

Data Path : Z:\HPCHEM1\BNA F\DATA\BF122117\
 Data File : BF101613.D
 Acq On : 21 Dec 2017 18:06
 Operator : SJ/JU
 Sample : I6890-01 5X
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 PB-10-OW(2-2.5)

Manual Integrations
 APPROVED

Sohil
 12/22/2017 12:42:08 PM

Quant Time: Dec 22 01:12:13 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF121417.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Dec 20 14:25:04 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.80	152	103027	20.00	ng	0.00
21) Naphthalene-d8	8.08	136	369248	20.00	ng	0.00
38) Acenaphthene-d10	9.83	164	135694	20.00	ng	0.00
63) Phenanthrene-d10	11.32	188	243696	20.00	ng	0.00
75) Chrysene-d12	13.97	240	283922	20.00	ng	0.00
86) Perylene-d12	15.44	264	229903	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.42	112	169752	24.54	ng	0.01
7) Phenol-d6	6.45	99	201965	23.46	ng	0.00
23) Nitrobenzene-d5	7.37	82	106309	16.03	ng	0.00
41) 2,4,6-Tribromophenol	10.63	330	26158	20.01	ng	0.00
44) 2-Fluorobiphenyl	9.15	172	148667	17.00	ng	0.00
78) Terphenyl-d14	12.90	244	131456	11.16	ng	0.00
Target Compounds						
70) Phenanthrene	11.35	178	40991	3.025	ng	99
74) Fluoranthene	12.54	202	143751	10.105	ng	96
77) Pyrene	12.77	202	127060	5.963	ng	99
80) Benzo(a)anthracene	13.96	228	66405	3.542	ng	98
82) Chrysene	14.00	228	67500m	3.813	ng	
87) Benzo(b)fluoranthene	15.02	252	70299m	5.017	ng	
88) Benzo(k)fluoranthene	15.04	252	27411m	2.012	ng	
89) Benzo(a)pyrene	15.38	252	44710	3.461	ng	# 94

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

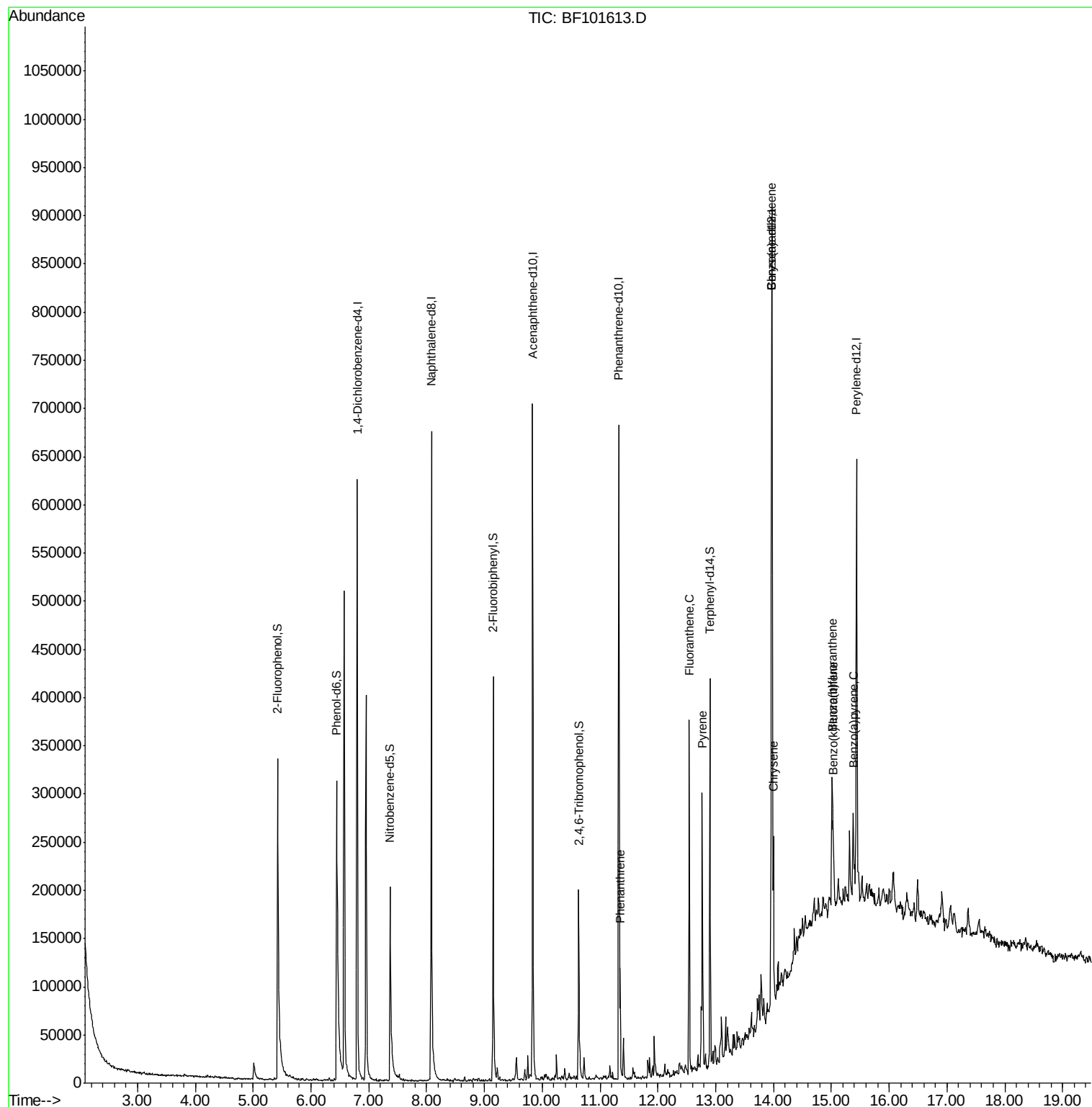
Data Path : Z:\HPCHEM1\BNA F\DATA\BF122117\
Data File : BF101613.D
Acq On : 21 Dec 2017 18:06
Operator : SJ/JU
Sample : I6890-01 5X
Misc :
ALS Vial : 17 Sample Multiplier: 1

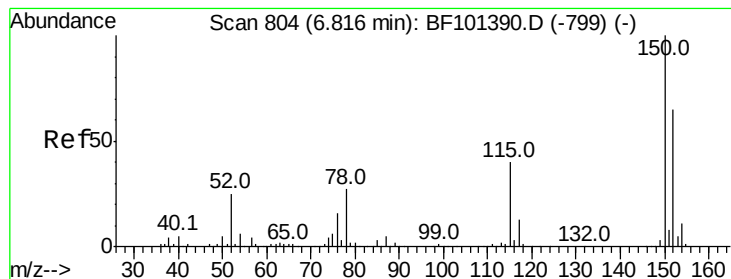
Instrument :
BNA_F
ClientSampleId :
PB-10-OW(2-2.5)

Manual Integrations
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Quant Time: Dec 22 01:12:13 2017
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF121417.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Dec 20 14:25:04 2017
Response via : Initial Calibration





#1

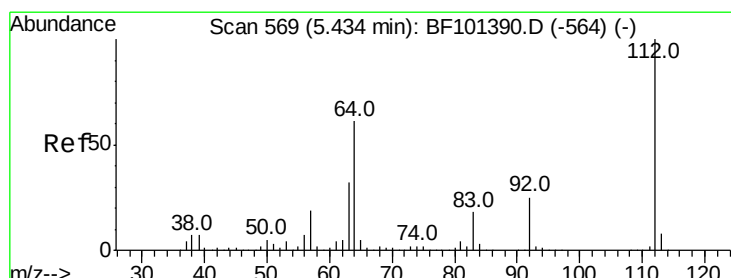
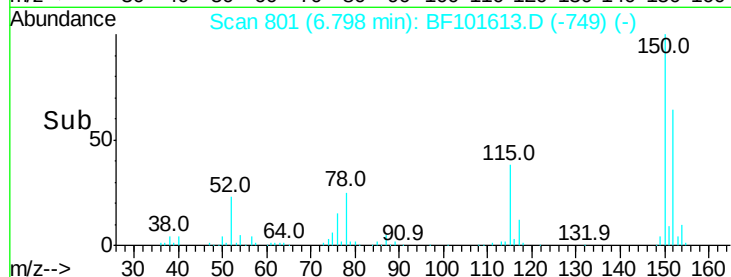
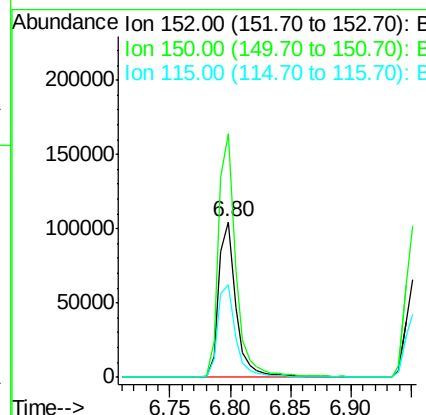
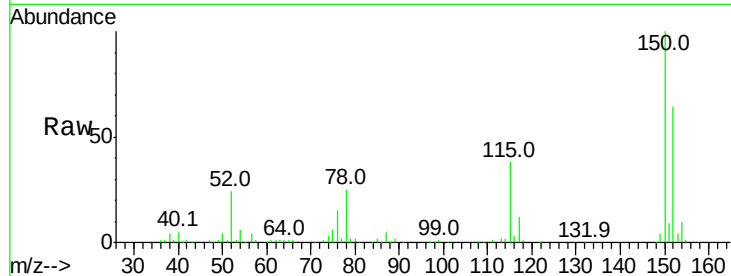
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.80 min Scan# 801
Delta R.T. 0.01 min
Lab File: BF101613.D
Acq: 21 Dec 2017 18:06

Instrument :
BNA_F
ClientSampleId :
PB-10-OW(2-2.5)

Tot Ion	Ratio	Lower	Upper
152	100		
150	156.6	124.6	186.8
115	59.4	50.1	75.1

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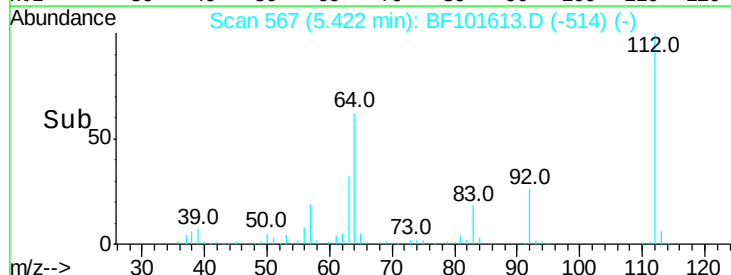
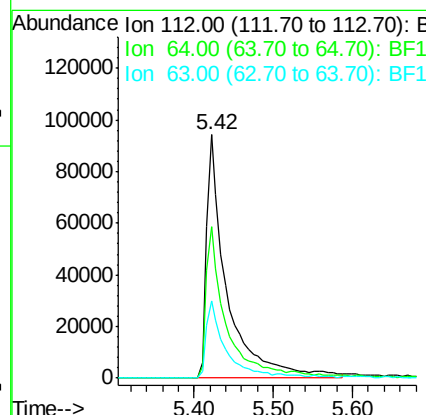
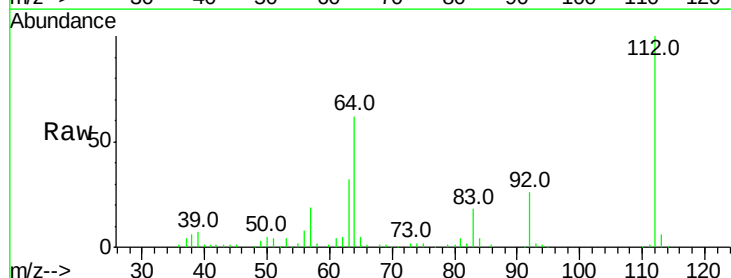
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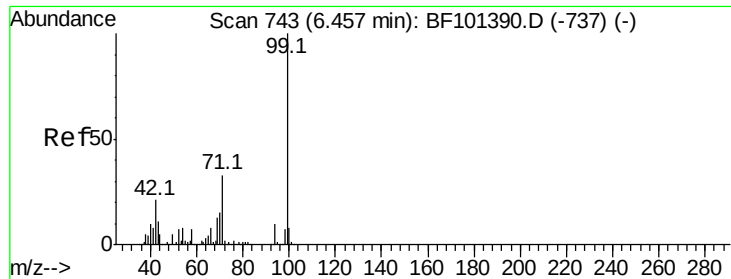


#5

2-Fluorophenol
Concen: 24.543 ng
RT: 5.42 min Scan# 567
Delta R.T. 0.01 min
Lab File: BF101613.D
Acq: 21 Dec 2017 18:06

Tgt Ion	Ratio	Lower	Upper
112	100		
64	62.0	47.9	71.9
63	32.0	23.7	35.5





#7

Phenol-d6

Concen: 23.463 ng

RT: 6.45 min Scan# 741

Delta R.T. 0.01 min

Lab File: BF101613.D

Acq: 21 Dec 2017 18:06

Instrument :

BNA_F

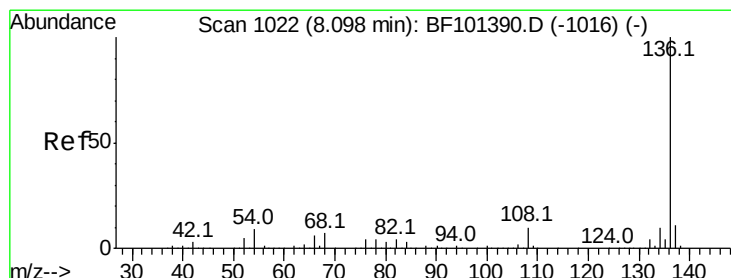
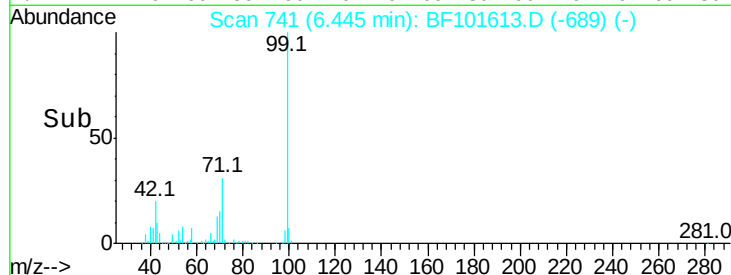
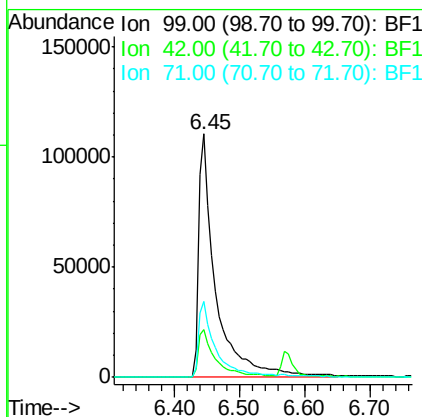
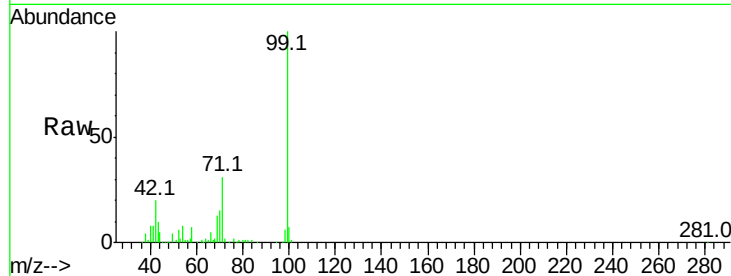
ClientSampleId :

PB-10-OW(2-2.5)

Tot Ion	Ion	Ratio	Resp	Lower	Upper
99	100		201965		
42	19.5	14.5	21.7		
71	31.3	25.4	38.0		

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#21

Naphthalene-d8

Concen: 20.000 ng

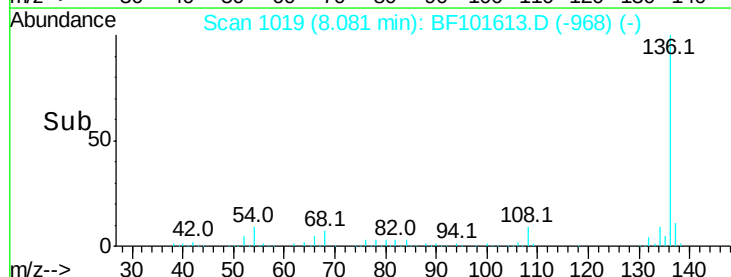
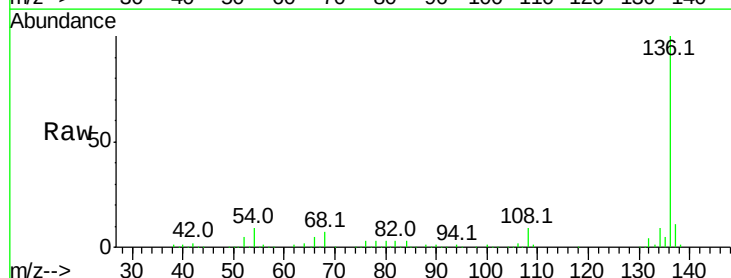
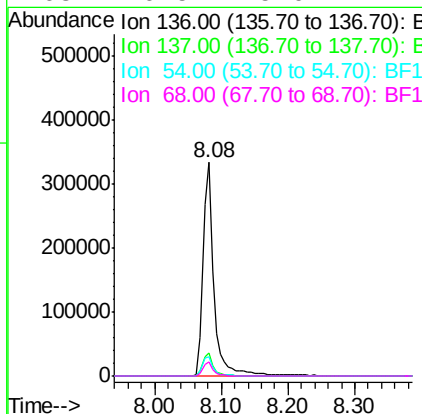
RT: 8.08 min Scan# 1019

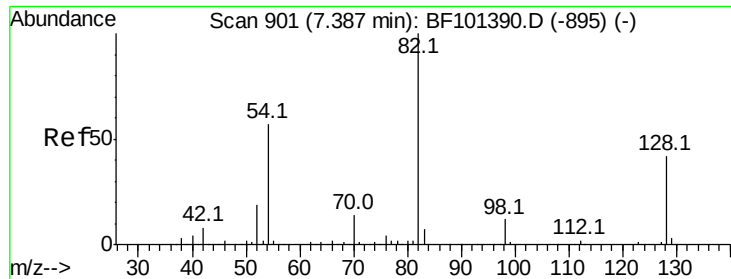
Delta R.T. -0.00 min

Lab File: BF101613.D

Acq: 21 Dec 2017 18:06

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
136	100		369248		
137	10.9	8.9	13.3		
54	9.1	6.6	9.8		
68	6.5	5.0	7.4		





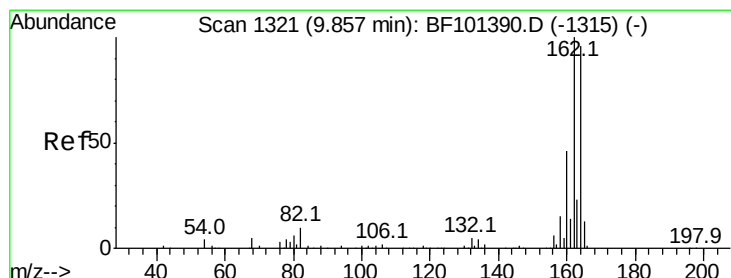
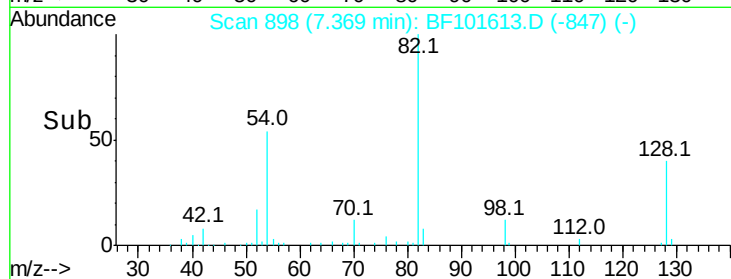
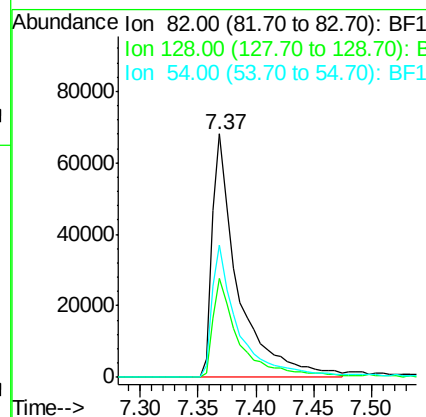
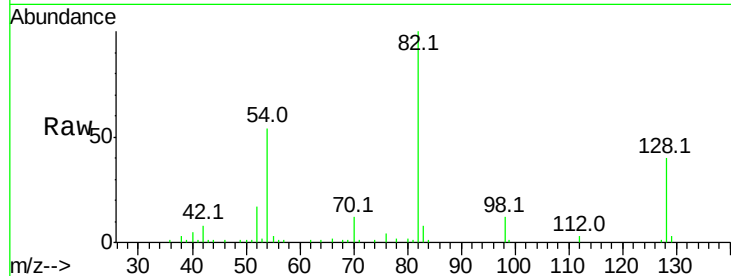
#23
 Nitrobenzene-d5
 Concen: 16.027 ng
 RT: 7.37 min Scan# 898
 Delta R.T. -0.00 min
 Lab File: BF101613.D
 Acq: 21 Dec 2017 18:06

Instrument :
 BNA_F
 ClientSampleId :
 PB-10-OW(2-2.5)

Tot Ion	Ratio	Lower	Upper
82	100		
128	40.4	36.1	54.1
54	54.5	41.4	62.2

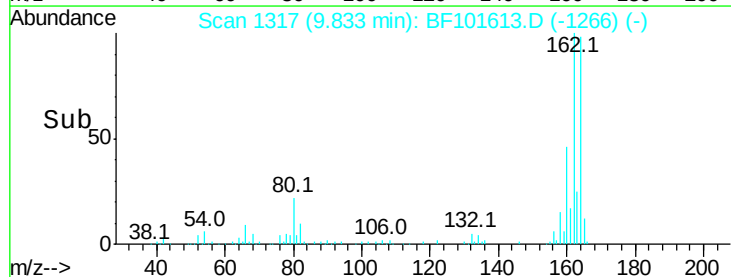
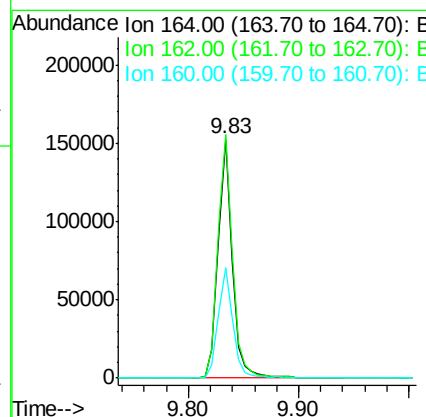
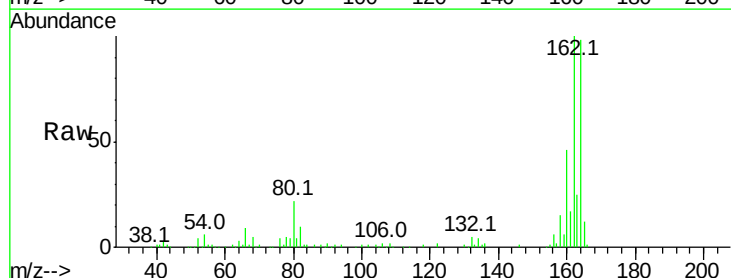
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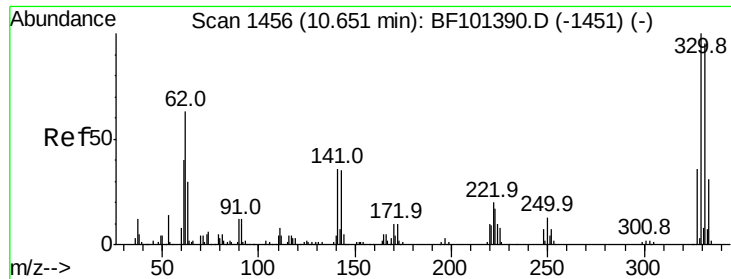
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#38
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.83 min Scan# 1317
 Delta R.T. -0.00 min
 Lab File: BF101613.D
 Acq: 21 Dec 2017 18:06

Tgt Ion	Ratio	Lower	Upper
164	100		
162	101.9	86.1	129.1
160	46.5	38.3	57.5





#41

2,4,6-Tribromophenol

Concen: 20.006 ng

RT: 10.63 min Scan# 1453

Delta R.T. -0.00 min

Lab File: BF101613.D

Acq: 21 Dec 2017 18:06

Instrument :

BNA_F

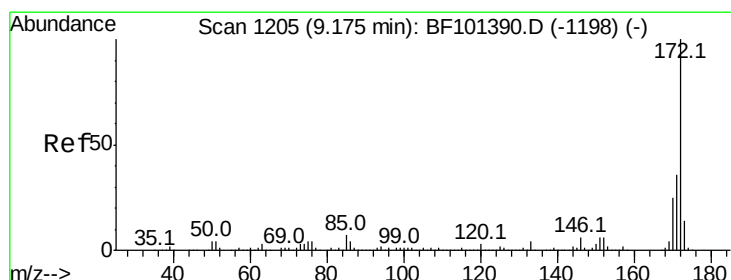
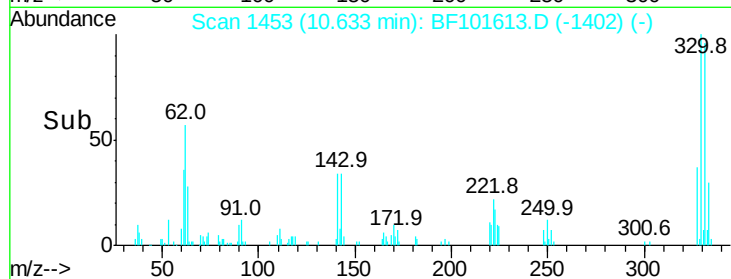
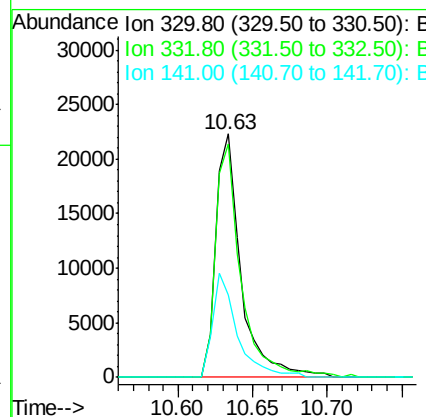
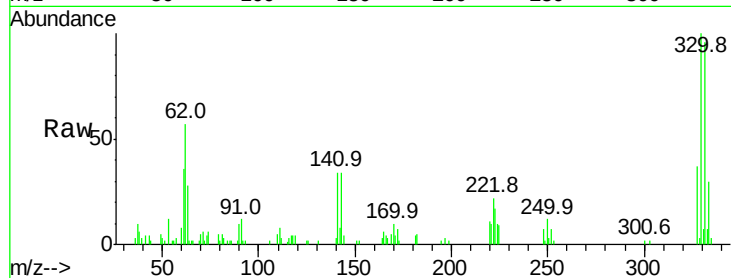
ClientSampleId :

PB-10-OW(2-2.5)

Tot Ion:	330	Resp:	26158
Ion Ratio	Lower	Upper	
330	100		
332	97.5	77.0	115.6
141	41.7	29.9	44.9

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#44

2-Fluorobiphenyl

Concen: 16.995 ng

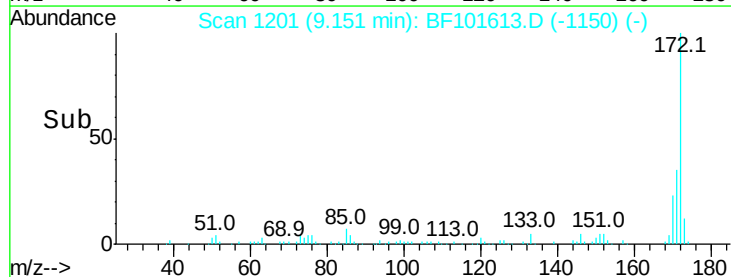
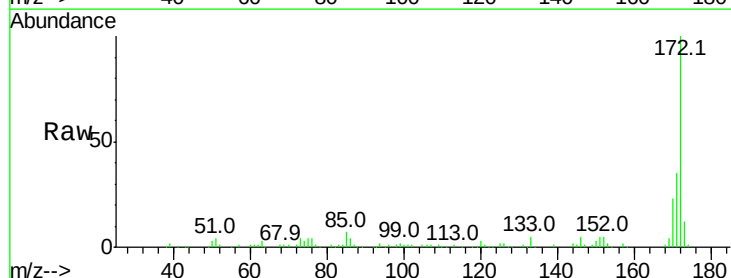
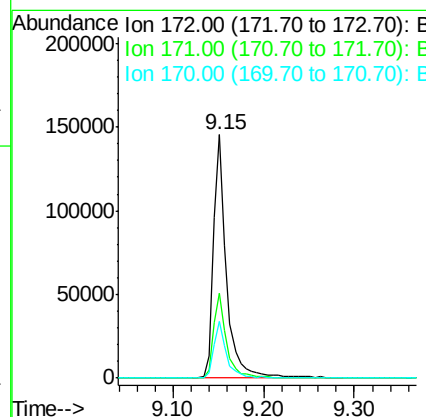
RT: 9.15 min Scan# 1201

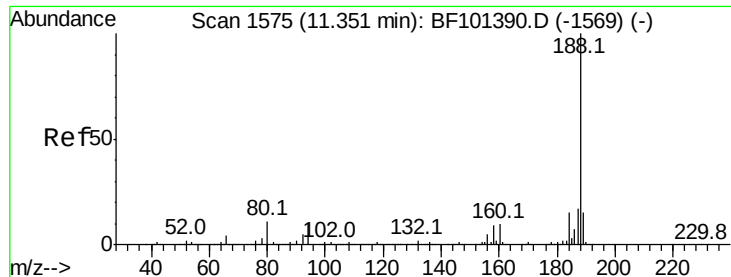
Delta R.T. -0.00 min

Lab File: BF101613.D

Acq: 21 Dec 2017 18:06

Tgt Ion:	172	Resp:	148667
Ion Ratio	Lower	Upper	
172	100		
171	35.0	29.7	44.5
170	23.3	19.6	29.4





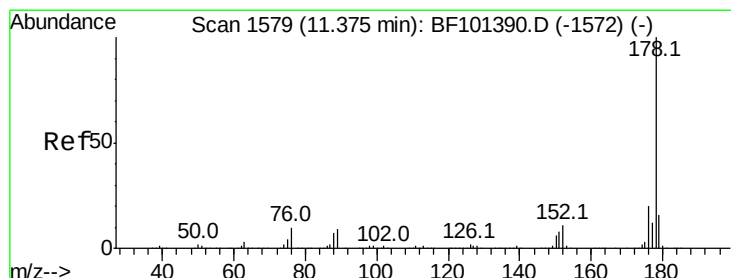
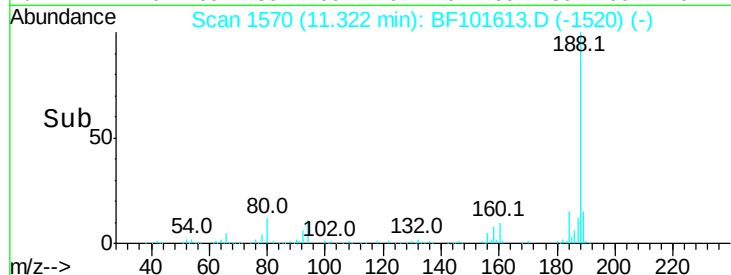
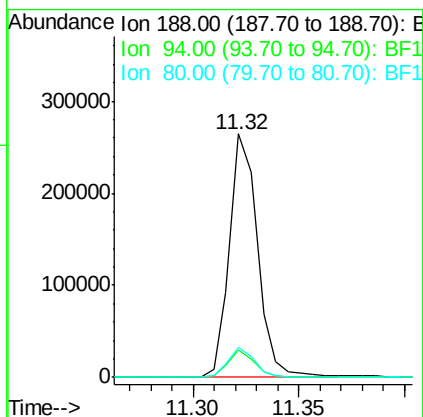
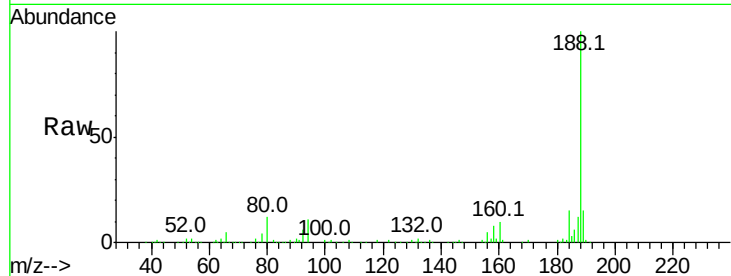
#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.32 min Scan# 1570
Delta R.T. -0.01 min
Lab File: BF101613.D
Acq: 21 Dec 2017 18:06

Instrument :
BNA_F
ClientSampleId :
PB-10-OW(2-2.5)

Tot Ion	Ratio	Resp	Lower	Upper
188	100	243696		
94	11.5		8.5	12.7
80	12.0		9.2	13.8

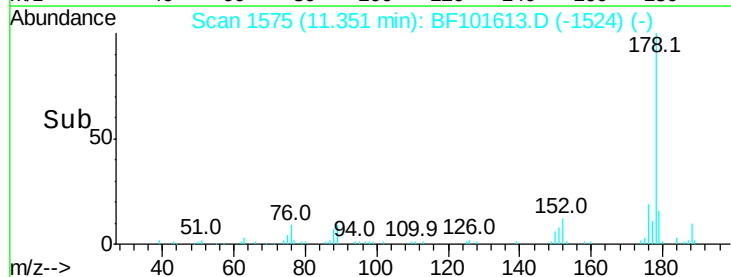
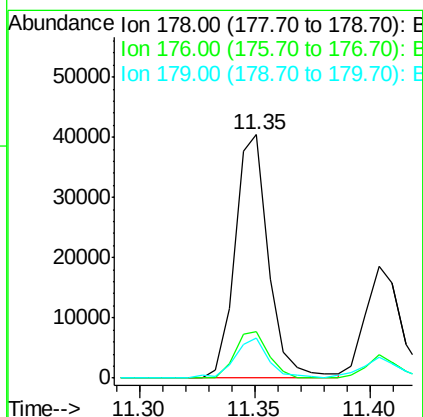
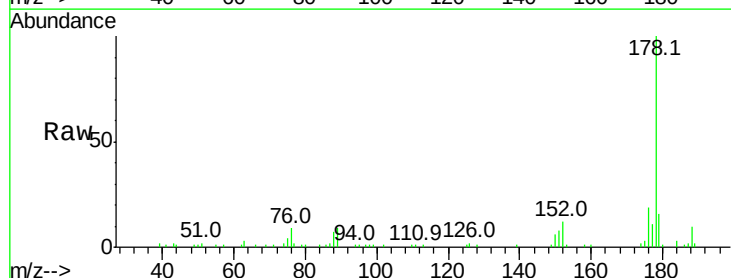
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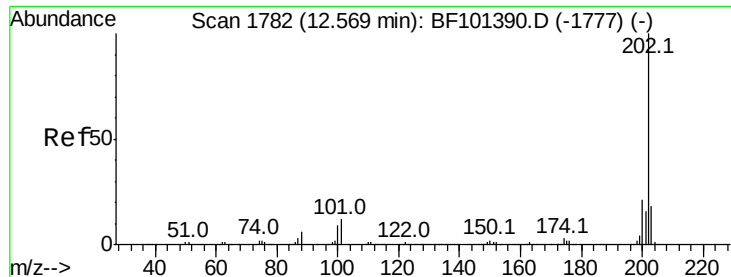
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#70
Phenanthrene
Concen: 3.025 ng
RT: 11.35 min Scan# 1575
Delta R.T. -0.00 min
Lab File: BF101613.D
Acq: 21 Dec 2017 18:06

Tgt Ion	Ratio	Resp	Lower	Upper
178	100	40991		
176	18.9		15.8	23.8
179	16.3		13.0	19.6





#74

Fluoranthene

Concen: 10.105 ng

RT: 12.54 min Scan# 1777

Delta R.T. -0.00 min

Lab File: BF101613.D

Acq: 21 Dec 2017 18:06

Instrument :

BNA_F

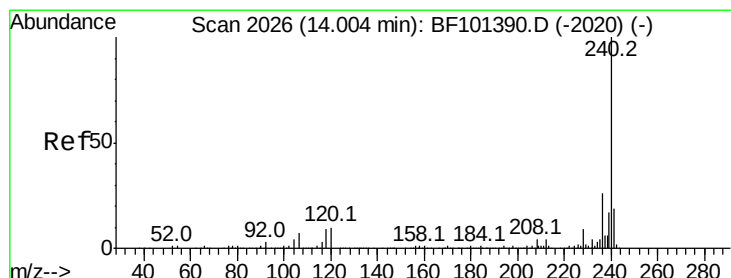
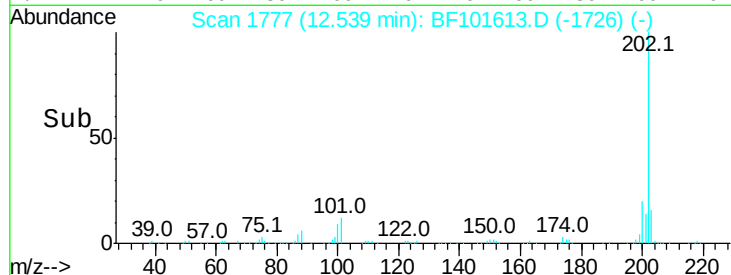
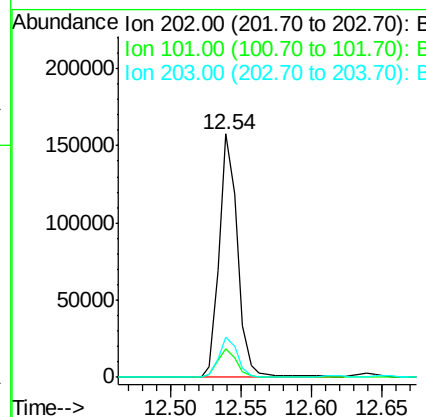
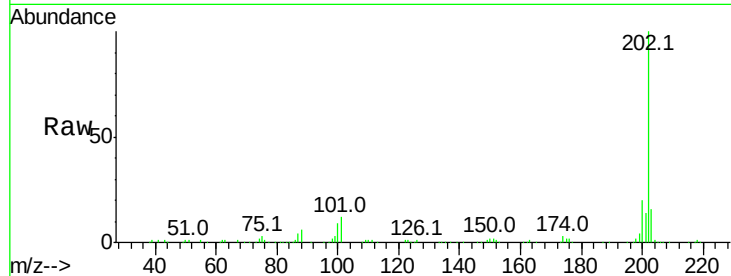
ClientSampleId :

PB-10-OW(2-2.5)

Tot Ion	Ratio	Resp	Lower	Upper
202	100	143751		
101	12.0	0.0	34.1	
203	16.4	0.0	38.1	

Manual Integrations
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#75

Chrysene-d12

Concen: 20.000 ng

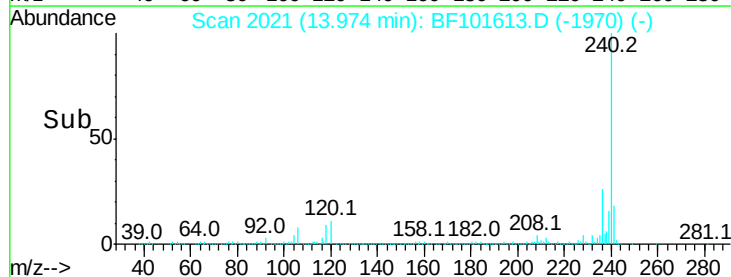
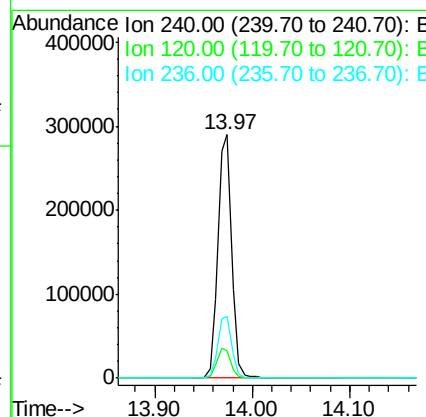
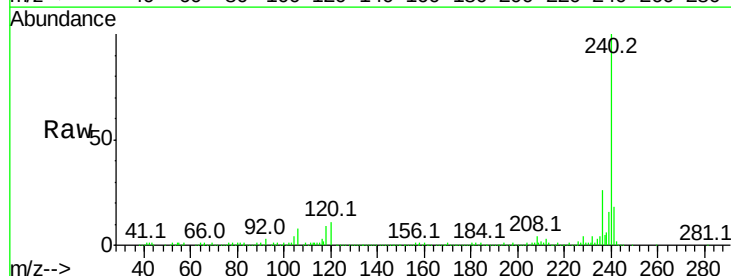
RT: 13.97 min Scan# 2021

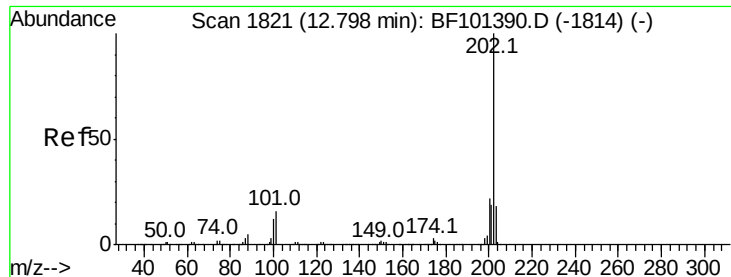
Delta R.T. -0.00 min

Lab File: BF101613.D

Acq: 21 Dec 2017 18:06

Tgt Ion	Ratio	Resp	Lower	Upper
240	100	283922		
120	11.2	9.5	14.3	
236	25.5	20.7	31.1	





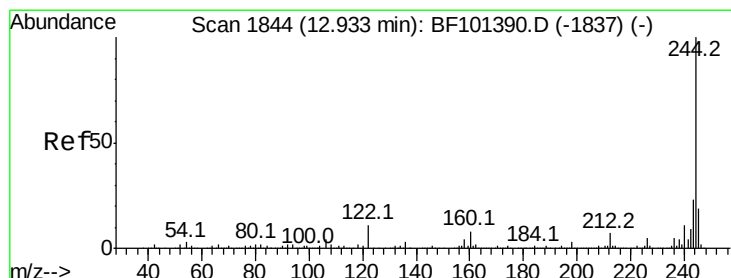
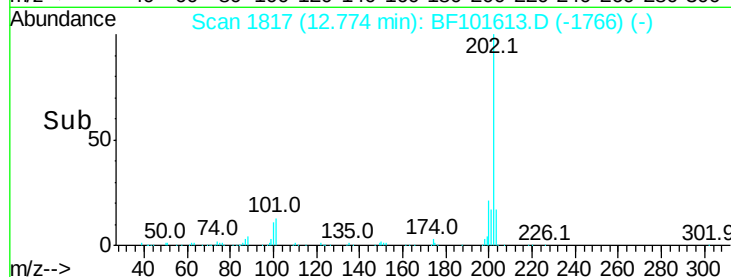
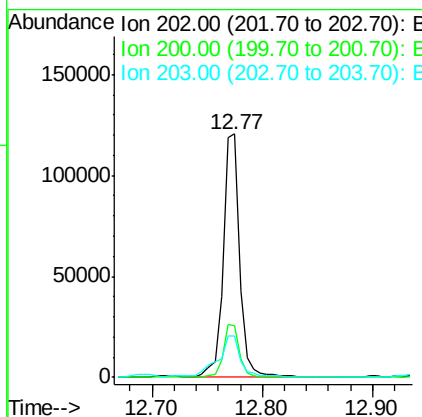
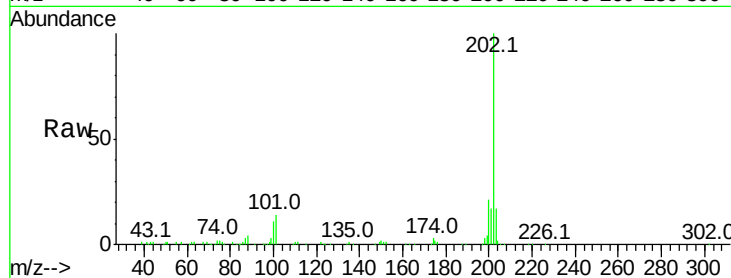
#77
Pvrene
Concen: 5.963 ng
RT: 12.77 min Scan# 1817
Delta R.T. -0.00 min
Lab File: BF101613.D
Acq: 21 Dec 2017 18:06

Instrument :
BNA_F
ClientSampleId :
PB-10-OW(2-2.5)

Tot Ion	Ratio	Resp Lower	Upper
202	100		
200	21.3	17.4	26.2
203	17.3	14.3	21.5

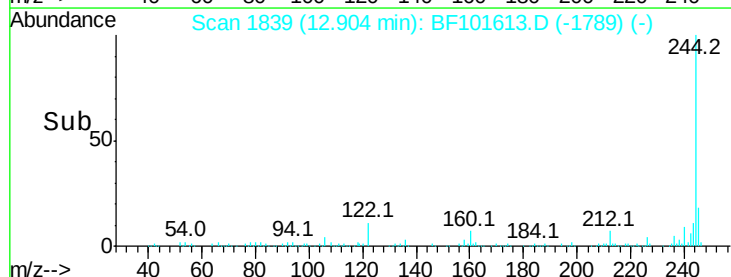
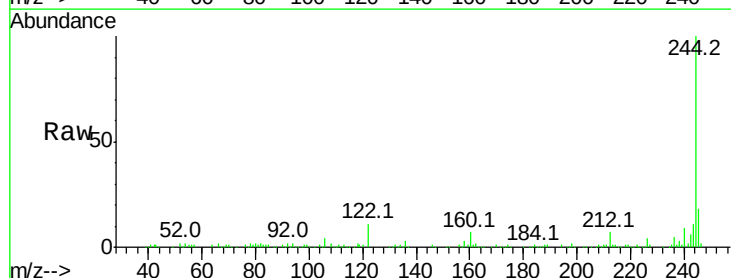
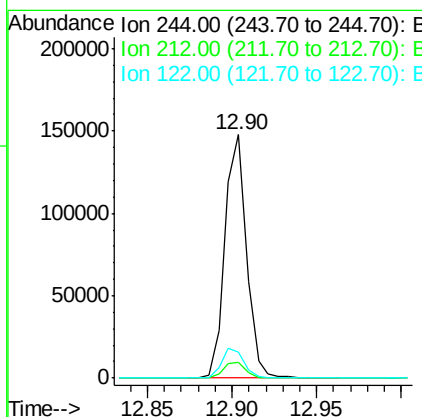
Manual Integrations
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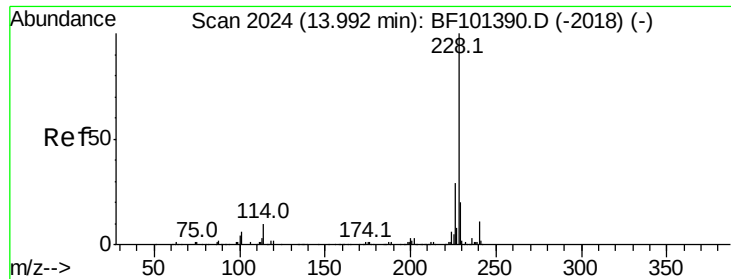
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#78
Terphenyl-d14
Concen: 11.162 ng
RT: 12.90 min Scan# 1839
Delta R.T. -0.01 min
Lab File: BF101613.D
Acq: 21 Dec 2017 18:06

Tgt Ion	Ratio	Resp Lower	Upper
244	100		
212	6.6	5.4	8.0
122	10.8	11.0	16.4#





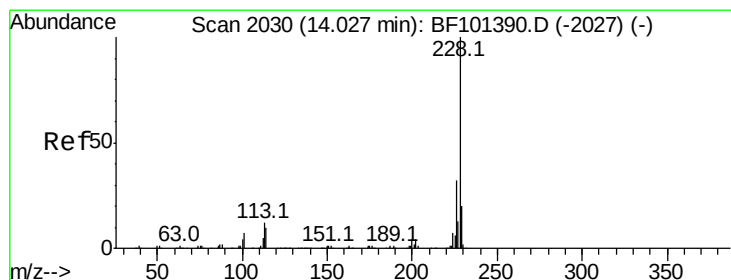
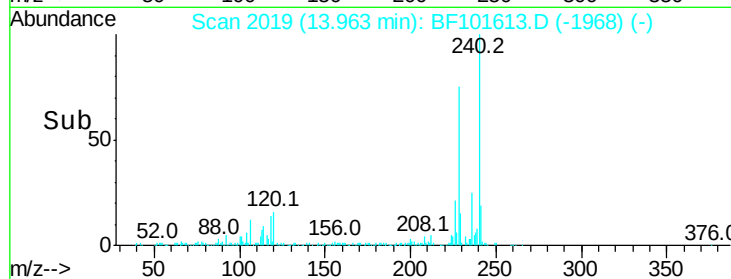
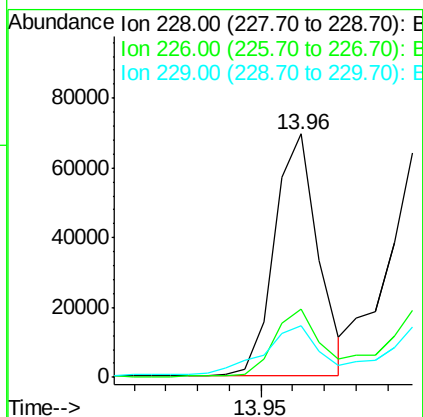
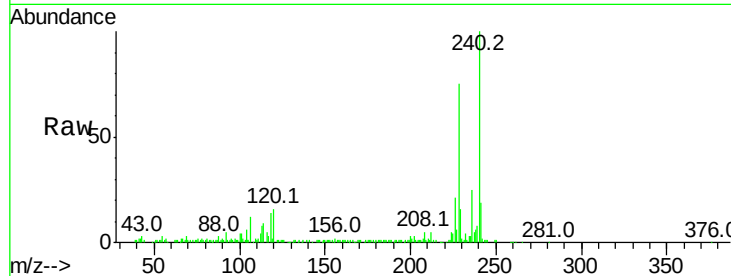
#80
Benzo(a)anthracene
Concen: 3.542 ng
RT: 13.96 min Scan# 2019
Delta R.T. -0.00 min
Lab File: BF101613.D
Acq: 21 Dec 2017 18:06

Instrument :
BNA_F
ClientSampleId :
PB-10-OW(2-2.5)

Tot Ion	Ratio	Lower	Upper
228	100		
226	27.8	22.6	33.8
229	21.3	15.8	23.6

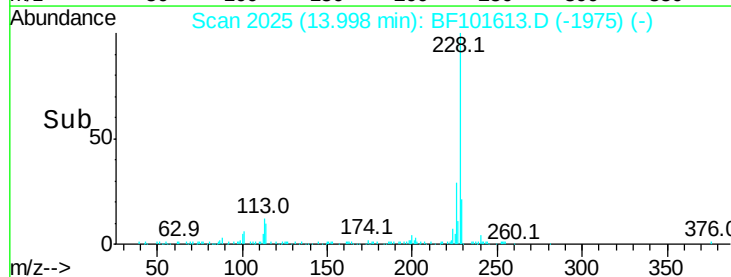
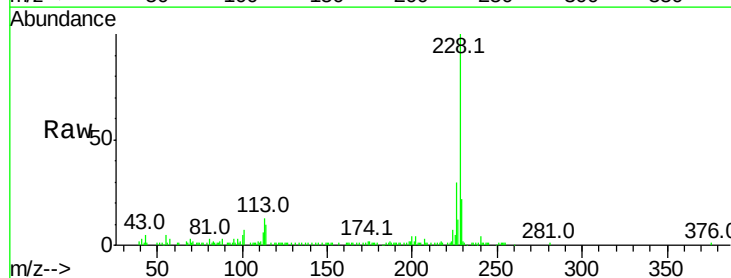
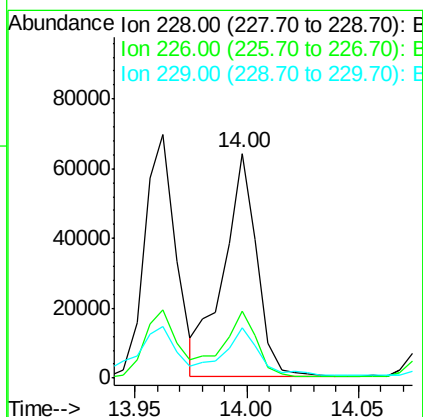
Manual Integrations
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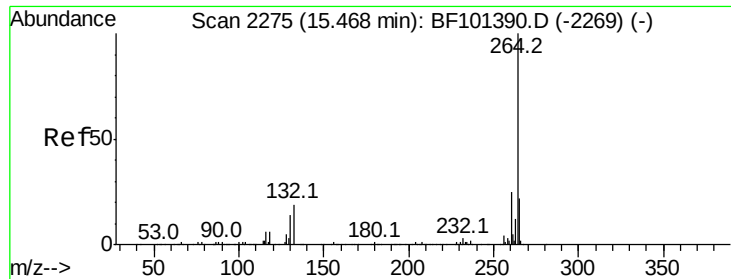
Sohil
12/22/2017 12:42:08 PM



#82
Chrysene
Concen: 3.813 ng m
RT: 14.00 min Scan# 2025
Delta R.T. -0.01 min
Lab File: BF101613.D
Acq: 21 Dec 2017 18:06

Tgt Ion	Ratio	Lower	Upper
228	100		
226	29.9	25.0	37.6
229	22.4	16.2	24.4





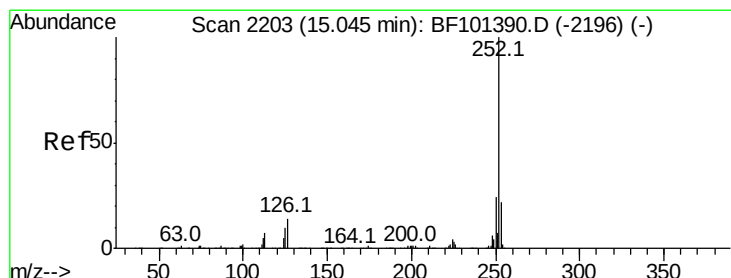
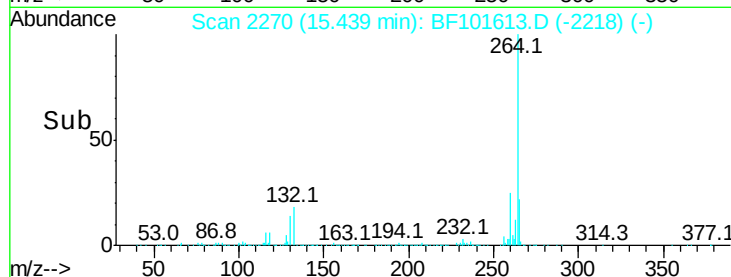
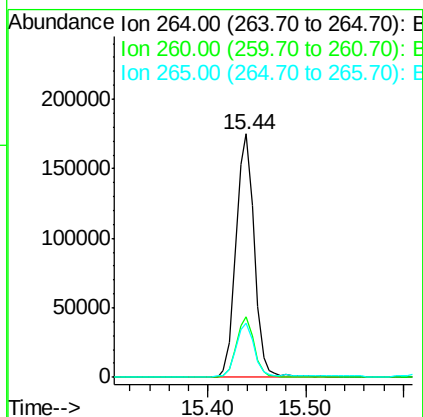
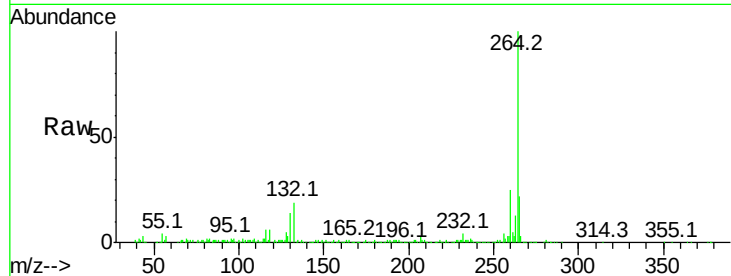
#86
Pervlene-d12
Concen: 20.000 ng
RT: 15.44 min Scan# 2270
Delta R.T. 0.01 min
Lab File: BF101613.D
Acq: 21 Dec 2017 18:06

Instrument :
BNA_F
ClientSampleId :
PB-10-OW(2-2.5)

Tot Ion	Ratio	Lower	Upper
264	100		
260	24.9	19.2	28.8
265	22.5	17.5	26.3

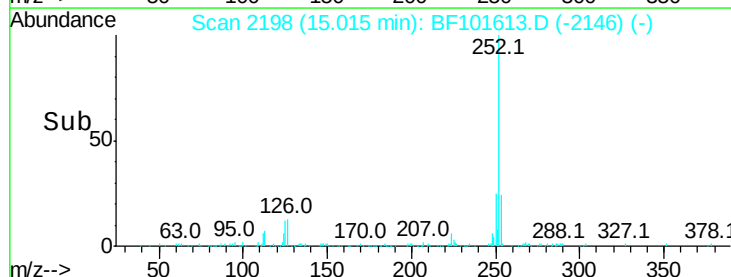
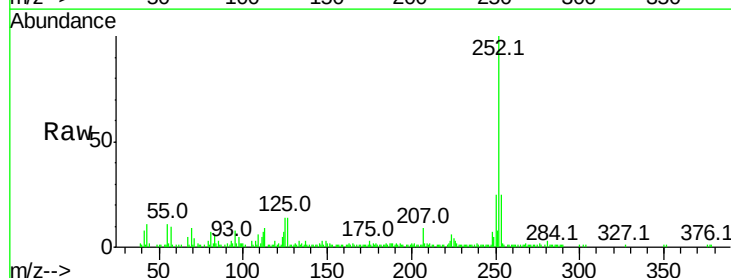
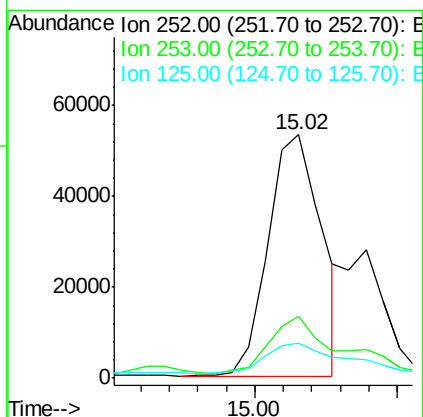
Manual Integrations
APPROVED

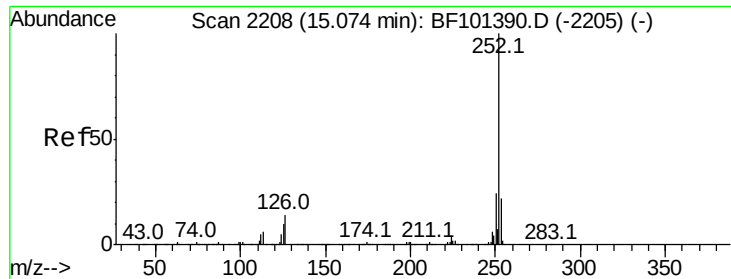
Sohil
12/22/2017 12:42:08 PM



#87
Benzo(b)fluoranthene
Concen: 5.017 ng m
RT: 15.02 min Scan# 2198
Delta R.T. 0.01 min
Lab File: BF101613.D
Acq: 21 Dec 2017 18:06

Tgt Ion	Ratio	Lower	Upper
252	100		
253	25.4	17.0	25.6
125	14.2	9.0	13.6





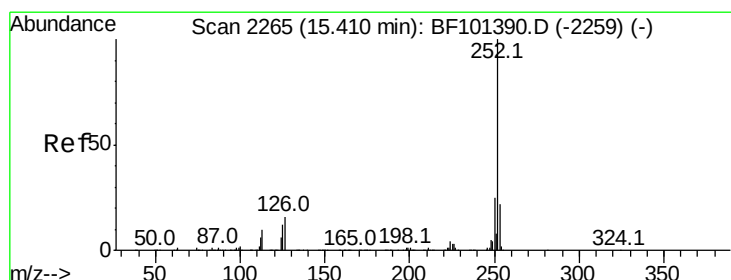
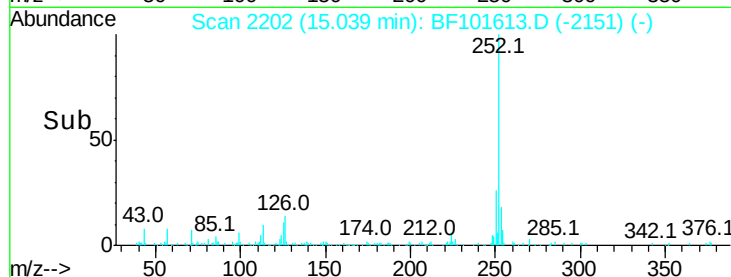
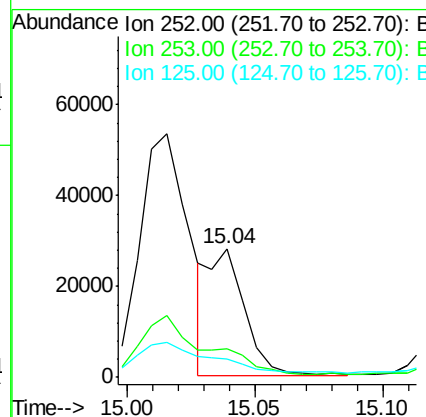
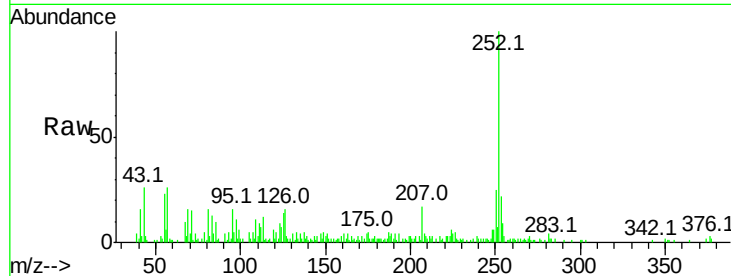
#88
Benzo(k)fluoranthene
Concen: 2.012 ng m
RT: 15.04 min Scan# 2202
Delta R.T. -0.00 min
Lab File: BF101613.D
Acq: 21 Dec 2017 18:06

Instrument :
BNA_F
ClientSampleId :
PB-10-OW(2-2.5)

Tot Ion	Ratio	Lower	Upper
252	100		
253	22.4	17.9	26.9
125	14.4	10.2	15.2

Manual Integrations
APPROVED

Sohil
12/22/2017 12:42:08 PM



#89
Benzo(a)pyrene
Concen: 3.461 ng
RT: 15.38 min Scan# 2260
Delta R.T. -0.00 min
Lab File: BF101613.D
Acq: 21 Dec 2017 18:06

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.7	17.1	25.7
125	15.5	9.8	14.6

