

Data Path : Z:\HPCHEM1\BNA F\DATA\BF122817\
 Data File : BF101812.D
 Acq On : 28 Dec 2017 19:39
 Operator : SJ/JU
 Sample : I6995-01 5X
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TP-1

Manual Integrations
 APPROVED

Sohil
 12/29/2017 11:55:25 AM

Quant Time: Dec 29 05:37:25 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF121417.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Dec 26 10:48:01 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.78	152	147266	20.00	ng	0.00
21) Naphthalene-d8	8.06	136	547119	20.00	ng	0.00
38) Acenaphthene-d10	9.82	164	202938	20.00	ng	-0.01
63) Phenanthrene-d10	11.31	188	312192	20.00	ng	0.00
75) Chrysene-d12	13.96	240	312188	20.00	ng	0.00
86) Perylene-d12	15.43	264	265215	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.42	112	148742	15.05	ng	0.02
7) Phenol-d6	6.45	99	224202	18.22	ng	0.01
23) Nitrobenzene-d5	7.36	82	127820	13.00	ng	0.00
41) 2,4,6-Tribromophenol	10.63	330	15237	7.79	ng	0.00
44) 2-Fluorobiphenyl	9.13	172	240559	18.39	ng	-0.01
78) Terphenyl-d14	12.89	244	163397	12.62	ng	0.00
Target Compounds						
74) Fluoranthene	12.53	202	83834	4.600	ng	97
77) Pyrene	12.76	202	81296	3.470	ng	100
82) Chrysene	13.99	228	42158	2.166	ng	98
87) Benzo(b)fluoranthene	15.01	252	44340m	2.743	ng	

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

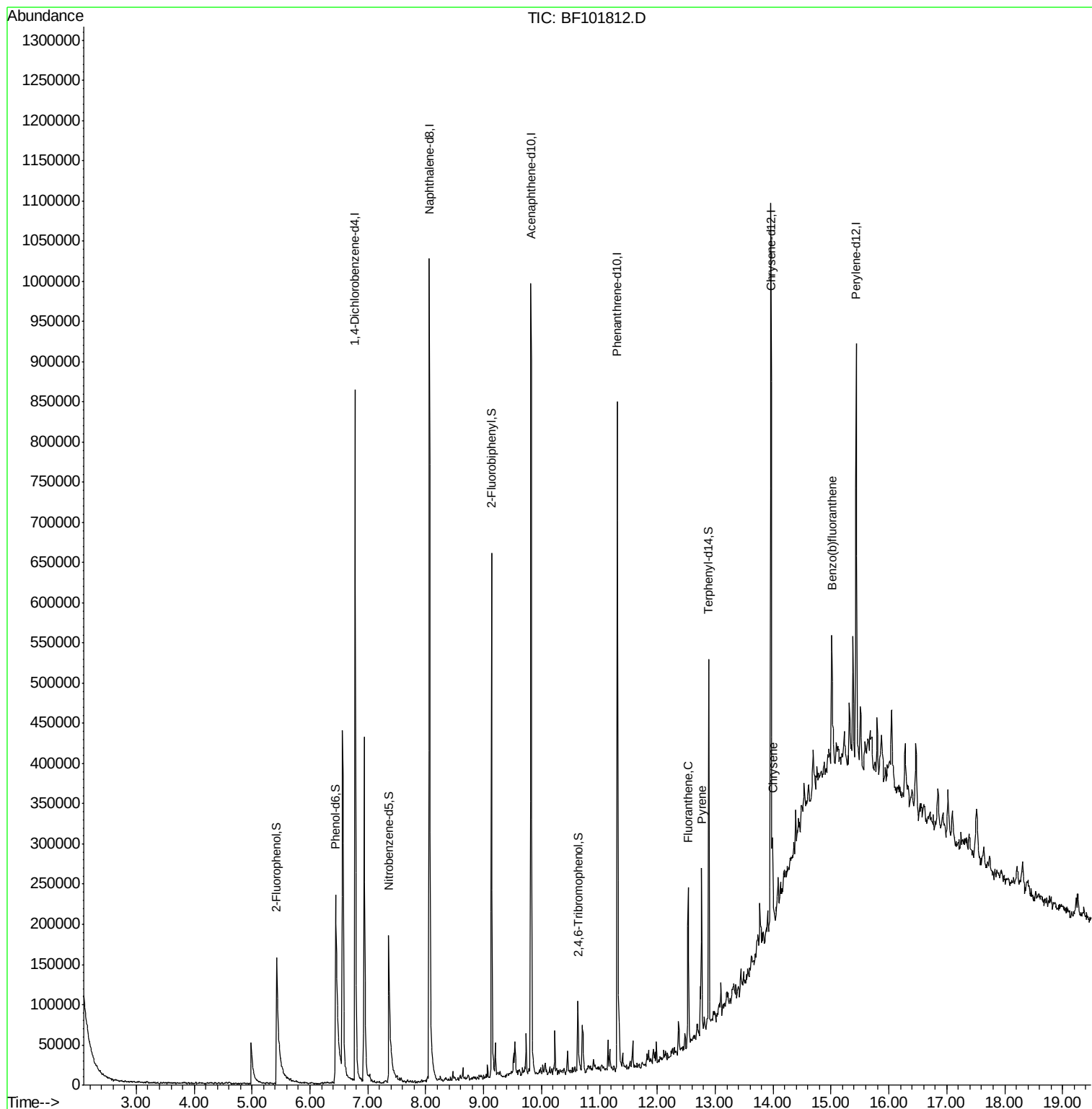
Data Path : Z:\HPCHEM1\BNA F\DATA\BF122817\
Data File : BF101812.D
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ALS Vial : 19 Sample Multiplier: 1

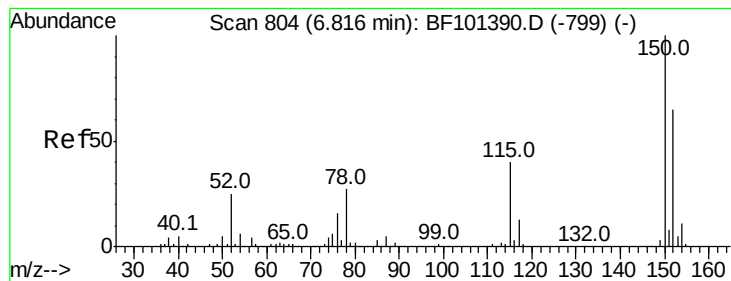
Instrument :
BNA_F
ClientSampled :
TP-1

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#1

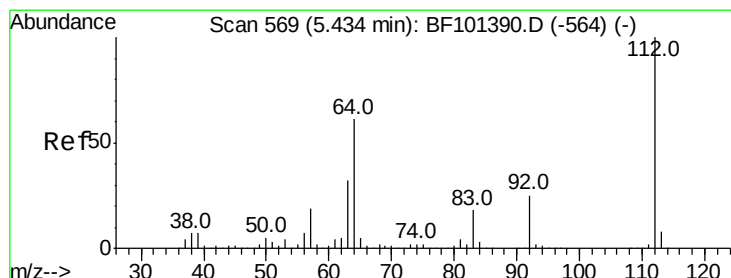
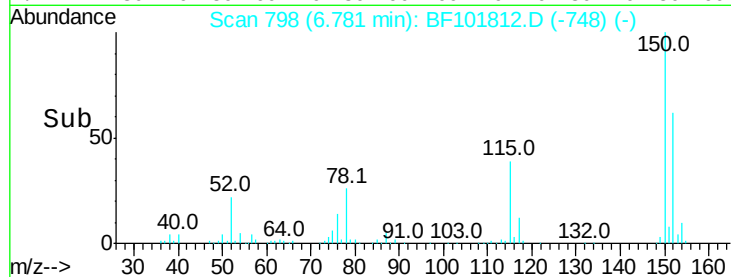
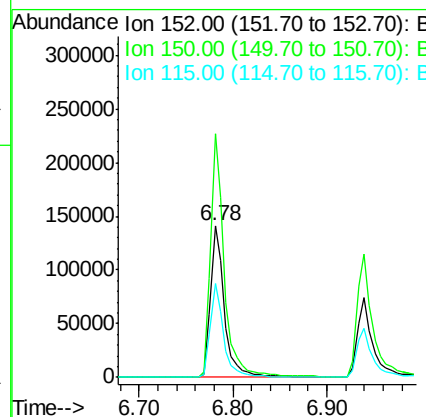
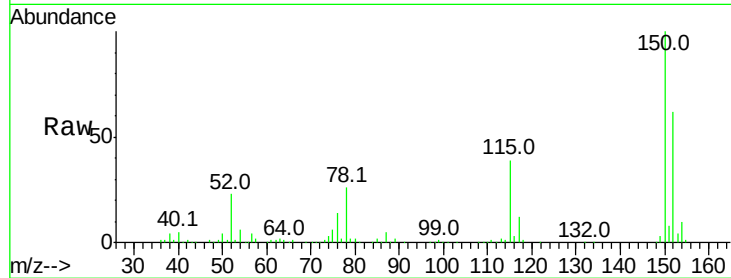
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.78 min Scan# 798
Delta R.T. -0.01 min
Lab File: BF101812.D
Acq: 28 Dec 2017 19:39

Instrument :
BNA_F
ClientSampled :
TP-1

Tot Ion	Ratio	Lower	Upper
152	100		
150	160.5	124.6	186.8
115	62.1	50.1	75.1

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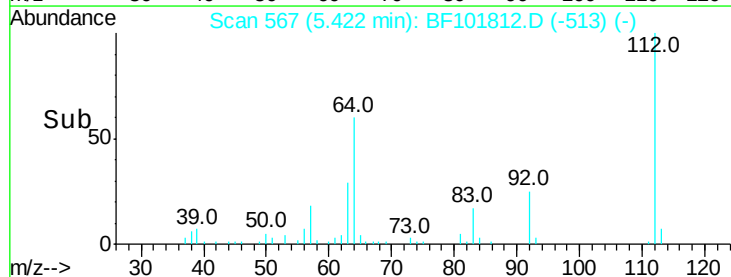
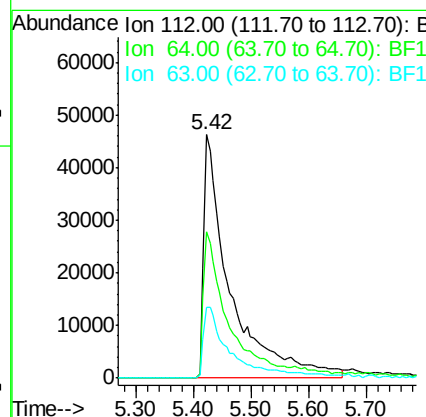
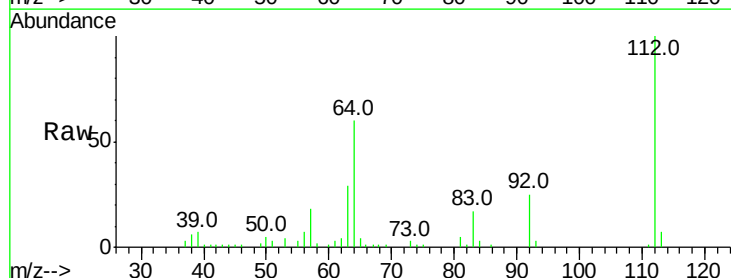
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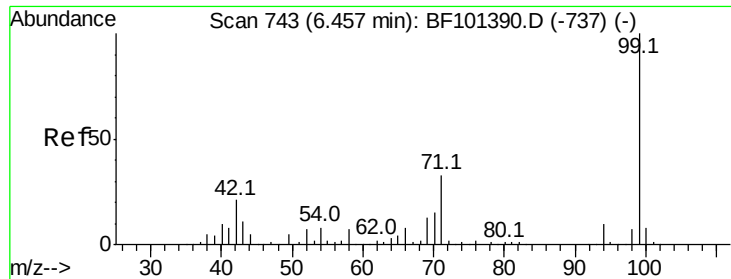


#5

2-Fluorophenol
Concen: 15.045 ng
RT: 5.42 min Scan# 567
Delta R.T. 0.02 min
Lab File: BF101812.D
Acq: 28 Dec 2017 19:39

Tgt Ion	Ratio	Lower	Upper
112	100		
64	60.0	47.9	71.9
63	29.2	23.7	35.5





#7

Phenol-d6

Concen: 18.222 ng

RT: 6.45 min Scan# 741

Delta R.T. 0.01 min

Lab File: BF101812.D

Acq: 28 Dec 2017 19:39

Instrument :

BNA_F

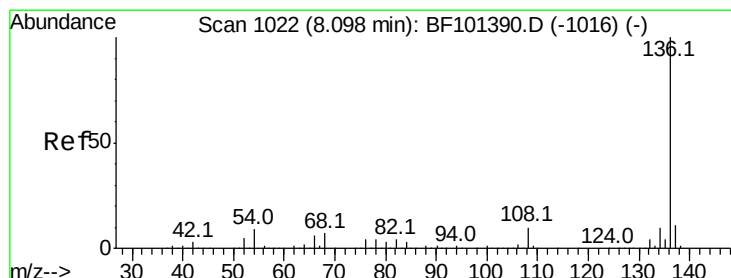
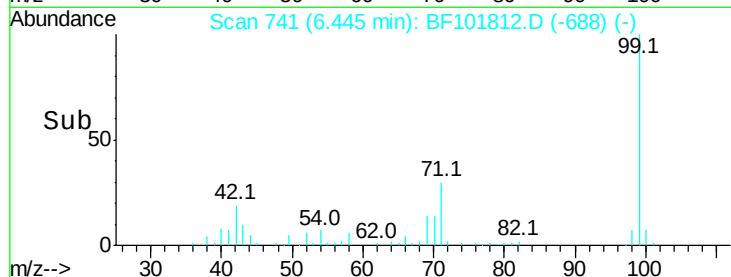
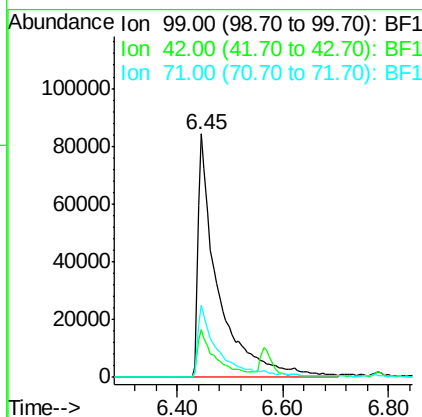
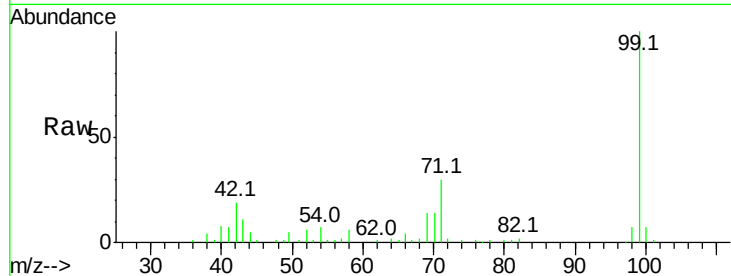
ClientSampled :

TP-1

Tot Ion	Ion	Ratio	Resp	Lower	Upper
99	100		224202		
42	19.4	14.5	21.7		
71	29.8	25.4	38.0		

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#21

Naphthalene-d8

Concen: 20.000 ng

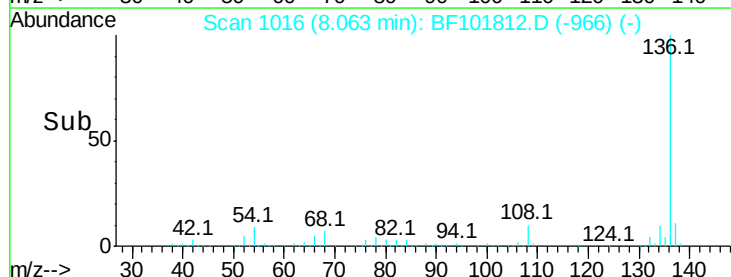
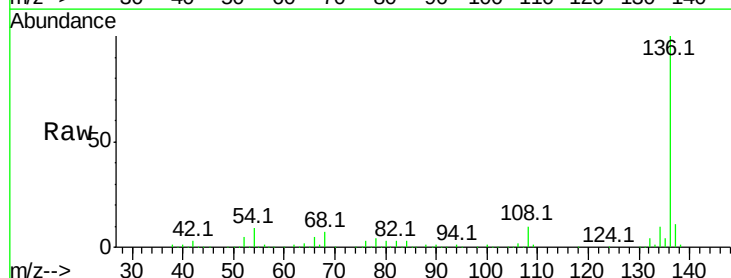
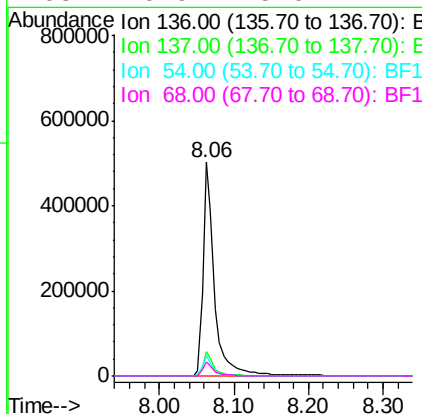
RT: 8.06 min Scan# 1016

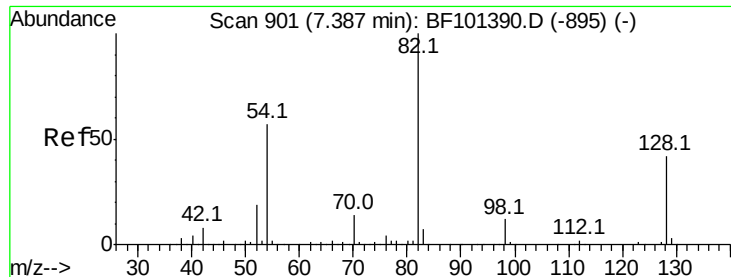
Delta R.T. -0.01 min

Lab File: BF101812.D

Acq: 28 Dec 2017 19:39

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
136	100		547119		
137	11.5	8.9	13.3		
54	9.4	6.6	9.8		
68	6.9	5.0	7.4		





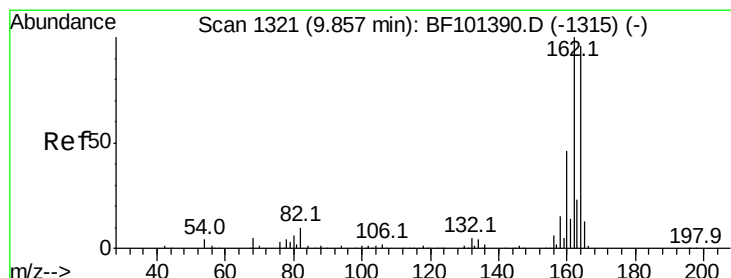
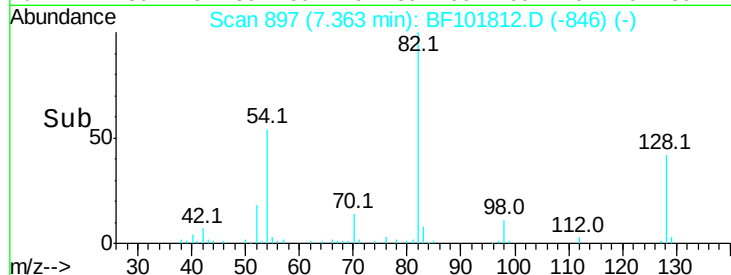
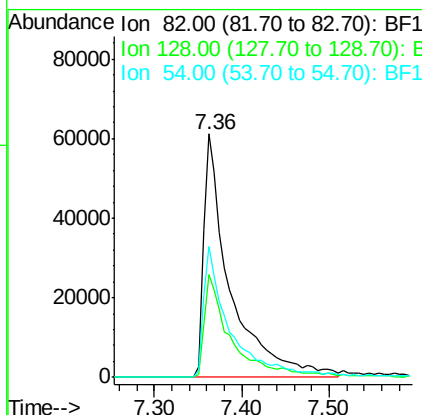
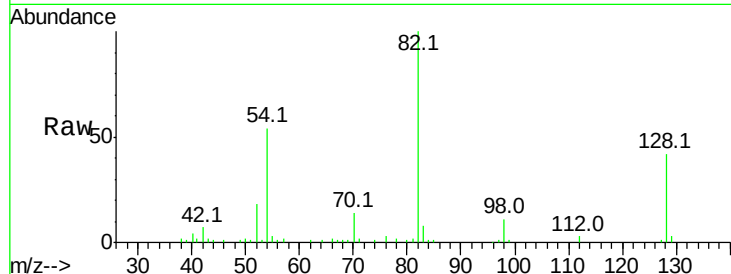
#23
 Nitrobenzene-d5
 Concen: 13.005 ng
 RT: 7.36 min Scan# 897
 Delta R.T. 0.00 min
 Lab File: BF101812.D
 Acq: 28 Dec 2017 19:39

Instrument :
 BNA_F
 ClientSampled :
 TP-1

Tot Ion	Ratio	Lower	Upper
82	100		
128	42.2	36.1	54.1
54	54.0	41.4	62.2

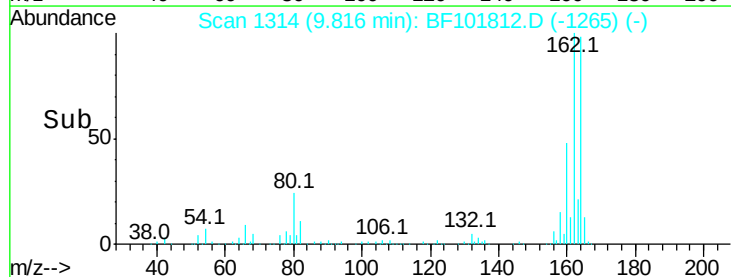
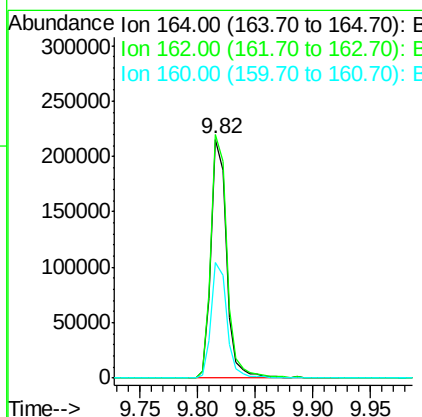
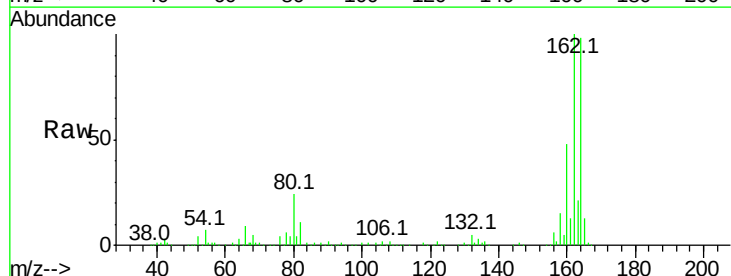
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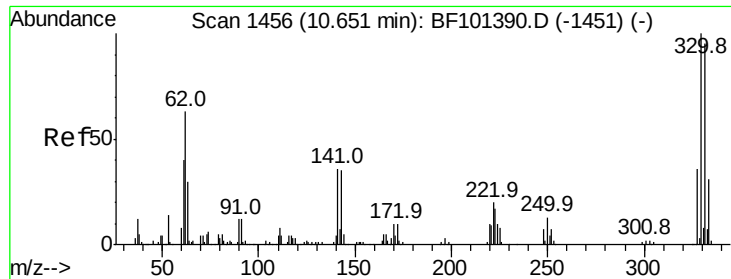
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#38
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.82 min Scan# 1314
 Delta R.T. -0.01 min
 Lab File: BF101812.D
 Acq: 28 Dec 2017 19:39

Tgt Ion	Ratio	Lower	Upper
164	100		
162	102.0	86.1	129.1
160	48.5	38.3	57.5





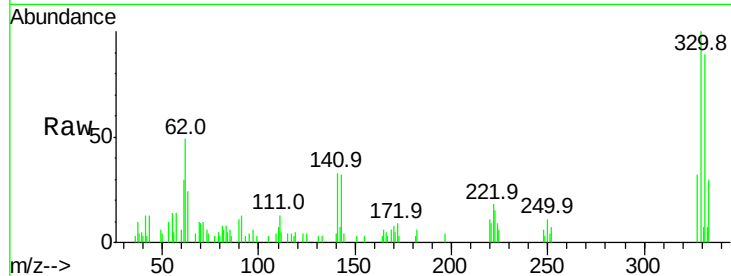
#41
 2,4,6-Tribromophenol
 Concen: 7.792 ng
 RT: 10.63 min Scan# 1452
 Delta R.T. 0.01 min
 Lab File: BF101812.D
 Acq: 28 Dec 2017 19:39

Instrument :
 BNA_F
 ClientSampled :
 TP-1

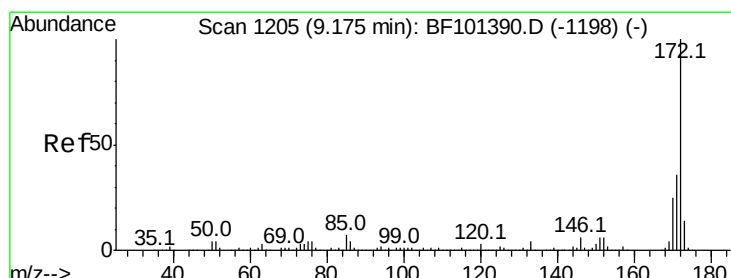
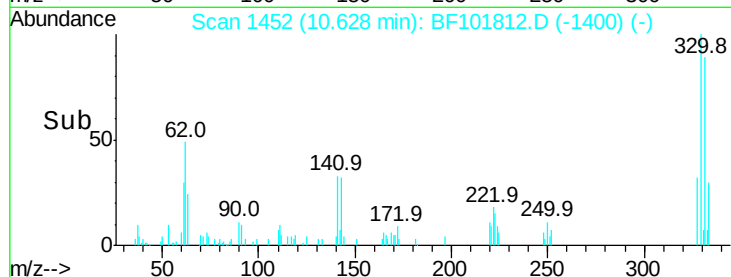
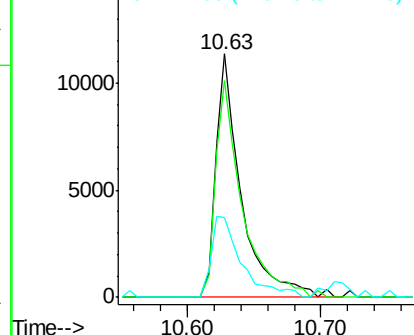
Tot Ion	Ratio	Lower	Upper
330	100		
332	92.9	77.0	115.6
141	39.8	29.9	44.9

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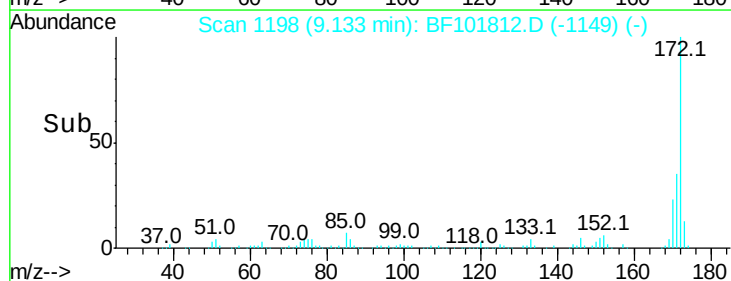
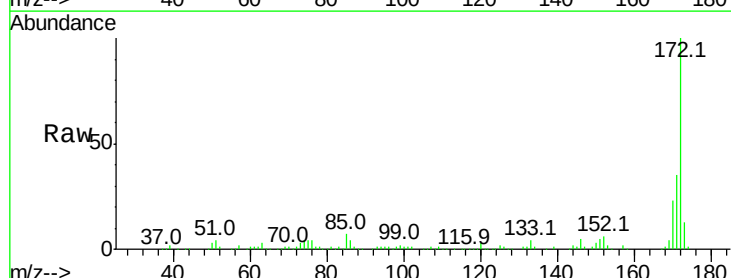
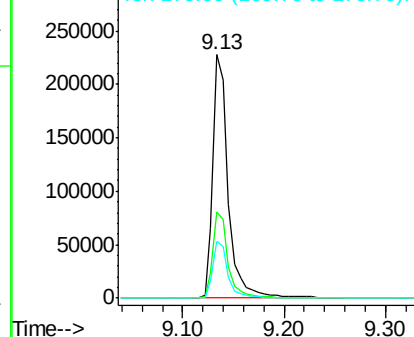
Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

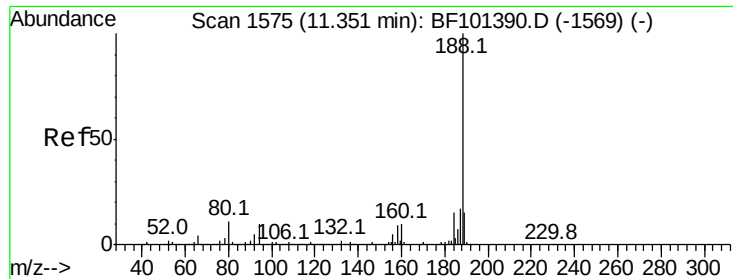


#44
 2-Fluorobiphenyl
 Concen: 18.388 ng
 RT: 9.13 min Scan# 1198
 Delta R.T. -0.01 min
 Lab File: BF101812.D
 Acq: 28 Dec 2017 19:39

Tgt Ion	Ratio	Lower	Upper
172	100		
171	35.3	29.7	44.5
170	23.1	19.6	29.4

Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E





#63

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.31 min Scan# 1568

Delta R.T. -0.01 min

Lab File: BF101812.D

Acq: 28 Dec 2017 19:39

Instrument :

BNA_F

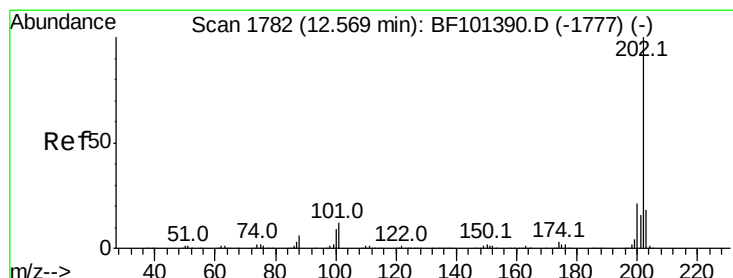
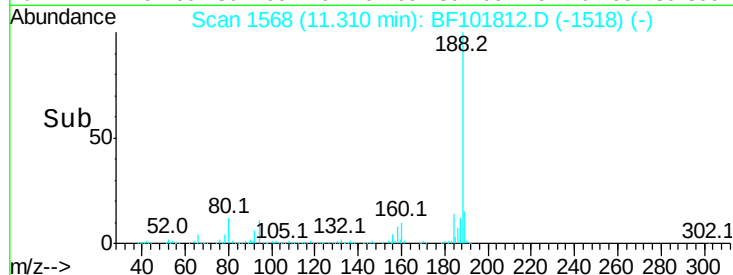
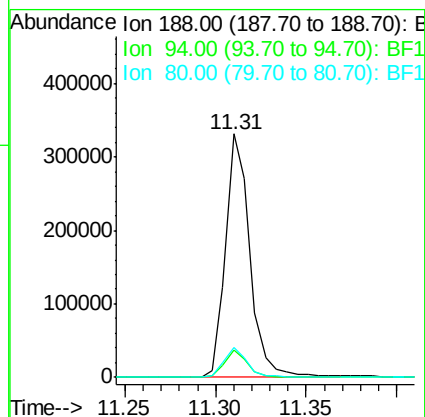
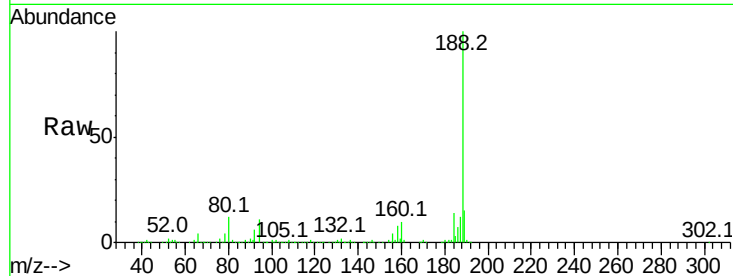
ClientSampleId :

TP-1

Tot Ion:	188	Resp:	312192
Ion Ratio	Lower	Upper	
188	100		
94	11.2	8.5	12.7
80	12.3	9.2	13.8

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#74

Fluoranthene

Concen: 4.600 ng

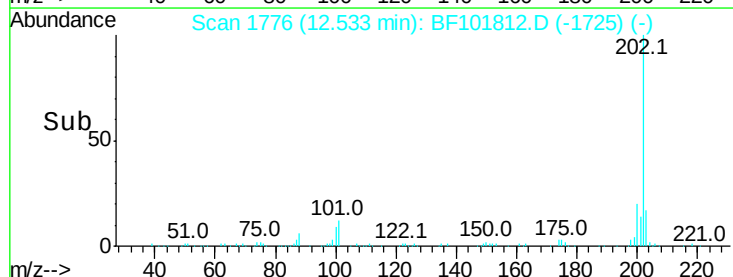
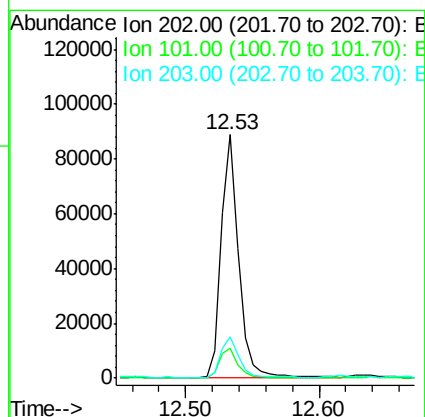
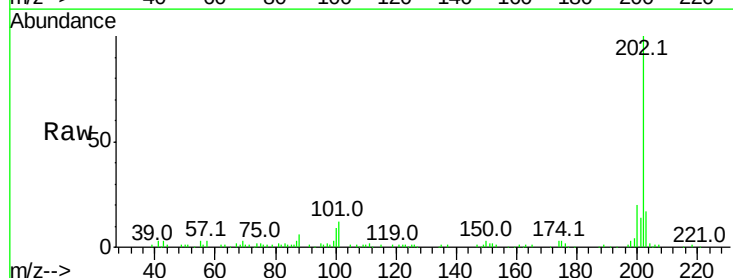
RT: 12.53 min Scan# 1776

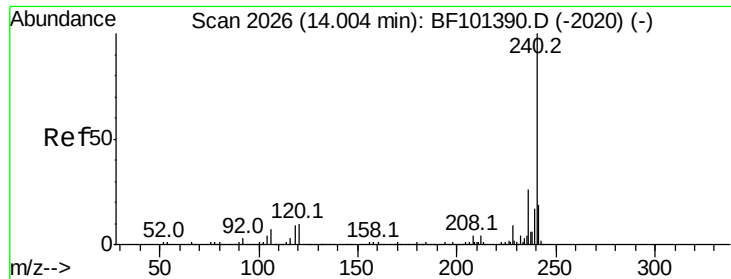
Delta R.T. -0.00 min

Lab File: BF101812.D

Acq: 28 Dec 2017 19:39

Tgt Ion:	202	Resp:	83834
Ion Ratio	Lower	Upper	
202	100		
101	12.2	0.0	34.1
203	17.1	0.0	38.1





#75

Chrysene-d12

Concen: 20.000 ng

RT: 13.96 min Scan# 2019

Delta R.T. -0.01 min

Lab File: BF101812.D

Acq: 28 Dec 2017 19:39

Instrument :

BNA_F

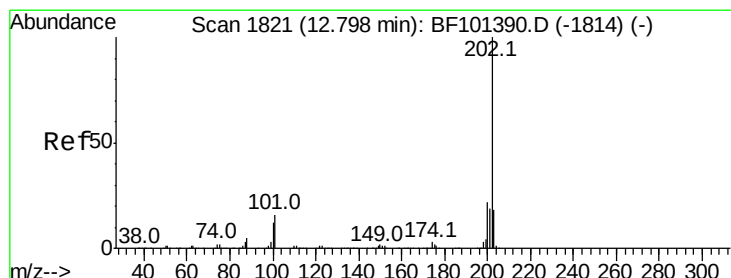
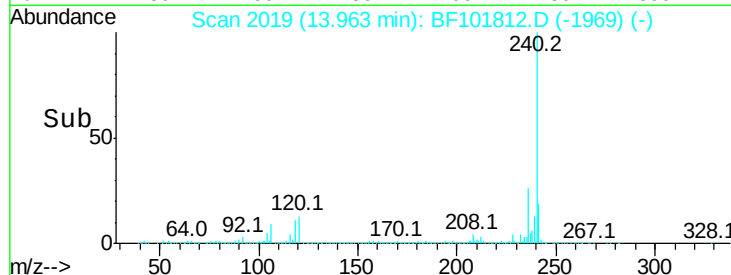
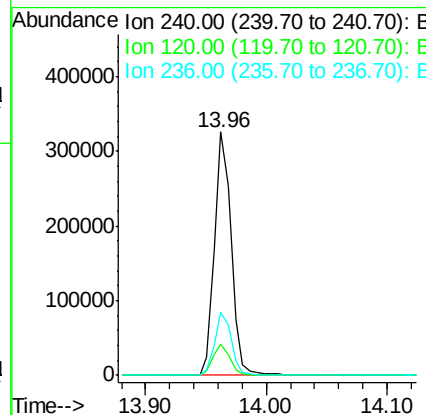
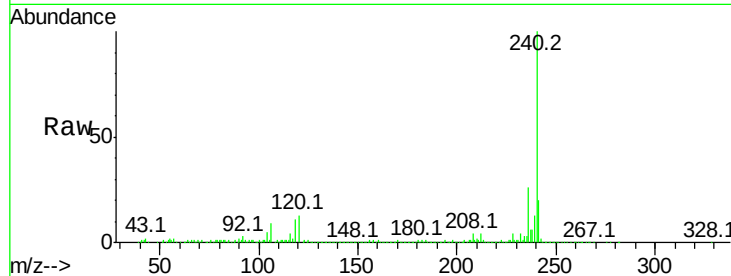
ClientSampled :

TP-1

Tot Ion	Ratio	Resp	Lower	Upper
240	100			
120	12.7	9.5	14.3	
236	25.9	20.7	31.1	

Manual Integrations
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#77

Pyrene

Concen: 3.470 ng

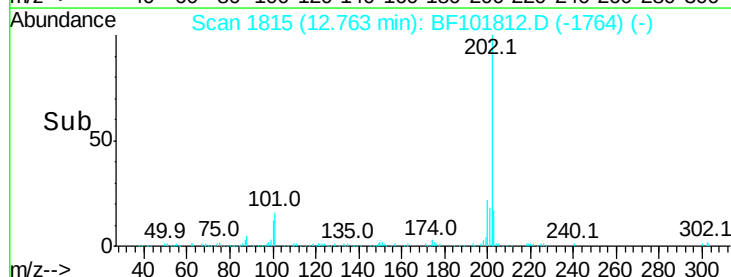
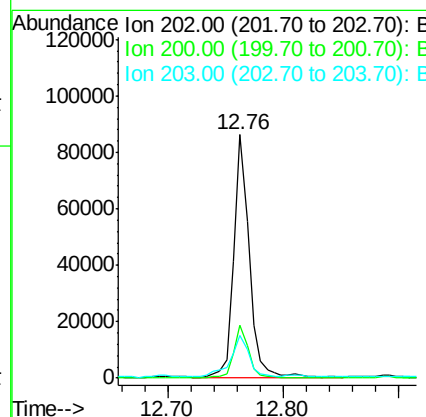
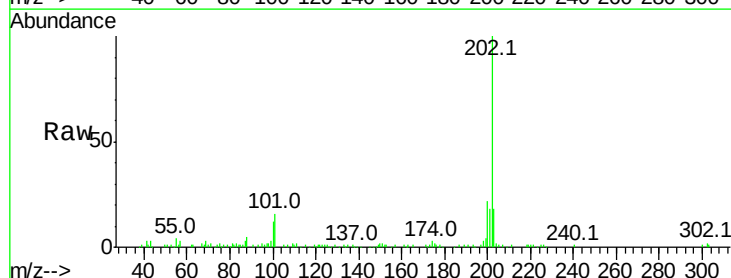
RT: 12.76 min Scan# 1815

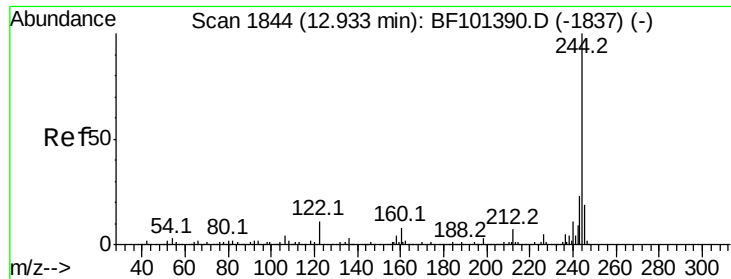
Delta R.T. 0.00 min

Lab File: BF101812.D

Acq: 28 Dec 2017 19:39

Tgt Ion	Ratio	Resp	Lower	Upper
202	100			
200	21.6	17.4	26.2	
203	17.7	14.3	21.5	





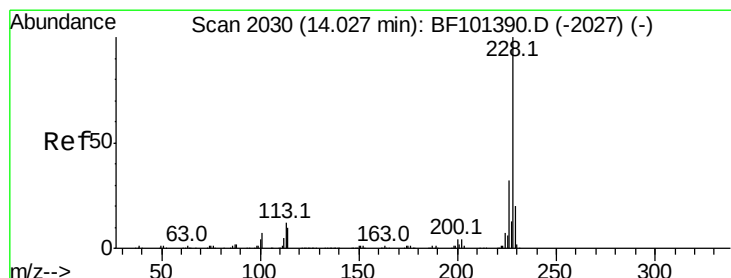
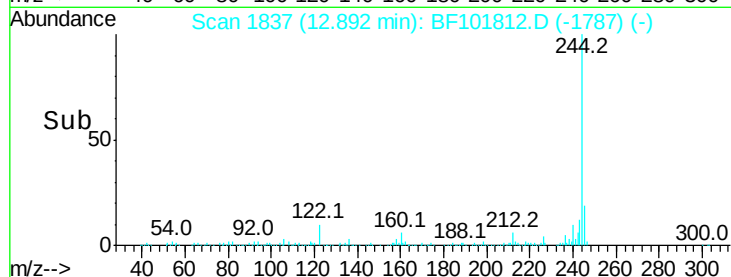
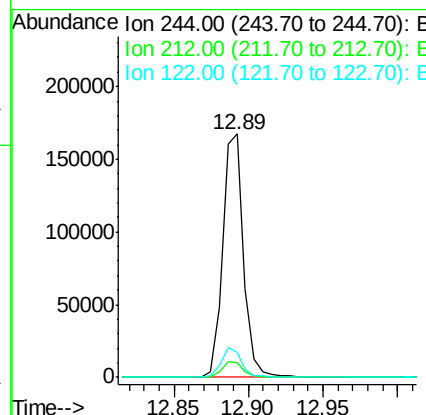
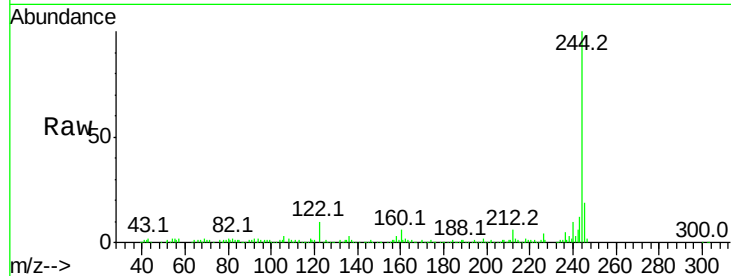
#78
 Terphenyl-d14
 Concen: 12.618 ng
 RT: 12.89 min Scan# 1837
 Delta R.T. -0.01 min
 Lab File: BF101812.D
 Acq: 28 Dec 2017 19:39

Instrument :
 BNA_F
 ClientSampled :
 TP-1

Tot Ion	Ratio	Resp	Lower	Upper
244	100			
212	6.1	5.4	8.0	
122	10.2	11.0	16.4	

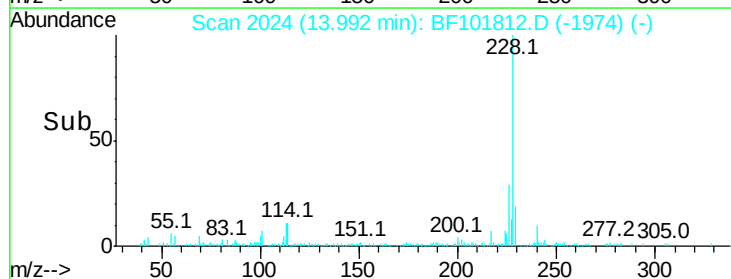
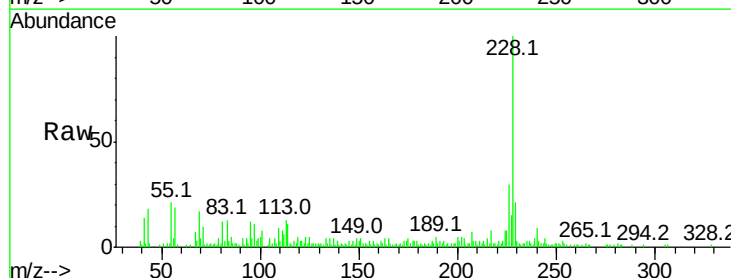
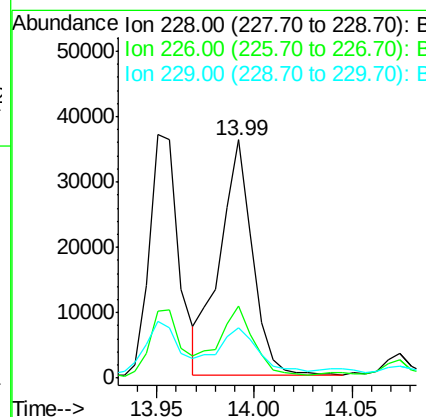
Manual Integrations
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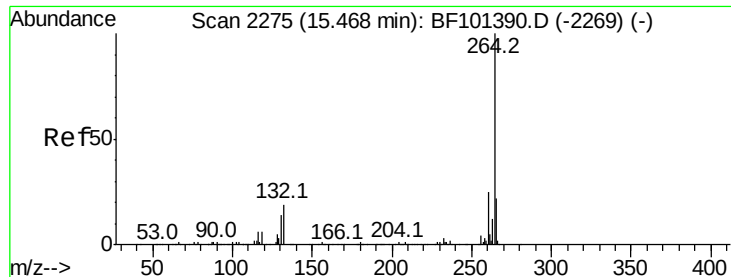
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#82
 Chrysene
 Concen: 2.166 ng
 RT: 13.99 min Scan# 2024
 Delta R.T. -0.01 min
 Lab File: BF101812.D
 Acq: 28 Dec 2017 19:39

Tgt Ion	Ratio	Resp	Lower	Upper
228	100			
226	30.3	25.0	37.6	
229	21.1	16.2	24.4	





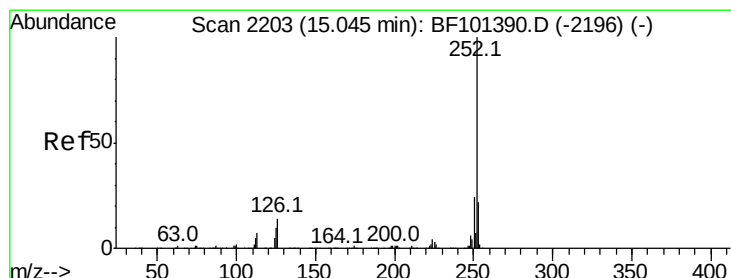
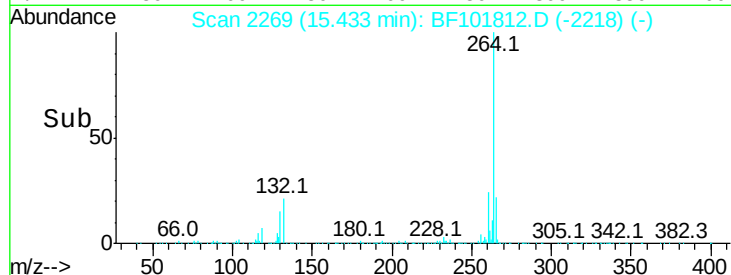
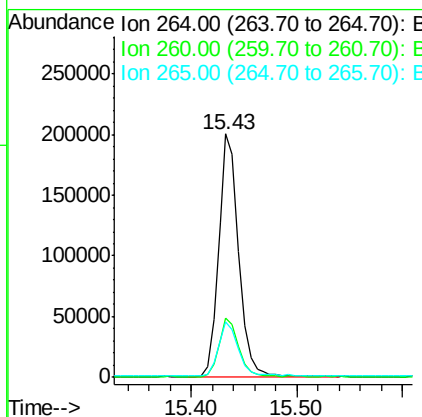
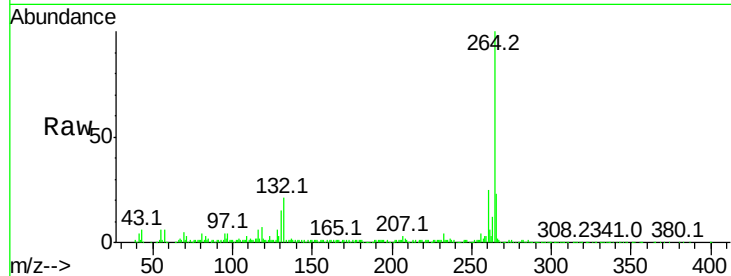
#86
Pervlene-d12
Concen: 20.000 ng
RT: 15.43 min Scan# 2269
Delta R.T. 0.00 min
Lab File: BF101812.D
Acq: 28 Dec 2017 19:39

Instrument :
BNA_F
ClientSampleId :
TP-1

Tot Ion	Ratio	Lower	Upper
264	100		
260	24.5	19.2	28.8
265	22.6	17.5	26.3

Manual Integrations
APPROVED

Sohil
12/29/2017 11:55:25 AM



#87
Benzo(b)fluoranthene
Concen: 2.743 ng m
RT: 15.01 min Scan# 2197
Delta R.T. 0.01 min
Lab File: BF101812.D
Acq: 28 Dec 2017 19:39

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.2	17.0	25.6
125	21.5	9.0	13.6

