

Data Path : Z:\HPCHEM1\BNA F\DATA\BF121217\
 Data File : BF101344.D
 Acq On : 12 Dec 2017 21:47
 Operator : SJ/JU
 Sample : I6822-11 5X
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SB-8(0-2)

Manual Integrations
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Quant Time: Dec 13 04:10:12 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF113017.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Dec 08 18:17:31 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.82	152	39215	20.00	ng	0.00
21) Naphthalene-d8	8.10	136	142870	20.00	ng	0.00
38) Acenaphthene-d10	9.86	164	56552	20.00	ng	0.00
63) Phenanthrene-d10	11.35	188	101661	20.00	ng	0.00
75) Chrysene-d12	14.00	240	97727	20.00	ng	0.00
86) Perylene-d12	15.49	264	75519	20.00	ng	0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.44	112	56107	23.64	ng	0.00
7) Phenol-d6	6.46	99	68353	23.72	ng	0.00
23) Nitrobenzene-d5	7.39	82	39131	16.34	ng	-0.01
41) 2,4,6-Tribromophenol	10.66	330	13245	19.50	ng	0.00
44) 2-Fluorobiphenyl	9.17	172	77895	18.85	ng	-0.01
78) Terphenyl-d14	12.94	244	69599	15.58	ng	0.00
Target Compounds						
70) Phenanthrene	11.37	178	35182	6.284	ng	99
74) Fluoranthene	12.57	202	73781	11.889	ng	95
77) Pyrene	12.80	202	75656	11.219	ng	98
80) Benzo(a)anthracene	13.99	228	43274	7.013	ng	99
82) Chrysene	14.03	228	38360	6.694	ng	97
85) Indeno(1,2,3-cd)pyrene	16.97	276	17929	3.519	ng	# 89
87) Benzo(b)fluoranthene	15.05	252	43885m	9.702	ng	
88) Benzo(k)fluoranthene	15.07	252	13230m	2.969	ng	
89) Benzo(a)pyrene	15.42	252	30578	7.436	ng	99
91) Benzo(g,h,i)perylene	17.43	276	17982	5.263	ng	# 90

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

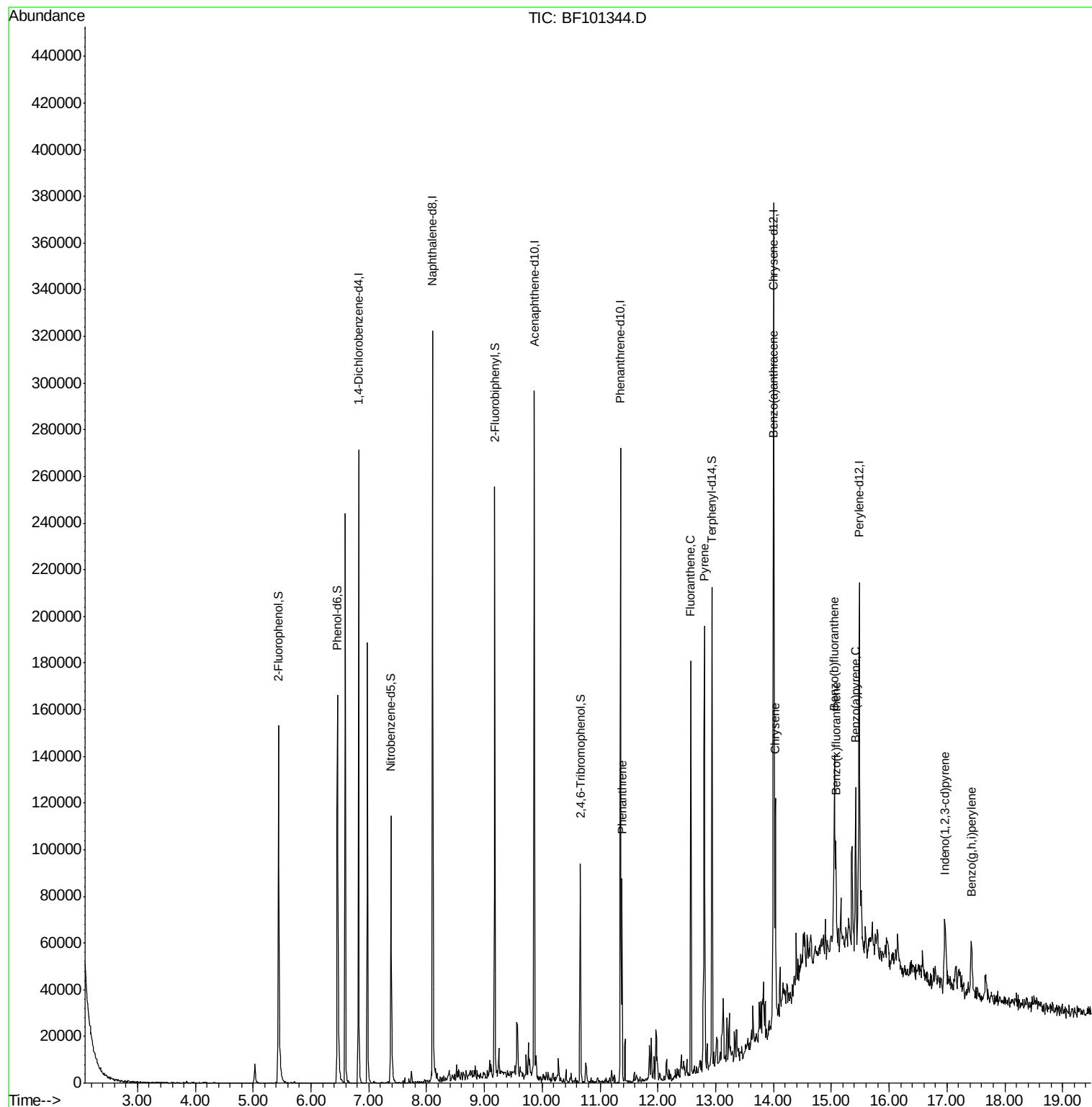
Data Path : Z:\HPCHEM1\BNA F\DATA\BF121217\
Data File : BF101344.D
Acq On : 12 Dec 2017 21:47
Operator : SJ/JU
Sample : I6822-11 5X
Misc :
ALS Vial : 19 Sample Multiplier: 1

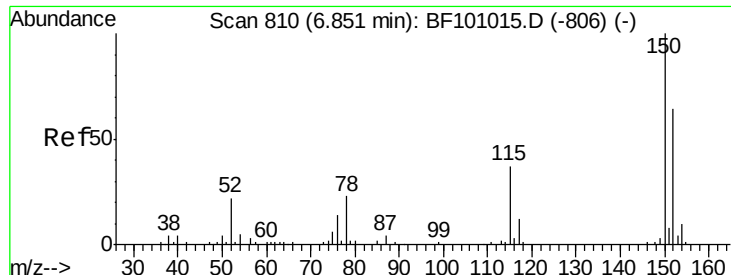
Instrument :
BNA_F
ClientSampleId :
SB-8(0-2)

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#1

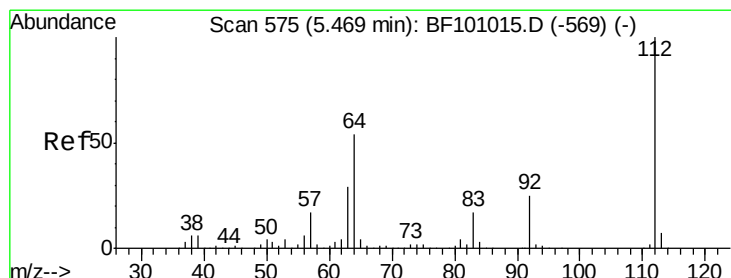
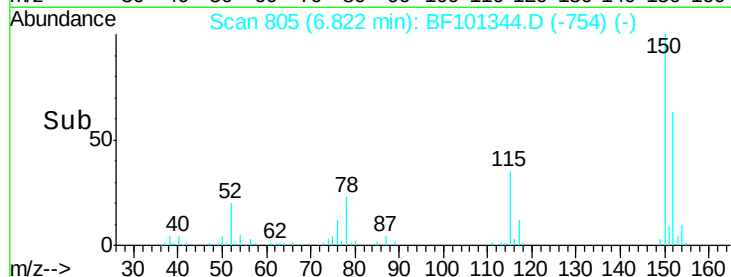
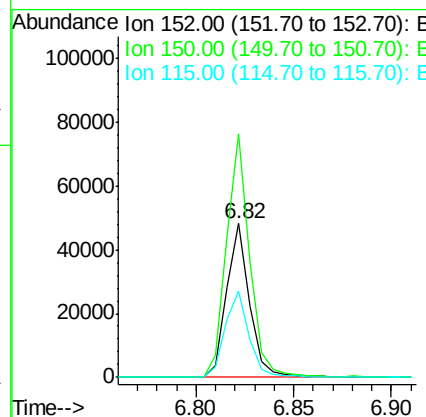
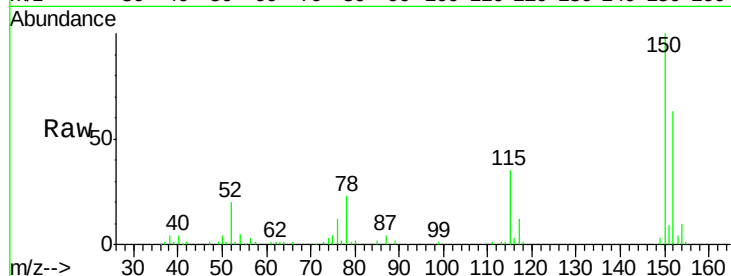
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.82 min Scan# 805
Delta R.T. 0.00 min
Lab File: BF101344.D
Acq: 12 Dec 2017 21:47

Instrument :
BNA_F
ClientSampled :
SB-8(0-2)

Tot Ion	Ratio	Lower	Upper
152	100		
150	158.3	124.6	186.8
115	56.2	50.1	75.1

Manual Integrations
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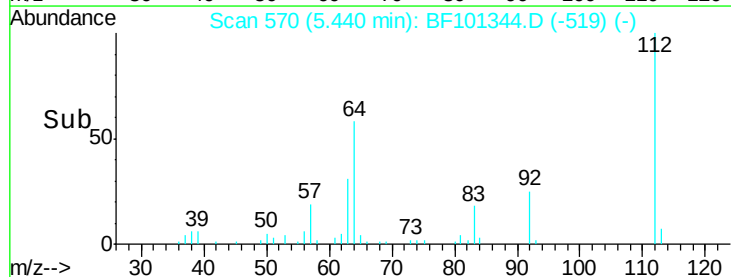
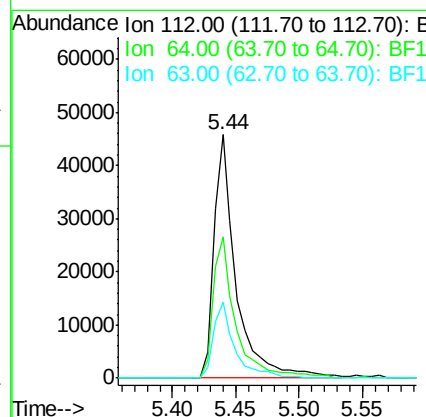
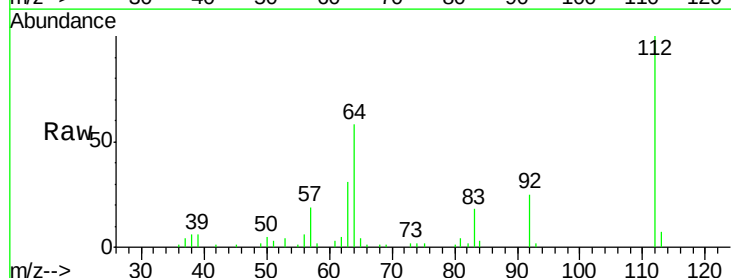
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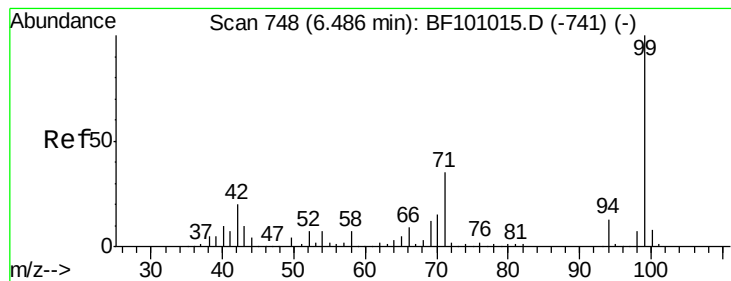


#5

2-Fluorophenol
Concen: 23.642 ng
RT: 5.44 min Scan# 570
Delta R.T. 0.00 min
Lab File: BF101344.D
Acq: 12 Dec 2017 21:47

Tgt Ion	Ratio	Lower	Upper
112	100		
64	58.1	47.9	71.9
63	31.0	23.7	35.5





#7

Phenol-d6

Concen: 23.723 ng

RT: 6.46 min Scan# 743

Delta R.T. -0.01 min

Lab File: BF101344.D

Acq: 12 Dec 2017 21:47

Instrument :

BNA_F

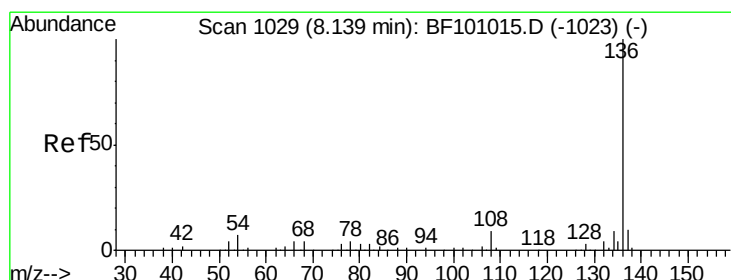
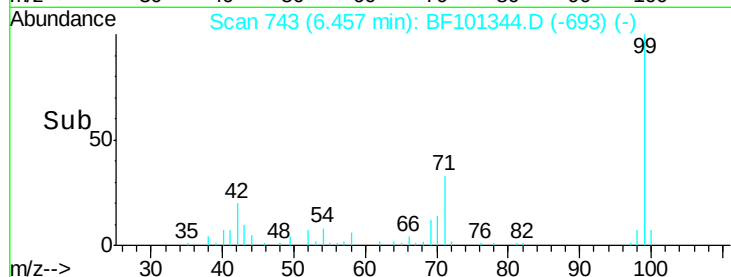
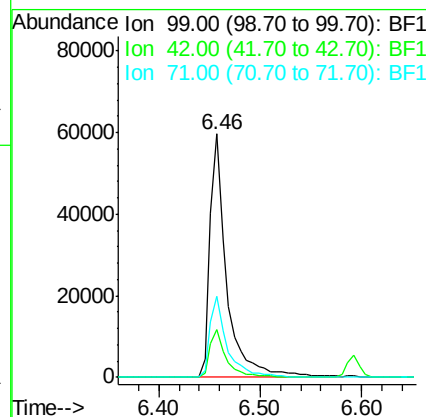
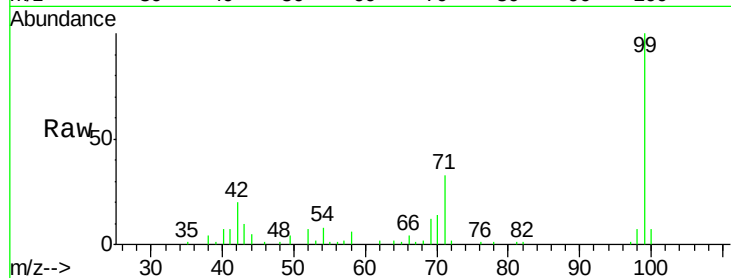
ClientSampleId :

SB-8(0-2)

Tot Ion:	99	Resp:	68353
Ion	Ratio	Lower	Upper
99	100		
42	19.5	14.5	21.7
71	33.2	25.4	38.0

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#21

Naphthalene-d8

Concen: 20.000 ng

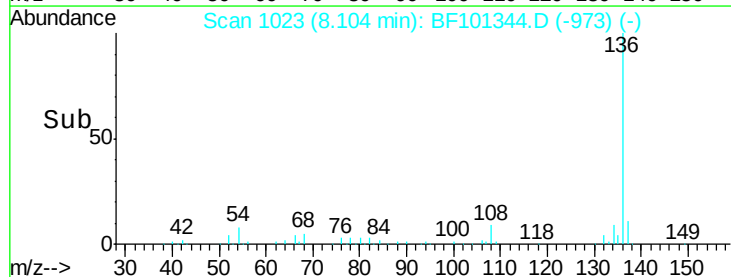
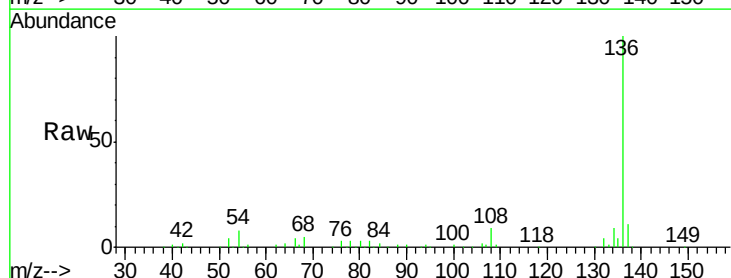
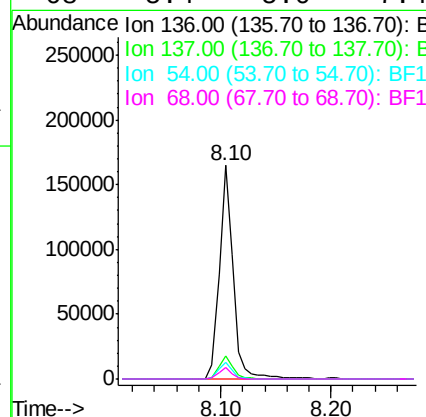
RT: 8.10 min Scan# 1023

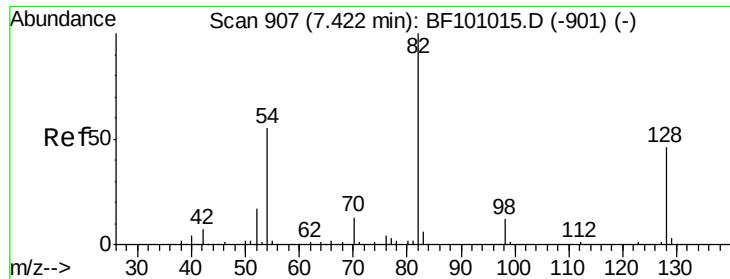
Delta R.T. -0.01 min

Lab File: BF101344.D

Acq: 12 Dec 2017 21:47

Tgt Ion:	136	Resp:	142870
Ion	Ratio	Lower	Upper
136	100		
137	10.8	8.9	13.3
54	7.8	6.6	9.8
68	5.4	5.0	7.4





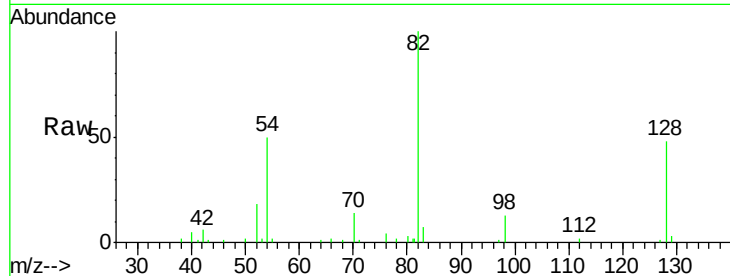
#23
 Nitrobenzene-d5
 Concen: 16.339 ng
 RT: 7.39 min Scan# 901
 Delta R.T. -0.01 min
 Lab File: BF101344.D
 Acq: 12 Dec 2017 21:47

Instrument :
 BNA_F
 ClientSampled :
 SB-8(0-2)

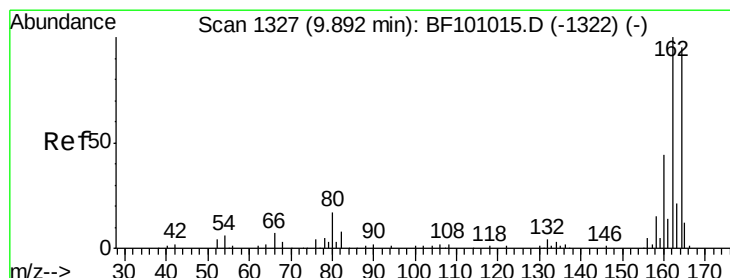
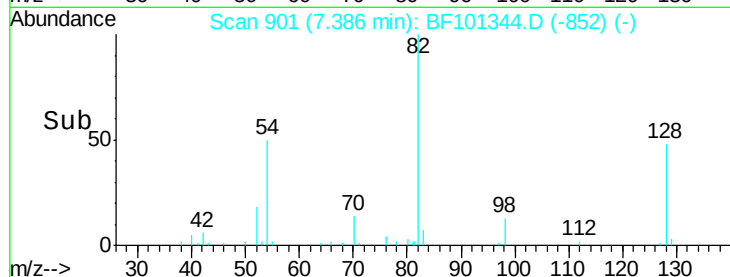
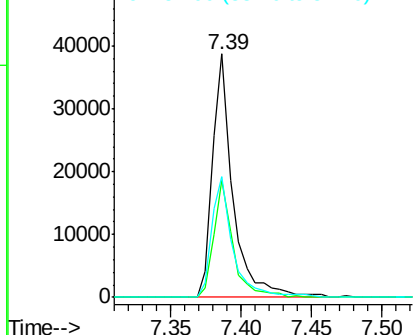
Tot Ion	82	Resp	39131
Ion Ratio	100	Lower	Upper
128	48.0	36.1	54.1
54	49.8	41.4	62.2

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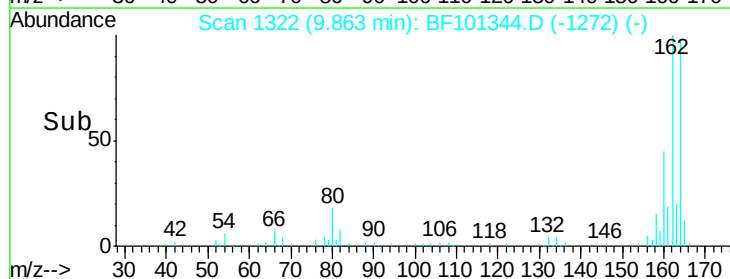
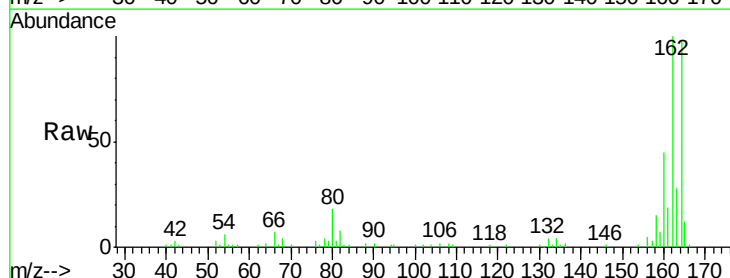
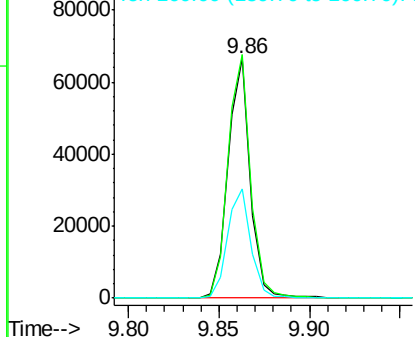
Abundance Ion 82.00 (81.70 to 82.70): BF1
 Ion 128.00 (127.70 to 128.70): BF1
 Ion 54.00 (53.70 to 54.70): BF1

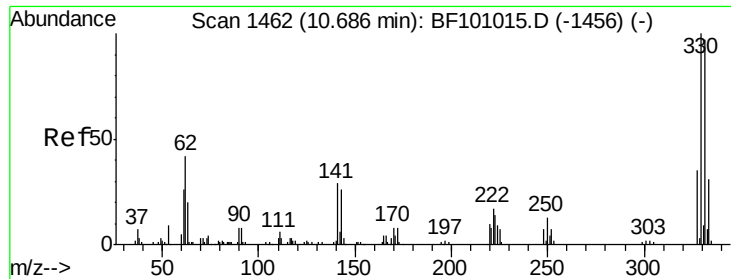


#38
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.86 min Scan# 1322
 Delta R.T. -0.01 min
 Lab File: BF101344.D
 Acq: 12 Dec 2017 21:47

Tgt Ion	164	Resp	56552
Ion Ratio	100	Lower	Upper
162	101.7	86.1	129.1
160	45.7	38.3	57.5

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





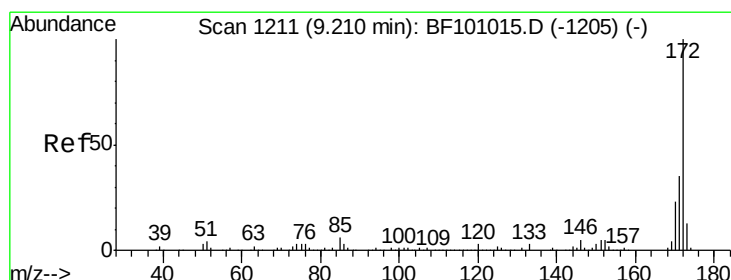
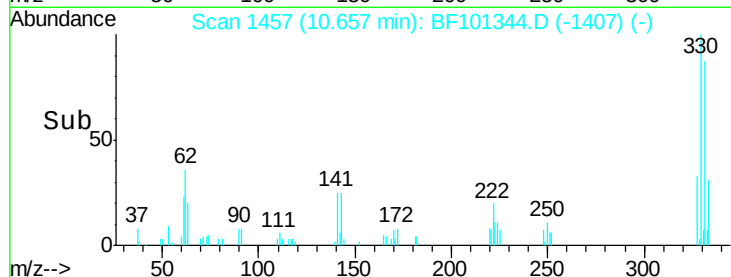
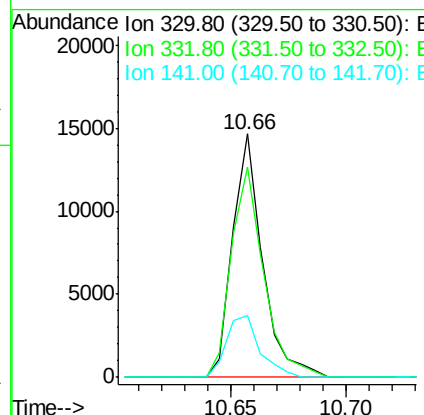
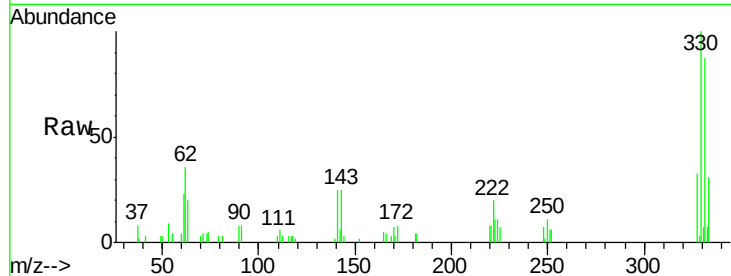
#41
 2,4,6-Tribromophenol
 Concen: 19.497 ng
 RT: 10.66 min Scan# 1457
 Delta R.T. -0.01 min
 Lab File: BF101344.D
 Acq: 12 Dec 2017 21:47

Instrument :
 BNA_F
 ClientSampleId :
 SB-8(0-2)

Tot Ion	Ratio	Lower	Upper
330	100		
332	93.5	77.0	115.6
141	28.4	29.9	44.9#

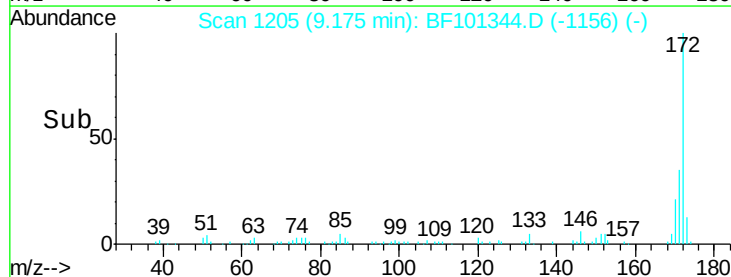
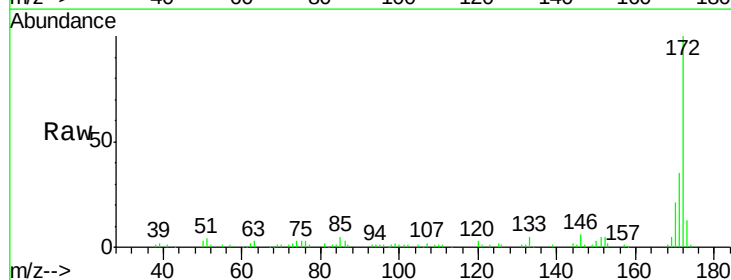
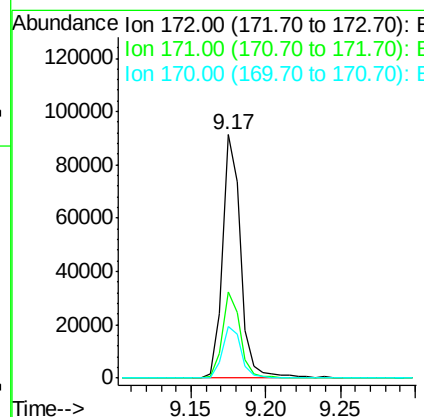
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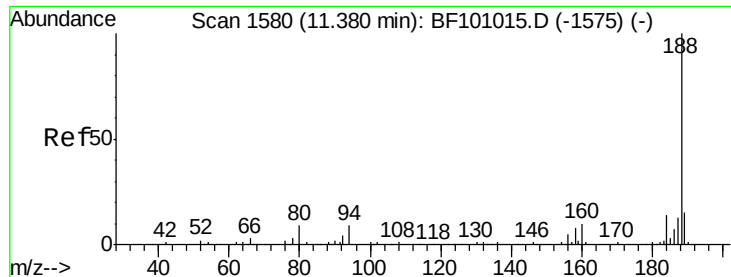
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#44
 2-Fluorobiphenyl
 Concen: 18.846 ng
 RT: 9.17 min Scan# 1205
 Delta R.T. -0.01 min
 Lab File: BF101344.D
 Acq: 12 Dec 2017 21:47

Tgt Ion	Ratio	Lower	Upper
172	100		
171	35.4	29.7	44.5
170	21.1	19.6	29.4





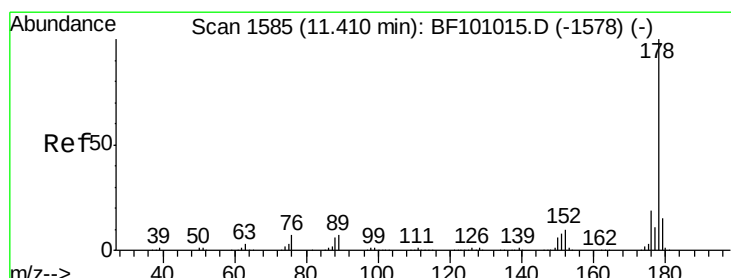
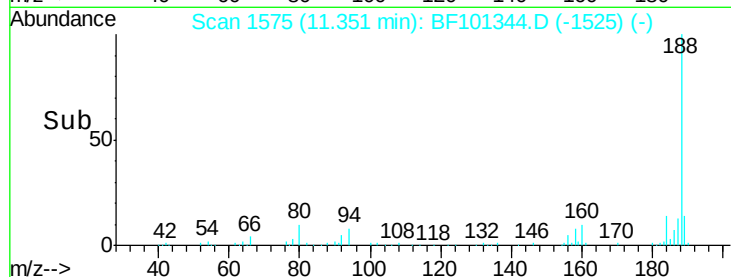
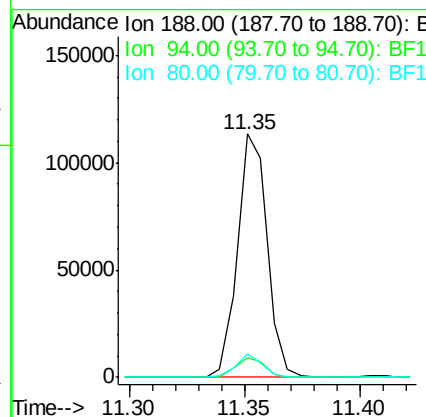
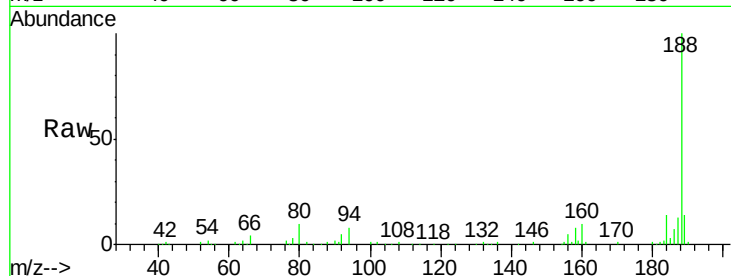
#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.35 min Scan# 1575
Delta R.T. -0.01 min
Lab File: BF101344.D
Acq: 12 Dec 2017 21:47

Instrument :
BNA_F
ClientSampleId :
SB-8(0-2)

Tot Ion	Ratio	Resp Lower	Upper
188	100		
94	7.8	8.5	12.7#
80	9.7	9.2	13.8

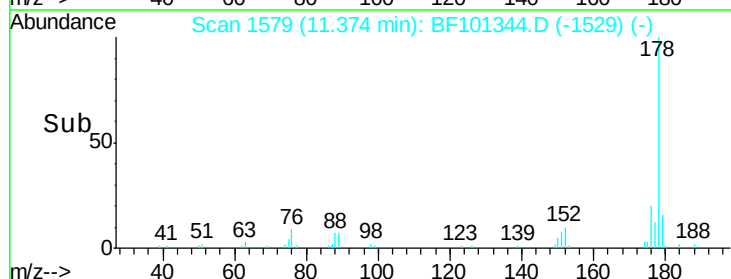
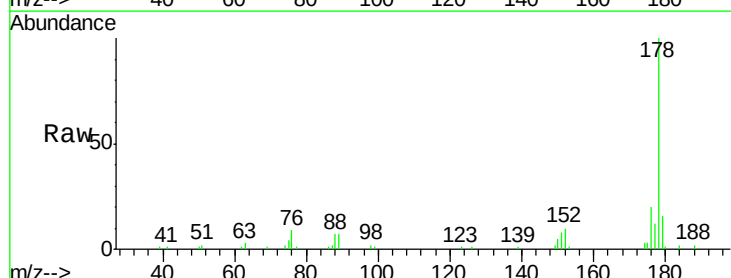
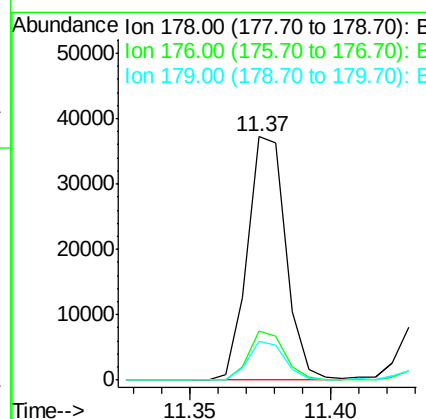
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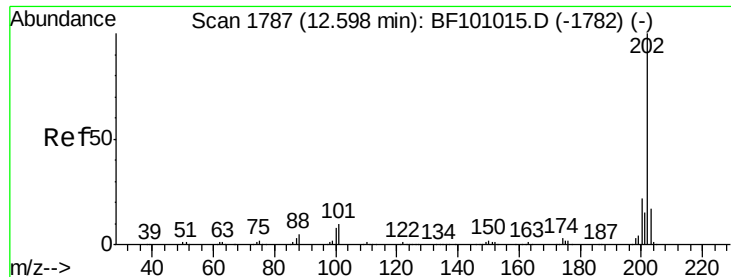
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#70
Phenanthrene
Concen: 6.284 ng
RT: 11.37 min Scan# 1579
Delta R.T. -0.01 min
Lab File: BF101344.D
Acq: 12 Dec 2017 21:47

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





#74

Fluoranthene

Concen: 11.889 ng

RT: 12.57 min Scan# 1782

Delta R.T. 0.00 min

Lab File: BF101344.D

Acq: 12 Dec 2017 21:47

Instrument :

BNA_F

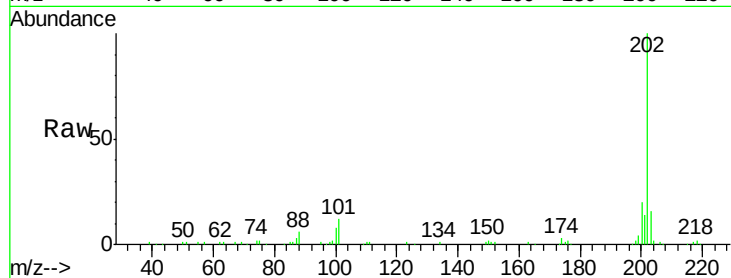
ClientSampled :

SB-8(0-2)

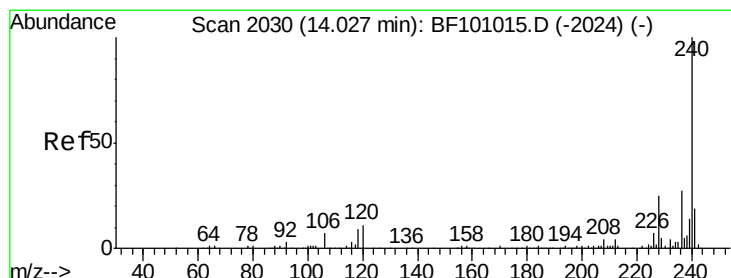
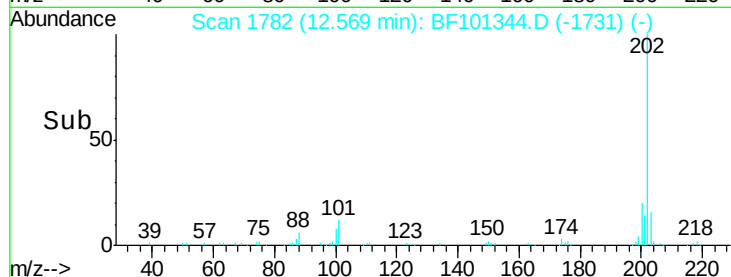
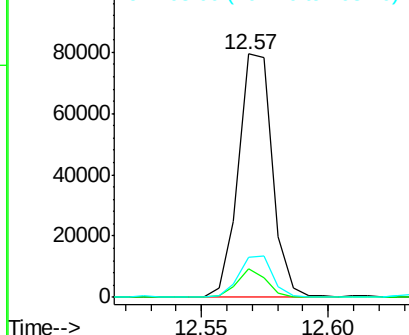
Tot Ion:	202	Resp:	73781
Ion Ratio	Lower	Upper	
202	100		
101	11.5	0.0	34.1
203	16.3	0.0	38.1

Manual Integrations
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Abundance Ion 202.00 (201.70 to 202.70): E
Ion 101.00 (100.70 to 101.70): E
Ion 203.00 (202.70 to 203.70): E



#75

Chrysene-d12

Concen: 20.000 ng

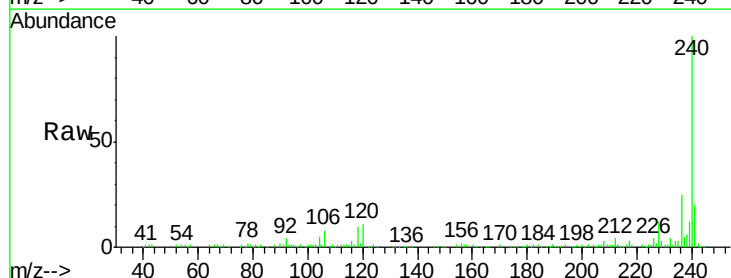
RT: 14.00 min Scan# 2026

Delta R.T. 0.00 min

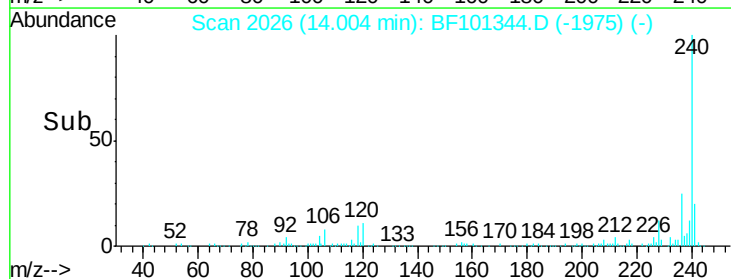
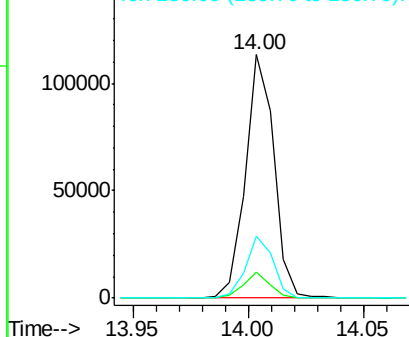
Lab File: BF101344.D

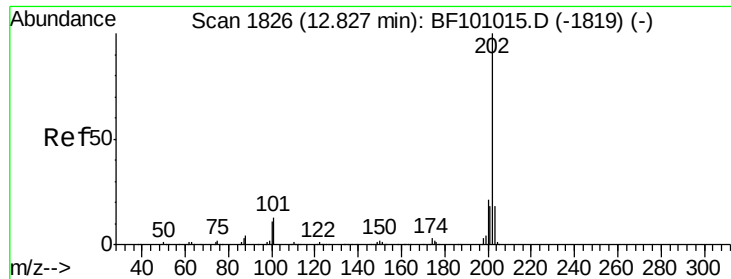
Acq: 12 Dec 2017 21:47

Tgt Ion:	240	Resp:	97727
Ion Ratio	Lower	Upper	
240	100		
120	10.7	9.5	14.3
236	25.5	20.7	31.1



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





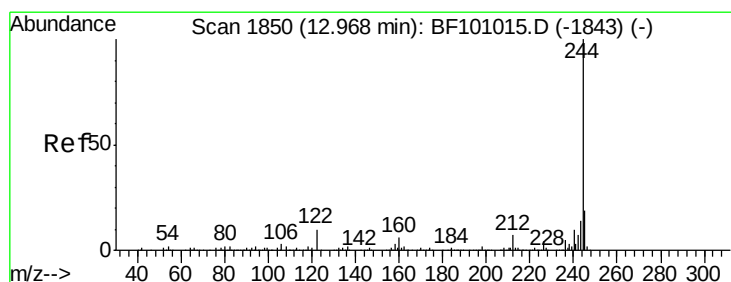
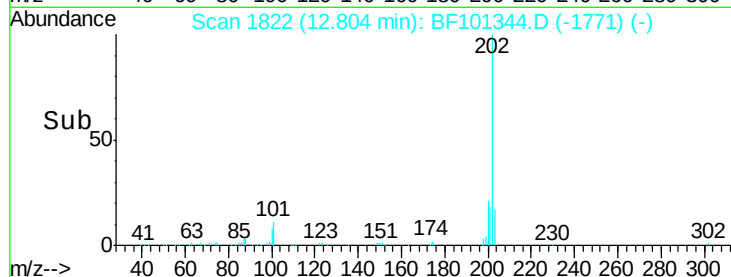
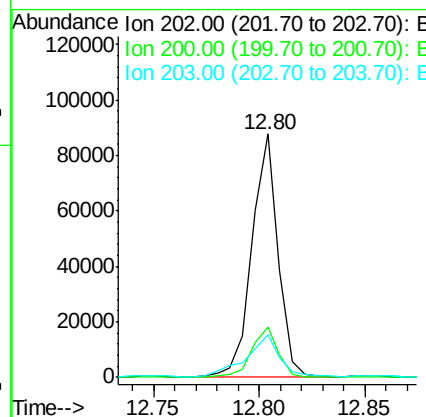
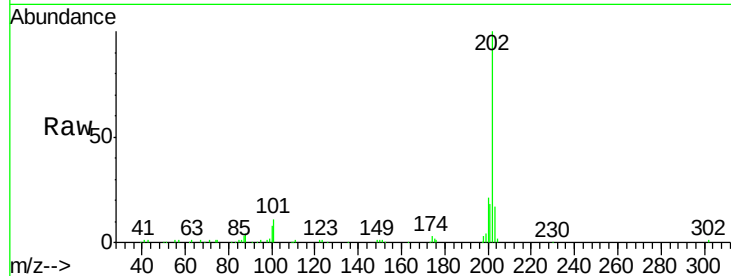
#77
Pvrene
Concen: 11.219 ng
RT: 12.80 min Scan# 1822
Delta R.T. 0.00 min
Lab File: BF101344.D
Acq: 12 Dec 2017 21:47

Instrument :
BNA_F
ClientSampleId :
SB-8(0-2)

Tot Ion	Ratio	Lower	Upper
202	100		
200	20.5	17.4	26.2
203	17.5	14.3	21.5

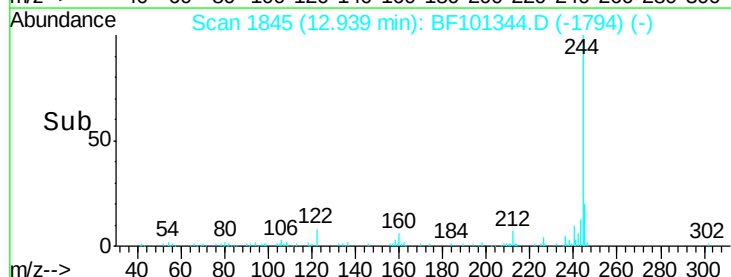
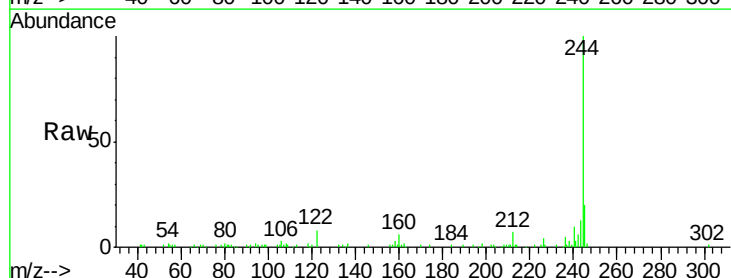
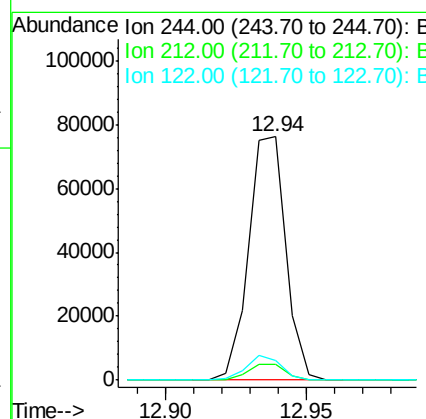
Manual Integrations
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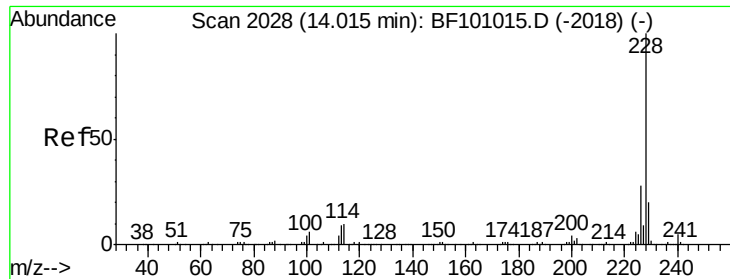
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#78
Terphenyl-d14
Concen: 15.577 ng
RT: 12.94 min Scan# 1845
Delta R.T. 0.00 min
Lab File: BF101344.D
Acq: 12 Dec 2017 21:47

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





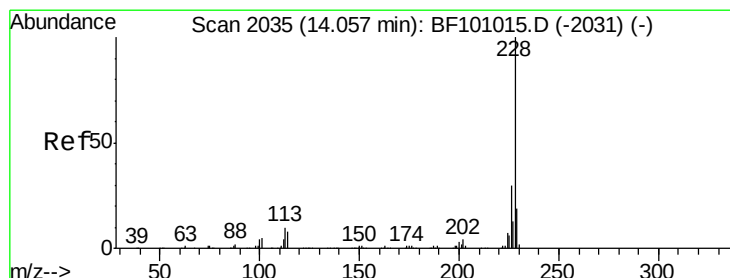
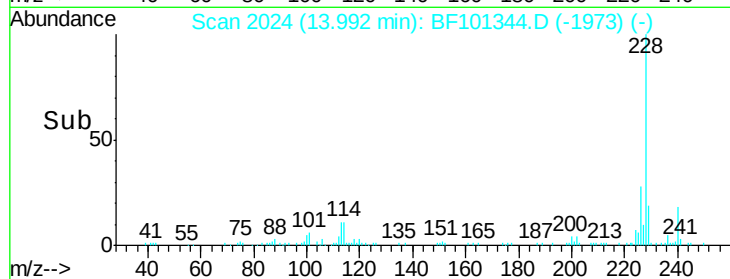
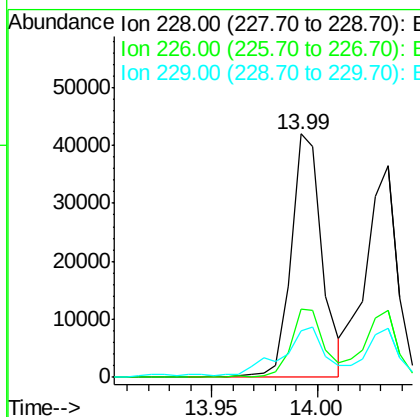
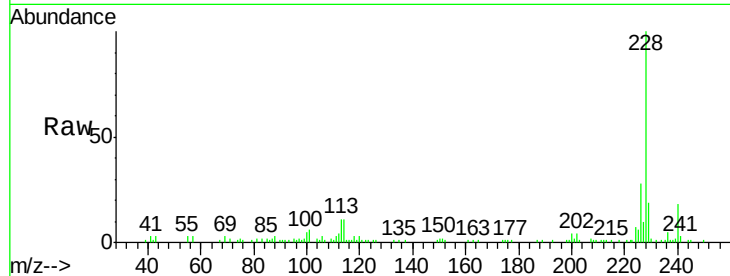
#80
Benzo(a)anthracene
Concen: 7.013 ng
RT: 13.99 min Scan# 2024
Delta R.T. 0.00 min
Lab File: BF101344.D
Acq: 12 Dec 2017 21:47

Instrument :
BNA_F
ClientSampled :
SB-8(0-2)

Tot Ion	Ratio	Lower	Upper
228	100		
226	27.9	22.6	33.8
229	19.1	15.8	23.6

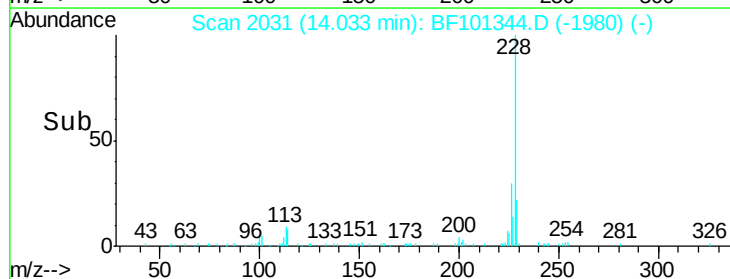
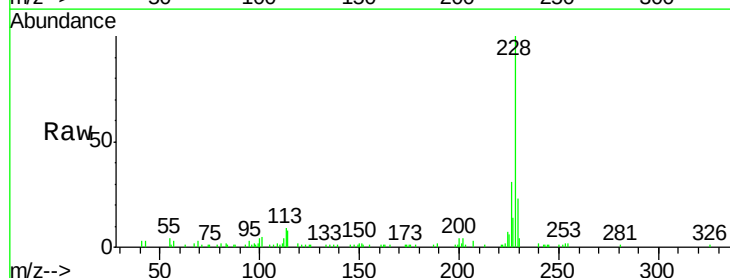
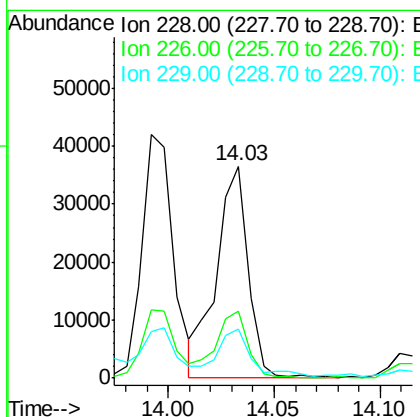
Manual Integrations
APPROVED

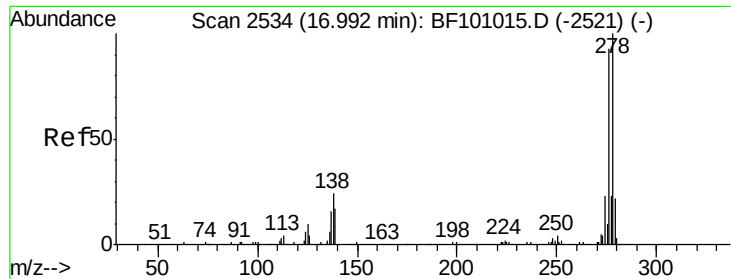
Sohil
12/13/2017 12:07:55 PM



#82
Chrysene
Concen: 6.694 ng
RT: 14.03 min Scan# 2031
Delta R.T. 0.00 min
Lab File: BF101344.D
Acq: 12 Dec 2017 21:47

Tgt Ion	Ratio	Lower	Upper
228	100		
226	31.4	25.0	37.6
229	23.5	16.2	24.4





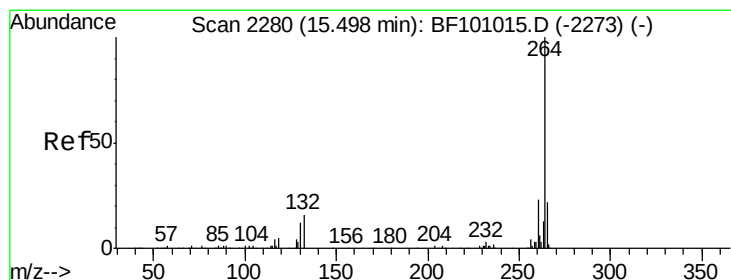
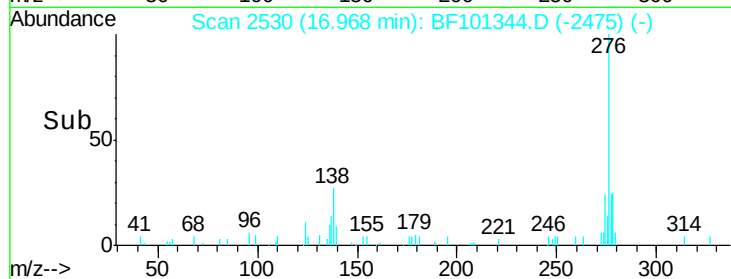
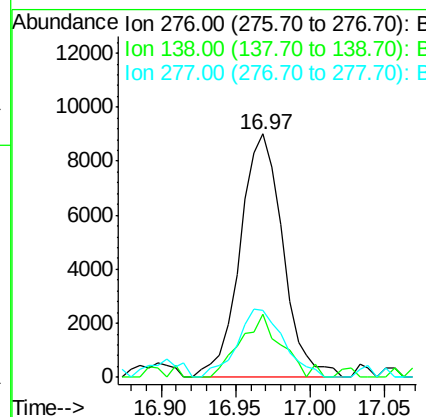
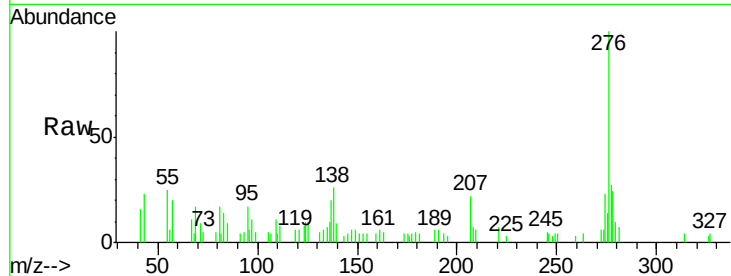
#85
Indeno(1,2,3-cd)pyrene
Concen: 3.519 ng
RT: 16.97 min Scan# 2530
Delta R.T. 0.02 min
Lab File: BF101344.D
Acq: 12 Dec 2017 21:47

Instrument :
BNA_F
ClientSampleId :
SB-8(0-2)

Tot Ion	Ratio	Lower	Upper
276	100		
138	24.9	25.0	37.6#
277	30.3	20.1	30.1#

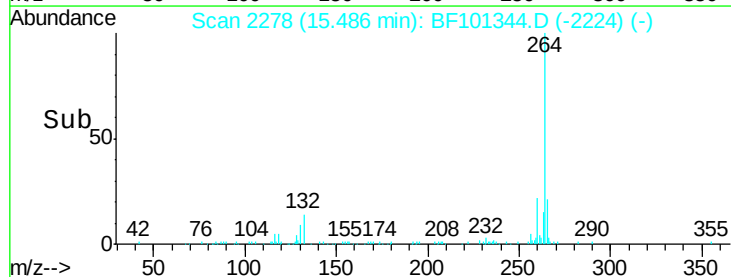
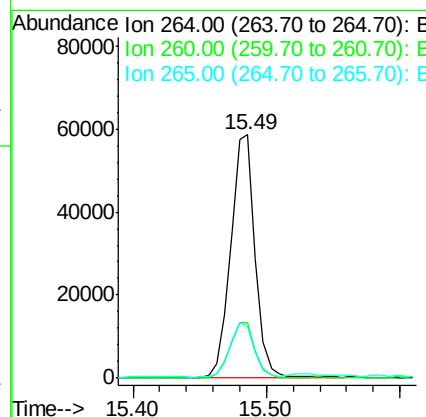
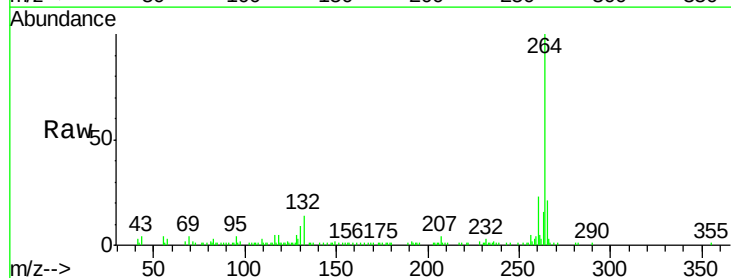
Manual Integrations
APPROVED

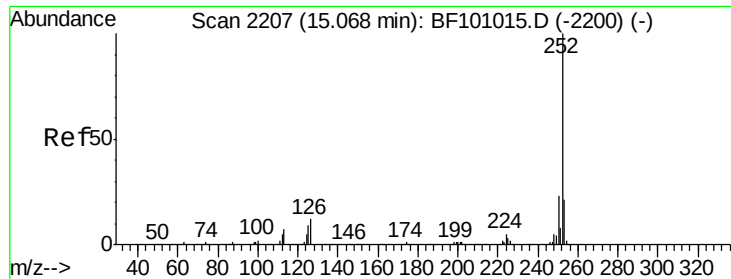
Sohil
12/13/2017 12:07:55 PM



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.49 min Scan# 2278
Delta R.T. 0.02 min
Lab File: BF101344.D
Acq: 12 Dec 2017 21:47

Tgt Ion	Ratio	Lower	Upper
264	100		
260	22.6	19.2	28.8
265	21.5	17.5	26.3





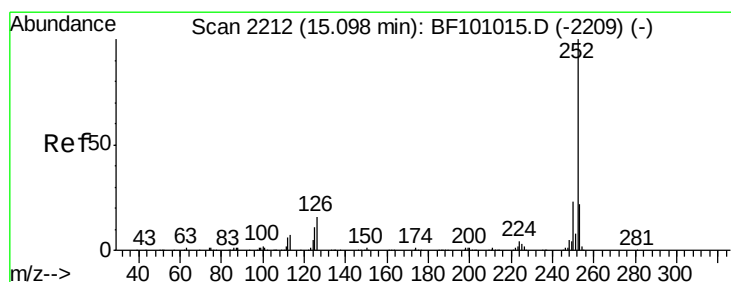
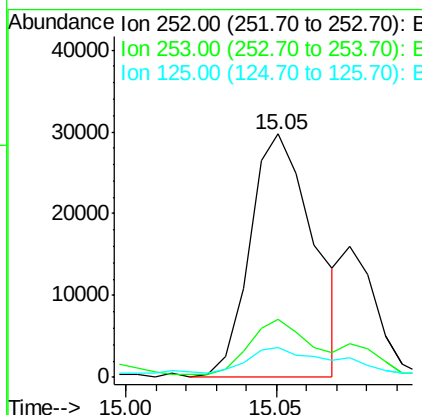
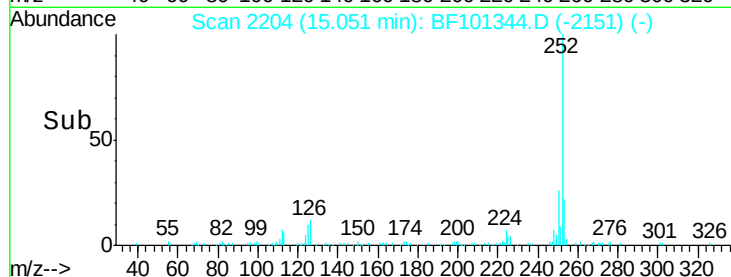
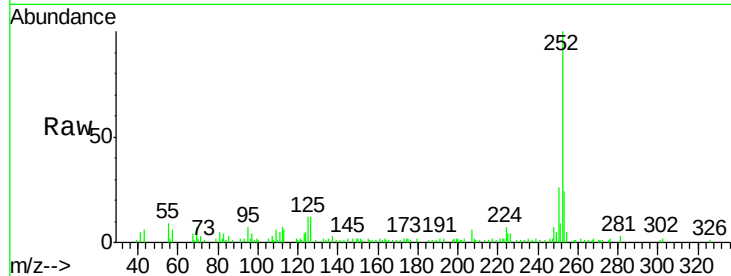
#87
Benzo(b)fluoranthene
Concen: 9.702 ng m
RT: 15.05 min Scan# 2204
Delta R.T. 0.01 min
Lab File: BF101344.D
Acq: 12 Dec 2017 21:47

Instrument :
BNA_F
ClientSampleId :
SB-8(0-2)

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.9	17.0	25.6
125	12.4	9.0	13.6

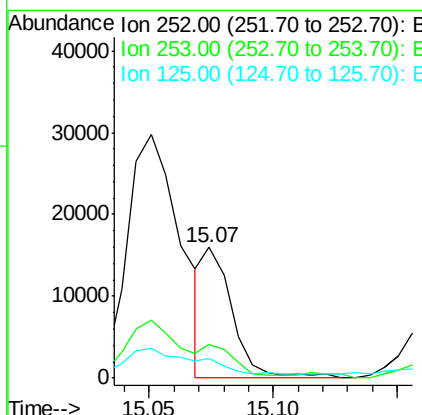
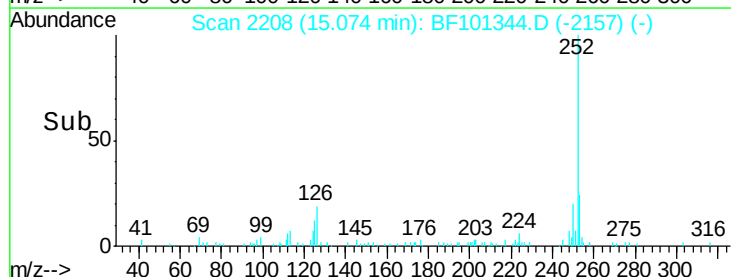
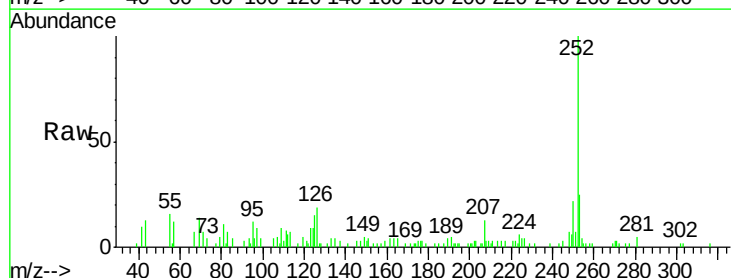
Manual Integrations
APPROVED

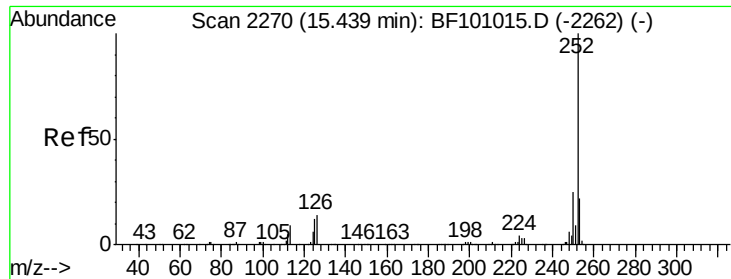
Sohil
12/13/2017 12:07:55 PM



#88
Benzo(k)fluoranthene
Concen: 2.969 ng m
RT: 15.07 min Scan# 2208
Delta R.T. 0.00 min
Lab File: BF101344.D
Acq: 12 Dec 2017 21:47

Tgt Ion	Ratio	Lower	Upper
252	100		
253	25.5	17.9	26.9
125	14.7	10.2	15.2





#89

Benzo(a)pyrene

Concen: 7.436 ng

RT: 15.42 min Scan# 2267

Delta R.T. 0.01 min

Lab File: BF101344.D

Acq: 12 Dec 2017 21:47

Instrument :

BNA_F

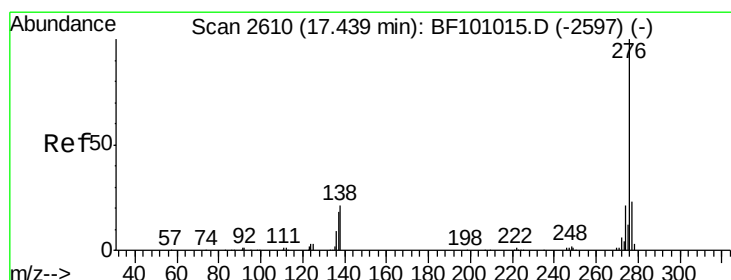
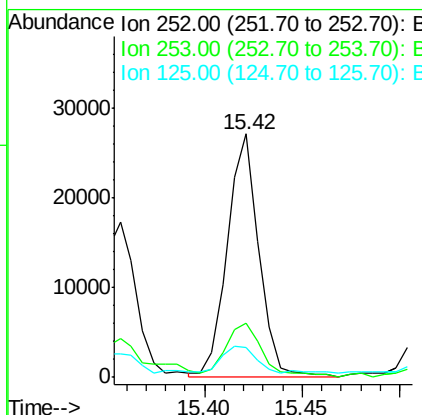
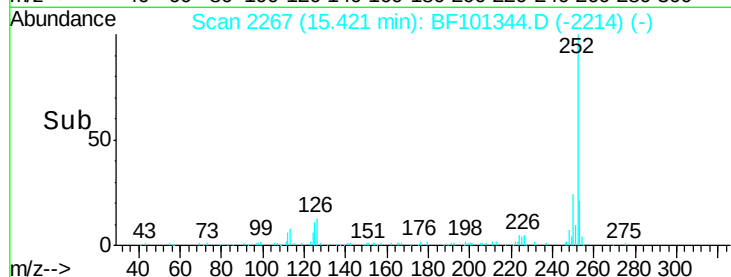
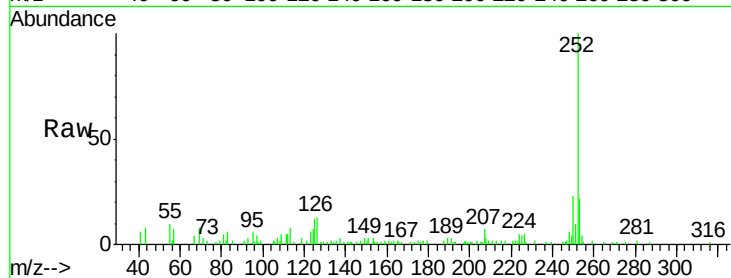
ClientSampleId :

SB-8(0-2)

Tot Ion:	252	Resp:	30578
Ion Ratio	Lower	Upper	
252	100		
253	22.2	17.1	25.7
125	12.2	9.8	14.6

Manual Integrations
APPROVED

Sohil
12/13/2017 12:07:55 PM



#91

Benzo(g,h,i)perylene

Concen: 5.263 ng

RT: 17.43 min Scan# 2608

Delta R.T. 0.04 min

Lab File: BF101344.D

Acq: 12 Dec 2017 21:47

Tgt Ion:	276	Resp:	17982
Ion Ratio	Lower	Upper	
276	100		
277	21.4	17.9	26.9
138	18.4	21.8	32.8#

