

Data Path : Z:\HPCHEM1\BNA F\DATA\BF040418\
 Data File : BF104240.D
 Acq On : 4 Apr 2018 21:54
 Operator : JU/SJ
 Sample : J2207-01
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SP-1

Manual Integrations
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Sohil
 4/5/2018 4:39:07 PM

Quant Time: Apr 05 09:32:23 2018
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF032818.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Apr 04 18:06:58 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.95	152	118420	20.00	ng	0.00
21) Naphthalene-d8	8.23	136	507989	20.00	ng	0.00
38) Acenaphthene-d10	9.99	164	213456	20.00	ng	0.00
63) Phenanthrene-d10	11.49	188	323471	20.00	ng	0.00
75) Chrysene-d12	14.14	240	236809	20.00	ng	0.00
86) Perylene-d12	15.68	264	201368	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.59	112	832273	112.08	ng	0.00
7) Phenol-d6	6.59	99	1117063	122.27	ng	-0.01
23) Nitrobenzene-d5	7.52	82	654403	78.78	ng	0.00
41) 2,4,6-Tribromophenol	10.79	330	230960	97.17	ng	0.00
44) 2-Fluorobiphenyl	9.30	172	1131408	83.58	ng	0.00
78) Terphenyl-d14	13.07	244	788374	76.87	ng	0.00
Target Compounds						
49) Dimethylphthalate	9.69	163	101103	5.999	ng	99
70) Phenanthrene	11.51	178	205266	11.721	ng	98
71) Anthracene	11.57	178	65480	3.580	ng	97
74) Fluoranthene	12.70	202	383242	20.587	ng	98
77) Pyrene	12.93	202	332863	19.553	ng	98
80) Benzo(a)anthracene	14.13	228	179862	12.138	ng	98
82) Chrysene	14.17	228	170564	11.752	ng	96
83) Bis(2-ethylhexyl)phthalate	14.08	149	30293	2.923	ng	99
85) Indeno(1,2,3-cd)pyrene	17.27	276	67989	4.521	ng	# 89
87) Benzo(b)fluoranthene	15.22	252	189875m	15.494	ng	
88) Benzo(k)fluoranthene	15.24	252	84598m	7.328	ng	
89) Benzo(a)pyrene	15.62	252	134580	11.850	ng	97
91) Benzo(a,h,i)perylene	17.75	276	61414	5.839	ng	91

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

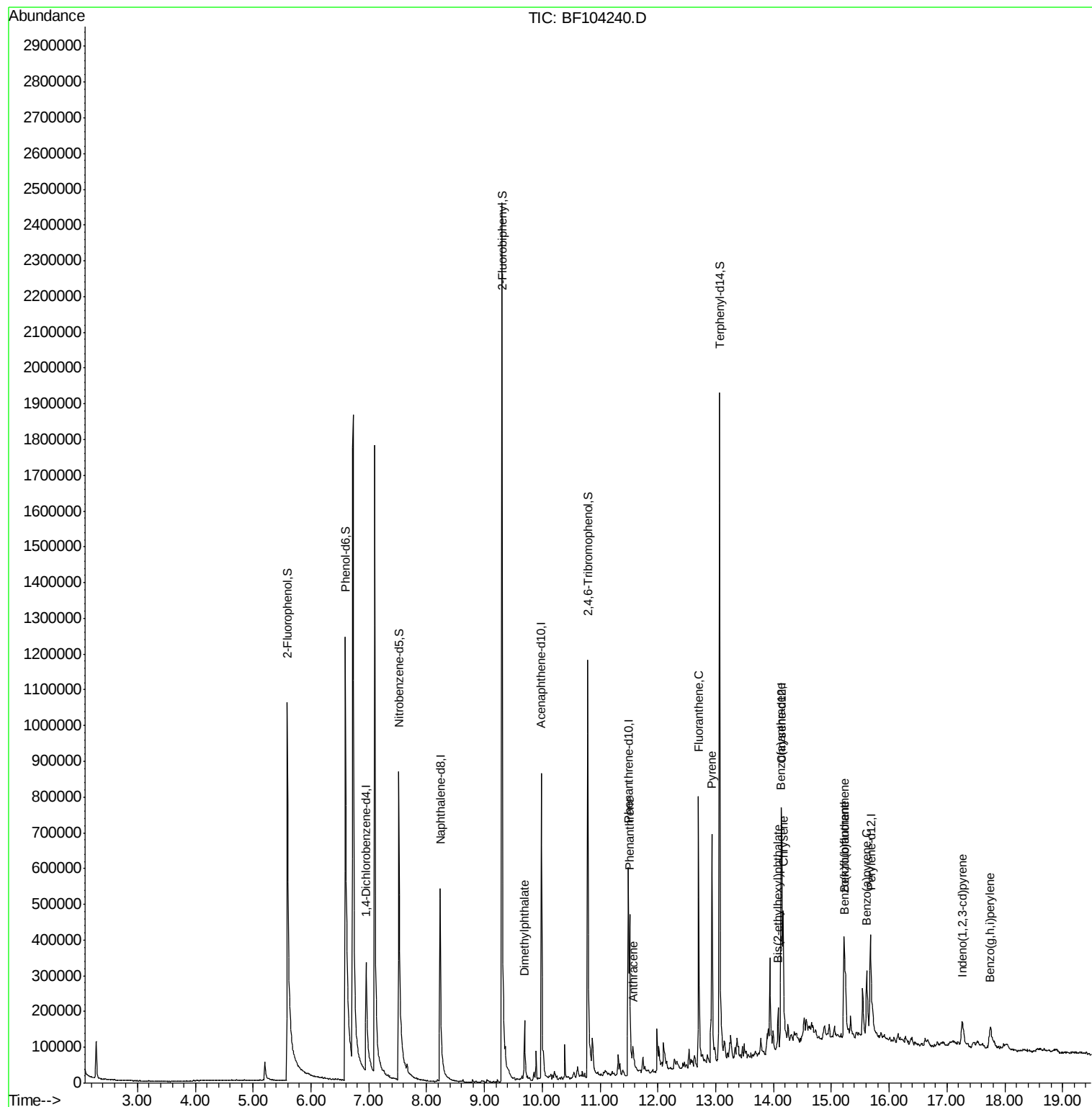
Data Path : Z:\HPCHEM1\BNA F\DATA\BF040418\
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Response via : Initial Calibration





#1

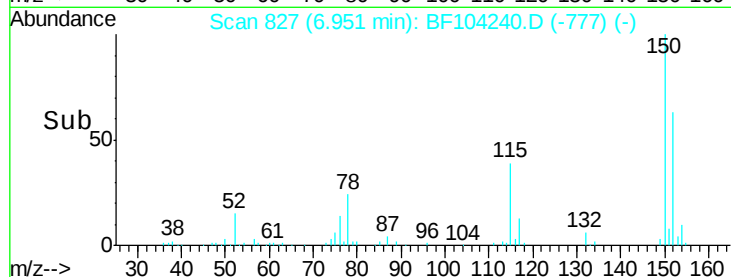
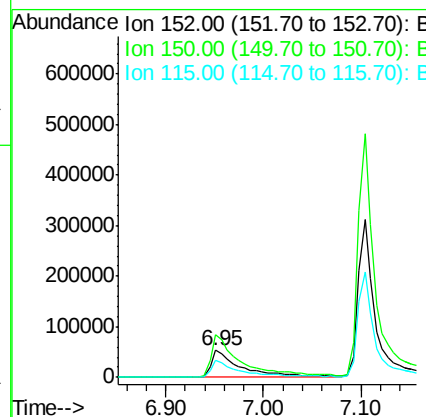
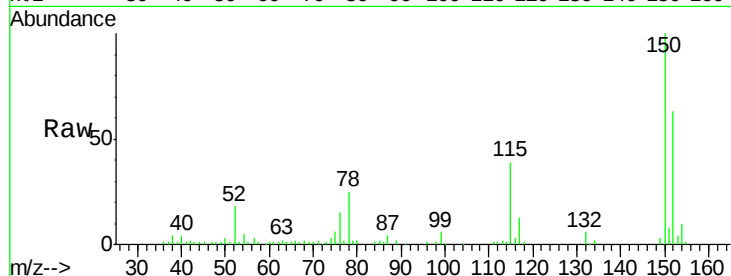
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.95 min Scan# 827
Delta R.T. -0.01 min
Lab File: BF104240.D
Acq: 4 Apr 2018 21:54

Instrument :
BNA_F
ClientSampled :
SP-1

Tot Ion	Ratio	Lower	Upper
152	100		
150	158.6	124.6	186.8
115	62.2	50.1	75.1

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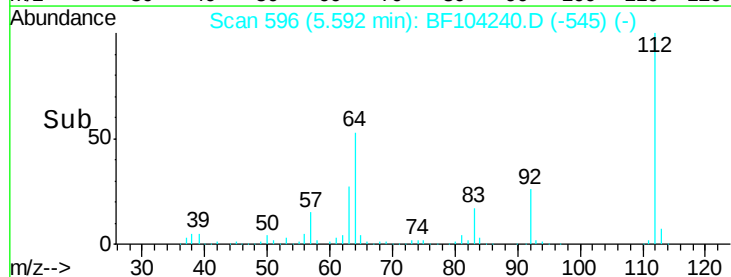
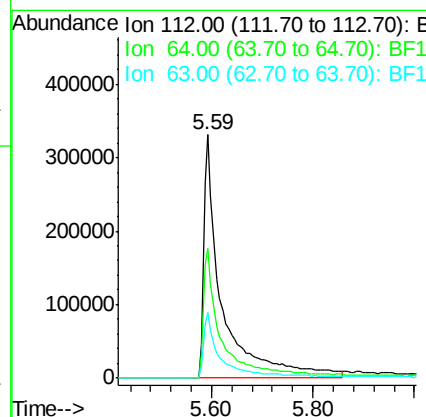
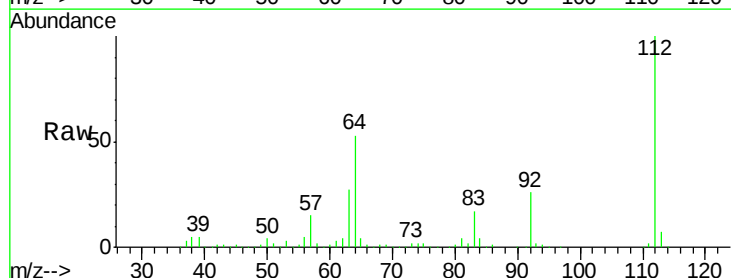
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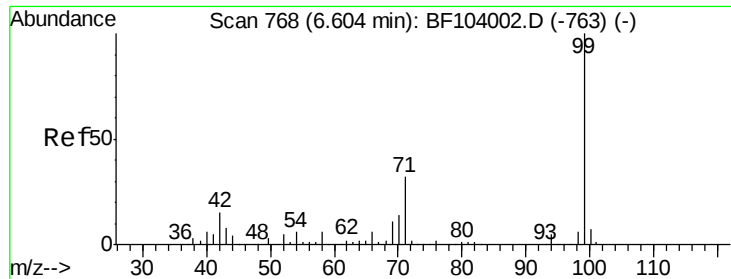


#5

2-Fluorophenol
Concen: 112.081 ng
RT: 5.59 min Scan# 596
Delta R.T. -0.00 min
Lab File: BF104240.D
Acq: 4 Apr 2018 21:54

Tgt Ion	Ratio	Lower	Upper
112	100		
64	53.4	47.9	71.9
63	27.0	23.7	35.5





#7

Phenol-d6

Concen: 122.274 ng

RT: 6.59 min Scan# 766

Delta R.T. -0.01 min

Lab File: BF104240.D

Acq: 4 Apr 2018 21:54

Instrument :

BNA_F

ClientSampled :

SP-1

Tot Ion: 99 Resp: 1117063

Ion Ratio Lower Upper

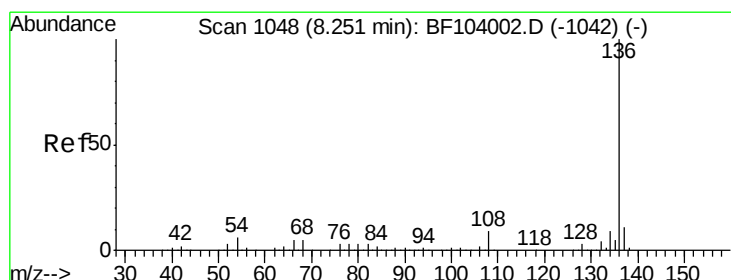
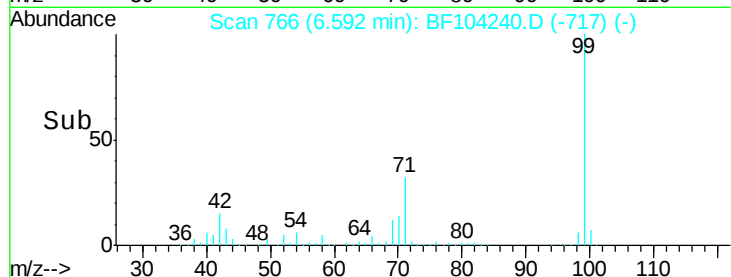
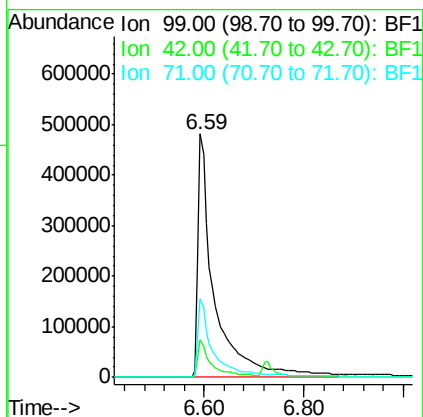
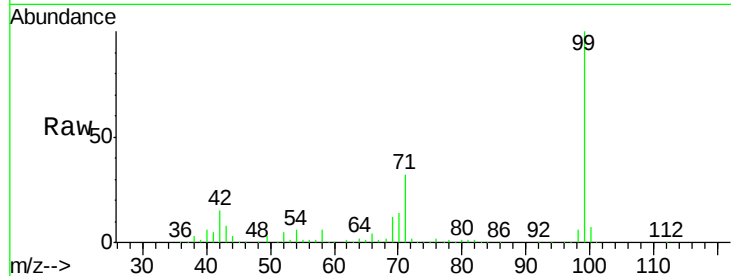
99 100

42 15.2 14.5 21.7

71 32.1 25.4 38.0

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#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.23 min Scan# 1045

Delta R.T. -0.00 min

Lab File: BF104240.D

Acq: 4 Apr 2018 21:54

Tgt Ion: 136 Resp: 507989

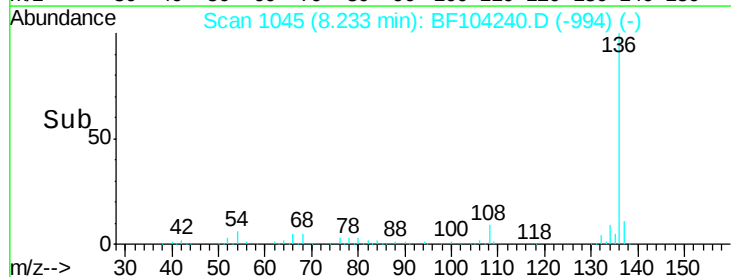
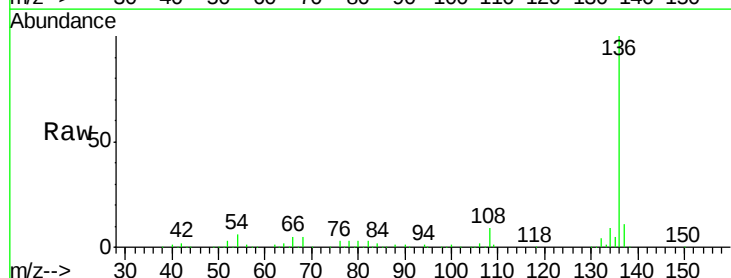
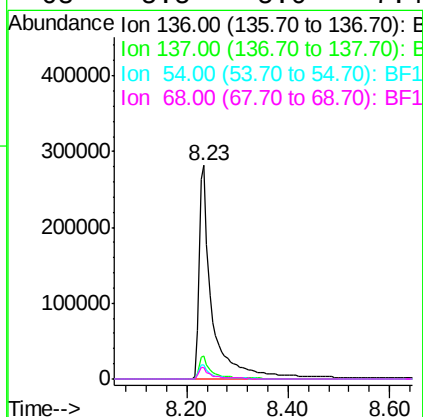
Ion Ratio Lower Upper

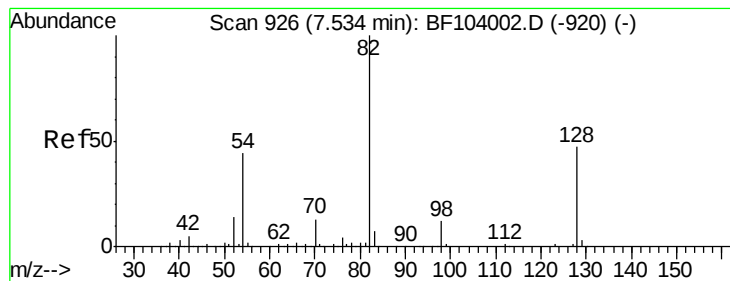
136 100

137 10.9 8.9 13.3

54 6.4 6.6 9.8#

68 5.5 5.0 7.4





#23

Nitrobenzene-d5

Concen: 78.782 ng

RT: 7.52 min Scan# 923

Delta R.T. -0.01 min

Lab File: BF104240.D

Acq: 4 Apr 2018 21:54

Instrument :

BNA_F

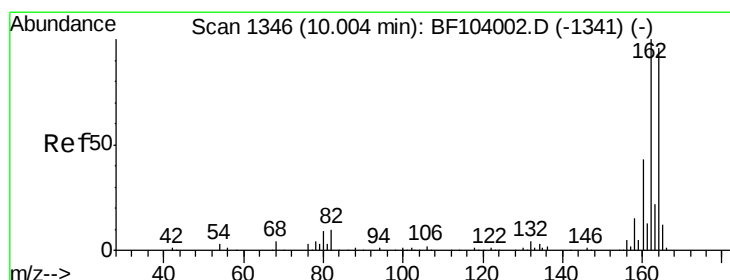
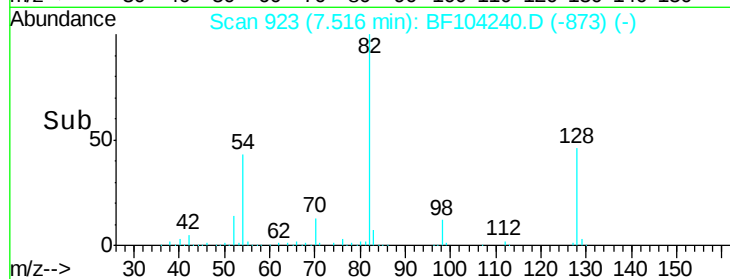
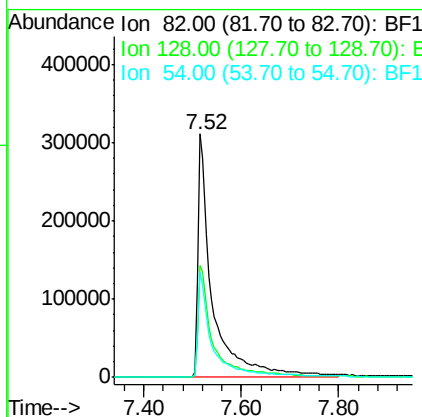
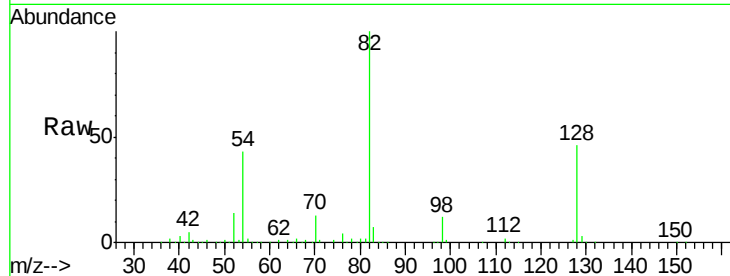
ClientSampled :

SP-1

Tot Ion:	82	Resp:	654403
Ion Ratio	Lower	Upper	
82	100		
128	45.7	36.1	54.1
54	43.1	41.4	62.2

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#38

Acenaphthene-d10

Concen: 20.000 ng

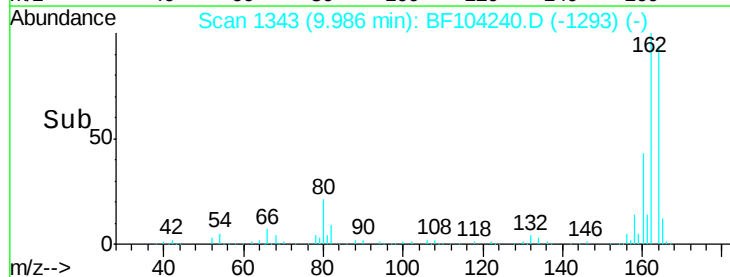
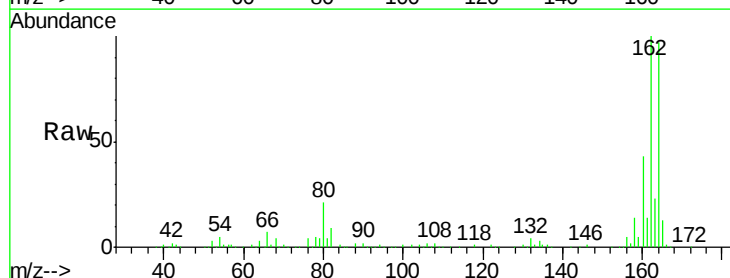
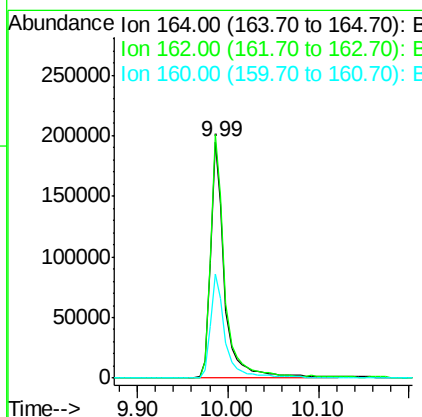
RT: 9.99 min Scan# 1343

Delta R.T. -0.01 min

Lab File: BF104240.D

Acq: 4 Apr 2018 21:54

Tgt Ion:	164	Resp:	213456
Ion Ratio	Lower	Upper	
164	100		
162	102.9	86.1	129.1
160	44.1	38.3	57.5





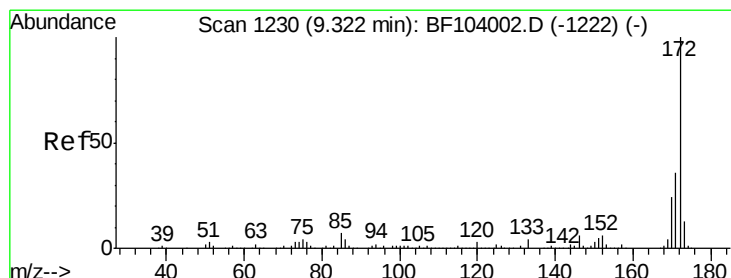
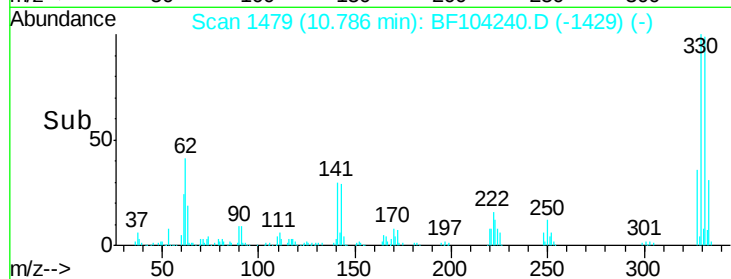
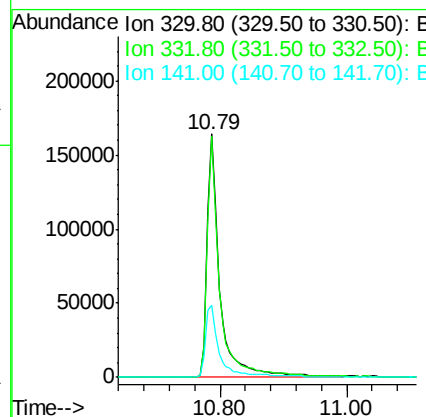
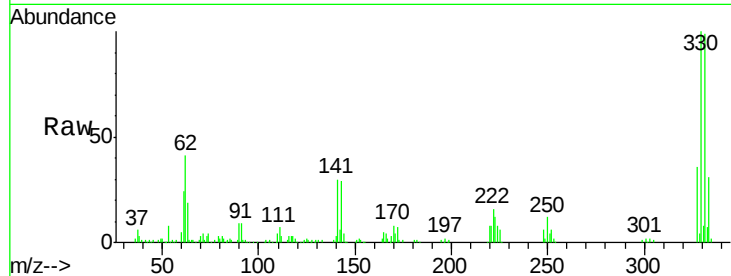
#41
 2,4,6-Tribromophenol
 Concen: 97.171 ng
 RT: 10.79 min Scan# 1479
 Delta R.T. -0.01 min
 Lab File: BF104240.D
 Acq: 4 Apr 2018 21:54

Instrument :
 BNA_F
 ClientSampled :
 SP-1

Tot Ion	Ratio	Resp	Lower	Upper
330	100	230960		
332	96.1	77.0	115.6	
141	31.8	29.9	44.9	

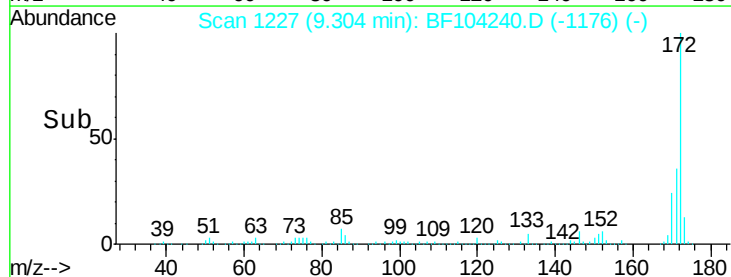
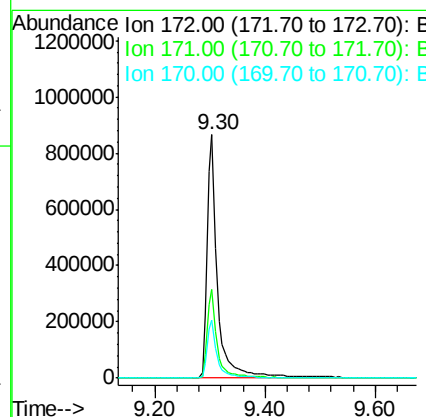
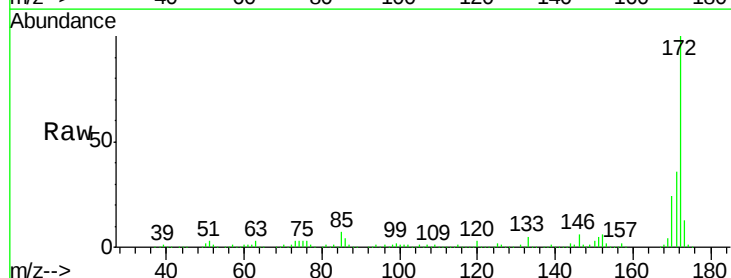
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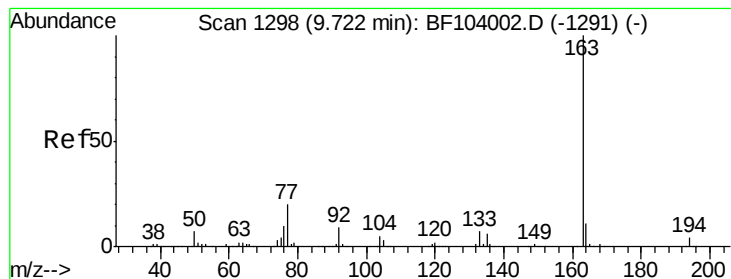
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#44
 2-Fluorobiphenyl
 Concen: 83.583 ng
 RT: 9.30 min Scan# 1227
 Delta R.T. -0.00 min
 Lab File: BF104240.D
 Acq: 4 Apr 2018 21:54

Tgt Ion	Ratio	Resp	Lower	Upper
172	100	1131408		
171	36.5	29.7	44.5	
170	23.8	19.6	29.4	





#49

Dimethylphthalate

Concen: 5.999 ng

RT: 9.69 min Scan# 1293

Delta R.T. -0.01 min

Lab File: BF104240.D

Acq: 4 Apr 2018 21:54

Instrument :

BNA_F

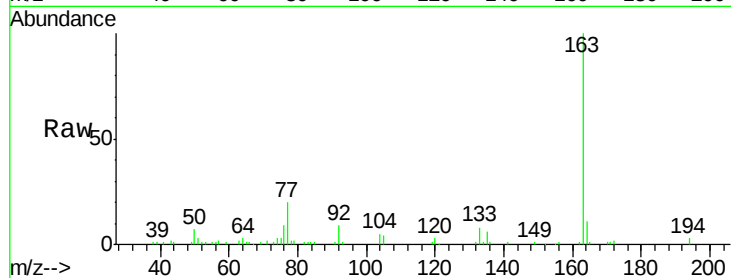
ClientSampled :

SP-1

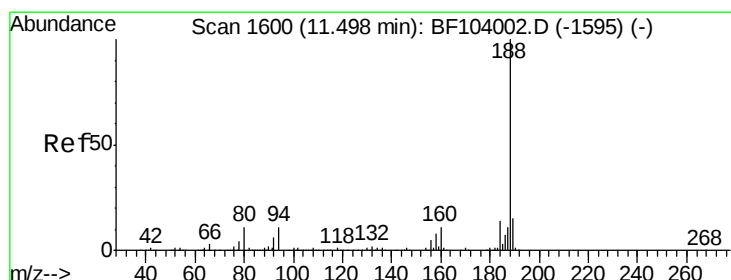
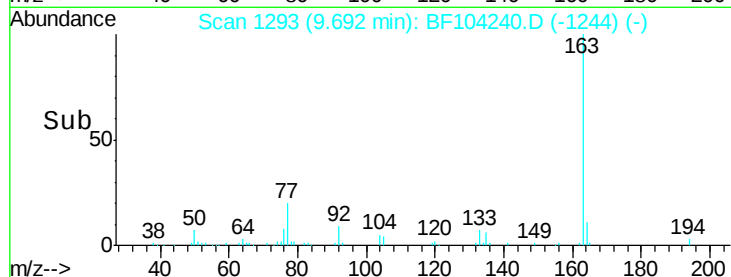
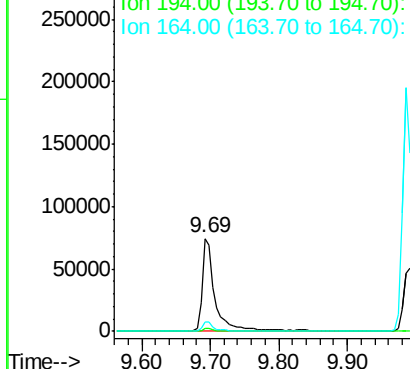
Tot Ion:	163	Resp:	101103
Ion Ratio	Lower	Upper	
163	100		
194	3.4	2.7	4.1
164	10.5	8.2	12.2

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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

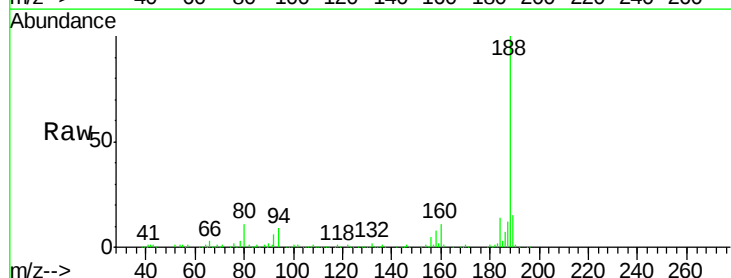
RT: 11.49 min Scan# 1598

Delta R.T. -0.00 min

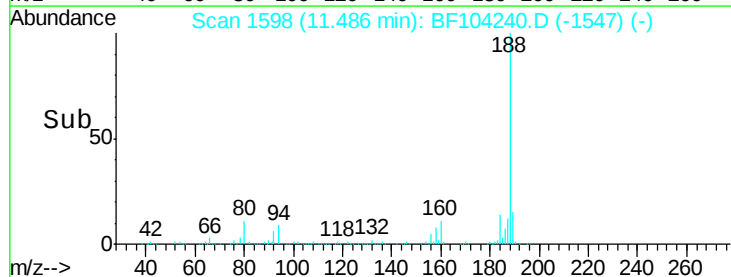
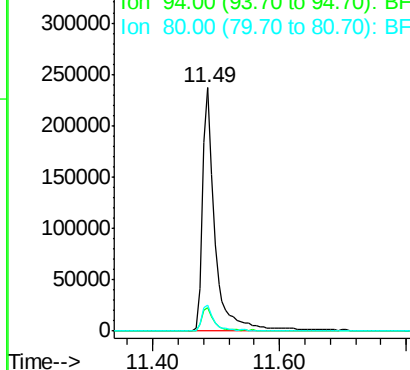
Lab File: BF104240.D

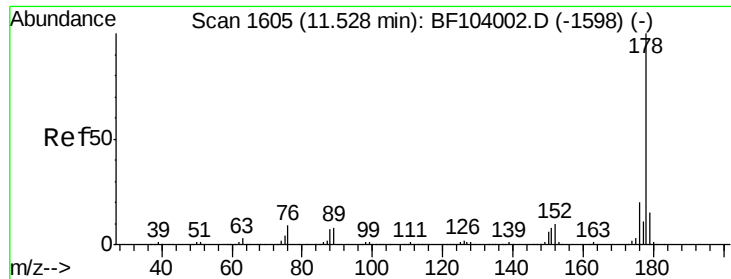
Acq: 4 Apr 2018 21:54

Tgt Ion:	188	Resp:	323471
Ion Ratio	Lower	Upper	
188	100		
94	9.4	8.5	12.7
80	10.7	9.2	13.8



Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BF1
Ion 80.00 (79.70 to 80.70): BF1





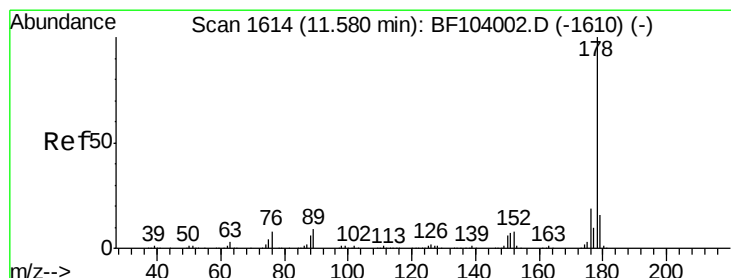
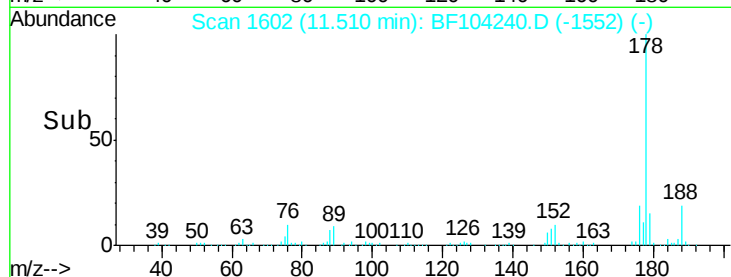
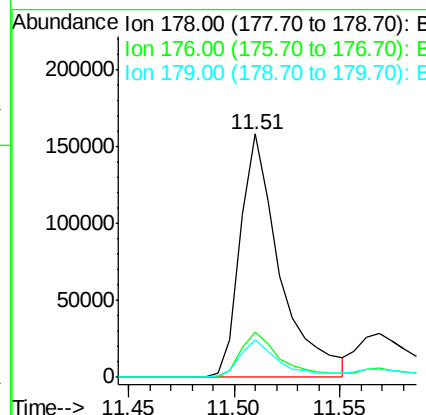
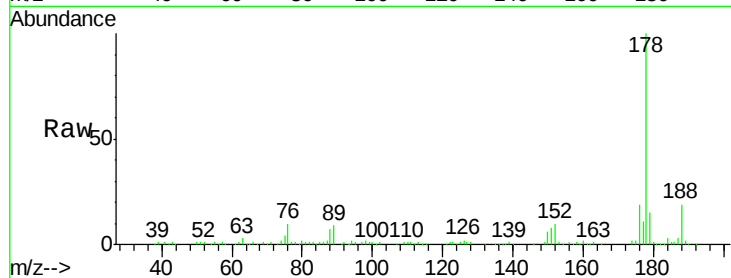
#70
Phenanthrene
Concen: 11.721 ng
RT: 11.51 min Scan# 1602
Delta R.T. -0.01 min
Lab File: BF104240.D
Acq: 4 Apr 2018 21:54

Instrument :
BNA_F
ClientSampleId :
SP-1

Tot Ion	Ratio	Lower	Upper
178	100		
176	18.5	15.8	23.8
179	15.4	13.0	19.6

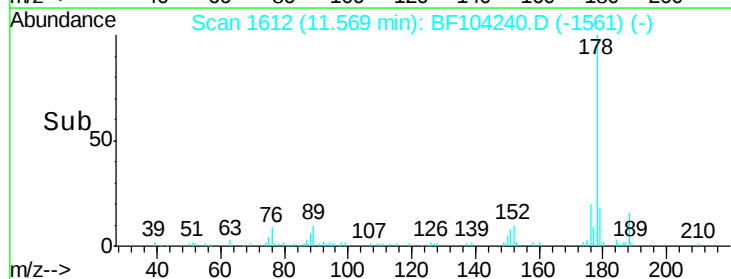
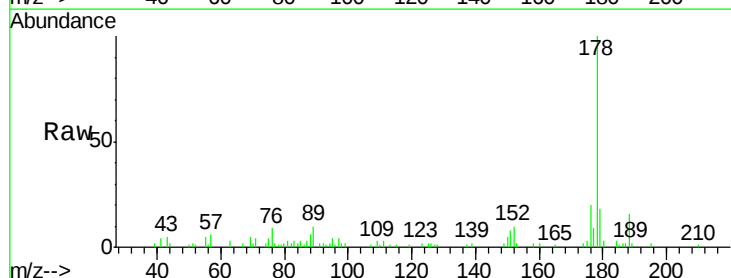
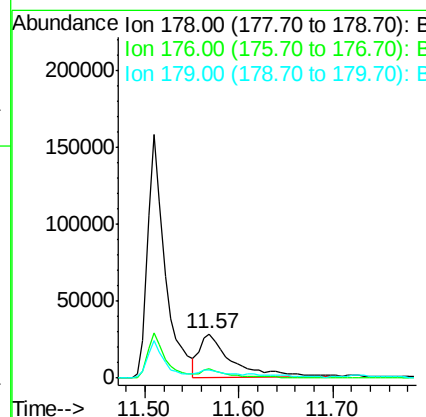
Manual Integrations
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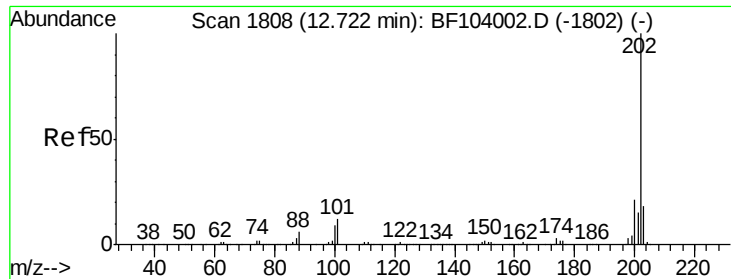
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#71
Anthracene
Concen: 3.580 ng
RT: 11.57 min Scan# 1612
Delta R.T. -0.00 min
Lab File: BF104240.D
Acq: 4 Apr 2018 21:54

Tgt Ion	Ratio	Lower	Upper
178	100		
176	20.2	15.4	23.2
179	17.9	12.6	19.0





#74

Fluoranthene

Concen: 20.587 ng

RT: 12.70 min Scan# 1805

Delta R.T. -0.00 min

Lab File: BF104240.D

Acq: 4 Apr 2018 21:54

Instrument :

BNA_F

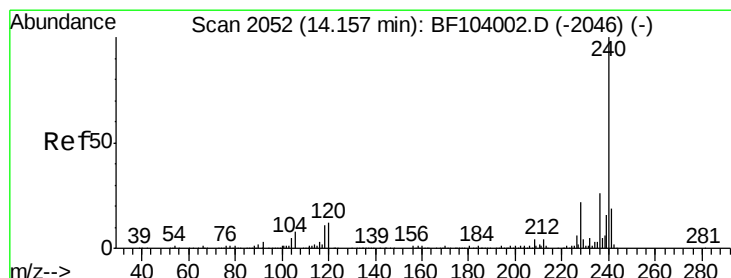
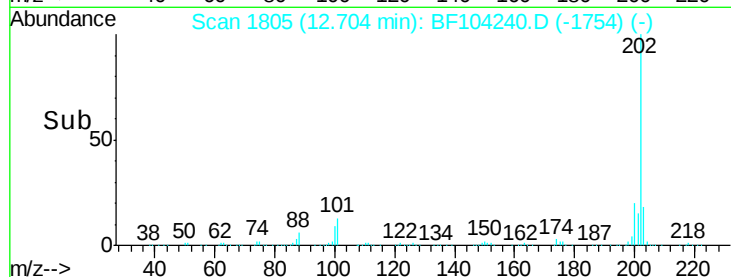
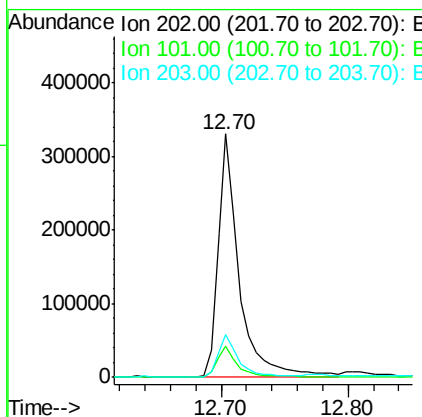
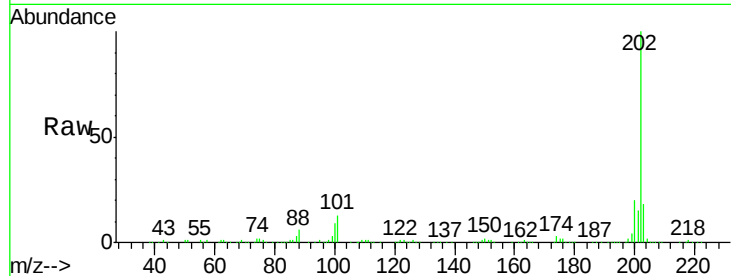
ClientSampled :

SP-1

Tot Ion:	202	Resp:	383242
Ion Ratio		Lower	Upper
202	100		
101	12.7	0.0	34.1
203	17.6	0.0	38.1

Manual Integrations
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#75

Chrysene-d12

Concen: 20.000 ng

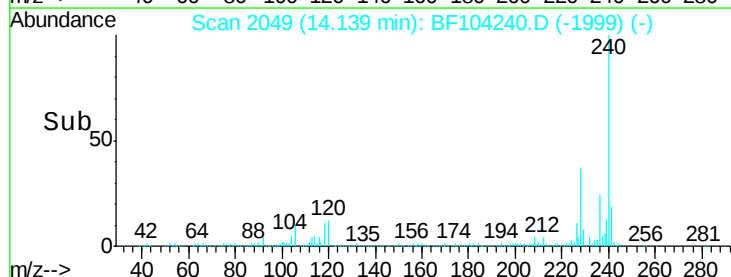
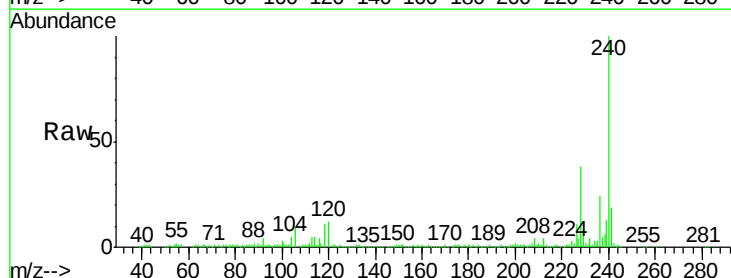
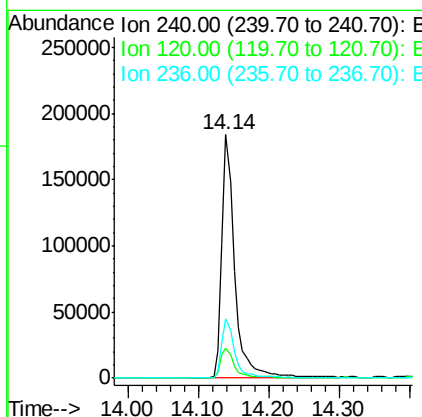
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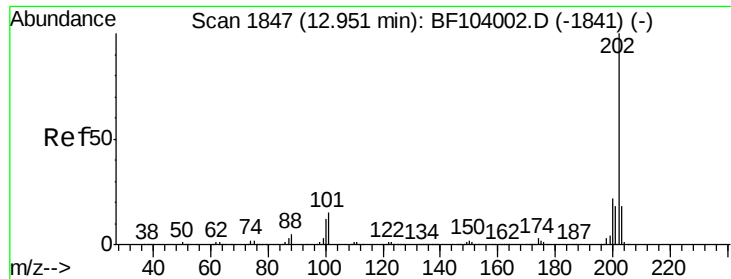
Delta R.T. -0.01 min

Lab File: BF104240.D

Acq: 4 Apr 2018 21:54

Tgt Ion:	240	Resp:	236809
Ion Ratio		Lower	Upper
240	100		
120	12.4	9.5	14.3
236	24.4	20.7	31.1





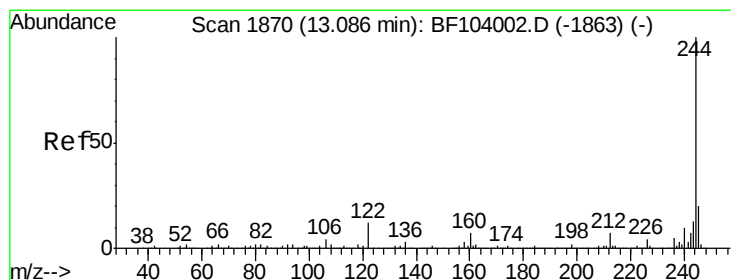
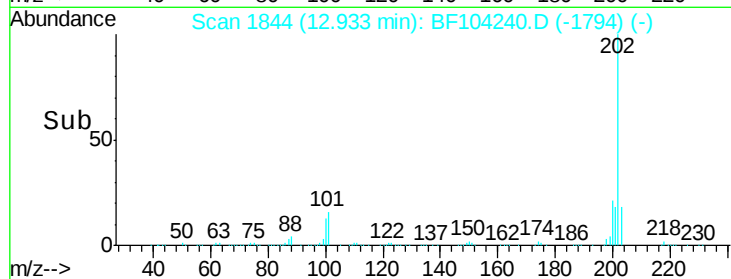
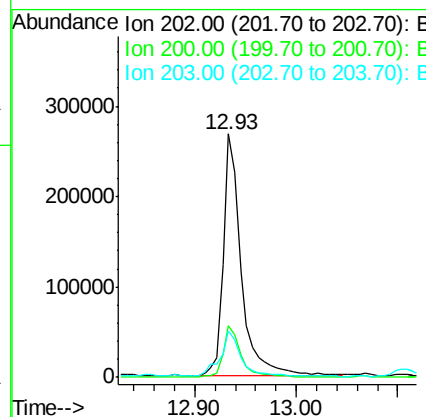
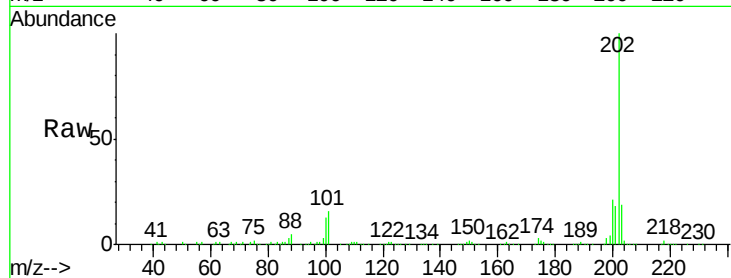
#77
Pvrene
Concen: 19.553 ng
RT: 12.93 min Scan# 1844
Delta R.T. -0.01 min
Lab File: BF104240.D
Acq: 4 Apr 2018 21:54

Instrument :
BNA_F
ClientSampleId :
SP-1

Tot Ion	Ratio	Lower	Upper
202	100		
200	21.3	17.4	26.2
203	18.9	14.3	21.5

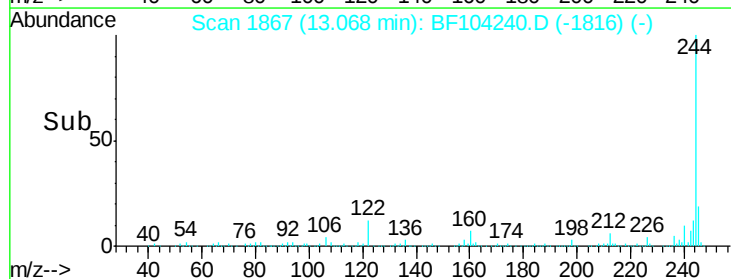
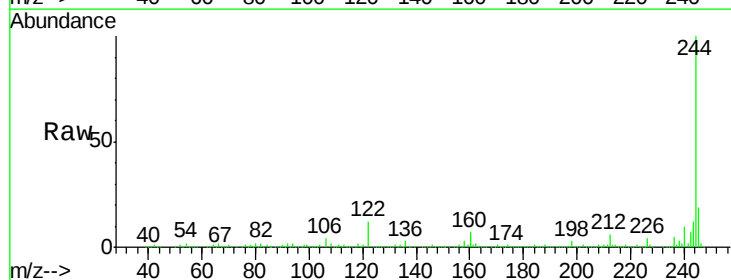
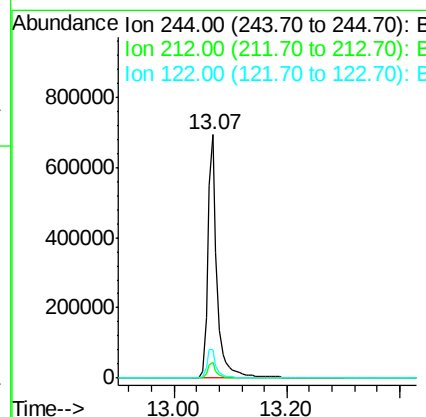
Manual Integrations
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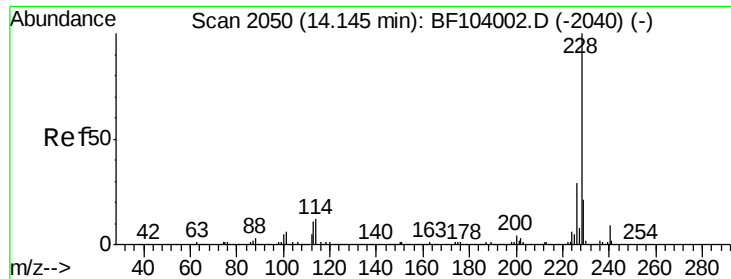
Sohil
4/5/2018 4:39:07 PM



#78
Terphenyl-d14
Concen: 76.869 ng
RT: 13.07 min Scan# 1867
Delta R.T. -0.00 min
Lab File: BF104240.D
Acq: 4 Apr 2018 21:54

Tgt Ion	Ratio	Lower	Upper
244	100		
212	6.3	5.4	8.0
122	11.7	11.0	16.4





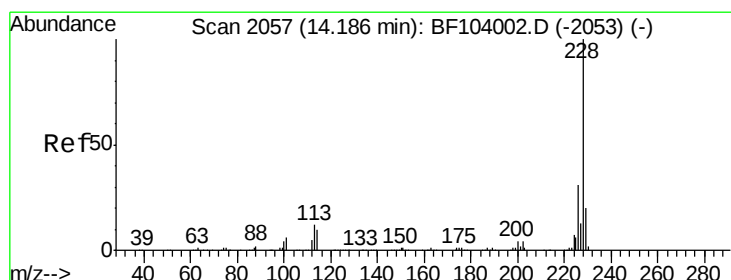
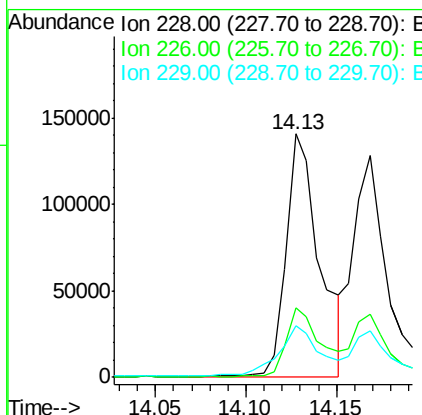
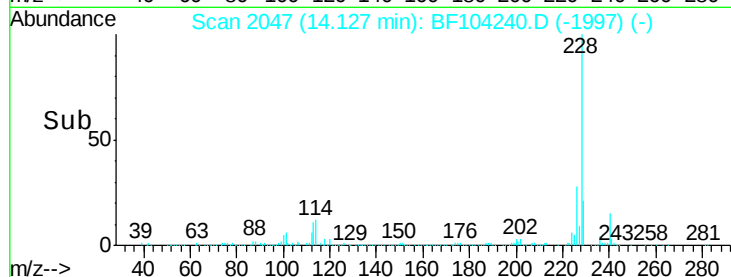
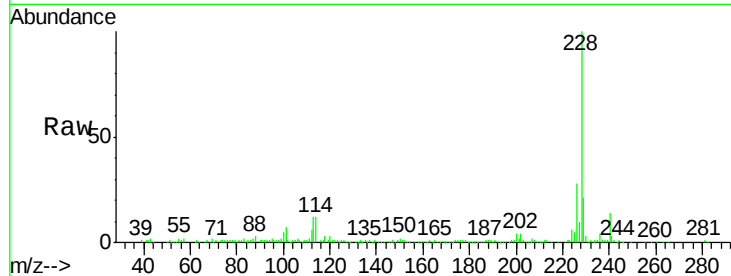
#80
Benzo(a)anthracene
Concen: 12.138 ng
RT: 14.13 min Scan# 2047
Delta R.T. -0.01 min
Lab File: BF104240.D
Acq: 4 Apr 2018 21:54

Instrument :
BNA_F
ClientSampleId :
SP-1

Tot Ion	Ratio	Lower	Upper
228	100		
226	28.4	22.6	33.8
229	21.2	15.8	23.6

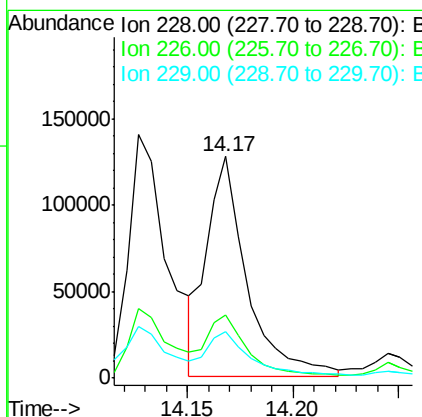
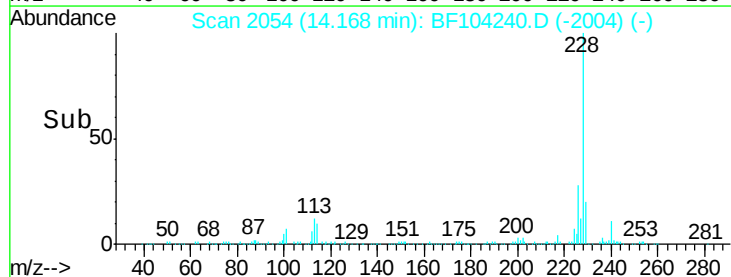
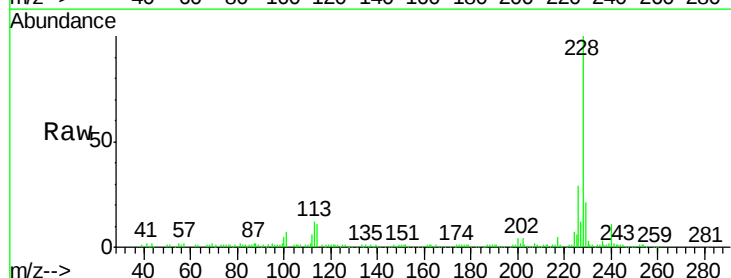
Manual Integrations
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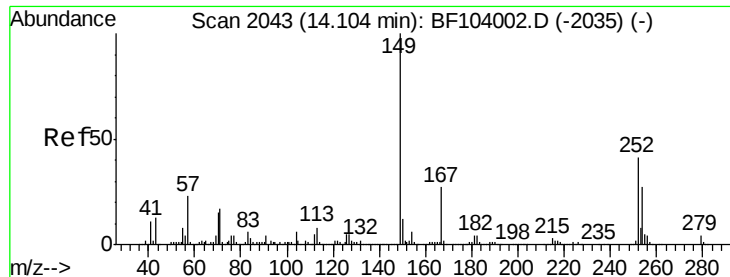
Sohil
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#82
Chrysene
Concen: 11.752 ng
RT: 14.17 min Scan# 2054
Delta R.T. -0.01 min
Lab File: BF104240.D
Acq: 4 Apr 2018 21:54

Tgt Ion	Ratio	Lower	Upper
228	100		
226	28.6	25.0	37.6
229	21.0	16.2	24.4





#83

Bis(2-ethylhexyl)phthalate

Concen: 2.923 ng

RT: 14.08 min Scan# 2039

Delta R.T. -0.00 min

Lab File: BF104240.D

Acq: 4 Apr 2018 21:54

Instrument :

BNA_F

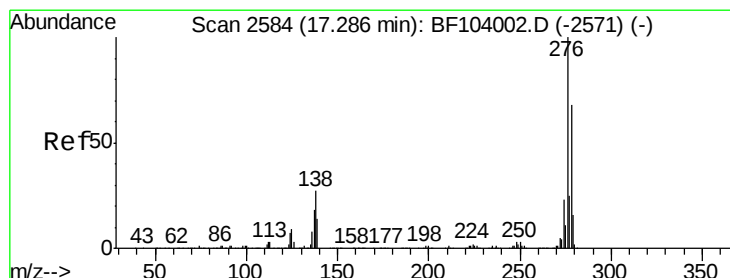
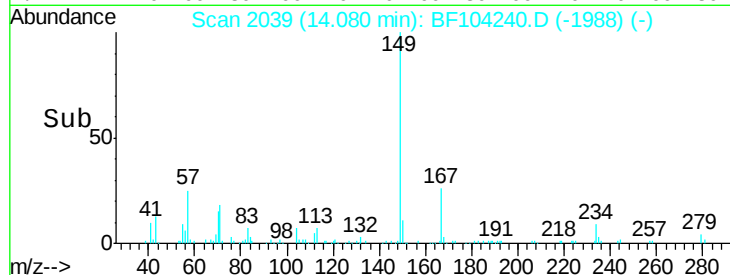
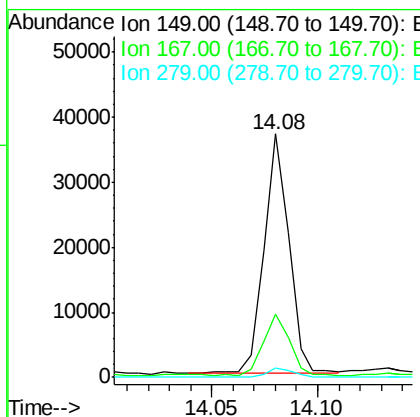
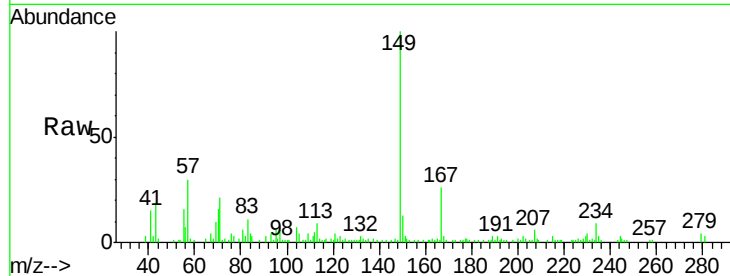
ClientSampled :

SP-1

Tot Ion:	149	Resp:	30293
Ion Ratio	Lower	Upper	
149	100		
167	26.0	21.3	31.9
279	4.0	3.0	4.4

Manual Integrations
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#85

Indeno(1,2,3-cd)pyrene

Concen: 4.521 ng

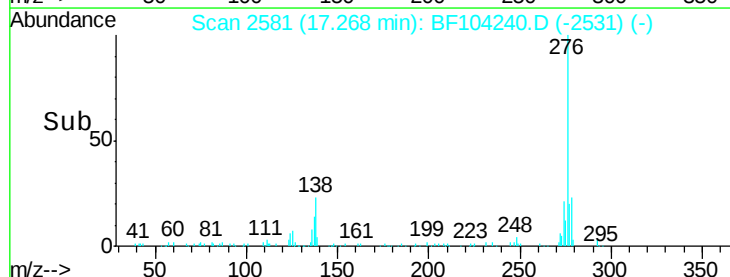
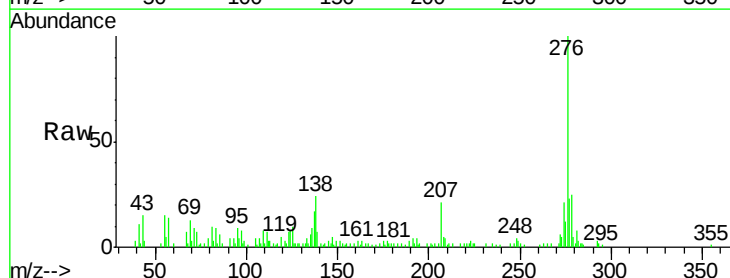
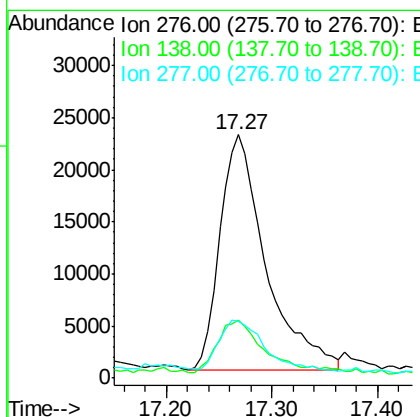
RT: 17.27 min Scan# 2581

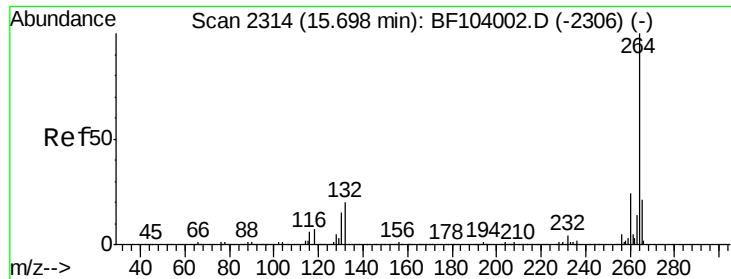
Delta R.T. -0.01 min

Lab File: BF104240.D

Acq: 4 Apr 2018 21:54

Tgt Ion:	276	Resp:	67989
Ion Ratio	Lower	Upper	
276	100		
138	23.3	25.0	37.6#
277	22.1	20.1	30.1





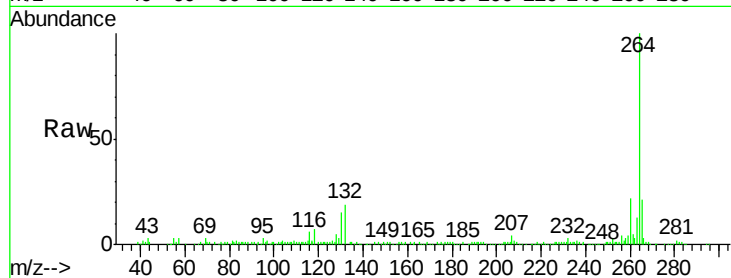
#86
Pervlene-d12
Concen: 20.000 ng
RT: 15.68 min Scan# 2311
Delta R.T. -0.00 min
Lab File: BF104240.D
Acq: 4 Apr 2018 21:54

Instrument :
BNA_F
ClientSampled :
SP-1

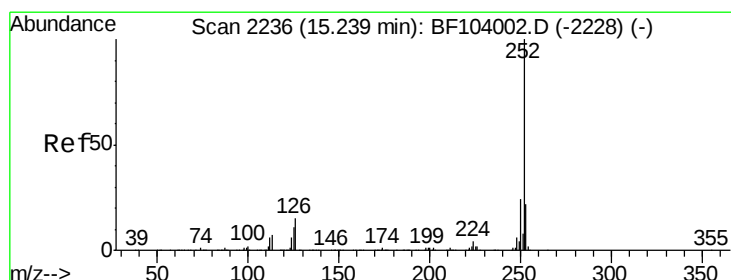
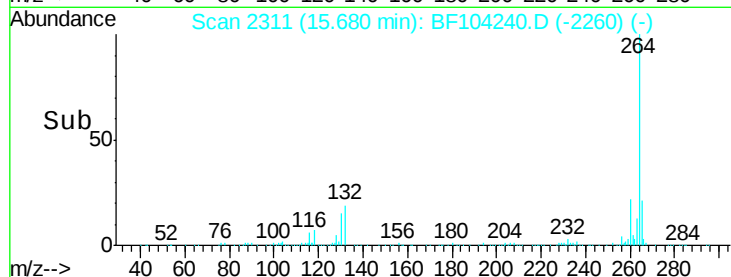
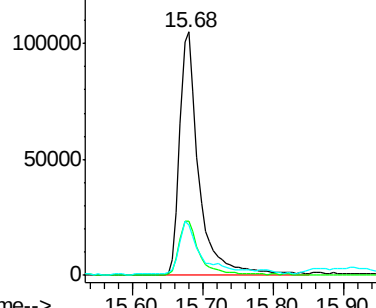
Tot Ion	Ratio	Lower	Upper
264	100		
260	22.2	19.2	28.8
265	20.9	17.5	26.3

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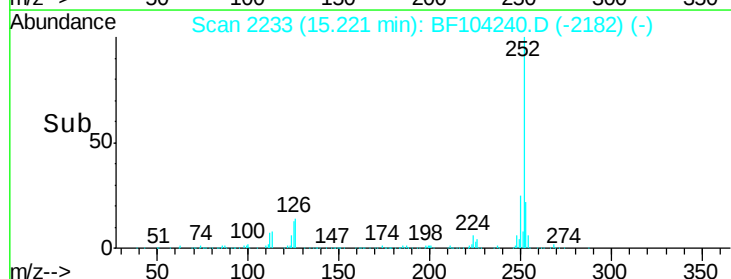
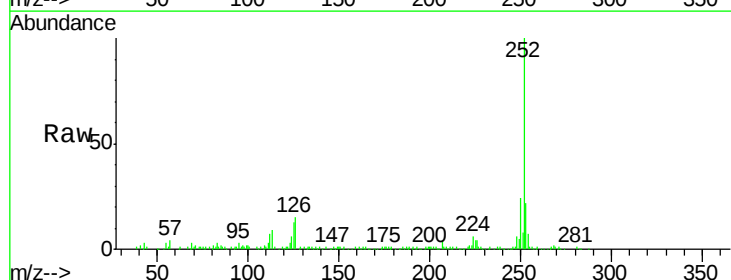
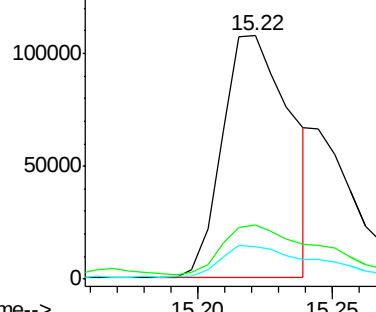
Abundance Ion 264.00 (263.70 to 264.70): E
Ion 260.00 (259.70 to 260.70): E
Ion 265.00 (264.70 to 265.70): E

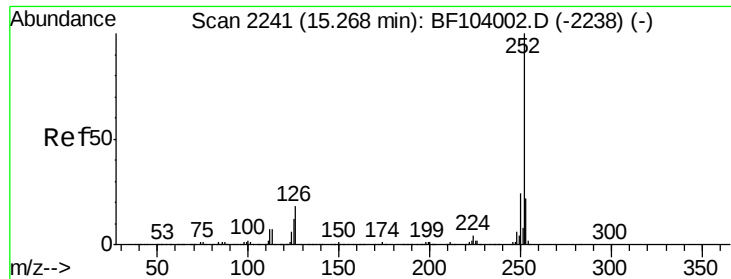


#87
Benzo(b)fluoranthene
Concen: 15.494 ng m
RT: 15.22 min Scan# 2233
Delta R.T. -0.00 min
Lab File: BF104240.D
Acq: 4 Apr 2018 21:54

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.1	17.0	25.6
125	13.3	9.0	13.6

Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E





#88

Benzo(k)fluoranthene

Concen: 7.328 ng/mL

RT: 15.24 min Scan# 2236

Delta R.T. -0.01 min

Lab File: BF104240.D

Acq: 4 Apr 2018 21:54

Instrument :

BNA_F

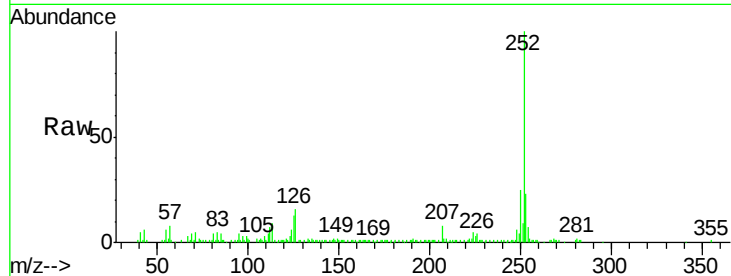
ClientSampled :

SP-1

Tot Ion:	252	Resp:	84598
Ion Ratio	Lower	Upper	
252	100		
253	23.2	17.9	26.9
125	13.3	10.2	15.2

Manual Integrations
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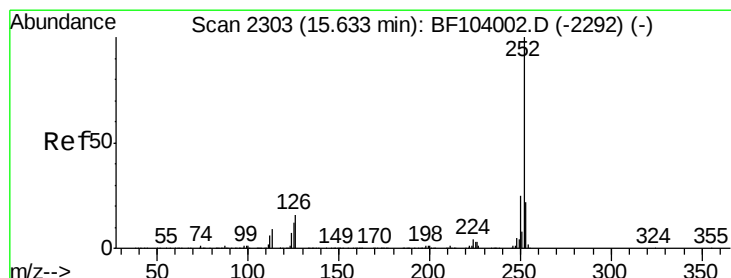
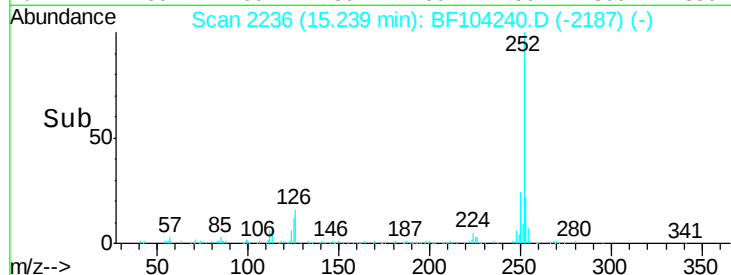
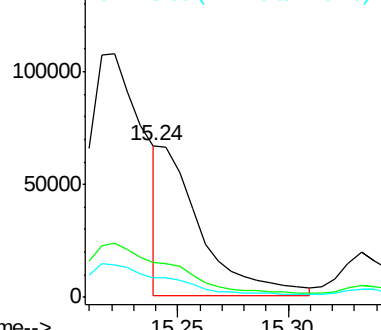


Abundance

Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



#89

Benzo(a)pyrene

Concen: 11.850 ng/mL

RT: 15.62 min Scan# 2300

Delta R.T. -0.00 min

Lab File: BF104240.D

Acq: 4 Apr 2018 21:54

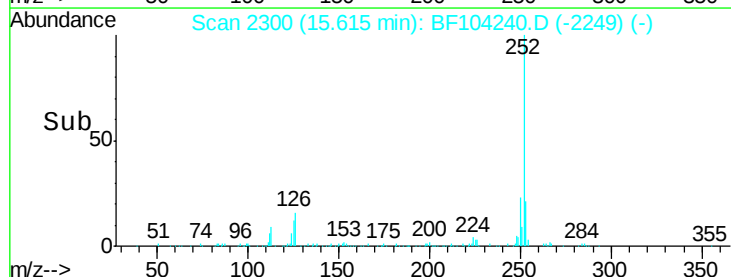
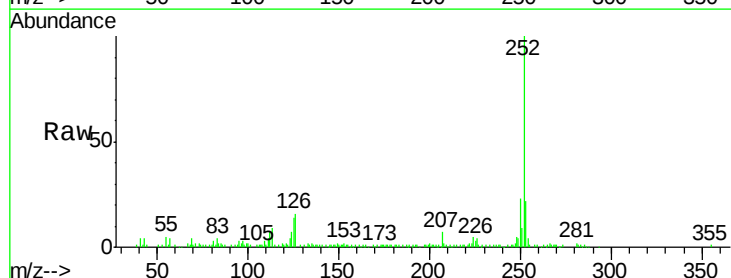
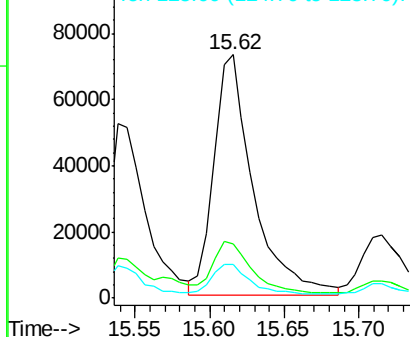
Tgt Ion:	252	Resp:	134580
Ion Ratio	Lower	Upper	
252	100		
253	22.5	17.1	25.7
125	13.6	9.8	14.6

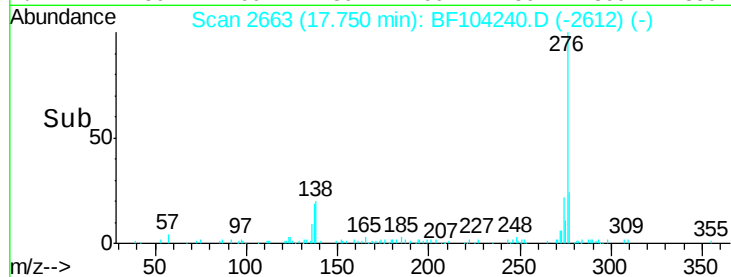
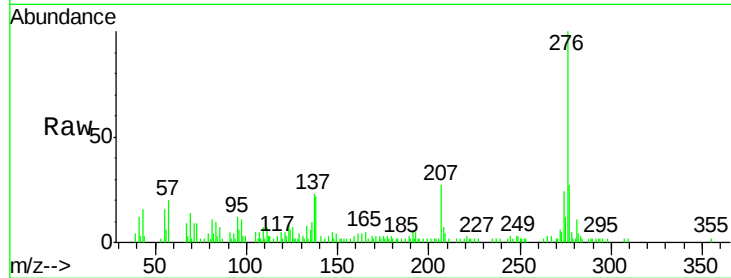
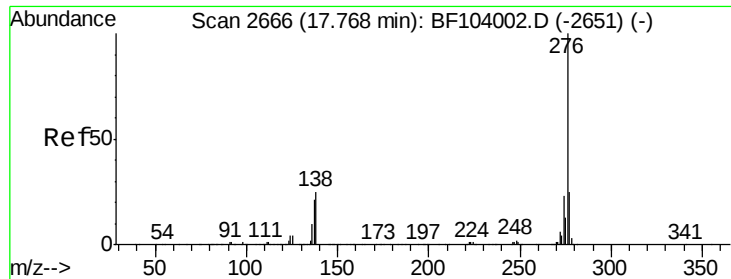
Abundance

Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#91
 Benzo(a,h,i)perylene
 Concen: 5.839 ng
 RT: 17.75 min Scan# 2663
 Delta R.T. -0.00 min
 Lab File: BF104240.D
 Acq: 4 Apr 2018 21:54

Instrument :
 BNA_F
 ClientSampleId :
 SP-1

Tot Ion	Ratio	Lower	Upper
276	100		
277	26.8	17.9	26.9
138	22.5	21.8	32.8

Manual Integrations
 APPROVED

Sohil
 4/5/2018 4:39:07 PM

