

Data Path : Z:\HPCHEM1\BNA F\DATA\BF030218\
 Data File : BF103364.D
 Acq On : 2 Mar 2018 14:10
 Operator : SJ/JU
 Sample : J1402-13
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 PL-01-022818-D

Manual Integrations
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 3/5/2018 3:13:08 PM

Quant Time: Mar 05 10:23:18 2018
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF022218.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Mar 02 13:28:09 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.87	152	167564	20.00	ng	0.00
21) Naphthalene-d8	8.16	136	657233	20.00	ng	0.00
38) Acenaphthene-d10	9.92	164	269523	20.00	ng	0.00
63) Phenanthrene-d10	11.41	188	401178	20.00	ng	0.00
75) Chrysene-d12	14.06	240	263096	20.00	ng	0.00
86) Perylene-d12	15.57	264	236874	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.50	112	1093027	98.66	ng	0.00
7) Phenol-d6	6.52	99	1318453	97.25	ng	0.00
23) Nitrobenzene-d5	7.44	82	800138	69.53	ng	-0.01
41) 2,4,6-Tribromophenol	10.71	330	187945	82.38	ng	0.00
44) 2-Fluorobiphenyl	9.23	172	958459	56.39	ng	0.00
78) Terphenyl-d14	12.99	244	575331	52.57	ng	0.00
Target Compounds						
10) Phenol	6.52	94	55487	3.526	ng	Qvalue # 72
49) Dimethylphthalate	9.63	163	92151	4.262	ng	99
70) Phenanthrene	11.43	178	64670	2.929	ng	97
74) Fluoranthene	12.63	202	137416	6.194	ng	99
77) Pyrene	12.86	202	119561	5.829	ng	98
80) Benzo(a)anthracene	14.05	228	60214	3.527	ng	97
82) Chrysene	14.09	228	70622	4.261	ng	98
85) Indeno(1,2,3-cd)pyrene	17.10	276	30940	2.358	ng	98
87) Benzo(b)fluoranthene	15.13	252	92651m	5.949	ng	
89) Benzo(a)pyrene	15.50	252	56210	4.042	ng	# 92
91) Benzo(g,h,i)perylene	17.57	276	33377	3.178	ng	# 83

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

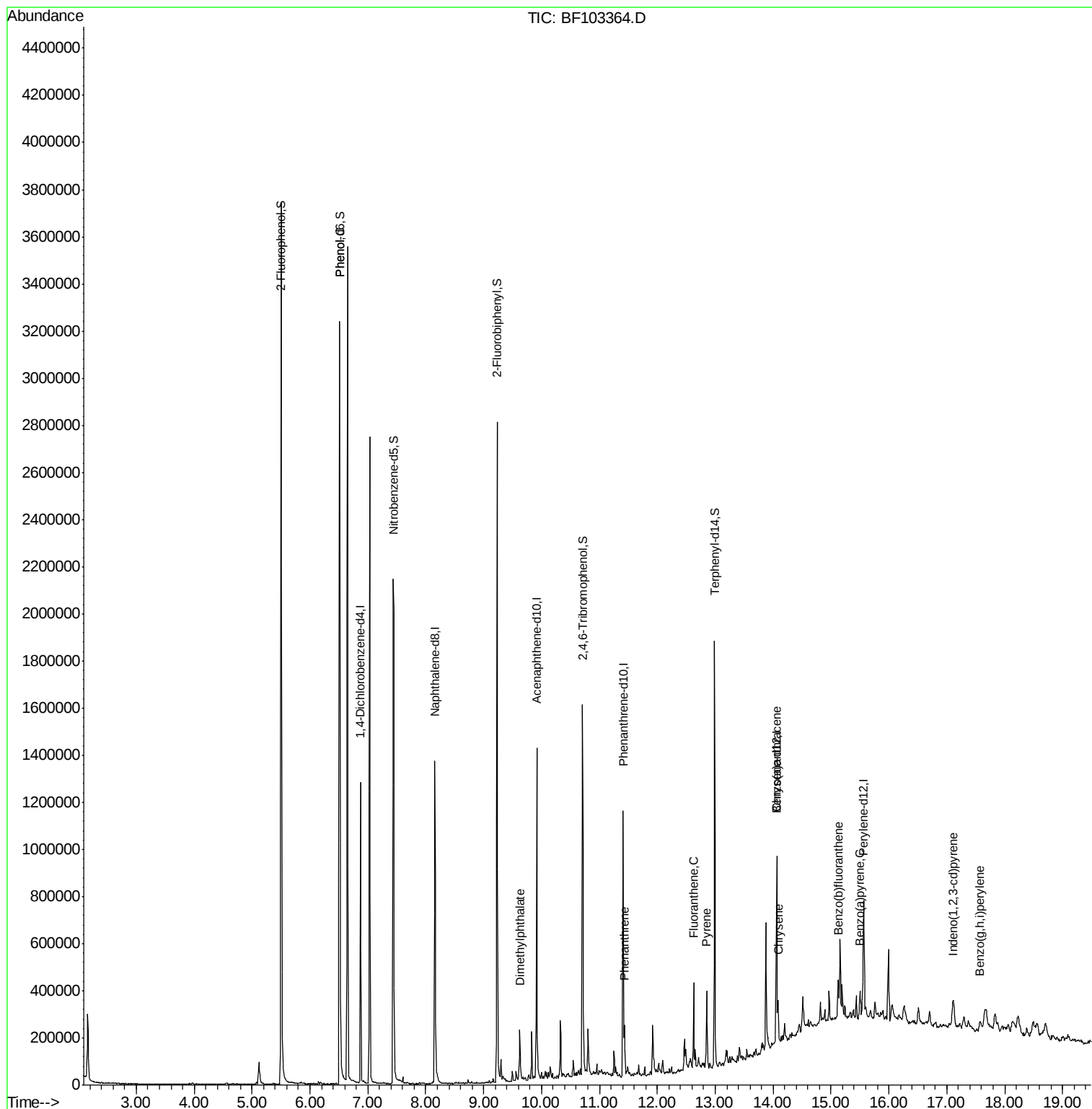
Data Path : Z:\HPCHEM1\BNA F\DATA\BF030218\
Data File : BF103364.D
Acq On : 2 Mar 2018 14:10
Operator : SJ/JU
Sample : J1402-13
Misc :
ALS Vial : 11 Sample Multiplier: 1

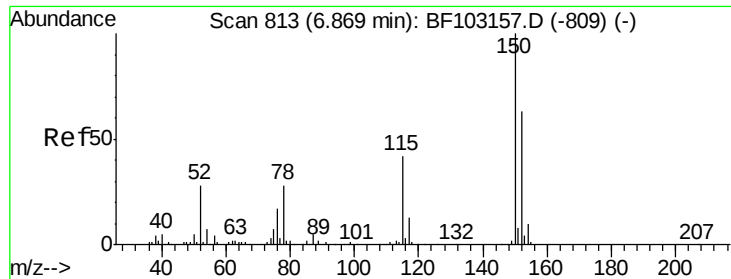
Instrument :
BNA_F
ClientSampleId :
PL-01-022818-D

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#1

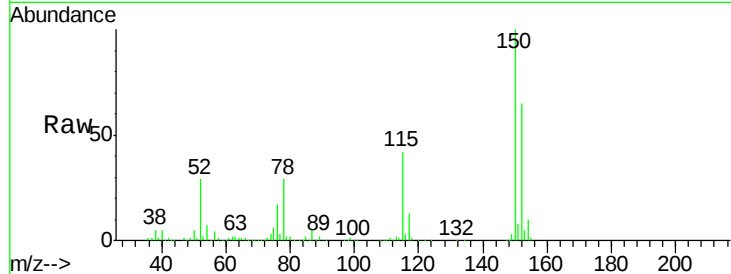
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.87 min Scan# 814
Delta R.T. 0.00 min
Lab File: BF103364.D
Acq: 2 Mar 2018 14:10

Instrument :
BNA_F
ClientSampleId :
PL-01-022818-D

Tot Ion	Ratio	Lower	Upper
152	100		
150	154.4	124.6	186.8
115	65.2	50.1	75.1

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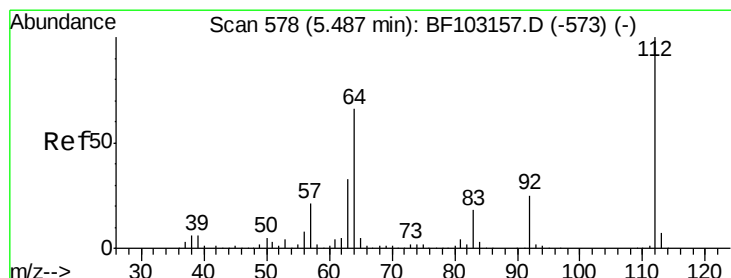
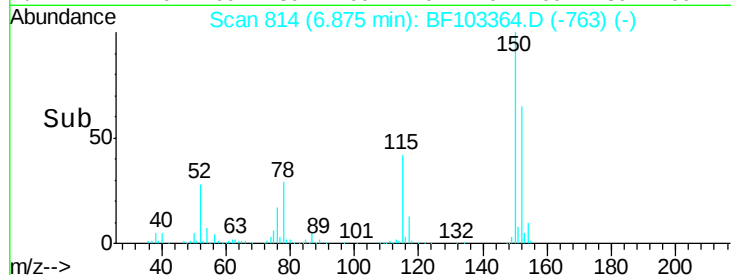
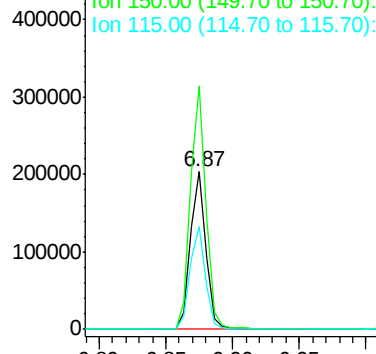


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

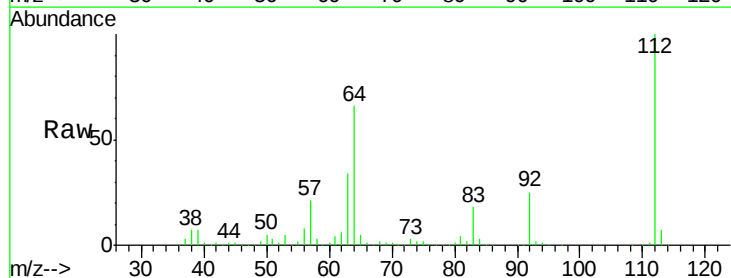
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 98.656 ng
RT: 5.50 min Scan# 581
Delta R.T. 0.01 min
Lab File: BF103364.D
Acq: 2 Mar 2018 14:10

Tgt Ion	Ratio	Lower	Upper
112	100		
64	65.7	47.9	71.9
63	34.3	23.7	35.5

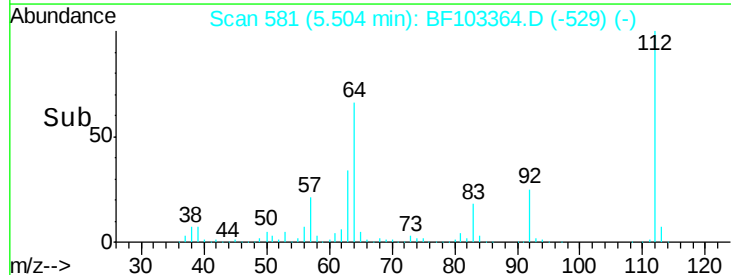
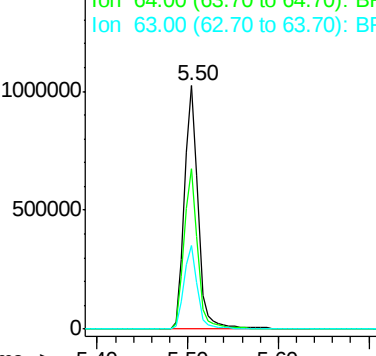


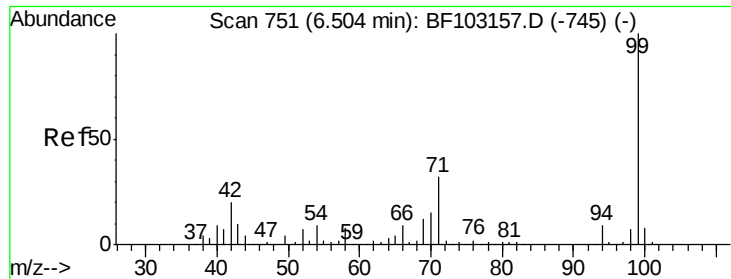
Abundance

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: 97.253 ng

RT: 6.52 min Scan# 753

Delta R.T. 0.00 min

Lab File: BF103364.D

Acq: 2 Mar 2018 14:10

Instrument :

BNA_F

ClientSampleId :

PL-01-022818-D

Tot Ion: 99 Resp: 1318453

Ion Ratio Lower Upper

99 100

42 20.3 14.5 21.7

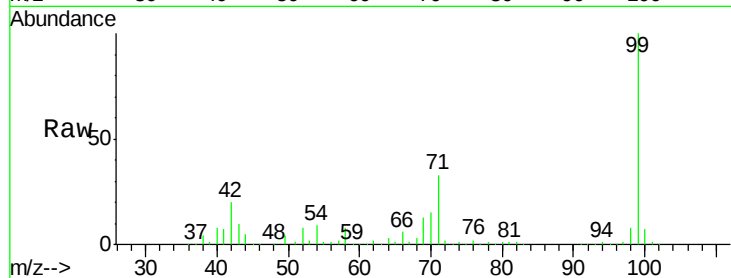
71 32.8 25.4 38.0

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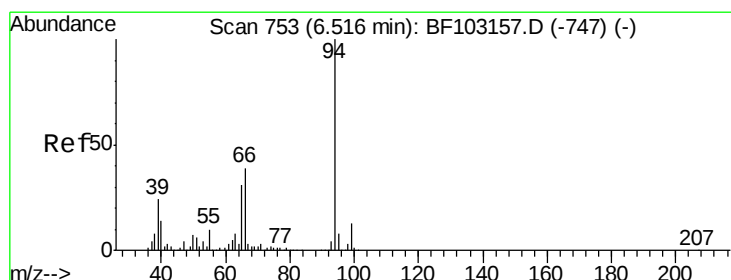
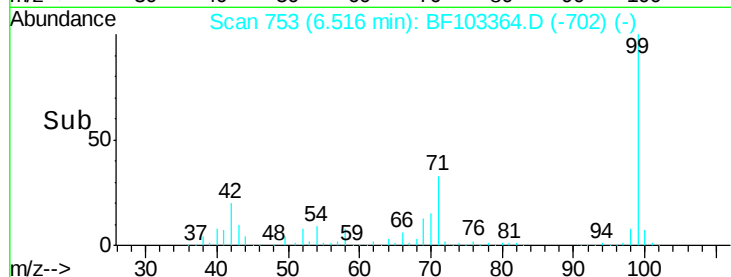
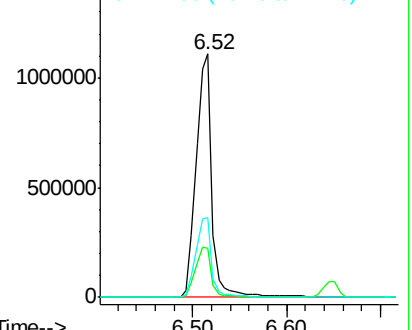
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Abundance Ion 99.00 (98.70 to 99.70): BF1
Ion 42.00 (41.70 to 42.70): BF1
Ion 71.00 (70.70 to 71.70): BF1



#10

Phenol

Concen: 3.526 ng

RT: 6.52 min Scan# 754

Delta R.T. -0.01 min

Lab File: BF103364.D

Acq: 2 Mar 2018 14:10

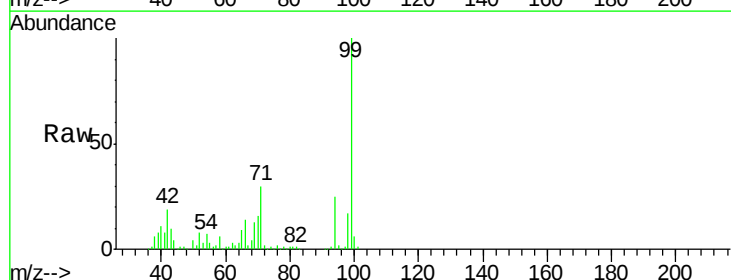
Tgt Ion: 94 Resp: 55487

Ion Ratio Lower Upper

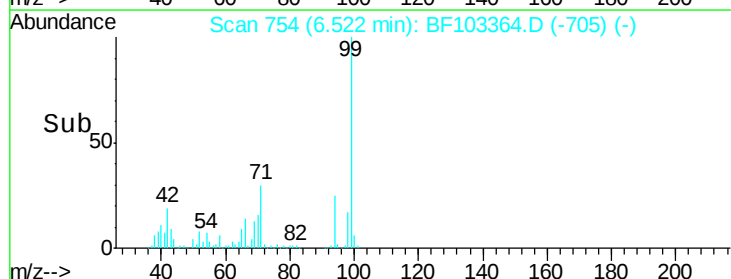
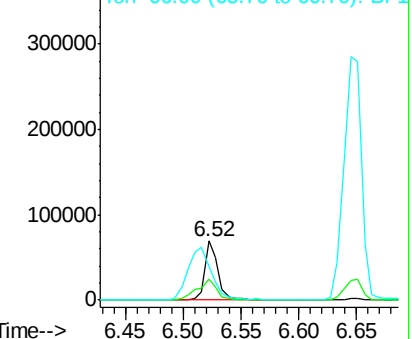
94 100

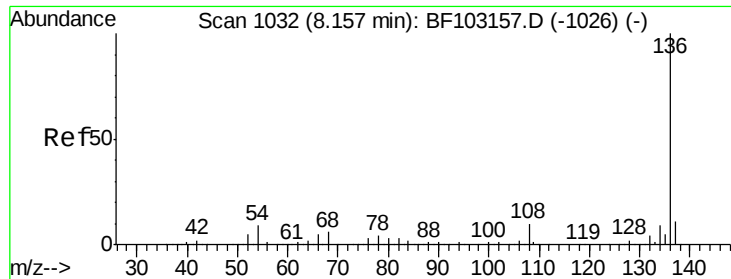
65 36.2 7.9 47.9

66 58.3 16.2 56.2#



Abundance Ion 94.00 (93.70 to 94.70): BF1
Ion 65.00 (64.70 to 65.70): BF1
Ion 66.00 (65.70 to 66.70): BF1





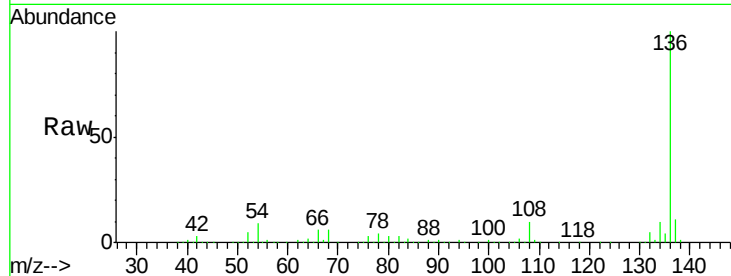
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.16 min Scan# 1032
Delta R.T. -0.01 min
Lab File: BF103364.D
Acq: 2 Mar 2018 14:10

Instrument :
BNA_F
ClientSampleId :
PL-01-022818-D

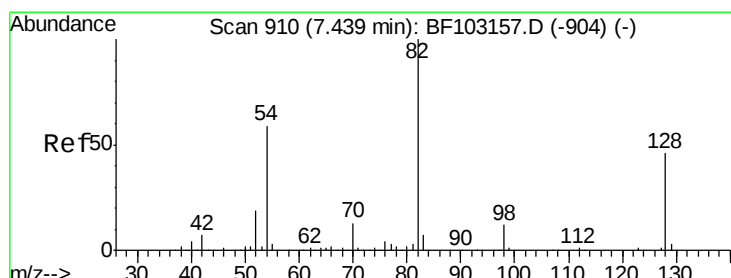
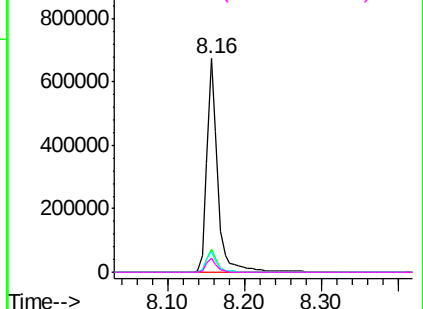
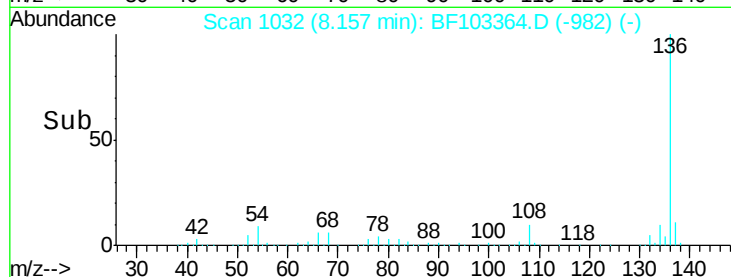
Tot Ion	Ion	Ratio	Resp	Lower	Upper
136	100		657233		
137	11.1		8.9	13.3	
54	9.3		6.6	9.8	
68	6.4		5.0	7.4	

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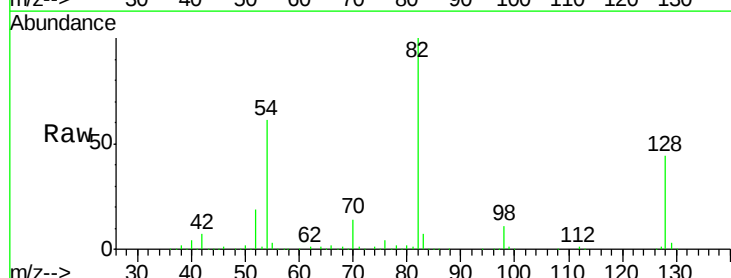


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF1
Ion 68.00 (67.70 to 68.70): BF1

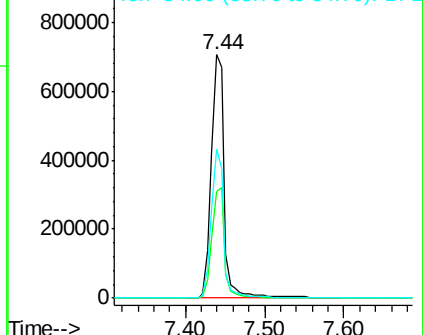
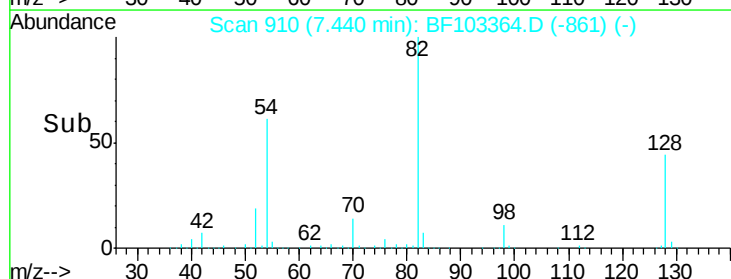


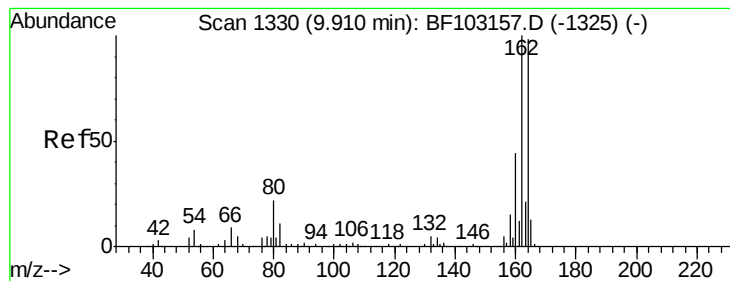
#23
Nitrobenzene-d5
Concen: 69.526 ng
RT: 7.44 min Scan# 910
Delta R.T. -0.01 min
Lab File: BF103364.D
Acq: 2 Mar 2018 14:10

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
82	100		800138		
128	44.0		36.1	54.1	
54	61.2		41.4	62.2	



Abundance Ion 82.00 (81.70 to 82.70): BF1
Ion 128.00 (127.70 to 128.70): E
Ion 54.00 (53.70 to 54.70): BF1





#38

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.92 min Scan# 1331

Delta R.T. -0.01 min

Lab File: BF103364.D

Acq: 2 Mar 2018 14:10

Instrument :

BNA_F

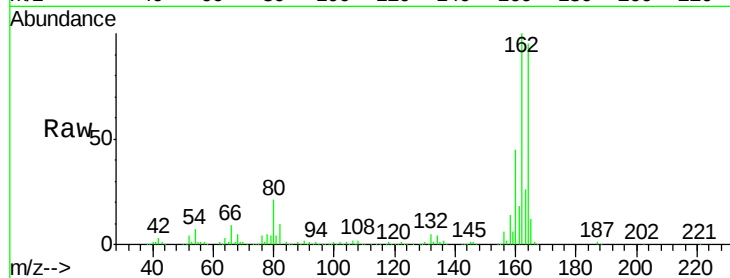
ClientSampleId :

PL-01-022818-D

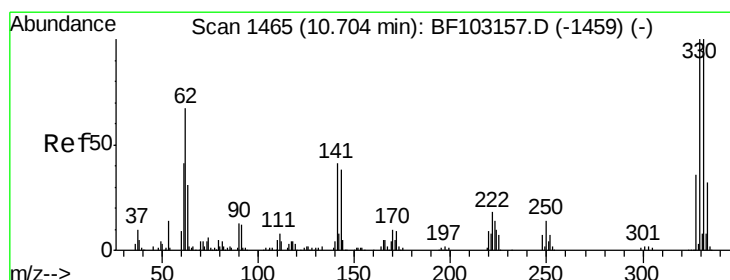
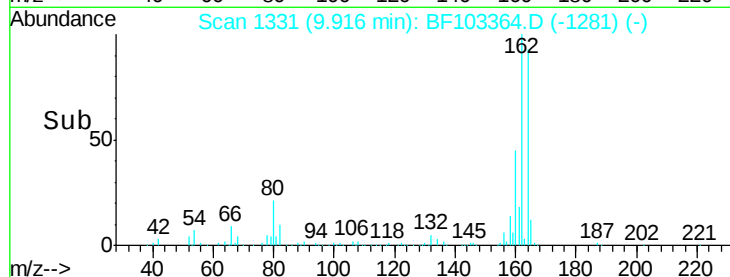
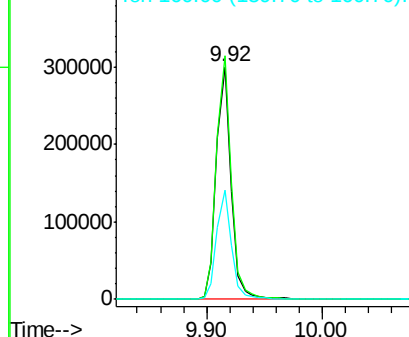
Tot Ion:	164	Resp:	269523
Ion Ratio	Lower	Upper	
164	100		
162	104.8	86.1	129.1
160	47.0	38.3	57.5

Manual Integrations
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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: 82.383 ng

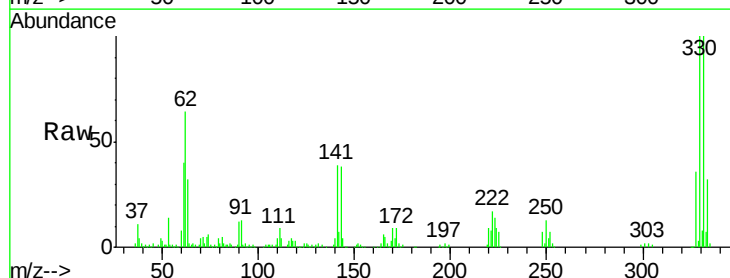
RT: 10.71 min Scan# 1466

Delta R.T. -0.01 min

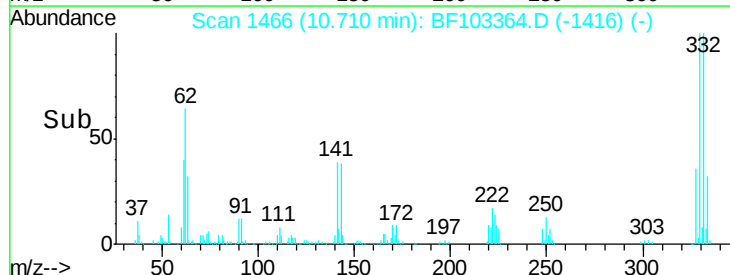
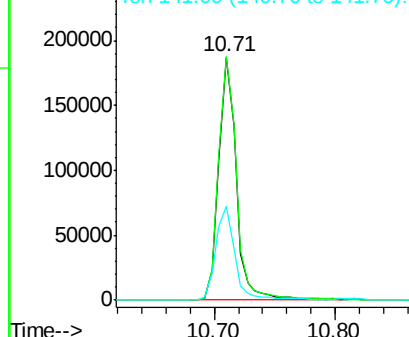
Lab File: BF103364.D

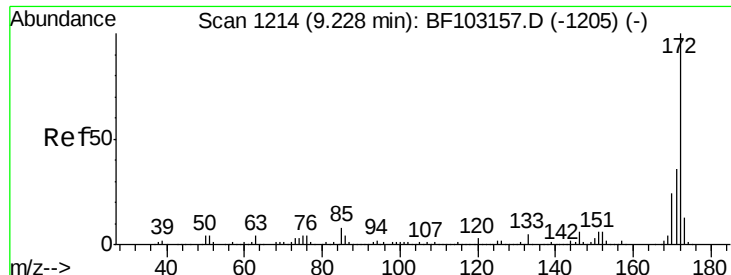
Acq: 2 Mar 2018 14:10

Tgt Ion:	330	Resp:	187945
Ion Ratio	Lower	Upper	
330	100		
332	102.1	77.0	115.6
141	42.1	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





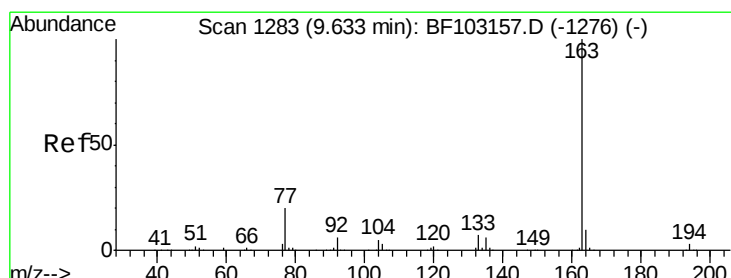
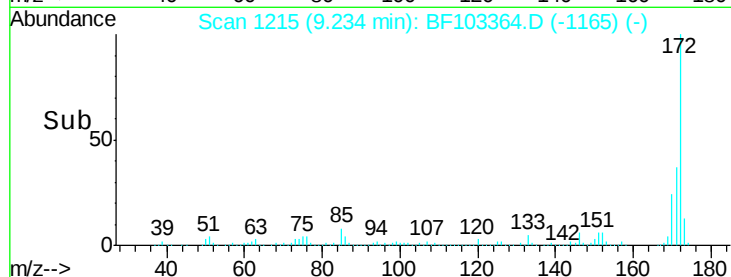
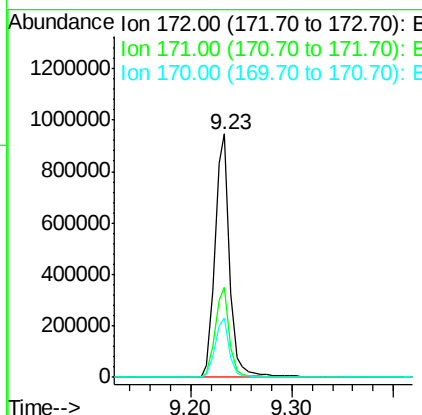
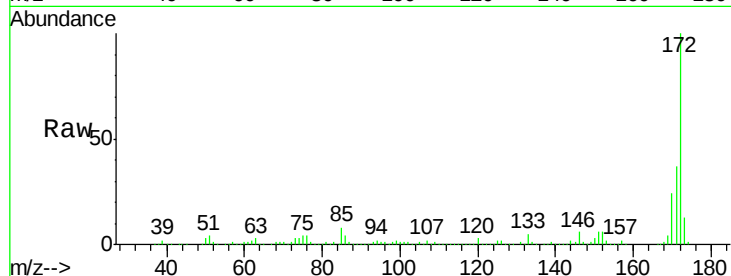
#44
2-Fluorobiphenyl
Concen: 56.390 ng
RT: 9.23 min Scan# 1215
Delta R.T. -0.01 min
Lab File: BF103364.D
Acq: 2 Mar 2018 14:10

Instrument :
BNA_F
ClientSampleId :
PL-01-022818-D

Tot Ion	Ratio	Lower	Upper
172	100		
171	36.8	29.7	44.5
170	24.1	19.6	29.4

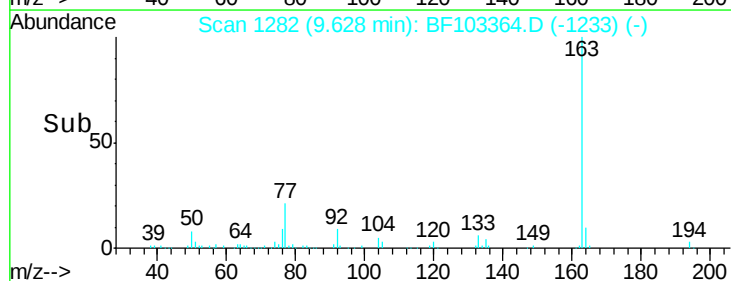
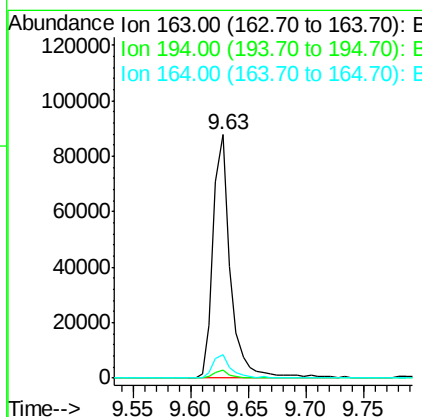
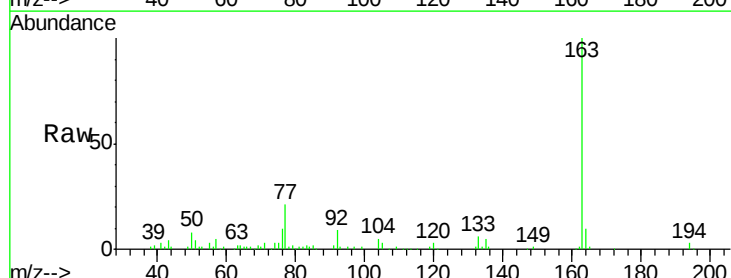
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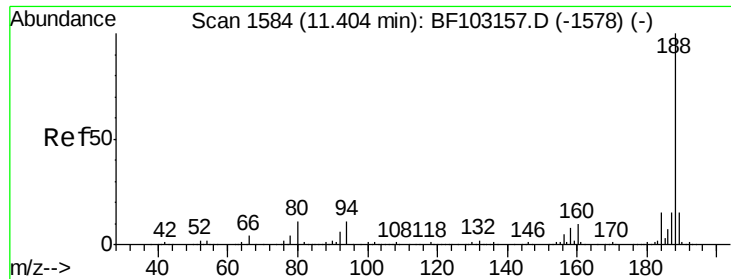
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#49
Dimethylphthalate
Concen: 4.262 ng
RT: 9.63 min Scan# 1282
Delta R.T. -0.01 min
Lab File: BF103364.D
Acq: 2 Mar 2018 14:10

Tgt Ion	Ratio	Lower	Upper
163	100		
194	3.3	2.7	4.1
164	9.6	8.2	12.2





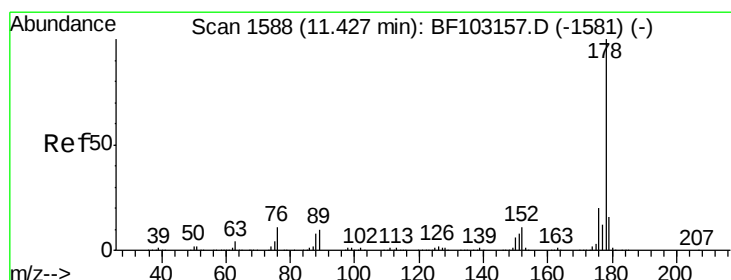
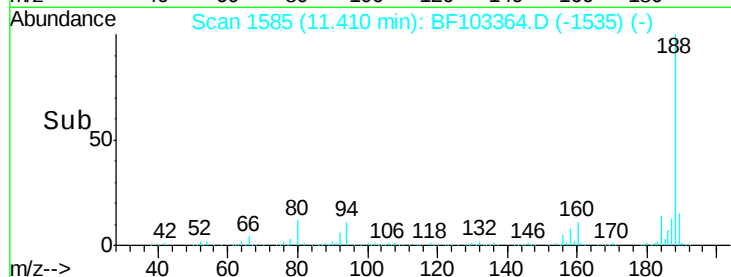
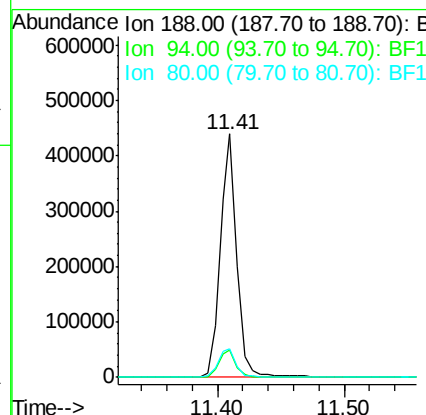
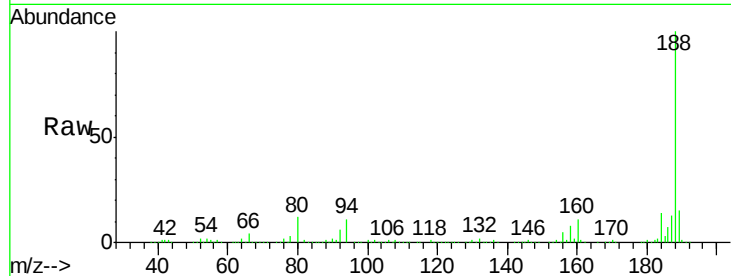
#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.41 min Scan# 1585
Delta R.T. -0.01 min
Lab File: BF103364.D
Acq: 2 Mar 2018 14:10

Instrument :
BNA_F
ClientSampleId :
PL-01-022818-D

Tot Ion	Ratio	Resp	Lower	Upper
188	100	401178		
94	11.1		8.5	12.7
80	11.9		9.2	13.8

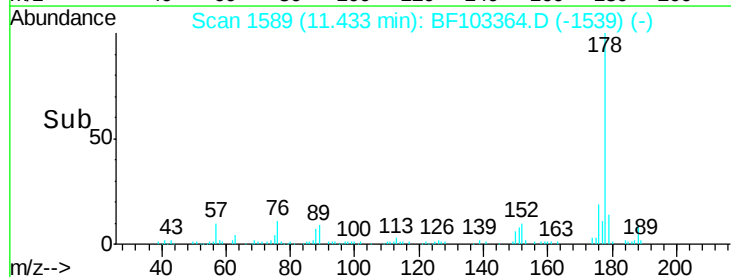
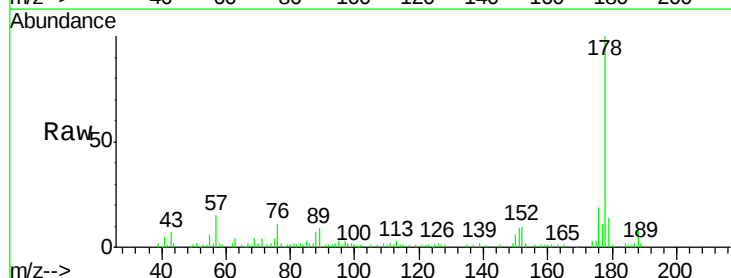
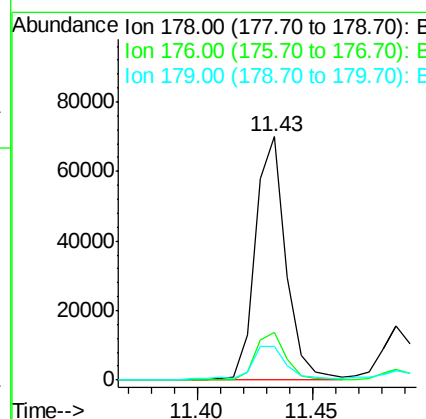
Manual Integrations
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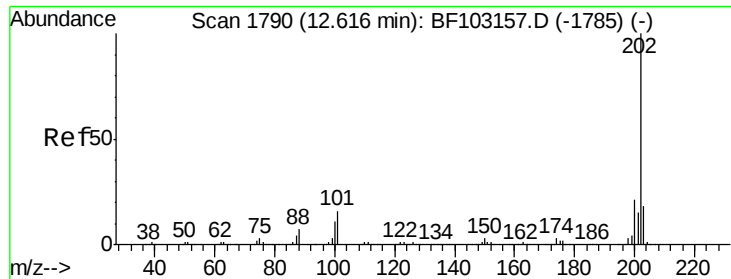
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#70
Phenanthrene
Concen: 2.929 ng
RT: 11.43 min Scan# 1589
Delta R.T. -0.01 min
Lab File: BF103364.D
Acq: 2 Mar 2018 14:10

Tgt Ion	Ratio	Resp	Lower	Upper
178	100	64670		
176	19.4		15.8	23.8
179	14.1		13.0	19.6





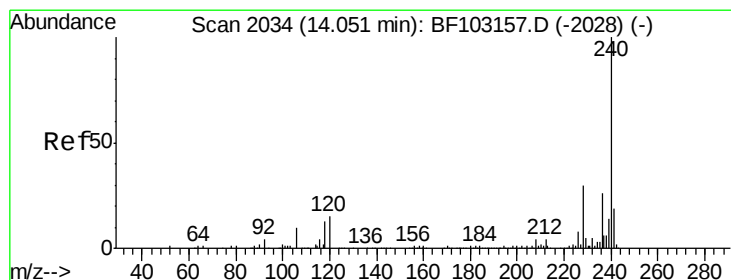
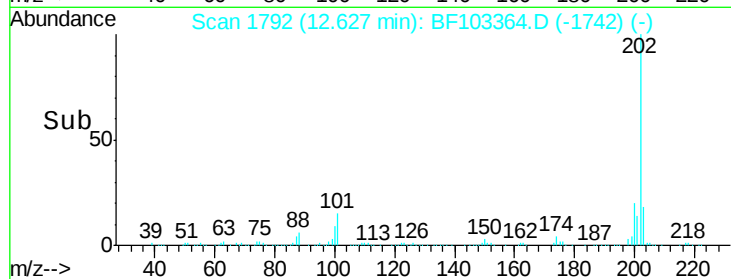
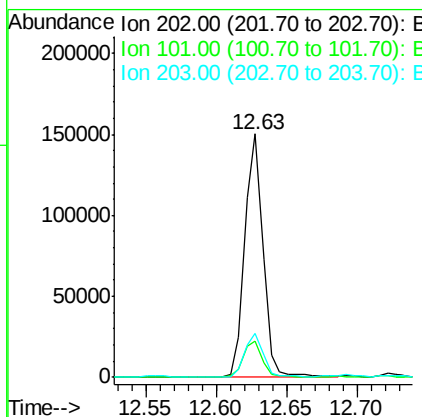
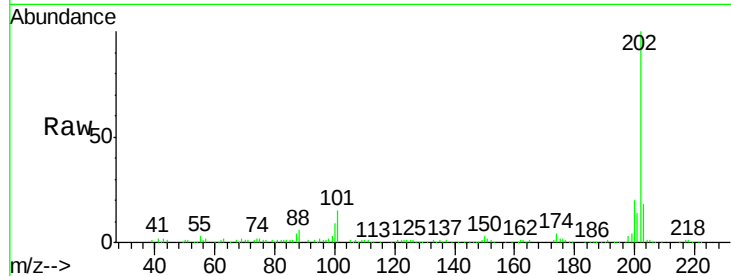
#74
Fluoranthene
Concen: 6.194 ng
RT: 12.63 min Scan# 1792
Delta R.T. -0.01 min
Lab File: BF103364.D
Acq: 2 Mar 2018 14:10

Instrument :
BNA_F
ClientSampleId :
PL-01-022818-D

Tot Ion	Ratio	Resp Lower	Upper
202	100		
101	14.7	0.0	34.1
203	18.0	0.0	38.1

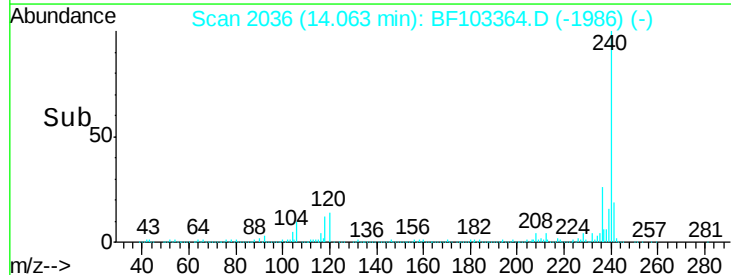
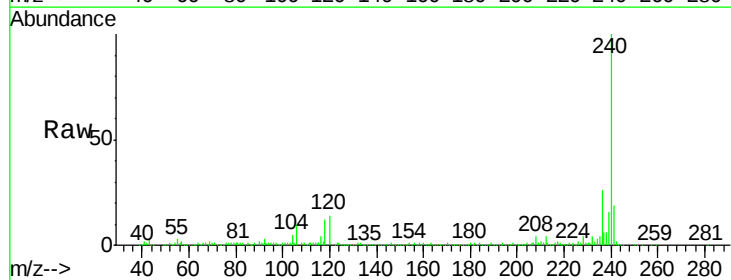
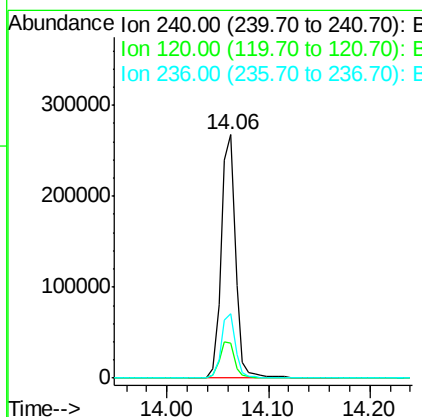
Manual Integrations
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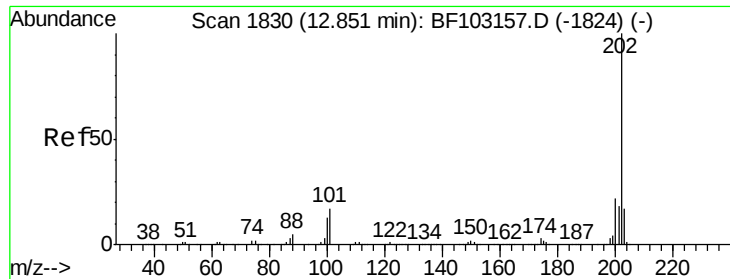
Sohil
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#75
Chrysene-d12
Concen: 20.000 ng
RT: 14.06 min Scan# 2036
Delta R.T. -0.01 min
Lab File: BF103364.D
Acq: 2 Mar 2018 14:10

Tgt Ion	Ratio	Resp Lower	Upper
240	100		
120	14.2	9.5	14.3
236	26.3	20.7	31.1





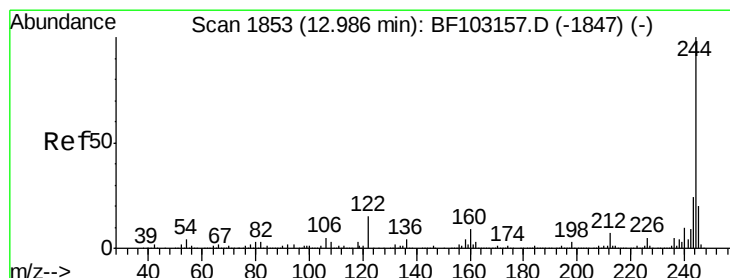
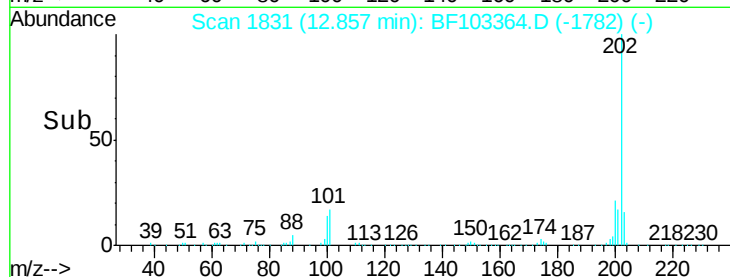
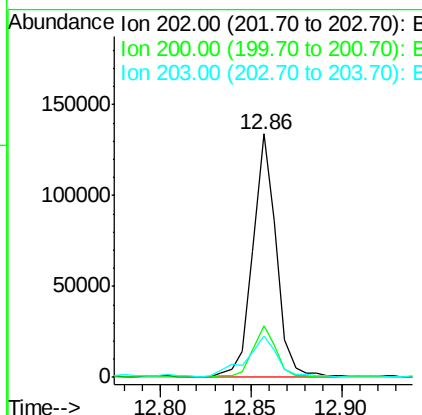
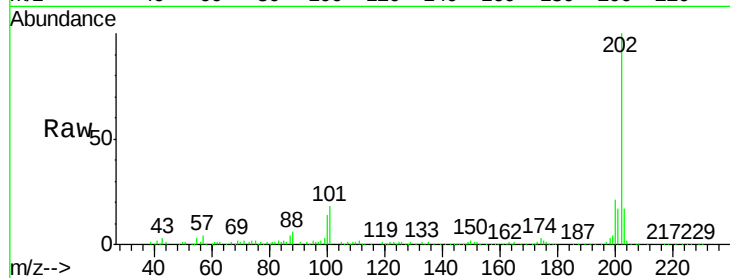
#77
Pvrene
Concen: 5.829 ng
RT: 12.86 min Scan# 1831
Delta R.T. -0.01 min
Lab File: BF103364.D
Acq: 2 Mar 2018 14:10

Instrument :
BNA_F
ClientSampleId :
PL-01-022818-D

Tot Ion	Ratio	Lower	Upper
202	100		
200	21.0	17.4	26.2
203	16.8	14.3	21.5

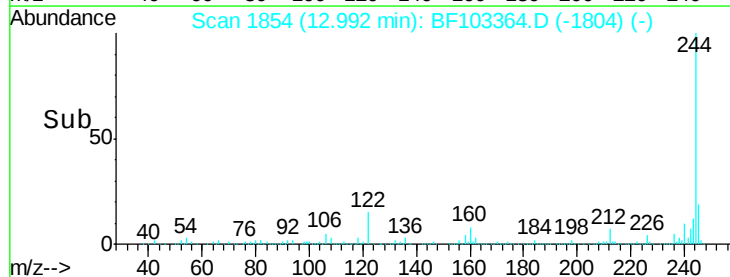
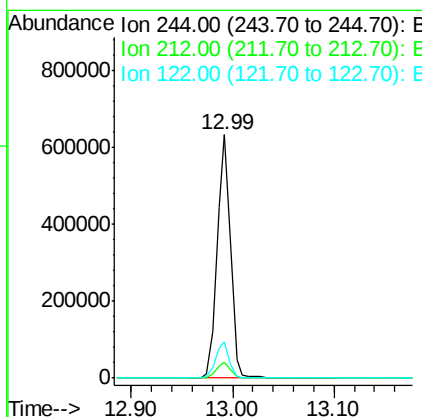
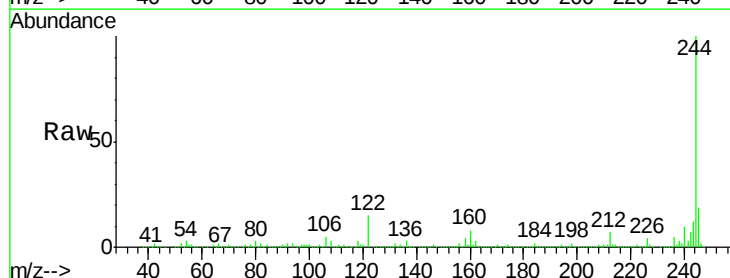
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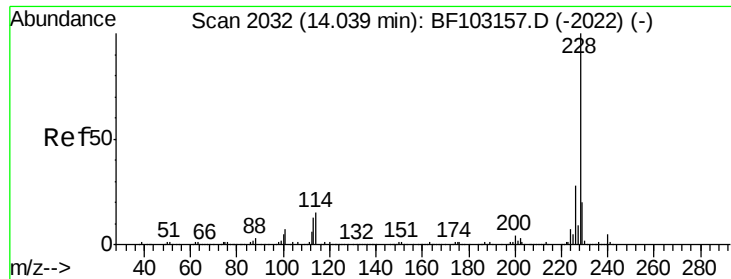
Sohil
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#78
Terphenyl-d14
Concen: 52.567 ng
RT: 12.99 min Scan# 1854
Delta R.T. -0.01 min
Lab File: BF103364.D
Acq: 2 Mar 2018 14:10

Tgt Ion	Ratio	Lower	Upper
244	100		
212	6.7	5.4	8.0
122	14.8	11.0	16.4





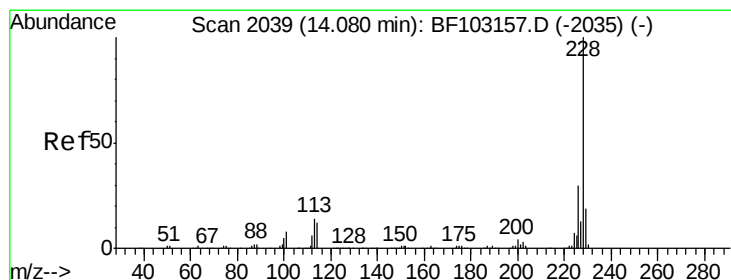
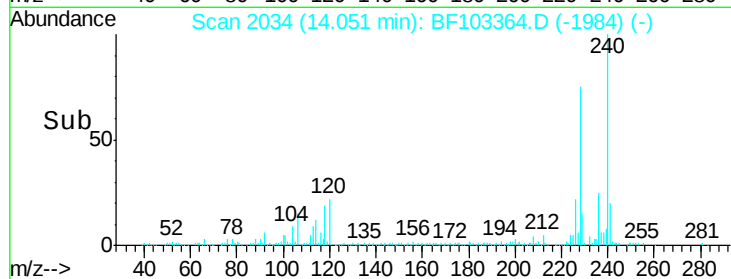
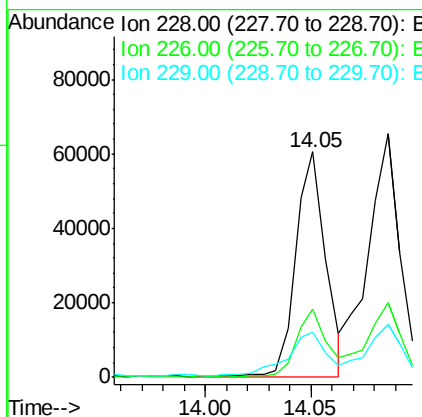
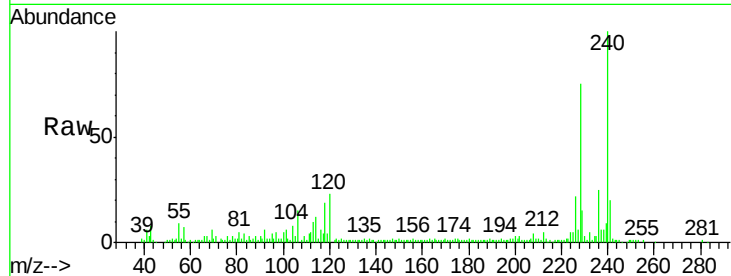
#80
Benzo(a)anthracene
Concen: 3.527 ng
RT: 14.05 min Scan# 2034
Delta R.T. -0.01 min
Lab File: BF103364.D
Acq: 2 Mar 2018 14:10

Instrument :
BNA_F
ClientSampleId :
PL-01-022818-D

Tot Ion	Ratio	Lower	Upper
228	100		
226	30.0	22.6	33.8
229	20.3	15.8	23.6

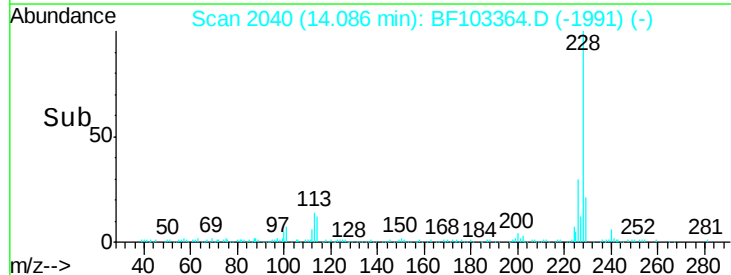
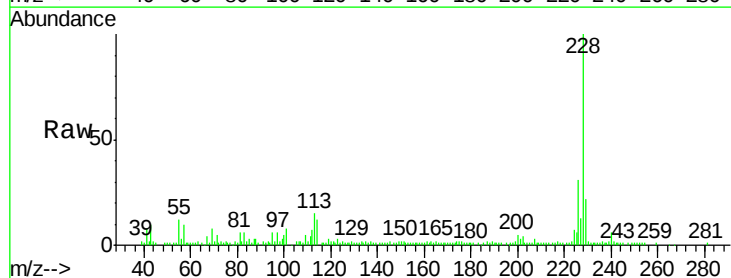
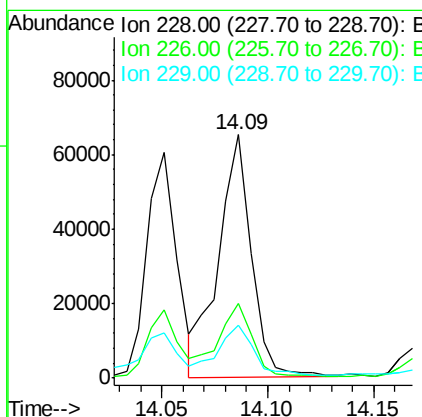
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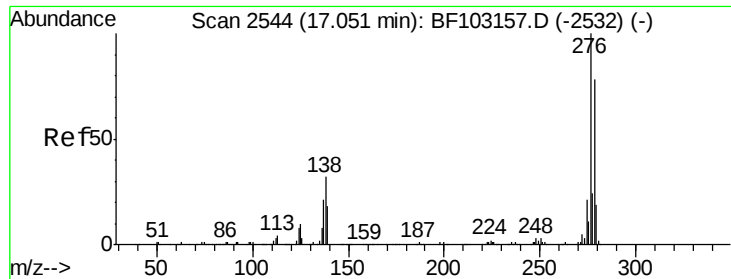
Sohil
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#82
Chrysene
Concen: 4.261 ng
RT: 14.09 min Scan# 2040
Delta R.T. -0.01 min
Lab File: BF103364.D
Acq: 2 Mar 2018 14:10

Tgt Ion	Ratio	Lower	Upper
228	100		
226	30.8	25.0	37.6
229	21.9	16.2	24.4





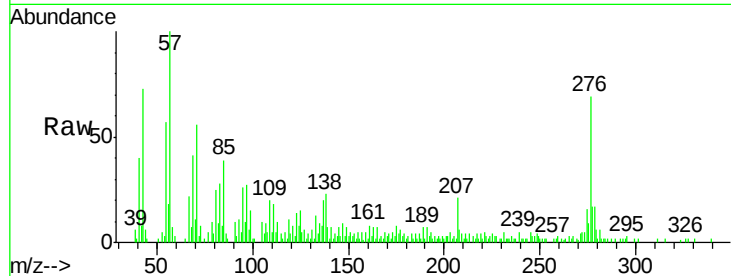
#85
Indeno(1,2,3-cd)pyrene
Concen: 2.358 ng
RT: 17.10 min Scan# 2553
Delta R.T. -0.02 min
Lab File: BF103364.D
Acq: 2 Mar 2018 14:10

Instrument :
BNA_F
ClientSampleId :
PL-01-022818-D

Tot Ion	Ratio	Lower	Upper
276	100		
138	29.9	25.0	37.6
277	24.0	20.1	30.1

Manual Integrations
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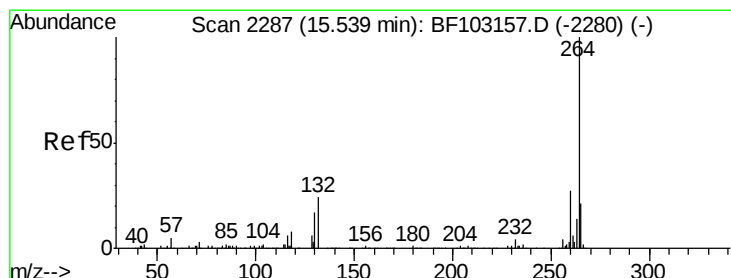
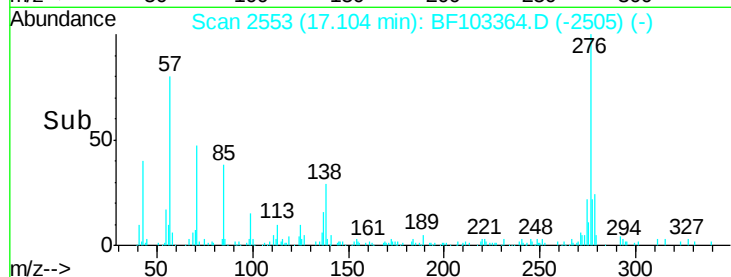
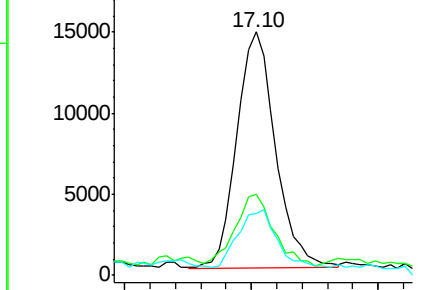


Abundance

Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.57 min Scan# 2292
Delta R.T. 0.00 min
Lab File: BF103364.D
Acq: 2 Mar 2018 14:10

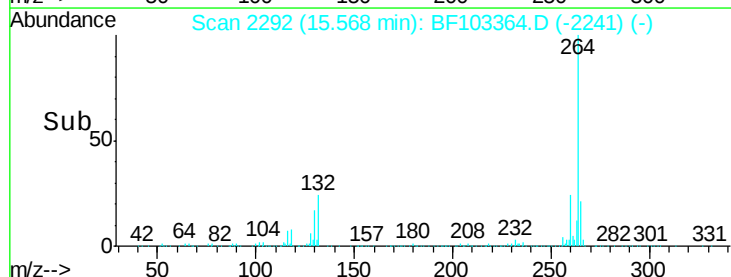
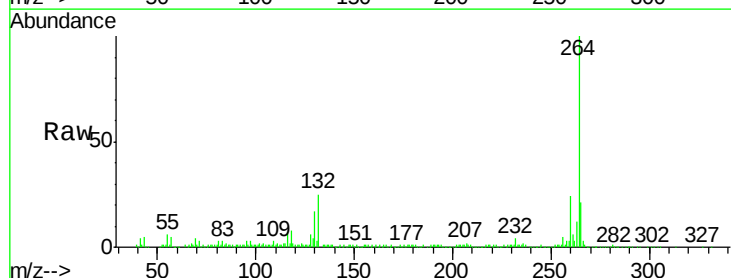
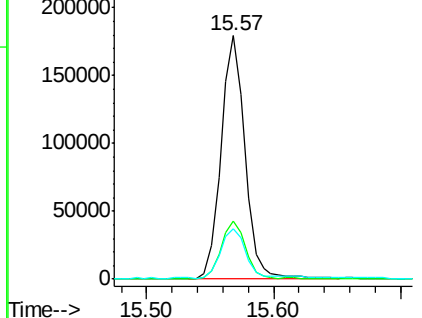
Tgt Ion	Ratio	Lower	Upper
264	100		
260	24.0	19.2	28.8
265	20.9	17.5	26.3

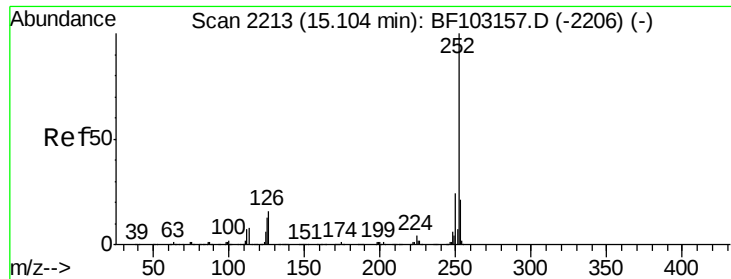
Abundance

Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E





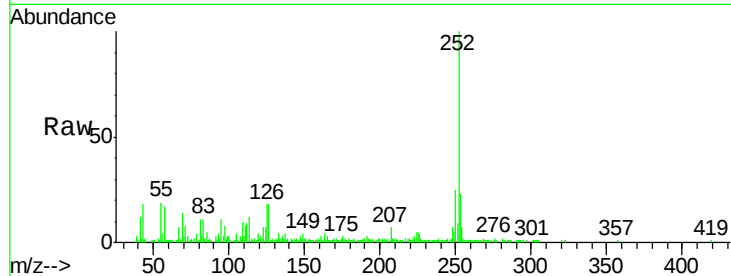
#87
Benzo(b)fluoranthene
Concen: 5.949 ng m
RT: 15.13 min Scan# 2217
Delta R.T. -0.01 min
Lab File: BF103364.D
Acq: 2 Mar 2018 14:10

Instrument :
BNA_F
ClientSampleId :
PL-01-022818-D

Tot Ion	Ratio	Lower	Upper
252	100		
253	22.8	17.0	25.6
125	17.6	9.0	13.6

Manual Integrations
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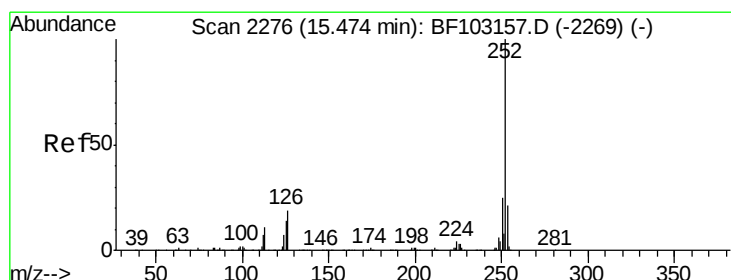
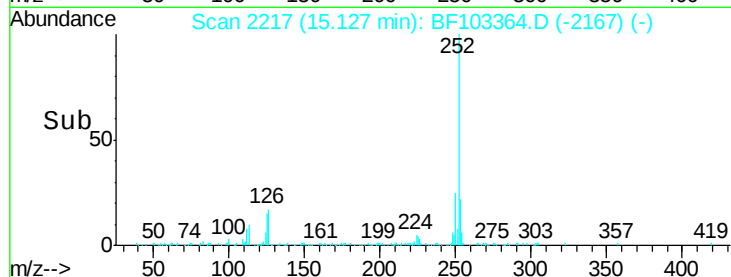
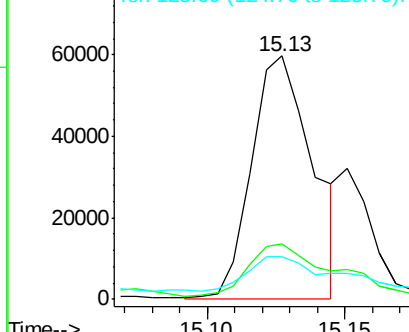


Abundance

Ion 252.00 (251.70 to 252.70): E

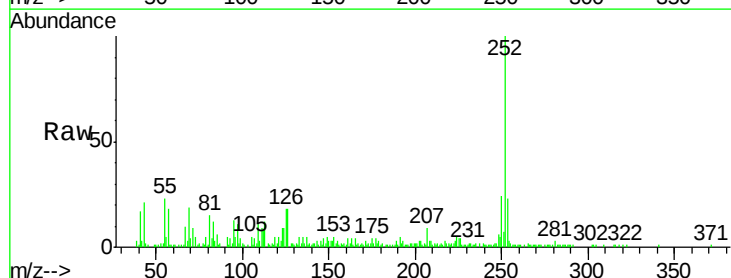
Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



#89
Benzo(a)pyrene
Concen: 4.042 ng
RT: 15.50 min Scan# 2281
Delta R.T. -0.01 min
Lab File: BF103364.D
Acq: 2 Mar 2018 14:10

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.4	17.1	25.7
125	18.2	9.8	14.6

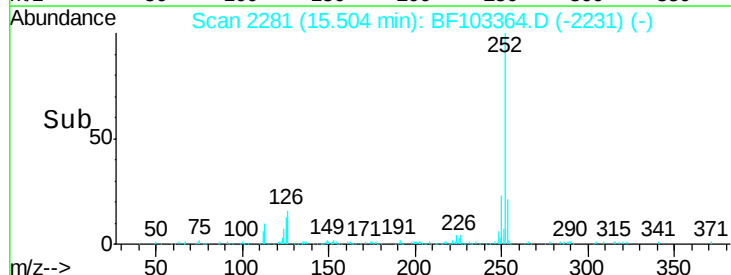
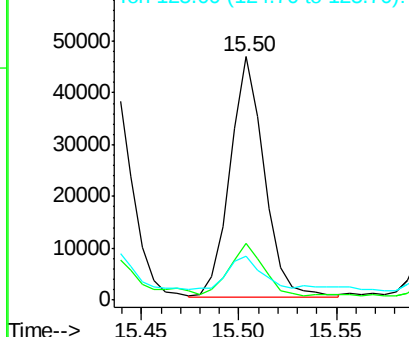


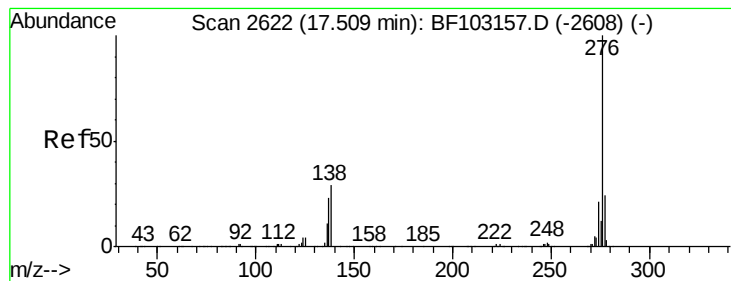
Abundance

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: 3.178 ng
 RT: 17.57 min Scan# 2632
 Delta R.T. -0.01 min
 Lab File: BF103364.D
 Acq: 2 Mar 2018 14:10

Instrument :
 BNA_F
 ClientSampleId :
 PL-01-022818-D

Tot Ion	Ratio	Lower	Upper
276	100		
277	29.0	17.9	26.9#
138	37.3	21.8	32.8#

Manual Integrations
 APPROVED

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