

Data Path : \\74.0.250.170\SV0ASRV\HPCHEM1\BNA F\DATA\BF121917\
 Data File : BF101535.D
 Acq On : 19 Dec 2017 21:03
 Operator : SJ/JU
 Sample : I6981-01 10X
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 PHMHA-WCS

Manual Integrations
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 12/20/2017 3:48:02 PM

Quant Time: Dec 20 07:52:47 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF121417.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Dec 18 15:38:59 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.80	152	155269	20.00	ng	0.00
21) Naphthalene-d8	8.09	136	622683	20.00	ng	0.00
38) Acenaphthene-d10	9.85	164	246031	20.00	ng	0.00
63) Phenanthrene-d10	11.34	188	390039	20.00	ng	0.00
75) Chrysene-d12	13.99	240	314702	20.00	ng	0.00
86) Perylene-d12	15.46	264	319504	20.00	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.44	112	96586	9.27	ng	0.02
7) Phenol-d6	6.46	99	123159	9.49	ng	0.00
23) Nitrobenzene-d5	7.39	82	75239	6.73	ng	0.00
41) 2,4,6-Tribromophenol	10.65	330	9417	3.97	ng	0.00
44) 2-Fluorobiphenyl	9.16	172	147112	9.28	ng	0.00
78) Terphenyl-d14	12.92	244	98906	7.58	ng	0.00
Target Compounds						
70) Phenanthrene	11.36	178	63076	2.908	ng	Qvalue 97
74) Fluoranthene	12.56	202	131879	5.792	ng	96
77) Pyrene	12.79	202	112069	4.745	ng	99
80) Benzo(a)anthracene	13.97	228	52982	2.550	ng	96
82) Chrysene	14.02	228	49451	2.520	ng	94
87) Benzo(b)fluoranthene	15.03	252	59276m	3.044	ng	
89) Benzo(a)pyrene	15.40	252	39466	2.198	ng	# 90

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

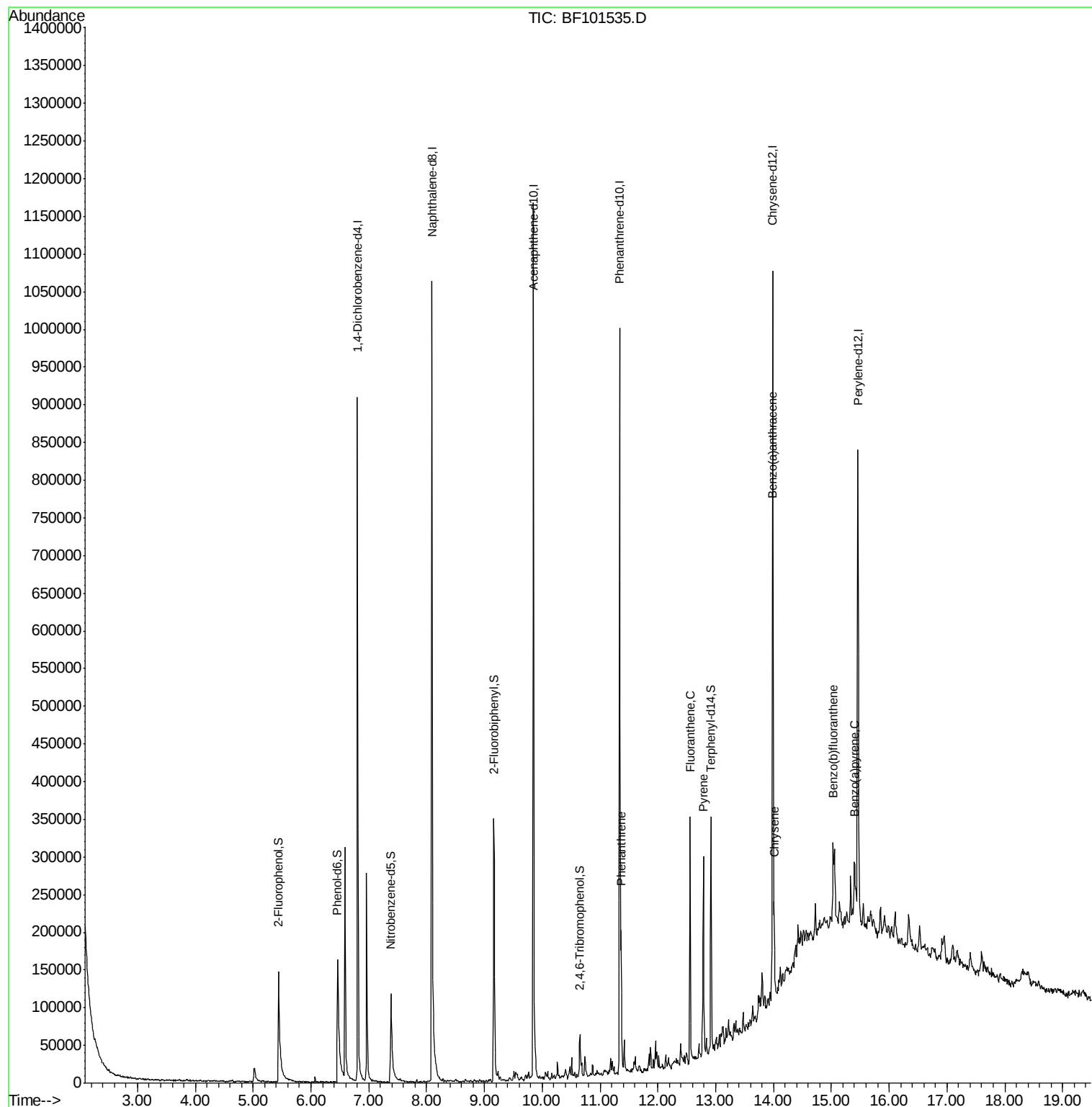
Data Path : \\74.0.250.170\SVOASRV\HPCHEM1\BNA F\DATA\BF121917\
Data File : BF101535.D
Acq On : 19 Dec 2017 21:03
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ALS Vial : 20 Sample Multiplier: 1

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#1

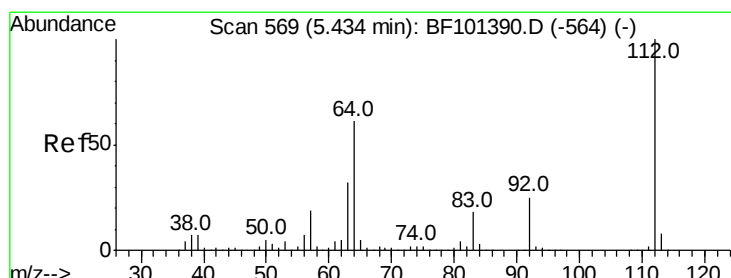
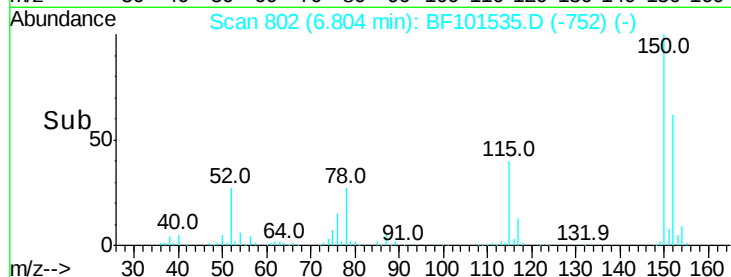
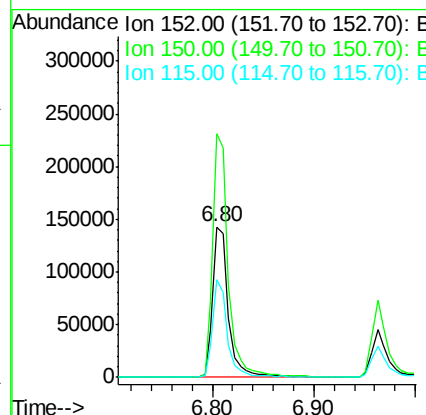
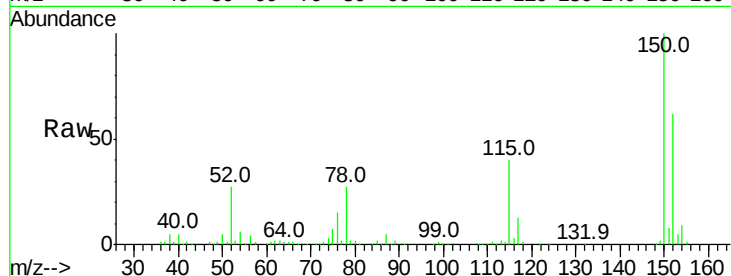
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.80 min Scan# 802
Delta R.T. -0.01 min
Lab File: BF101535.D
Acq: 19 Dec 2017 21:03

Instrument :
BNA_F
ClientSampleId :
PHMHA-WCS

Tot Ion	Ratio	Lower	Upper
152	100		
150	161.4	124.6	186.8
115	65.1	50.1	75.1

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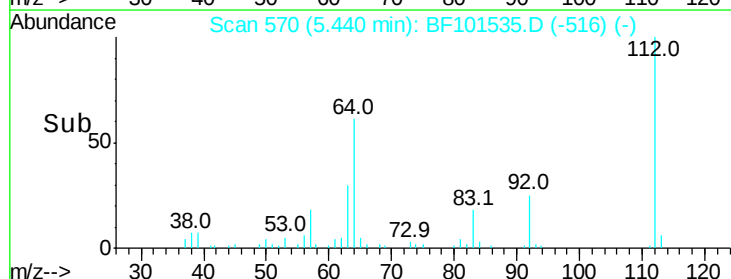
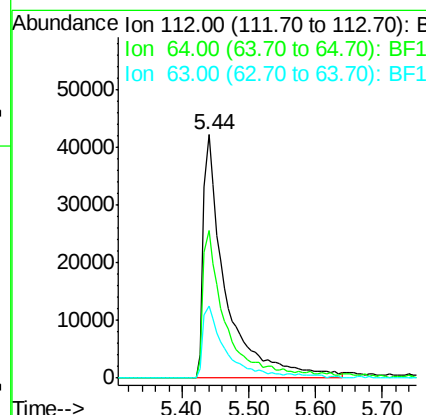
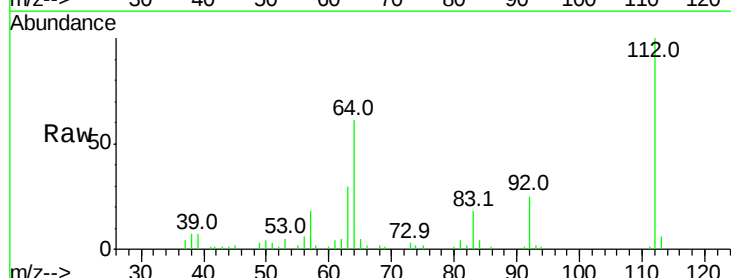
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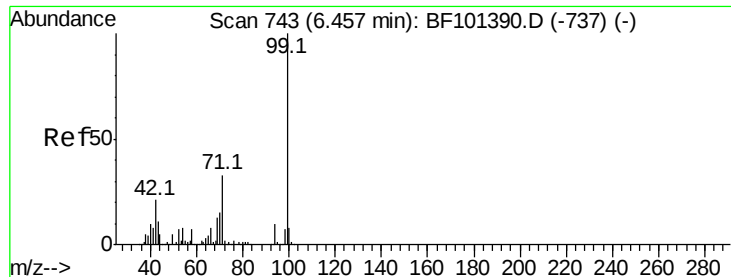


#5

2-Fluorophenol
Concen: 9.266 ng
RT: 5.44 min Scan# 570
Delta R.T. 0.02 min
Lab File: BF101535.D
Acq: 19 Dec 2017 21:03

Tgt Ion	Ratio	Lower	Upper
112	100		
64	60.8	47.9	71.9
63	29.8	23.7	35.5





#7

Phenol-d6

Concen: 9.494 ng

RT: 6.46 min Scan# 743

Delta R.T. 0.01 min

Lab File: BF101535.D

Acq: 19 Dec 2017 21:03

Instrument :

BNA_F

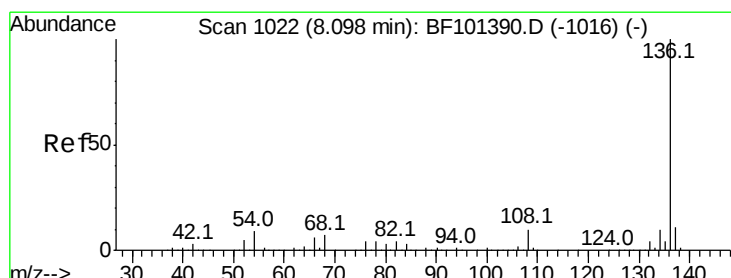
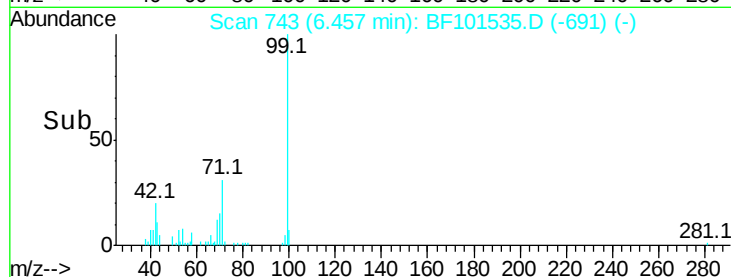
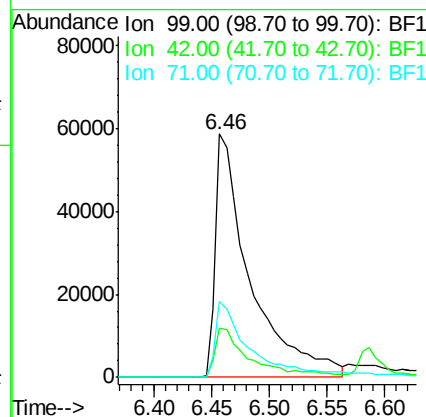
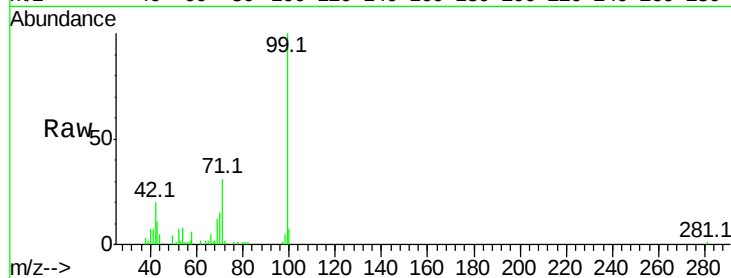
ClientSampleId :

PHMHA-WCS

Tot Ion	99	Resp	123159
Ion Ratio	Lower	Upper	
99	100		
42	19.9	14.5	21.7
71	31.1	25.4	38.0

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#21

Naphthalene-d8

Concen: 20.000 ng

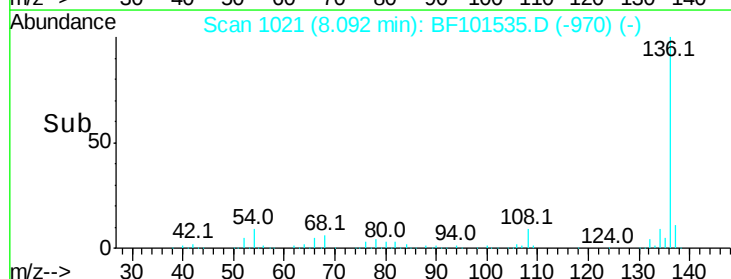
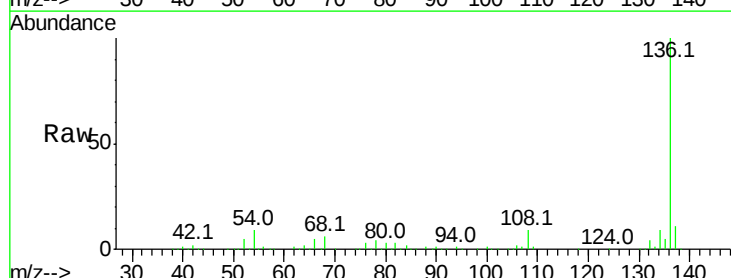
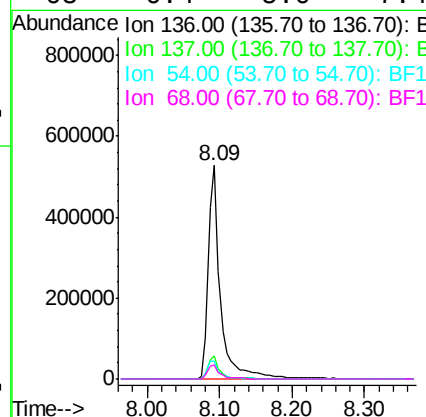
RT: 8.09 min Scan# 1021

Delta R.T. 0.00 min

Lab File: BF101535.D

Acq: 19 Dec 2017 21:03

Tgt Ion	136	Resp	622683
Ion Ratio	Lower	Upper	
136	100		
137	10.7	8.9	13.3
54	8.6	6.6	9.8
68	6.4	5.0	7.4





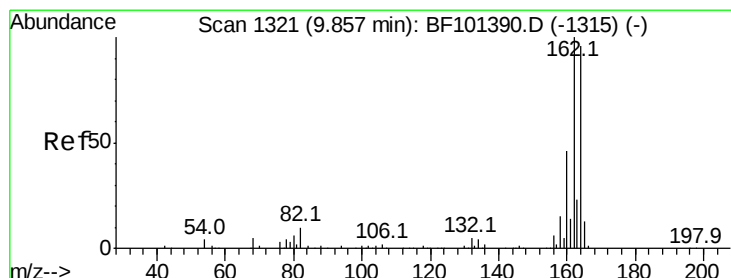
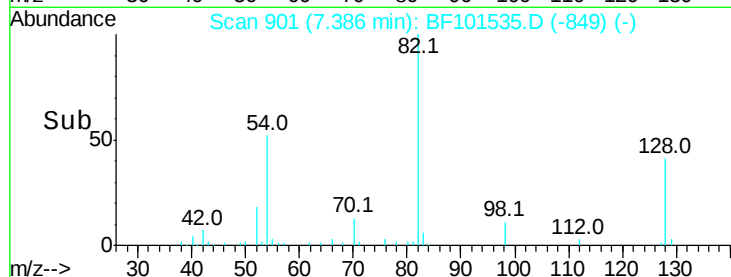
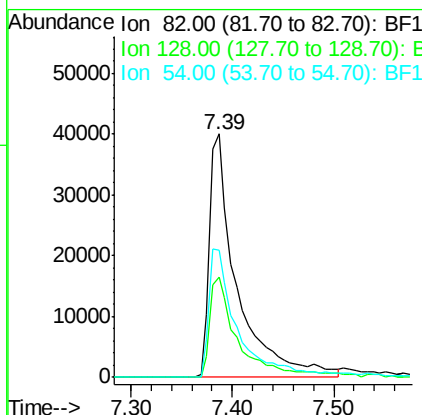
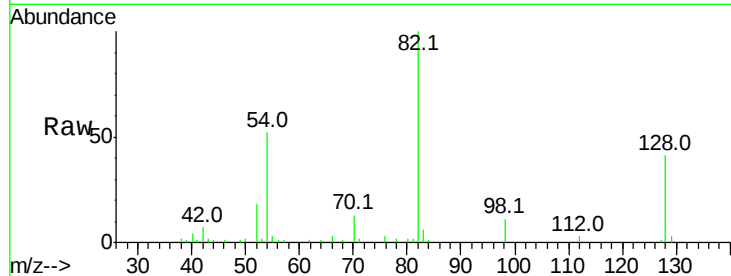
#23
Nitrobenzene-d5
Concen: 6.726 ng
RT: 7.39 min Scan# 901
Delta R.T. 0.01 min
Lab File: BF101535.D
Acq: 19 Dec 2017 21:03

Instrument :
BNA_F
ClientSampleId :
PHMHA-WCS

Tot Ion	Ratio	Lower	Upper
82	100		
128	41.1	36.1	54.1
54	52.1	41.4	62.2

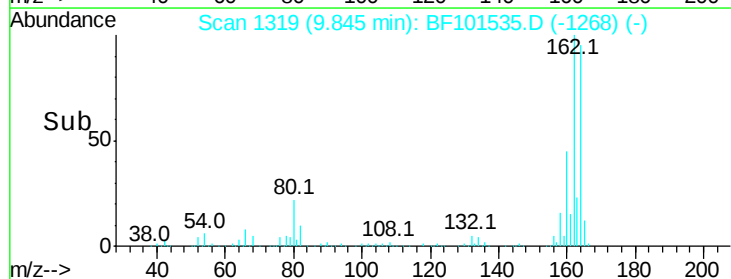
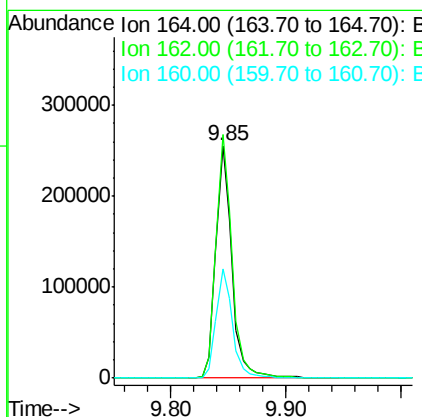
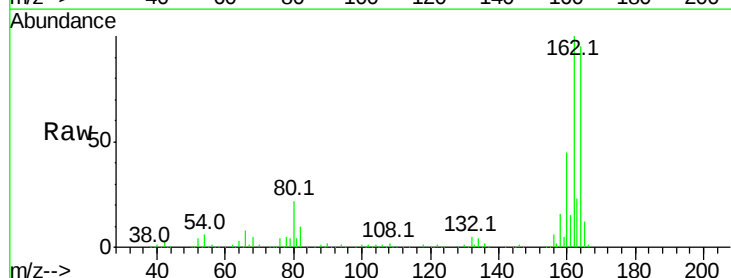
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#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.85 min Scan# 1319
Delta R.T. 0.00 min
Lab File: BF101535.D
Acq: 19 Dec 2017 21:03

Tgt Ion	Ratio	Lower	Upper
164	100		
162	104.8	86.1	129.1
160	47.1	38.3	57.5





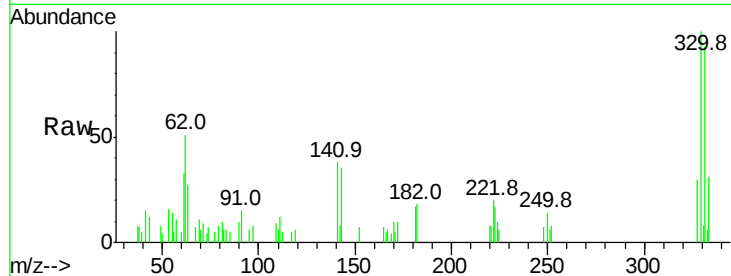
#41
 2,4,6-Tribromophenol
 Concen: 3.972 ng
 RT: 10.65 min Scan# 1456
 Delta R.T. 0.01 min
 Lab File: BF101535.D
 Acq: 19 Dec 2017 21:03

Instrument :
 BNA_F
 ClientSampleId :
 PHMHA-WCS

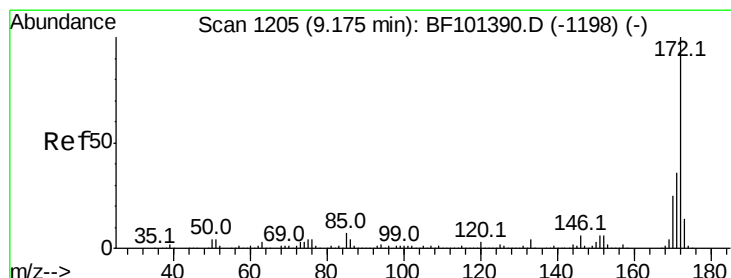
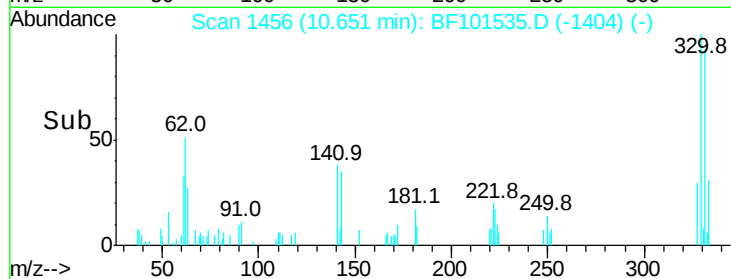
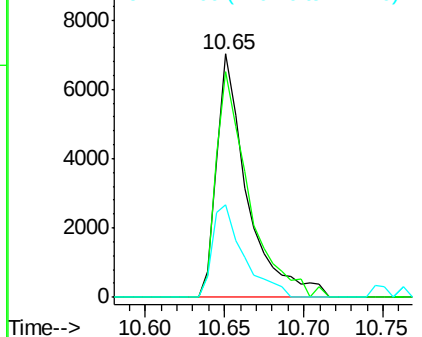
Tot Ion	Ratio	Lower	Upper
330	100		
332	98.8	77.0	115.6
141	38.9	29.9	44.9

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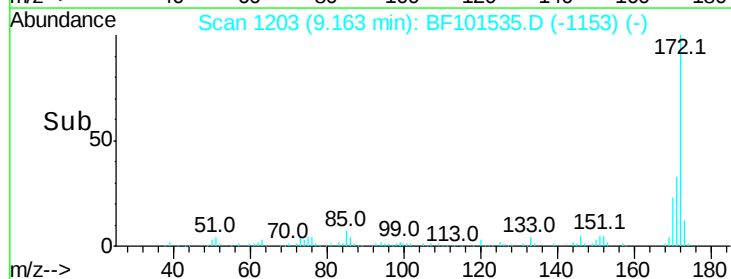
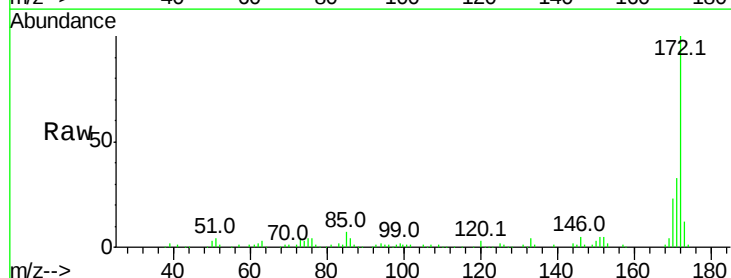
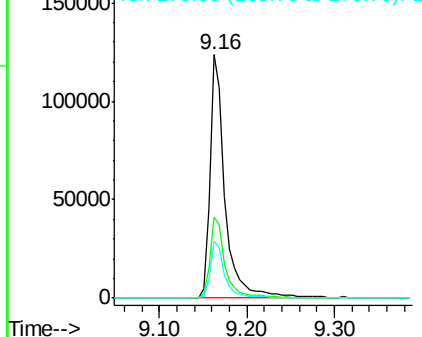
Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

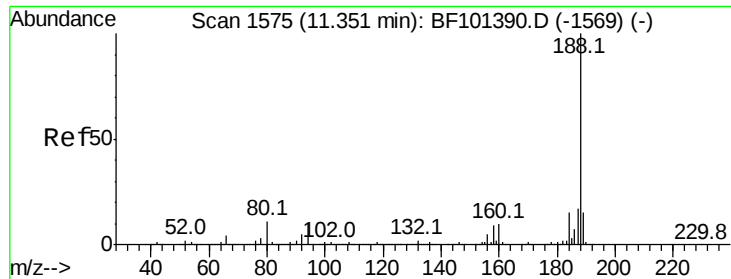


#44
 2-Fluorobiphenyl
 Concen: 9.276 ng
 RT: 9.16 min Scan# 1203
 Delta R.T. -0.01 min
 Lab File: BF101535.D
 Acq: 19 Dec 2017 21:03

Tgt Ion	Ratio	Lower	Upper
172	100		
171	33.5	29.7	44.5
170	23.2	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





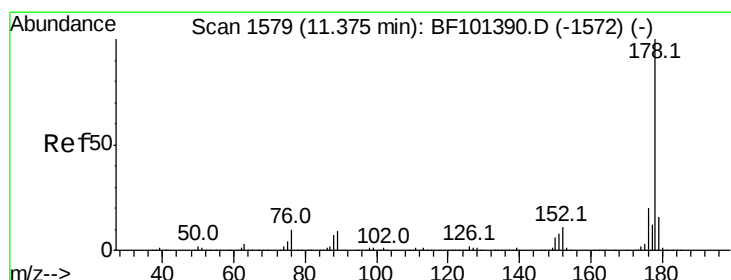
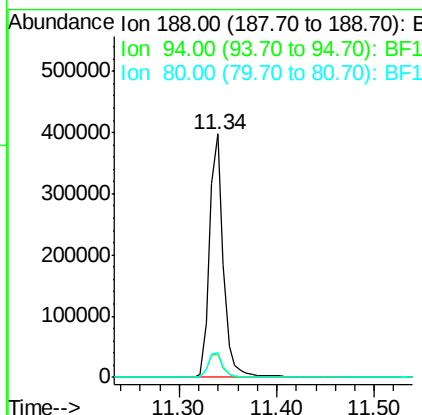
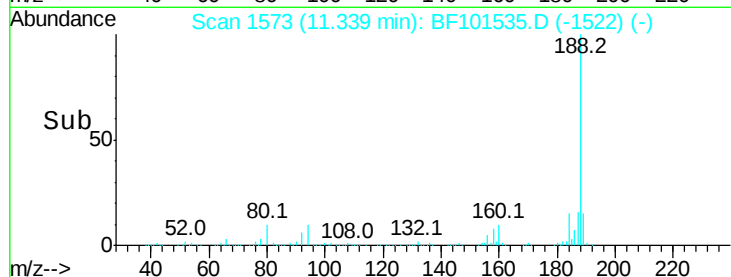
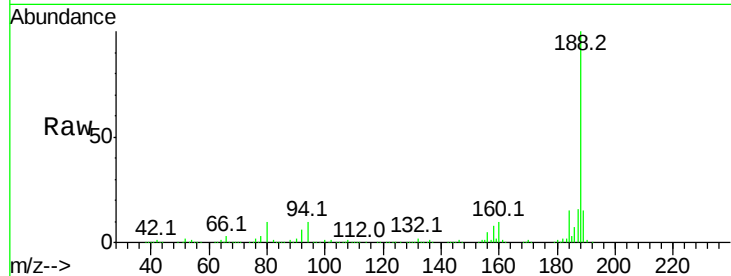
#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.34 min Scan# 1573
Delta R.T. 0.00 min
Lab File: BF101535.D
Acq: 19 Dec 2017 21:03

Instrument :
BNA_F
ClientSampleId :
PHMHA-WCS

Tot Ion	Ratio	Resp	Lower	Upper
188	100			
94	9.9	8.5	12.7	
80	10.1	9.2	13.8	

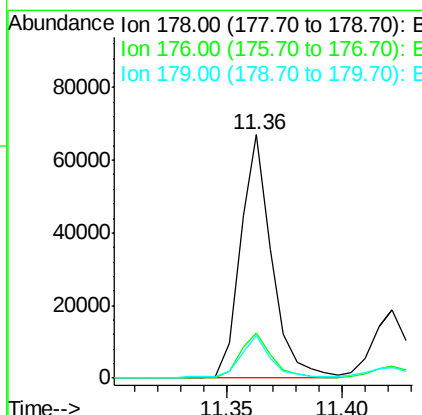
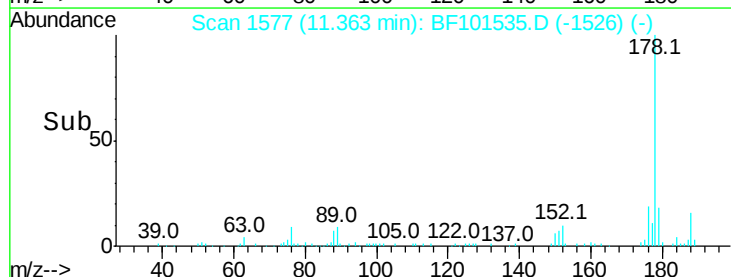
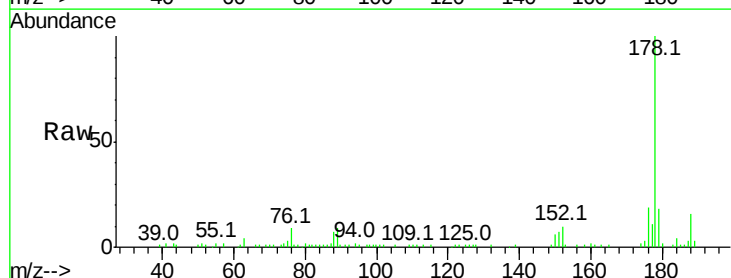
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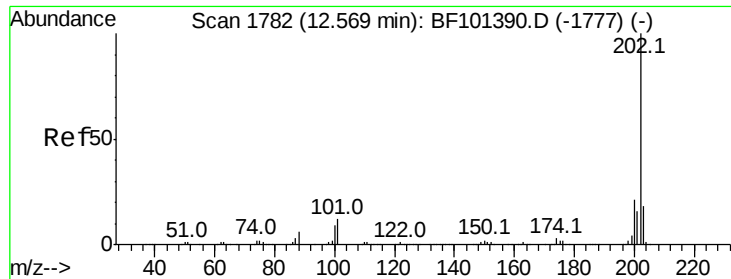
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#70
Phenanthrene
Concen: 2.908 ng
RT: 11.36 min Scan# 1577
Delta R.T. 0.00 min
Lab File: BF101535.D
Acq: 19 Dec 2017 21:03

Tgt Ion	Ratio	Resp	Lower	Upper
178	100			
176	18.7	15.8	23.8	
179	17.5	13.0	19.6	





#74

Fluoranthene

Concen: 5.792 ng

RT: 12.56 min Scan# 1780

Delta R.T. 0.00 min

Lab File: BF101535.D

Acq: 19 Dec 2017 21:03

Instrument :

BNA_F

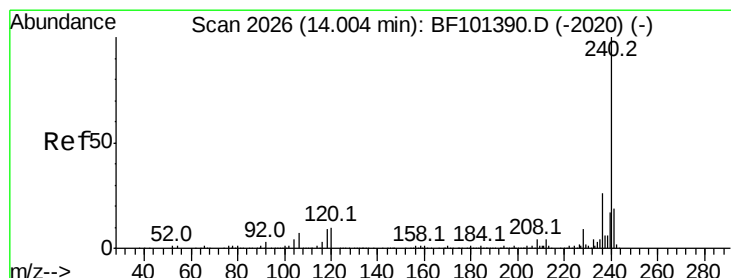
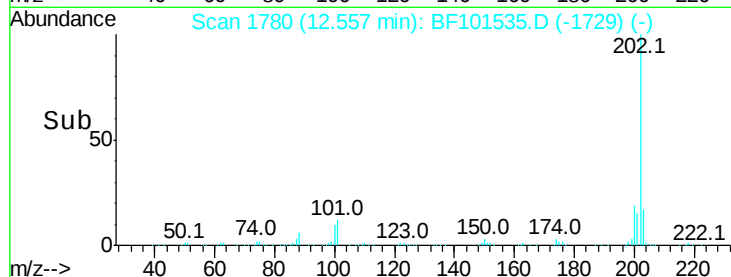
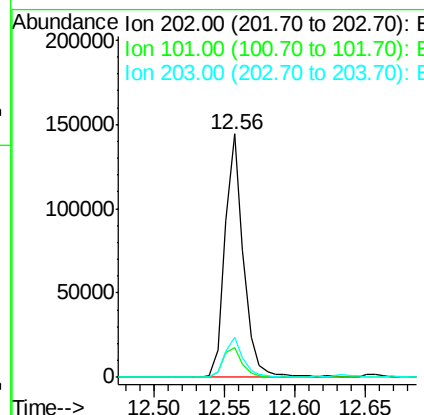
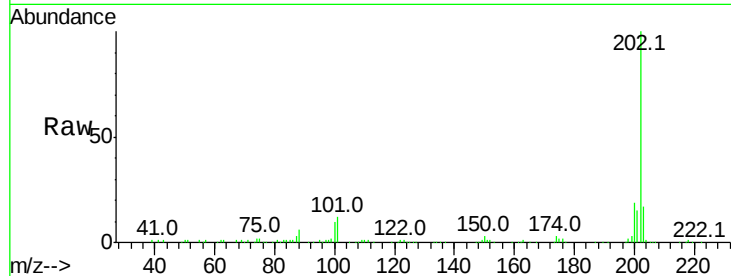
ClientSampleId :

PHMHA-WCS

Tot Ion	Ratio	Resp	Lower	Upper
202	100			
101	12.2	0.0	34.1	
203	16.7	0.0	38.1	

Manual Integrations
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#75

Chrysene-d12

Concen: 20.000 ng

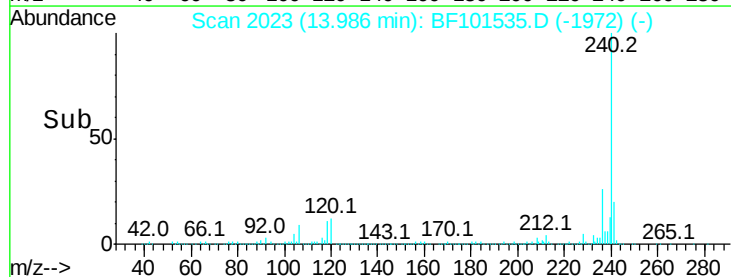
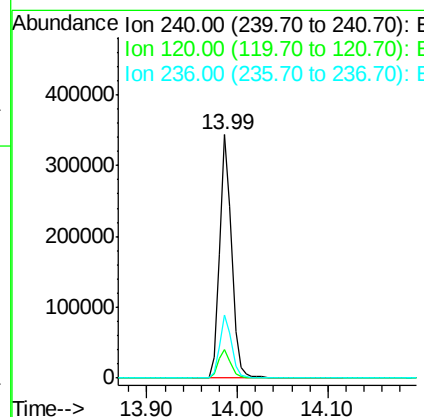
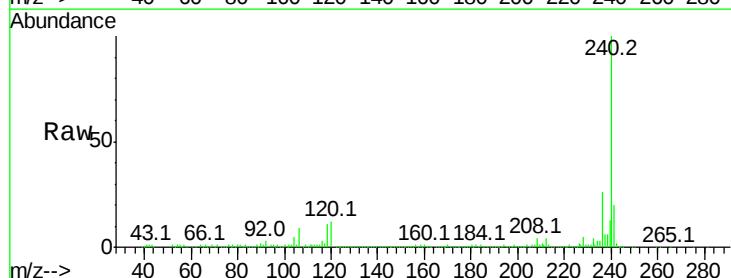
RT: 13.99 min Scan# 2023

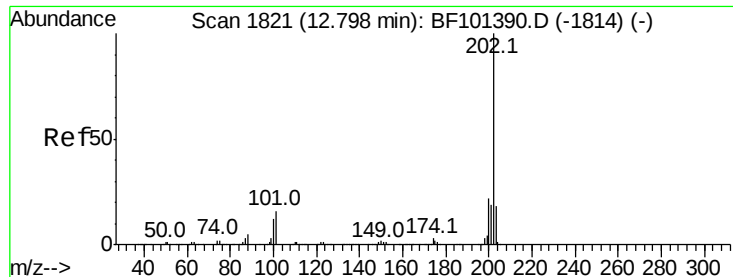
Delta R.T. 0.00 min

Lab File: BF101535.D

Acq: 19 Dec 2017 21:03

Tgt Ion	Ratio	Resp	Lower	Upper
240	100			
120	11.8	9.5	14.3	
236	25.7	20.7	31.1	





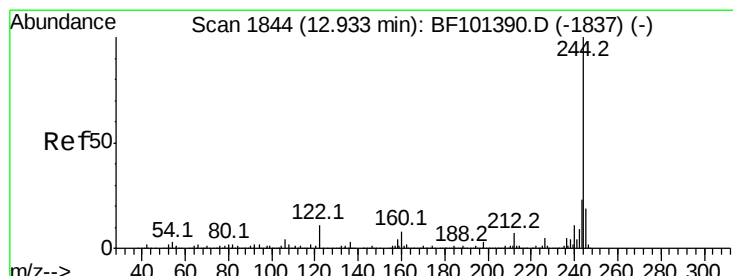
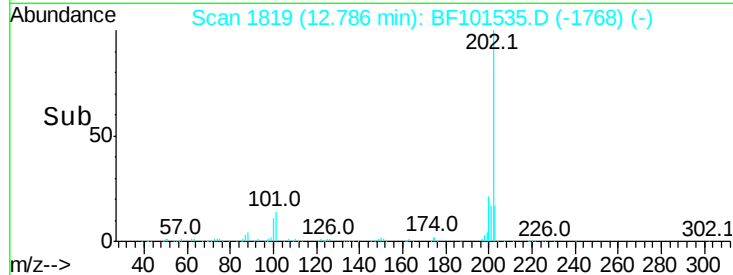
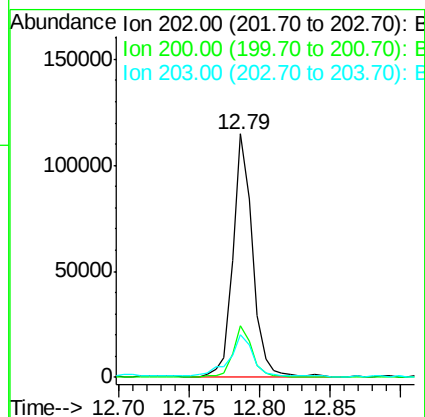
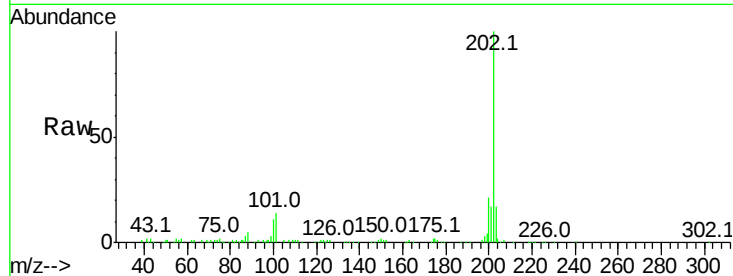
#77
Pvrene
Concen: 4.745 ng
RT: 12.79 min Scan# 1819
Delta R.T. 0.00 min
Lab File: BF101535.D
Acq: 19 Dec 2017 21:03

Instrument :
BNA_F
ClientSampleId :
PHMHA-WCS

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

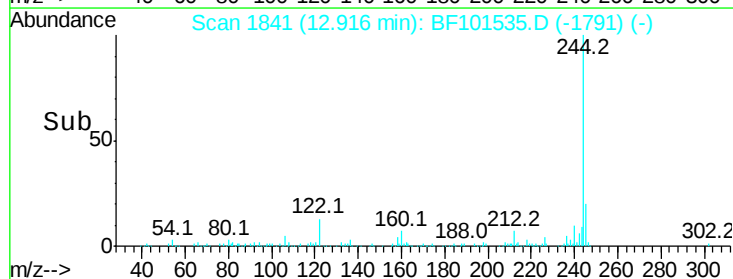
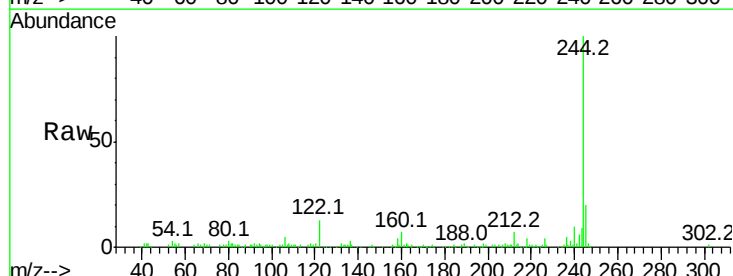
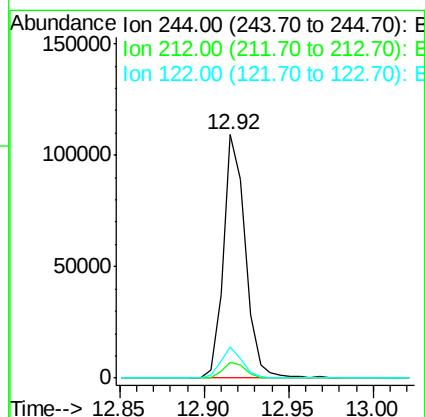
Manual Integrations
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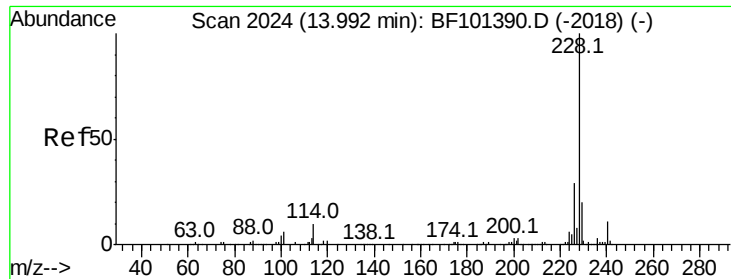
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#78
Terphenyl-d14
Concen: 7.577 ng
RT: 12.92 min Scan# 1841
Delta R.T. -0.01 min
Lab File: BF101535.D
Acq: 19 Dec 2017 21:03

Tgt Ion	Ratio	Lower	Upper
244	100		
212	6.7	5.4	8.0
122	12.6	11.0	16.4





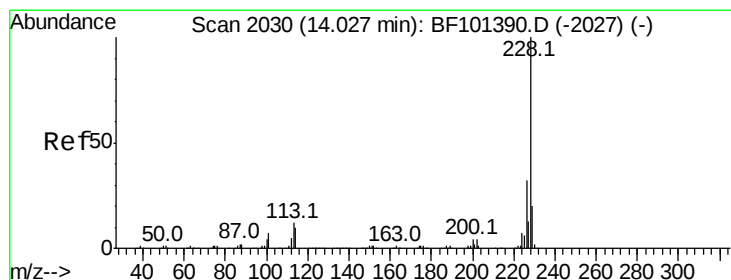
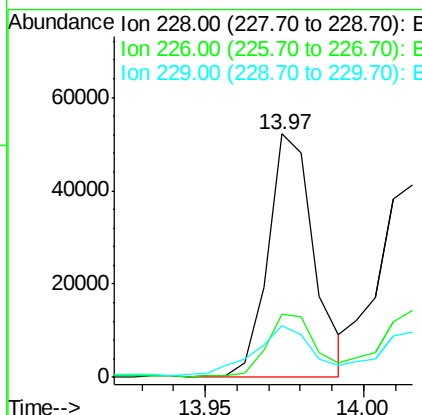
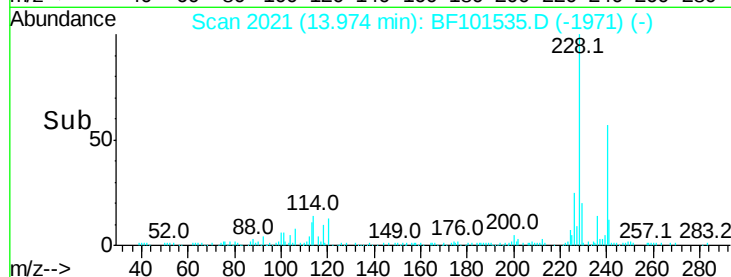
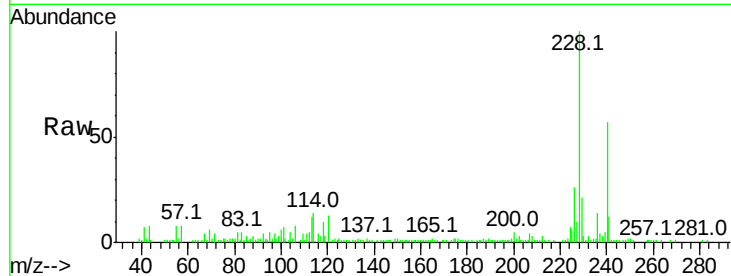
#80
Benzo(a)anthracene
Concen: 2.550 ng
RT: 13.97 min Scan# 2021
Delta R.T. -0.01 min
Lab File: BF101535.D
Acq: 19 Dec 2017 21:03

Instrument :
BNA_F
ClientSampleId :
PHMHA-WCS

Tot Ion	Ratio	Lower	Upper
228	100		
226	26.2	22.6	33.8
229	21.4	15.8	23.6

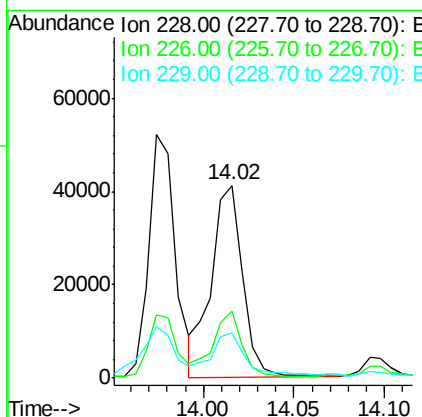
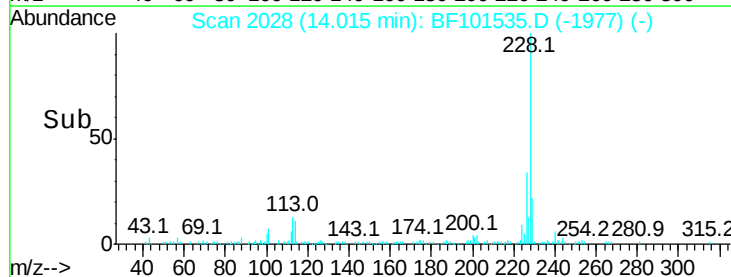
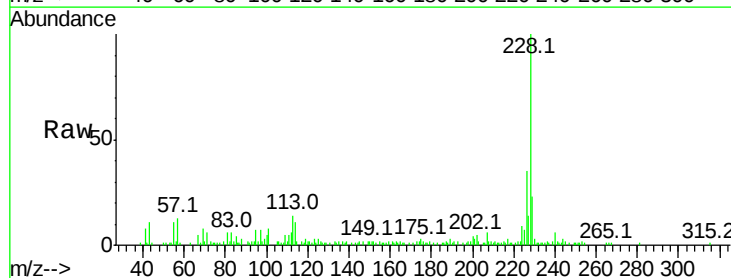
Manual Integrations
APPROVED

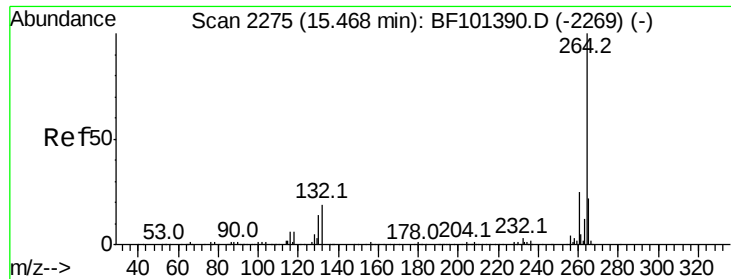
Sohil
12/20/2017 3:48:02 PM



#82
Chrysene
Concen: 2.520 ng
RT: 14.02 min Scan# 2028
Delta R.T. 0.00 min
Lab File: BF101535.D
Acq: 19 Dec 2017 21:03

Tgt Ion	Ratio	Lower	Upper
228	100		
226	34.7	25.0	37.6
229	23.5	16.2	24.4





#86

Pervlene-d12

Concen: 20.000 ng

RT: 15.46 min Scan# 2274

Delta R.T. 0.01 min

Lab File: BF101535.D

Acq: 19 Dec 2017 21:03

Instrument :

BNA_F

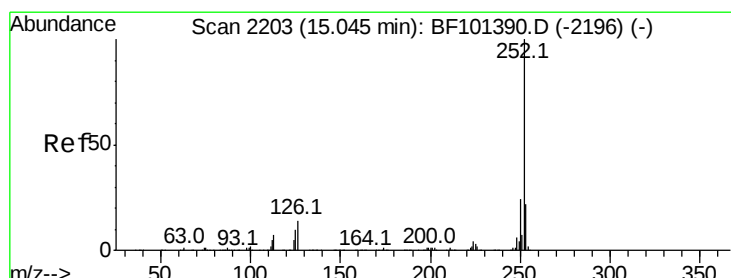
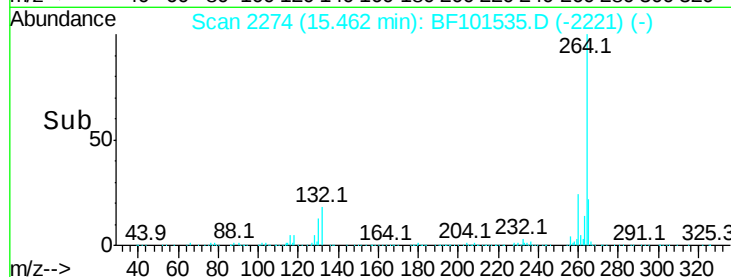
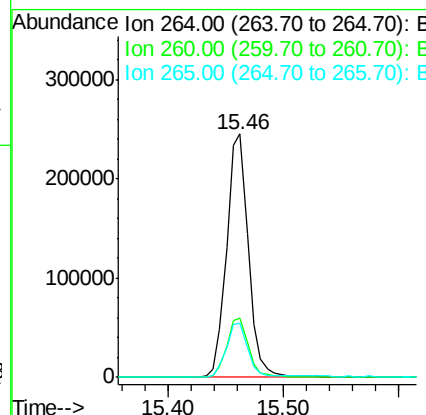
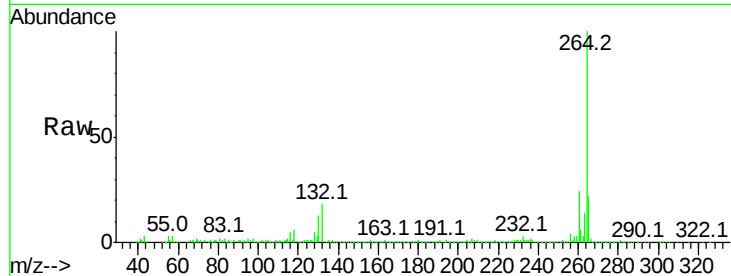
ClientSampleId :

PHMHA-WCS

Tot Ion:	264	Resp:	319504
Ion Ratio	Lower	Upper	
264	100		
260	24.3	19.2	28.8
265	22.3	17.5	26.3

Manual Integrations
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Sohil
12/20/2017 3:48:02 PM



#87

Benzo(b)fluoranthene

Concen: 3.044 ng m

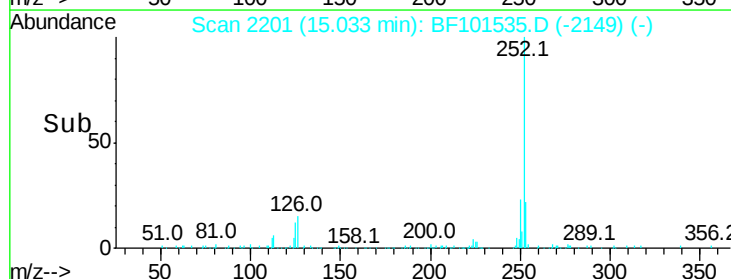
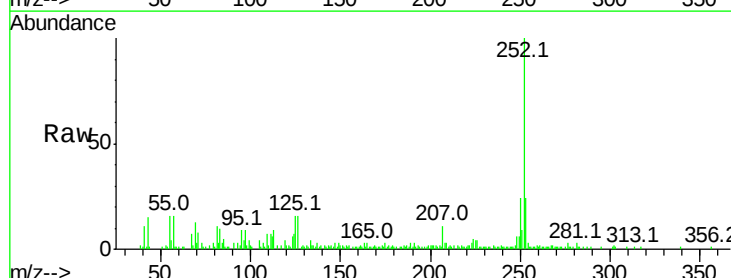
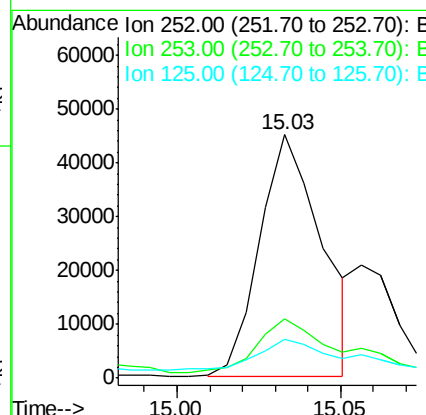
RT: 15.03 min Scan# 2201

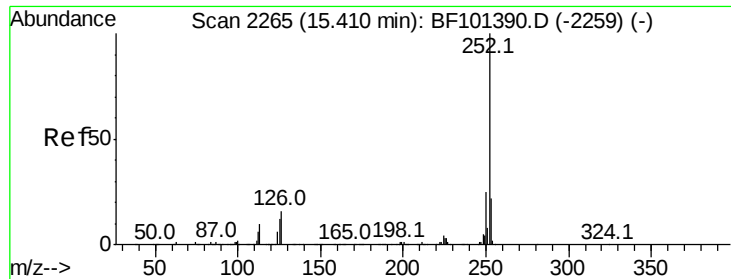
Delta R.T. 0.01 min

Lab File: BF101535.D

Acq: 19 Dec 2017 21:03

Tgt Ion:	252	Resp:	59276
Ion Ratio	Lower	Upper	
252	100		
253	24.5	17.0	25.6
125	15.9	9.0	13.6#





#89

Benzo(a)pyrene

Concen: 2.198 ng

RT: 15.40 min Scan# 2264

Delta R.T. 0.01 min

Lab File: BF101535.D

Acq: 19 Dec 2017 21:03

Instrument :

BNA_F

ClientSampleId :

PHMHA-WCS

Tot Ion	Ratio	Lower	Upper
252	100		
253	26.1	17.1	25.7#
125	16.3	9.8	14.6#

Manual Integrations
APPROVED

Sohil
12/20/2017 3:48:02 PM

