

Data Path : Z:\HPCHEM1\BNA F\DATA\BF122917\
 Data File : BF101825.D
 Acq On : 29 Dec 2017 13:27
 Operator : SJ/JU
 Sample : I7078-02
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 PB-05(0-8)

Manual Integrations
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 1/2/2018 1:05:03 PM

Quant Time: Dec 29 15:10:46 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF121417.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Dec 29 13:21:45 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.78	152	164138	20.00	ng	0.00
21) Naphthalene-d8	8.06	136	634809	20.00	ng	0.00
38) Acenaphthene-d10	9.82	164	270576	20.00	ng	0.00
63) Phenanthrene-d10	11.32	188	440826	20.00	ng	0.00
75) Chrysene-d12	13.97	240	302559	20.00	ng	0.00
86) Perylene-d12	15.44	264	302864	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.41	112	867421	78.72	ng	0.00
7) Phenol-d6	6.43	99	1139206	83.07	ng	0.00
23) Nitrobenzene-d5	7.36	82	764671	67.05	ng	0.00
41) 2,4,6-Tribromophenol	10.62	330	184846	70.90	ng	0.00
44) 2-Fluorobiphenyl	9.14	172	1158292	66.41	ng	0.00
78) Terphenyl-d14	12.89	244	841624	67.06	ng	0.00

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
49) Dimethylphthalate	9.53	163	146648	6.738	ng	99
70) Phenanthrene	11.34	178	116642	4.758	ng	97
71) Anthracene	11.39	178	66192	2.643	ng	97
74) Fluoranthene	12.53	202	256426	9.965	ng	98
77) Pyrene	12.76	202	252312	11.112	ng	99
80) Benzo(a)anthracene	13.96	228	135699	6.792	ng	97
82) Chrysene	13.99	228	130977	6.943	ng	98
85) Indeno(1,2,3-cd)pyrene	16.93	276	84430	5.026	ng	93
87) Benzo(b)fluoranthene	15.02	252	192650m	10.436	ng	
88) Benzo(k)fluoranthene	15.04	252	73710m	4.107	ng	
89) Benzo(a)pyrene	15.38	252	119926	7.047	ng	95
91) Benzo(a,h,i)perylene	17.39	276	77280	5.341	ng	97

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

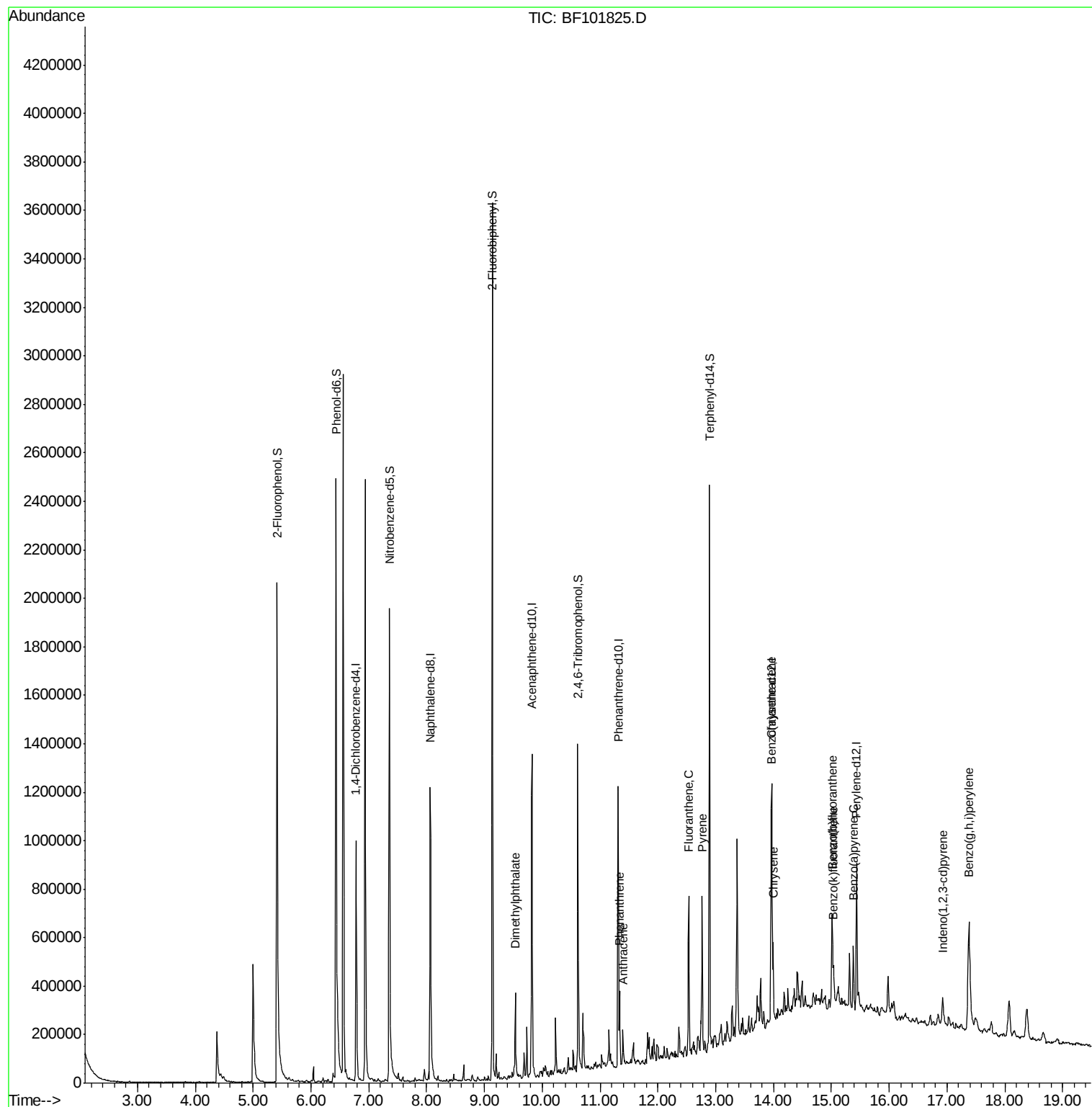
Data Path : Z:\HPCHEM1\BNA F\DATA\BF122917\
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#1

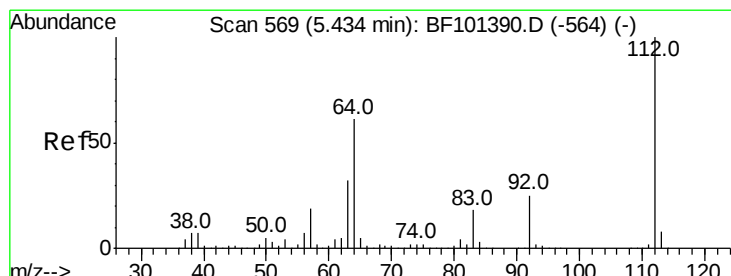
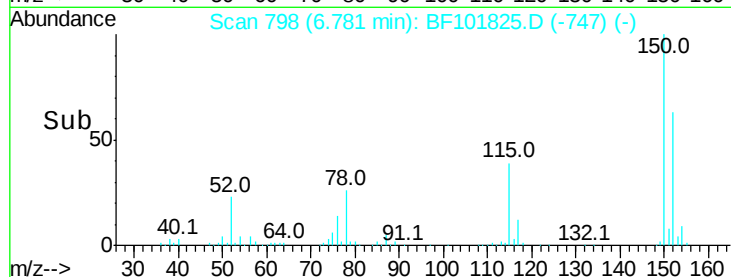
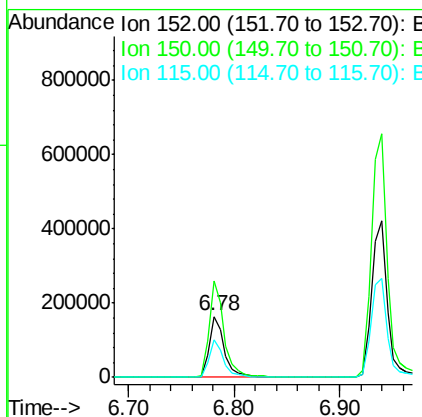
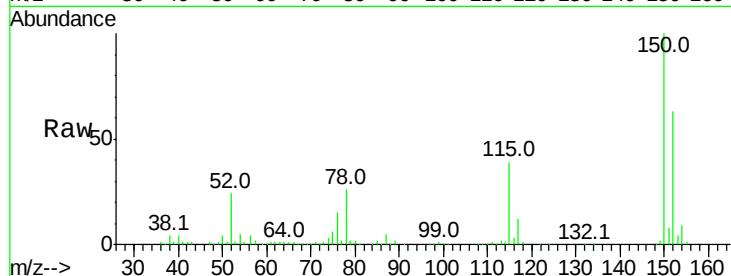
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.78 min Scan# 798
Delta R.T. 0.00 min
Lab File: BF101825.D
Acq: 29 Dec 2017 13:27

Instrument :
BNA_F
ClientSampleId :
PB-05(0-8)

Tot Ion	Ratio	Lower	Upper
152	100		
150	158.6	124.6	186.8
115	61.7	50.1	75.1

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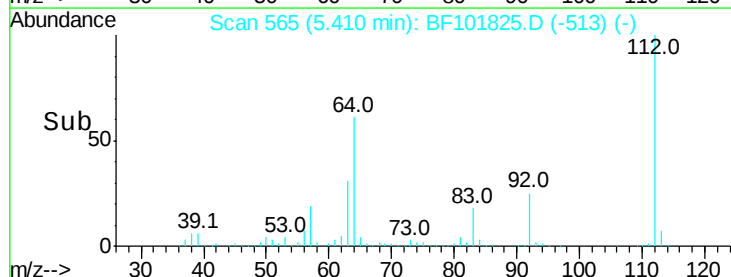
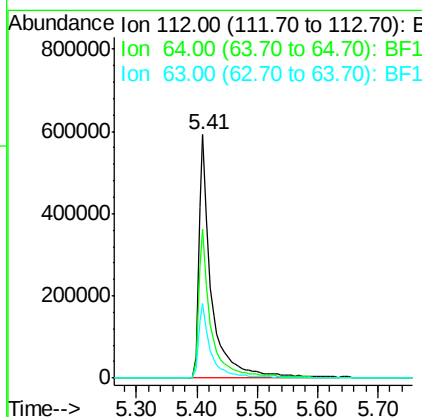
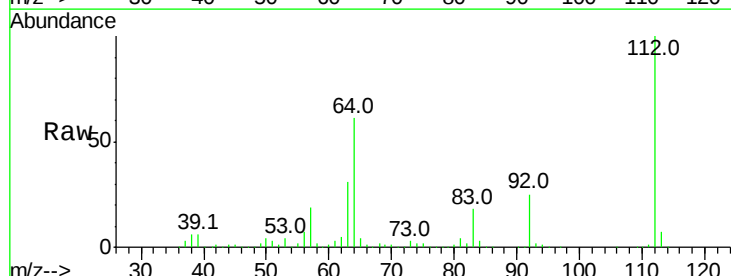
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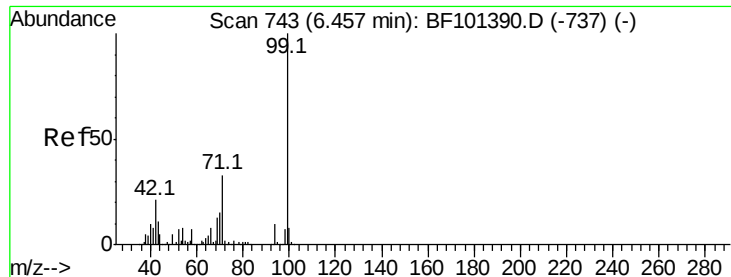


#5

2-Fluorophenol
Concen: 78.720 ng
RT: 5.41 min Scan# 565
Delta R.T. 0.01 min
Lab File: BF101825.D
Acq: 29 Dec 2017 13:27

Tgt Ion	Ratio	Lower	Upper
112	100		
64	61.4	47.9	71.9
63	30.9	23.7	35.5





#7

Phenol-d6

Concen: 83.071 ng

RT: 6.43 min Scan# 739

Delta R.T. 0.00 min

Lab File: BF101825.D

Acq: 29 Dec 2017 13:27

Instrument :

BNA_F

ClientSampled :

PB-05(0-8)

Tot Ion: 99 Resp: 1139206

Ion Ratio Lower Upper

99 100

42 19.7 14.5 21.7

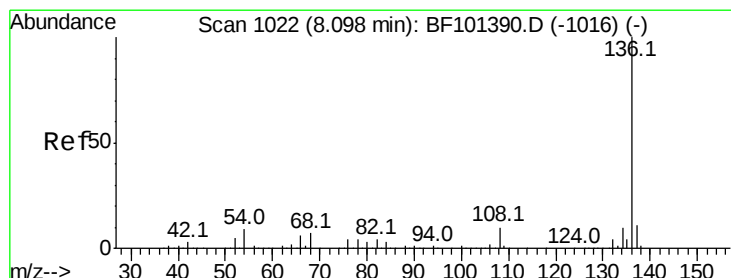
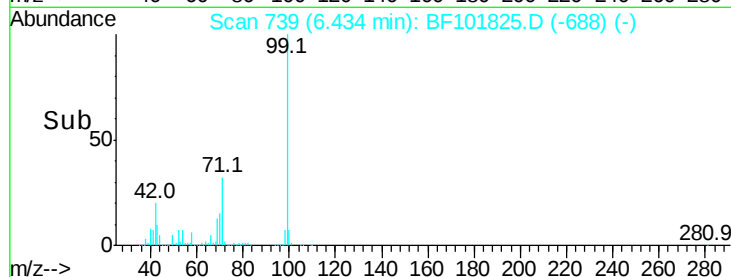
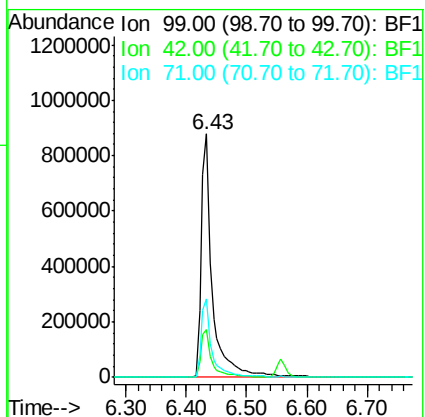
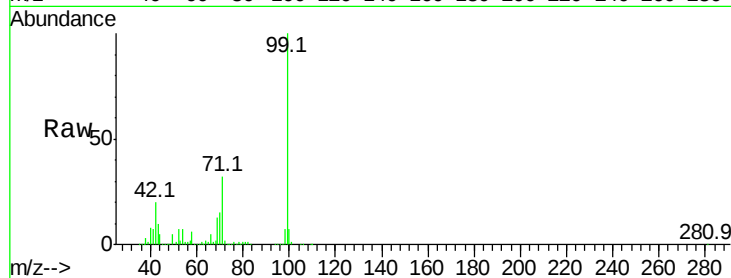
71 32.1 25.4 38.0

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#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.06 min Scan# 1016

Delta R.T. -0.01 min

Lab File: BF101825.D

Acq: 29 Dec 2017 13:27

Tgt Ion: 136 Resp: 634809

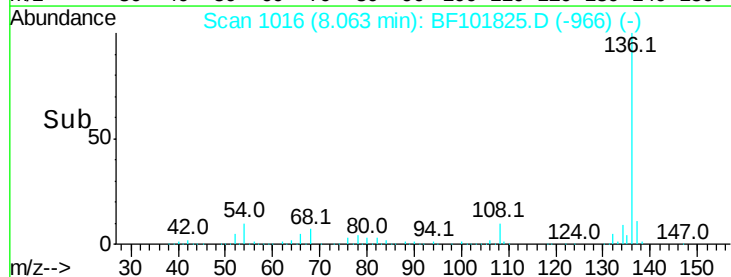
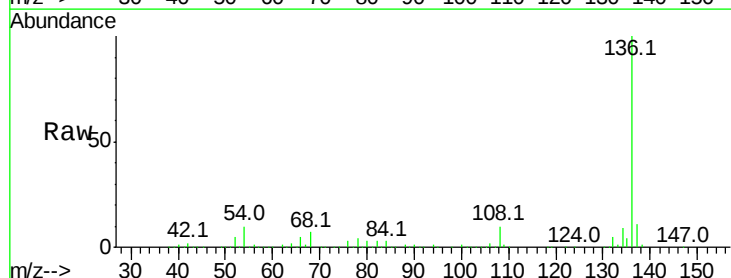
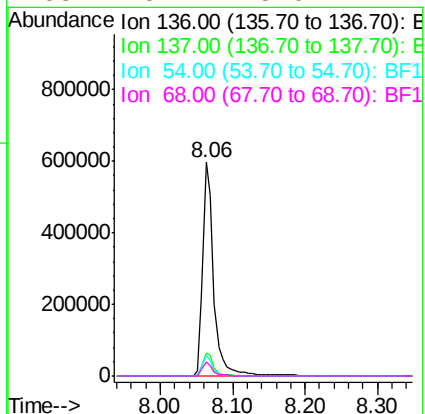
Ion Ratio Lower Upper

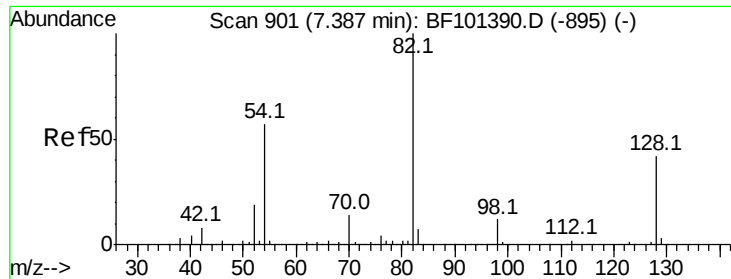
136 100

137 11.0 8.9 13.3

54 9.6 6.6 9.8

68 6.7 5.0 7.4





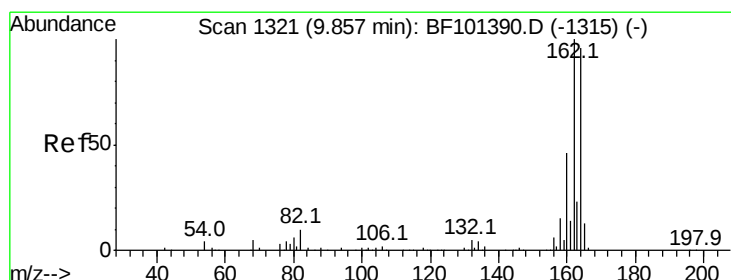
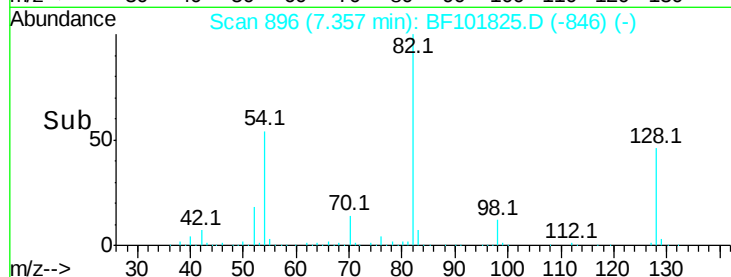
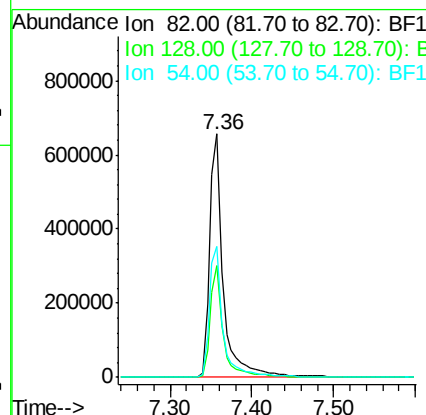
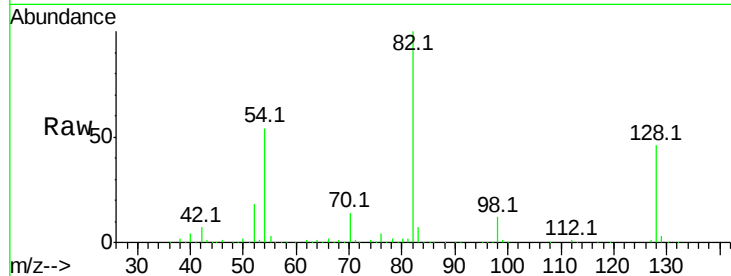
#23
Nitrobenzene-d5
Concen: 67.053 ng
RT: 7.36 min Scan# 896
Delta R.T. -0.01 min
Lab File: BF101825.D
Acq: 29 Dec 2017 13:27

Instrument :
BNA_F
ClientSampleId :
PB-05(0-8)

Tot Ion	Ratio	Lower	Upper
82	100		
128	46.2	36.1	54.1
54	54.0	41.4	62.2

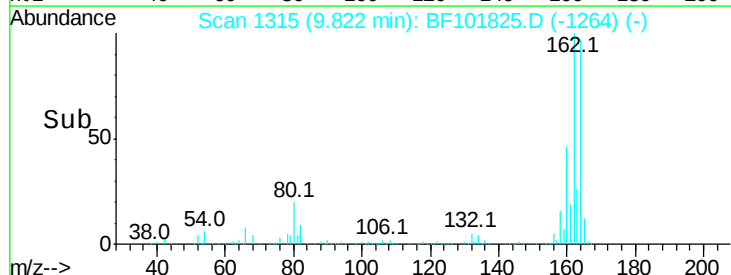
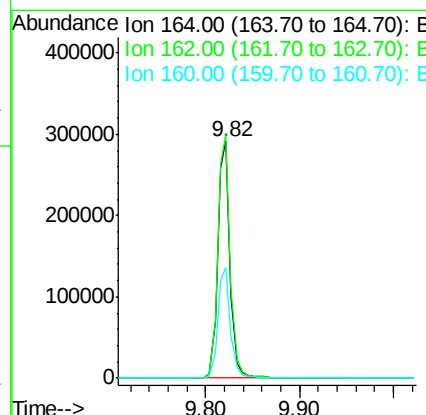
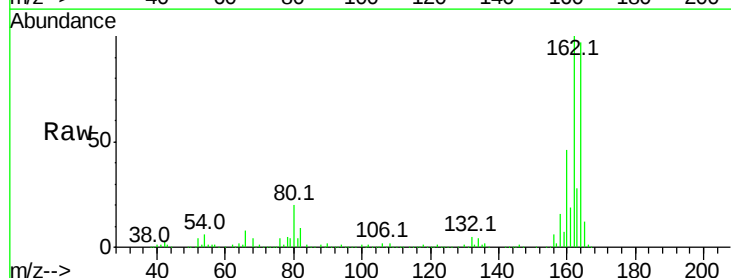
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#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.82 min Scan# 1315
Delta R.T. 0.00 min
Lab File: BF101825.D
Acq: 29 Dec 2017 13:27

Tgt Ion	Ratio	Lower	Upper
164	100		
162	102.7	86.1	129.1
160	46.9	38.3	57.5





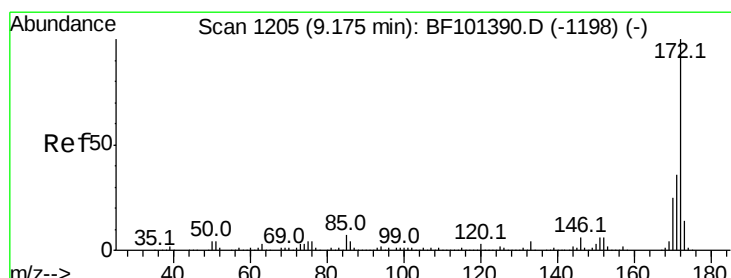
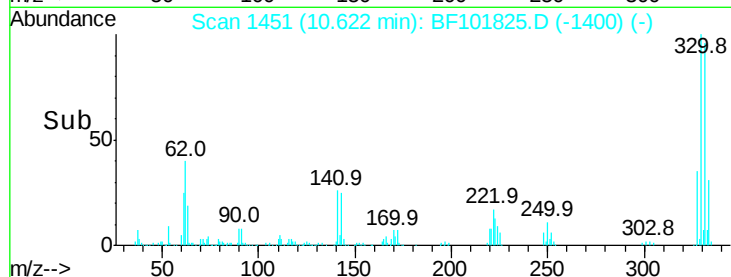
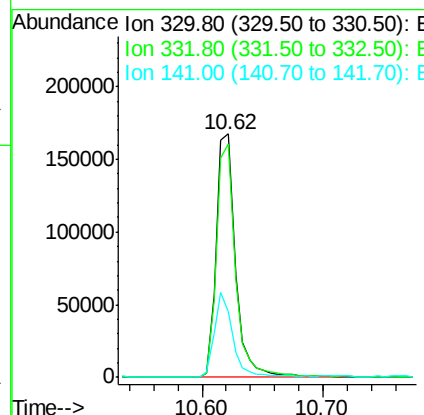
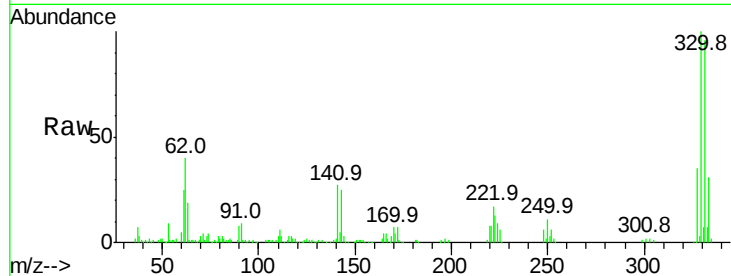
#41
 2,4,6-Tribromophenol
 Concen: 70.898 ng
 RT: 10.62 min Scan# 1451
 Delta R.T. 0.00 min
 Lab File: BF101825.D
 Acq: 29 Dec 2017 13:27

Instrument :
 BNA_F
 ClientSampleId :
 PB-05(0-8)

Tot Ion	Ratio	Resp	Lower	Upper
330	100	184846		
332	94.7	77.0	115.6	
141	34.3	29.9	44.9	

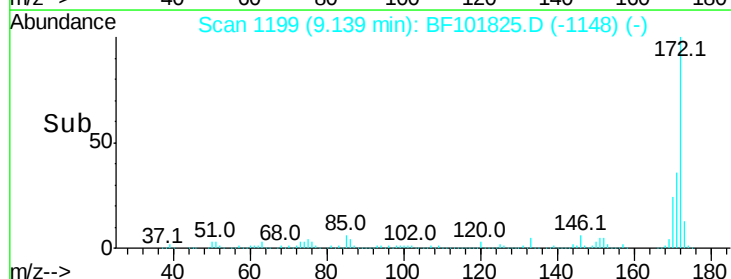
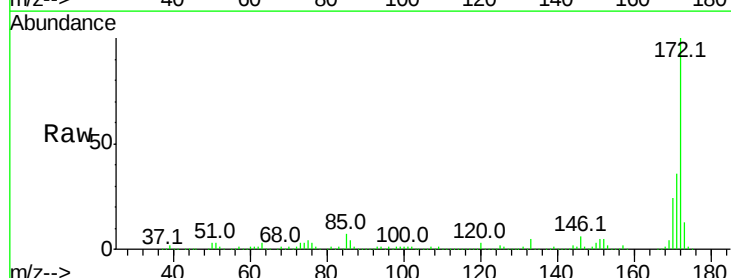
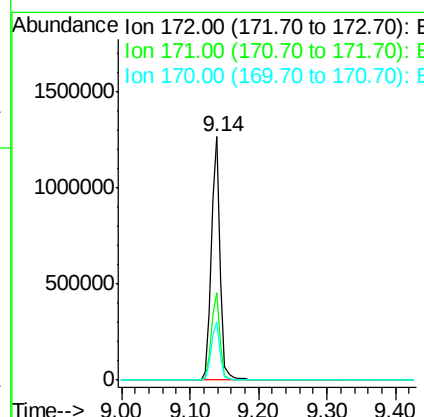
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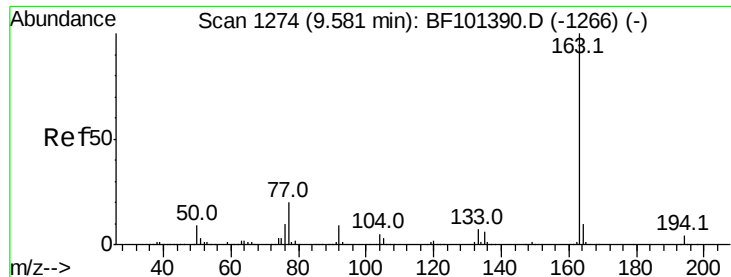
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#44
 2-Fluorobiphenyl
 Concen: 66.406 ng
 RT: 9.14 min Scan# 1199
 Delta R.T. 0.00 min
 Lab File: BF101825.D
 Acq: 29 Dec 2017 13:27

Tgt Ion	Ratio	Resp	Lower	Upper
172	100	1158292		
171	35.9	29.7	44.5	
170	23.9	19.6	29.4	





#49

Dimethylphthalate

Concen: 6.738 ng

RT: 9.53 min Scan# 1266

Delta R.T. -0.02 min

Lab File: BF101825.D

Acq: 29 Dec 2017 13:27

Instrument :

BNA_F

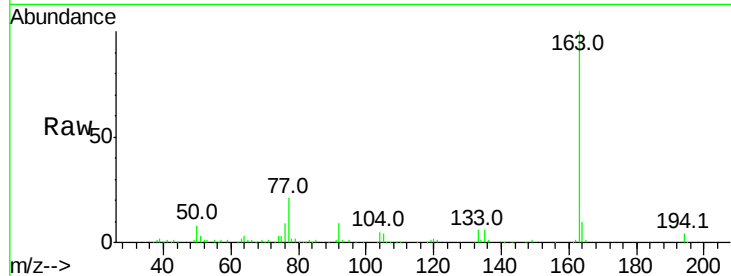
ClientSampleId :

PB-05(0-8)

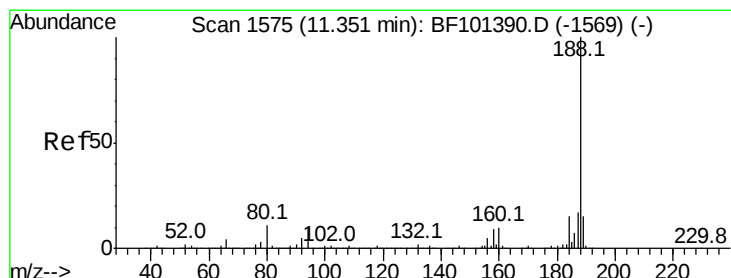
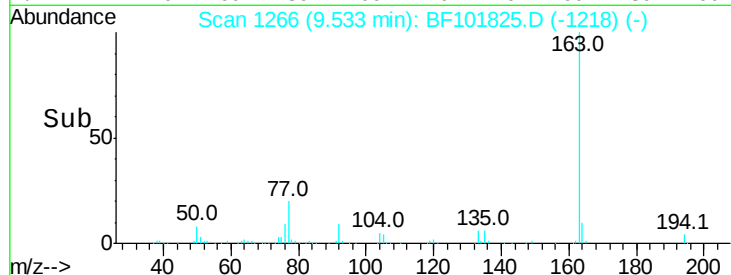
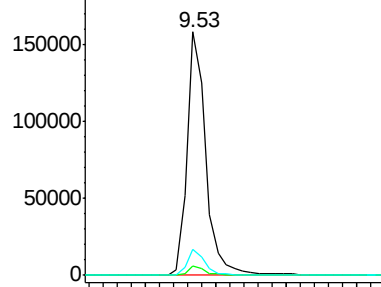
Tot Ion:	163	Resp:	146648
Ion Ratio	Lower	Upper	
163	100		
194	3.8	2.7	4.1
164	10.5	8.2	12.2

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Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E



#63

Phenanthrene-d10

Concen: 20.000 ng

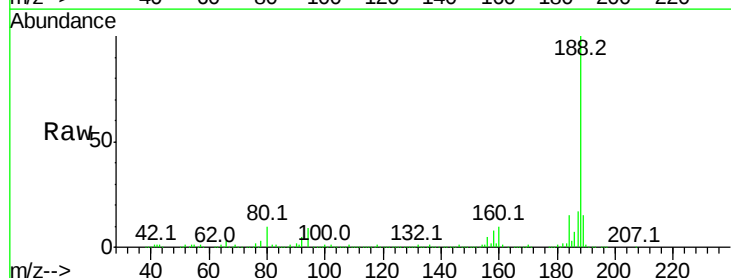
RT: 11.32 min Scan# 1569

Delta R.T. 0.00 min

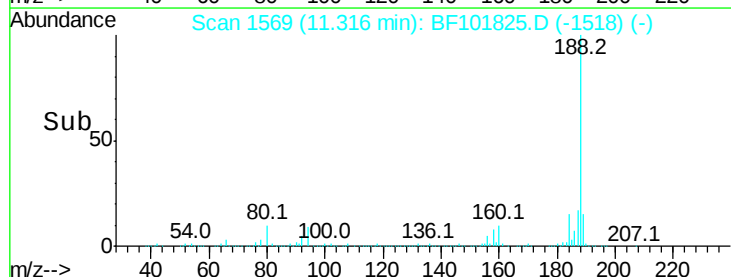
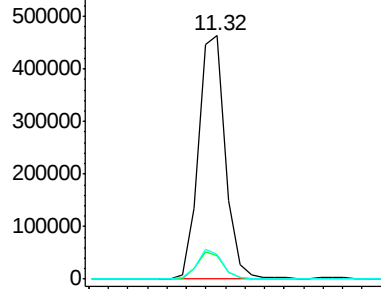
Lab File: BF101825.D

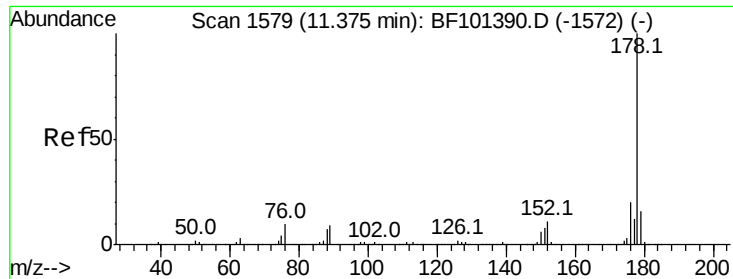
Acq: 29 Dec 2017 13:27

Tgt Ion:	188	Resp:	440826
Ion Ratio	Lower	Upper	
188	100		
94	9.4	8.5	12.7
80	10.1	9.2	13.8



Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BF1
Ion 80.00 (79.70 to 80.70): BF1





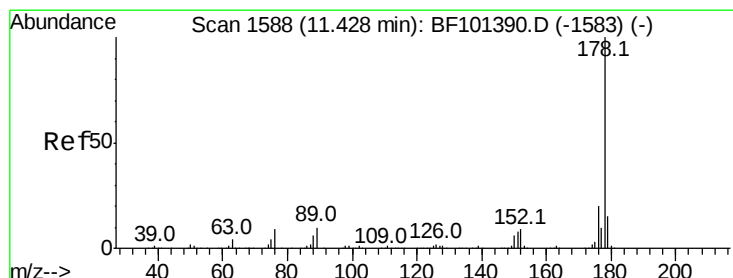
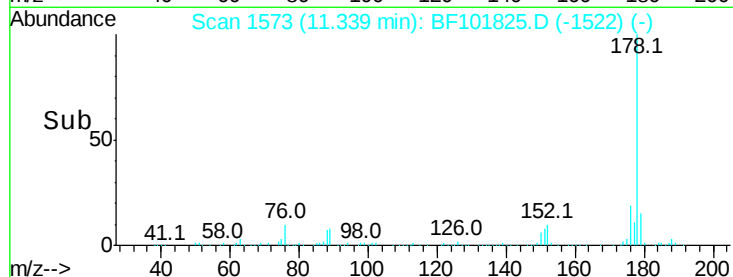
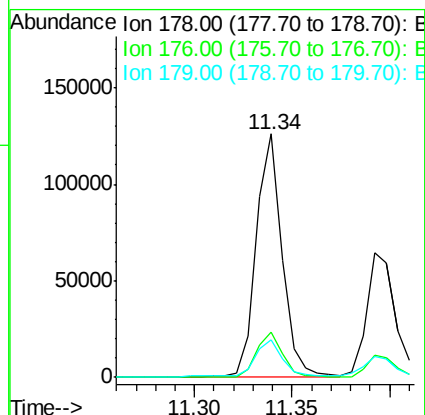
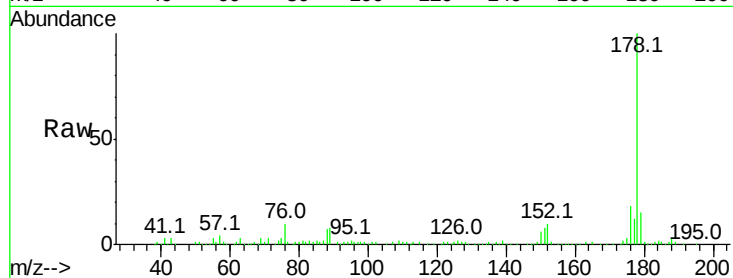
#70
Phenanthrene
Concen: 4.758 ng
RT: 11.34 min Scan# 1573
Delta R.T. 0.00 min
Lab File: BF101825.D
Acq: 29 Dec 2017 13:27

Instrument :
BNA_F
ClientSampleId :
PB-05(0-8)

Tot Ion	Ratio	Lower	Upper
178	100		
176	18.4	15.8	23.8
179	15.3	13.0	19.6

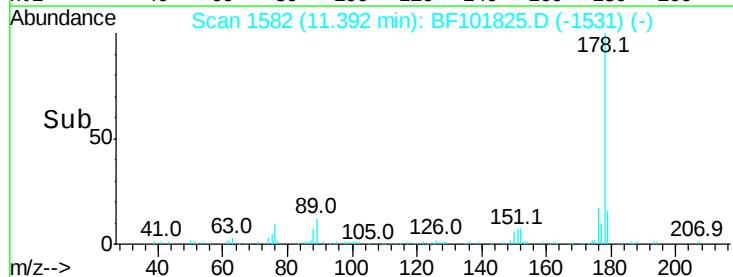
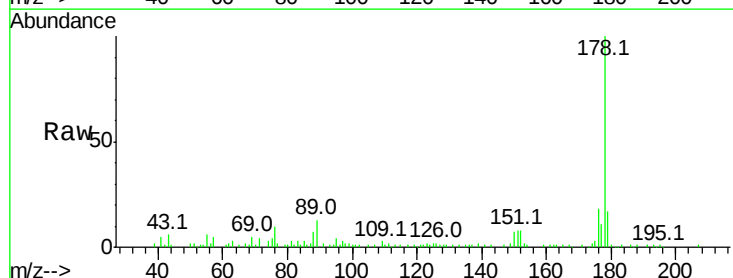
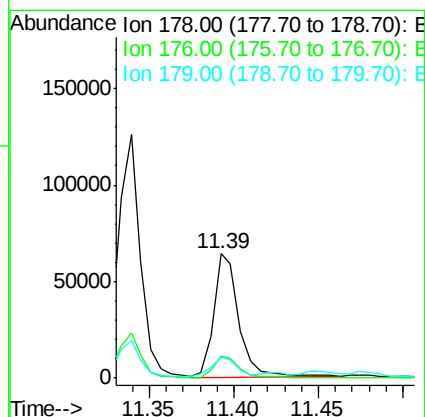
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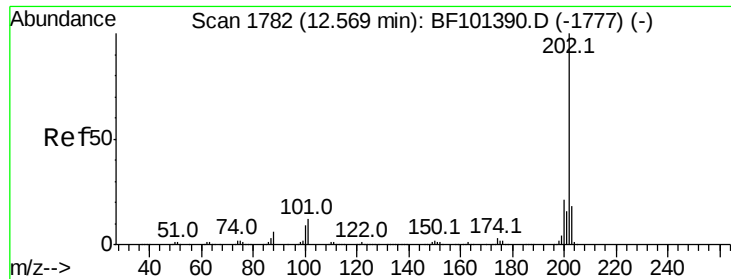
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#71
Anthracene
Concen: 2.643 ng
RT: 11.39 min Scan# 1582
Delta R.T. 0.00 min
Lab File: BF101825.D
Acq: 29 Dec 2017 13:27

Tgt Ion	Ratio	Lower	Upper
178	100		
176	18.0	15.4	23.2
179	17.3	12.6	19.0





#74

Fluoranthene

Concen: 9.965 ng

RT: 12.53 min Scan# 1776

Delta R.T. 0.00 min

Lab File: BF101825.D

Acq: 29 Dec 2017 13:27

Instrument :

BNA_F

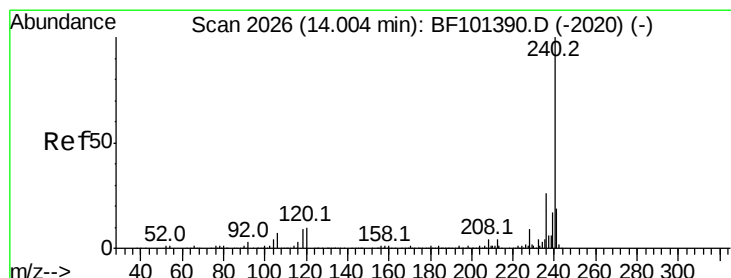
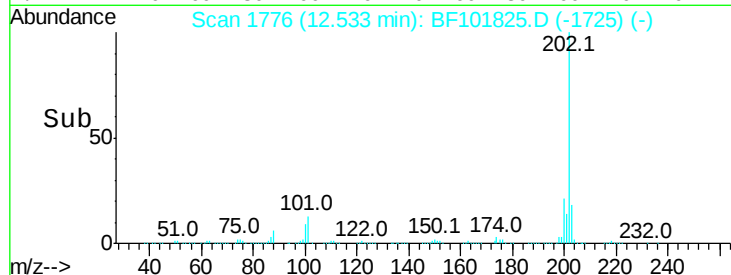
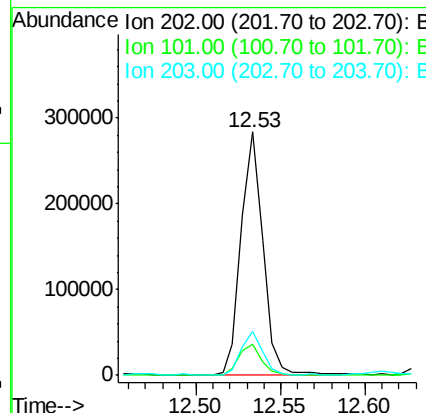
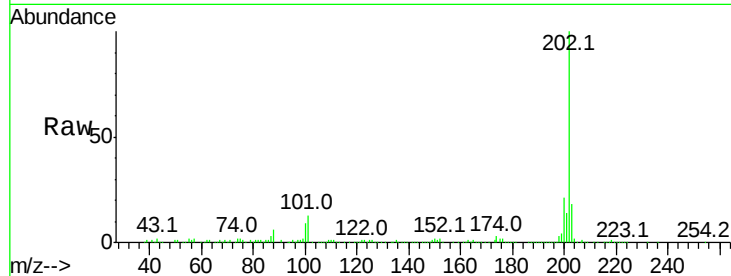
ClientSampleId :

PB-05(0-8)

Tot Ion	Ratio	Resp Lower	Upper
202	100		
101	12.6	0.0	34.1
203	18.0	0.0	38.1

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#75

Chrysene-d12

Concen: 20.000 ng

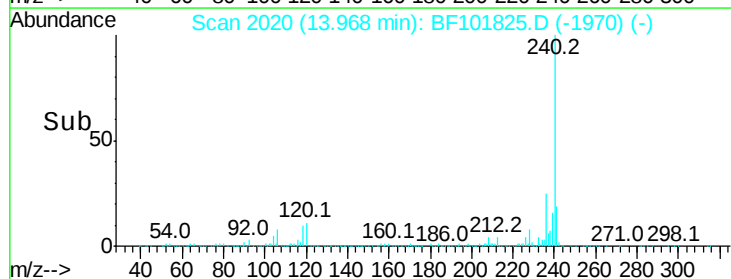
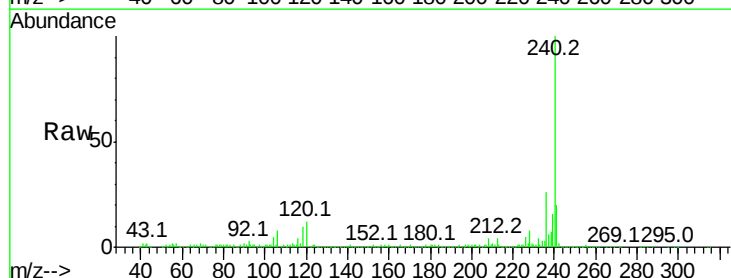
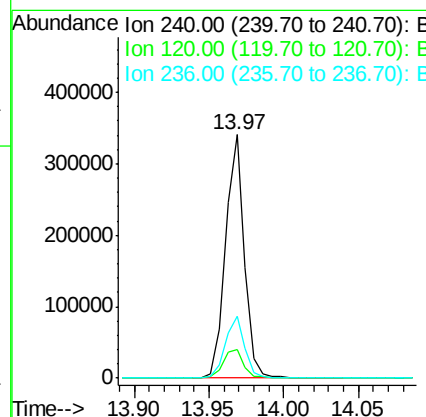
RT: 13.97 min Scan# 2020

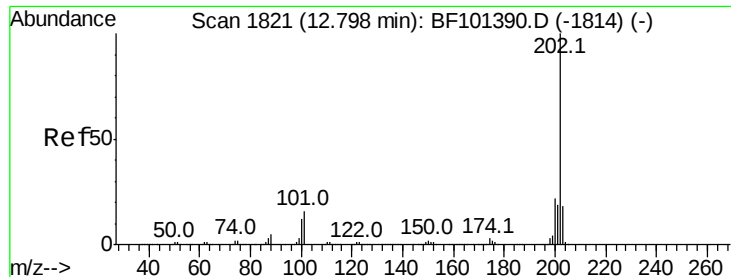
Delta R.T. -0.01 min

Lab File: BF101825.D

Acq: 29 Dec 2017 13:27

Tgt Ion	Ratio	Resp Lower	Upper
240	100		
120	11.7	9.5	14.3
236	25.5	20.7	31.1





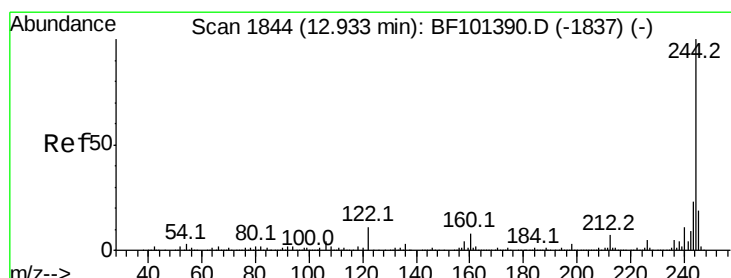
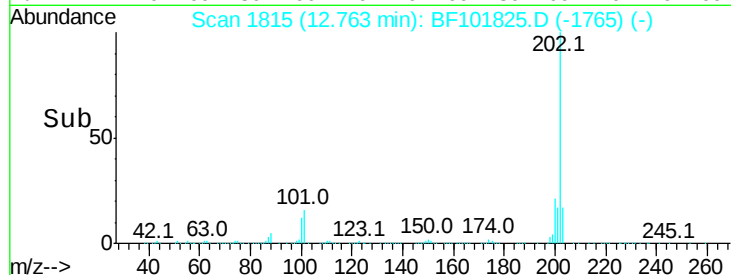
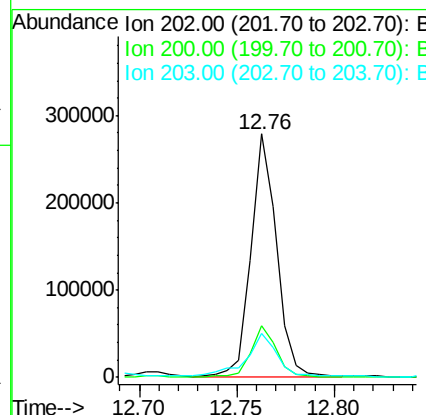
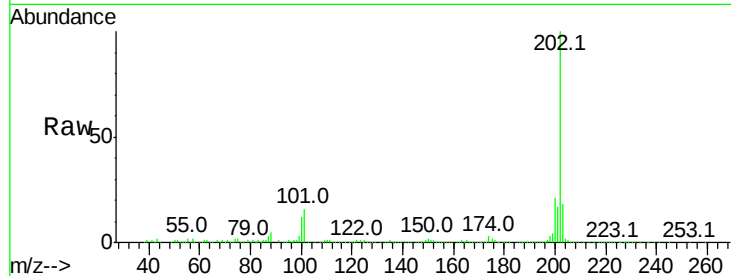
#77
Pvrene
Concen: 11.112 ng
RT: 12.76 min Scan# 1815
Delta R.T. -0.01 min
Lab File: BF101825.D
Acq: 29 Dec 2017 13:27

Instrument :
BNA_F
ClientSampleId :
PB-05(0-8)

Tot Ion	Ratio	Resp Lower	Upper
202	100		
200	21.2	17.4	26.2
203	17.9	14.3	21.5

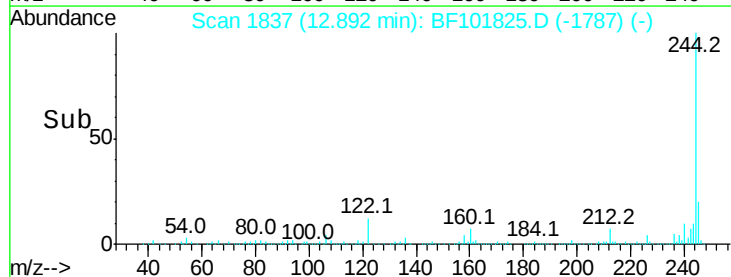
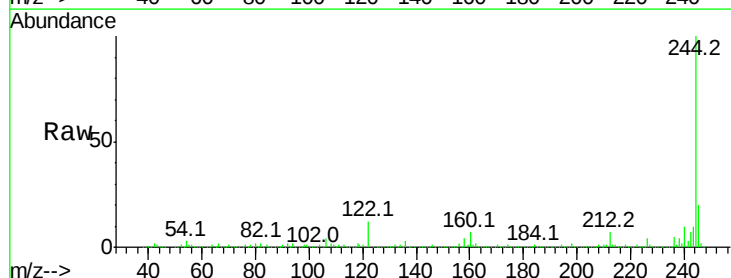
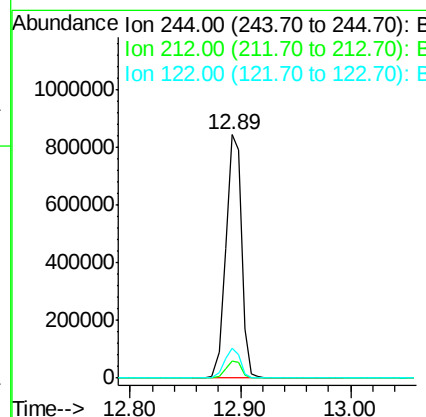
Manual Integrations
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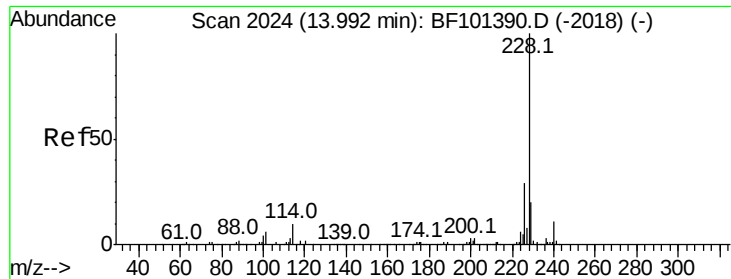
Sohil
1/2/2018 1:05:03 PM



#78
Terphenyl-d14
Concen: 67.060 ng
RT: 12.89 min Scan# 1837
Delta R.T. -0.01 min
Lab File: BF101825.D
Acq: 29 Dec 2017 13:27

Tgt Ion	Ratio	Resp Lower	Upper
244	100		
212	7.0	5.4	8.0
122	12.5	11.0	16.4





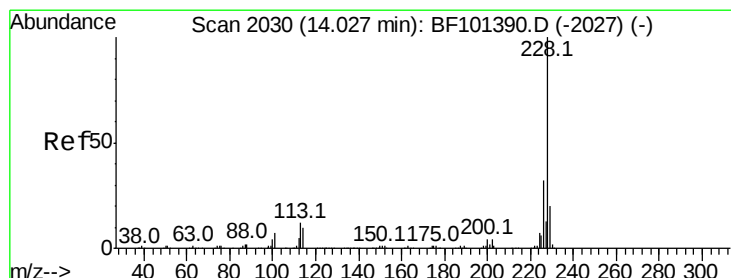
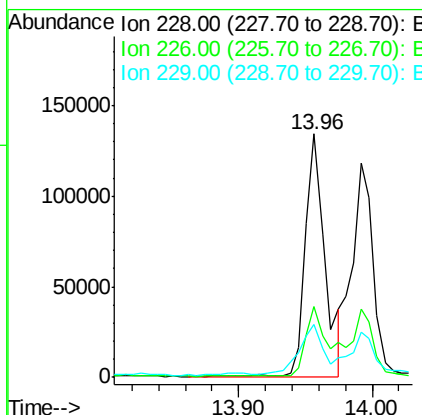
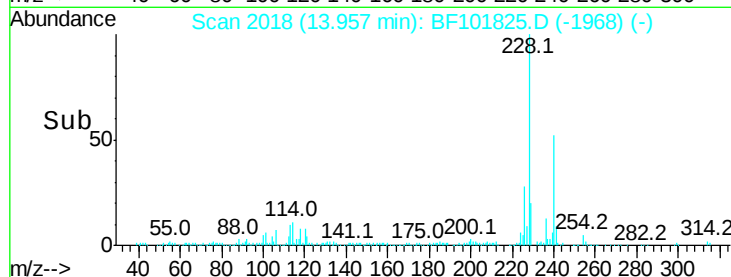
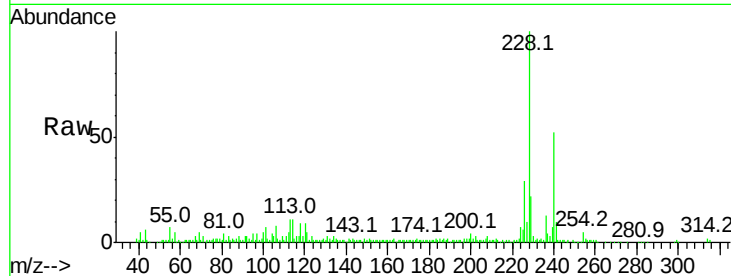
#80
Benzo(a)anthracene
Concen: 6.792 ng
RT: 13.96 min Scan# 2018
Delta R.T. -0.01 min
Lab File: BF101825.D
Acq: 29 Dec 2017 13:27

Instrument :
BNA_F
ClientSampleId :
PB-05(0-8)

Tot Ion	Ratio	Lower	Upper
228	100		
226	28.9	22.6	33.8
229	21.7	15.8	23.6

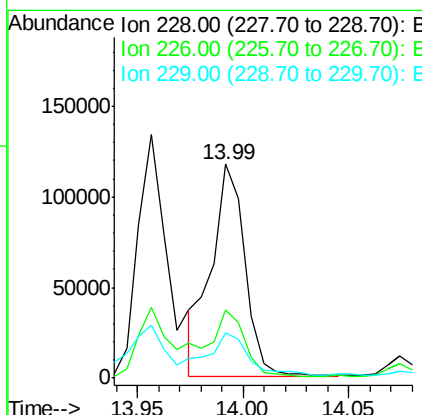
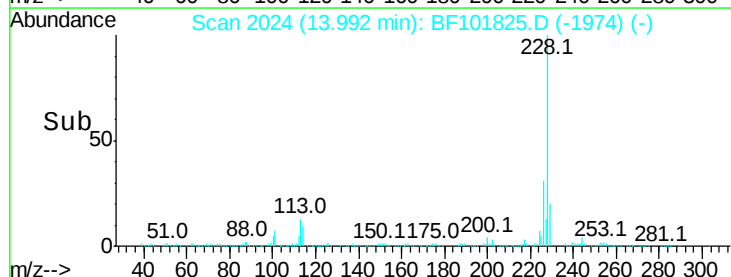
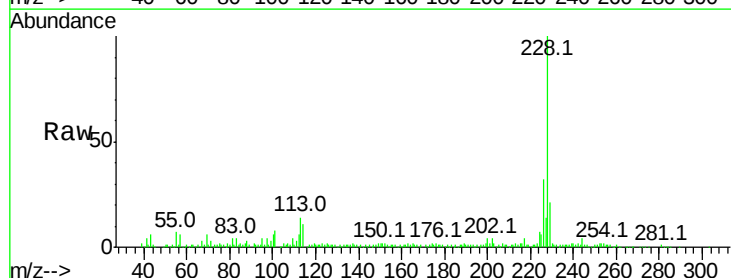
Manual Integrations
APPROVED

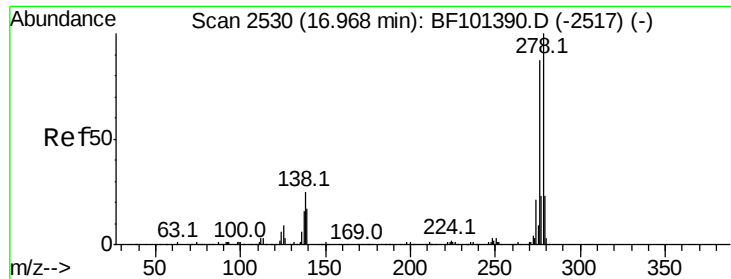
Sohil
1/2/2018 1:05:03 PM



#82
Chrysene
Concen: 6.943 ng
RT: 13.99 min Scan# 2024
Delta R.T. -0.01 min
Lab File: BF101825.D
Acq: 29 Dec 2017 13:27

Tgt Ion	Ratio	Lower	Upper
228	100		
226	32.1	25.0	37.6
229	21.3	16.2	24.4





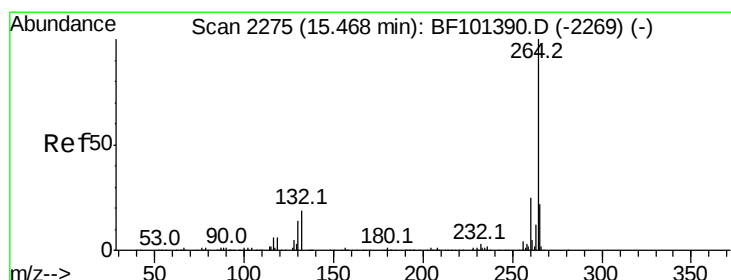
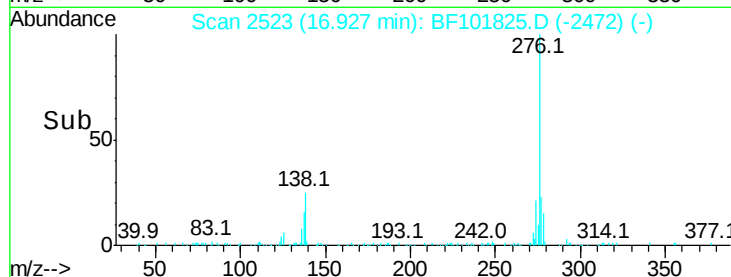
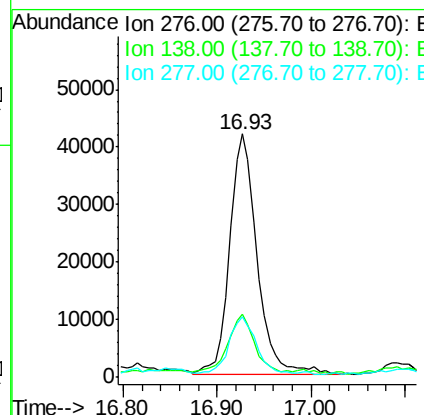
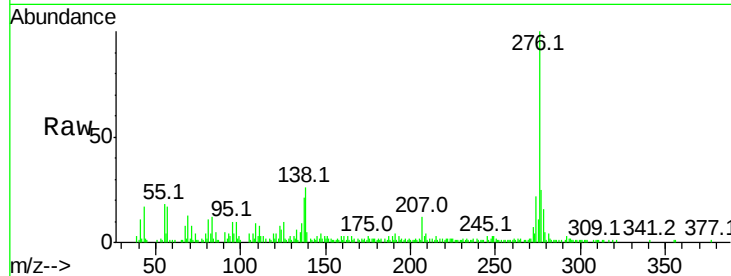
#85
 Indeno(1,2,3-cd)pyrene
 Concen: 5.026 ng
 RT: 16.93 min Scan# 2523
 Delta R.T. 0.00 min
 Lab File: BF101825.D
 Acq: 29 Dec 2017 13:27

Instrument :
 BNA_F
 ClientSampleId :
 PB-05(0-8)

Tot Ion	Ratio	Lower	Upper
276	100		
138	25.3	25.0	37.6
277	23.5	20.1	30.1

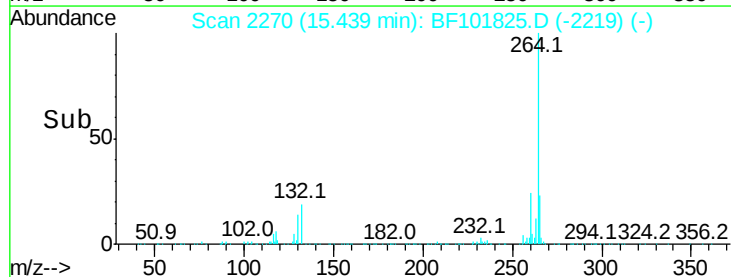
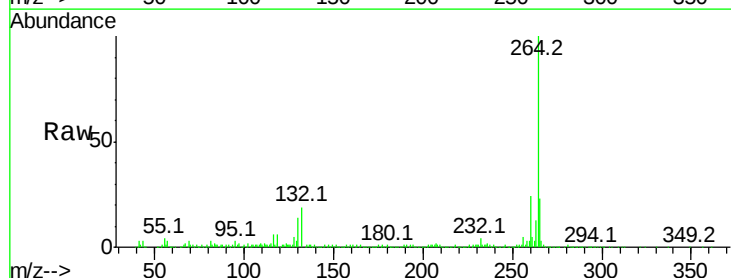
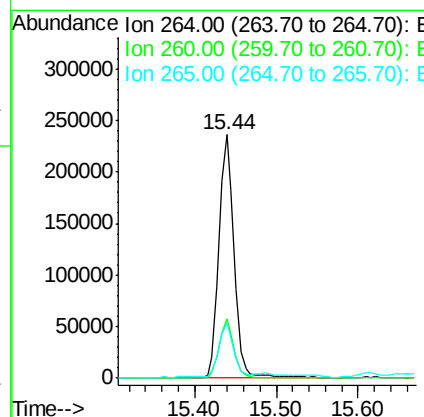
Manual Integrations
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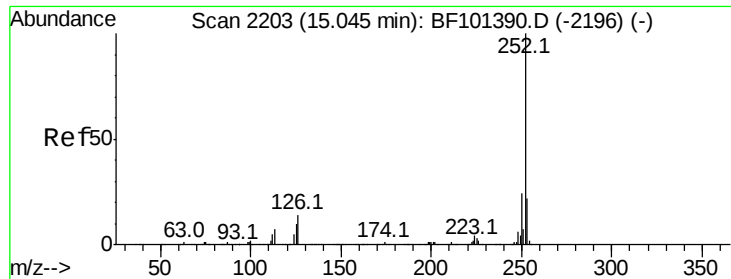
Sohil
 1/2/2018 1:05:03 PM



#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.44 min Scan# 2270
 Delta R.T. 0.00 min
 Lab File: BF101825.D
 Acq: 29 Dec 2017 13:27

Tgt Ion	Ratio	Lower	Upper
264	100		
260	24.2	19.2	28.8
265	22.8	17.5	26.3





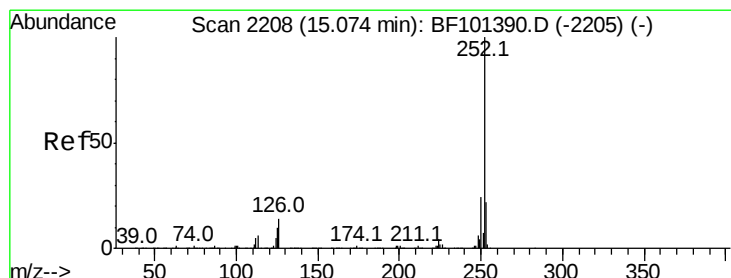
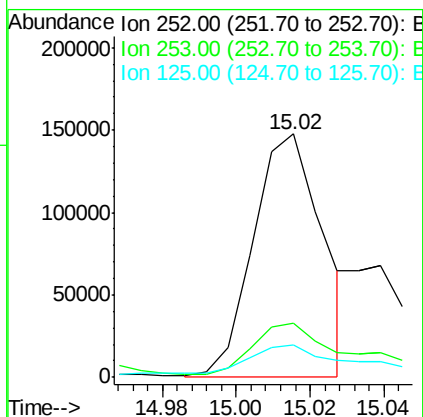
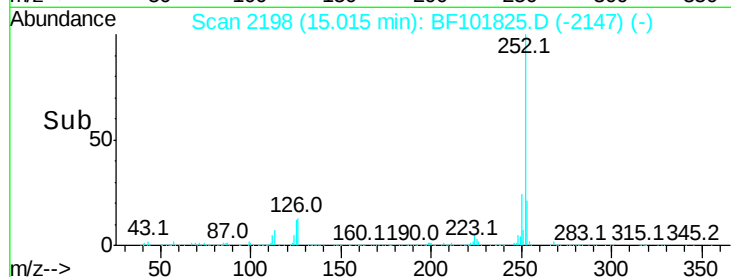
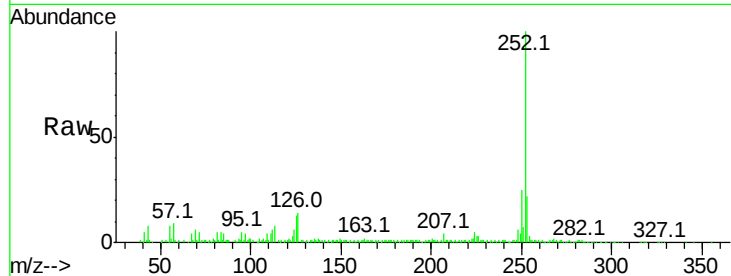
#87
Benzo(b)fluoranthene
Concen: 10.436 ng m
RT: 15.02 min Scan# 2198
Delta R.T. 0.00 min
Lab File: BF101825.D
Acq: 29 Dec 2017 13:27

Instrument :
BNA_F
ClientSampleId :
PB-05(0-8)

Tot Ion	Ratio	Resp Lower	Upper
252	100		
253	22.0	17.0	25.6
125	13.2	9.0	13.6

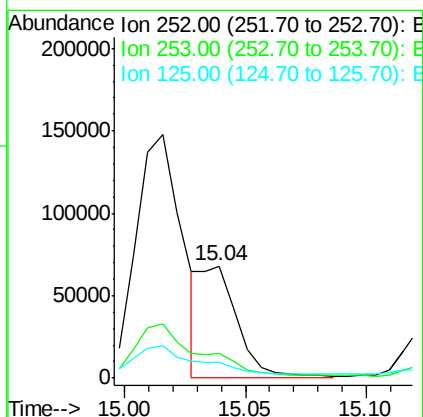
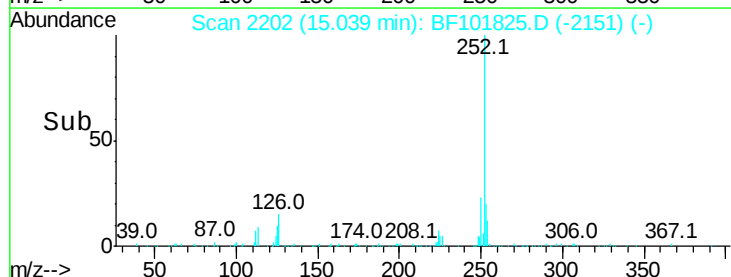
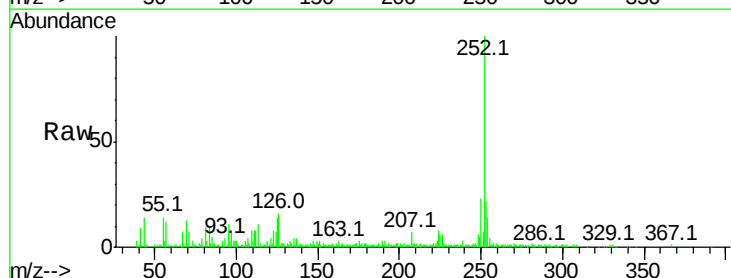
Manual Integrations
APPROVED

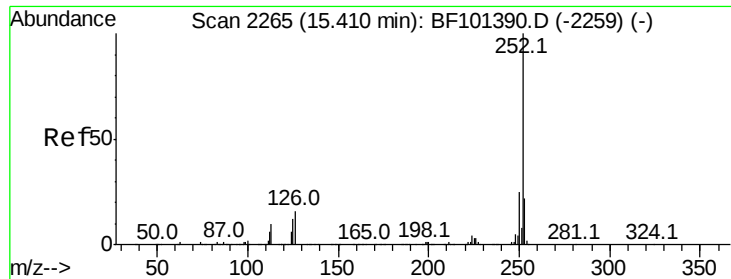
Sohil
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#88
Benzo(k)fluoranthene
Concen: 4.107 ng m
RT: 15.04 min Scan# 2202
Delta R.T. 0.00 min
Lab File: BF101825.D
Acq: 29 Dec 2017 13:27

Tgt Ion	Ratio	Resp Lower	Upper
252	100		
253	22.0	17.9	26.9
125	14.3	10.2	15.2





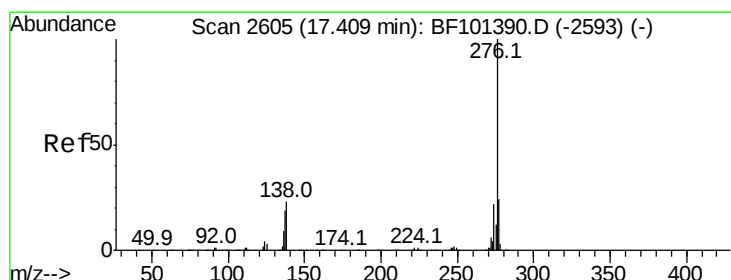
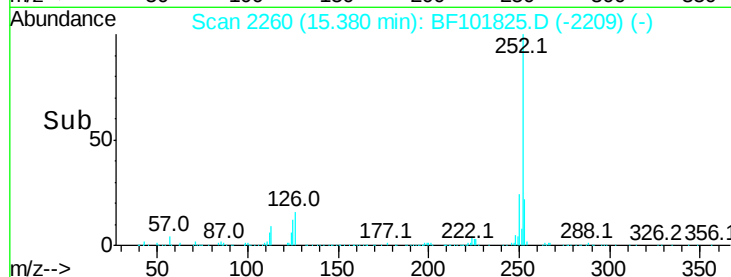
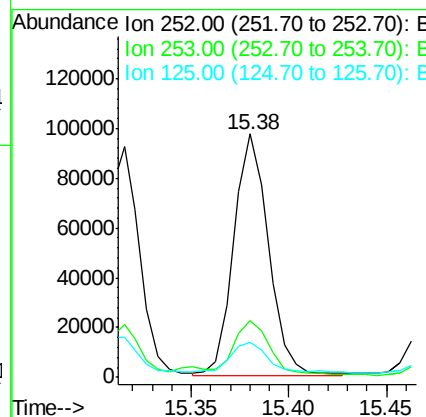
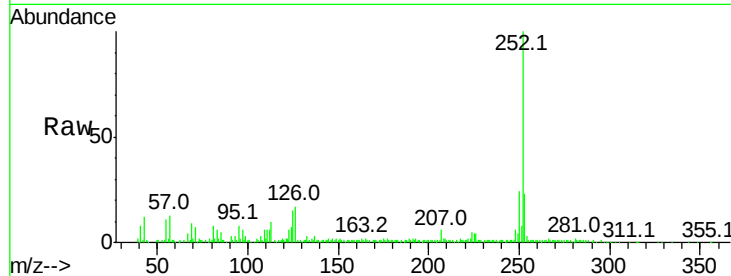
#89
Benzo(a)pyrene
Concen: 7.047 ng
RT: 15.38 min Scan# 2260
Delta R.T. 0.00 min
Lab File: BF101825.D
Acq: 29 Dec 2017 13:27

Instrument :
BNA_F
ClientSampleId :
PB-05(0-8)

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.5	17.1	25.7
125	14.5	9.8	14.6

Manual Integrations
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1/2/2018 1:05:03 PM



#91
Benzo(g,h,i)perylene
Concen: 5.341 ng
RT: 17.39 min Scan# 2601
Delta R.T. 0.02 min
Lab File: BF101825.D
Acq: 29 Dec 2017 13:27

Tgt Ion	Ratio	Lower	Upper
276	100		
277	24.5	17.9	26.9
138	26.0	21.8	32.8

