

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF122017\
 Data File : BF101567.D
 Acq On : 20 Dec 2017 15:02
 Operator : SJ/JU
 Sample : I6981-01 2X
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 PHMHA-WCS

Manual Integrations
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 12/21/2017 12:07:00 PM

Quant Time: Dec 20 16:00:55 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	6.79	152	143558	20.00	ng	0.00
21) Naphthalene-d8	8.07	136	558676	20.00	ng	0.00
38) Acenaphthene-d10	9.83	164	230347	20.00	ng	0.00
63) Phenanthrene-d10	11.32	188	365554	20.00	ng	0.00
75) Chrysene-d12	13.97	240	260031	20.00	ng	0.00
86) Perylene-d12	15.44	264	284722	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.41	112	490949	50.94	ng	0.00
7) Phenol-d6	6.43	99	643025	53.61	ng	0.00
23) Nitrobenzene-d5	7.36	82	404157	40.27	ng	0.00
41) 2,4,6-Tribromophenol	10.63	330	60342	27.19	ng	0.00
44) 2-Fluorobiphenyl	9.15	172	653019	43.98	ng	0.00
78) Terphenyl-d14	12.90	244	452636	41.96	ng	0.00
Target Compounds						Qvalue
70) Phenanthrene	11.35	178	312989	15.396	ng	99
71) Anthracene	11.40	178	98781	4.757	ng	98
74) Fluoranthene	12.54	202	596405	27.950	ng	97
77) Pyrene	12.77	202	502791	25.764	ng	100
80) Benzo(a)anthracene	13.96	228	244080	14.215	ng	97
82) Chrysene	14.00	228	221621	13.670	ng	99
85) Indeno(1,2,3-cd)pyrene	16.92	276	112680	7.805	ng	# 89
87) Benzo(b)fluoranthene	15.01	252	263384m	15.177	ng	
88) Benzo(k)fluoranthene	15.04	252	98631m	5.845	ng	
89) Benzo(a)pyrene	15.38	252	185291	11.582	ng	96
90) Dibenzo(a,h)anthracene	16.91	278	27580	2.008	ng	# 74
91) Benzo(g,h,i)perylene	17.36	276	99244	7.297	ng	95

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

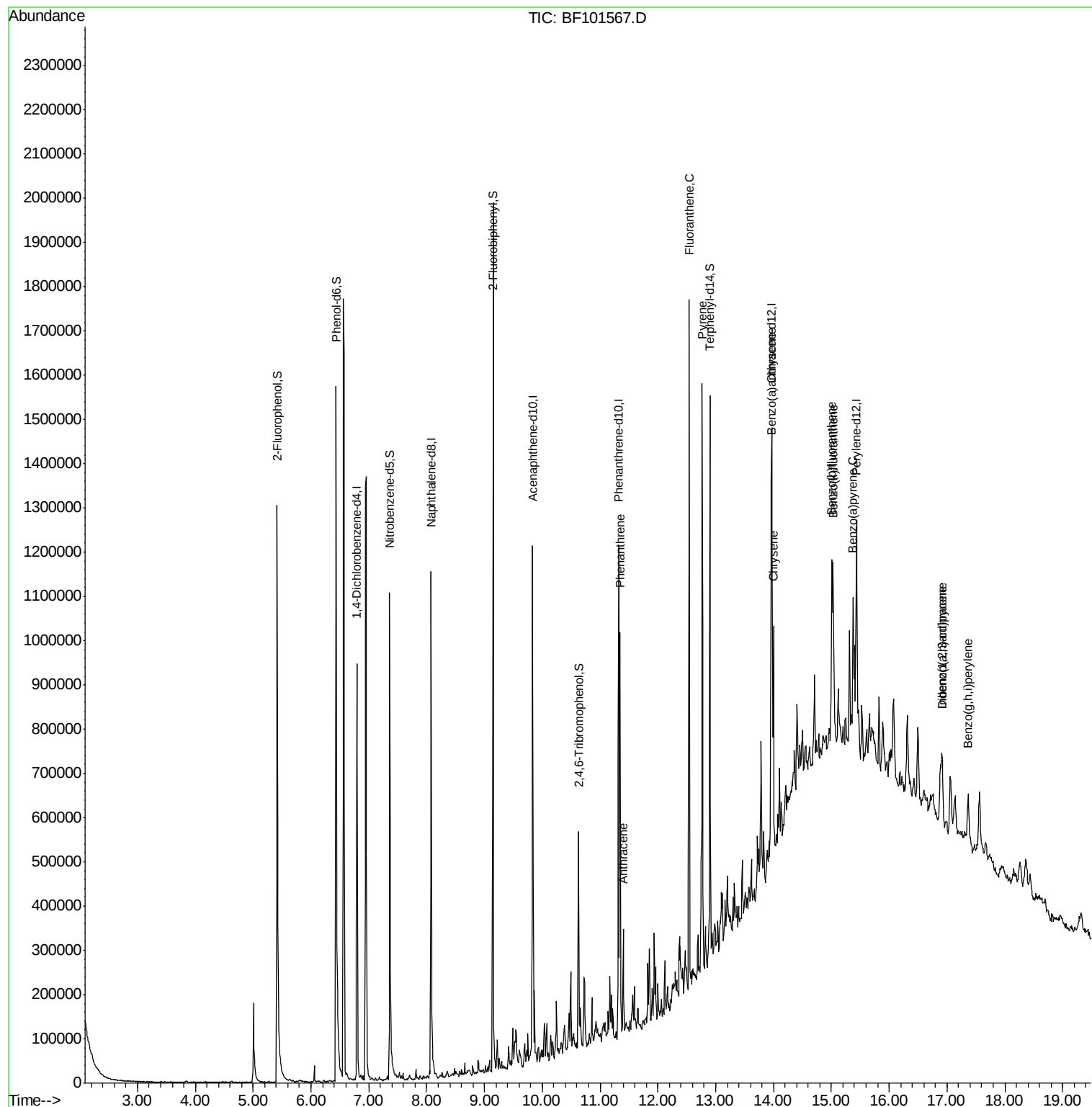
Data Path : Z:\HPCHEM1\BNA_F\DATA\BF122017\
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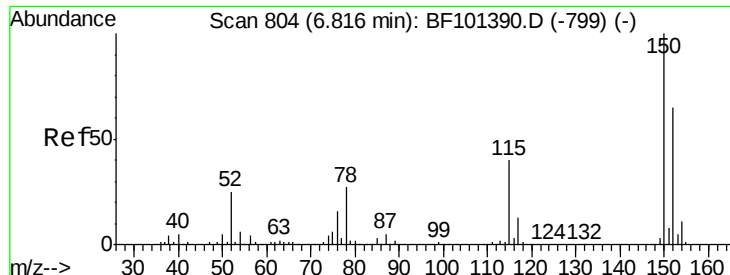
Instrument :
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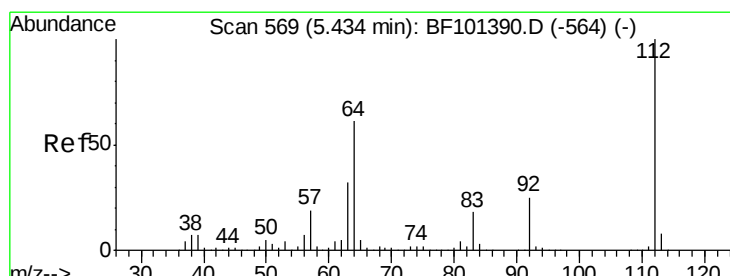
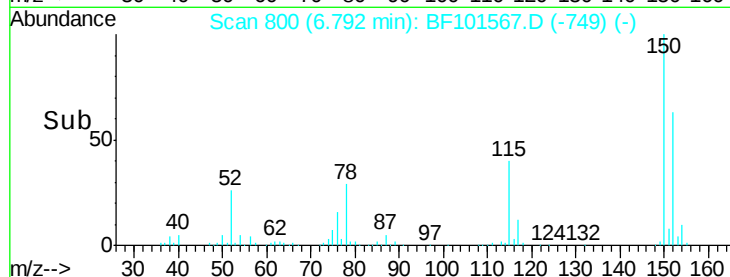
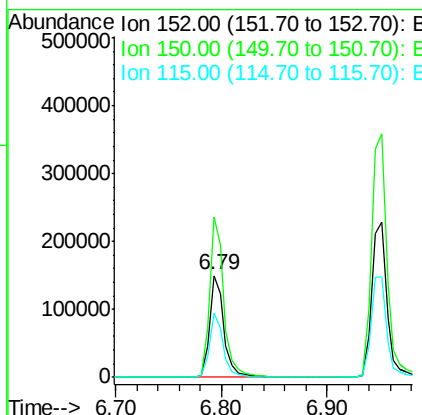
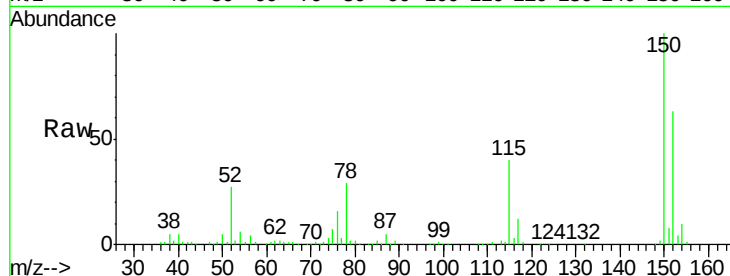
#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.79 min Scan# 800
 Delta R.T. 0.00 min
 Lab File: BF101567.D
 Acq: 20 Dec 2017 15:02

Instrument :
 BNA_F
 ClientSampleId :
 PHMHA-WCS

Tgt Ion	Ratio	Lower	Upper
152	100		
150	157.8	124.6	186.8
115	63.6	50.1	75.1

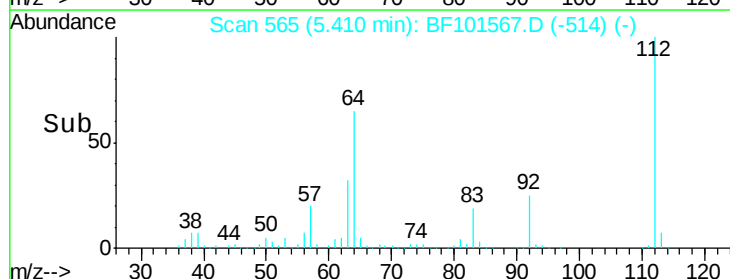
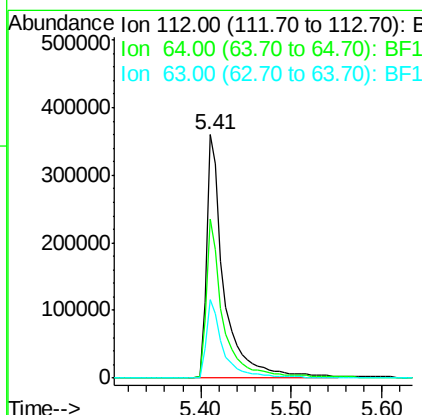
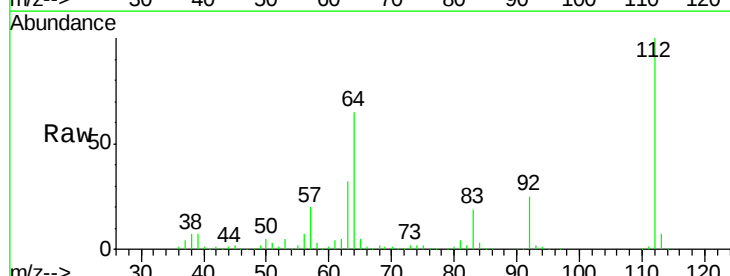
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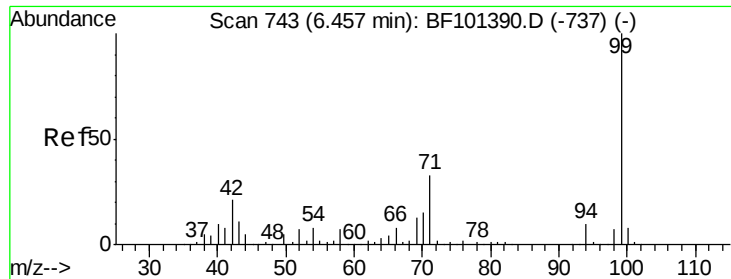
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#5
 2-Fluorophenol
 Concen: 50.942 ng
 RT: 5.41 min Scan# 565
 Delta R.T. 0.00 min
 Lab File: BF101567.D
 Acq: 20 Dec 2017 15:02

Tgt Ion	Ratio	Lower	Upper
112	100		
64	65.2	47.9	71.9
63	32.4	23.7	35.5





#7

Phenol-d6

Concen: 53.611 ng

RT: 6.43 min Scan# 739

Delta R.T. -0.01 min

Lab File: BF101567.D

Acq: 20 Dec 2017 15:02

Instrument :

BNA_F

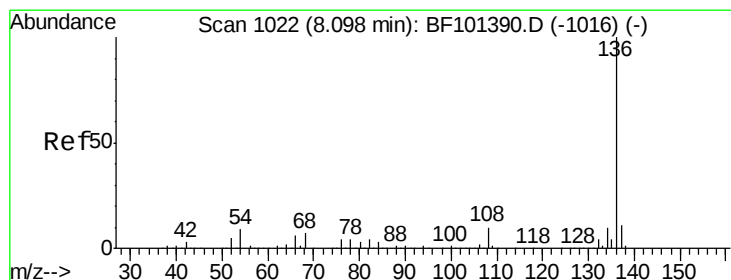
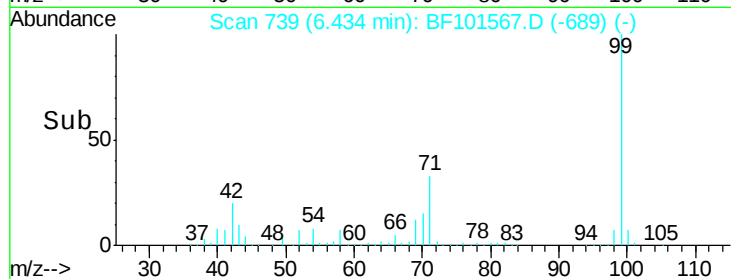
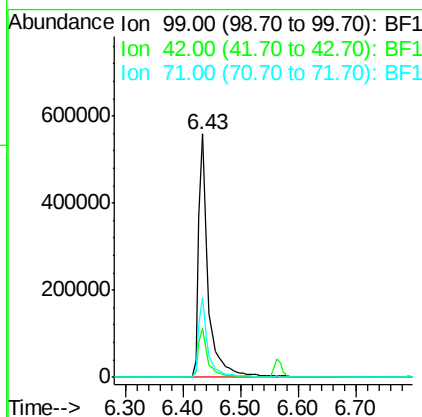
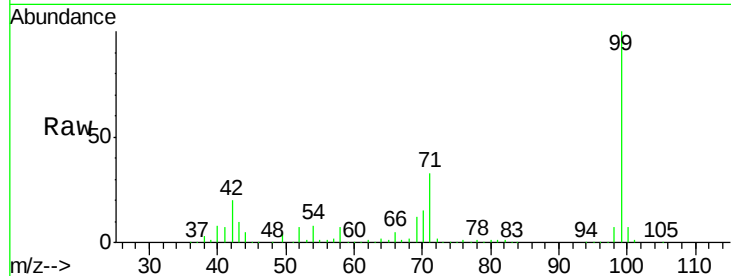
ClientSampleId :

PHMHA-WCS

Tgt Ion:	99	Resp:	643025
Ion Ratio	Lower	Upper	
99	100		
42	20.1	14.5	21.7
71	32.7	25.4	38.0

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#21

Naphthalene-d8

Concen: 20.000 ng

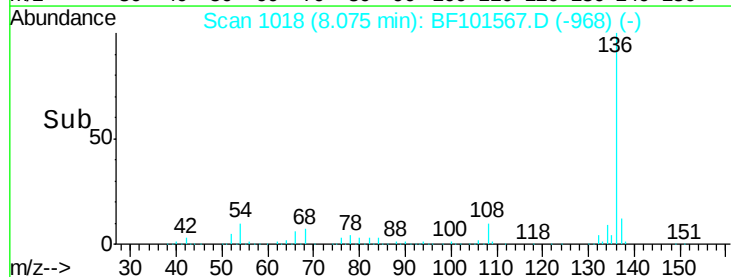
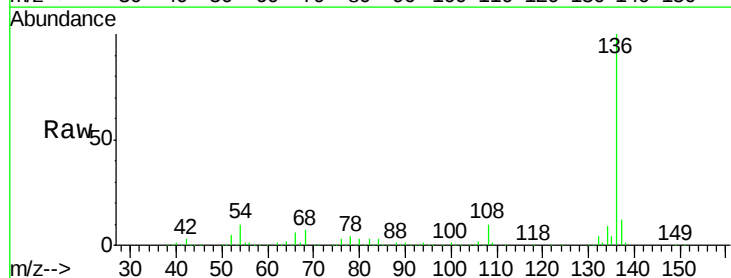
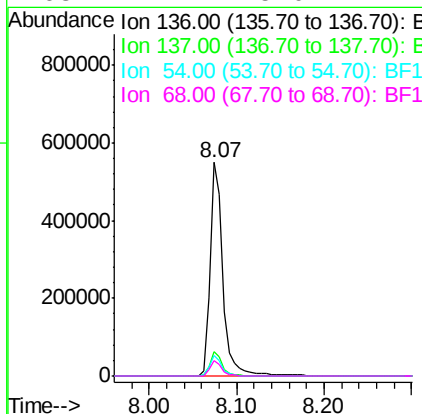
RT: 8.07 min Scan# 1018

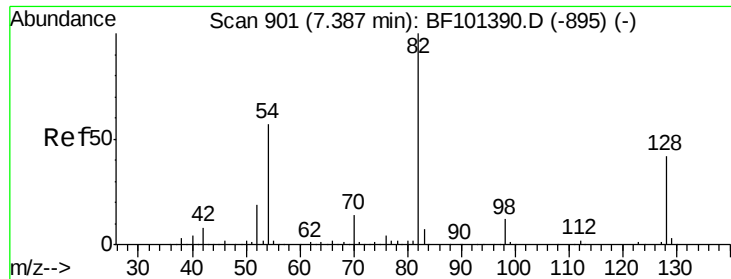
Delta R.T. -0.01 min

Lab File: BF101567.D

Acq: 20 Dec 2017 15:02

Tgt Ion:	136	Resp:	558676
Ion Ratio	Lower	Upper	
136	100		
137	11.5	8.9	13.3
54	9.8	6.6	9.8
68	7.1	5.0	7.4





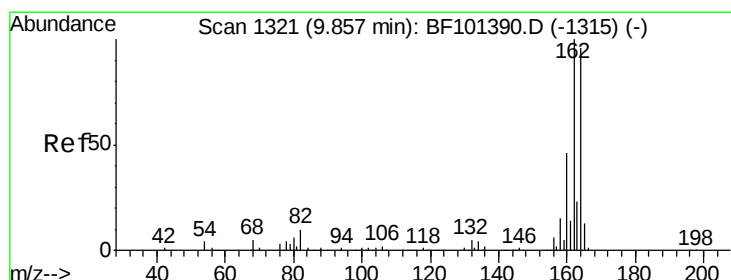
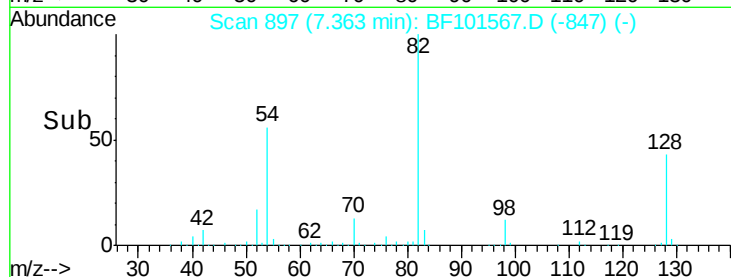
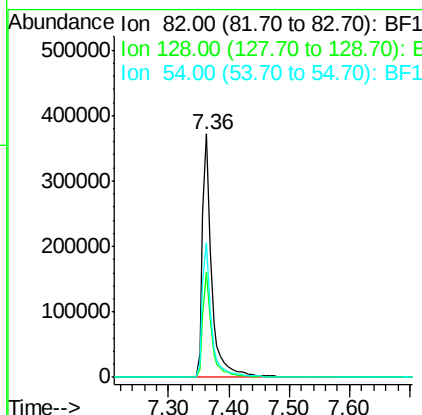
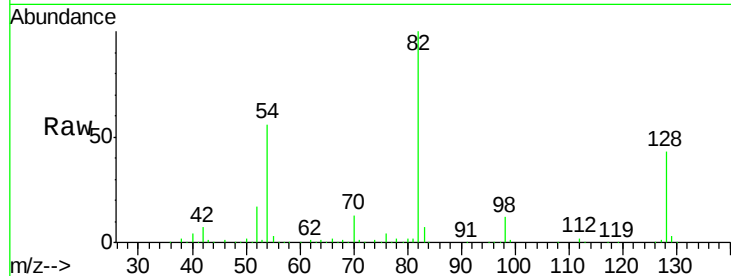
#23
 Nitrobenzene-d5
 Concen: 40.270 ng
 RT: 7.36 min Scan# 897
 Delta R.T. -0.01 min
 Lab File: BF101567.D
 Acq: 20 Dec 2017 15:02

Instrument :
 BNA_F
 ClientSampleId :
 PHMHA-WCS

Tgt Ion	Ratio	Resp Lower	Resp Upper
82	100		
128	43.1	36.1	54.1
54	55.6	41.4	62.2

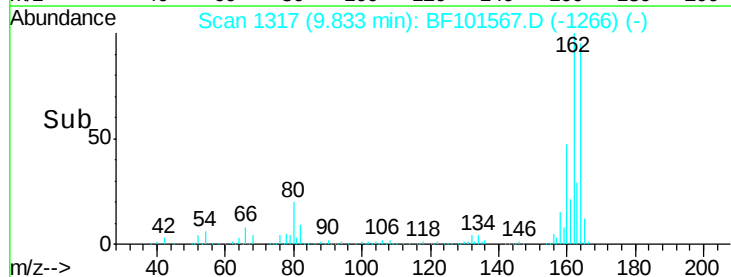
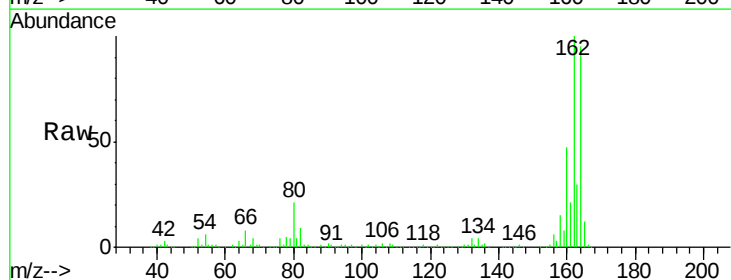
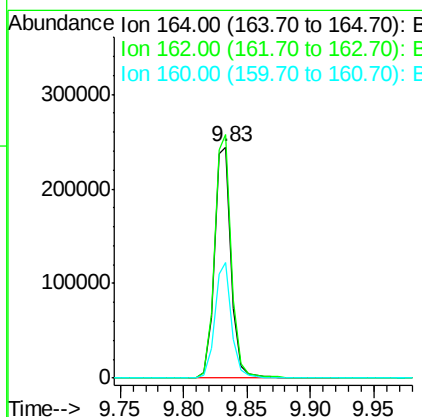
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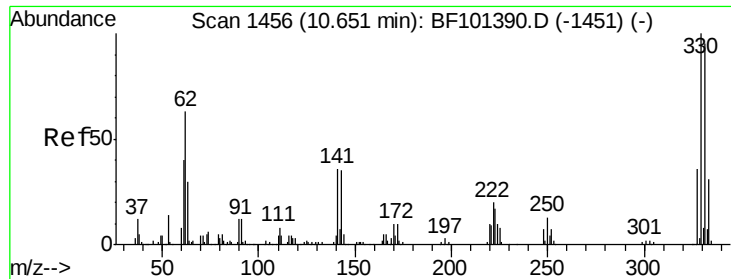
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#38
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.83 min Scan# 1317
 Delta R.T. 0.00 min
 Lab File: BF101567.D
 Acq: 20 Dec 2017 15:02

Tgt Ion	Ratio	Resp Lower	Resp Upper
164	100		
162	105.3	86.1	129.1
160	49.9	38.3	57.5





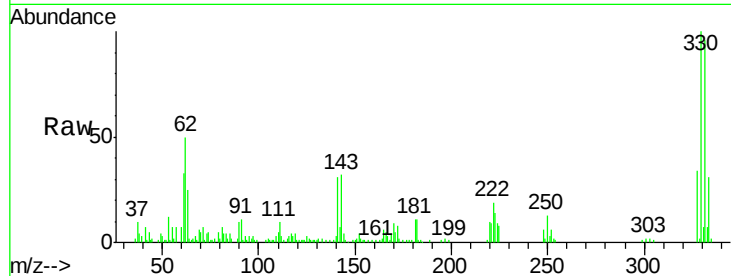
#41
 2,4,6-Tribromophenol
 Concen: 27.186 ng
 RT: 10.63 min Scan# 1452
 Delta R.T. -0.01 min
 Lab File: BF101567.D
 Acq: 20 Dec 2017 15:02

Instrument :
 BNA_F
 ClientSampleId :
 PHMHA-WCS

Tgt Ion	Ratio	Lower	Upper
330	100		
332	93.9	77.0	115.6
141	38.3	29.9	44.9

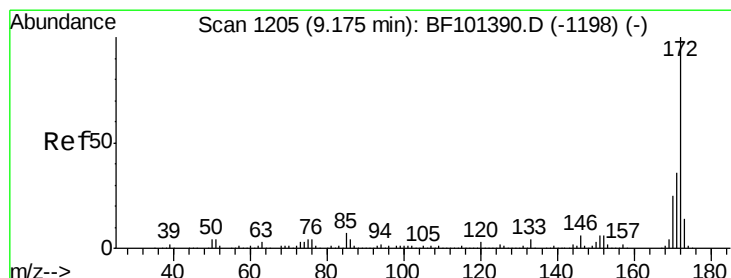
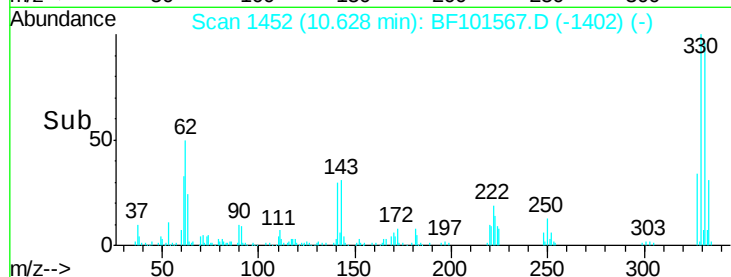
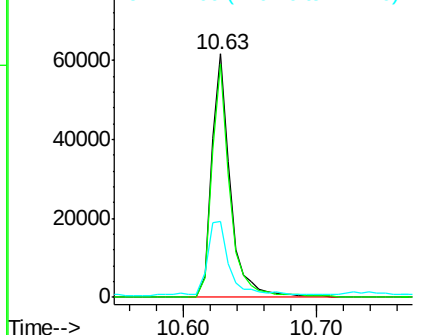
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Abundance

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

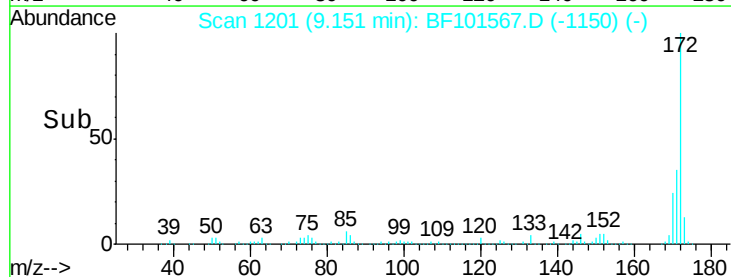
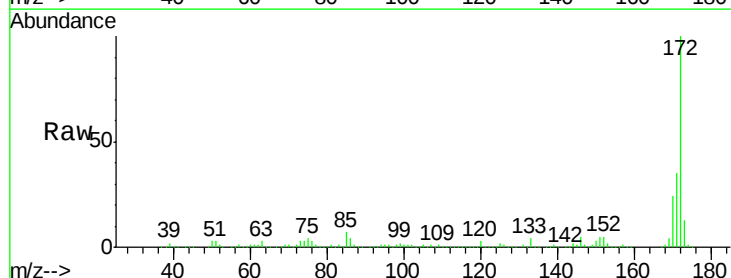
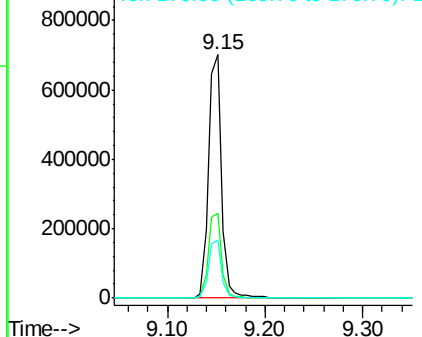


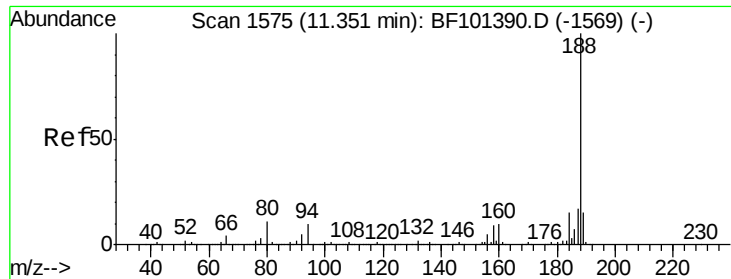
#44
 2-Fluorobiphenyl
 Concen: 43.977 ng
 RT: 9.15 min Scan# 1201
 Delta R.T. 0.00 min
 Lab File: BF101567.D
 Acq: 20 Dec 2017 15:02

Tgt Ion	Ratio	Lower	Upper
172	100		
171	35.0	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





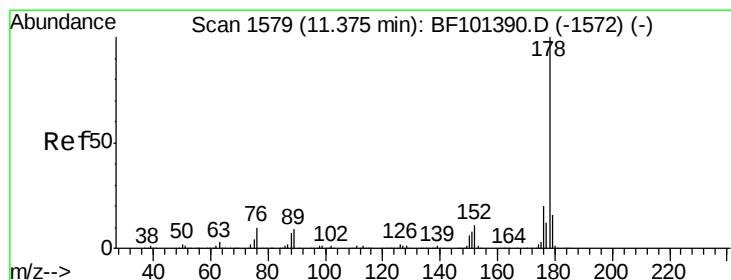
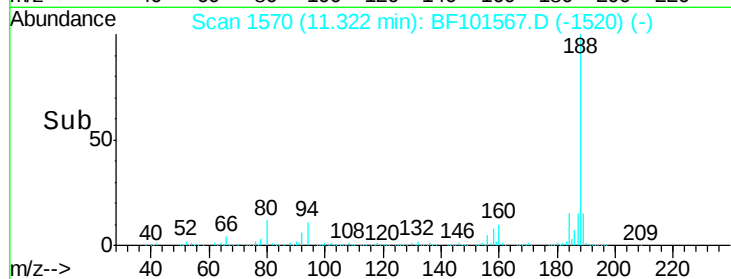
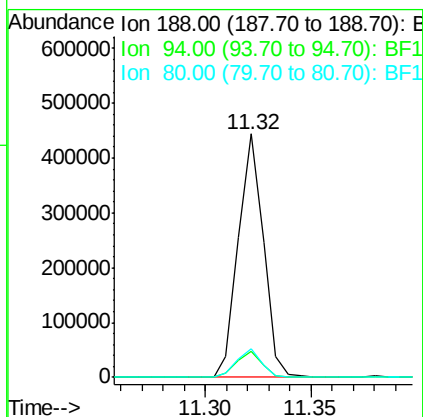
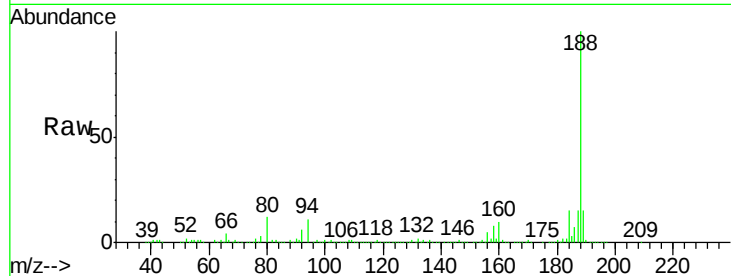
#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.32 min Scan# 1570
Delta R.T. -0.01 min
Lab File: BF101567.D
Acq: 20 Dec 2017 15:02

Instrument :
BNA_F
ClientSampleId :
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Tgt Ion	Ratio	Resp	Lower	Upper
188	100	365554		
94	10.6		8.5	12.7
80	11.7		9.2	13.8

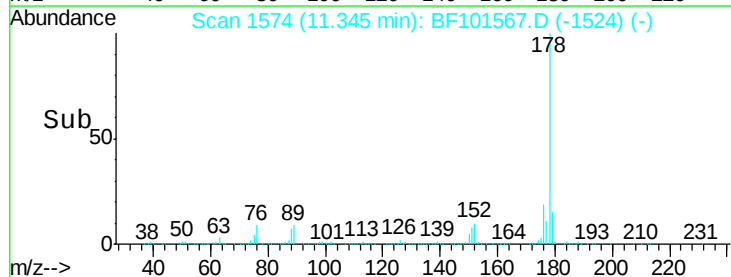
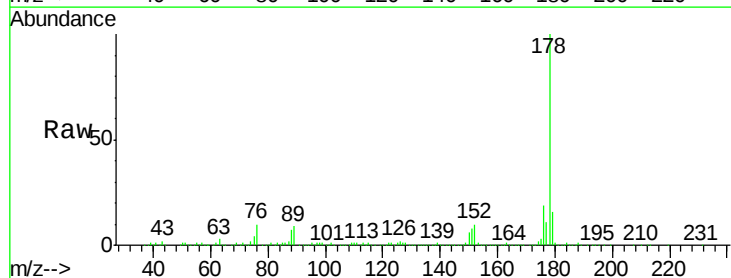
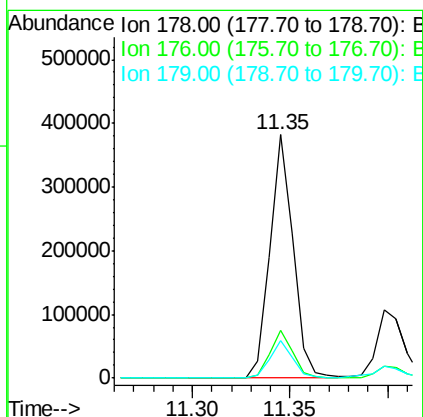
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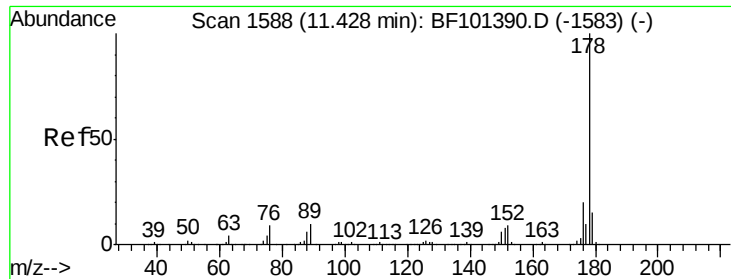
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#70
Phenanthrene
Concen: 15.396 ng
RT: 11.35 min Scan# 1574
Delta R.T. -0.01 min
Lab File: BF101567.D
Acq: 20 Dec 2017 15:02

Tgt Ion	Ratio	Resp	Lower	Upper
178	100	312989		
176	19.5		15.8	23.8
179	15.5		13.0	19.6





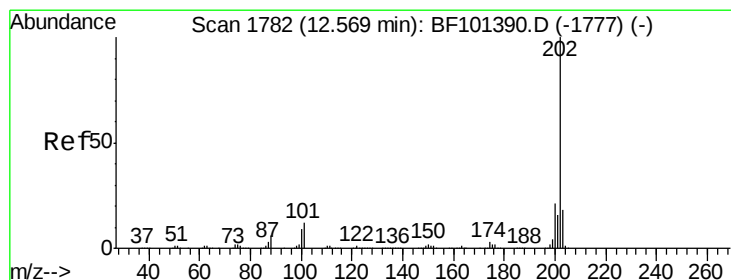
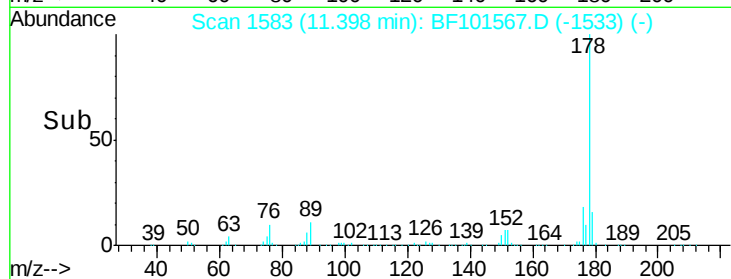
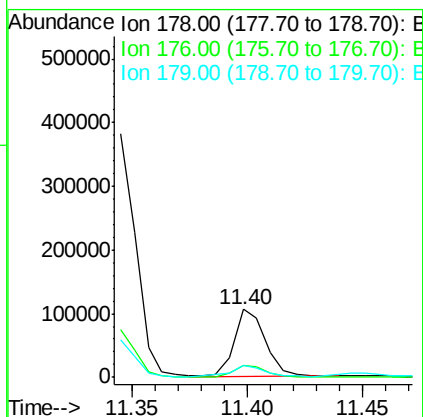
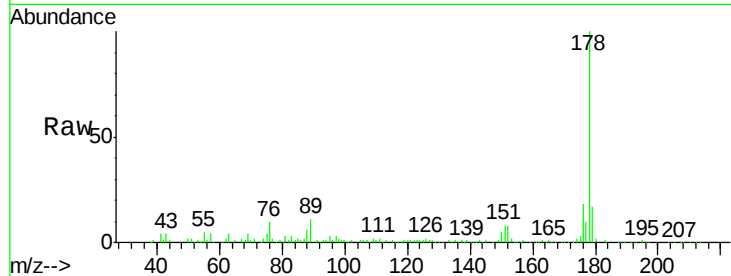
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 Anthracene
 Concen: 4.757 ng
 RT: 11.40 min Scan# 1583
 Delta R.T. -0.01 min
 Lab File: BF101567.D
 Acq: 20 Dec 2017 15:02

Instrument :
 BNA_F
 ClientSampleId :
 PHMHA-WCS

Tgt Ion	Ratio	Lower	Upper
178	100		
176	18.3	15.4	23.2
179	16.8	12.6	19.0

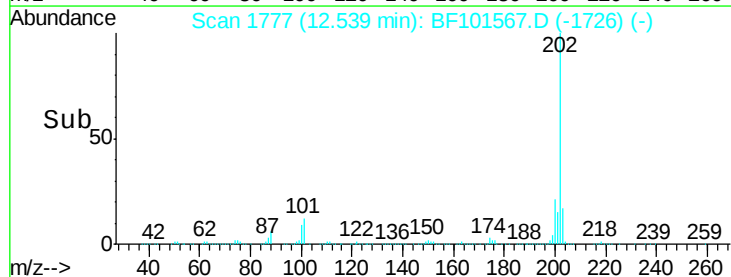
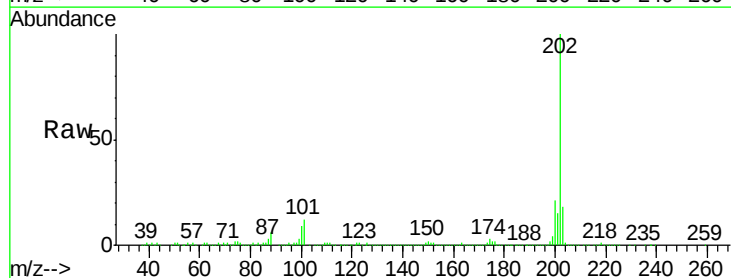
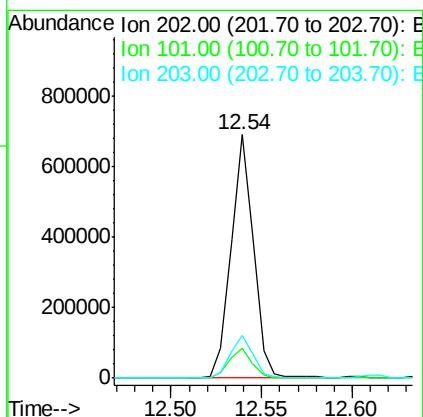
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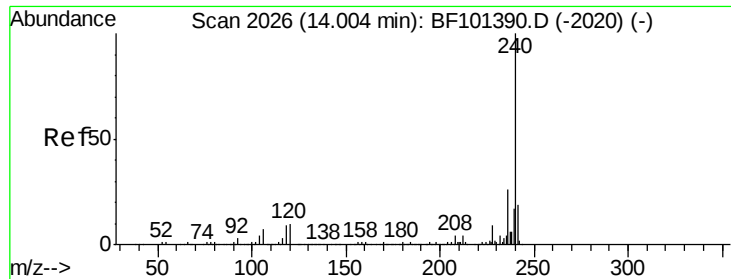
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#74
 Fluoranthene
 Concen: 27.950 ng
 RT: 12.54 min Scan# 1777
 Delta R.T. 0.00 min
 Lab File: BF101567.D
 Acq: 20 Dec 2017 15:02

Tgt Ion	Ratio	Lower	Upper
202	100		
101	12.3	0.0	34.1
203	17.5	0.0	38.1





#75

Chrysene-d12

Concen: 20.000 ng

RT: 13.97 min Scan# 2020

Delta R.T. -0.01 min

Lab File: BF101567.D

Acq: 20 Dec 2017 15:02

Instrument :

BNA_F

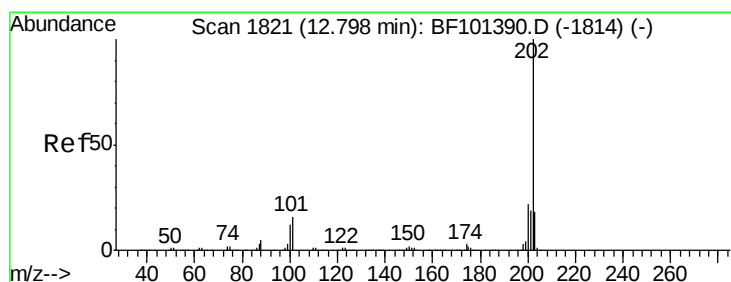
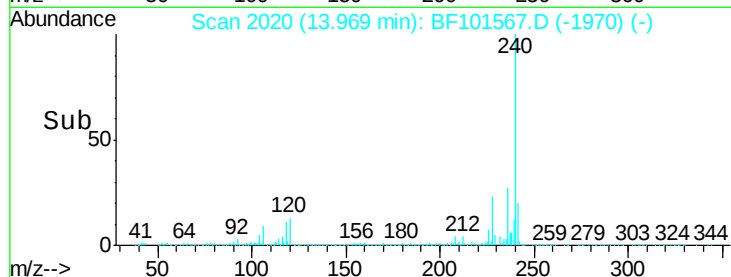
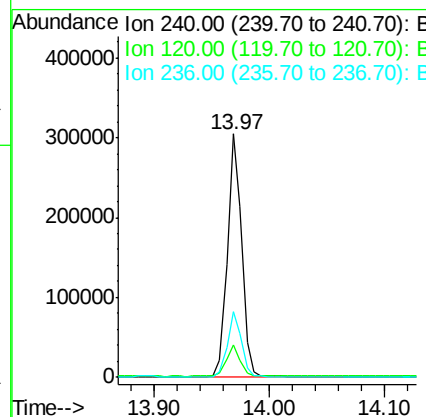
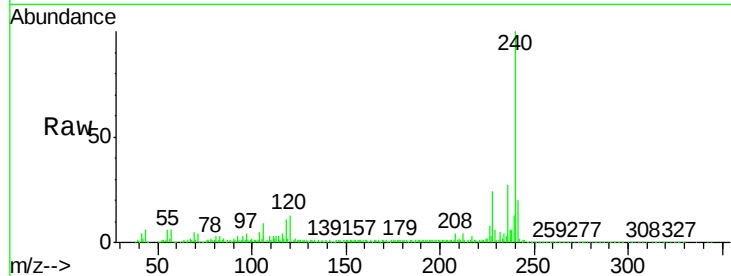
ClientSampleId :

PHMHA-WCS

Tgt Ion:	240	Resp:	260031
Ion Ratio	Lower	Upper	
240	100		
120	13.5	9.5	14.3
236	26.8	20.7	31.1

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#77

Pyrene

Concen: 25.764 ng

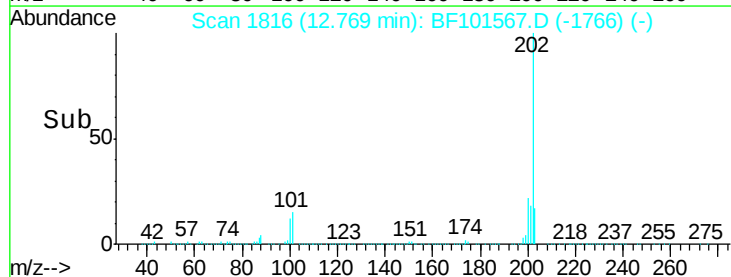
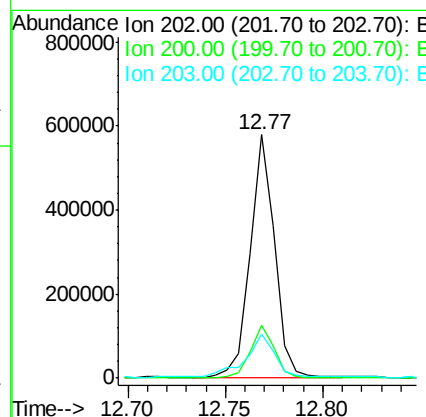
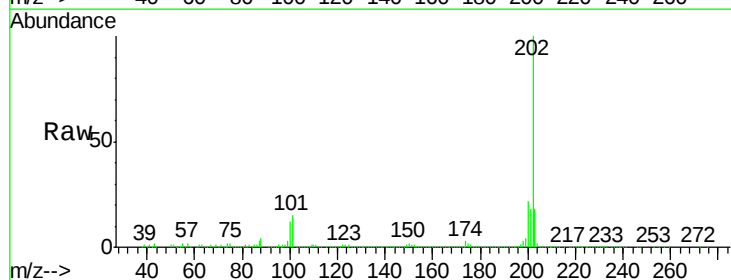
RT: 12.77 min Scan# 1816

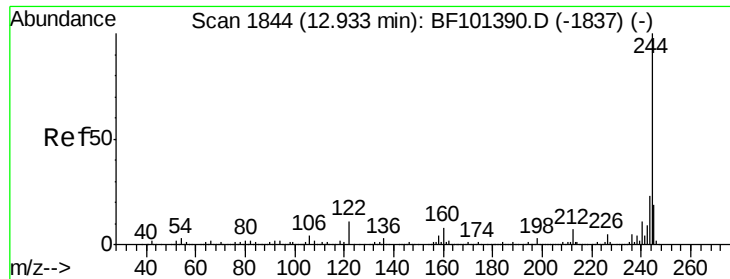
Delta R.T. -0.01 min

Lab File: BF101567.D

Acq: 20 Dec 2017 15:02

Tgt Ion:	202	Resp:	502791
Ion Ratio	Lower	Upper	
202	100		
200	21.6	17.4	26.2
203	17.9	14.3	21.5





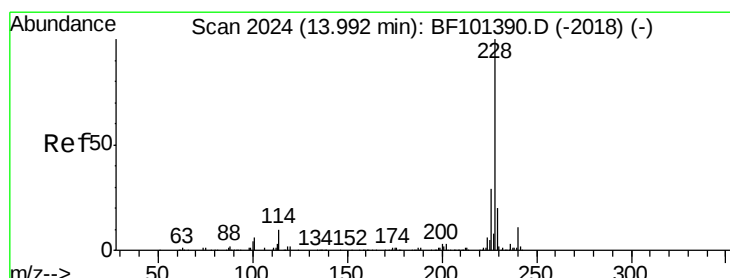
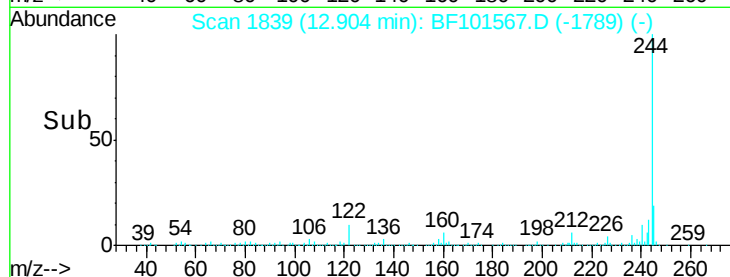
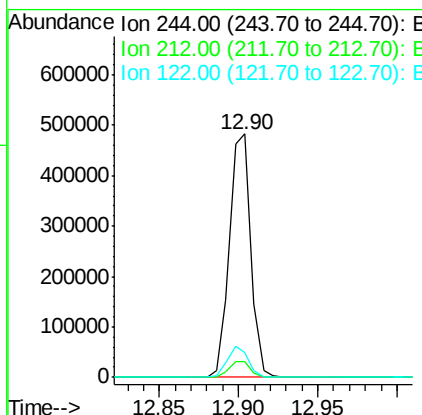
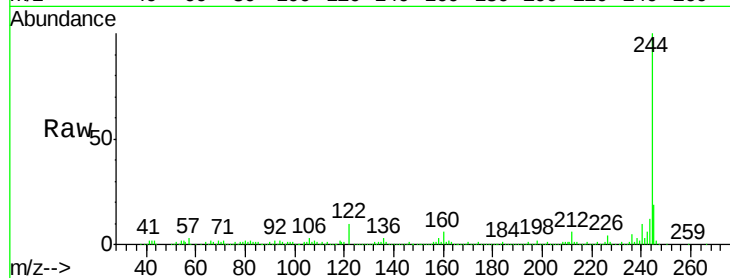
#78
 Terphenyl-d14
 Concen: 41.964 ng
 RT: 12.90 min Scan# 1839
 Delta R.T. -0.01 min
 Lab File: BF101567.D
 Acq: 20 Dec 2017 15:02

Instrument :
 BNA_F
 ClientSampleId :
 PHMHA-WCS

Tgt Ion	Ratio	Lower	Upper
244	100		
212	6.4	5.4	8.0
122	10.0	11.0	16.4

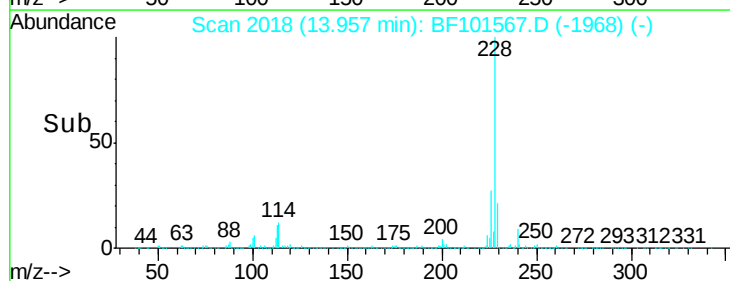
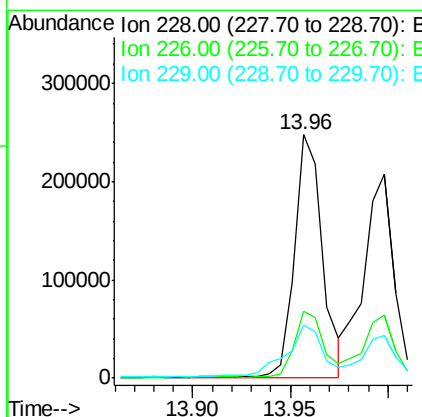
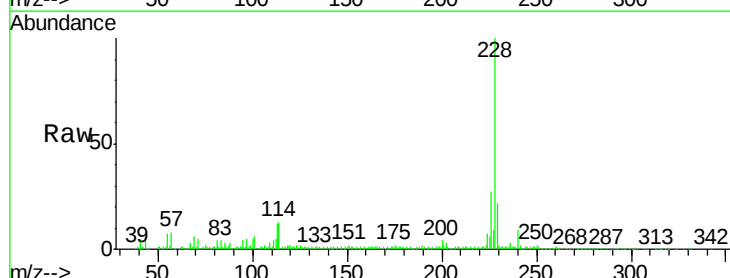
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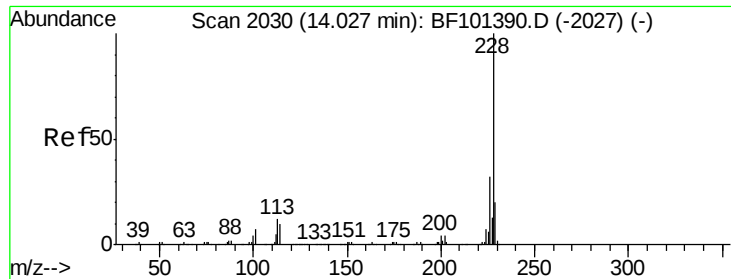
Sohil
 12/21/2017 12:07:00 PM



#80
 Benzo(a)anthracene
 Concen: 14.215 ng
 RT: 13.96 min Scan# 2018
 Delta R.T. -0.01 min
 Lab File: BF101567.D
 Acq: 20 Dec 2017 15:02

Tgt Ion	Ratio	Lower	Upper
228	100		
226	27.4	22.6	33.8
229	21.6	15.8	23.6





#82

Chrysene

Concen: 13.670 ng

RT: 14.00 min Scan# 2025

Delta R.T. -0.01 min

Lab File: BF101567.D

Acq: 20 Dec 2017 15:02

Instrument :

BNA_F

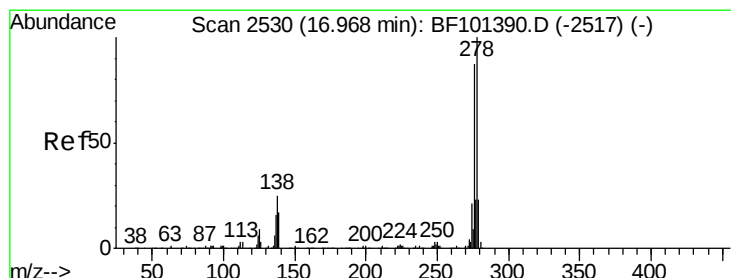
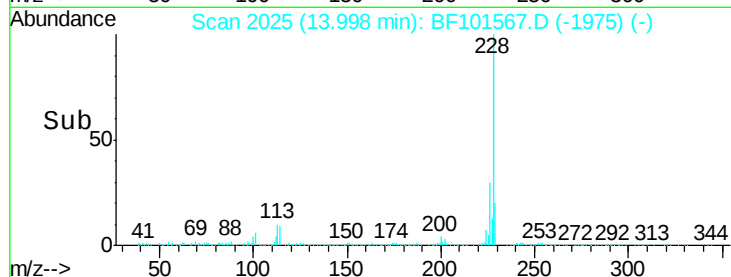
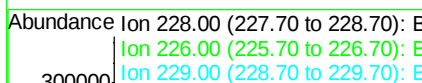
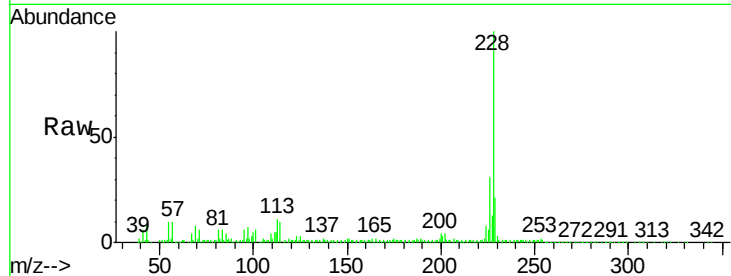
ClientSampleId :

PHMHA-WCS

Tgt Ion:	228	Resp:	221621
Ion Ratio	Lower	Upper	
228	100		
226	31.0	25.0	37.6
229	21.0	16.2	24.4

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#85

Indeno(1,2,3-cd)pyrene

Concen: 7.805 ng

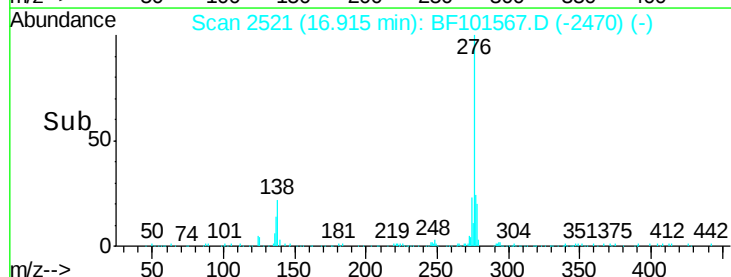
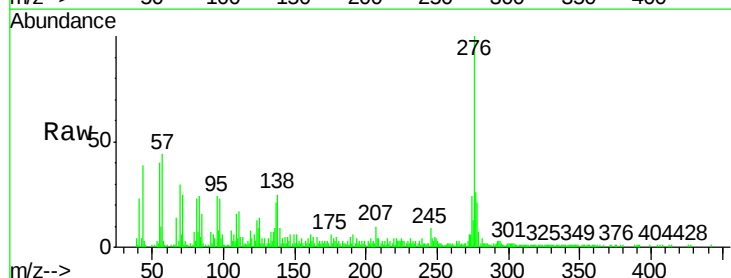
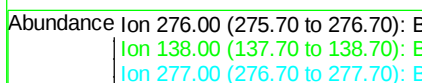
RT: 16.92 min Scan# 2521

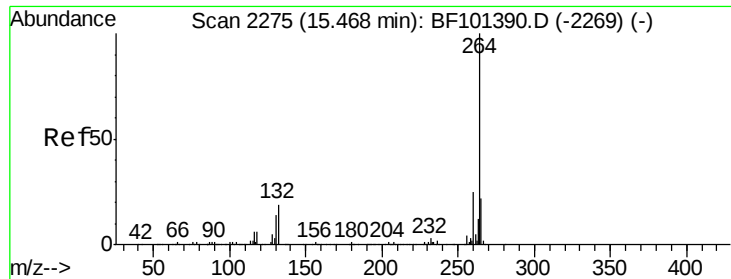
Delta R.T. 0.00 min

Lab File: BF101567.D

Acq: 20 Dec 2017 15:02

Tgt Ion:	276	Resp:	112680
Ion Ratio	Lower	Upper	
276	100		
138	22.6	25.0	37.6#
277	22.0	20.1	30.1





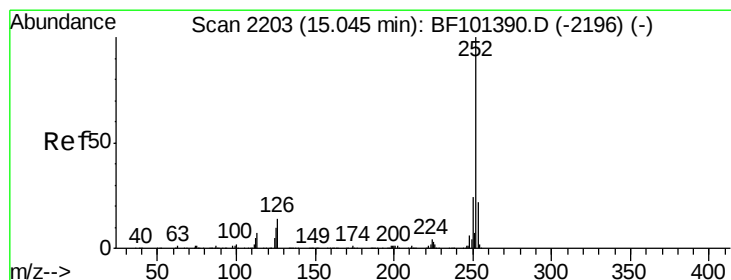
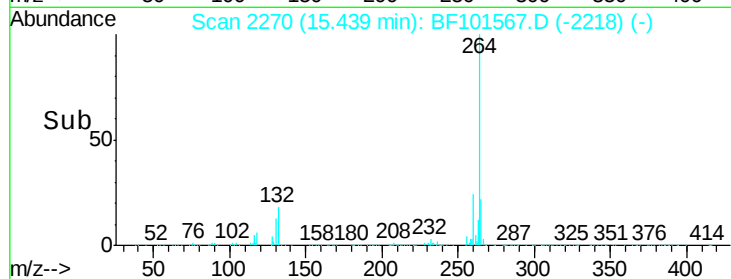
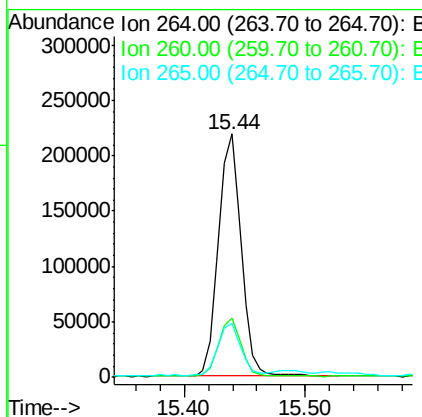
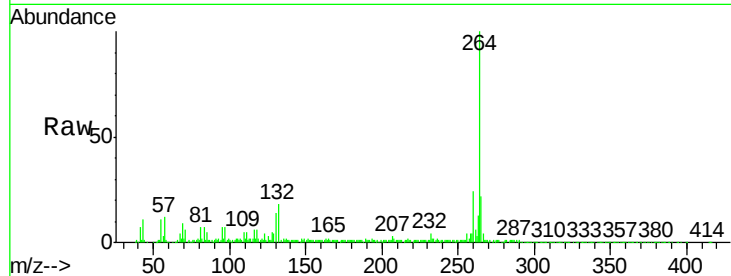
#86
Perylene-d12
Concen: 20.000 ng
RT: 15.44 min Scan# 2270
Delta R.T. 0.01 min
Lab File: BF101567.D
Acq: 20 Dec 2017 15:02

Instrument :
BNA_F
ClientSampleId :
PHMHA-WCS

Tgt Ion	Ratio	Resp	Lower	Upper
264	100	284722		
260	24.5	19.2	28.8	
265	22.4	17.5	26.3	

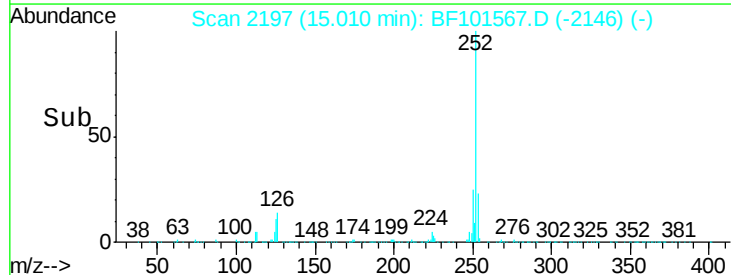
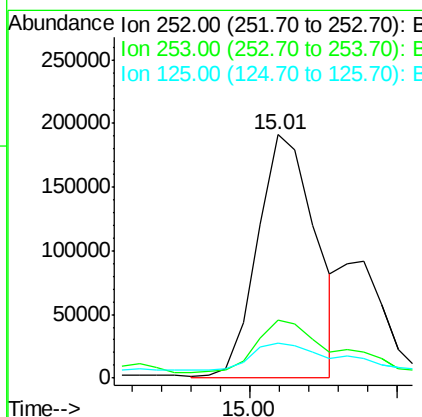
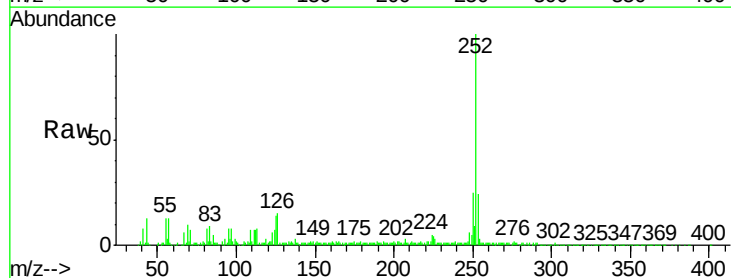
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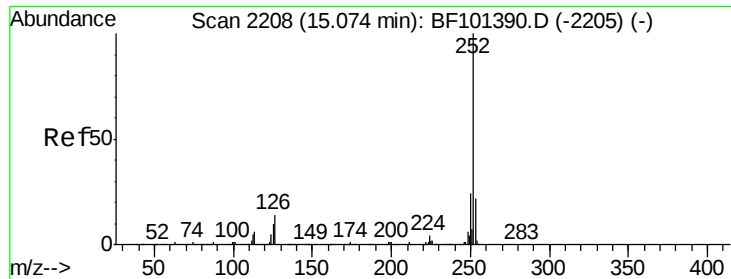
Sohil
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#87
Benzo(b)fluoranthene
Concen: 15.177 ng m
RT: 15.01 min Scan# 2197
Delta R.T. 0.00 min
Lab File: BF101567.D
Acq: 20 Dec 2017 15:02

Tgt Ion	Ratio	Resp	Lower	Upper
252	100	263384		
253	24.0	17.0	25.6	
125	14.3	9.0	13.6	





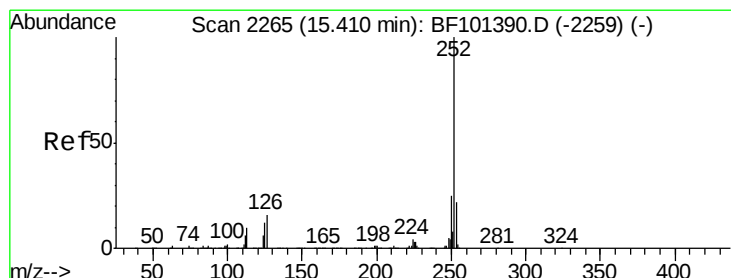
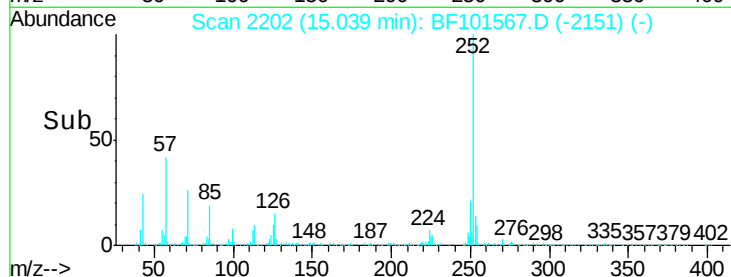
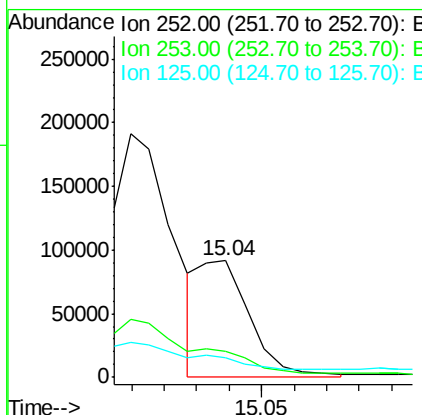
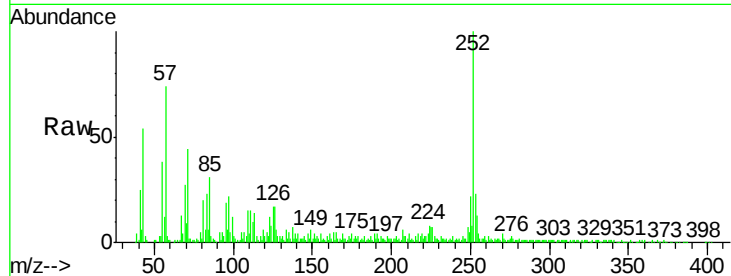
#88
Benzo(k)fluoranthene
Concen: 5.845 ng m
RT: 15.04 min Scan# 2202
Delta R.T. 0.00 min
Lab File: BF101567.D
Acq: 20 Dec 2017 15:02

Instrument :
BNA_F
ClientSampleId :
PHMHA-WCS

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.6	17.9	26.9
125	16.9	10.2	15.2

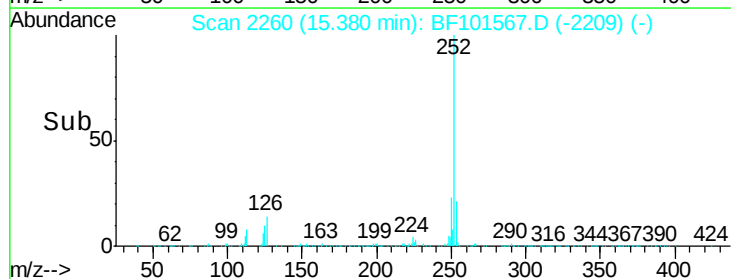
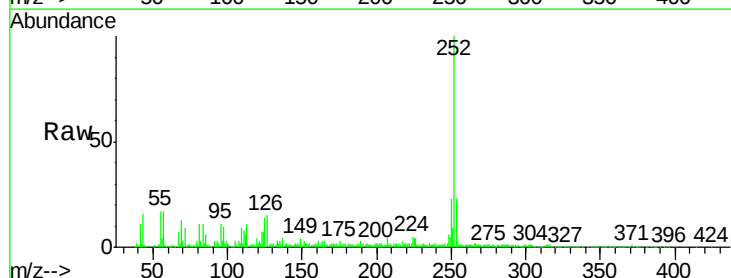
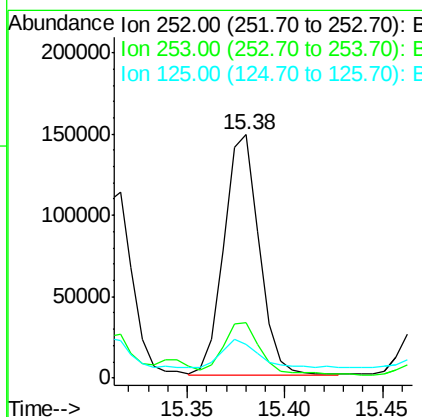
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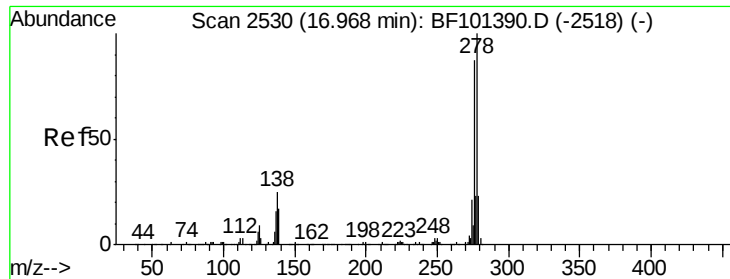
Sohil
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#89
Benzo(a)pyrene
Concen: 11.582 ng
RT: 15.38 min Scan# 2260
Delta R.T. 0.00 min
Lab File: BF101567.D
Acq: 20 Dec 2017 15:02

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.9	17.1	25.7
125	14.0	9.8	14.6





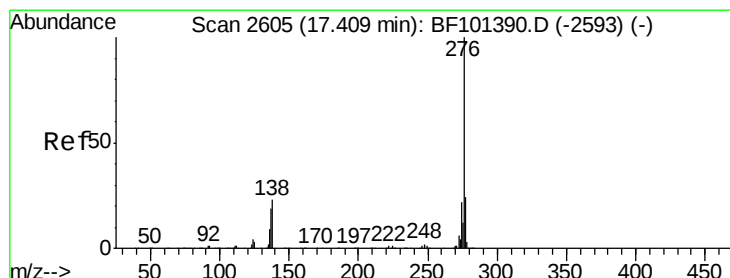
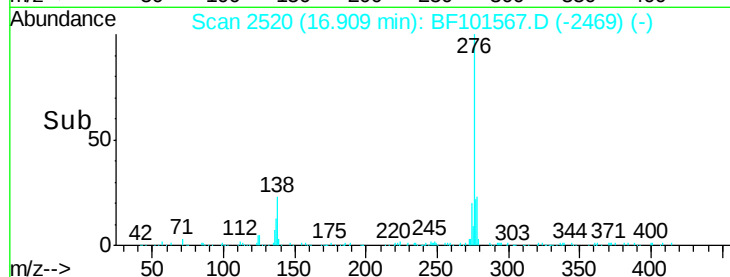
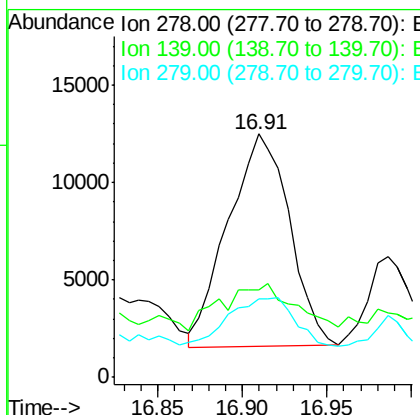
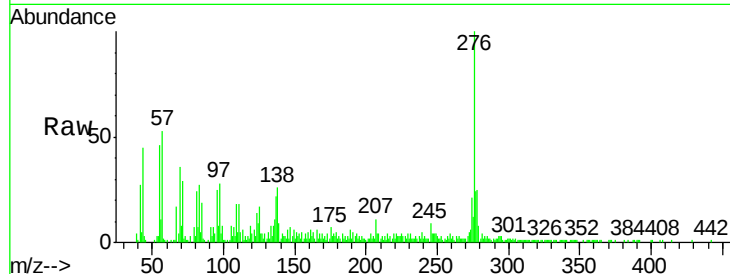
#90
Dibenzo(a,h)anthracene
Concen: 2.008 ng
RT: 16.91 min Scan# 2520
Delta R.T. 0.00 min
Lab File: BF101567.D
Acq: 20 Dec 2017 15:02

Instrument :
BNA_F
ClientSampleId :
PHMHA-WCS

Tgt Ion	Ratio	Lower	Upper
278	100		
139	36.1	15.9	23.9#
279	32.3	19.0	28.4#

Manual Integrations
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12/21/2017 12:07:00 PM



#91
Benzo(g,h,i)perylene
Concen: 7.297 ng
RT: 17.36 min Scan# 2597
Delta R.T. 0.01 min
Lab File: BF101567.D
Acq: 20 Dec 2017 15:02

Tgt Ion	Ratio	Lower	Upper
276	100		
277	25.2	17.9	26.9
138	25.4	21.8	32.8

