

Data Path : Z:\HPCHEM1\BNA F\DATA\BF042318\
 Data File : BF104711.D
 Acq On : 23 Apr 2018 16:00
 Operator : JU/SJ
 Sample : J2499-01
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 355-285-279

Manual Integrations
 APPROVED

Sohil
 4/24/2018 3:48:39 PM

Quant Time: Apr 24 09:04:56 2018
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF040618.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Apr 23 15:38:25 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.81	152	110160	20.00	ng	0.00
21) Naphthalene-d8	8.09	136	426574	20.00	ng	0.00
38) Acenaphthene-d10	9.85	164	166176	20.00	ng	0.00
63) Phenanthrene-d10	11.34	188	267880	20.00	ng	0.00
75) Chrysene-d12	13.99	240	175866	20.00	ng	0.00
86) Perylene-d12	15.47	264	131384	20.00	ng	0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.43	112	708154	98.29	ng	0.02
7) Phenol-d6	6.46	99	835204	94.35	ng	0.01
23) Nitrobenzene-d5	7.37	82	459675	70.37	ng	0.00
41) 2,4,6-Tribromophenol	10.64	330	153127	88.83	ng	0.00
44) 2-Fluorobiphenyl	9.17	172	792067	75.30	ng	0.00
78) Terphenyl-d14	12.93	244	599137	77.67	ng	0.00
Target Compounds						
49) Dimethylphthalate	9.56	163	62305	4.755	ng	Qvalue 100
70) Phenanthrene	11.36	178	184113	12.342	ng	97
71) Anthracene	11.42	178	56338	3.715	ng	97
74) Fluoranthene	12.56	202	209102	13.416	ng	97
77) Pyrene	12.79	202	173862	13.337	ng	98
80) Benzo(a)anthracene	13.98	228	69322	6.598	ng	98
82) Chrysene	14.02	228	59794	5.541	ng	96
85) Indeno(1,2,3-cd)pyrene	16.93	276	21837	2.382	ng	# 92
87) Benzo(b)fluoranthene	15.04	252	53614m	6.461	ng	
88) Benzo(k)fluoranthene	15.06	252	18524m	2.365	ng	
89) Benzo(a)pyrene	15.40	252	38312	5.160	ng	# 91
91) Benzo(a,h,i)perylene	17.37	276	19505	3.302	ng	96

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

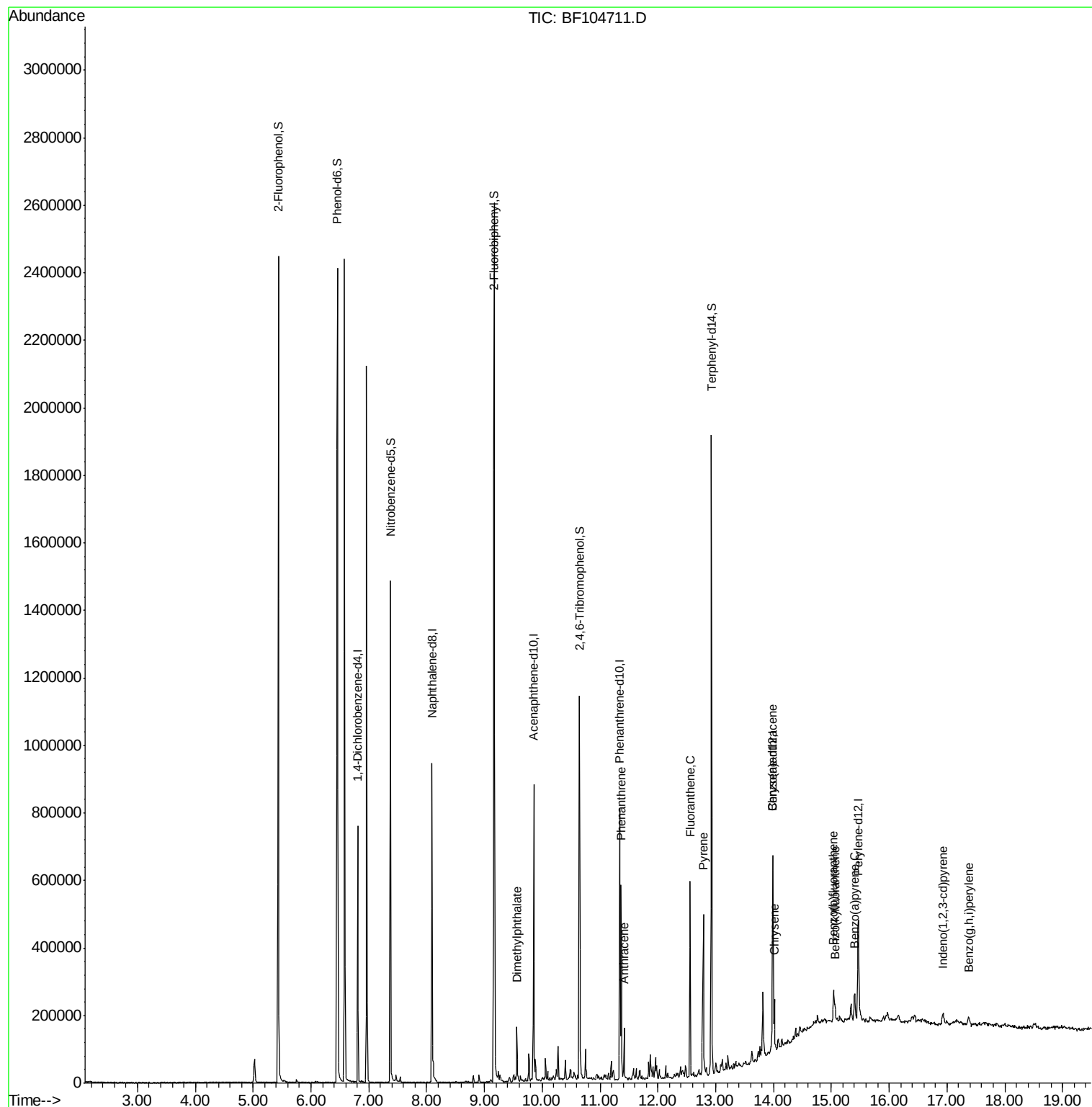
Data Path : Z:\HPCHEM1\BNA F\DATA\BF042318\
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Misc :
ALS Vial : 14 Sample Multiplier: 1

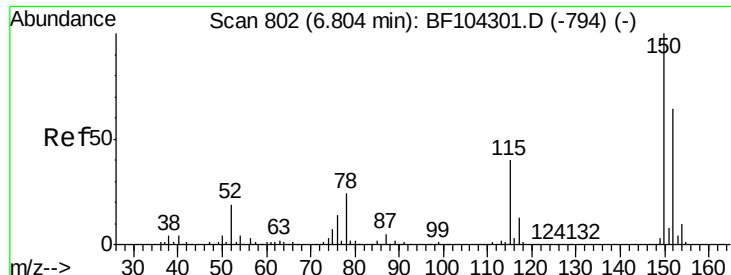
Instrument :
BNA_F
ClientSampled :
355-285-279

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Quant Time: Apr 24 09:04:56 2018
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#1

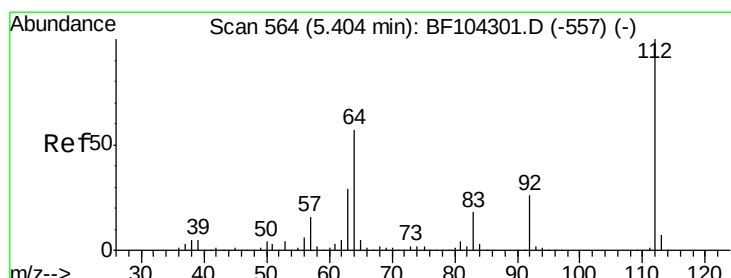
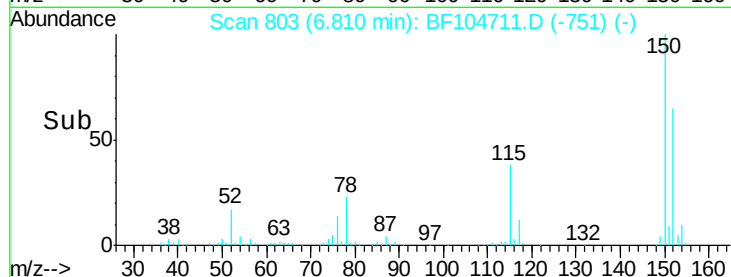
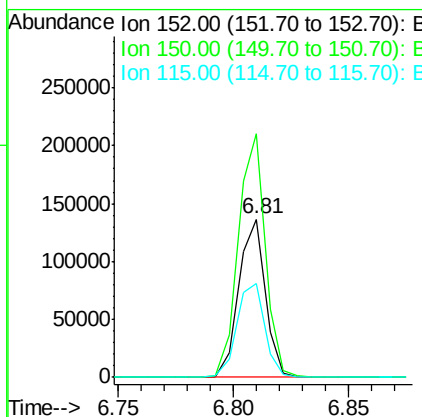
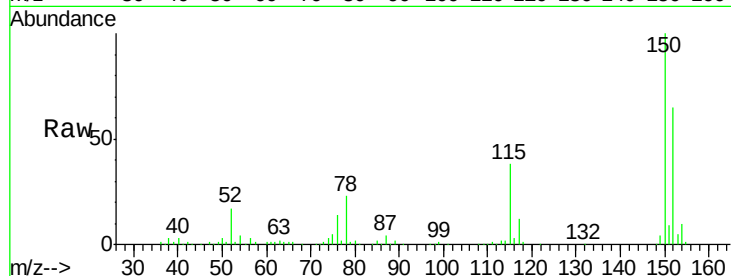
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.81 min Scan# 803
Delta R.T. 0.01 min
Lab File: BF104711.D
Acq: 23 Apr 2018 16:00

Instrument :
BNA_F
ClientSampleId :
355-285-279

Tot Ion	Ratio	Lower	Upper
152	100		
150	154.2	124.6	186.8
115	59.1	50.1	75.1

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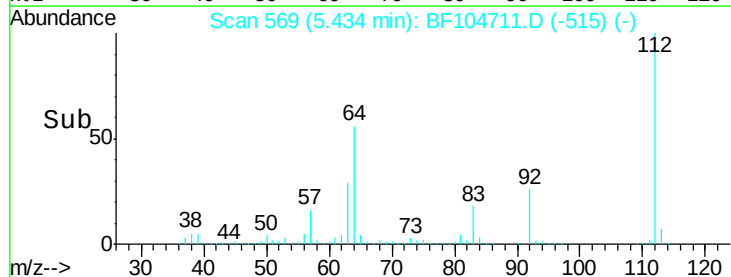
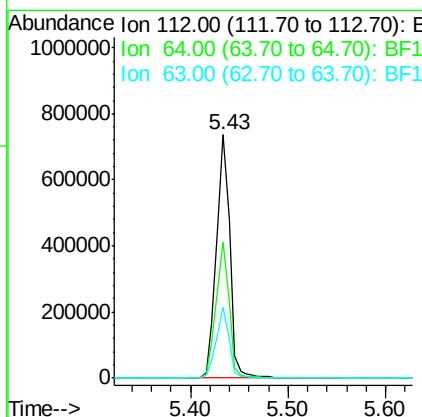
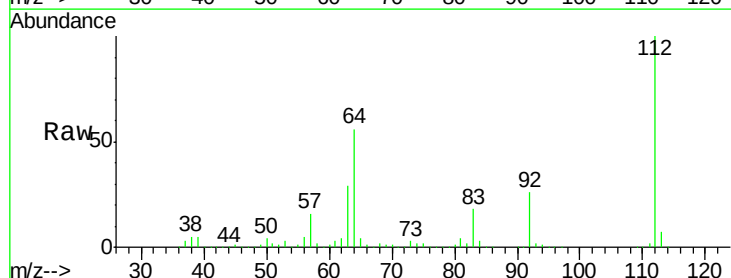
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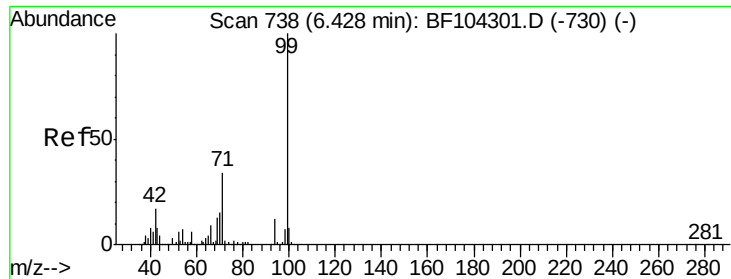


#5

2-Fluorophenol
Concen: 98.294 ng
RT: 5.43 min Scan# 569
Delta R.T. 0.02 min
Lab File: BF104711.D
Acq: 23 Apr 2018 16:00

Tgt Ion	Ratio	Lower	Upper
112	100		
64	56.0	47.9	71.9
63	28.8	23.7	35.5





#7

Phenol-d6

Concen: 94.353 ng

RT: 6.46 min Scan# 743

Delta R.T. 0.01 min

Lab File: BF104711.D

Acq: 23 Apr 2018 16:00

Instrument :

BNA_F

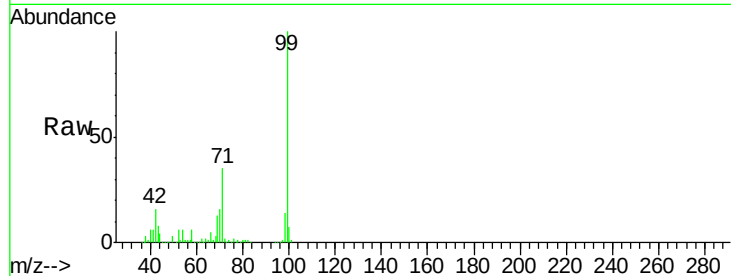
ClientSampled :

355-285-279

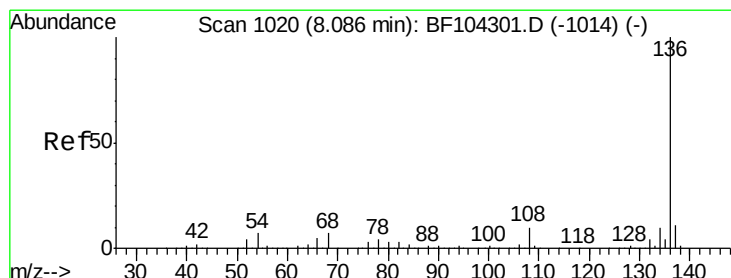
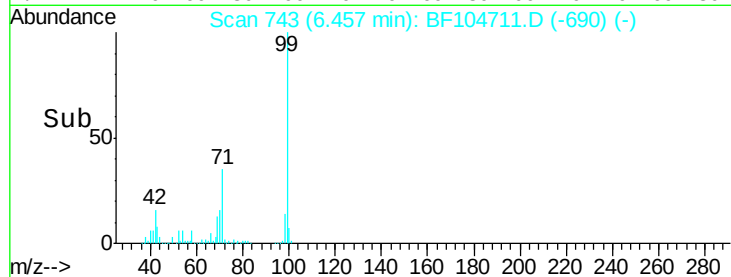
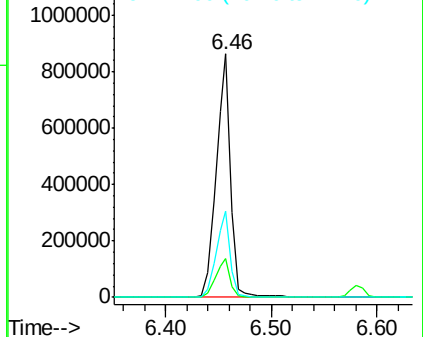
Tot Ion:	99	Resp:	835204
Ion	Ratio	Lower	Upper
99	100		
42	16.2	14.5	21.7
71	35.4	25.4	38.0

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Abundance Ion 99.00 (98.70 to 99.70): BF1
Ion 42.00 (41.70 to 42.70): BF1
Ion 71.00 (70.70 to 71.70): BF1



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.09 min Scan# 1021

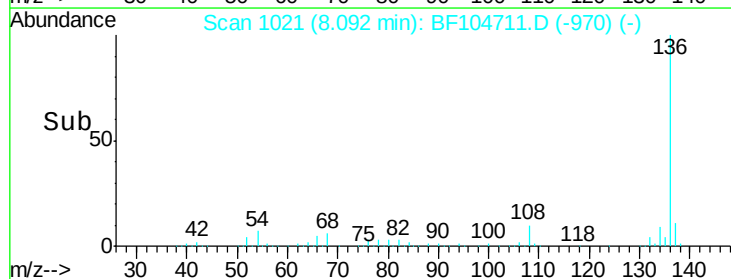
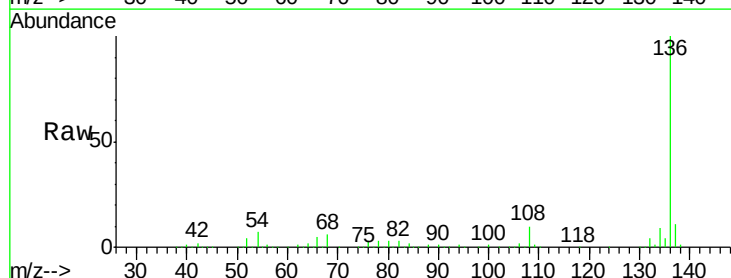
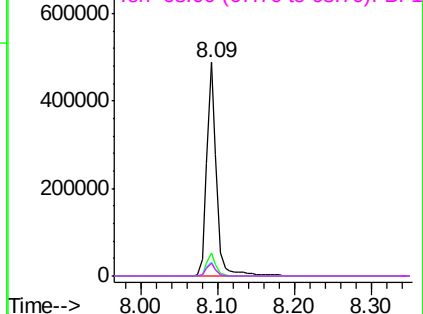
Delta R.T. -0.00 min

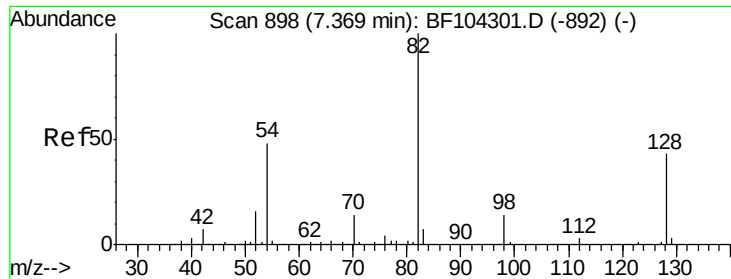
Lab File: BF104711.D

Acq: 23 Apr 2018 16:00

Tgt Ion:	136	Resp:	426574
Ion	Ratio	Lower	Upper
136	100		
137	10.8	8.9	13.3
54	6.7	6.6	9.8
68	6.1	5.0	7.4

Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF1
Ion 68.00 (67.70 to 68.70): BF1





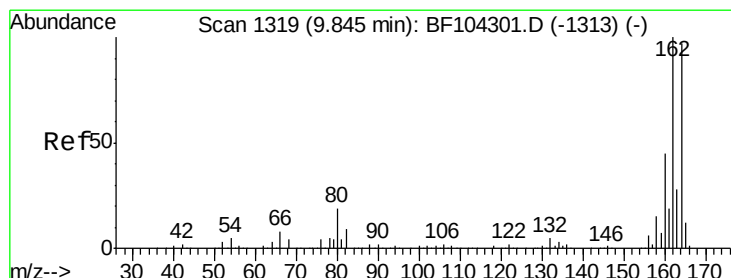
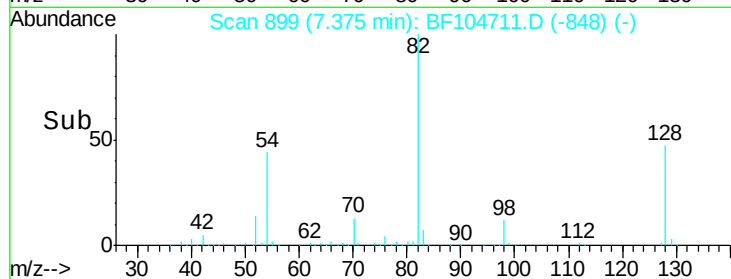
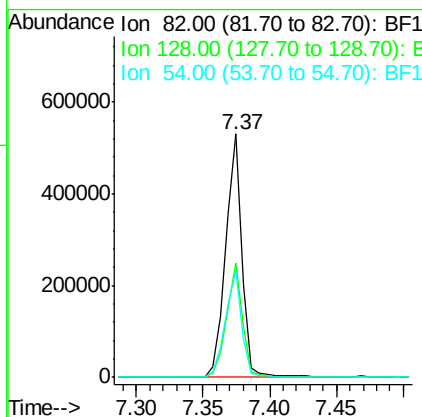
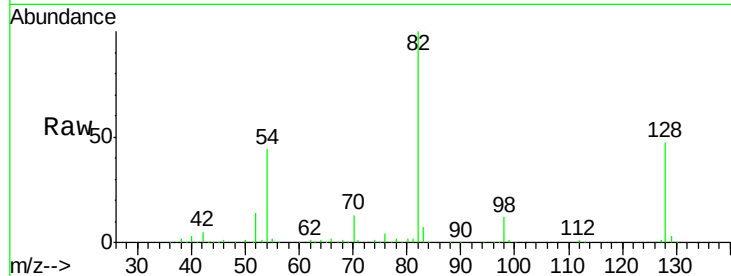
#23
 Nitrobenzene-d5
 Concen: 70.365 ng
 RT: 7.37 min Scan# 899
 Delta R.T. -0.00 min
 Lab File: BF104711.D
 Acq: 23 Apr 2018 16:00

Instrument :
 BNA_F
 ClientSampleId :
 355-285-279

Tot Ion	Ratio	Resp	Lower	Upper
82	100	459675		
128	46.9		36.1	54.1
54	44.0		41.4	62.2

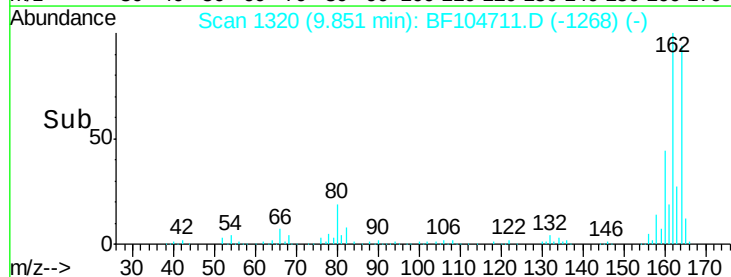
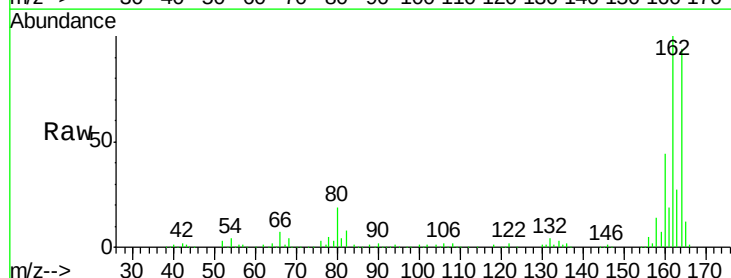
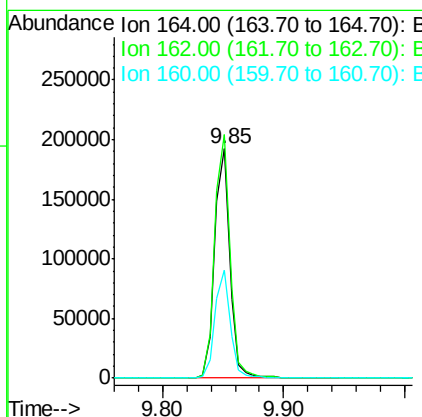
Manual Integrations
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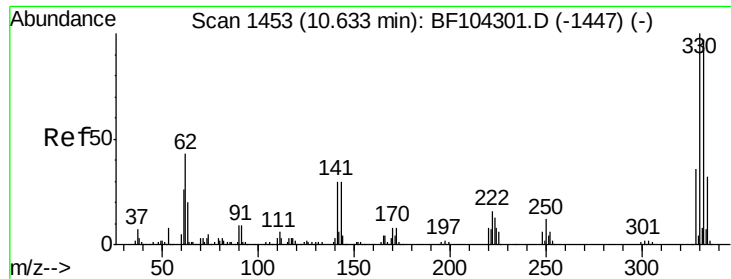
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#38
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.85 min Scan# 1320
 Delta R.T. 0.01 min
 Lab File: BF104711.D
 Acq: 23 Apr 2018 16:00

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	166176		
162	106.2		86.1	129.1
160	47.0		38.3	57.5





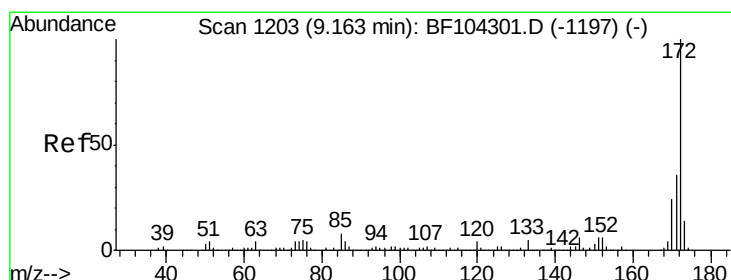
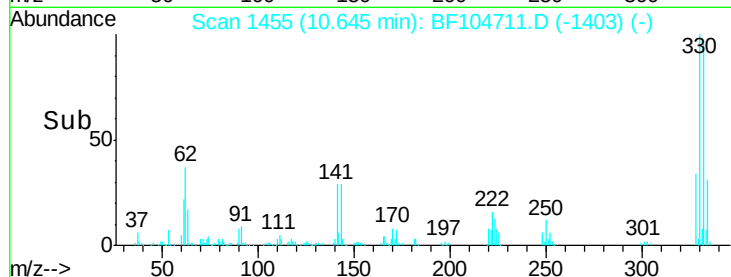
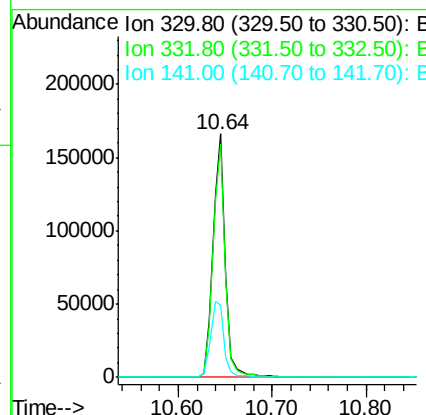
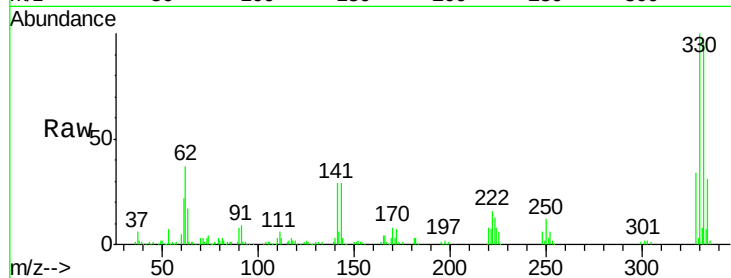
#41
 2,4,6-Tribromophenol
 Concen: 88.832 ng
 RT: 10.64 min Scan# 1455
 Delta R.T. 0.01 min
 Lab File: BF104711.D
 Acq: 23 Apr 2018 16:00

Instrument :
 BNA_F
 ClientSampleId :
 355-285-279

Tot Ion	Ratio	Resp	Lower	Upper
330	100	153127		
332	96.0	77.0	115.6	
141	33.8	29.9	44.9	

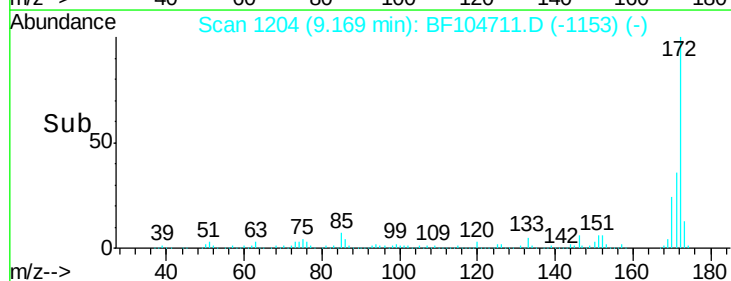
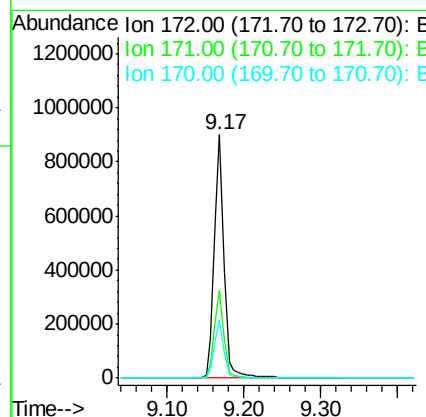
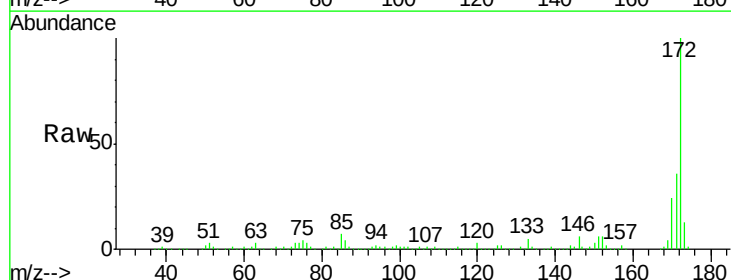
Manual Integrations
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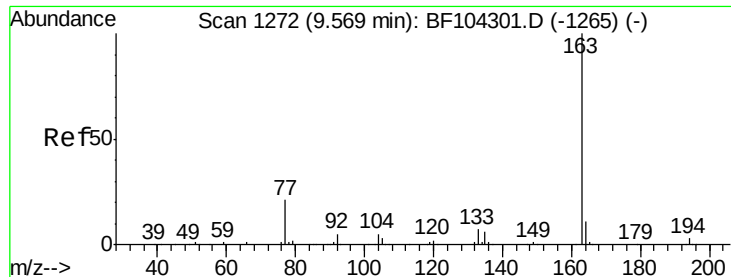
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#44
 2-Fluorobiphenyl
 Concen: 75.298 ng
 RT: 9.17 min Scan# 1204
 Delta R.T. -0.00 min
 Lab File: BF104711.D
 Acq: 23 Apr 2018 16:00

Tgt Ion	Ratio	Resp	Lower	Upper
172	100	792067		
171	36.0	29.7	44.5	
170	23.9	19.6	29.4	





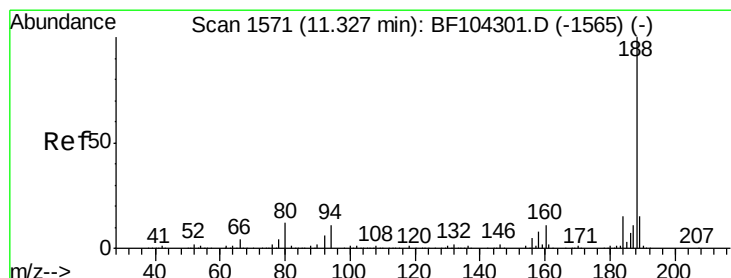
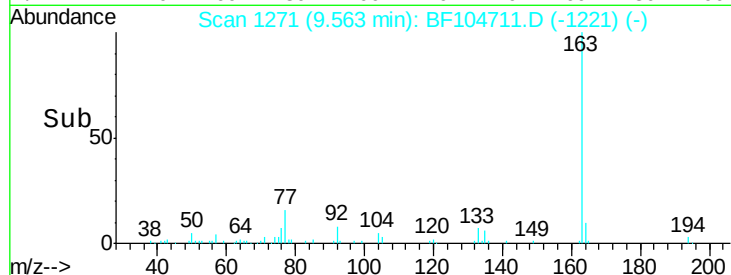
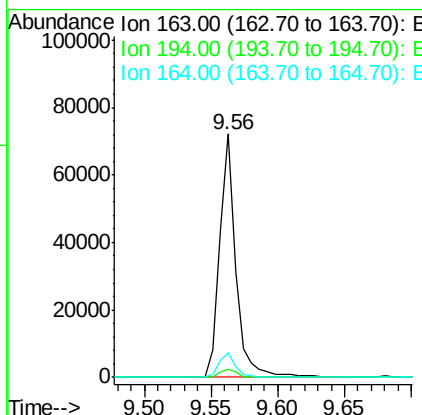
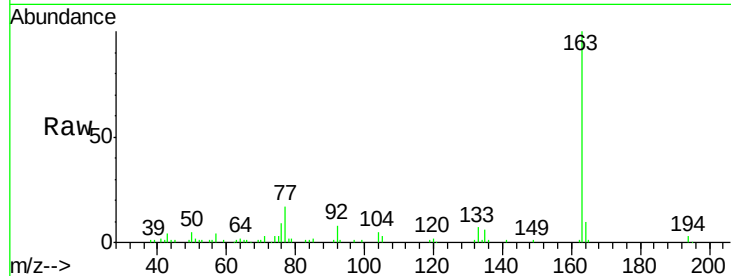
#49
Dimethylphthalate
Concen: 4.755 ng
RT: 9.56 min Scan# 1271
Delta R.T. -0.01 min
Lab File: BF104711.D
Acq: 23 Apr 2018 16:00

Instrument :
BNA_F
ClientSampleId :
355-285-279

Tot Ion	Ion	Ratio	Resp	Lower	Upper
163	100		62305		
194	3.3		2.7	4.1	
164	10.1		8.2	12.2	

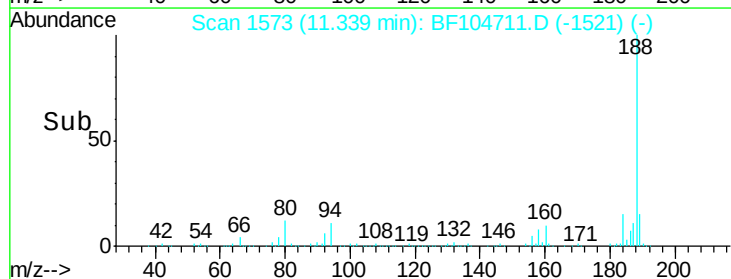
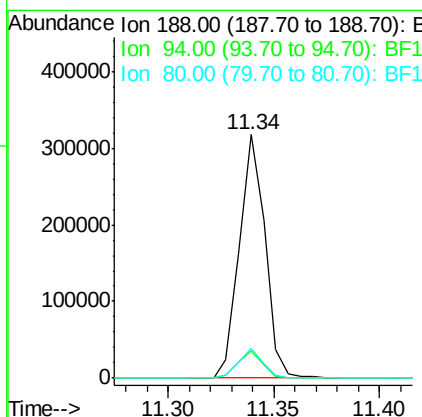
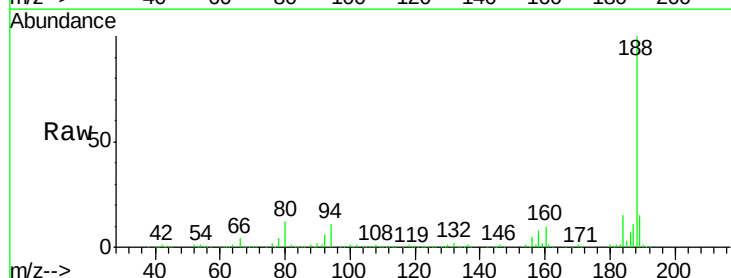
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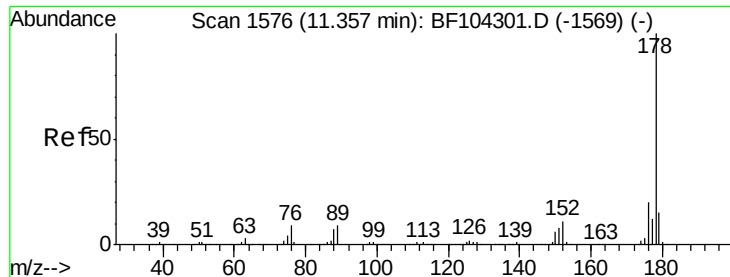
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#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.34 min Scan# 1573
Delta R.T. 0.01 min
Lab File: BF104711.D
Acq: 23 Apr 2018 16:00

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
188	100		267880		
94	11.1		8.5	12.7	
80	12.1		9.2	13.8	





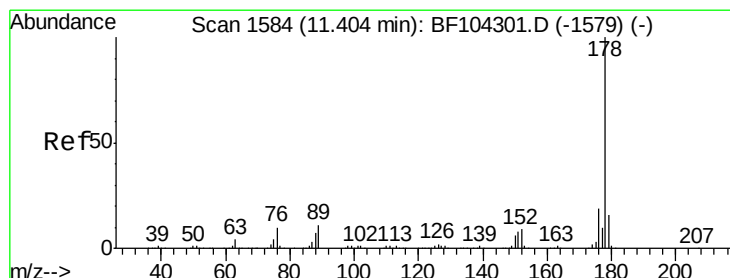
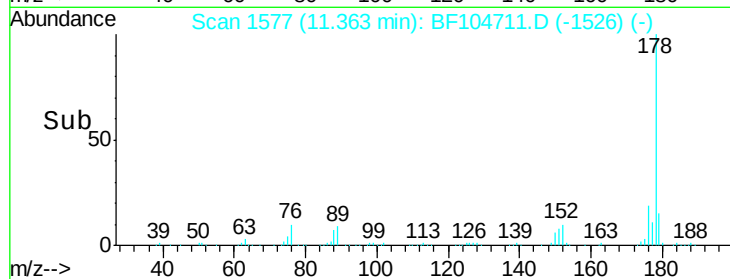
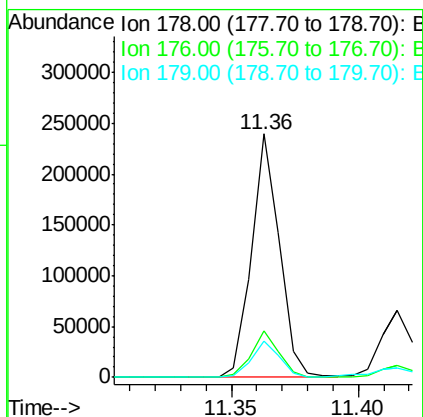
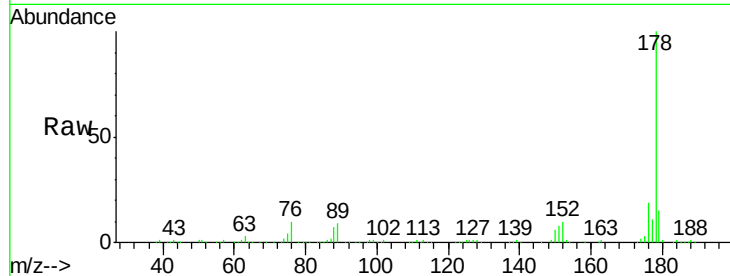
#70
Phenanthrene
Concen: 12.342 ng
RT: 11.36 min Scan# 1577
Delta R.T. -0.00 min
Lab File: BF104711.D
Acq: 23 Apr 2018 16:00

Instrument :
BNA_F
ClientSampleId :
355-285-279

Tot Ion	Ratio	Lower	Upper
178	100		
176	18.9	15.8	23.8
179	14.9	13.0	19.6

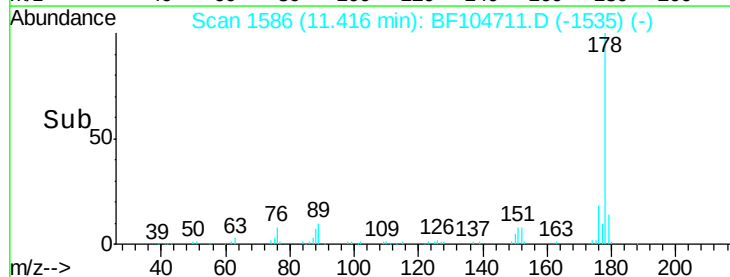
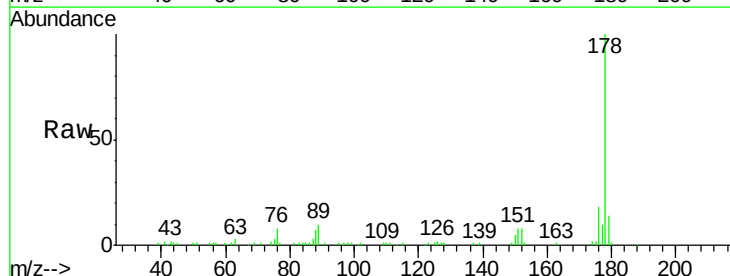
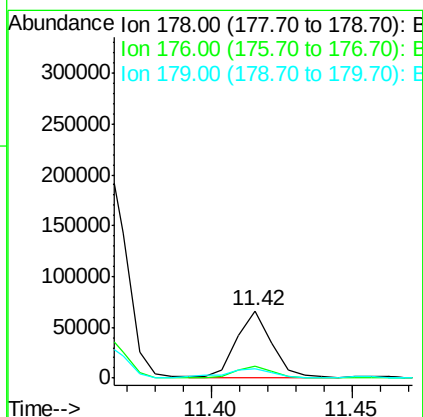
Manual Integrations
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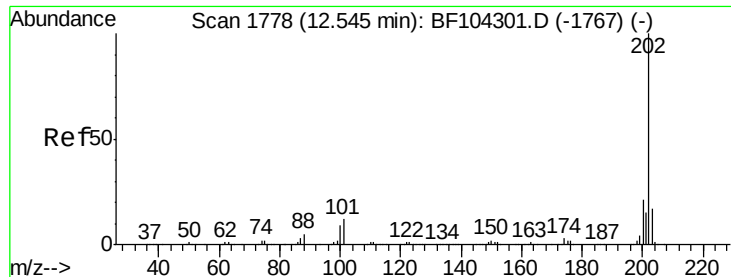
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#71
Anthracene
Concen: 3.715 ng
RT: 11.42 min Scan# 1586
Delta R.T. -0.00 min
Lab File: BF104711.D
Acq: 23 Apr 2018 16:00

Tgt Ion	Ratio	Lower	Upper
178	100		
176	18.3	15.4	23.2
179	14.1	12.6	19.0





#74

Fluoranthene

Concen: 13.416 ng

RT: 12.56 min Scan# 1780

Delta R.T. 0.01 min

Lab File: BF104711.D

Acq: 23 Apr 2018 16:00

Instrument :

BNA_F

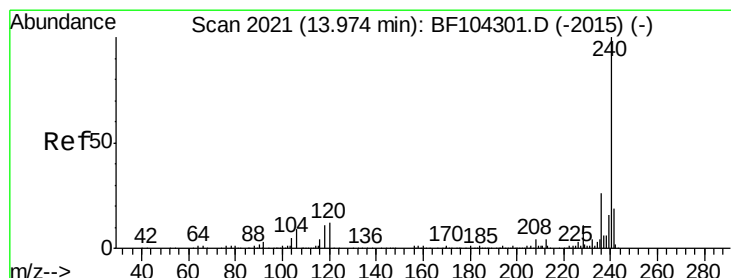
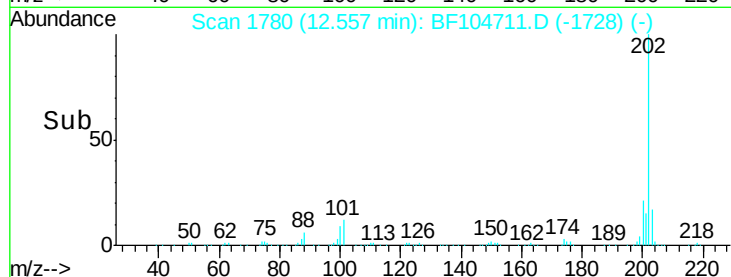
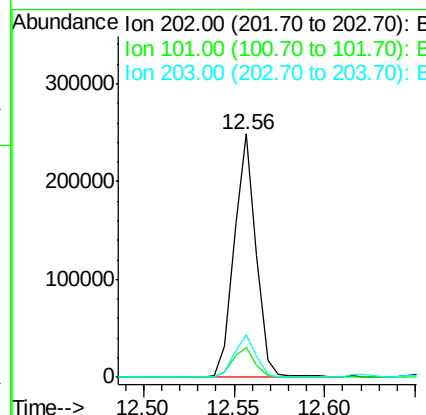
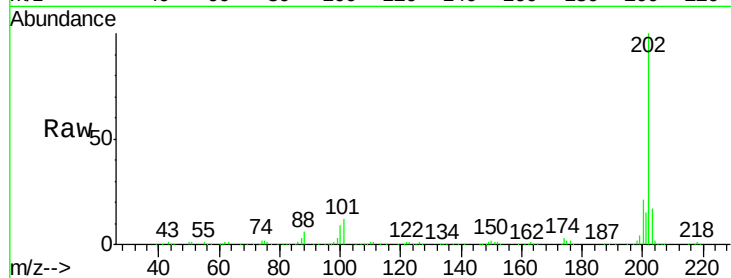
ClientSampled :

355-285-279

Tot Ion	Ratio	Resp Lower	Upper
202	100		
101	12.4	0.0	34.1
203	17.5	0.0	38.1

Manual Integrations
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#75

Chrysene-d12

Concen: 20.000 ng

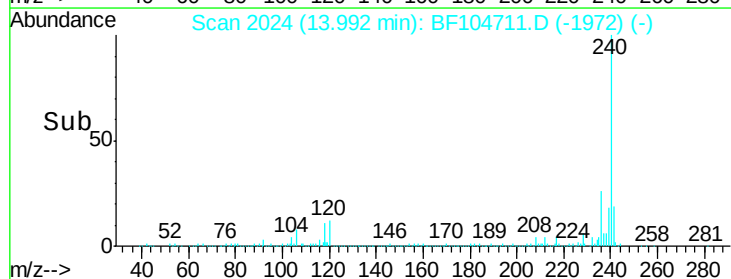
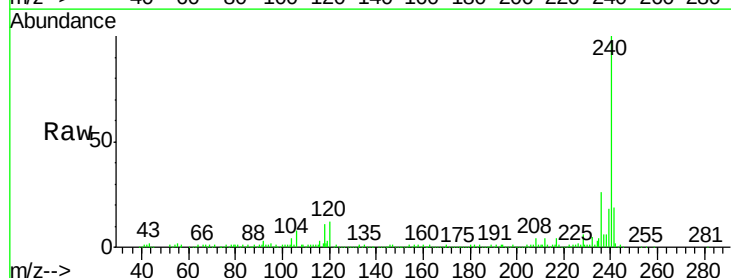
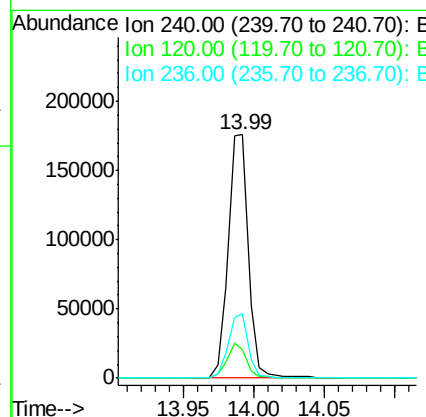
RT: 13.99 min Scan# 2024

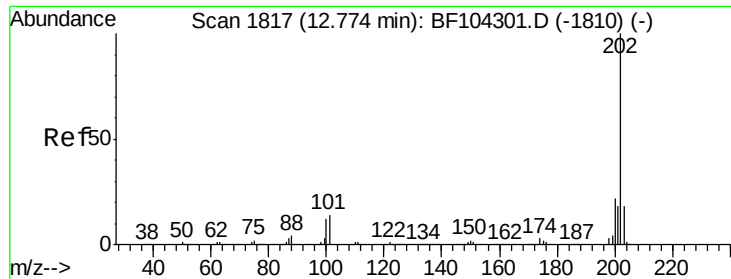
Delta R.T. 0.01 min

Lab File: BF104711.D

Acq: 23 Apr 2018 16:00

Tgt Ion	Ratio	Resp Lower	Upper
240	100		
120	11.5	9.5	14.3
236	26.4	20.7	31.1





#77

Pvrene

Concen: 13.337 ng

RT: 12.79 min Scan# 1819

Delta R.T. 0.01 min

Lab File: BF104711.D

Acq: 23 Apr 2018 16:00

Instrument :

BNA_F

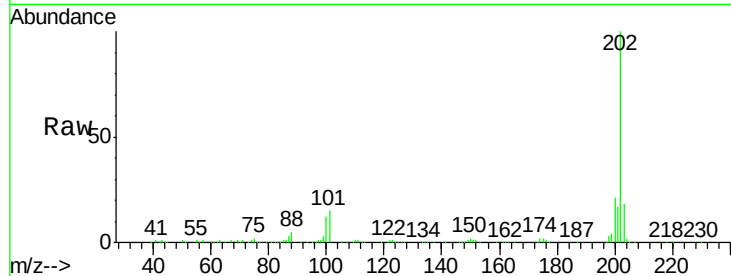
ClientSampled :

355-285-279

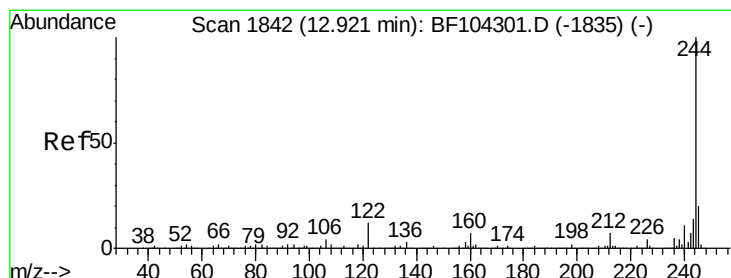
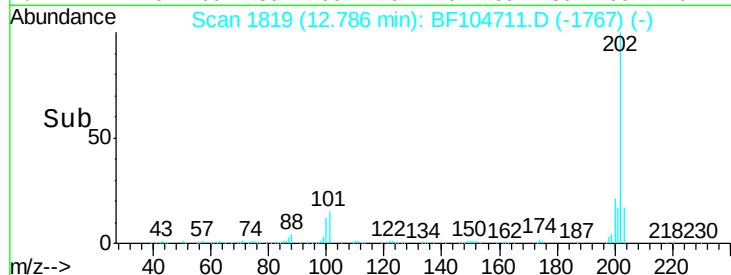
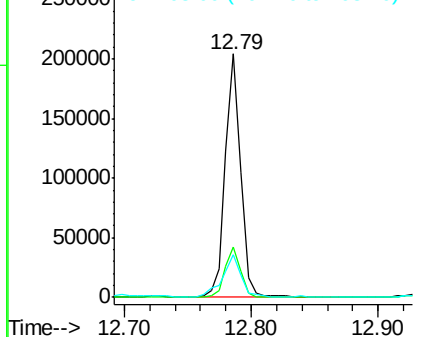
Tot Ion:	202	Resp:	173862
Ion Ratio	Lower	Upper	
202	100		
200	20.6	17.4	26.2
203	17.5	14.3	21.5

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4/24/2018 3:48:39 PM



Abundance Ion 202.00 (201.70 to 202.70): E
Ion 200.00 (199.70 to 200.70): E
Ion 203.00 (202.70 to 203.70): E



#78

Terphenyl-d14

Concen: 77.669 ng

RT: 12.93 min Scan# 1843

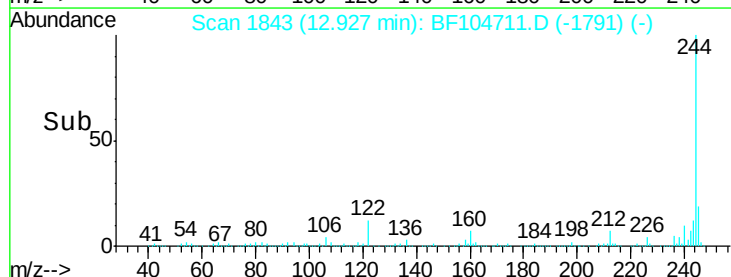
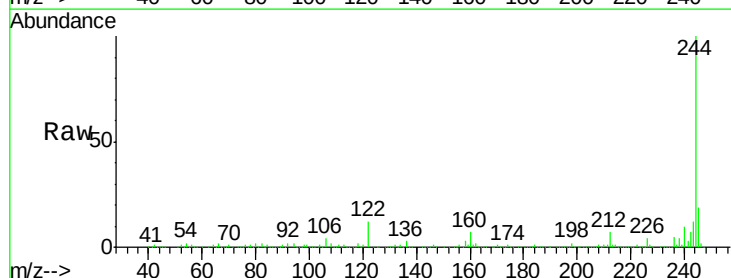
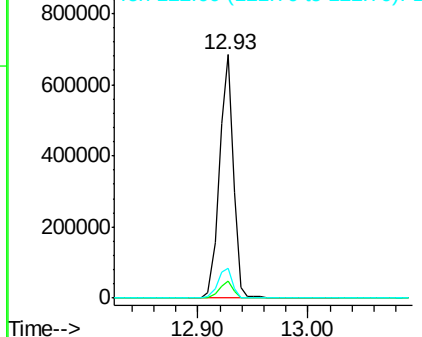
Delta R.T. 0.01 min

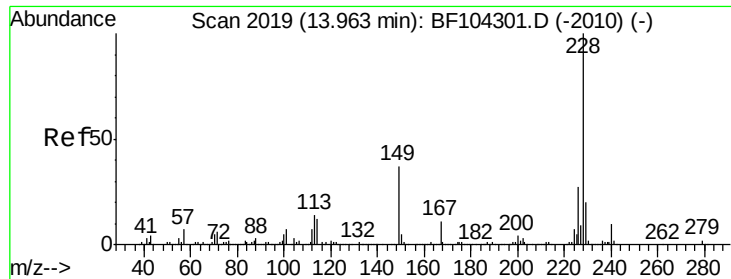
Lab File: BF104711.D

Acq: 23 Apr 2018 16:00

Tgt Ion:	244	Resp:	599137
Ion Ratio	Lower	Upper	
244	100		
212	6.8	5.4	8.0
122	12.0	11.0	16.4

Abundance Ion 244.00 (243.70 to 244.70): E
Ion 212.00 (211.70 to 212.70): E
Ion 122.00 (121.70 to 122.70): E





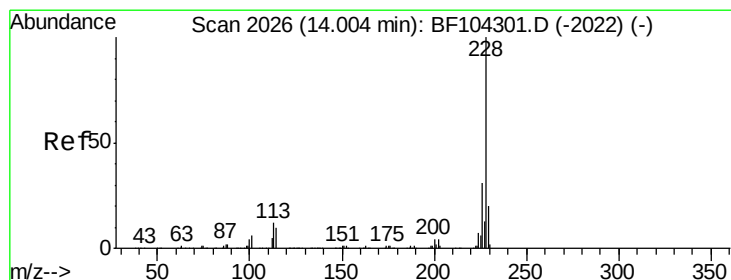
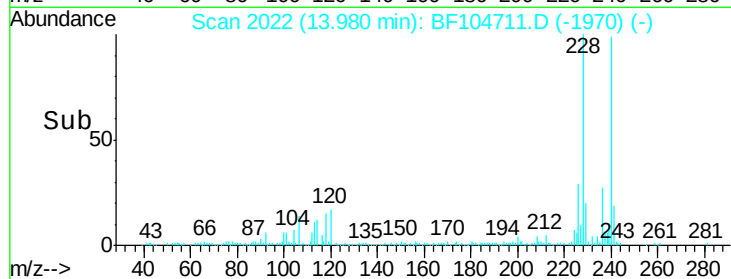
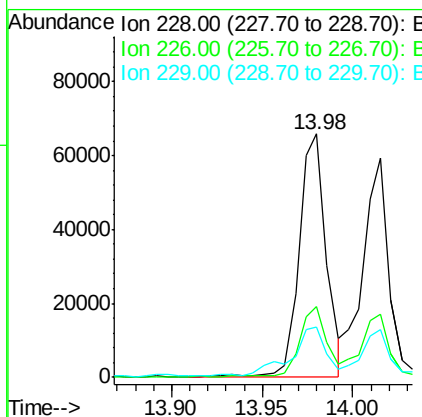
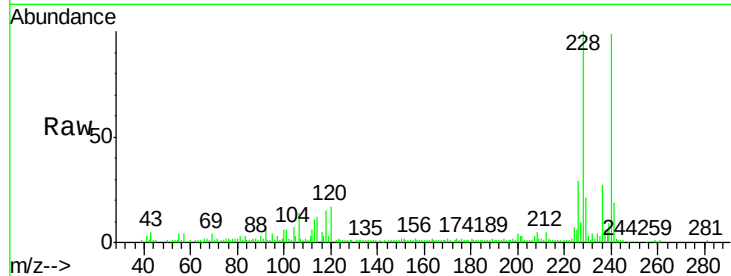
#80
Benzo(a)anthracene
Concen: 6.598 ng
RT: 13.98 min Scan# 2022
Delta R.T. 0.01 min
Lab File: BF104711.D
Acq: 23 Apr 2018 16:00

Instrument :
BNA_F
ClientSampleId :
355-285-279

Tot Ion	Ratio	Lower	Upper
228	100		
226	29.2	22.6	33.8
229	20.6	15.8	23.6

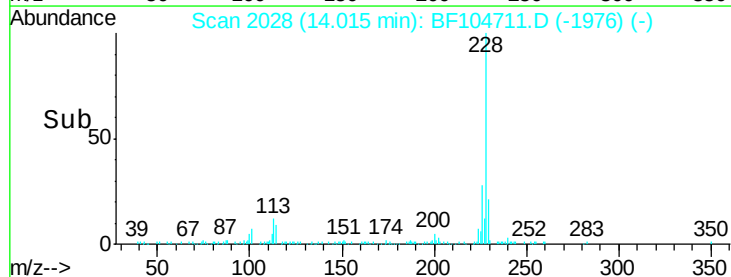
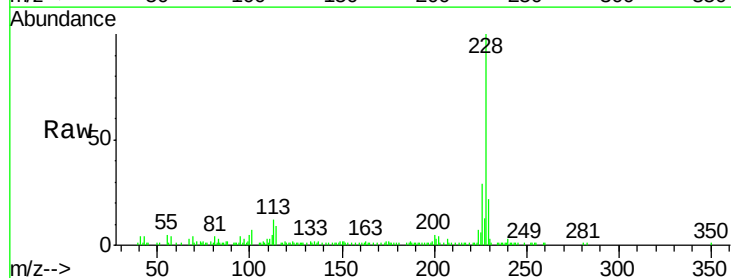
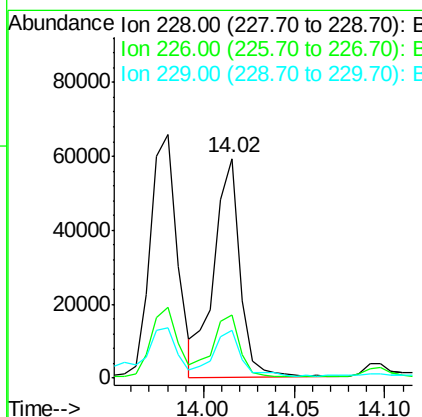
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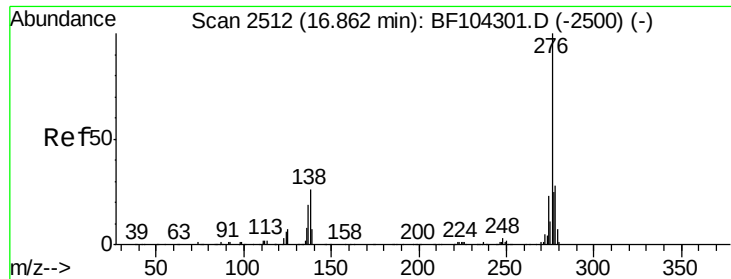
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#82
Chrysene
Concen: 5.541 ng
RT: 14.02 min Scan# 2028
Delta R.T. 0.01 min
Lab File: BF104711.D
Acq: 23 Apr 2018 16:00

Tgt Ion	Ratio	Lower	Upper
228	100		
226	28.6	25.0	37.6
229	21.7	16.2	24.4





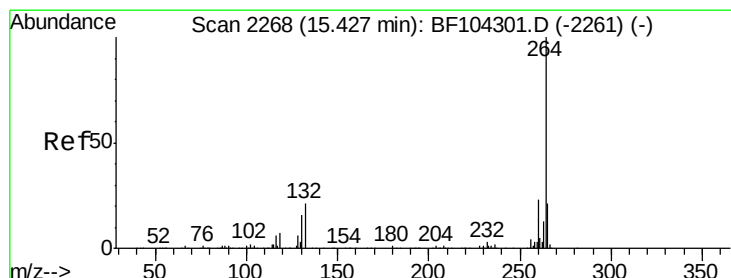
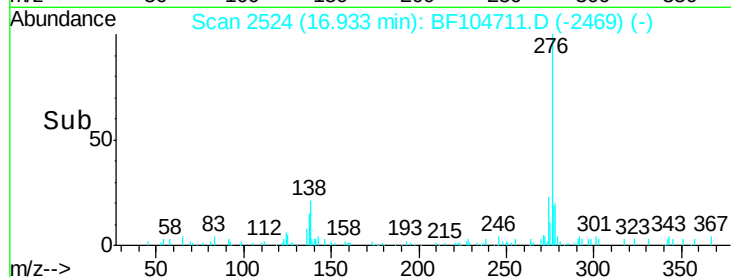
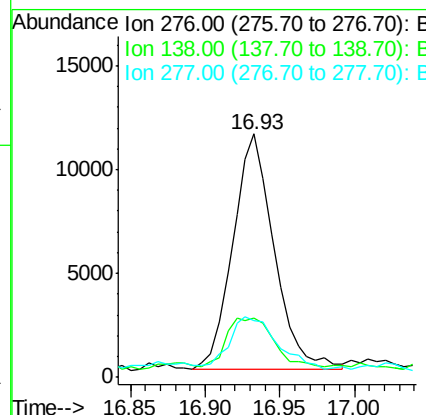
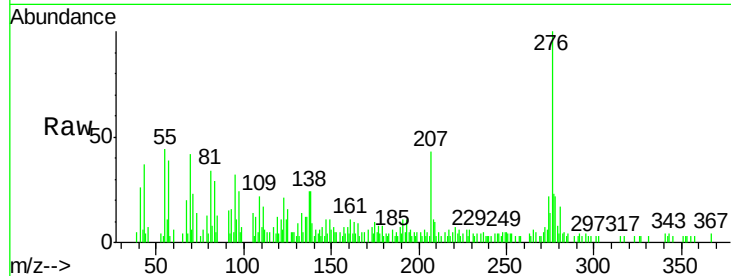
#85
Indeno(1,2,3-cd)pyrene
Concen: 2.382 ng
RT: 16.93 min Scan# 2524
Delta R.T. 0.02 min
Lab File: BF104711.D
Acq: 23 Apr 2018 16:00

Instrument :
BNA_F
ClientSampleId :
355-285-279

Tot Ion	Ratio	Lower	Upper
276	100		
138	23.6	25.0	37.6#
277	25.2	20.1	30.1

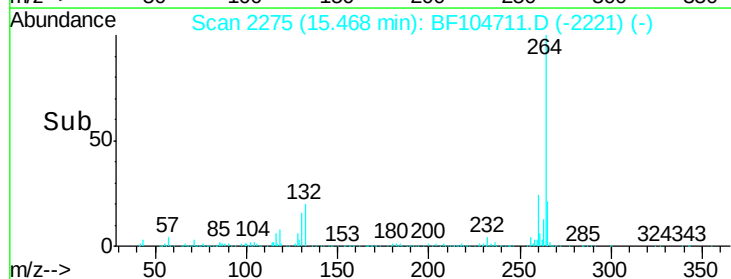
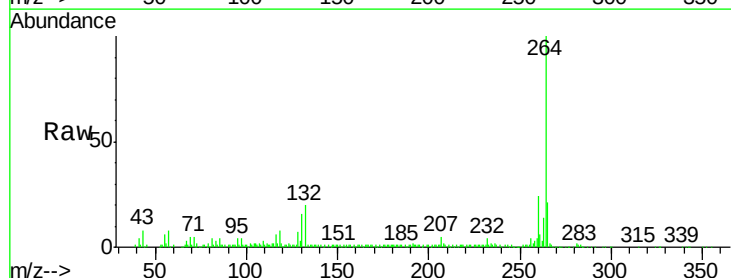
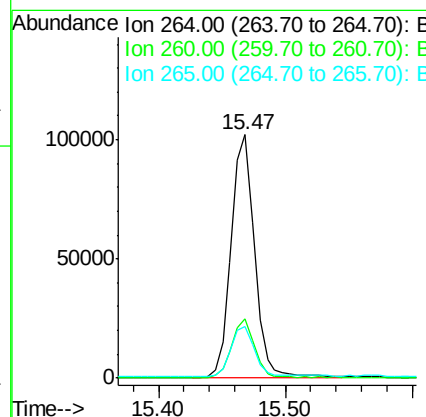
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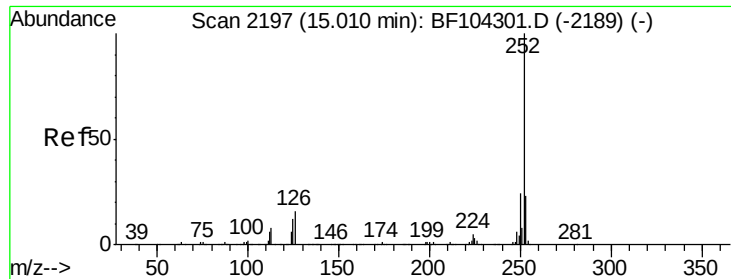
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#86
Perylene-d12
Concen: 20.000 ng
RT: 15.47 min Scan# 2275
Delta R.T. 0.02 min
Lab File: BF104711.D
Acq: 23 Apr 2018 16:00

Tgt Ion	Ratio	Lower	Upper
264	100		
260	24.4	19.2	28.8
265	21.3	17.5	26.3





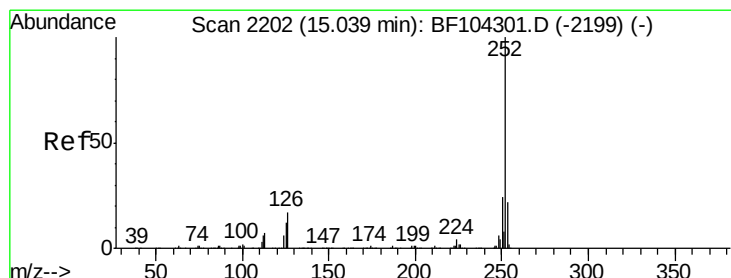
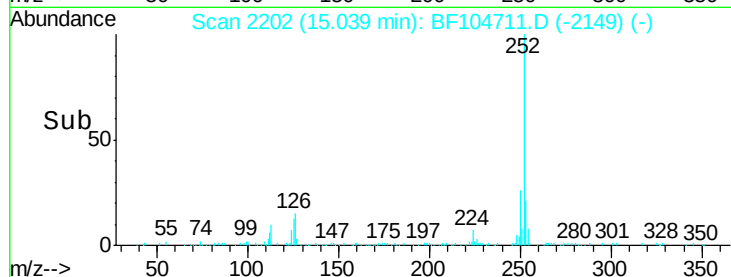
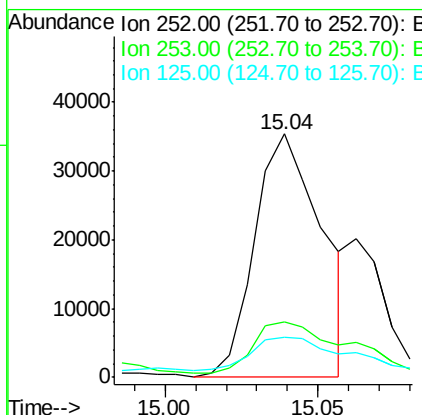
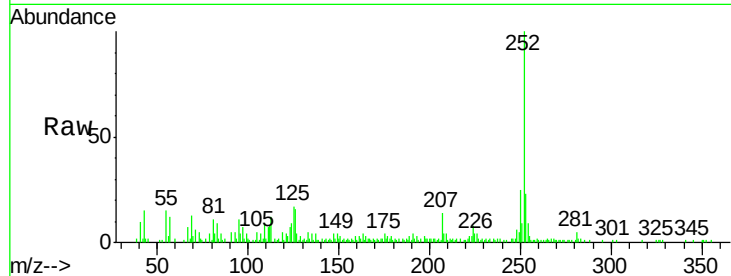
#87
Benzo(b)fluoranthene
Concen: 6.461 ng m
RT: 15.04 min Scan# 2202
Delta R.T. 0.01 min
Lab File: BF104711.D
Acq: 23 Apr 2018 16:00

Instrument :
BNA_F
ClientSampleId :
355-285-279

Tot Ion	Ratio	Lower	Upper
252	100		
253	22.9	17.0	25.6
125	16.7	9.0	13.6

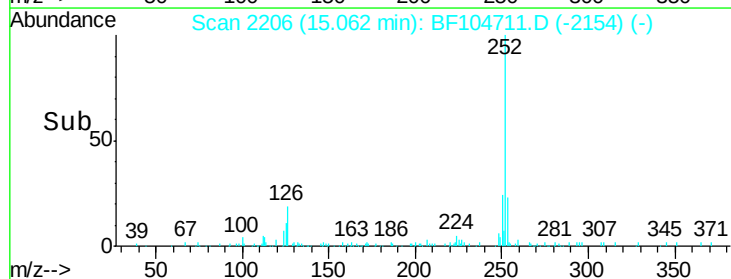
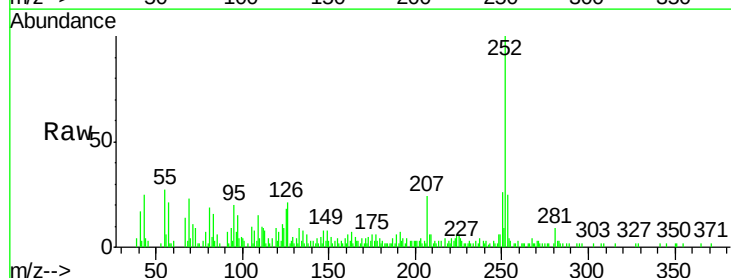
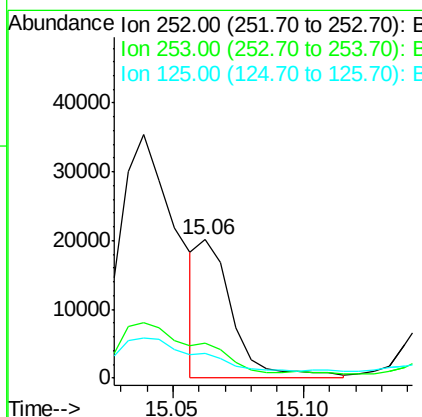
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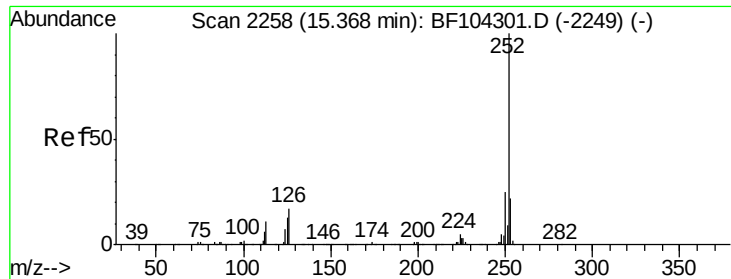
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4/24/2018 3:48:39 PM



#88
Benzo(k)fluoranthene
Concen: 2.365 ng m
RT: 15.06 min Scan# 2206
Delta R.T. 0.01 min
Lab File: BF104711.D
Acq: 23 Apr 2018 16:00

Tgt Ion	Ratio	Lower	Upper
252	100		
253	25.0	17.9	26.9
125	17.7	10.2	15.2





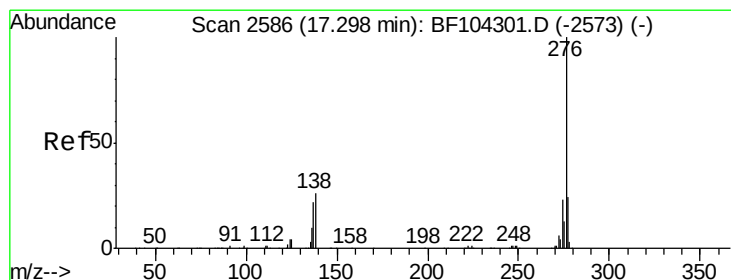
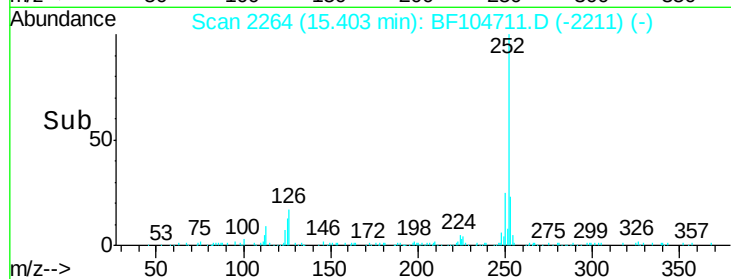
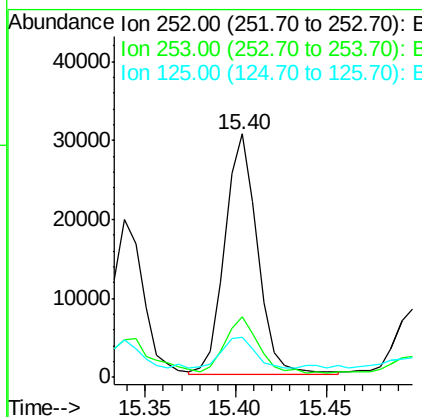
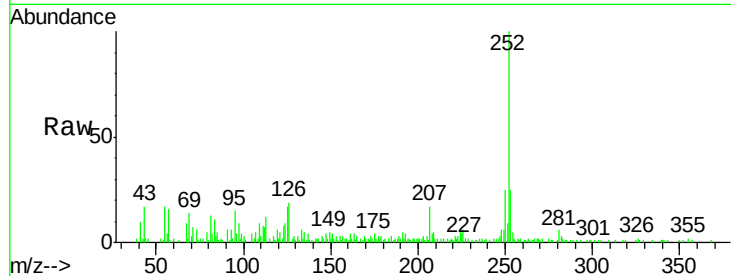
#89
Benzo(a)pyrene
Concen: 5.160 ng
RT: 15.40 min Scan# 2264
Delta R.T. 0.01 min
Lab File: BF104711.D
Acq: 23 Apr 2018 16:00

Instrument :
BNA_F
ClientSampleId :
355-285-279

Tot Ion	Ratio	Lower	Upper
252	100		
253	24.9	17.1	25.7
125	16.5	9.8	14.6

Manual Integrations
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#91
Benzo(g,h,i)perylene
Concen: 3.302 ng
RT: 17.37 min Scan# 2599
Delta R.T. 0.02 min
Lab File: BF104711.D
Acq: 23 Apr 2018 16:00

Tgt Ion	Ratio	Lower	Upper
276	100		
277	23.9	17.9	26.9
138	29.8	21.8	32.8

