

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF121517\
 Data File : BF101453.D
 Acq On : 15 Dec 2017 19:54
 Operator : SJ/JU
 Sample : I6679-07 10X
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 HR-05-121317-C

Manual Integrations
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Quant Time: Dec 15 22:27:07 2017
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF121417.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Dec 15 17:36:17 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.82	152	161003	20.00	ng	0.00
21) Naphthalene-d8	8.10	136	640873	20.00	ng	0.00
38) Acenaphthene-d10	9.85	164	264117	20.00	ng	0.00
63) Phenanthrene-d10	11.35	188	433608	20.00	ng	0.00
75) Chrysene-d12	13.99	240	315774	20.00	ng	0.00
86) Perylene-d12	15.47	264	282018	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.44	112	112067	10.37	ng	0.01
7) Phenol-d6	6.46	99	144117	10.71	ng	0.00
23) Nitrobenzene-d5	7.39	82	82579	7.17	ng	0.00
41) 2,4,6-Tribromophenol	10.65	330	24051	9.45	ng	0.00
44) 2-Fluorobiphenyl	9.17	172	159114	9.35	ng	0.00
78) Terphenyl-d14	12.93	244	121039	9.24	ng	0.00
Target Compounds						
70) Phenanthrene	11.37	178	54769	2.271	ng	Qvalue 97
74) Fluoranthene	12.56	202	112421	4.442	ng	96
77) Pyrene	12.79	202	118746	5.011	ng	99
80) Benzo(a)anthracene	13.99	228	55448	2.659	ng	96
82) Chrysene	14.02	228	56262	2.858	ng	94
87) Benzo(b)fluoranthene	15.04	252	62819m	3.654	ng	
89) Benzo(a)pyrene	15.41	252	50003	3.155	ng	# 92
91) Benzo(g,h,i)perylene	17.41	276	30072	2.232	ng	95

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

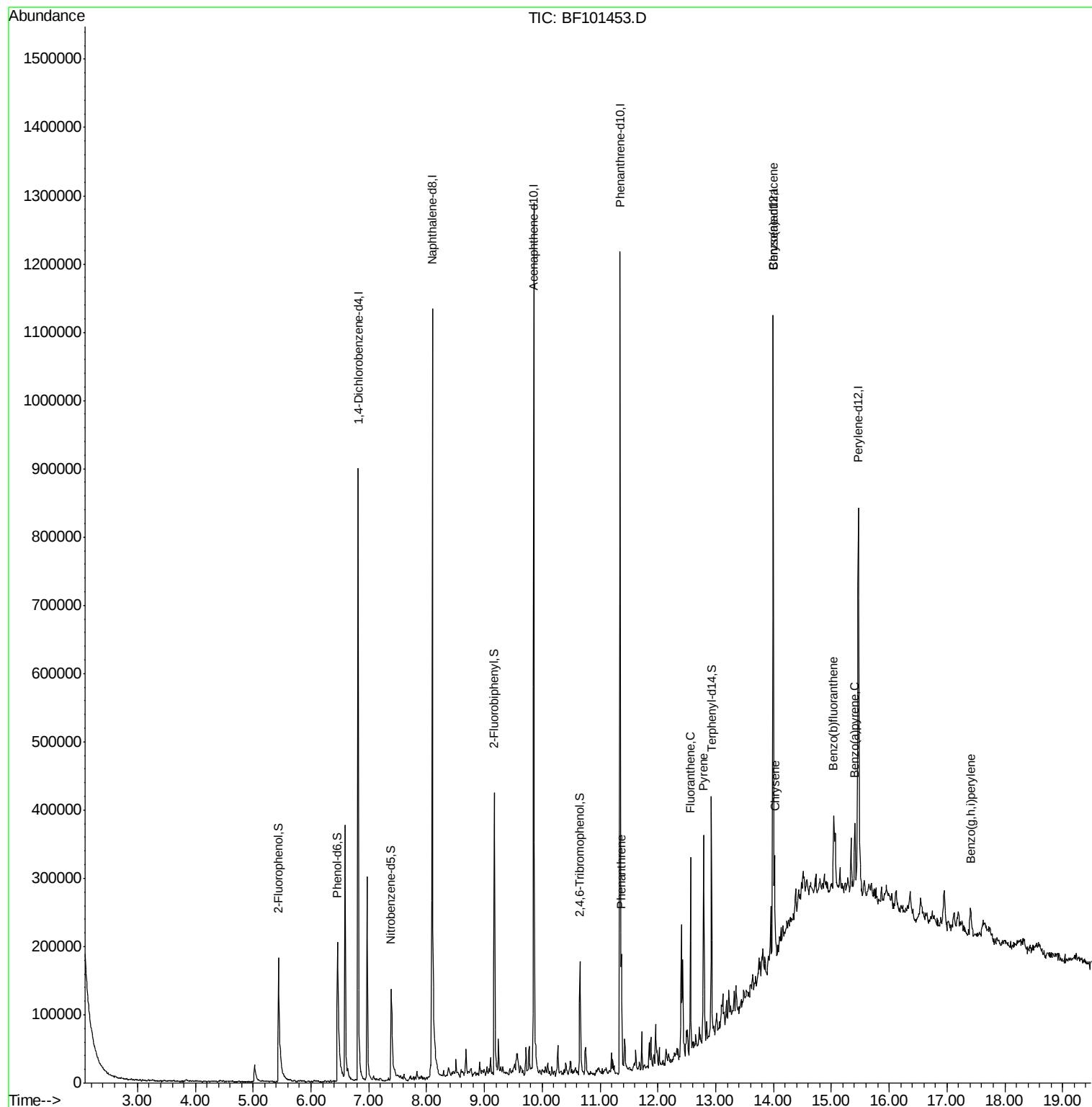
Data Path : Z:\HPCHEM1\BNA_F\DATA\BF121517\
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Operator : SJ/JU
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Misc :
ALS Vial : 16 Sample Multiplier: 1

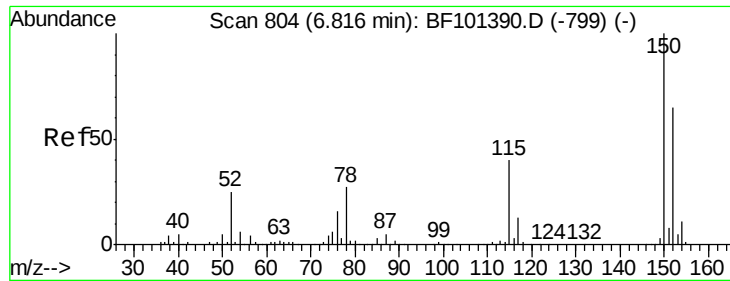
Instrument :
BNA_F
ClientSampleId :
HR-05-121317-C

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Quant Time: Dec 15 22:27:07 2017
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF121417.M
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Response via : Initial Calibration





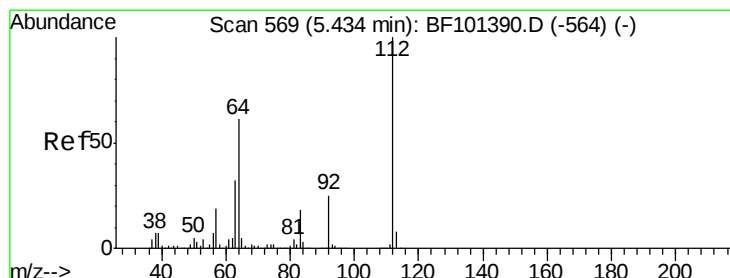
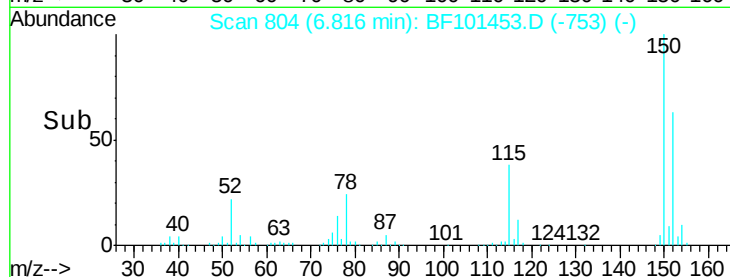
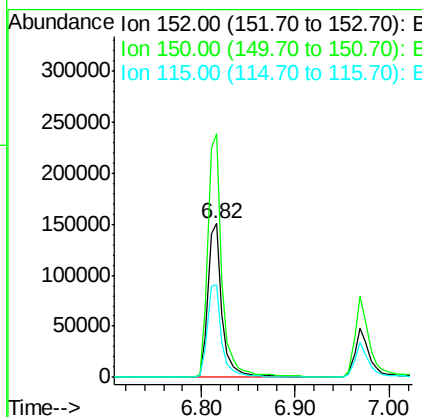
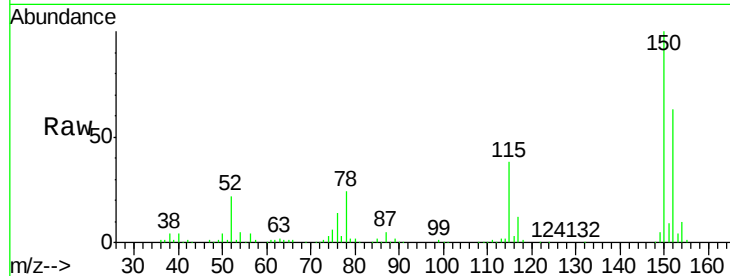
#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.82 min Scan# 804
 Delta R.T. 0.00 min
 Lab File: BF101453.D
 Acq: 15 Dec 2017 19:54

Instrument :
 BNA_F
 ClientSampleId :
 HR-05-121317-C

Tgt Ion	Ratio	Lower	Upper
152	100		
150	158.6	124.6	186.8
115	60.1	50.1	75.1

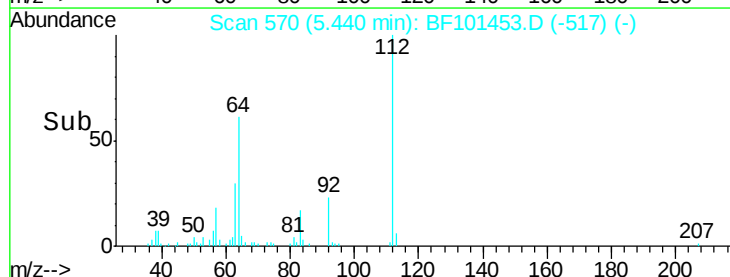
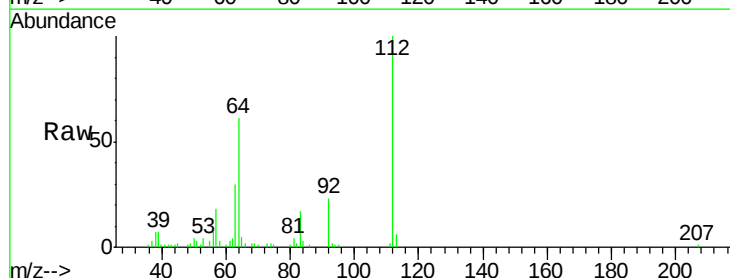
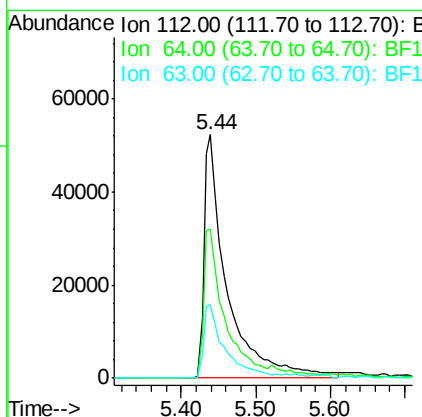
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#5
 2-Fluorophenol
 Concen: 10.368 ng
 RT: 5.44 min Scan# 570
 Delta R.T. 0.01 min
 Lab File: BF101453.D
 Acq: 15 Dec 2017 19:54

Tgt Ion	Ratio	Lower	Upper
112	100		
64	61.2	47.9	71.9
63	30.3	23.7	35.5





#7

Phenol-d6

Concen: 10.714 ng

RT: 6.46 min Scan# 743

Delta R.T. 0.00 min

Lab File: BF101453.D

Acq: 15 Dec 2017 19:54

Instrument :

BNA_F

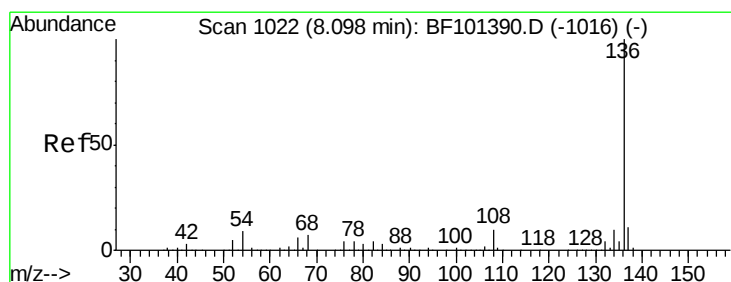
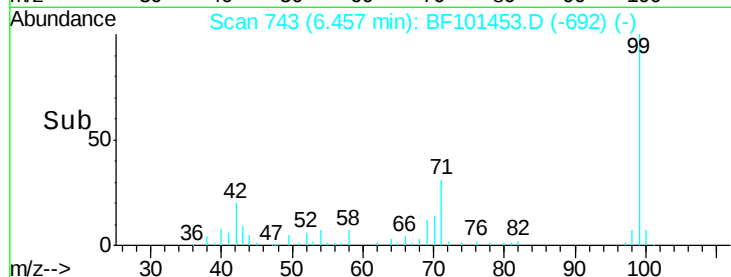
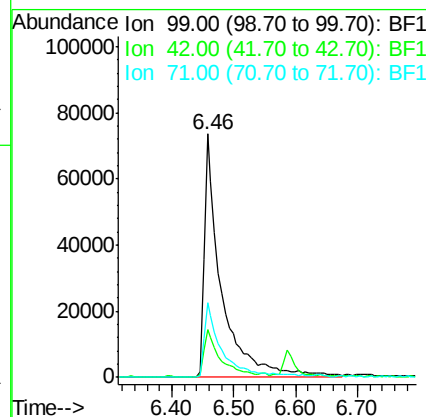
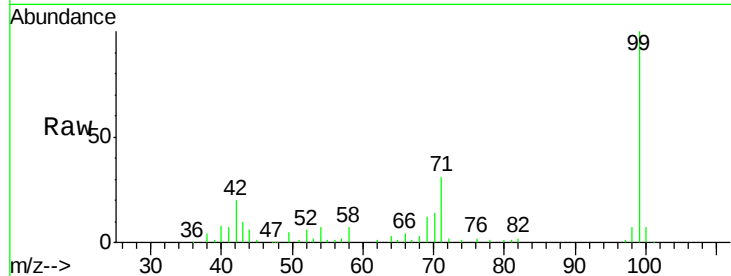
ClientSampleId :

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Tgt Ion:	99	Resp:	144117
Ion Ratio	Lower	Upper	
99	100		
42	19.7	14.5	21.7
71	30.5	25.4	38.0

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#21

Naphthalene-d8

Concen: 20.000 ng

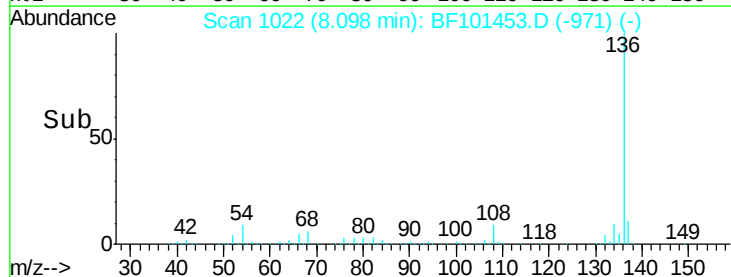
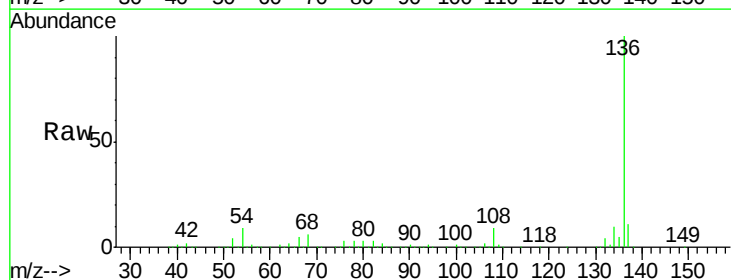
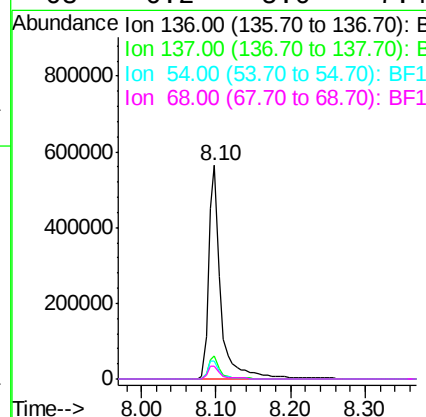
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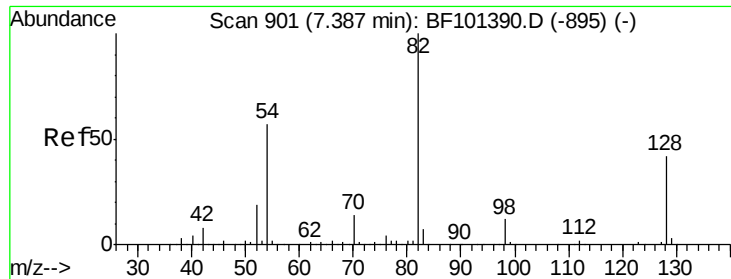
Delta R.T. 0.00 min

Lab File: BF101453.D

Acq: 15 Dec 2017 19:54

Tgt Ion:	136	Resp:	640873
Ion Ratio	Lower	Upper	
136	100		
137	10.9	8.9	13.3
54	8.6	6.6	9.8
68	6.2	5.0	7.4





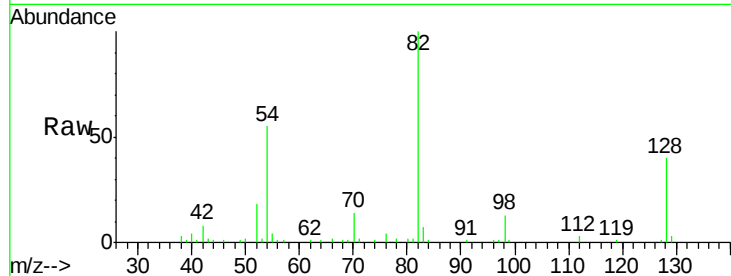
#23
Nitrobenzene-d5
Concen: 7.173 ng
RT: 7.39 min Scan# 901
Delta R.T. 0.00 min
Lab File: BF101453.D
Acq: 15 Dec 2017 19:54

Instrument :
BNA_F
ClientSampleId :
HR-05-121317-C

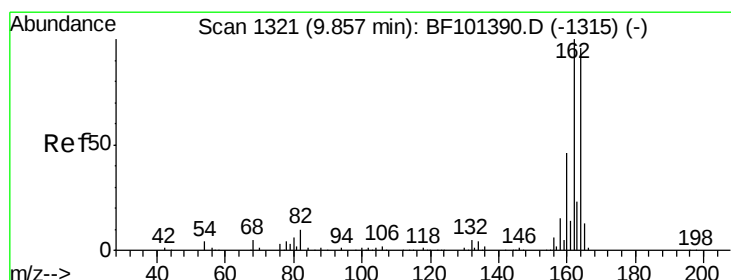
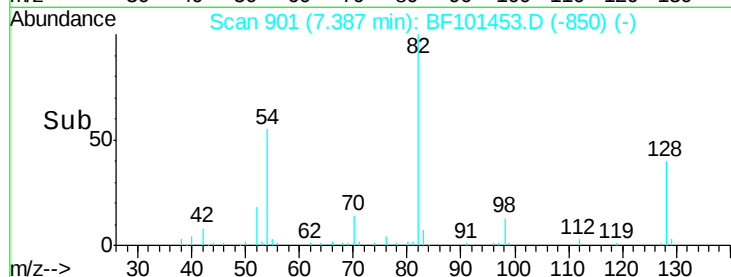
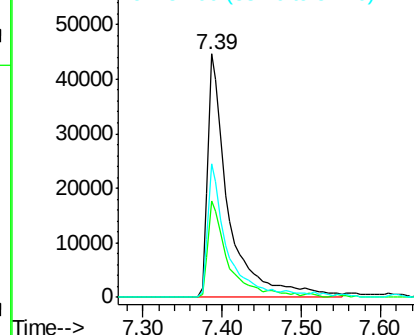
Tgt Ion	Ratio	Lower	Upper
82	100		
128	39.7	36.1	54.1
54	55.1	41.4	62.2

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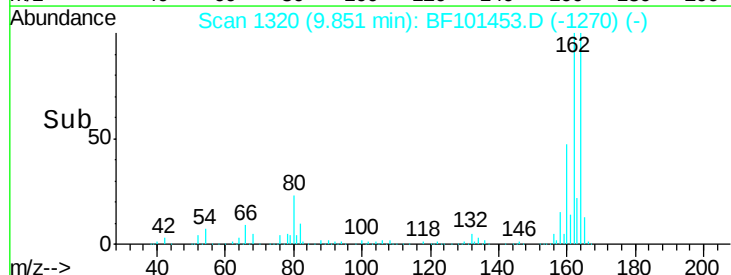
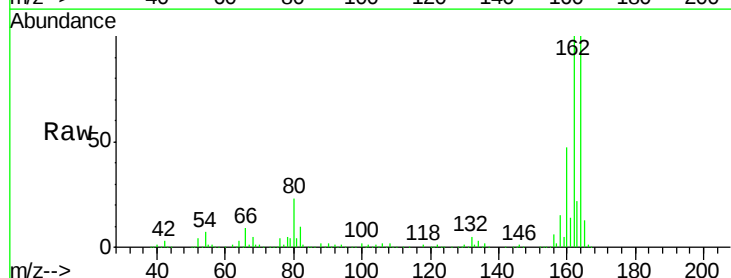
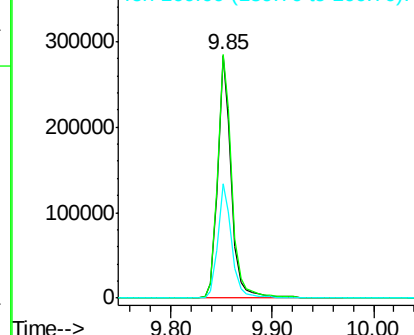
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Ion 128.00 (127.70 to 128.70): BF1
Ion 54.00 (53.70 to 54.70): BF1

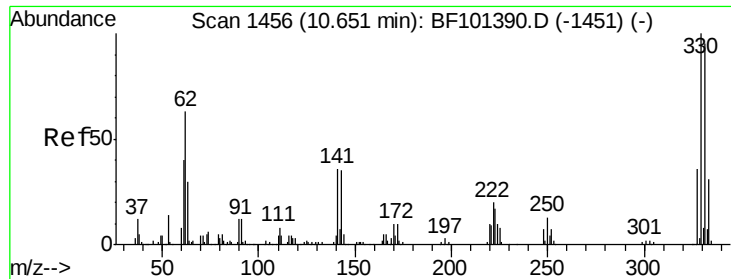


#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.85 min Scan# 1320
Delta R.T. -0.01 min
Lab File: BF101453.D
Acq: 15 Dec 2017 19:54

Tgt Ion	Ratio	Lower	Upper
164	100		
162	100.2	86.1	129.1
160	47.0	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





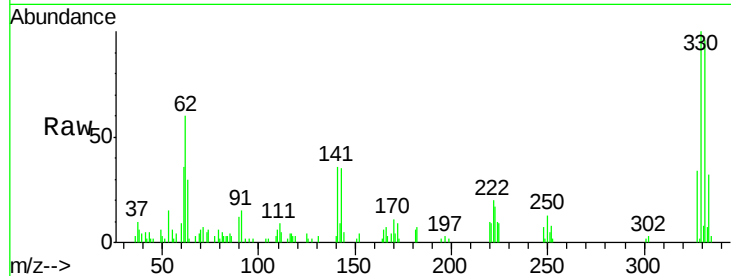
#41
 2,4,6-Tribromophenol
 Concen: 9.450 ng
 RT: 10.65 min Scan# 1456
 Delta R.T. 0.00 min
 Lab File: BF101453.D
 Acq: 15 Dec 2017 19:54

Instrument :
 BNA_F
 ClientSampleId :
 HR-05-121317-C

Tgt Ion	Ratio	Lower	Upper
330	100		
332	94.8	77.0	115.6
141	36.1	29.9	44.9

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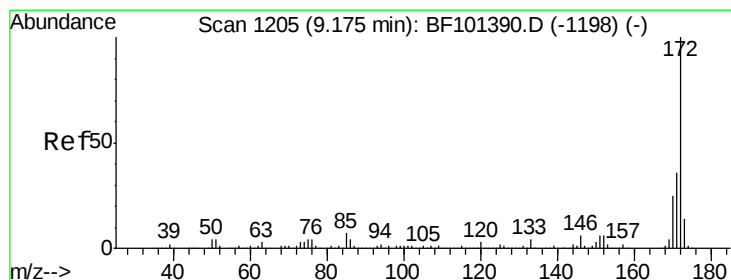
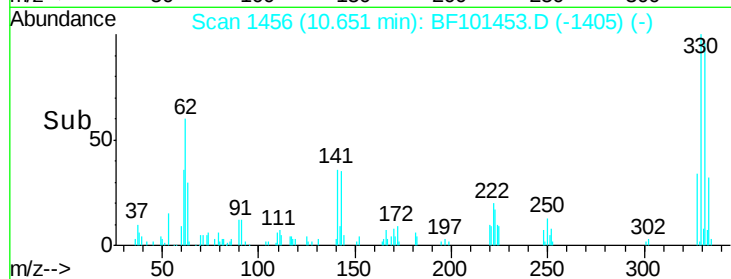
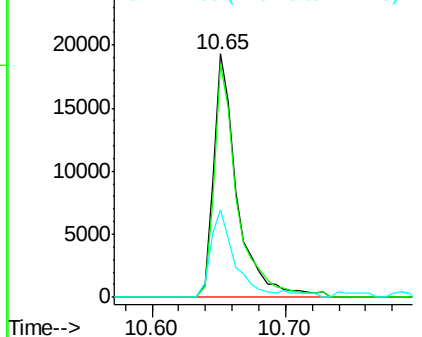


Abundance

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: 9.345 ng
 RT: 9.17 min Scan# 1204
 Delta R.T. -0.01 min
 Lab File: BF101453.D
 Acq: 15 Dec 2017 19:54

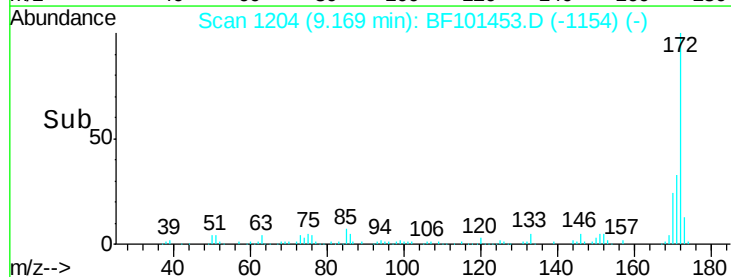
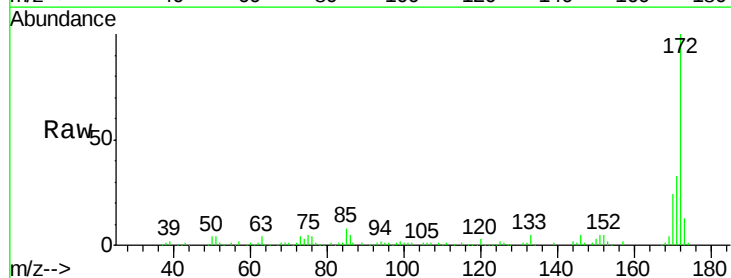
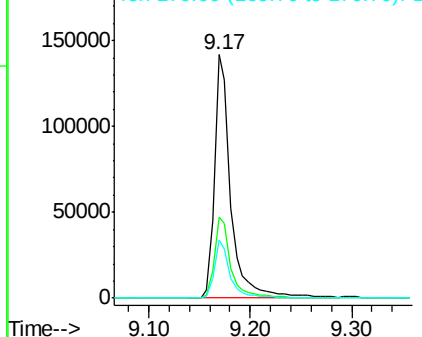
Tgt Ion	Ratio	Lower	Upper
172	100		
171	33.3	29.7	44.5
170	23.7	19.6	29.4

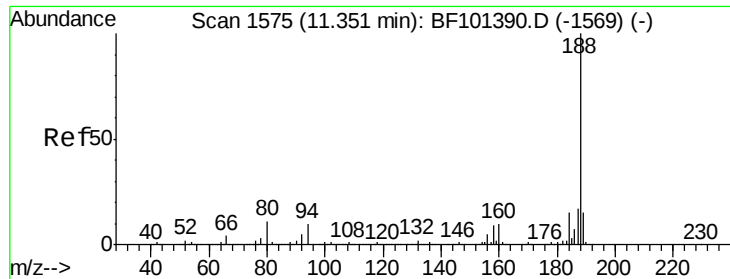
Abundance

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





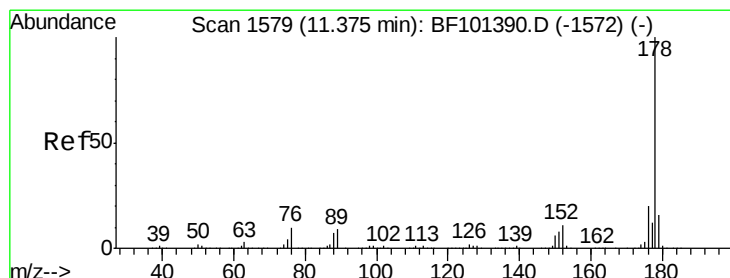
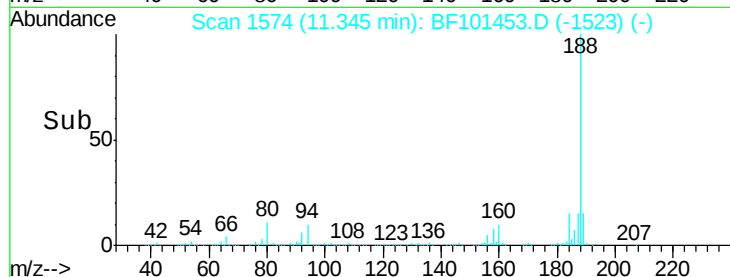
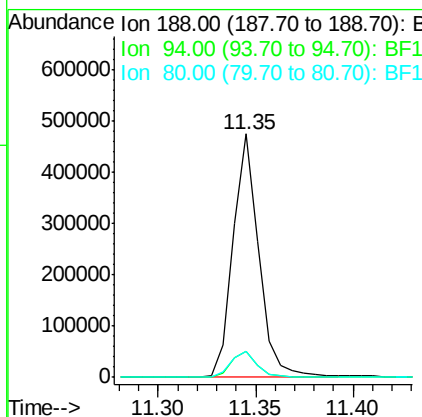
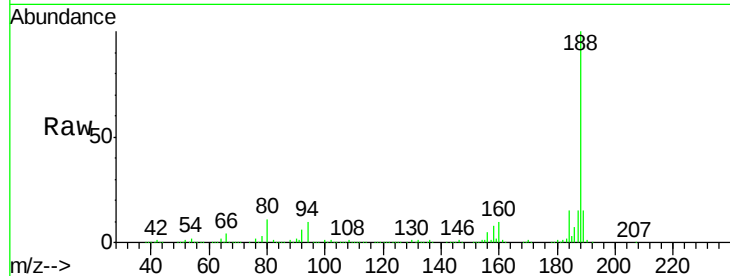
#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.35 min Scan# 1574
Delta R.T. 0.00 min
Lab File: BF101453.D
Acq: 15 Dec 2017 19:54

Instrument :
BNA_F
ClientSampleId :
HR-05-121317-C

Tgt Ion	Ratio	Resp	Lower	Upper
188	100	433608		
94	10.4		8.5	12.7
80	10.9		9.2	13.8

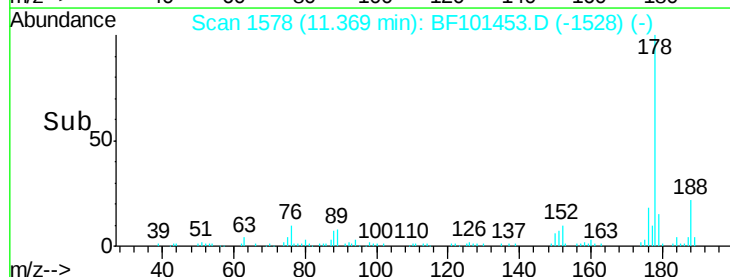
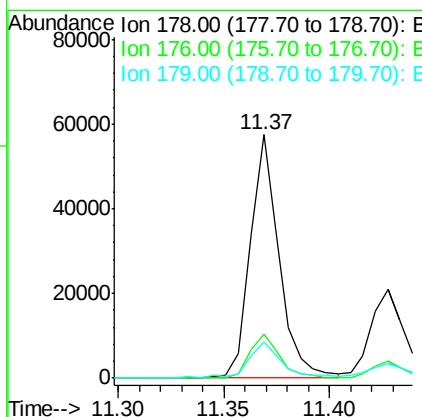
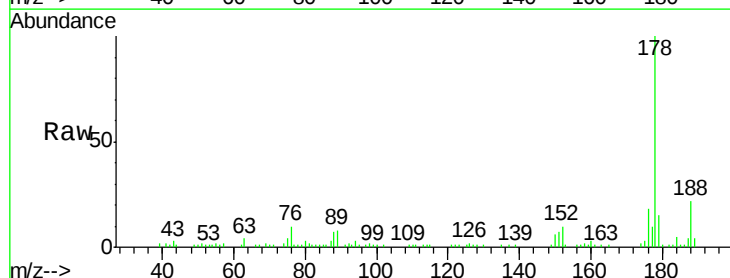
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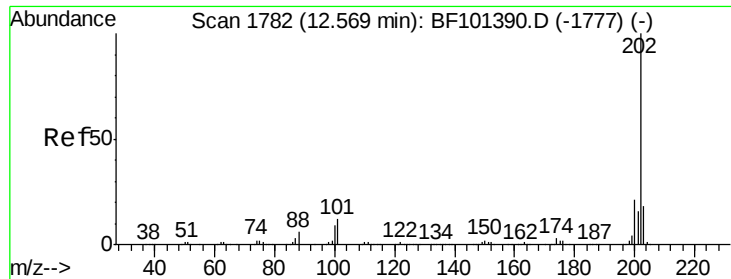
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#70
Phenanthrene
Concen: 2.271 ng
RT: 11.37 min Scan# 1578
Delta R.T. -0.01 min
Lab File: BF101453.D
Acq: 15 Dec 2017 19:54

Tgt Ion	Ratio	Resp	Lower	Upper
178	100	54769		
176	18.2		15.8	23.8
179	14.8		13.0	19.6





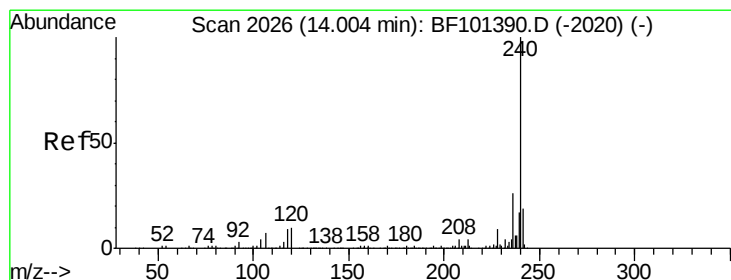
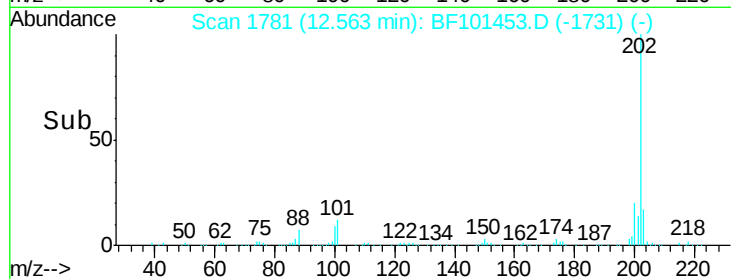
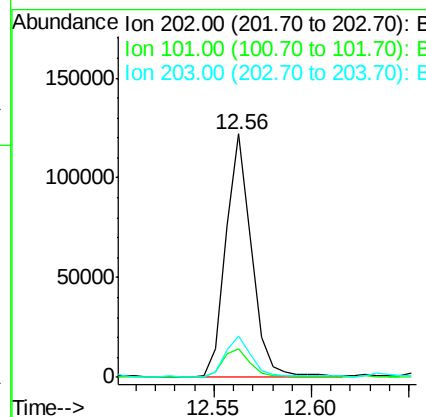
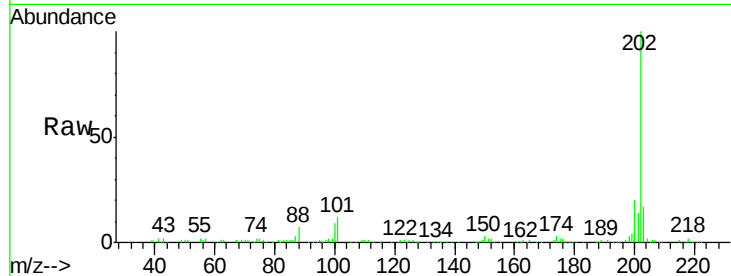
#74
Fluoranthene
Concen: 4.442 ng
RT: 12.56 min Scan# 1781
Delta R.T. -0.01 min
Lab File: BF101453.D
Acq: 15 Dec 2017 19:54

Instrument :
BNA_F
ClientSampleId :
HR-05-121317-C

Tgt Ion	Ratio	Resp Lower	Resp Upper
202	100		
101	11.6	0.0	34.1
203	16.8	0.0	38.1

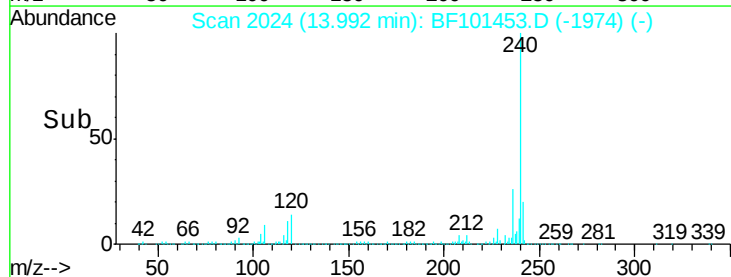
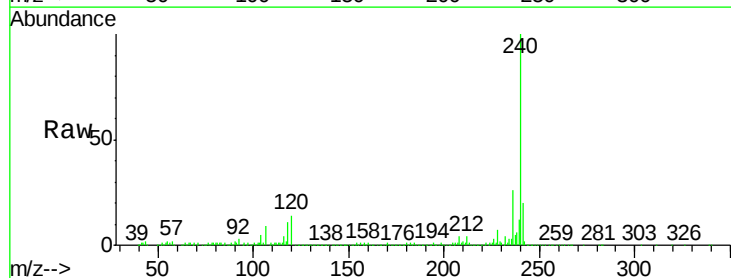
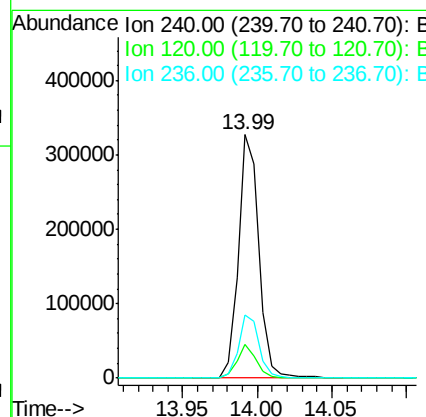
Manual Integrations
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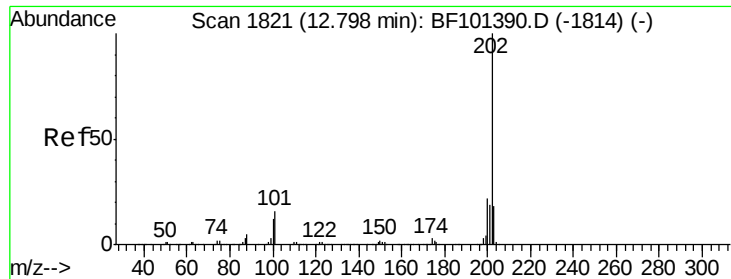
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#75
Chrysene-d12
Concen: 20.000 ng
RT: 13.99 min Scan# 2024
Delta R.T. -0.01 min
Lab File: BF101453.D
Acq: 15 Dec 2017 19:54

Tgt Ion	Ratio	Resp Lower	Resp Upper
240	100		
120	13.8	9.5	14.3
236	26.0	20.7	31.1





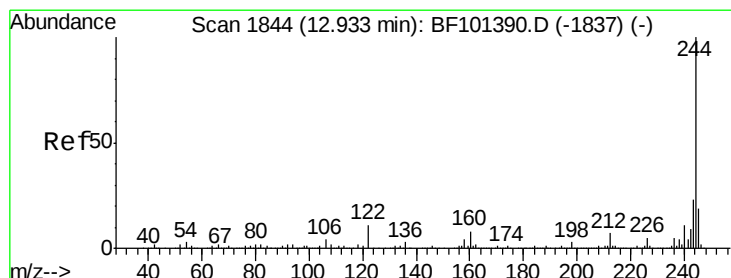
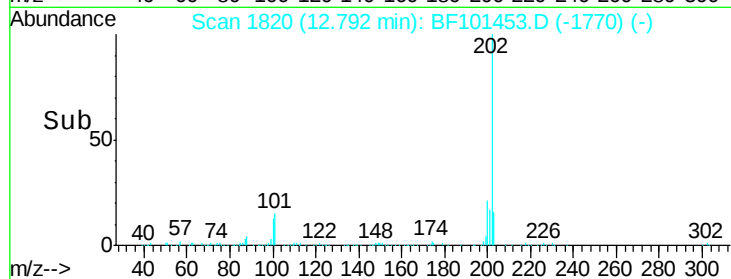
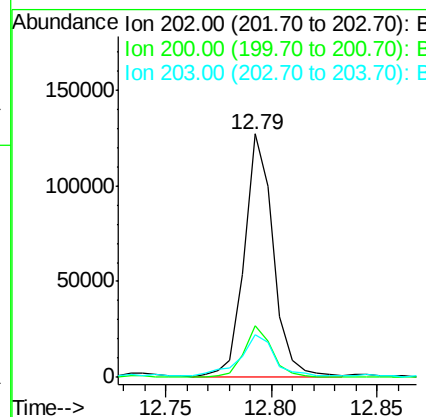
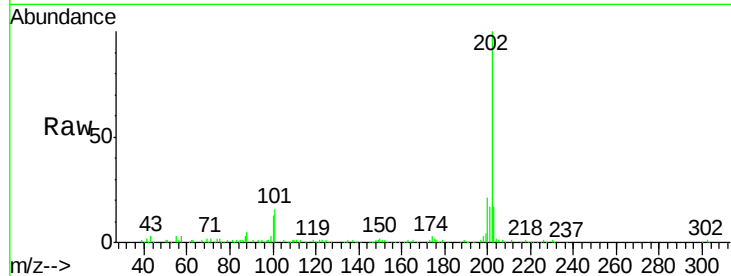
#77
 Pyrene
 Concen: 5.011 ng
 RT: 12.79 min Scan# 1820
 Delta R.T. -0.01 min
 Lab File: BF101453.D
 Acq: 15 Dec 2017 19:54

Instrument :
 BNA_F
 ClientSampleId :
 HR-05-121317-C

Tgt Ion	Ratio	Resp Lower	Resp Upper
202	100		
200	21.3	17.4	26.2
203	17.4	14.3	21.5

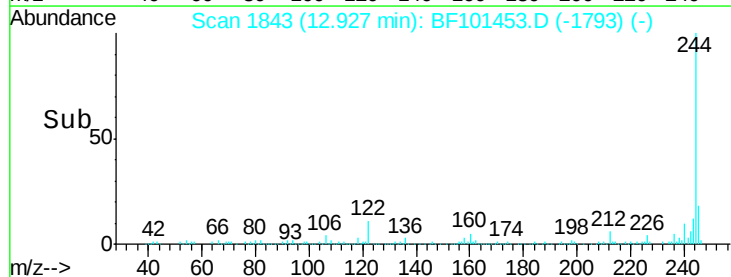
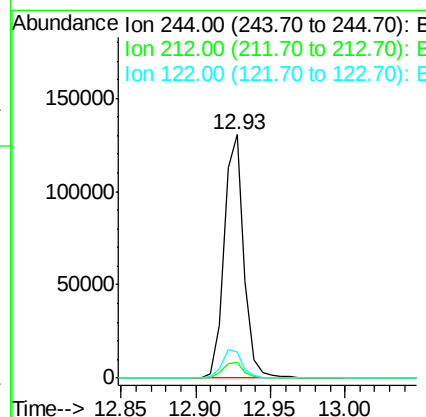
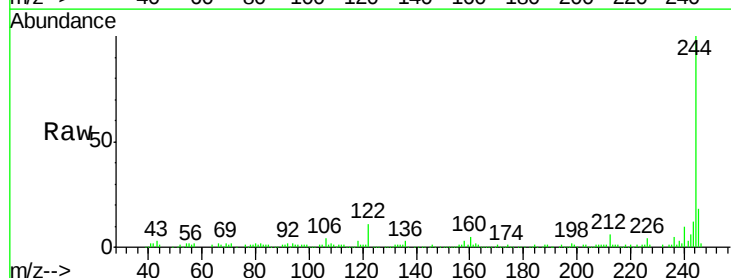
Manual Integrations
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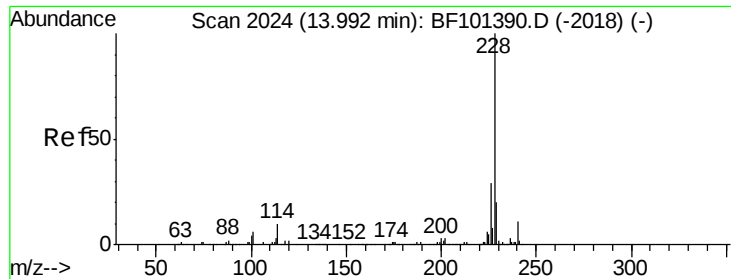
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#78
 Terphenyl-d14
 Concen: 9.241 ng
 RT: 12.93 min Scan# 1843
 Delta R.T. -0.01 min
 Lab File: BF101453.D
 Acq: 15 Dec 2017 19:54

Tgt Ion	Ratio	Resp Lower	Resp Upper
244	100		
212	6.3	5.4	8.0
122	10.9	11.0	16.4#





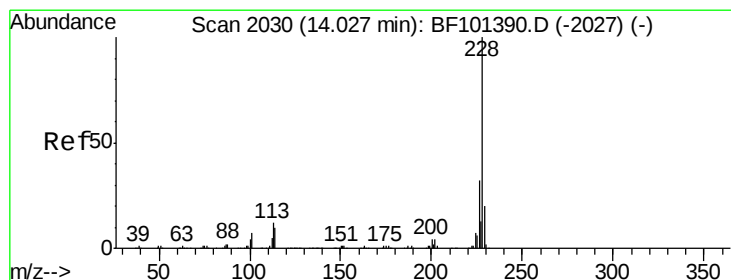
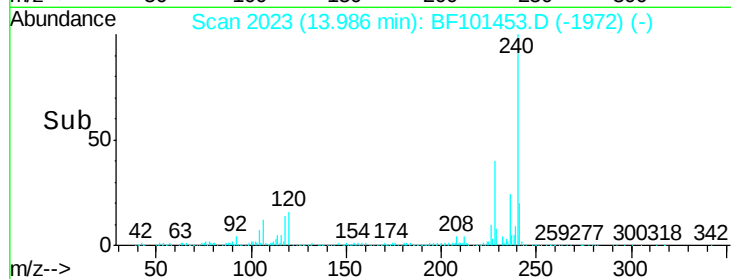
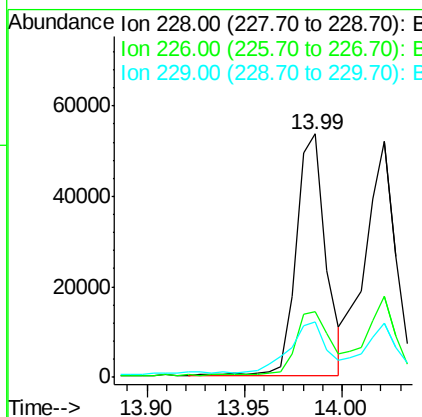
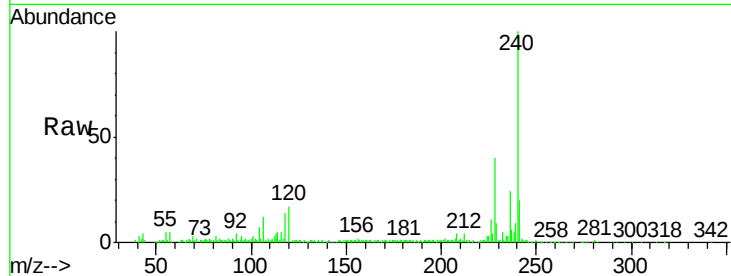
#80
Benzo(a)anthracene
Concen: 2.659 ng
RT: 13.99 min Scan# 2023
Delta R.T. 0.00 min
Lab File: BF101453.D
Acq: 15 Dec 2017 19:54

Instrument :
BNA_F
ClientSampleId :
HR-05-121317-C

Tgt Ion	Ratio	Lower	Upper
228	100		
226	27.1	22.6	33.8
229	22.6	15.8	23.6

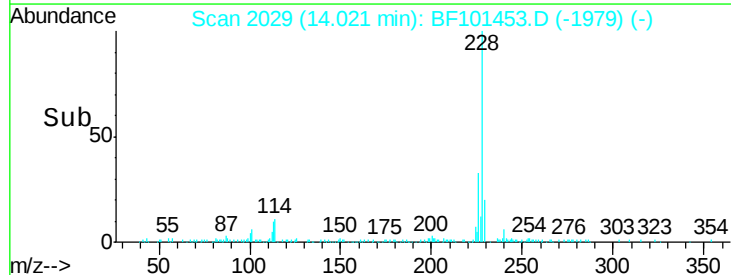
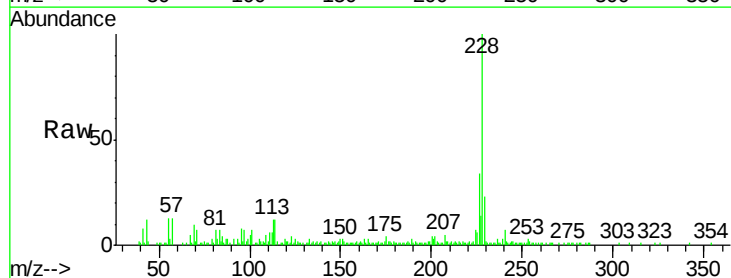
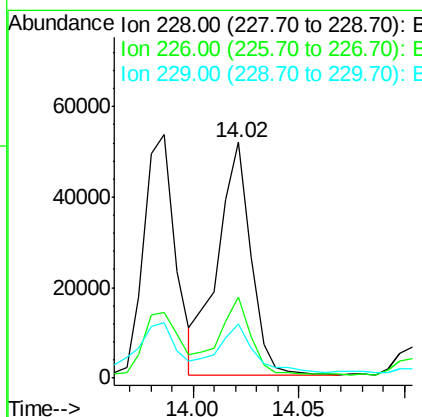
Manual Integrations
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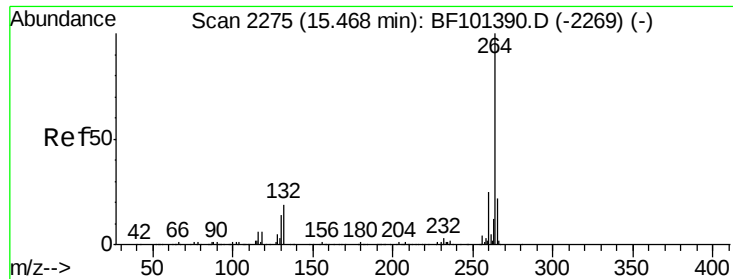
Sohil
12/18/2017 2:04:19 PM



#82
Chrysene
Concen: 2.858 ng
RT: 14.02 min Scan# 2029
Delta R.T. -0.01 min
Lab File: BF101453.D
Acq: 15 Dec 2017 19:54

Tgt Ion	Ratio	Lower	Upper
228	100		
226	34.2	25.0	37.6
229	23.1	16.2	24.4





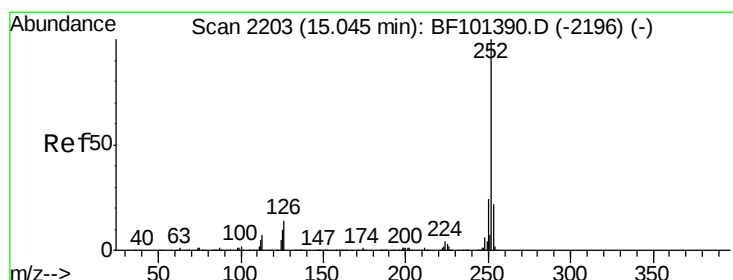
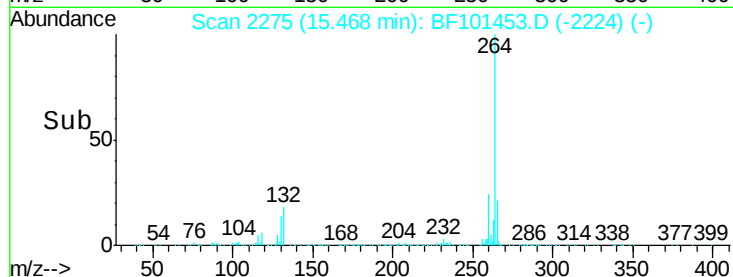
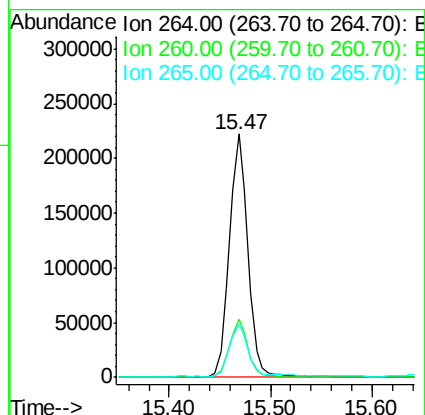
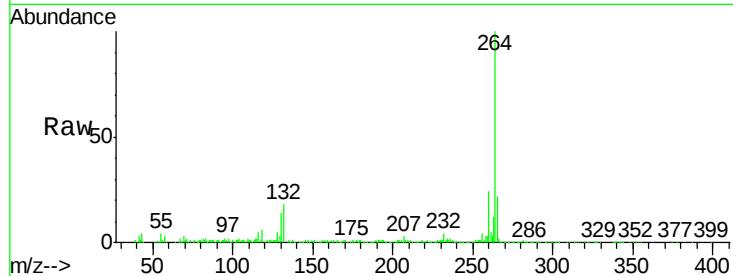
#86
Perylene-d12
Concen: 20.000 ng
RT: 15.47 min Scan# 2275
Delta R.T. 0.00 min
Lab File: BF101453.D
Acq: 15 Dec 2017 19:54

Instrument :
BNA_F
ClientSampleId :
HR-05-121317-C

Tgt Ion	Ratio	Resp	Lower	Upper
264	100	282018		
260	23.7	19.2	28.8	
265	21.6	17.5	26.3	

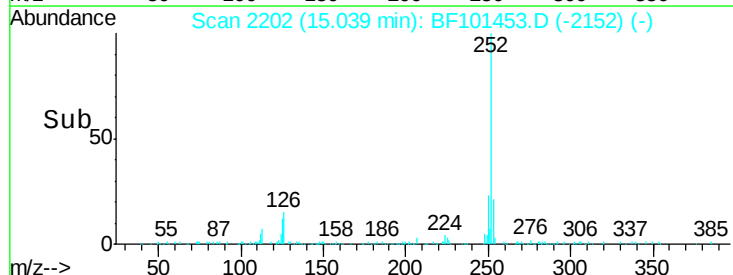
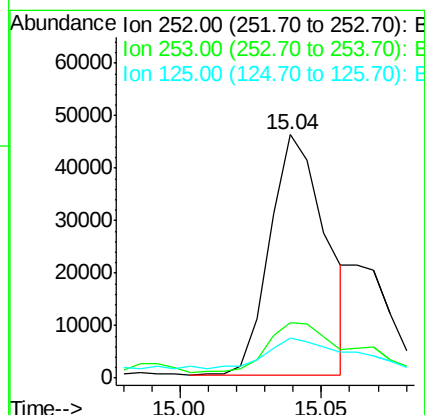
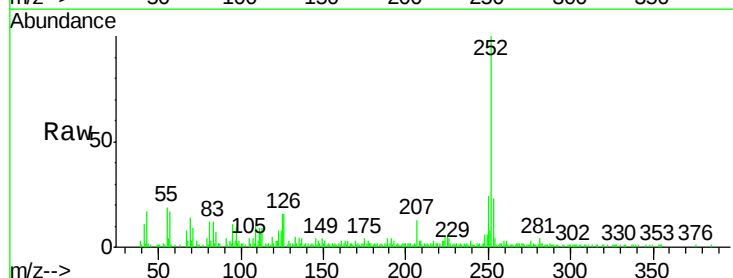
Manual Integrations
APPROVED

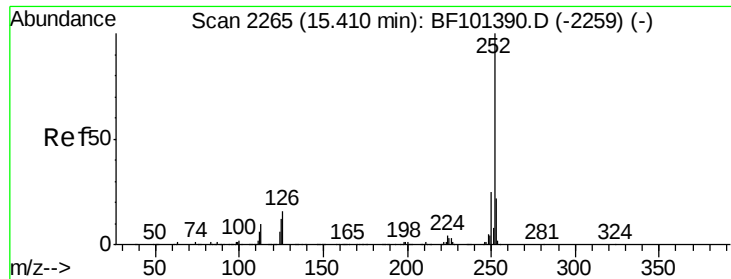
Sohil
12/18/2017 2:04:19 PM



#87
Benzo(b)fluoranthene
Concen: 3.654 ng m
RT: 15.04 min Scan# 2202
Delta R.T. -0.01 min
Lab File: BF101453.D
Acq: 15 Dec 2017 19:54

Tgt Ion	Ratio	Resp	Lower	Upper
252	100	62819		
253	23.0	17.0	25.6	
125	16.3	9.0	13.6#	





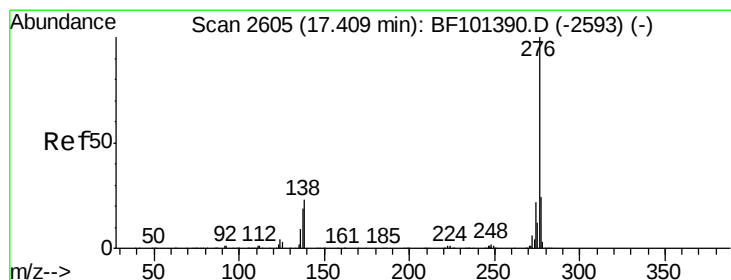
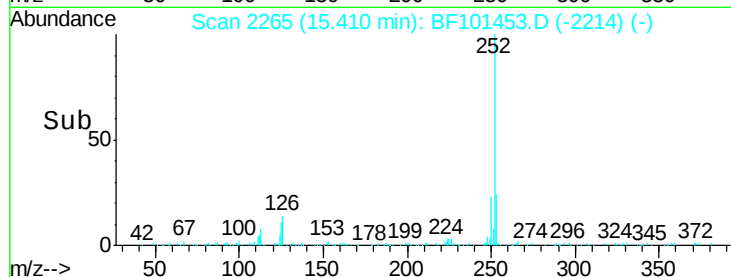
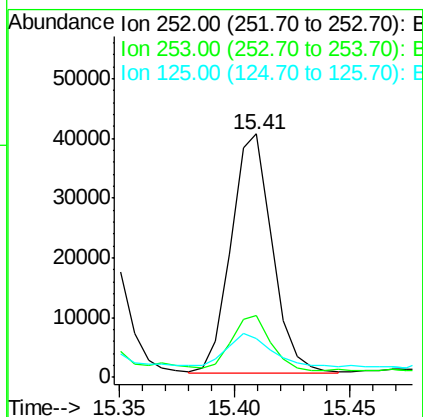
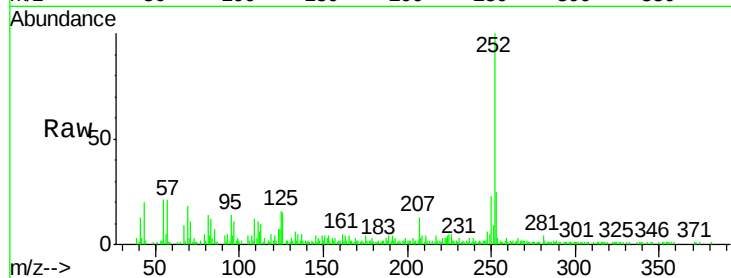
#89
Benzo(a)pyrene
Concen: 3.155 ng
RT: 15.41 min Scan# 2265
Delta R.T. 0.00 min
Lab File: BF101453.D
Acq: 15 Dec 2017 19:54

Instrument :
BNA_F
ClientSampleId :
HR-05-121317-C

Tgt Ion	Ratio	Lower	Upper
252	100		
253	25.3	17.1	25.7
125	15.7	9.8	14.6

Manual Integrations
APPROVED

Sohil
12/18/2017 2:04:19 PM



#91
Benzo(g,h,i)perylene
Concen: 2.232 ng
RT: 17.41 min Scan# 2605
Delta R.T. 0.01 min
Lab File: BF101453.D
Acq: 15 Dec 2017 19:54

Tgt Ion	Ratio	Lower	Upper
276	100		
277	26.3	17.9	26.9
138	26.2	21.8	32.8

