	9.8	14.6#

