

Data Path : Z:\HPCHEM1\BNA F\DATA\BF042318\
 Data File : BF104721.D
 Acq On : 23 Apr 2018 20:29
 Operator : JU/SJ
 Sample : J2499-01RE
 Misc :
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 355-285-279RE

Manual Integrations
 APPROVED

Sohil
 4/24/2018 3:48:59 PM

Quant Time: Apr 24 10:03:03 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	6.80	152	102218	20.00	ng	0.00
21) Naphthalene-d8	8.09	136	391861	20.00	ng	0.00
38) Acenaphthene-d10	9.85	164	153621	20.00	ng	0.00
63) Phenanthrene-d10	11.34	188	253828	20.00	ng	0.00
75) Chrysene-d12	13.99	240	175542	20.00	ng	0.00
86) Perylene-d12	15.46	264	132014	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.43	112	665124	99.49	ng	0.02
7) Phenol-d6	6.46	99	786388	95.74	ng	0.01
23) Nitrobenzene-d5	7.37	82	425560	70.91	ng	0.00
41) 2,4,6-Tribromophenol	10.65	330	151426	95.02	ng	0.00
44) 2-Fluorobiphenyl	9.17	172	731610	75.23	ng	0.00
78) Terphenyl-d14	12.93	244	570467	74.09	ng	0.00
Target Compounds						Qvalue
49) Dimethylphthalate	9.56	163	58526	4.831	ng	98
70) Phenanthrene	11.36	178	174960	12.377	ng	97
71) Anthracene	11.42	178	58212	4.051	ng	99
74) Fluoranthene	12.56	202	204112	13.820	ng	96
77) Pyrene	12.79	202	166854	12.823	ng	98
80) Benzo(a)anthracene	13.97	228	72015	6.867	ng	99
82) Chrysene	14.01	228	58373	5.419	ng	96
85) Indeno(1,2,3-cd)pyrene	16.92	276	21175m	2.314	ng	
87) Benzo(b)fluoranthene	15.03	252	57962m	6.952	ng	
88) Benzo(k)fluoranthene	15.06	252	15842m	2.013	ng	
89) Benzo(a)pyrene	15.39	252	38418	5.150	ng	# 88
91) Benzo(a,h,i)perylene	17.36	276	19426	3.273	ng	# 92

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

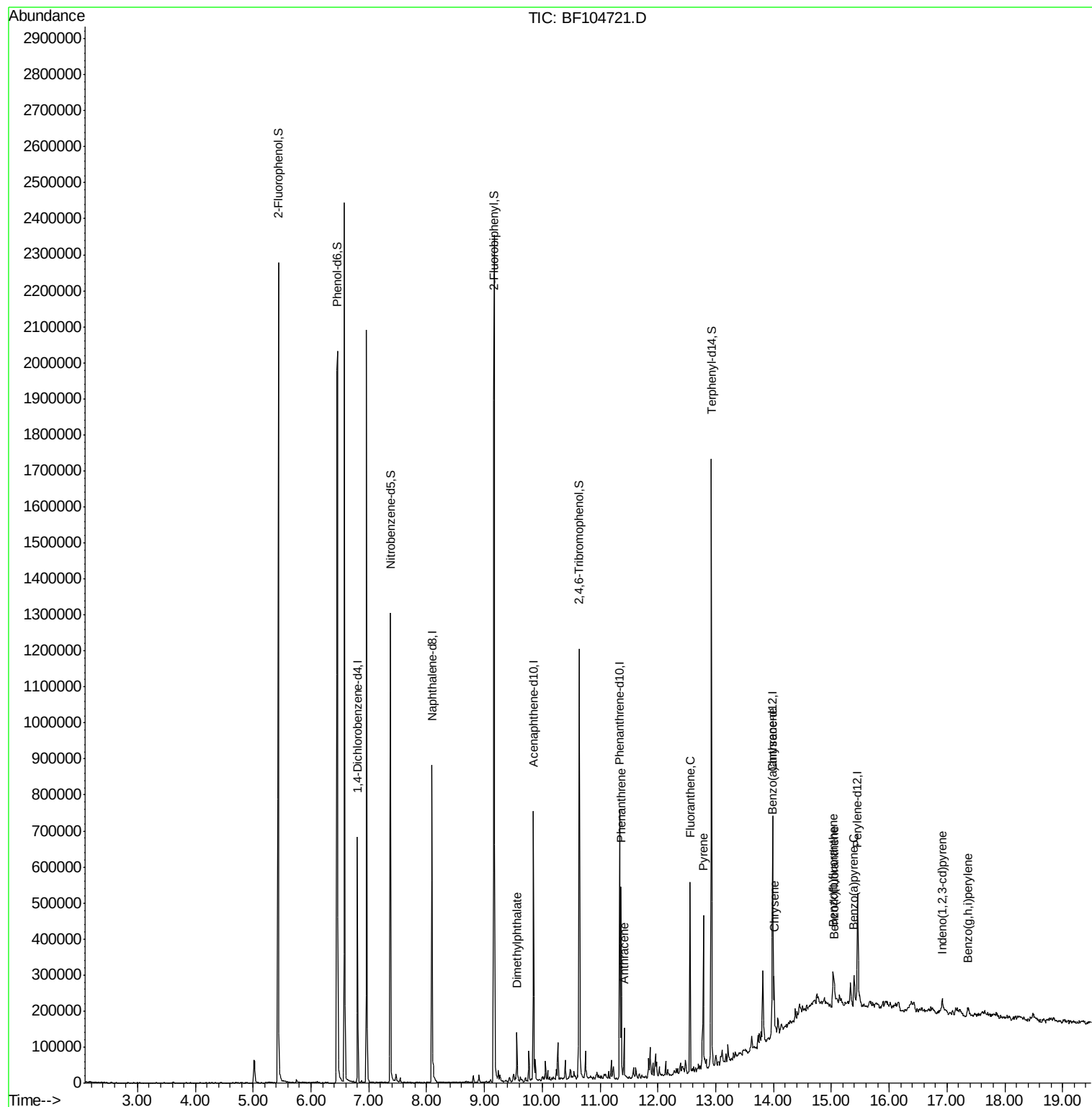
Data Path : Z:\HPCHEM1\BNA F\DATA\BF042318\
Data File : BF104721.D
Acq On : 23 Apr 2018 20:29
Operator : JU/SJ
Sample : J2499-01RE
Misc :
ALS Vial : 24 Sample Multiplier: 1

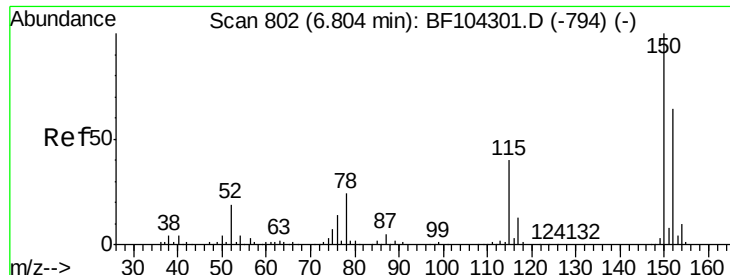
Instrument :
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Quant Time: Apr 24 10:03:03 2018
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF040618.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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#1

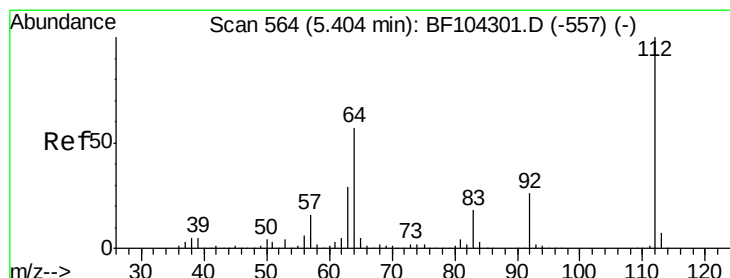
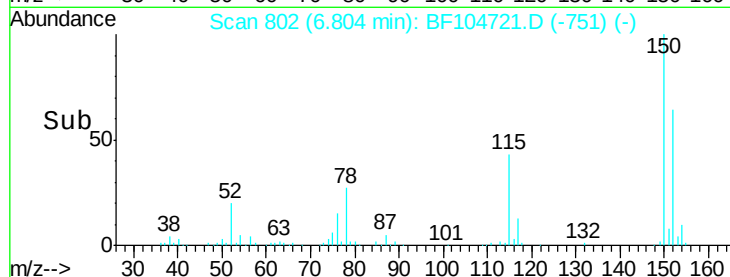
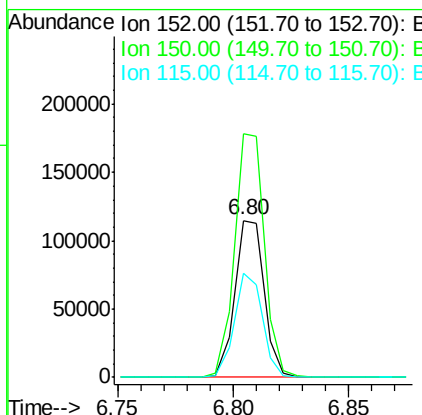
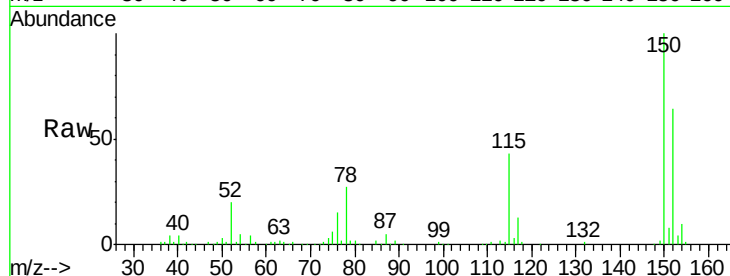
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.80 min Scan# 802
Delta R.T. -0.00 min
Lab File: BF104721.D
Acq: 23 Apr 2018 20:29

Instrument :
BNA_F
ClientSampleId :
355-285-279RE

Tot Ion	Ratio	Lower	Upper
152	100		
150	155.3	124.6	186.8
115	66.7	50.1	75.1

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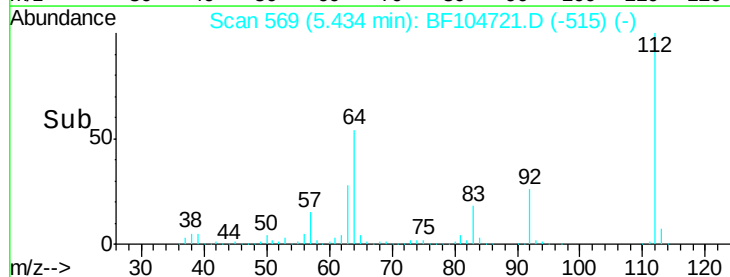
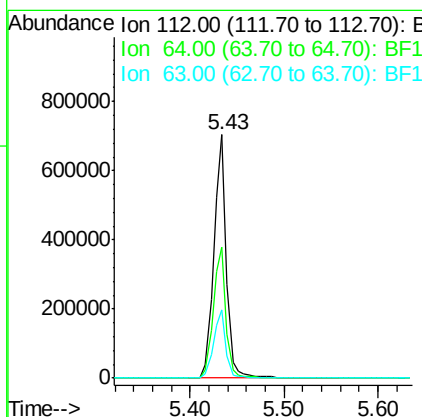
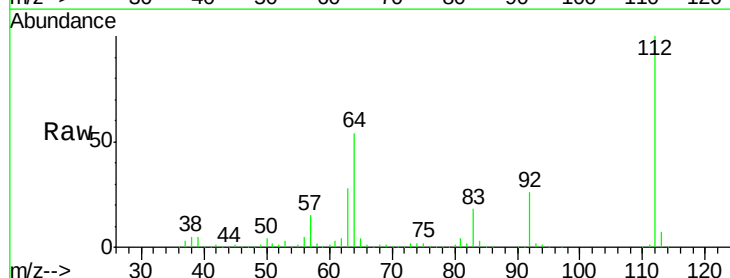
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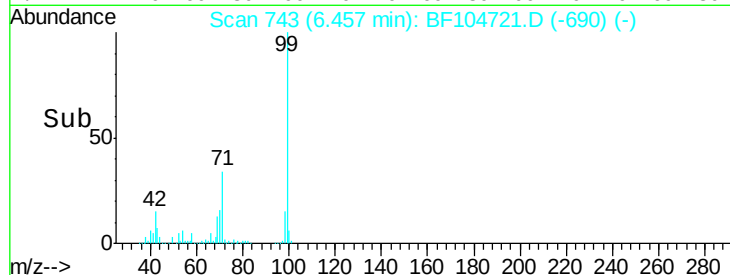
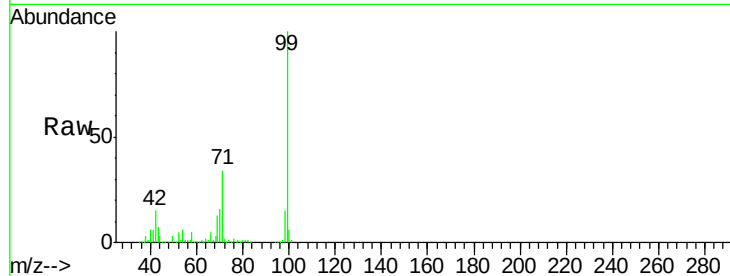
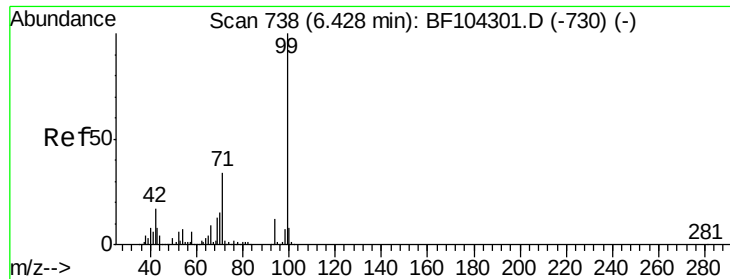


#5

2-Fluorophenol
Concen: 99.494 ng
RT: 5.43 min Scan# 569
Delta R.T. 0.02 min
Lab File: BF104721.D
Acq: 23 Apr 2018 20:29

Tgt Ion	Ratio	Lower	Upper
112	100		
64	53.8	47.9	71.9
63	27.9	23.7	35.5





#7

Phenol-d6

Concen: 95.741 ng

RT: 6.46 min Scan# 743

Delta R.T. 0.01 min

Lab File: BF104721.D

Acq: 23 Apr 2018 20:29

Tot Ion	Ion	Ratio	Resp	Lower	Upper
99	100		786388		
42	15.2	14.5	21.7		
71	33.9	25.4	38.0		

Instrument :

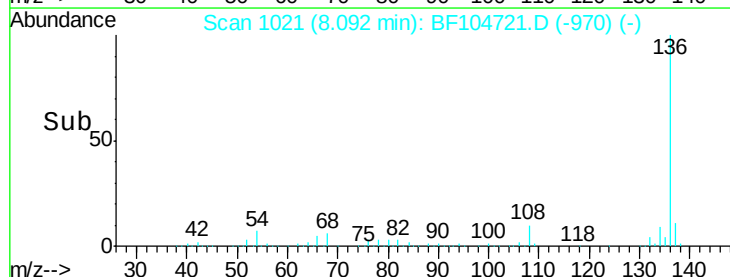
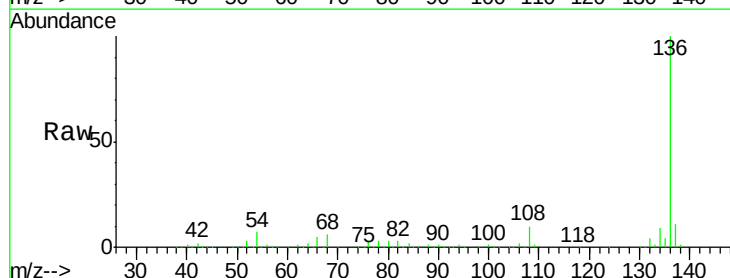
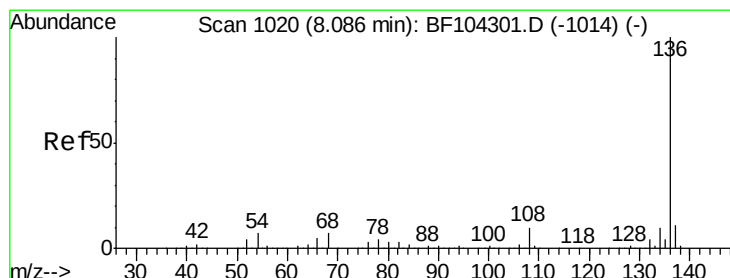
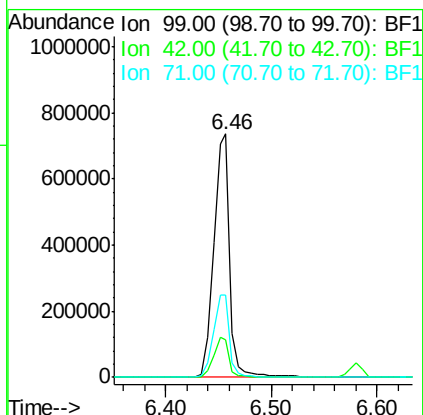
BNA_F

ClientSampled :

355-285-279RE

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#21

Naphthalene-d8

Concen: 20.000 ng

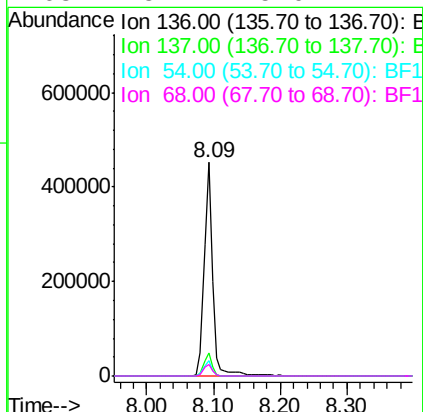
RT: 8.09 min Scan# 1021

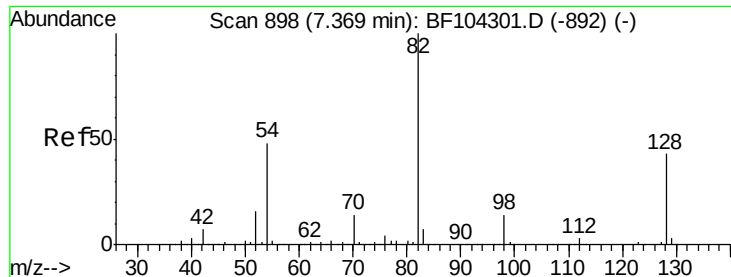
Delta R.T. -0.00 min

Lab File: BF104721.D

Acq: 23 Apr 2018 20:29

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
136	100		391861		
137	10.9	8.9	13.3		
54	7.0	6.6	9.8		
68	5.7	5.0	7.4		





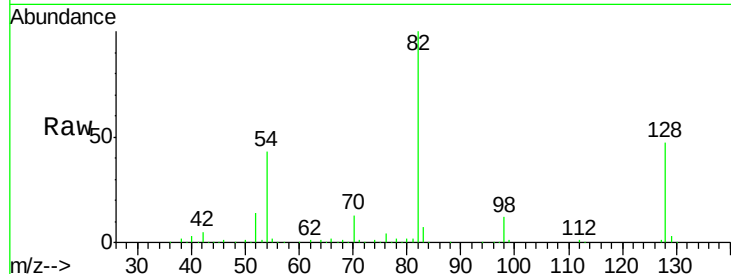
#23
 Nitrobenzene-d5
 Concen: 70.914 ng
 RT: 7.37 min Scan# 899
 Delta R.T. -0.00 min
 Lab File: BF104721.D
 Acq: 23 Apr 2018 20:29

Instrument :
 BNA_F
 ClientSampleId :
 355-285-279RE

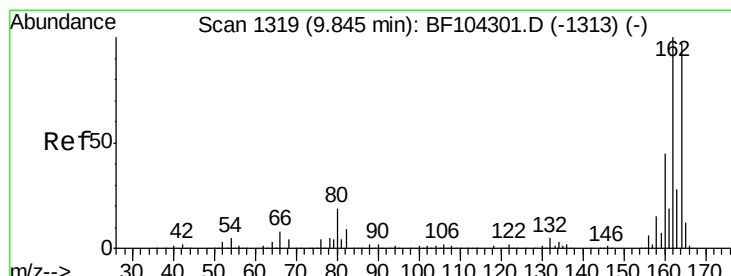
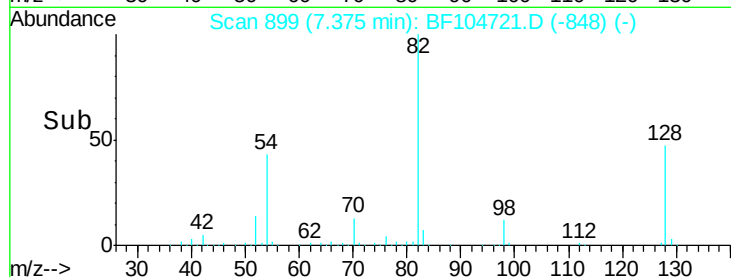
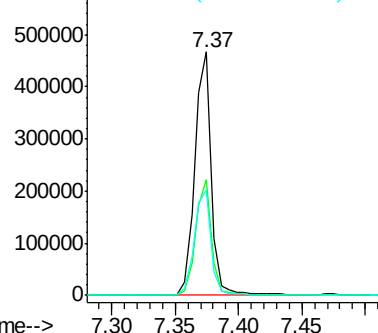
Tot Ion	Ratio	Lower	Upper
82	100		
128	47.5	36.1	54.1
54	43.5	41.4	62.2

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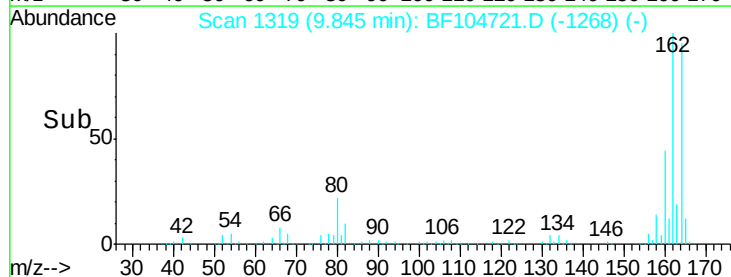
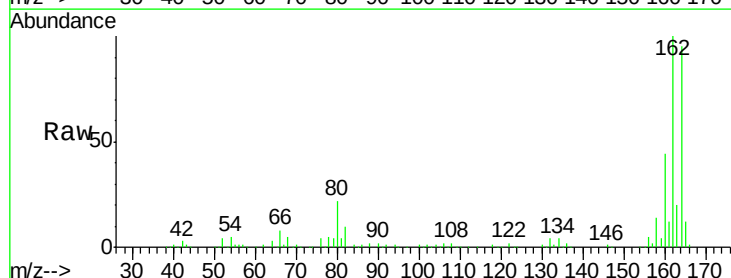
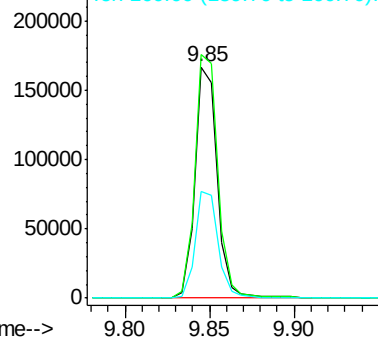
Abundance Ion 82.00 (81.70 to 82.70): BF1
 Ion 128.00 (127.70 to 128.70): BF1
 Ion 54.00 (53.70 to 54.70): BF1

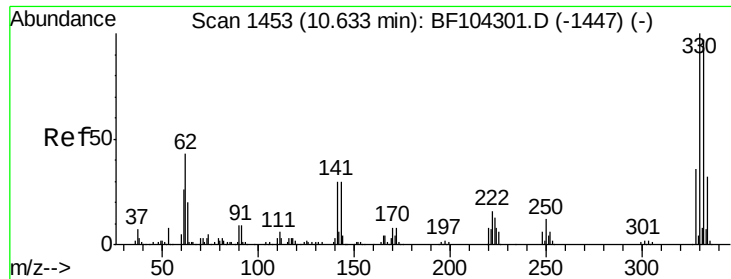


#38
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.85 min Scan# 1319
 Delta R.T. -0.00 min
 Lab File: BF104721.D
 Acq: 23 Apr 2018 20:29

Tgt Ion	Ratio	Lower	Upper
164	100		
162	105.5	86.1	129.1
160	46.4	38.3	57.5

Abundance Ion 164.00 (163.70 to 164.70): E
 Ion 162.00 (161.70 to 162.70): E
 Ion 160.00 (159.70 to 160.70): E





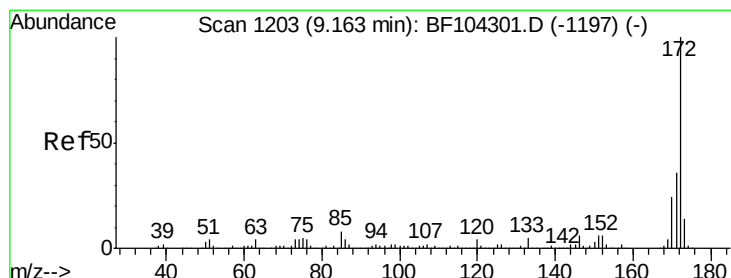
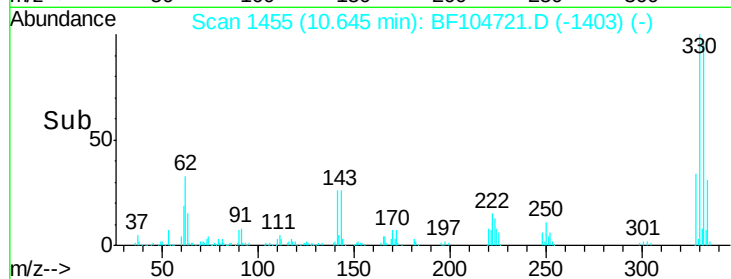
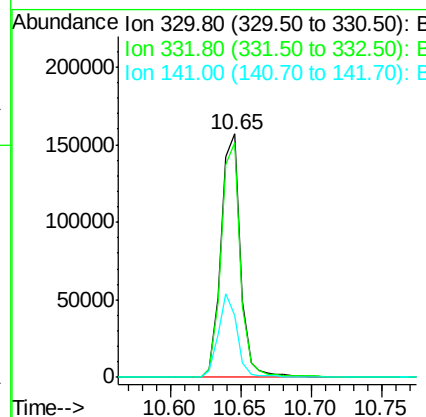
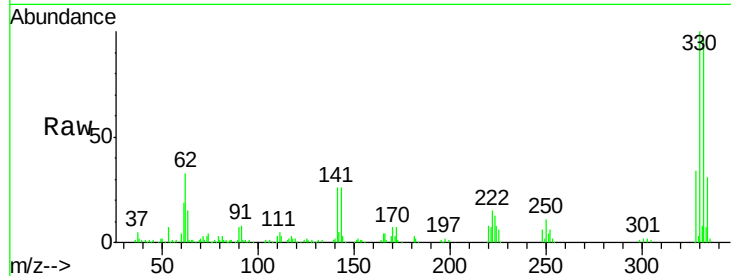
#41
 2,4,6-Tribromophenol
 Concen: 95.024 ng
 RT: 10.65 min Scan# 1455
 Delta R.T. 0.01 min
 Lab File: BF104721.D
 Acq: 23 Apr 2018 20:29

Instrument :
 BNA_F
 ClientSampleId :
 355-285-279RE

Tot Ion	Ratio	Resp	Lower	Upper
330	100			
332	95.9	77.0	115.6	
141	33.4	29.9	44.9	

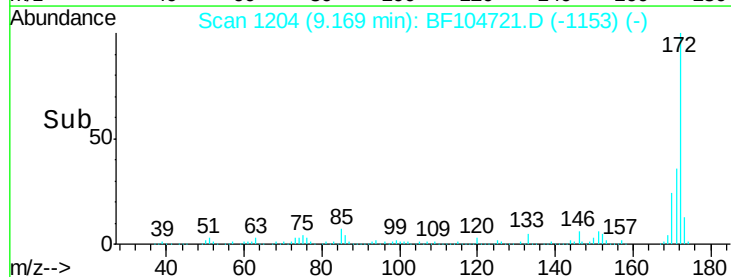
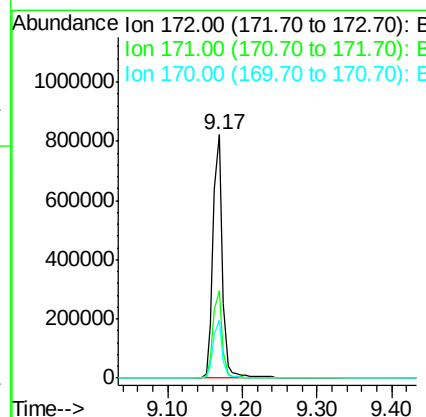
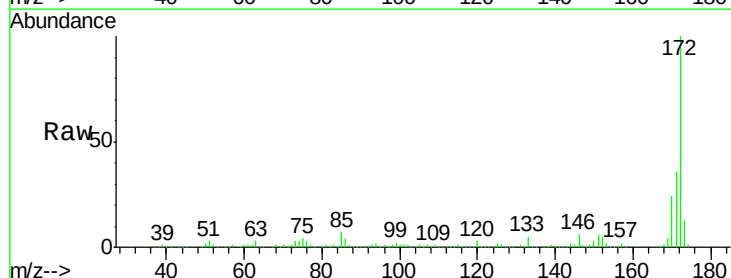
Manual Integrations
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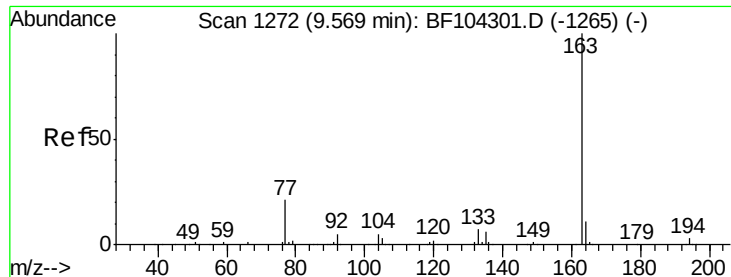
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#44
 2-Fluorobiphenyl
 Concen: 75.235 ng
 RT: 9.17 min Scan# 1204
 Delta R.T. -0.00 min
 Lab File: BF104721.D
 Acq: 23 Apr 2018 20:29

Tgt Ion	Ratio	Resp	Lower	Upper
172	100			
171	35.7	29.7	44.5	
170	23.8	19.6	29.4	





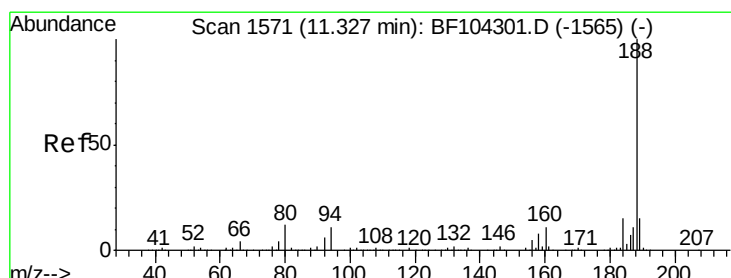
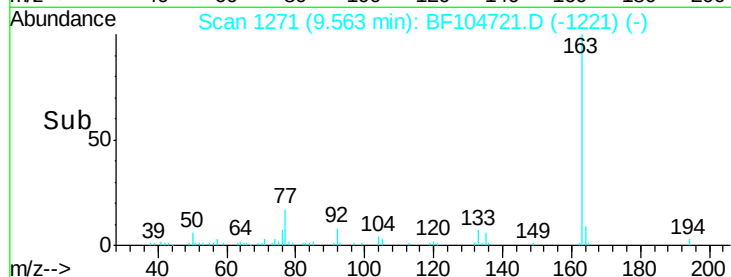
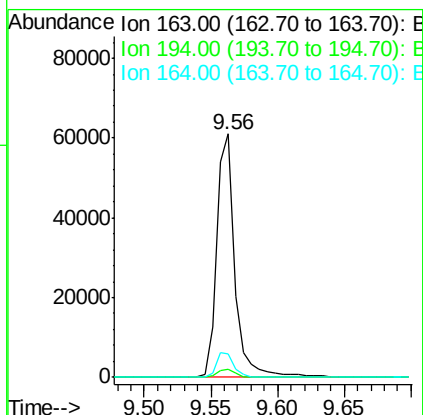
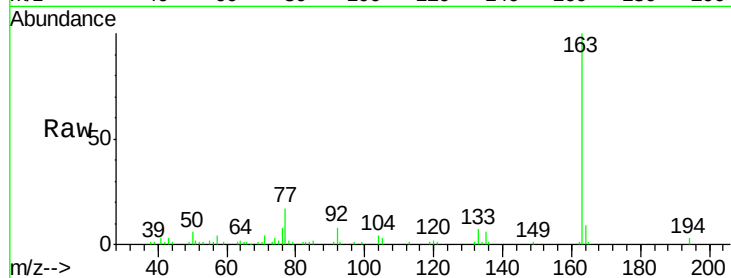
#49
Dimethylphthalate
Concen: 4.831 ng
RT: 9.56 min Scan# 1271
Delta R.T. -0.01 min
Lab File: BF104721.D
Acq: 23 Apr 2018 20:29

Instrument :
BNA_F
ClientSampleId :
355-285-279RE

Tot Ion	Ratio	Lower	Upper
163	100		
194	3.5	2.7	4.1
164	9.5	8.2	12.2

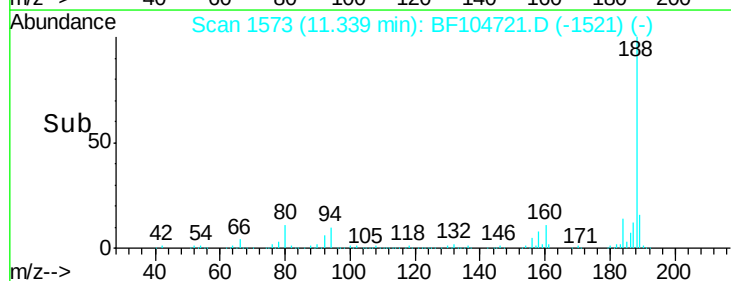
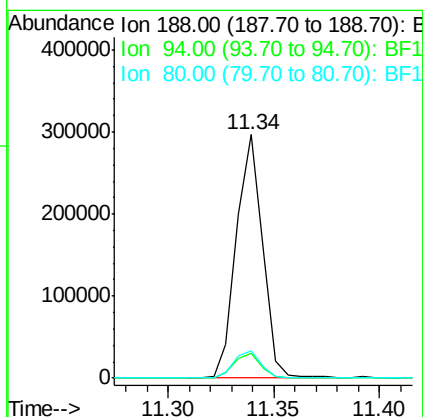
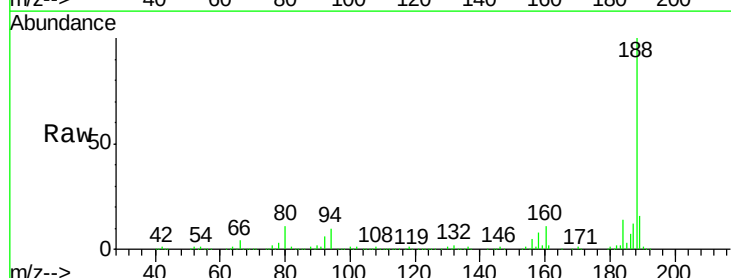
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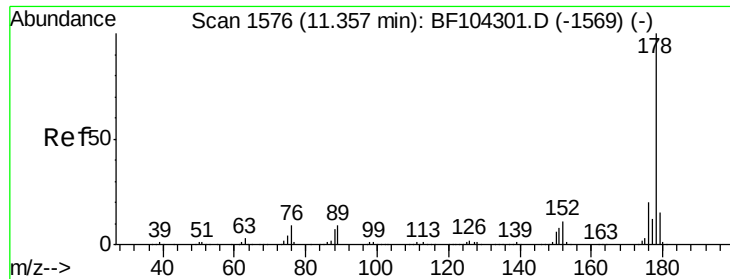
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#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.34 min Scan# 1573
Delta R.T. 0.01 min
Lab File: BF104721.D
Acq: 23 Apr 2018 20:29

Tgt Ion	Ratio	Lower	Upper
188	100		
94	10.1	8.5	12.7
80	11.0	9.2	13.8





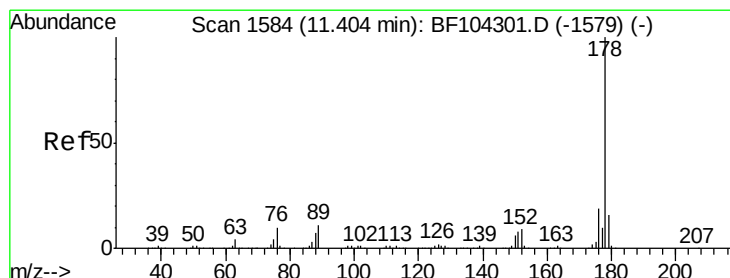
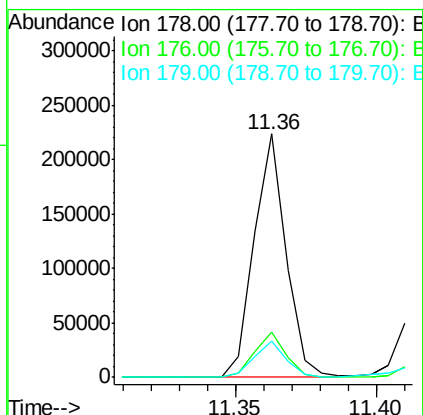
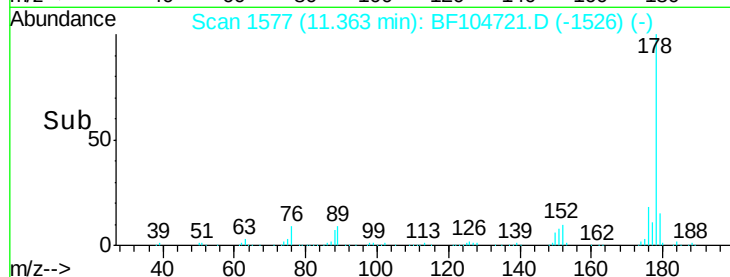
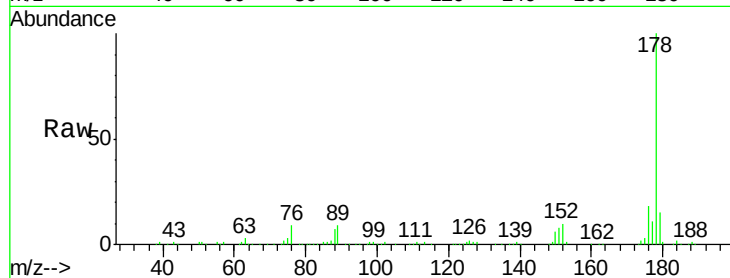
#70
Phenanthrene
Concen: 12.377 ng
RT: 11.36 min Scan# 1577
Delta R.T. -0.00 min
Lab File: BF104721.D
Acq: 23 Apr 2018 20:29

Instrument :
BNA_F
ClientSampleId :
355-285-279RE

Tot Ion	Ratio	Lower	Upper
178	100		
176	18.5	15.8	23.8
179	14.9	13.0	19.6

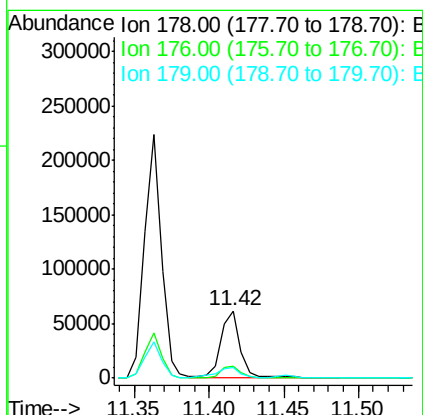
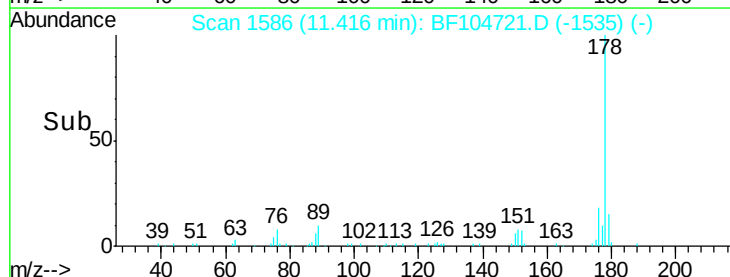
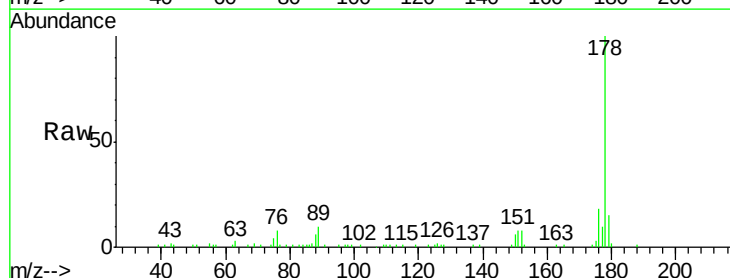
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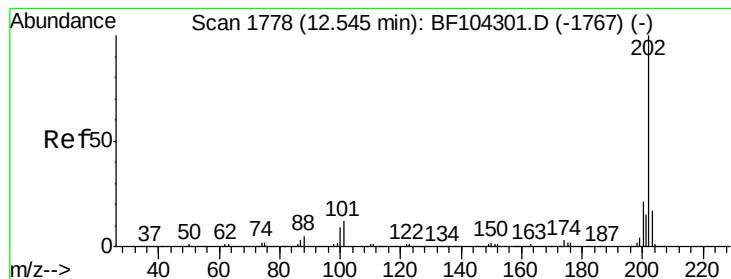
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#71
Anthracene
Concen: 4.051 ng
RT: 11.42 min Scan# 1586
Delta R.T. -0.00 min
Lab File: BF104721.D
Acq: 23 Apr 2018 20:29

Tgt Ion	Ratio	Lower	Upper
178	100		
176	18.4	15.4	23.2
179	15.5	12.6	19.0





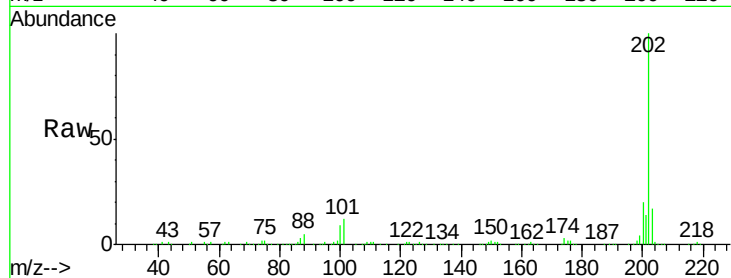
#74
 Fluoranthene
 Concen: 13.820 ng
 RT: 12.56 min Scan# 1780
 Delta R.T. 0.01 min
 Lab File: BF104721.D
 Acq: 23 Apr 2018 20:29

Instrument :
 BNA_F
 ClientSampleId :
 355-285-279RE

Tot Ion	Ratio	Resp Lower	Upper
202	100		
101	11.8	0.0	34.1
203	16.7	0.0	38.1

Manual Integrations
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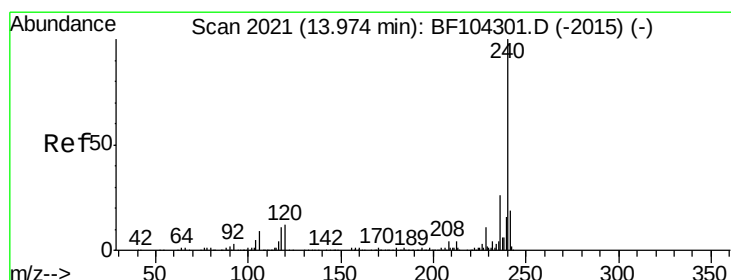
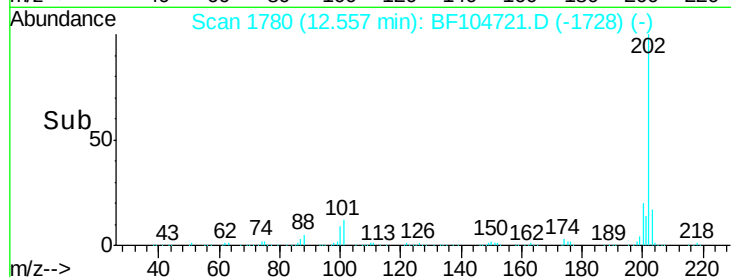
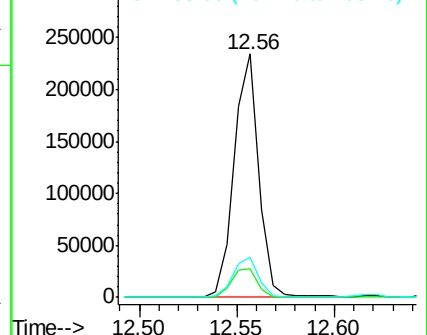


Abundance

Ion 202.00 (201.70 to 202.70): E

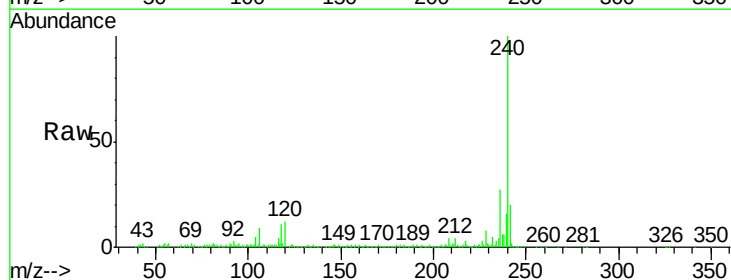
Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E



#75
 Chrysene-d12
 Concen: 20.000 ng
 RT: 13.99 min Scan# 2023
 Delta R.T. -0.00 min
 Lab File: BF104721.D
 Acq: 23 Apr 2018 20:29

Tgt Ion	Ratio	Resp Lower	Upper
240	100		
120	12.5	9.5	14.3
236	26.7	20.7	31.1

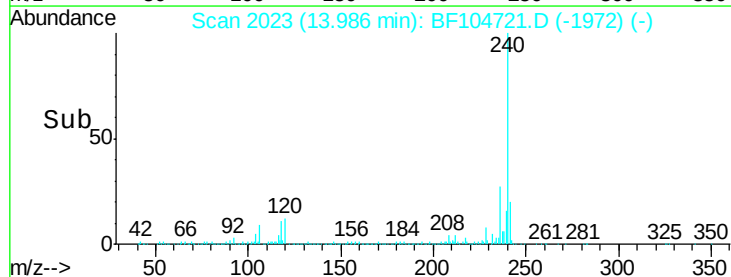
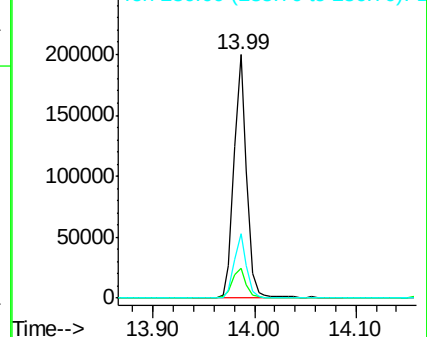


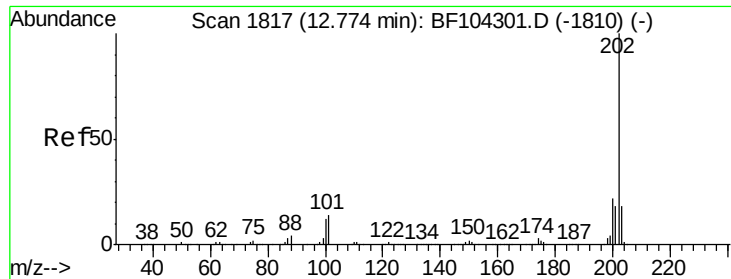
Abundance

Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#77

Pvrene

Concen: 12.823 ng

RT: 12.79 min Scan# 1819

Delta R.T. 0.01 min

Lab File: BF104721.D

Acq: 23 Apr 2018 20:29

Instrument :

BNA_F

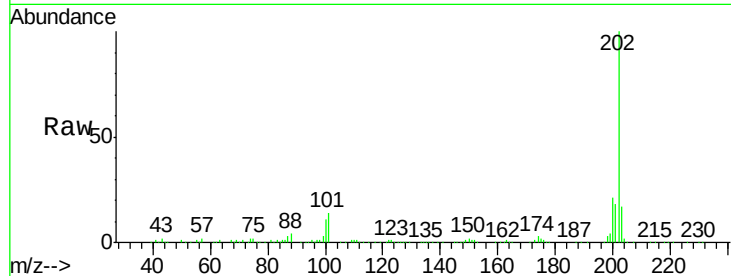
ClientSampleId :

355-285-279RE

Tot Ion:	202	Resp:	166854
Ion Ratio		Lower	Upper
202	100		
200	20.7	17.4	26.2
203	16.9	14.3	21.5

Manual Integrations
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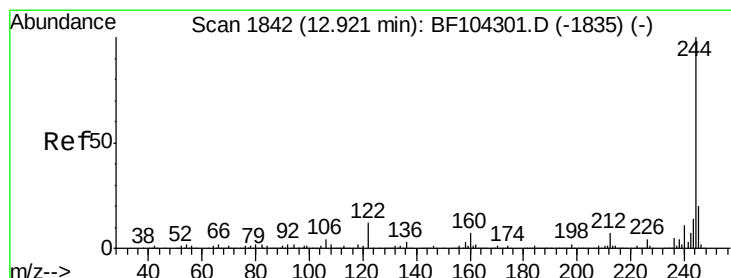
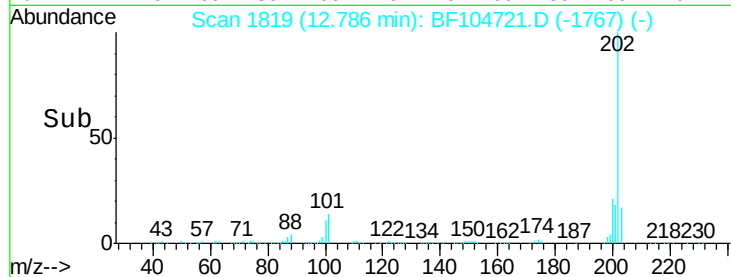
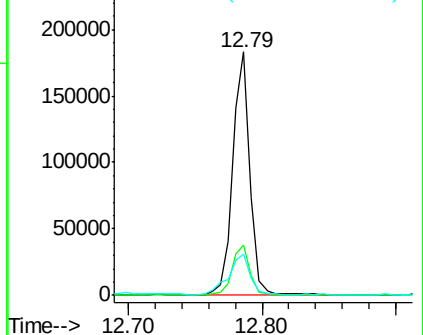
Sohil
4/24/2018 3:48:59 PM



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: 74.089 ng

RT: 12.93 min Scan# 1843

Delta R.T. 0.01 min

Lab File: BF104721.D

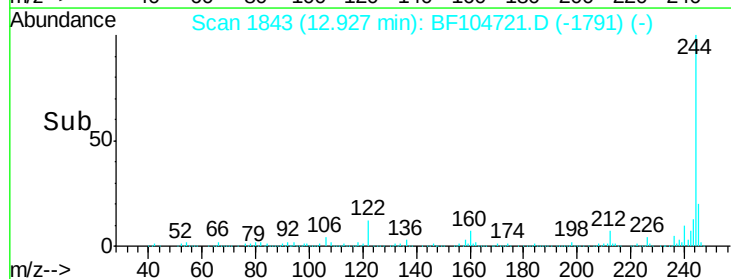
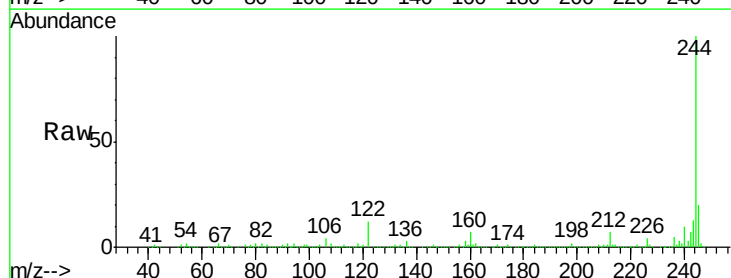
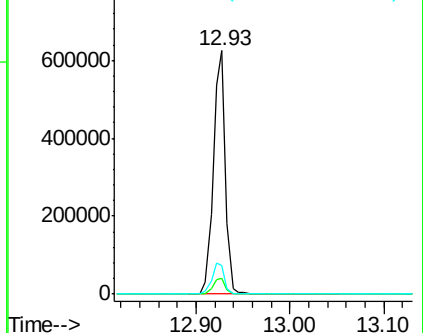
Acq: 23 Apr 2018 20:29

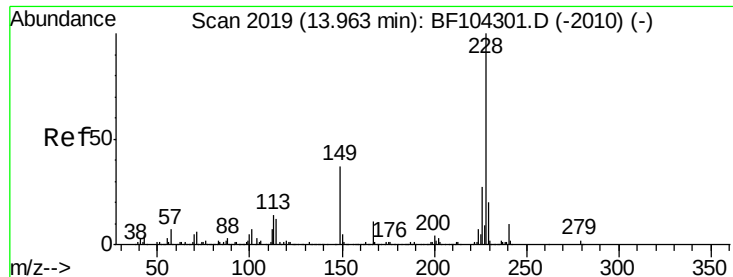
Tgt Ion:	244	Resp:	570467
Ion Ratio		Lower	Upper
244	100		
212	6.6	5.4	8.0
122	11.5	11.0	16.4

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





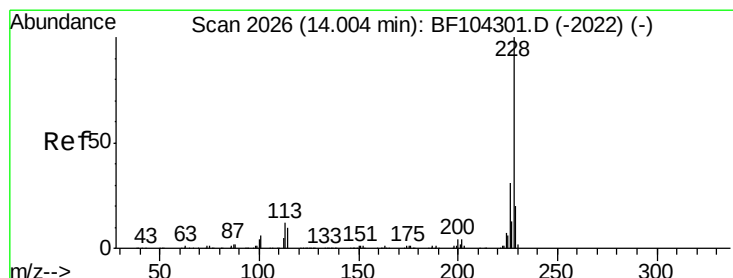
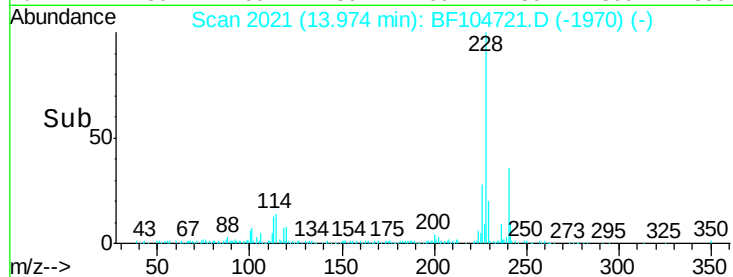
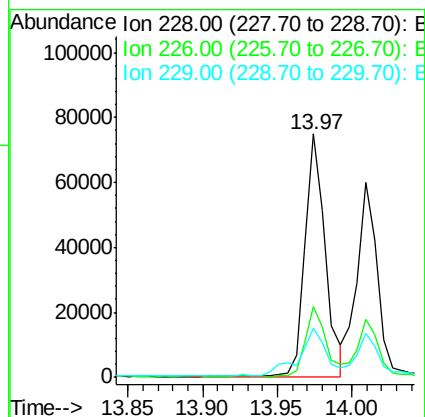
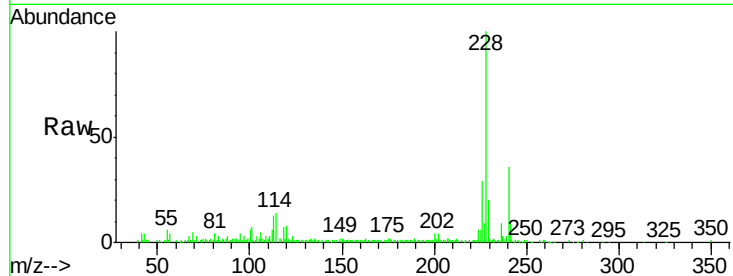
#80
Benzo(a)anthracene
Concen: 6.867 ng
RT: 13.97 min Scan# 2021
Delta R.T. -0.00 min
Lab File: BF104721.D
Acq: 23 Apr 2018 20:29

Instrument :
BNA_F
ClientSampleId :
355-285-279RE

Tot Ion:	228	Resp:	72015
Ion	Ratio	Lower	Upper
228	100		
226	28.9	22.6	33.8
229	20.3	15.8	23.6

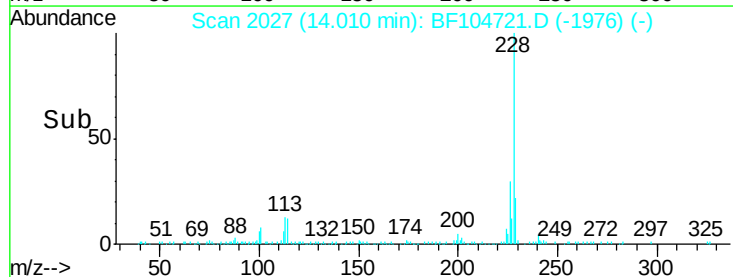
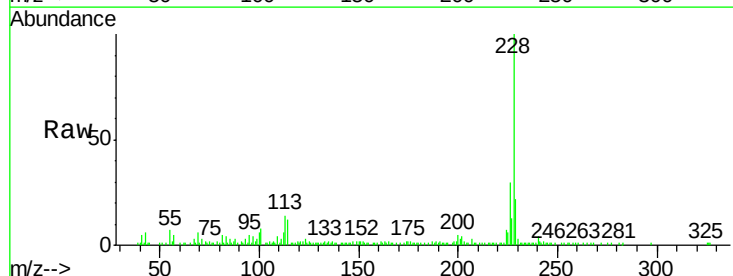
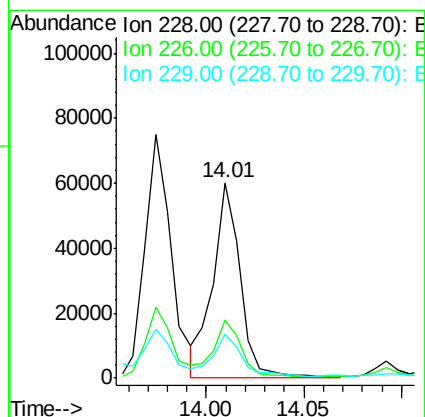
Manual Integrations
APPROVED

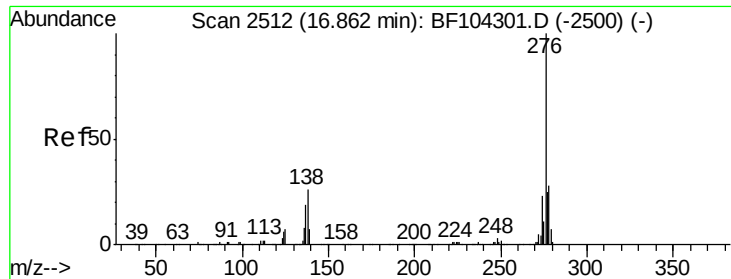
Sohil
4/24/2018 3:48:59 PM



#82
Chrysene
Concen: 5.419 ng
RT: 14.01 min Scan# 2027
Delta R.T. -0.00 min
Lab File: BF104721.D
Acq: 23 Apr 2018 20:29

Tgt Ion:	228	Resp:	58373
Ion	Ratio	Lower	Upper
228	100		
226	29.6	25.0	37.6
229	22.2	16.2	24.4





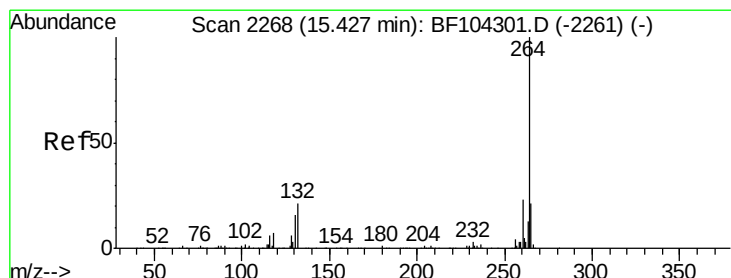
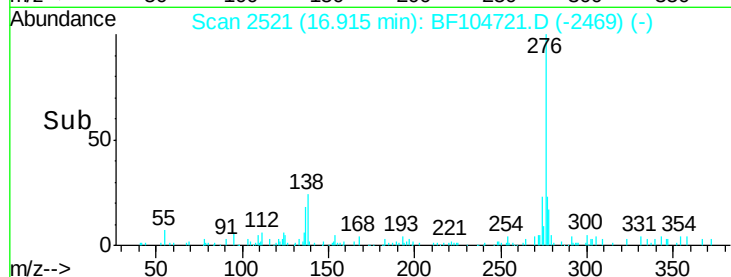
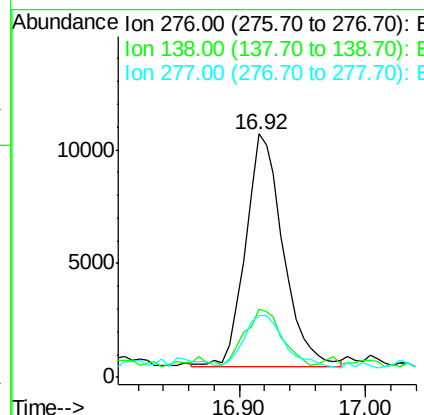
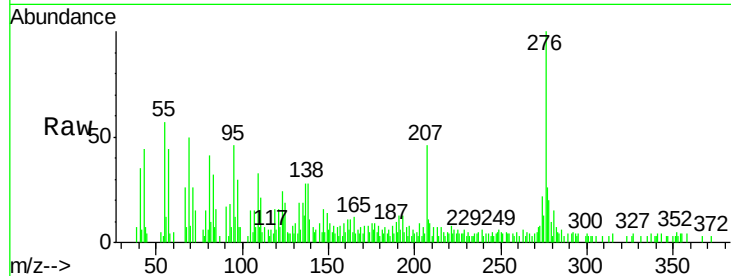
#85
Indeno(1,2,3-cd)pyrene
Concen: 2.314 ng
RT: 16.92 min Scan# 2521
Delta R.T. 0.01 min
Lab File: BF104721.D
Acq: 23 Apr 2018 20:29

Instrument :
BNA_F
ClientSampled :
355-285-279RE

Tot Ion	Ratio	Lower	Upper
276	100		
138	6.3	25.0	37.6#
277	4.8	20.1	30.1#

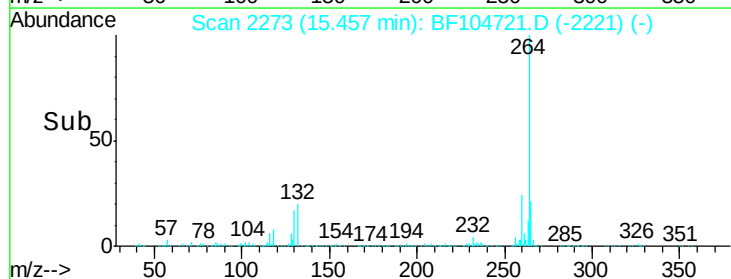
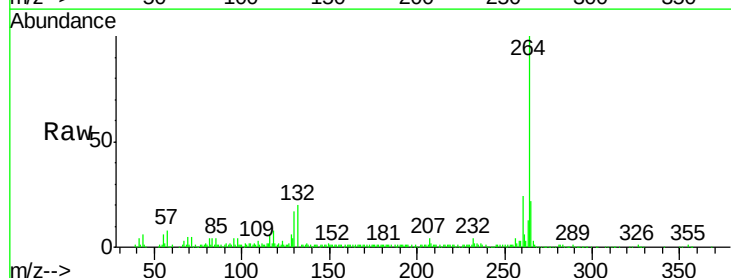
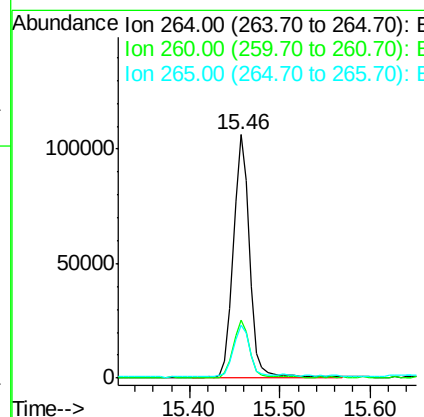
Manual Integrations
APPROVED

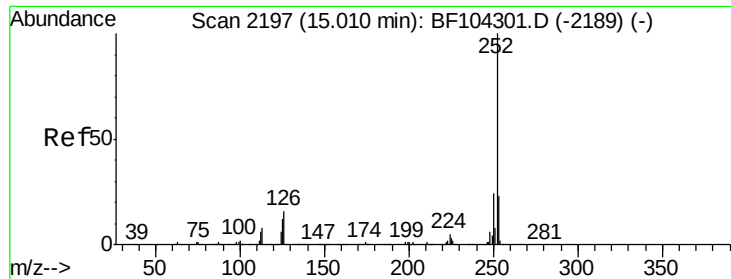
Sohil
4/24/2018 3:48:59 PM



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.46 min Scan# 2273
Delta R.T. 0.01 min
Lab File: BF104721.D
Acq: 23 Apr 2018 20:29

Tgt Ion	Ratio	Lower	Upper
264	100		
260	23.9	19.2	28.8
265	21.6	17.5	26.3





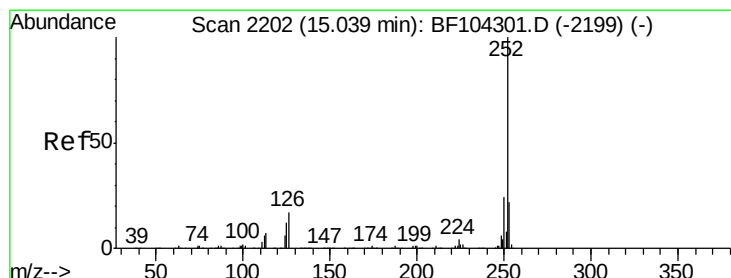
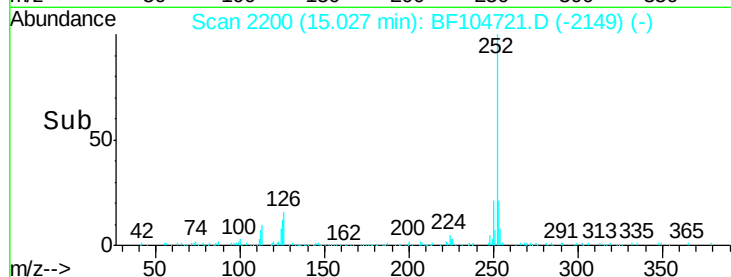
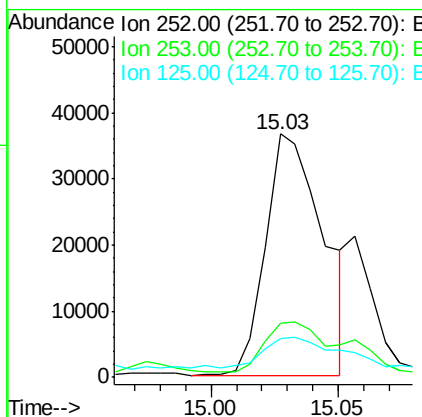
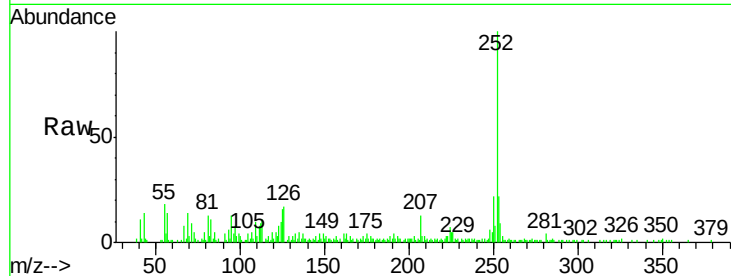
#87
Benzo(b)fluoranthene
Concen: 6.952 ng m
RT: 15.03 min Scan# 2200
Delta R.T. -0.00 min
Lab File: BF104721.D
Acq: 23 Apr 2018 20:29

Instrument :
BNA_F
ClientSampleId :
355-285-279RE

Tot Ion	Ratio	Lower	Upper
252	100		
253	22.1	17.0	25.6
125	15.8	9.0	13.6

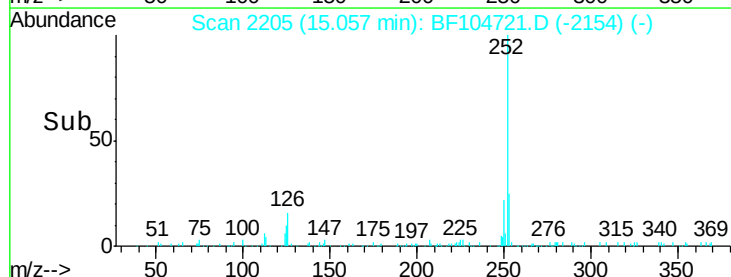
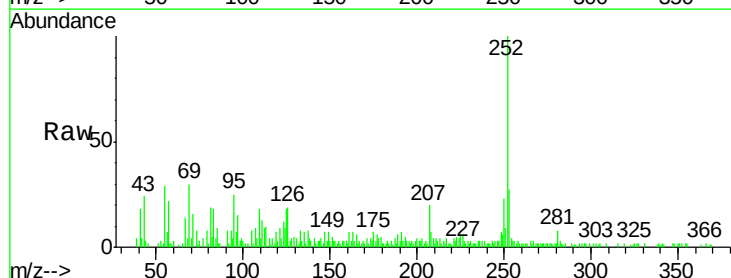
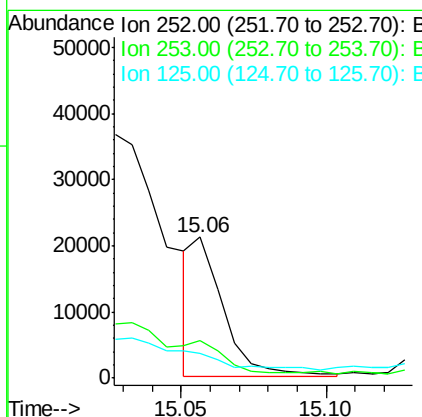
Manual Integrations
APPROVED

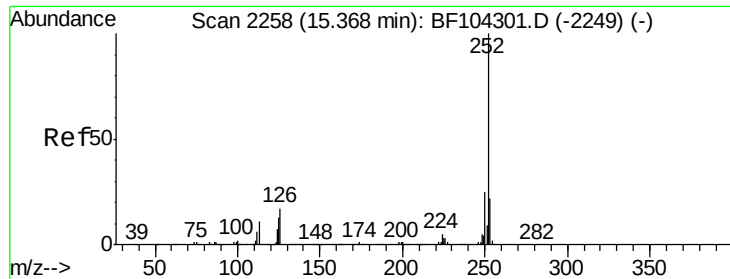
Sohil
4/24/2018 3:48:59 PM



#88
Benzo(k)fluoranthene
Concen: 2.013 ng m
RT: 15.06 min Scan# 2205
Delta R.T. -0.00 min
Lab File: BF104721.D
Acq: 23 Apr 2018 20:29

Tgt Ion	Ratio	Lower	Upper
252	100		
253	26.7	17.9	26.9
125	17.9	10.2	15.2





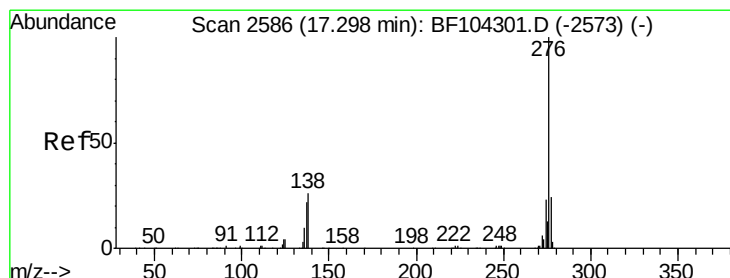
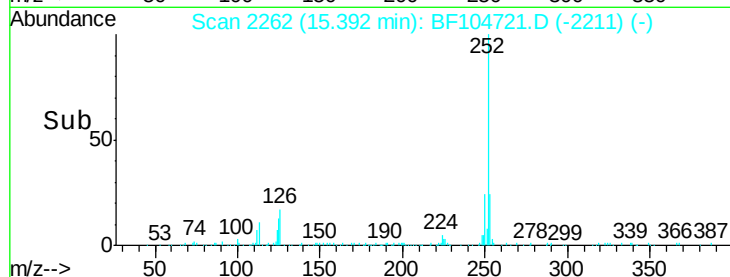
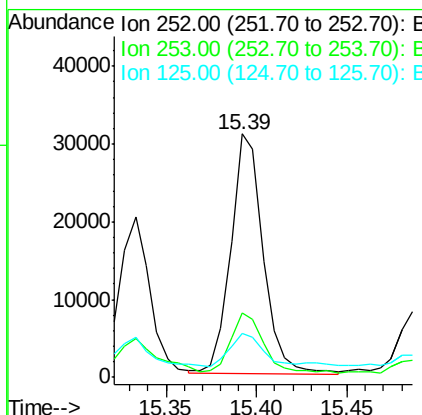
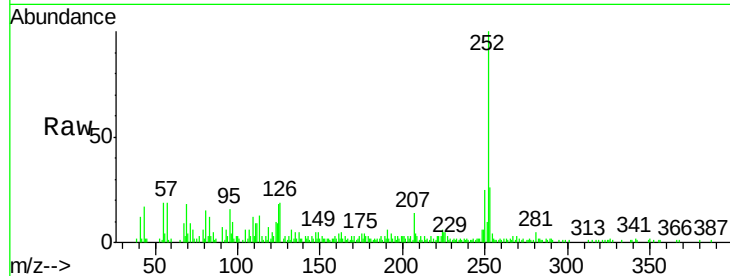
#89
Benzo(a)pyrene
Concen: 5.150 ng
RT: 15.39 min Scan# 2262
Delta R.T. -0.00 min
Lab File: BF104721.D
Acq: 23 Apr 2018 20:29

Instrument :
BNA_F
ClientSampleId :
355-285-279RE

Tot Ion	Ratio	Lower	Upper
252	100		
253	26.3	17.1	25.7#
125	18.1	9.8	14.6#

Manual Integrations
APPROVED

Sohil
4/24/2018 3:48:59 PM



#91
Benzo(g,h,i)perylene
Concen: 3.273 ng
RT: 17.36 min Scan# 2597
Delta R.T. 0.01 min
Lab File: BF104721.D
Acq: 23 Apr 2018 20:29

Tgt Ion	Ratio	Lower	Upper
276	100		
277	27.9	17.9	26.9#
138	30.4	21.8	32.8

