

Data Path : \\74.0.250.170\SV0ASRV\HPCHEM1\BNA F\DATA\BF121917\
 Data File : BF101524.D
 Acq On : 19 Dec 2017 16:05
 Operator : SJ/JU
 Sample : I6908-09
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 5

Manual Integrations
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 12/20/2017 3:47:48 PM

Quant Time: Dec 19 16:59:59 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	6.81	152	126074	20.00	ng	0.00
21) Naphthalene-d8	8.09	136	508614	20.00	ng	0.00
38) Acenaphthene-d10	9.85	164	220479	20.00	ng	0.00
63) Phenanthrene-d10	11.34	188	375368	20.00	ng	0.00
75) Chrysene-d12	13.99	240	225771	20.00	ng	0.00
86) Perylene-d12	15.46	264	270191	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.43	112	855532	101.08	ng	0.01
7) Phenol-d6	6.45	99	1029129	97.70	ng	0.00
23) Nitrobenzene-d5	7.37	82	653527	71.53	ng	0.00
41) 2,4,6-Tribromophenol	10.65	330	209461	98.59	ng	0.00
44) 2-Fluorobiphenyl	9.16	172	1076848	75.76	ng	0.00
78) Terphenyl-d14	12.92	244	800946	85.52	ng	0.00
Target Compounds						
10) Phenol	6.46	94	47423	3.950	ng	81
49) Dimethylphthalate	9.56	163	52837	2.979	ng	100
70) Phenanthrene	11.36	178	106686	5.111	ng	97
74) Fluoranthene	12.56	202	167276	7.634	ng	96
77) Pyrene	12.79	202	120611	7.118	ng	98
80) Benzo(a)anthracene	13.97	228	61660	4.136	ng	98
82) Chrysene	14.02	228	68144	4.841	ng	97
85) Indeno(1,2,3-cd)pyrene	16.94	276	39272	3.133	ng	96
87) Benzo(b)fluoranthene	15.03	252	83173m	5.050	ng	
89) Benzo(a)pyrene	15.40	252	52161	3.436	ng	98
91) Benzo(g,h,i)perylene	17.40	276	36207m	2.805	ng	

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

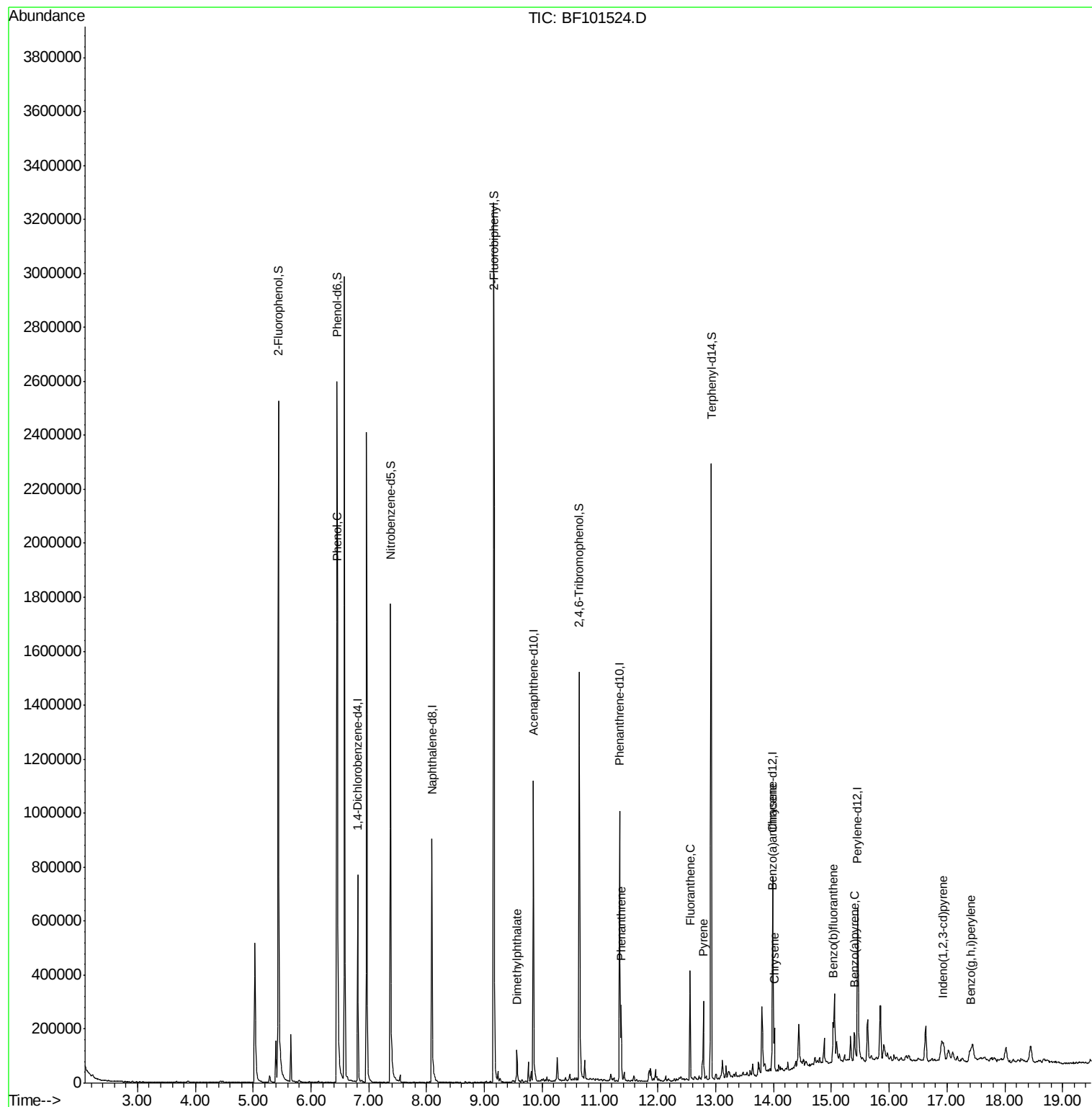
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Data File : BF101524.D
Acq On : 19 Dec 2017 16:05
Operator : SJ/JU
Sample : I6908-09
Misc :
ALS Vial : 9 Sample Multiplier: 1

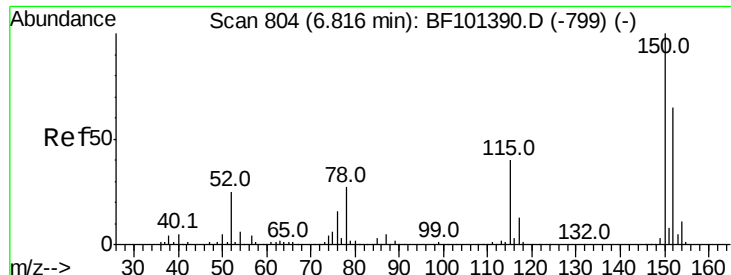
Instrument :
BNA_F
ClientSampleId :
5

Manual Integrations
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Quant Time: Dec 19 16:59:59 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





#1

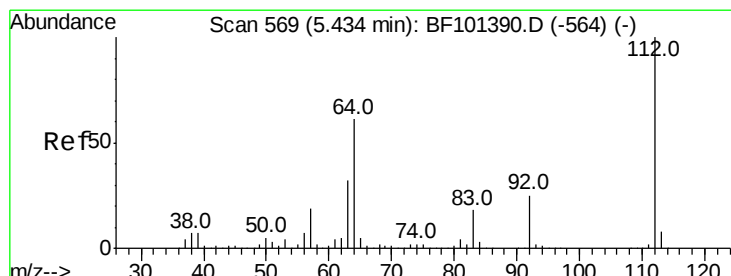
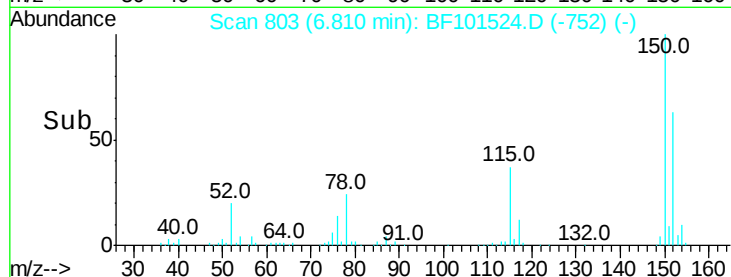
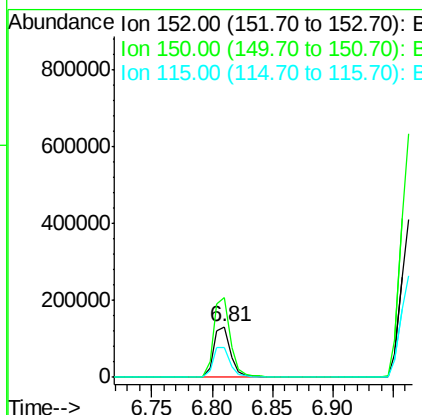
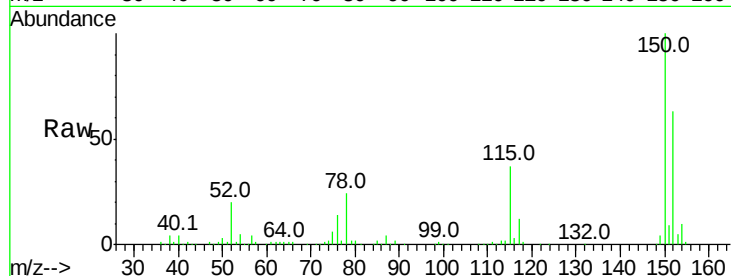
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.81 min Scan# 803
Delta R.T. 0.00 min
Lab File: BF101524.D
Acq: 19 Dec 2017 16:05

Instrument :
BNA_F
ClientSampled :
5

Tot Ion	Ratio	Lower	Upper
152	100		
150	158.1	124.6	186.8
115	58.3	50.1	75.1

Manual Integrations
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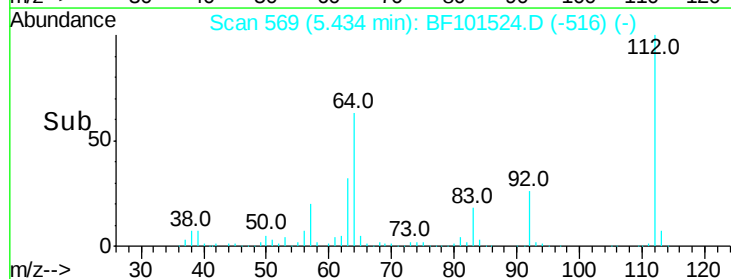
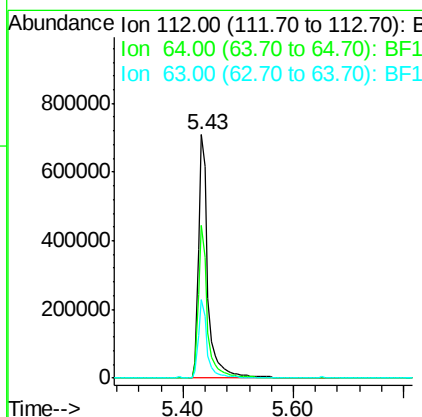
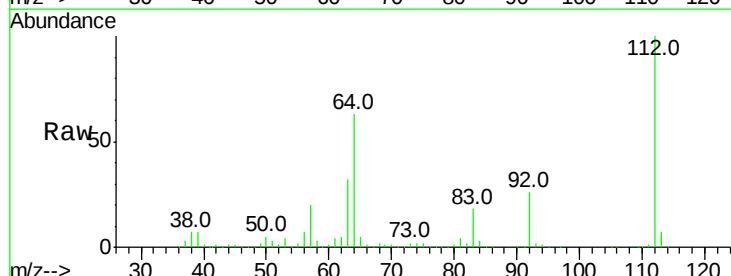
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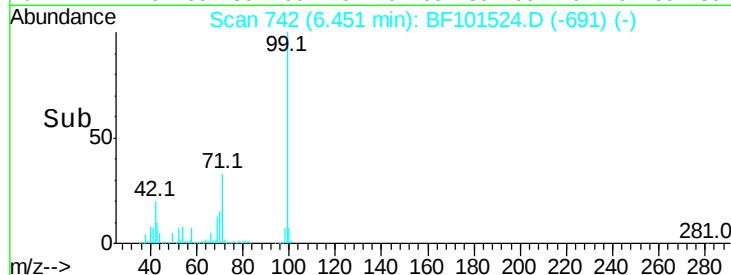
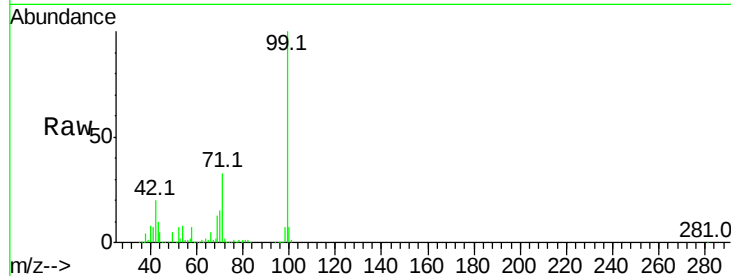
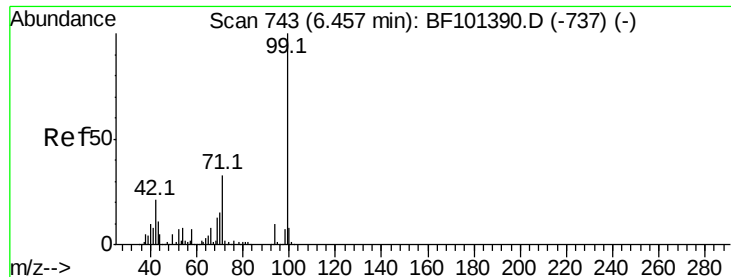


#5

2-Fluorophenol
Concen: 101.082 ng
RT: 5.43 min Scan# 569
Delta R.T. 0.01 min
Lab File: BF101524.D
Acq: 19 Dec 2017 16:05

Tgt Ion	Ratio	Lower	Upper
112	100		
64	62.8	47.9	71.9
63	32.3	23.7	35.5





#7

Phenol-d6

Concen: 97.701 ng

RT: 6.45 min Scan# 742

Delta R.T. 0.00 min

Lab File: BF101524.D

Acq: 19 Dec 2017 16:05

Tot Ion: 99 Resp: 1029129

Ion Ratio Lower Upper

99 100

42 20.0 14.5 21.7

71 32.9 25.4 38.0

Instrument :

BNA_F

ClientSampled :

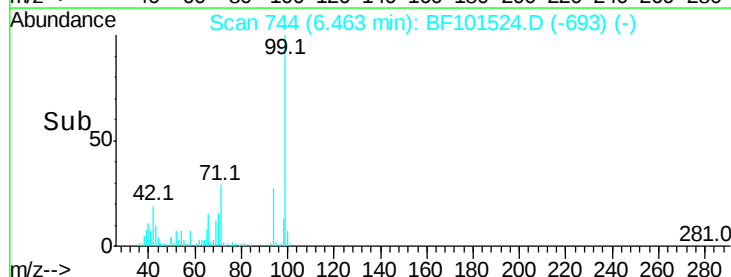
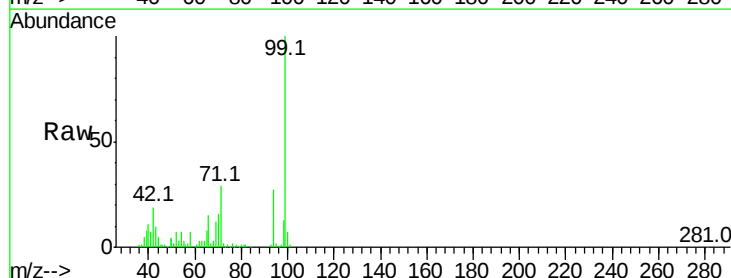
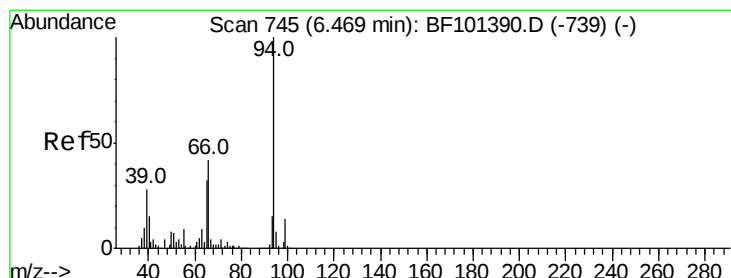
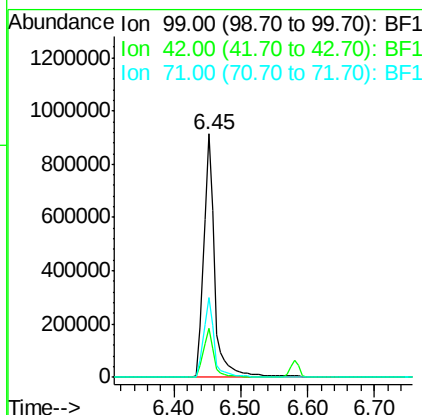
5

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#10

Phenol

Concen: 3.950 ng

RT: 6.46 min Scan# 744

Delta R.T. 0.00 min

Lab File: BF101524.D

Acq: 19 Dec 2017 16:05

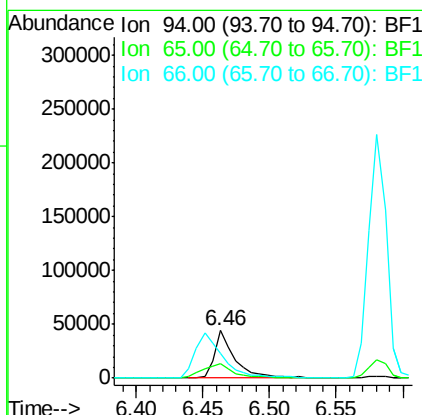
Tgt Ion: 94 Resp: 47423

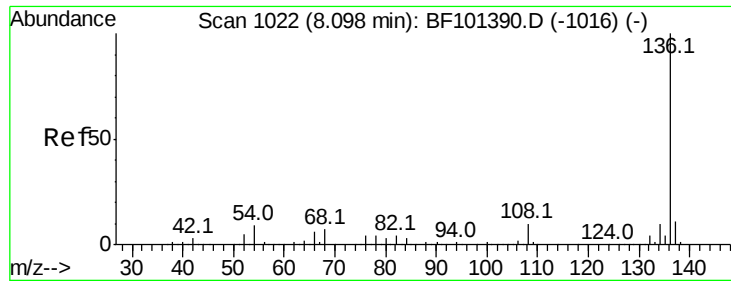
Ion Ratio Lower Upper

94 100

65 30.9 7.9 47.9

66 53.5 16.2 56.2





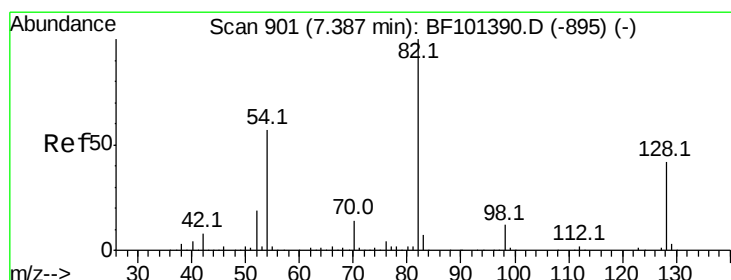
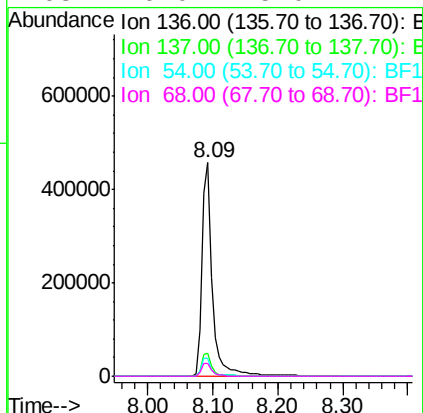
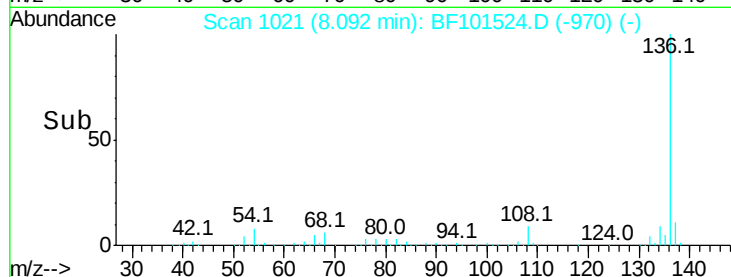
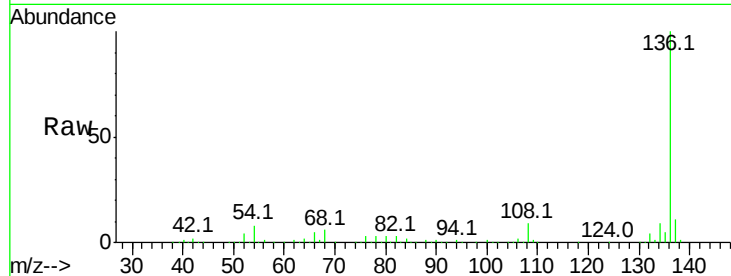
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.09 min Scan# 1021
Delta R.T. 0.00 min
Lab File: BF101524.D
Acq: 19 Dec 2017 16:05

Instrument :
BNA_F
ClientSampleId :
5

Tot Ion	Ratio	Resp	Lower	Upper
136	100			
137	10.9	8.9	13.3	
54	8.2	6.6	9.8	
68	6.0	5.0	7.4	

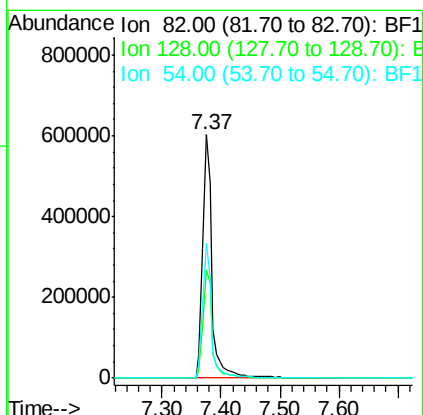
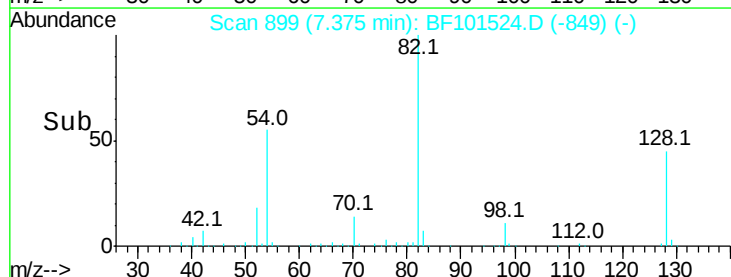
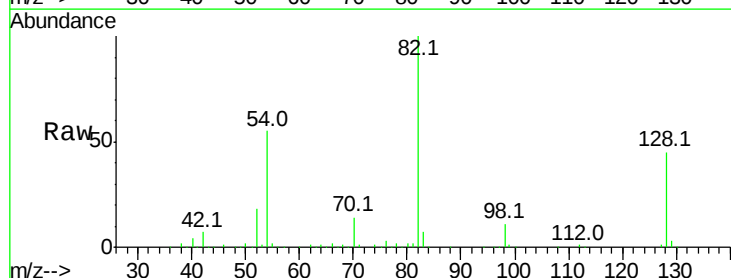
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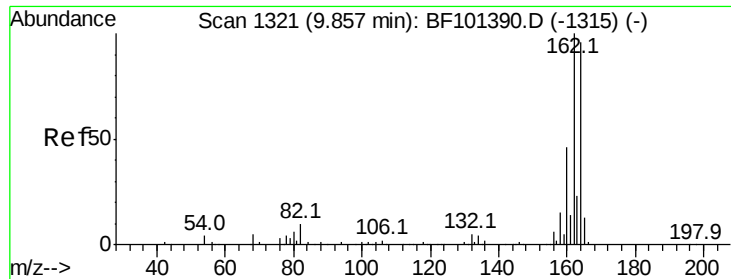
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#23
Nitrobenzene-d5
Concen: 71.526 ng
RT: 7.37 min Scan# 899
Delta R.T. -0.01 min
Lab File: BF101524.D
Acq: 19 Dec 2017 16:05

Tgt Ion	Ratio	Resp	Lower	Upper
82	100			
128	44.6	36.1	54.1	
54	55.1	41.4	62.2	





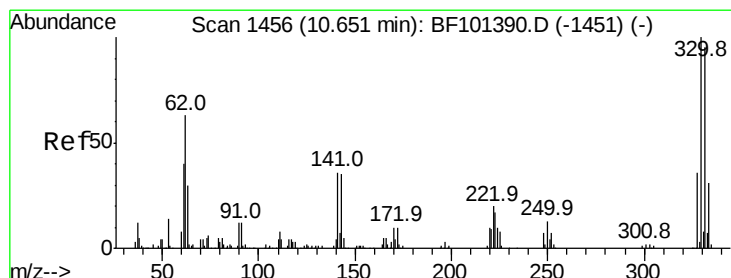
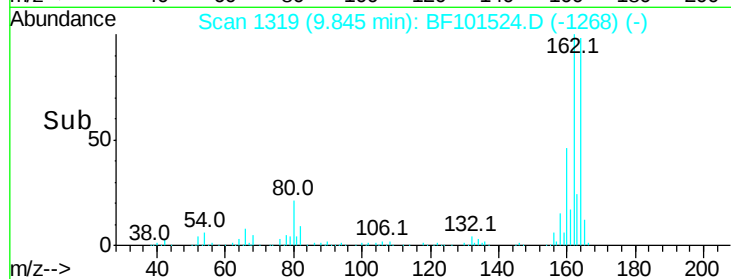
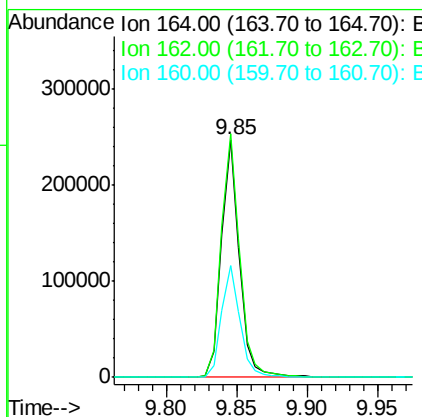
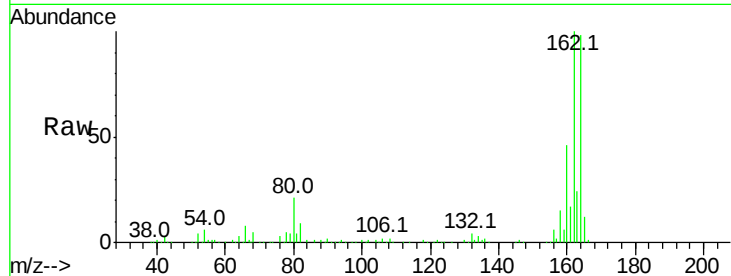
#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.85 min Scan# 1319
Delta R.T. 0.00 min
Lab File: BF101524.D
Acq: 19 Dec 2017 16:05

Instrument :
BNA_F
ClientSampleId :
5

Tot Ion	Ratio	Resp	Lower	Upper
164	100	220479		
162	102.5		86.1	129.1
160	46.9		38.3	57.5

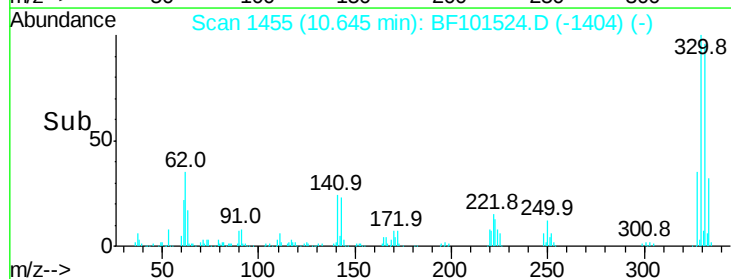
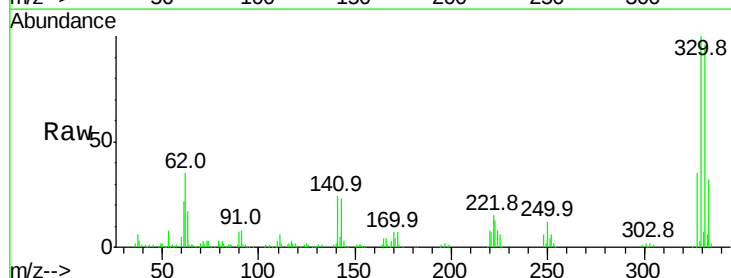
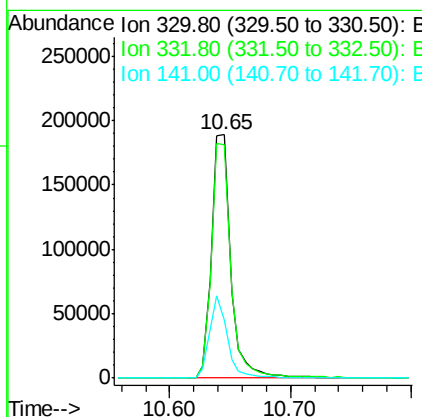
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#41
2,4,6-Tribromophenol
Concen: 98.594 ng
RT: 10.65 min Scan# 1455
Delta R.T. 0.00 min
Lab File: BF101524.D
Acq: 19 Dec 2017 16:05

Tgt Ion	Ratio	Resp	Lower	Upper
330	100	209461		
332	97.7		77.0	115.6
141	31.4		29.9	44.9





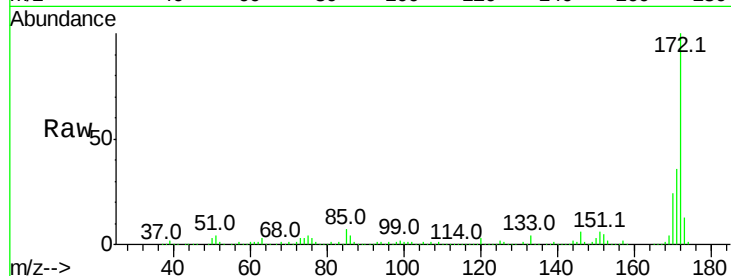
#44
2-Fluorobiphenyl
Concen: 75.765 ng
RT: 9.16 min Scan# 1203
Delta R.T. -0.01 min
Lab File: BF101524.D
Acq: 19 Dec 2017 16:05

Instrument :
BNA_F
ClientSampled :
5

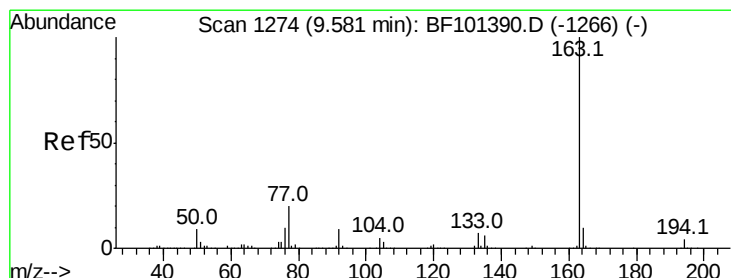
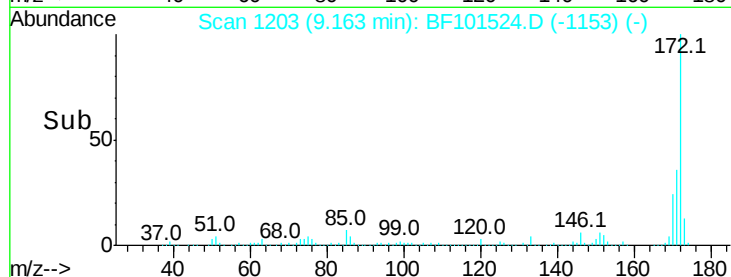
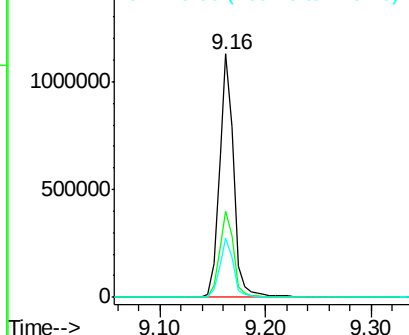
Tot Ion	Ratio	Lower	Upper
172	100		
171	35.7	29.7	44.5
170	24.1	19.6	29.4

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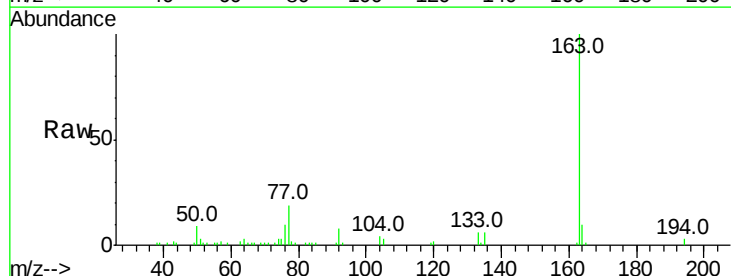


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

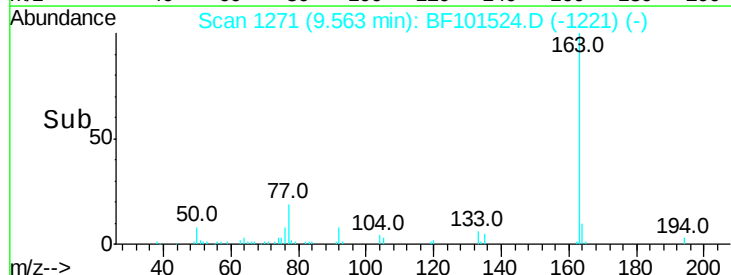
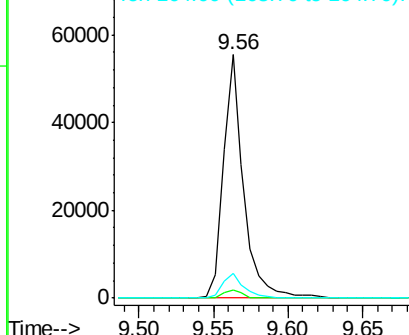


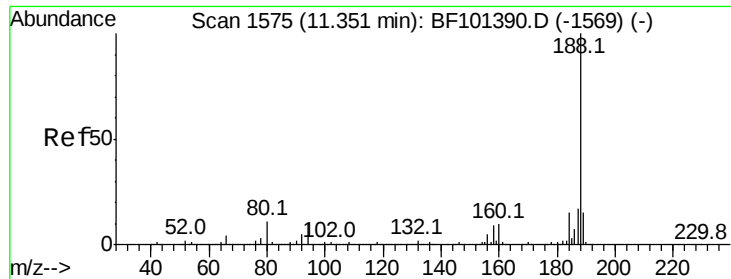
#49
Dimethylphthalate
Concen: 2.979 ng
RT: 9.56 min Scan# 1271
Delta R.T. -0.01 min
Lab File: BF101524.D
Acq: 19 Dec 2017 16:05

Tgt Ion	Ratio	Lower	Upper
163	100		
194	3.4	2.7	4.1
164	10.1	8.2	12.2



Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E





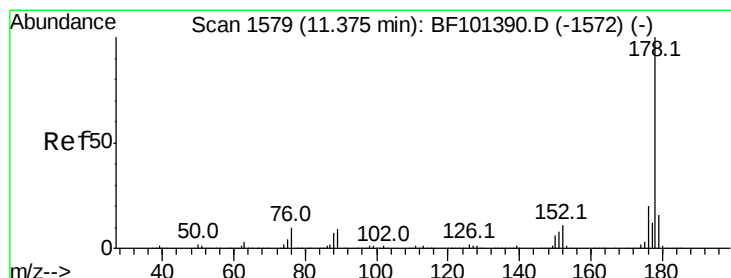
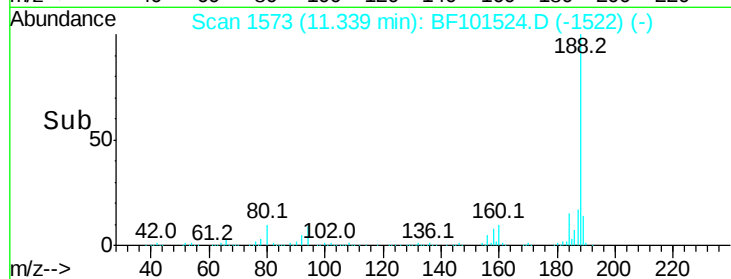
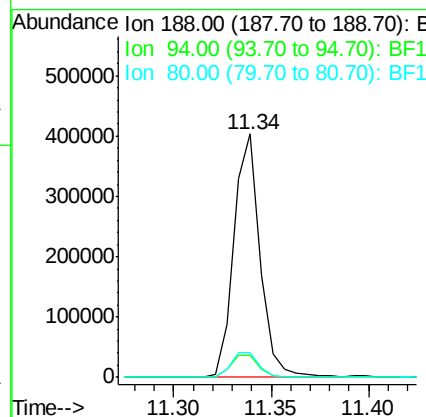
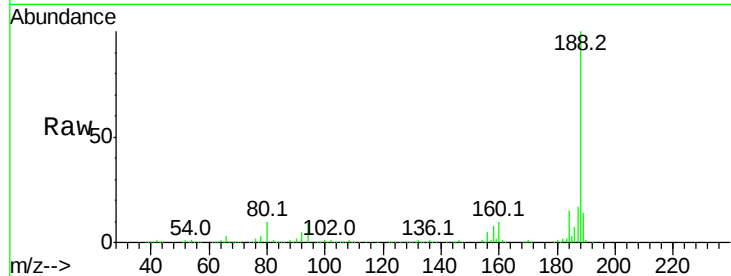
#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.34 min Scan# 1573
Delta R.T. 0.00 min
Lab File: BF101524.D
Acq: 19 Dec 2017 16:05

Instrument :
BNA_F
ClientSampled :
5

Tot Ion	Ratio	Resp	Lower	Upper
188	100			
94	9.3	8.5	12.7	
80	10.0	9.2	13.8	

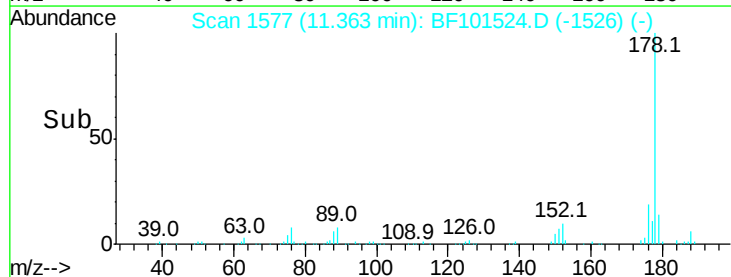
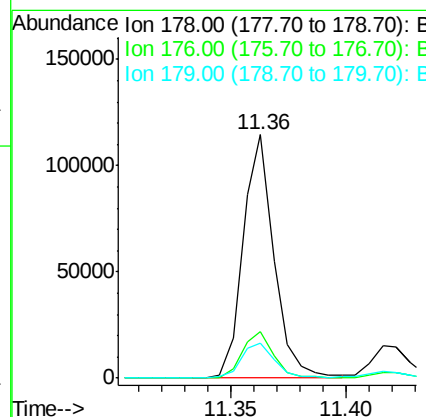
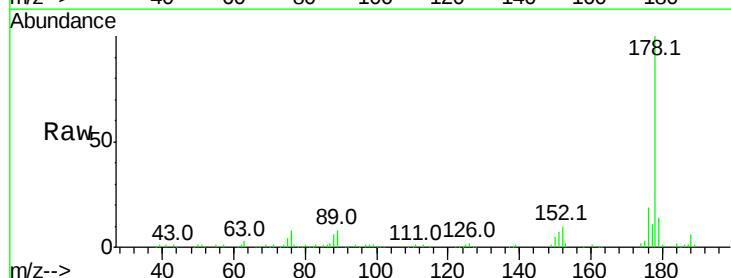
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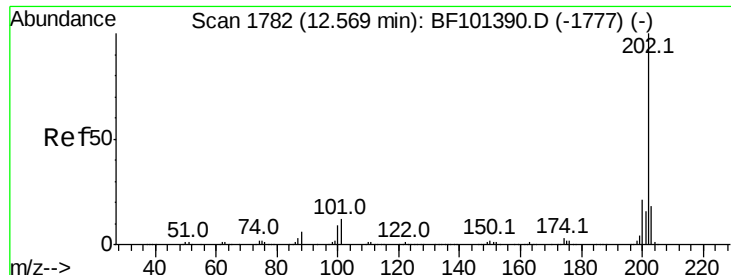
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#70
Phenanthrene
Concen: 5.111 ng
RT: 11.36 min Scan# 1577
Delta R.T. 0.00 min
Lab File: BF101524.D
Acq: 19 Dec 2017 16:05

Tgt Ion	Ratio	Resp	Lower	Upper
178	100			
176	19.2	15.8	23.8	
179	14.4	13.0	19.6	





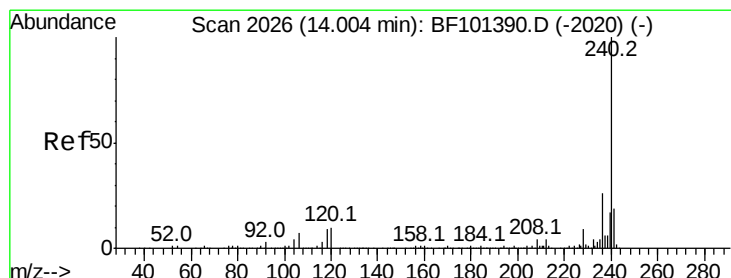
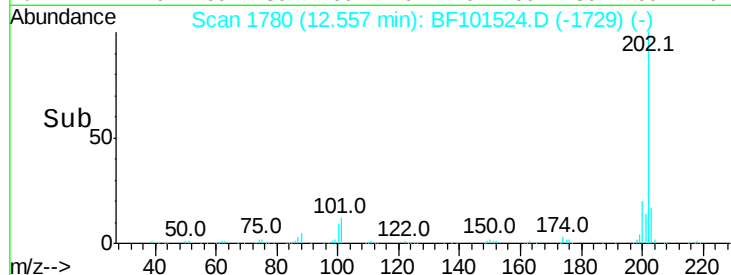
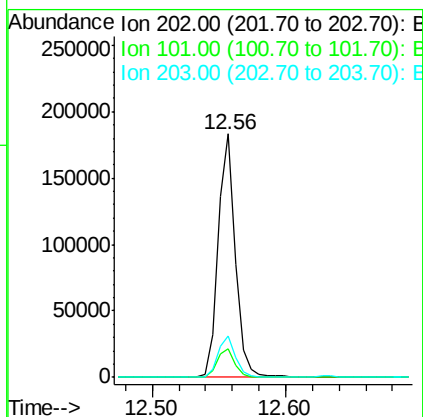
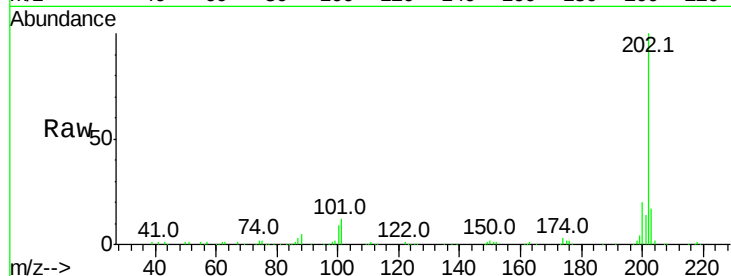
#74
Fluoranthene
Concen: 7.634 ng
RT: 12.56 min Scan# 1780
Delta R.T. 0.00 min
Lab File: BF101524.D
Acq: 19 Dec 2017 16:05

Instrument :
BNA_F
ClientSampled :
5

Tot Ion	Ratio	Resp Lower	Upper
202	100		
101	11.7	0.0	34.1
203	16.8	0.0	38.1

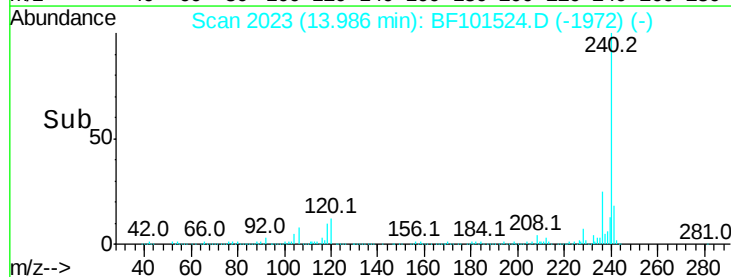
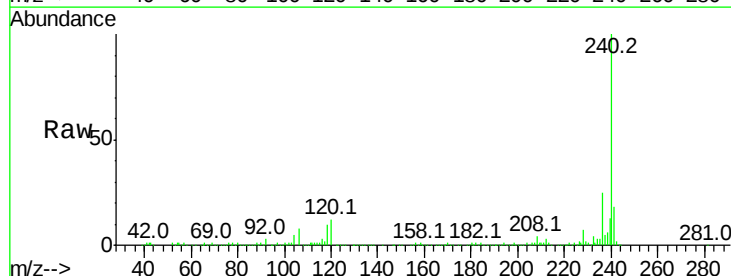
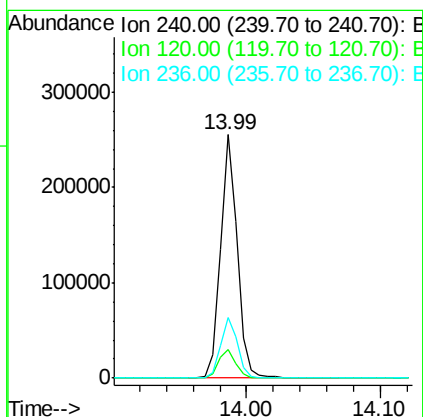
Manual Integrations
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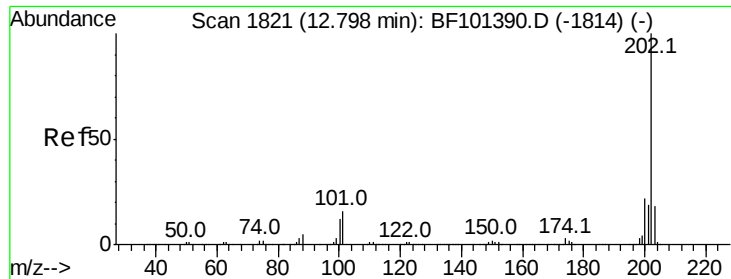
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#75
Chrysene-d12
Concen: 20.000 ng
RT: 13.99 min Scan# 2023
Delta R.T. 0.00 min
Lab File: BF101524.D
Acq: 19 Dec 2017 16:05

Tgt Ion	Ratio	Resp Lower	Upper
240	100		
120	11.6	9.5	14.3
236	25.1	20.7	31.1





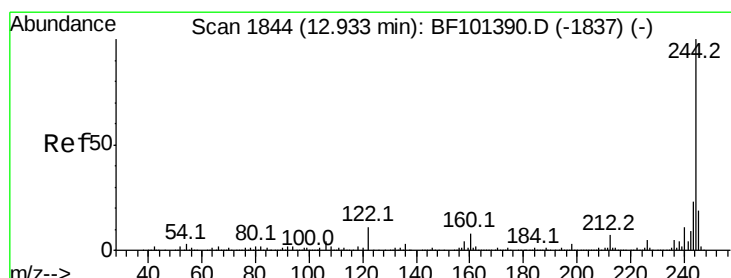
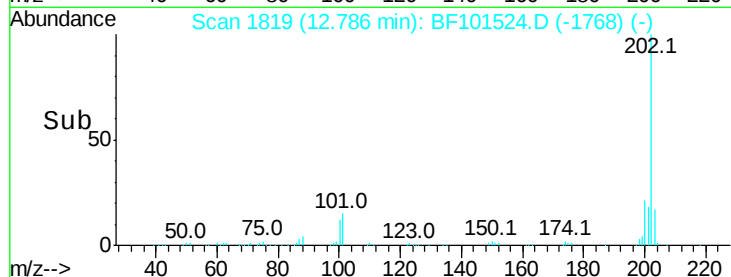
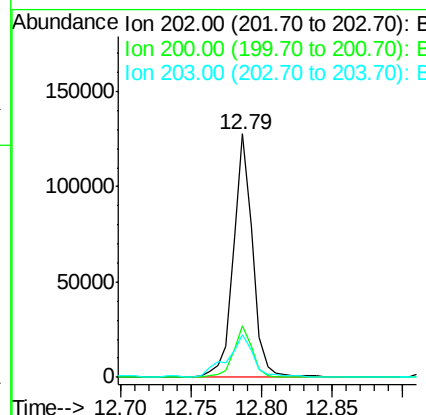
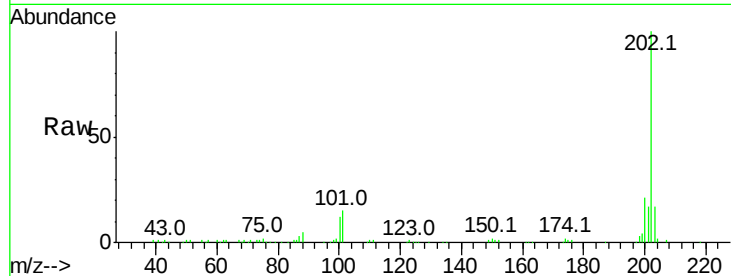
#77
Pvrene
Concen: 7.118 ng
RT: 12.79 min Scan# 1819
Delta R.T. 0.00 min
Lab File: BF101524.D
Acq: 19 Dec 2017 16:05

Instrument :
BNA_F
ClientSampleId :
5

Tot Ion	Ratio	Lower	Upper
202	100		
200	20.9	17.4	26.2
203	17.4	14.3	21.5

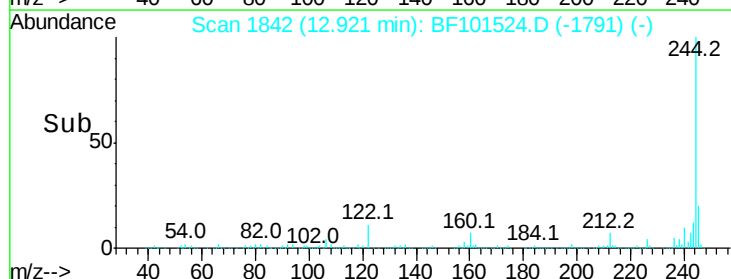
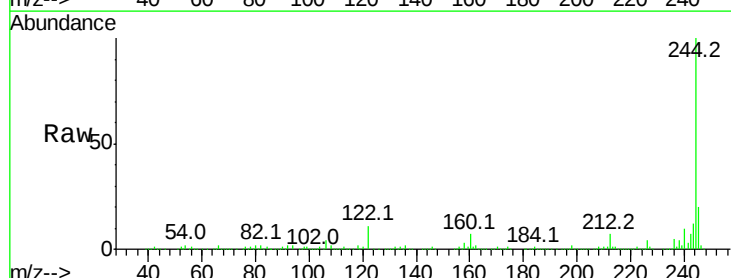
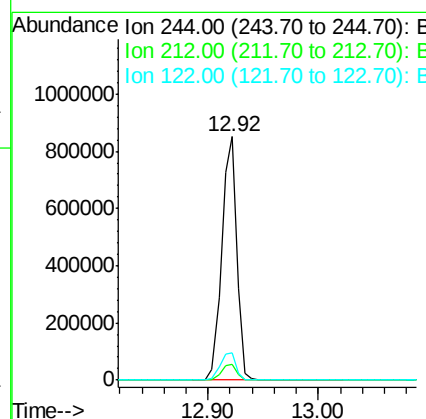
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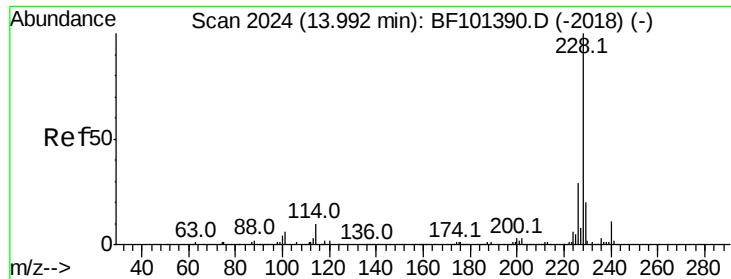
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12/20/2017 3:47:48 PM



#78
Terphenyl-d14
Concen: 85.525 ng
RT: 12.92 min Scan# 1842
Delta R.T. 0.00 min
Lab File: BF101524.D
Acq: 19 Dec 2017 16:05

Tgt Ion	Ratio	Lower	Upper
244	100		
212	6.7	5.4	8.0
122	11.1	11.0	16.4





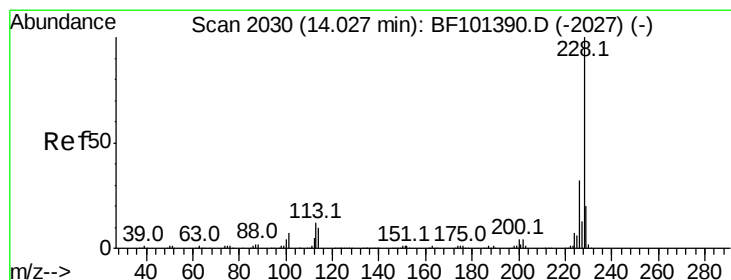
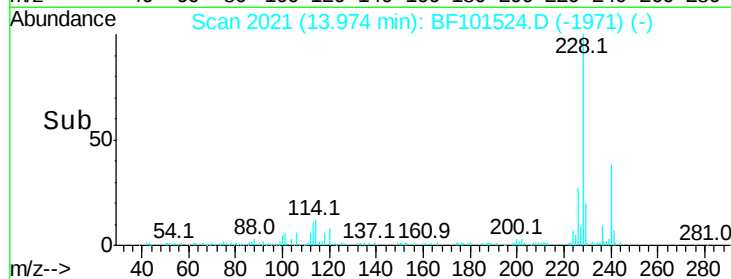
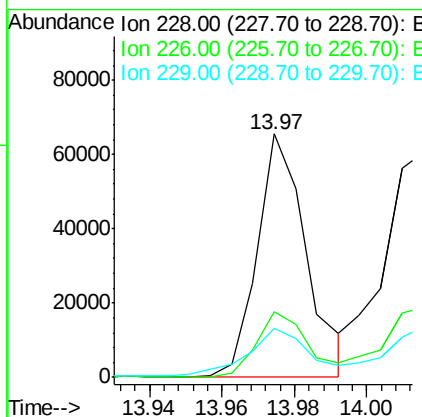
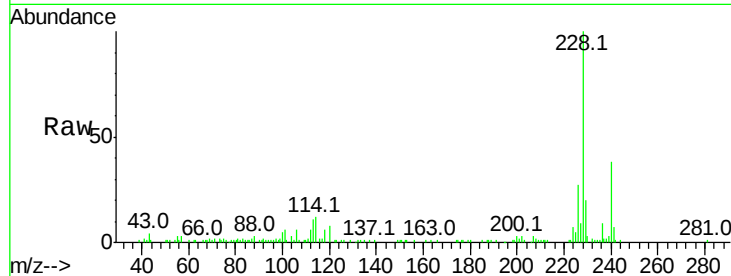
#80
Benzo(a)anthracene
Concen: 4.136 ng
RT: 13.97 min Scan# 2021
Delta R.T. -0.01 min
Lab File: BF101524.D
Acq: 19 Dec 2017 16:05

Instrument :
BNA_F
ClientSampled :
5

Tot Ion	Ratio	Lower	Upper
228	100		
226	26.7	22.6	33.8
229	20.1	15.8	23.6

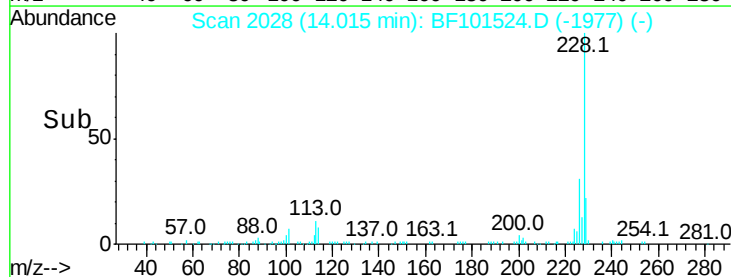
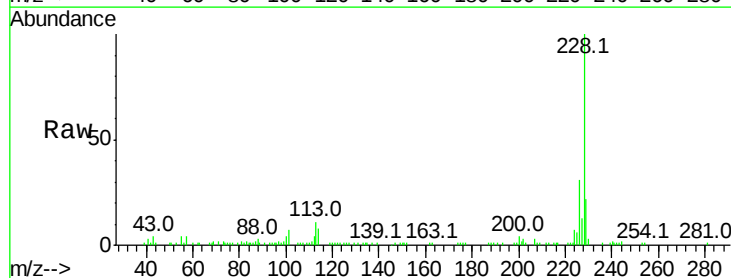
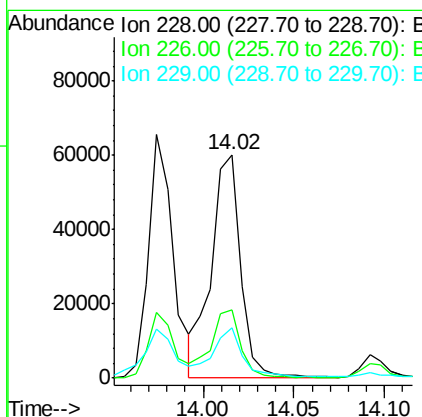
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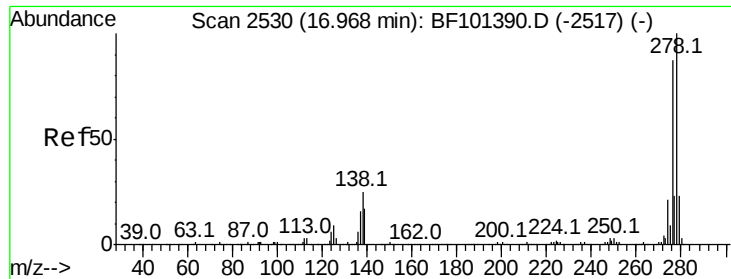
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12/20/2017 3:47:48 PM



#82
Chrysene
Concen: 4.841 ng
RT: 14.02 min Scan# 2028
Delta R.T. 0.00 min
Lab File: BF101524.D
Acq: 19 Dec 2017 16:05

Tgt Ion	Ratio	Lower	Upper
228	100		
226	30.6	25.0	37.6
229	22.5	16.2	24.4





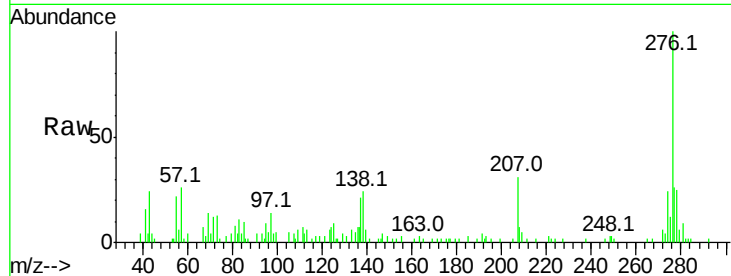
#85
Indeno(1,2,3-cd)pyrene
Concen: 3.133 ng
RT: 16.94 min Scan# 2526
Delta R.T. 0.01 min
Lab File: BF101524.D
Acq: 19 Dec 2017 16:05

Instrument :
BNA_F
ClientSampled :
5

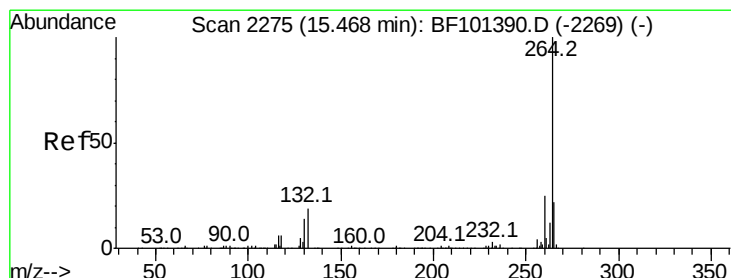
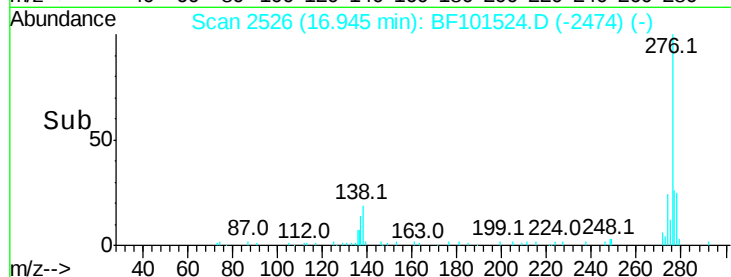
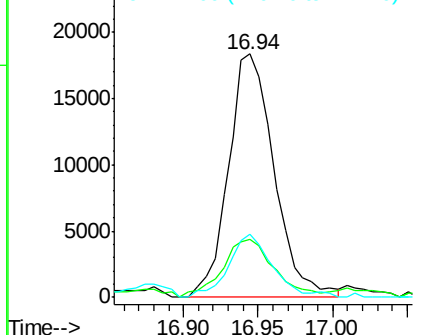
Tot Ion	Ratio	Lower	Upper
276	100		
138	27.0	25.0	37.6
277	24.9	20.1	30.1

Manual Integrations
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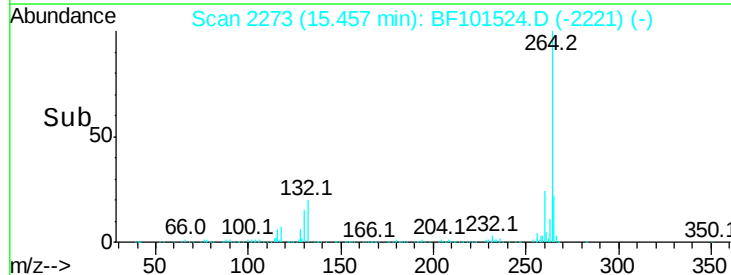
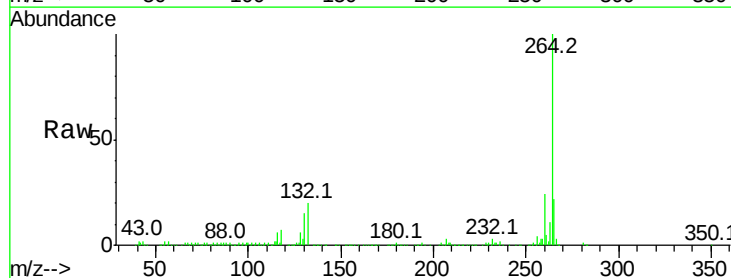
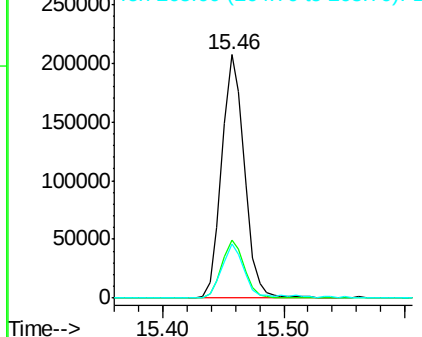
Abundance Ion 276.00 (275.70 to 276.70): E
Ion 138.00 (137.70 to 138.70): E
Ion 277.00 (276.70 to 277.70): E

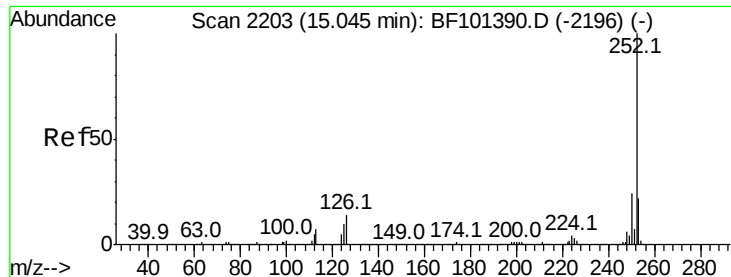


#86
Perylene-d12
Concen: 20.000 ng
RT: 15.46 min Scan# 2273
Delta R.T. 0.01 min
Lab File: BF101524.D
Acq: 19 Dec 2017 16:05

Tgt Ion	Ratio	Lower	Upper
264	100		
260	24.1	19.2	28.8
265	22.0	17.5	26.3

Abundance Ion 264.00 (263.70 to 264.70): E
Ion 260.00 (259.70 to 260.70): E
Ion 265.00 (264.70 to 265.70): E





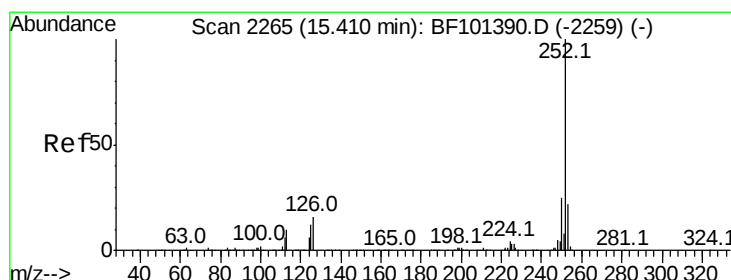
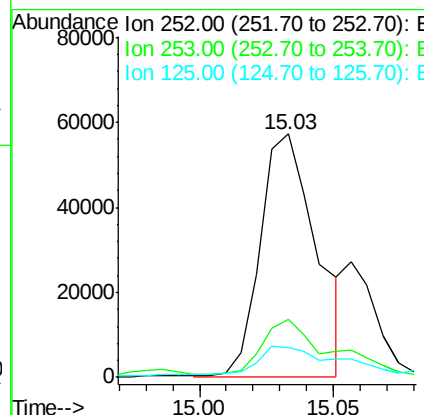
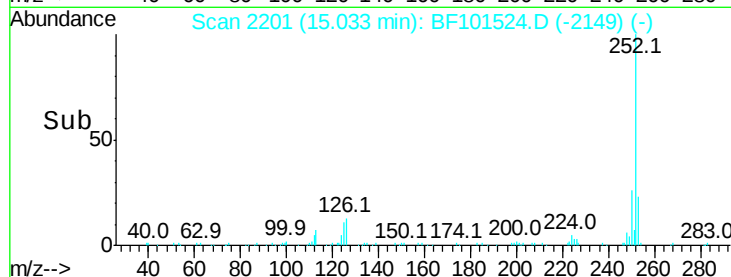
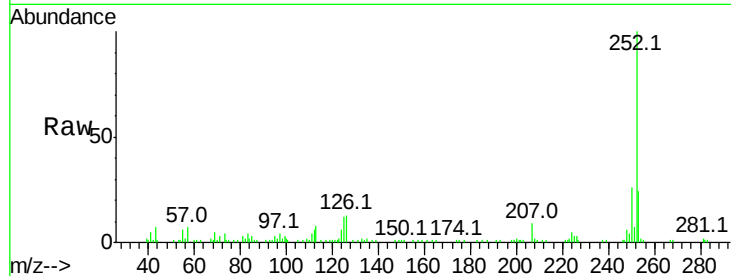
#87
Benzo(b)fluoranthene
Concen: 5.050 ng m
RT: 15.03 min Scan# 2201
Delta R.T. 0.01 min
Lab File: BF101524.D
Acq: 19 Dec 2017 16:05

Instrument :
BNA_F
ClientSampled :
5

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.6	17.0	25.6
125	12.4	9.0	13.6

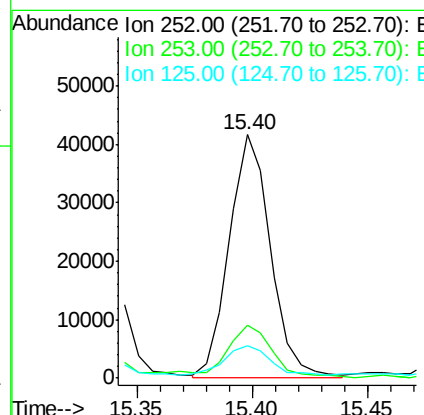
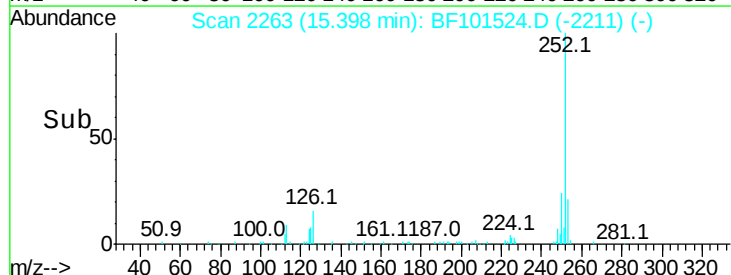
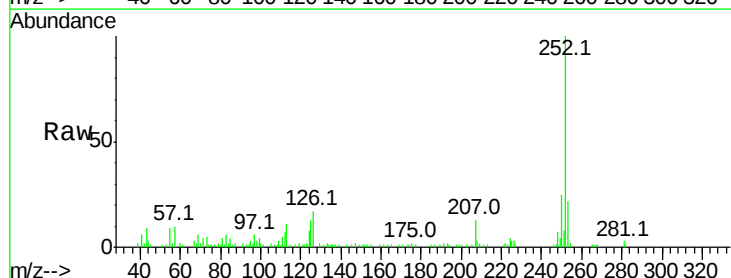
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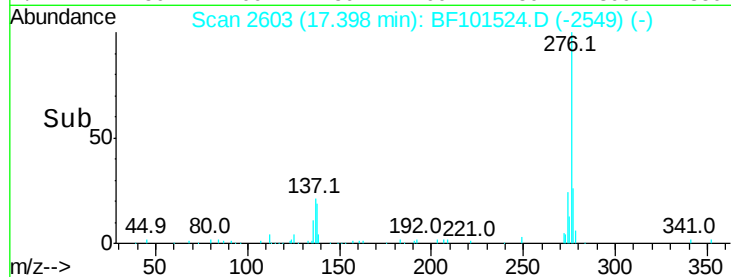
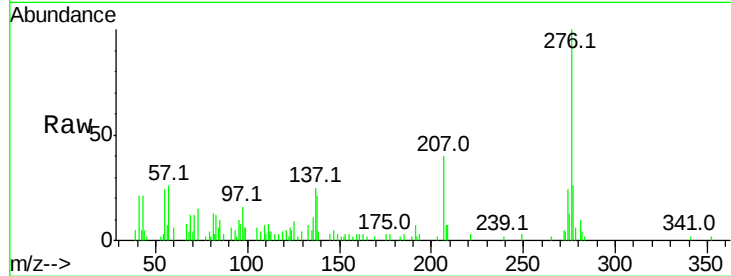
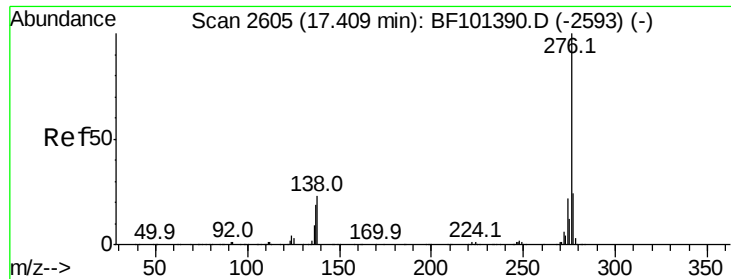
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#89
Benzo(a)pyrene
Concen: 3.436 ng
RT: 15.40 min Scan# 2263
Delta R.T. 0.01 min
Lab File: BF101524.D
Acq: 19 Dec 2017 16:05

Tgt Ion	Ratio	Lower	Upper
252	100		
253	21.9	17.1	25.7
125	13.2	9.8	14.6





#91

Benzo(a,h,i)perylene

Concen: 2.805 ng/ml

RT: 17.40 min Scan# 2603

Delta R.T. 0.02 min

Lab File: BF101524.D

Acq: 19 Dec 2017 16:05

Instrument :

BNA_F

ClientSampleId :

5

Tot Ion	Ratio	Lower	Upper
276	100		
277	25.5	17.9	26.9
138	21.2	21.8	32.8

Manual Integrations
APPROVED

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