

Data Path : Z:\HPCHEM1\BNA F\DATA\BF032818\
 Data File : BF104032.D
 Acq On : 29 Mar 2018 1:06
 Operator : JU/SJ
 Sample : J2080-07 2X
 Misc :
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TEC-RCA-COMP

Manual Integrations
 APPROVED

Sohil
 3/29/2018 5:36:48 PM

Quant Time: Mar 29 05:34:44 2018
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF032818.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Mar 28 13:41:47 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.97	152	119174	20.00	ng	0.00
21) Naphthalene-d8	8.25	136	473349	20.00	ng	0.00
38) Acenaphthene-d10	10.00	164	192951	20.00	ng	0.00
63) Phenanthrene-d10	11.50	188	285895	20.00	ng	0.00
75) Chrysene-d12	14.16	240	227316	20.00	ng	0.00
86) Perylene-d12	15.70	264	175944	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.60	112	317264	42.46	ng	0.00
7) Phenol-d6	6.60	99	443901	48.28	ng	0.00
23) Nitrobenzene-d5	7.53	82	246111	31.80	ng	0.00
41) 2,4,6-Tribromophenol	10.80	330	78635	36.60	ng	0.00
44) 2-Fluorobiphenyl	9.32	172	455973	37.26	ng	0.00
78) Terphenyl-d14	13.08	244	303769	30.86	ng	0.00
Target Compounds						
70) Phenanthrene	11.53	178	147537	9.532	ng	97
71) Anthracene	11.58	178	50736	3.138	ng	97
73) Di-n-butylphthalate	12.04	149	76423	4.158	ng	100
74) Fluoranthene	12.72	202	308142	18.729	ng	97
77) Pyrene	12.95	202	268983	16.461	ng	99
80) Benzo(a)anthracene	14.14	228	119867	8.427	ng	96
82) Chrysene	14.19	228	110855	7.957	ng	96
85) Indeno(1,2,3-cd)pyrene	17.30	276	28940	2.005	ng	93
87) Benzo(b)fluoranthene	15.24	252	92857m	8.672	ng	
88) Benzo(k)fluoranthene	15.27	252	33783m	3.349	ng	
89) Benzo(a)pyrene	15.64	252	61491	6.197	ng	# 88
91) Benzo(a,h,i)perylene	17.79	276	26469	2.880	ng	# 94

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

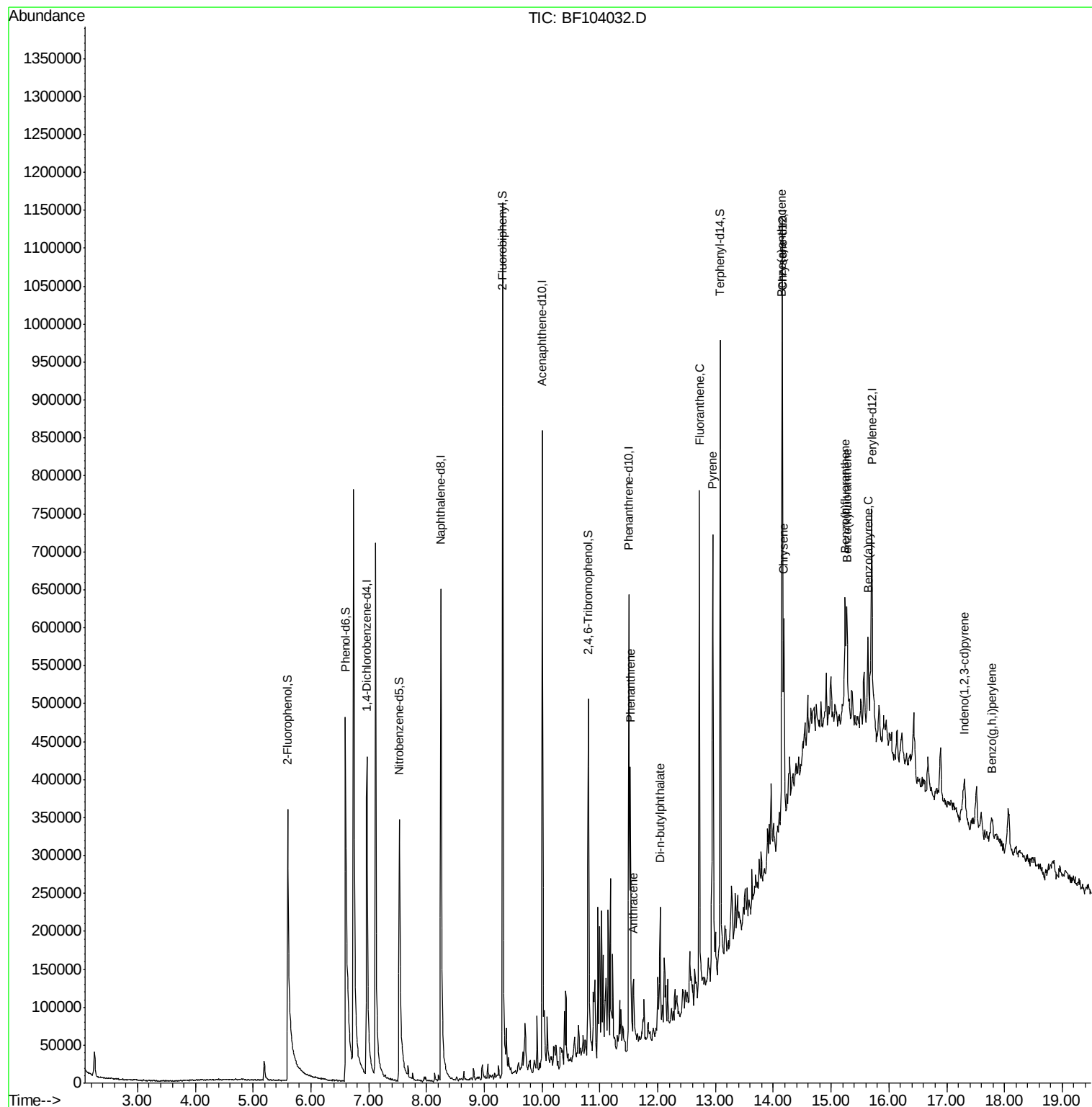
Data Path : Z:\HPCHEM1\BNA F\DATA\BF032818\
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Instrument :
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Manual Integrations
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#1

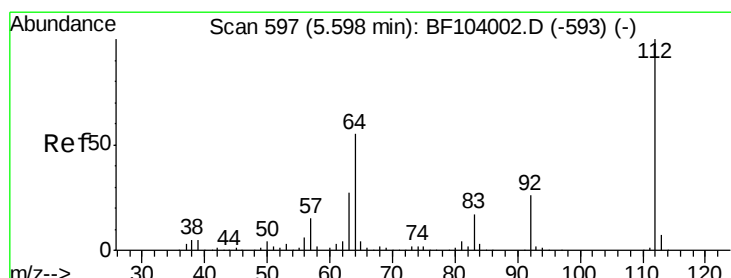
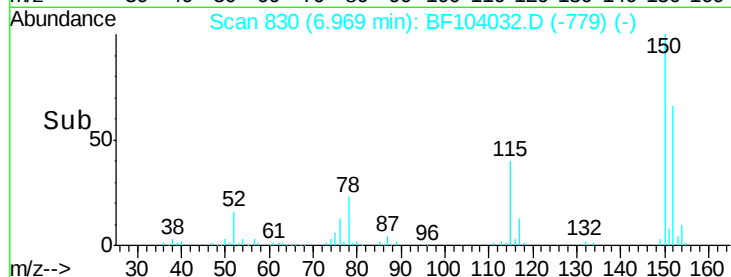
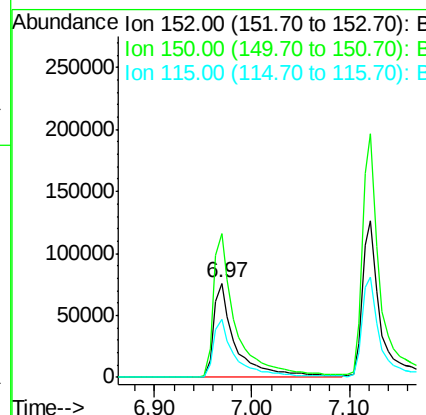
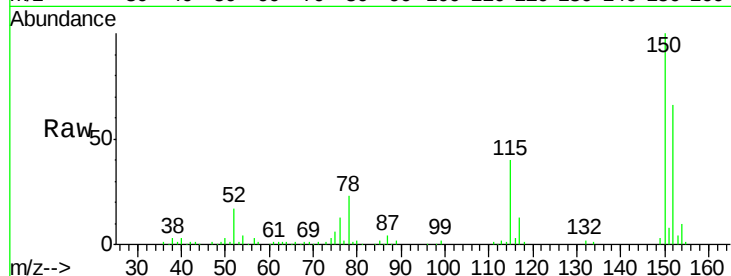
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.97 min Scan# 830
Delta R.T. -0.00 min
Lab File: BF104032.D
Acq: 29 Mar 2018 1:06

Instrument :
BNA_F
ClientSampled :
TEC-RCA-COMP

Tot Ion	Ratio	Lower	Upper
152	100		
150	152.3	124.6	186.8
115	61.0	50.1	75.1

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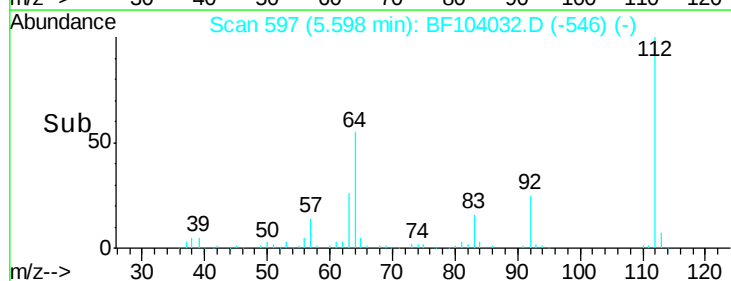
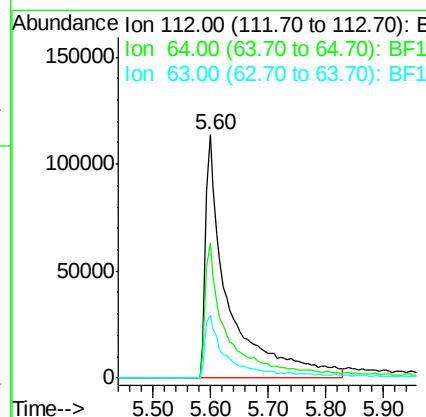
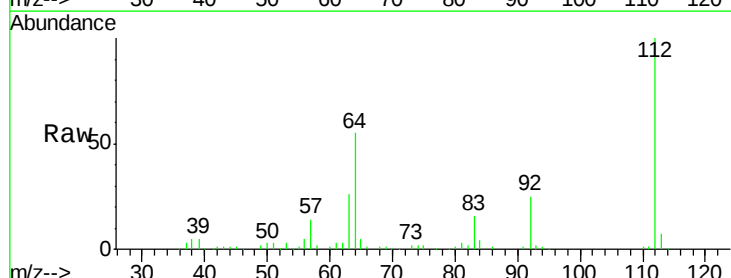
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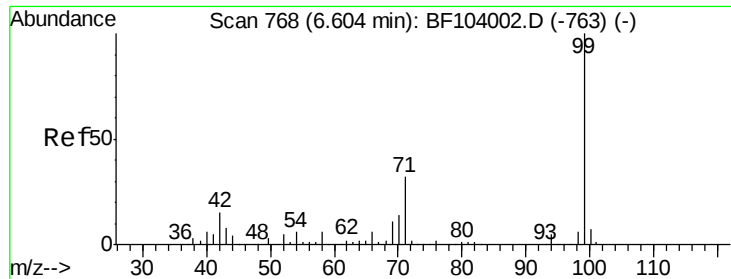


#5

2-Fluorophenol
Concen: 42.455 ng
RT: 5.60 min Scan# 597
Delta R.T. -0.00 min
Lab File: BF104032.D
Acq: 29 Mar 2018 1:06

Tgt Ion	Ratio	Lower	Upper
112	100		
64	55.2	47.9	71.9
63	26.0	23.7	35.5





#7

Phenol-d6

Concen: 48.282 ng

RT: 6.60 min Scan# 767

Delta R.T. -0.01 min

Lab File: BF104032.D

Acq: 29 Mar 2018 1:06

Instrument :

BNA_F

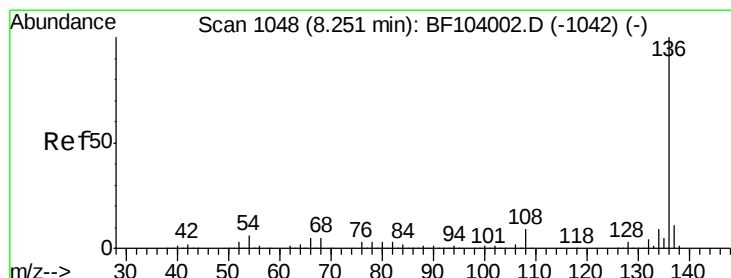
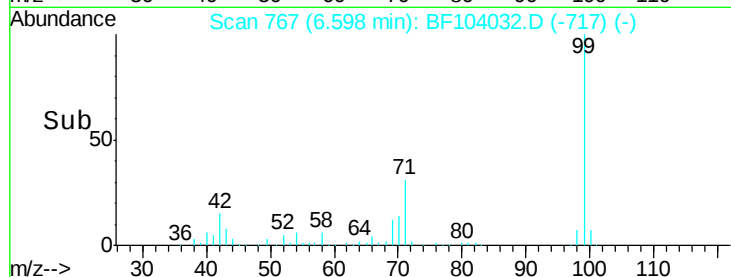
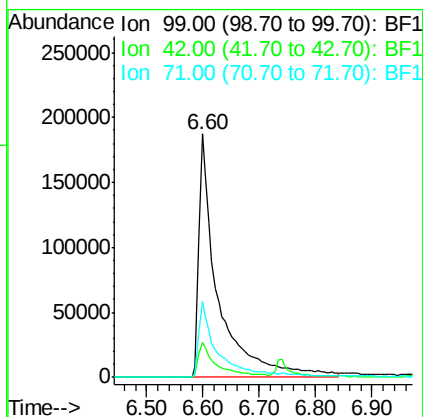
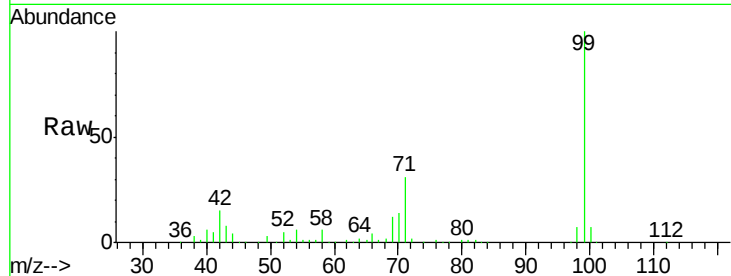
ClientSampleId :

TEC-RCA-COMP

Tot Ion:	99	Resp:	443901
Ion Ratio	Lower	Upper	
99	100		
42	14.5	14.5	21.7
71	31.1	25.4	38.0

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#21

Naphthalene-d8

Concen: 20.000 ng

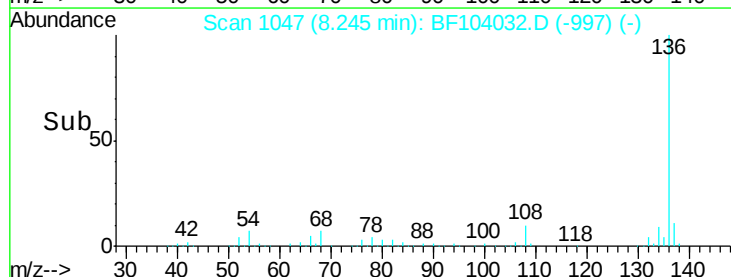
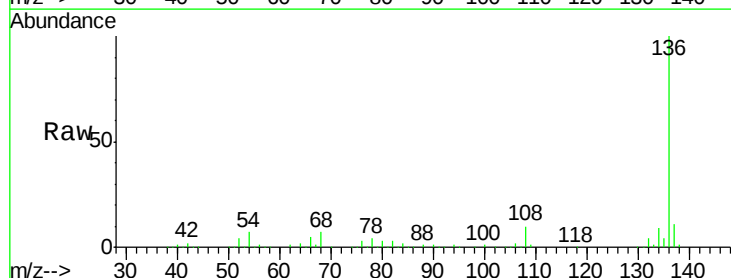
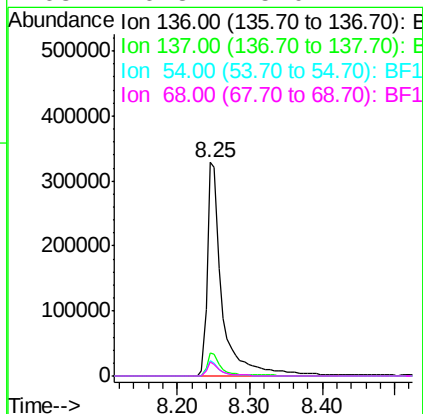
RT: 8.25 min Scan# 1047

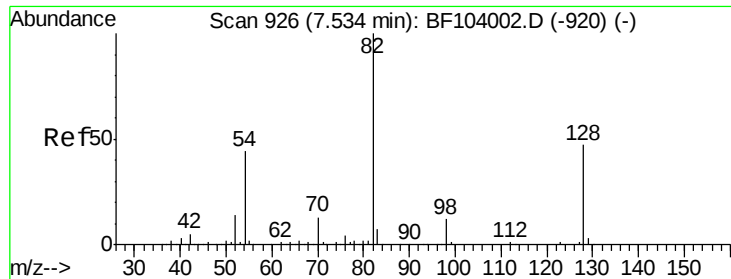
Delta R.T. -0.01 min

Lab File: BF104032.D

Acq: 29 Mar 2018 1:06

Tgt Ion:	136	Resp:	473349
Ion Ratio	Lower	Upper	
136	100		
137	11.1	8.9	13.3
54	7.1	6.6	9.8
68	6.8	5.0	7.4





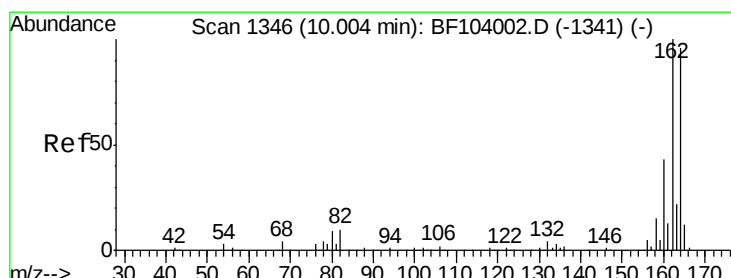
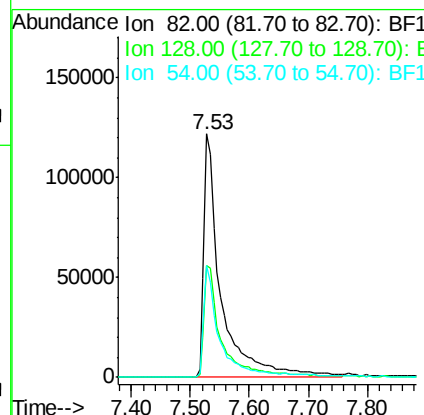
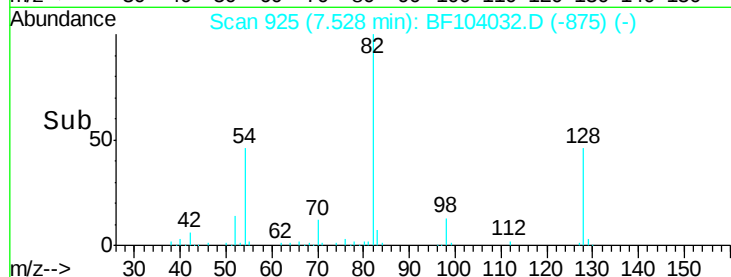
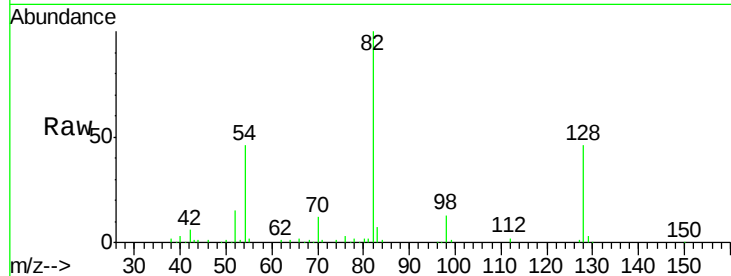
#23
 Nitrobenzene-d5
 Concen: 31.797 ng
 RT: 7.53 min Scan# 925
 Delta R.T. -0.01 min
 Lab File: BF104032.D
 Acq: 29 Mar 2018 1:06

Instrument :
 BNA_F
 ClientSampleId :
 TEC-RCA-COMP

Tot Ion	Ratio	Lower	Upper
82	100		
128	46.1	36.1	54.1
54	46.0	41.4	62.2

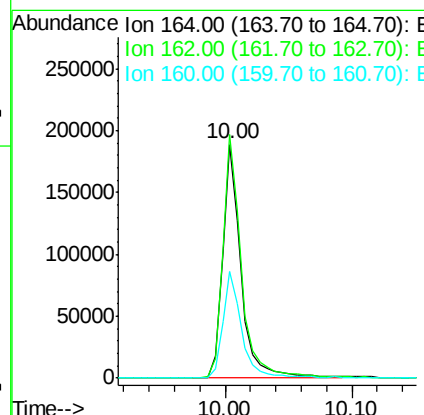
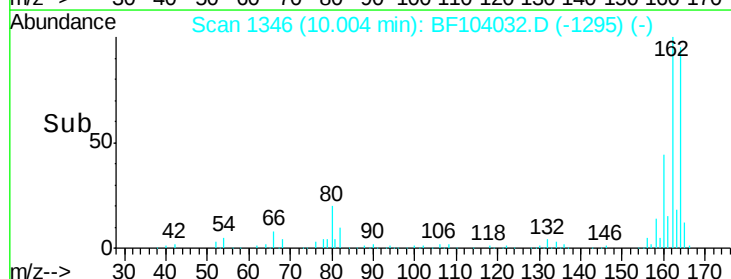
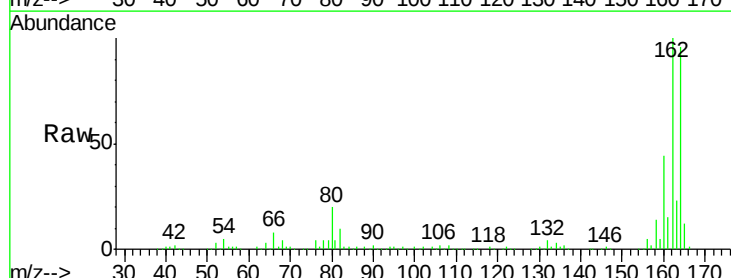
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#38
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 10.00 min Scan# 1346
 Delta R.T. -0.00 min
 Lab File: BF104032.D
 Acq: 29 Mar 2018 1:06

Tgt Ion	Ratio	Lower	Upper
164	100		
162	104.2	86.1	129.1
160	45.5	38.3	57.5





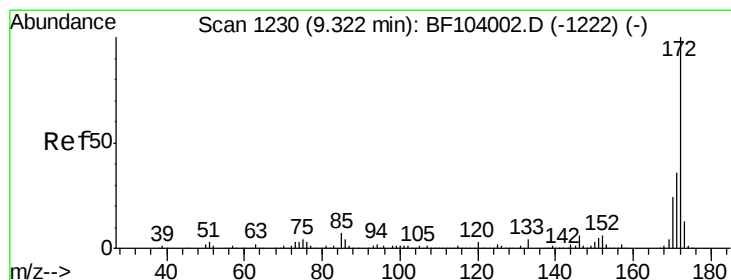
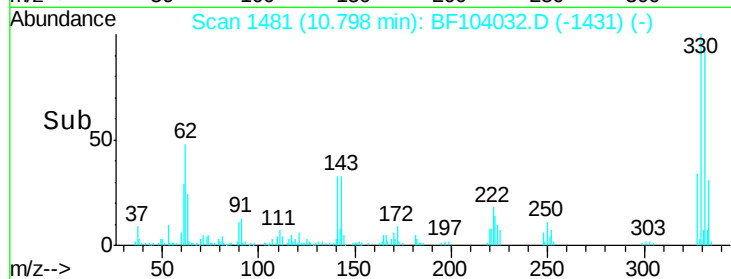
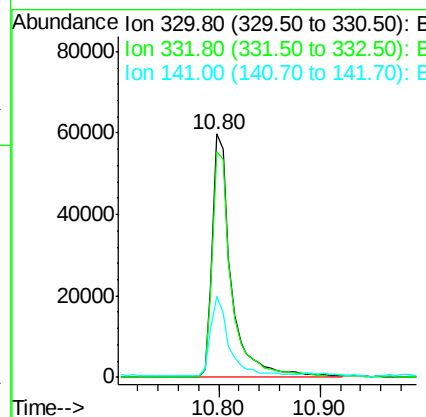
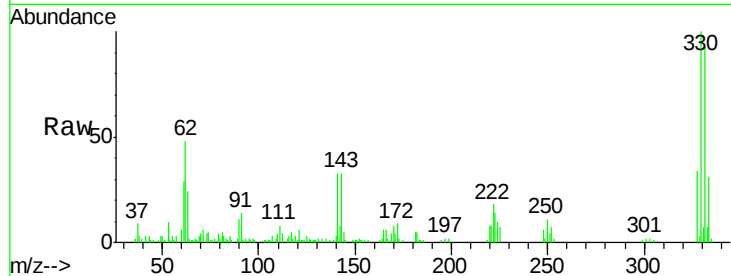
#41
 2,4,6-Tribromophenol
 Concen: 36.600 ng
 RT: 10.80 min Scan# 1481
 Delta R.T. -0.01 min
 Lab File: BF104032.D
 Acq: 29 Mar 2018 1:06

Instrument :
 BNA_F
 ClientSampleId :
 TEC-RCA-COMP

Tot Ion	Ratio	Lower	Upper
330	100		
332	94.4	77.0	115.6
141	30.7	29.9	44.9

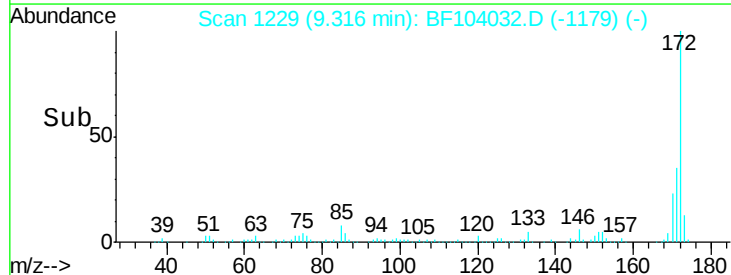
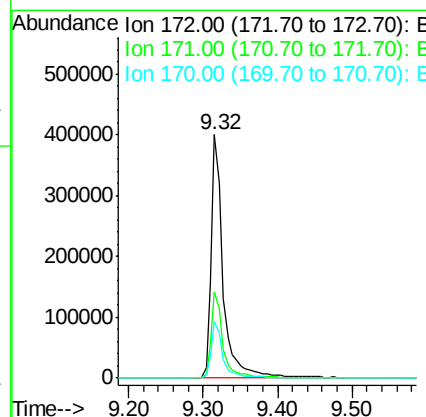
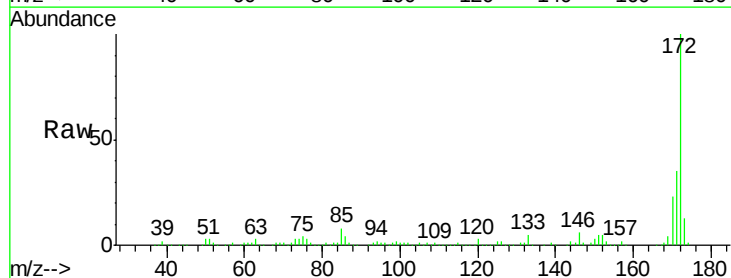
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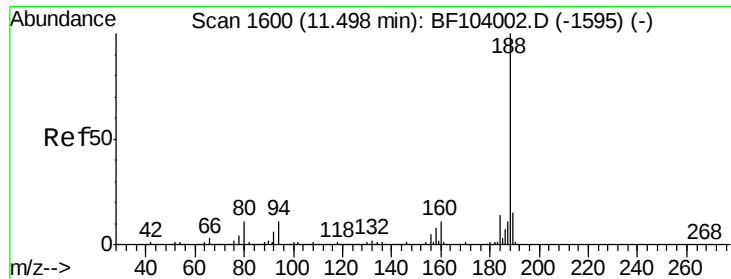
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#44
 2-Fluorobiphenyl
 Concen: 37.265 ng
 RT: 9.32 min Scan# 1229
 Delta R.T. -0.01 min
 Lab File: BF104032.D
 Acq: 29 Mar 2018 1:06

Tgt Ion	Ratio	Lower	Upper
172	100		
171	35.2	29.7	44.5
170	23.3	19.6	29.4





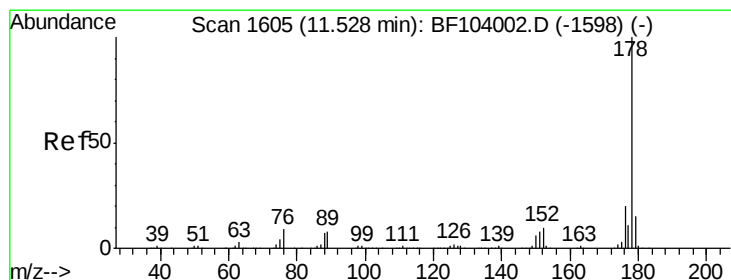
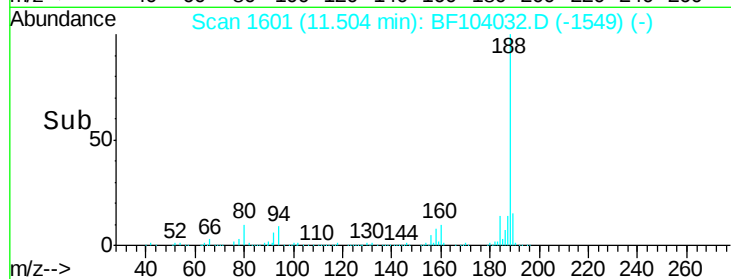
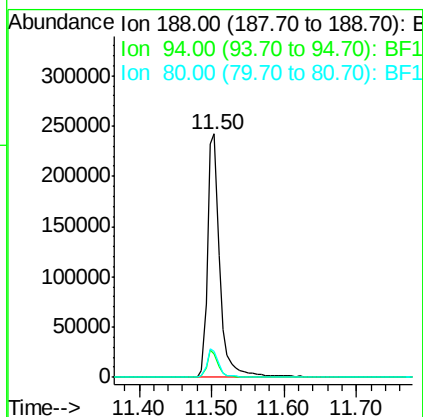
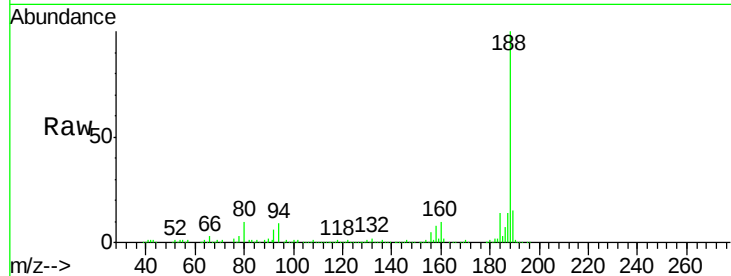
#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.50 min Scan# 1601
Delta R.T. 0.01 min
Lab File: BF104032.D
Acq: 29 Mar 2018 1:06

Instrument :
BNA_F
ClientSampleId :
TEC-RCA-COMP

Tot Ion	Ratio	Resp Lower	Resp Upper
188	100		
94	9.4	8.5	12.7
80	10.4	9.2	13.8

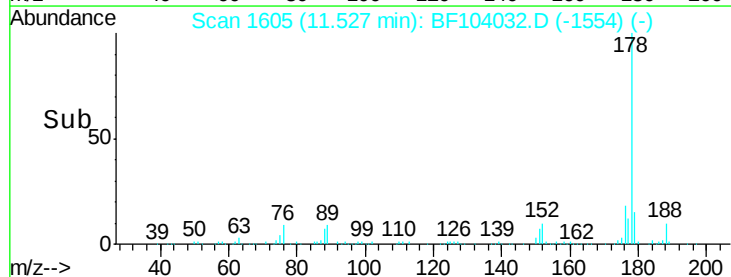
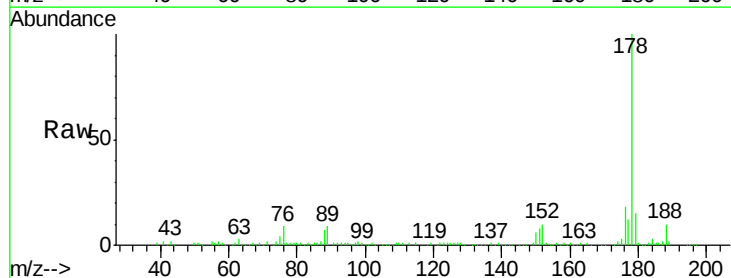
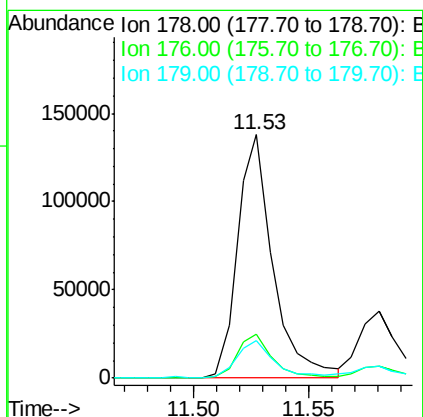
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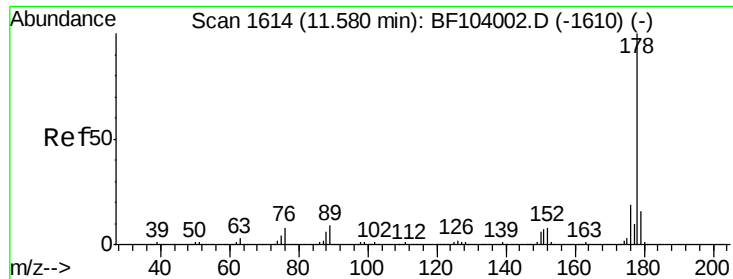
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#70
Phenanthrene
Concen: 9.532 ng
RT: 11.53 min Scan# 1605
Delta R.T. -0.00 min
Lab File: BF104032.D
Acq: 29 Mar 2018 1:06

Tgt Ion	Ratio	Resp Lower	Resp Upper
178	100		
176	18.2	15.8	23.8
179	15.3	13.0	19.6





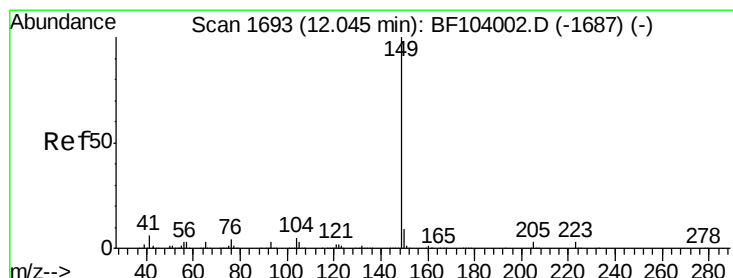
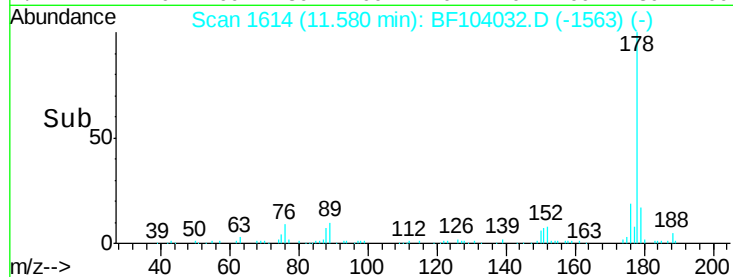
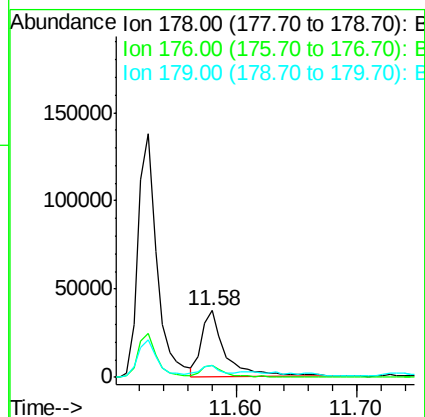
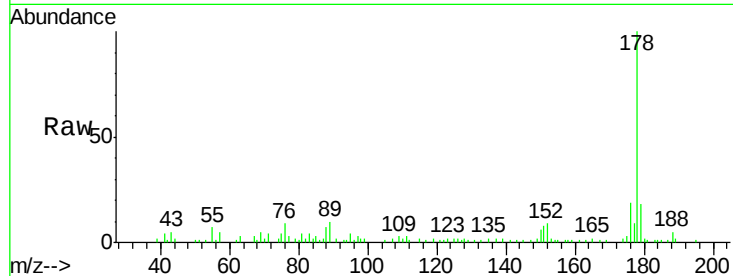
#71
 Anthracene
 Concen: 3.138 ng
 RT: 11.58 min Scan# 1614
 Delta R.T. -0.00 min
 Lab File: BF104032.D
 Acq: 29 Mar 2018 1:06

Instrument :
 BNA_F
 ClientSampleId :
 TEC-RCA-COMP

Tot Ion	Ratio	Lower	Upper
178	100		
176	18.6	15.4	23.2
179	17.7	12.6	19.0

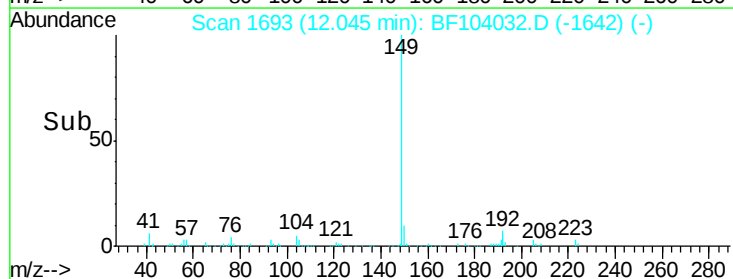
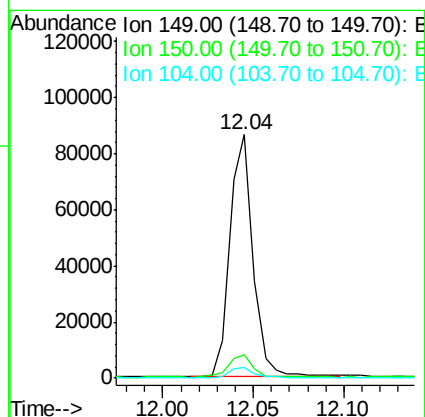
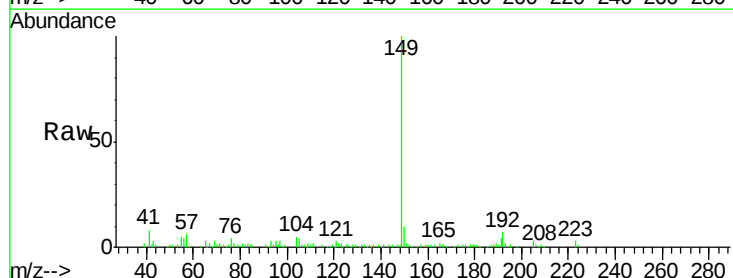
Manual Integrations
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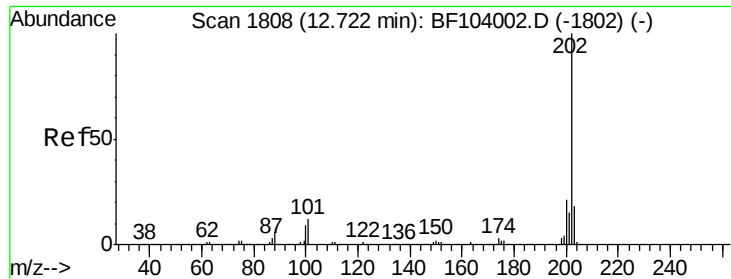
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#73
 Di-n-butylphthalate
 Concen: 4.158 ng
 RT: 12.04 min Scan# 1693
 Delta R.T. -0.00 min
 Lab File: BF104032.D
 Acq: 29 Mar 2018 1:06

Tgt Ion	Ratio	Lower	Upper
149	100		
150	9.7	7.8	11.6
104	4.6	3.8	5.8





#74

Fluoranthene

Concen: 18.729 ng

RT: 12.72 min Scan# 1808

Delta R.T. -0.00 min

Lab File: BF104032.D

Acq: 29 Mar 2018 1:06

Instrument :

BNA_F

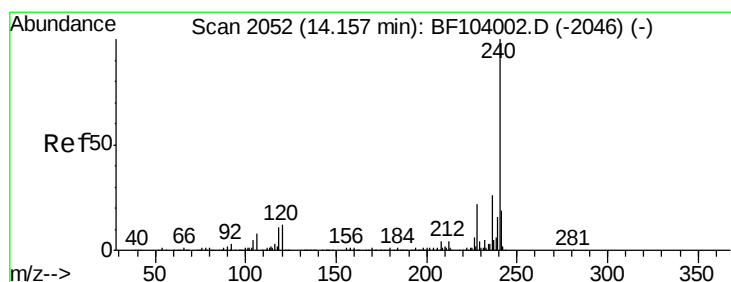
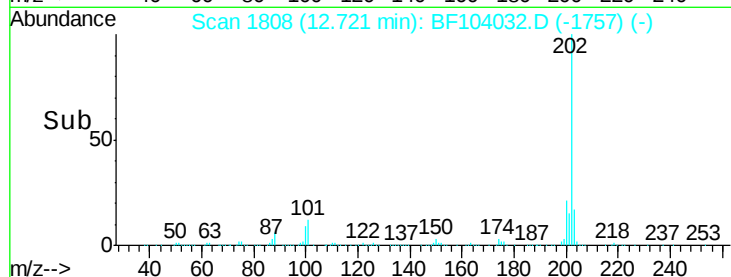
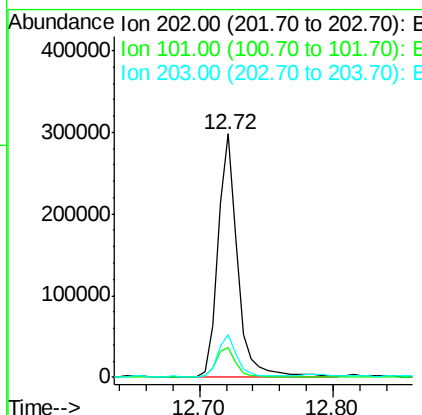
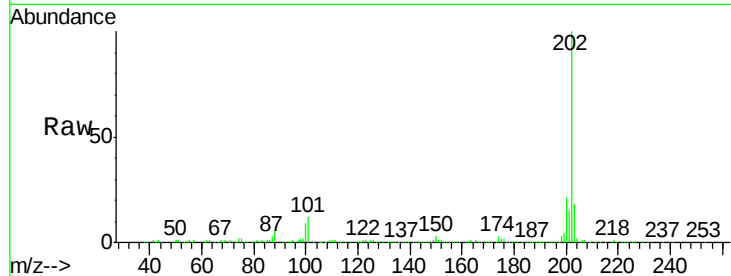
ClientSampleId :

TEC-RCA-COMP

Tot Ion	Ion	Ratio	Resp	Lower	Upper
202	100		308142		
101	12.2	0.0	34.1		
203	17.6	0.0	38.1		

Manual Integrations
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#75

Chrysene-d12

Concen: 20.000 ng

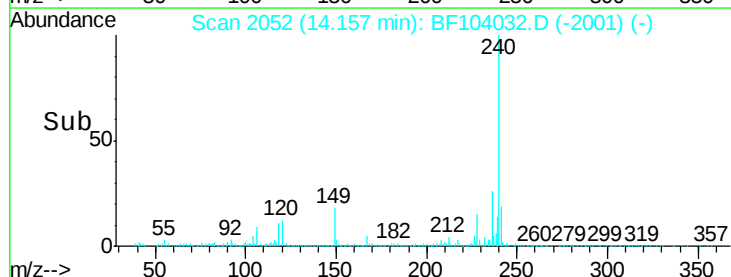
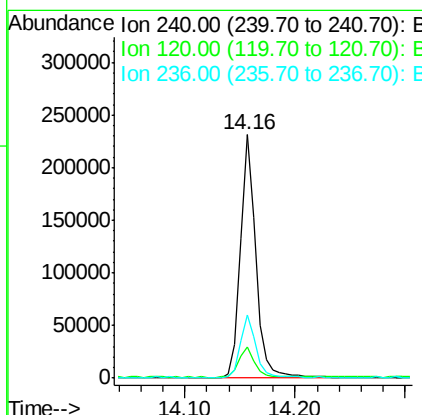
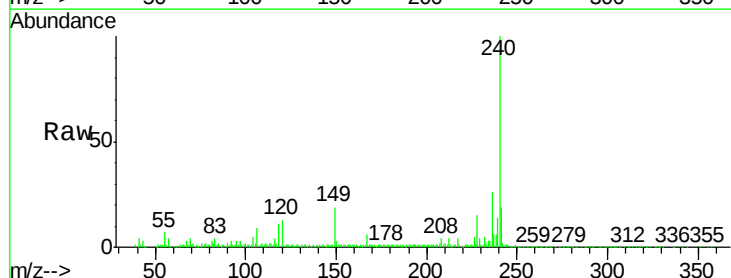
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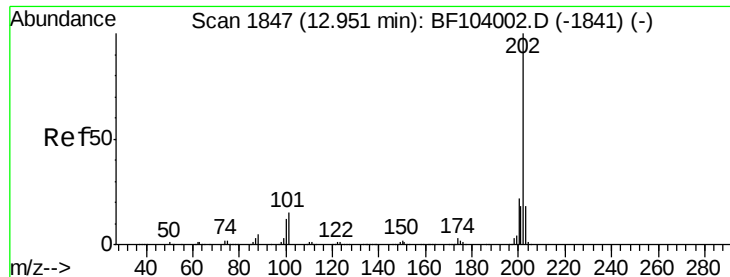
Delta R.T. -0.00 min

Lab File: BF104032.D

Acq: 29 Mar 2018 1:06

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
240	100		227316		
120	12.8	9.5	14.3		
236	25.7	20.7	31.1		





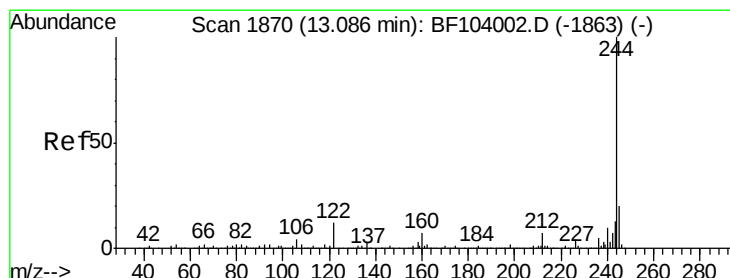
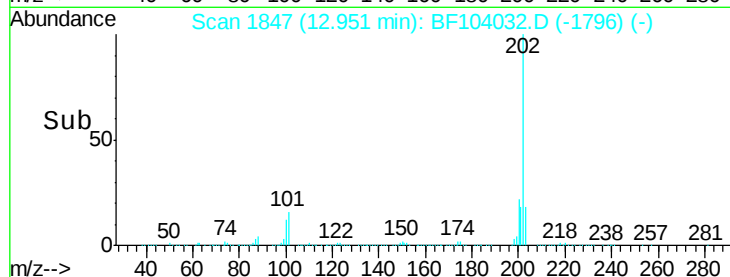
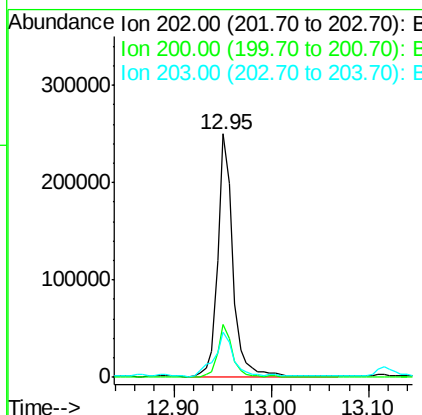
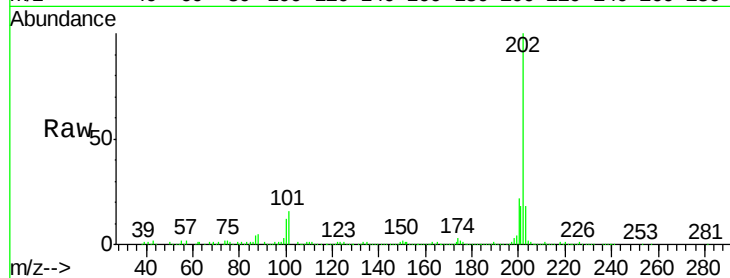
#77
Pvrene
Concen: 16.461 ng
RT: 12.95 min Scan# 1847
Delta R.T. -0.00 min
Lab File: BF104032.D
Acq: 29 Mar 2018 1:06

Instrument :
BNA_F
ClientSampleId :
TEC-RCA-COMP

Tot Ion	Ratio	Lower	Upper
202	100		
200	21.6	17.4	26.2
203	18.5	14.3	21.5

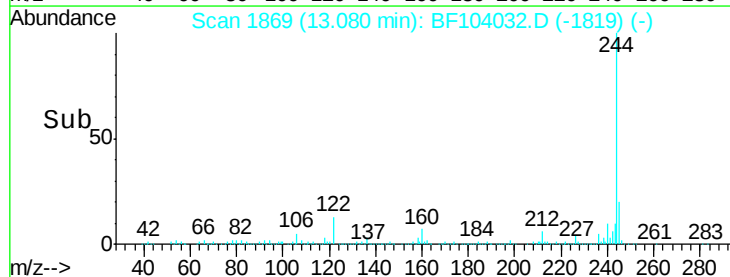
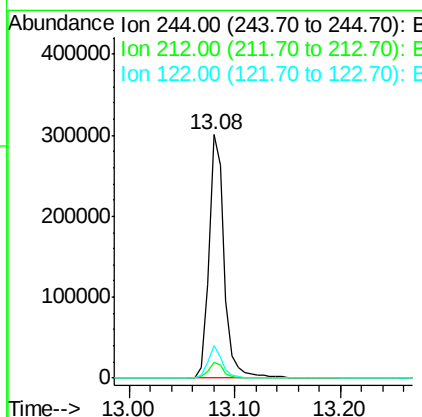
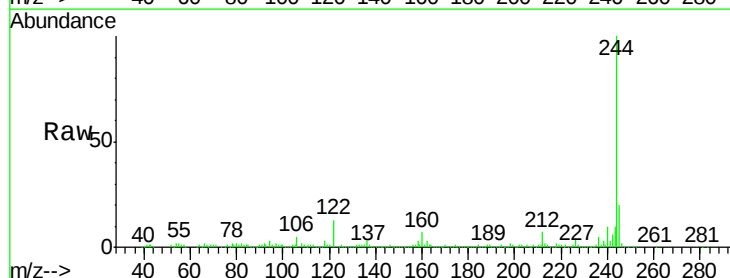
Manual Integrations
APPROVED

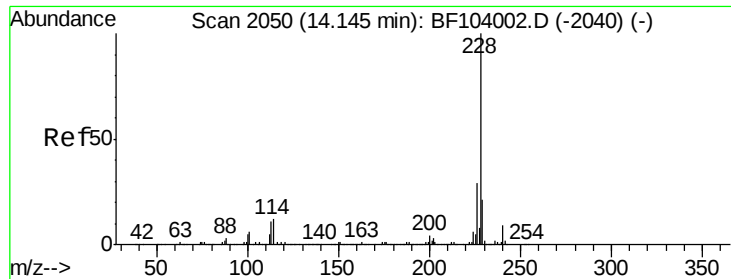
Sohil
3/29/2018 5:36:48 PM



#78
Terphenyl-d14
Concen: 30.855 ng
RT: 13.08 min Scan# 1869
Delta R.T. -0.01 min
Lab File: BF104032.D
Acq: 29 Mar 2018 1:06

Tgt Ion	Ratio	Lower	Upper
244	100		
212	6.6	5.4	8.0
122	13.2	11.0	16.4





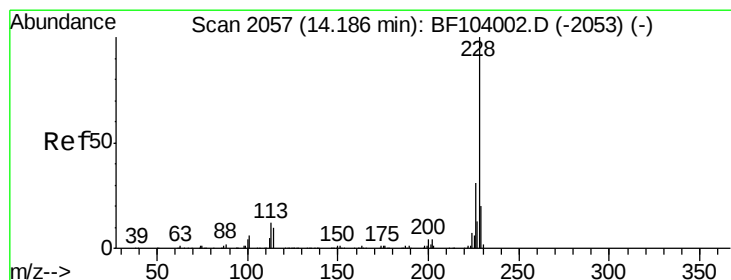
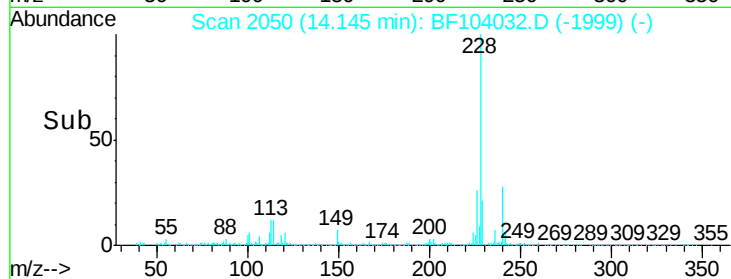
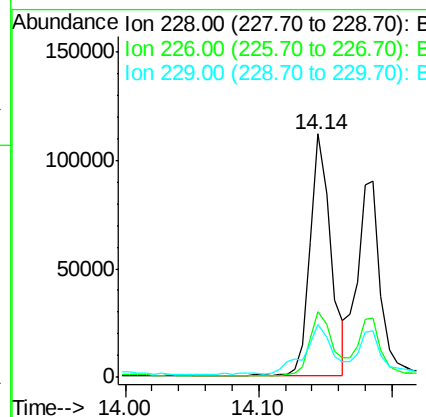
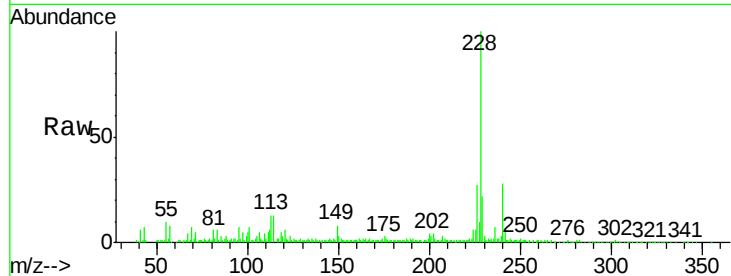
#80
Benzo(a)anthracene
Concen: 8.427 ng
RT: 14.14 min Scan# 2050
Delta R.T. -0.00 min
Lab File: BF104032.D
Acq: 29 Mar 2018 1:06

Instrument :
BNA_F
ClientSampleId :
TEC-RCA-COMP

Tot Ion	Ratio	Lower	Upper
228	100		
226	26.7	22.6	33.8
229	22.0	15.8	23.6

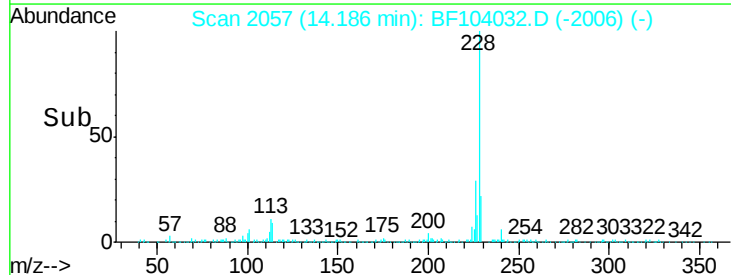
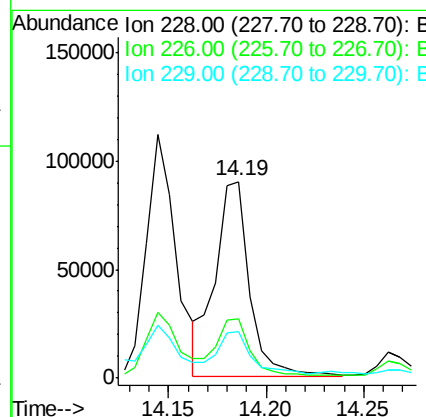
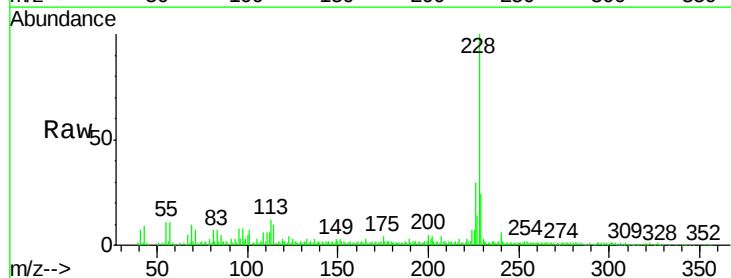
Manual Integrations
APPROVED

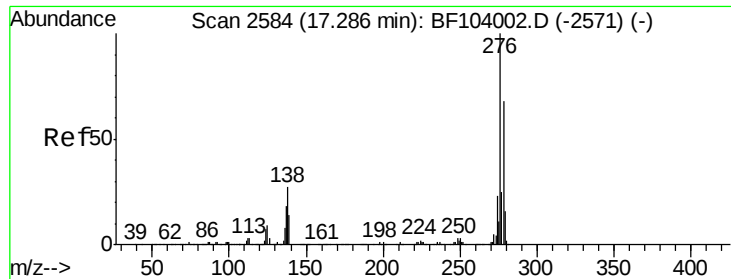
Sohil
3/29/2018 5:36:48 PM



#82
Chrysene
Concen: 7.957 ng
RT: 14.19 min Scan# 2057
Delta R.T. -0.00 min
Lab File: BF104032.D
Acq: 29 Mar 2018 1:06

Tgt Ion	Ratio	Lower	Upper
228	100		
226	30.3	25.0	37.6
229	23.6	16.2	24.4





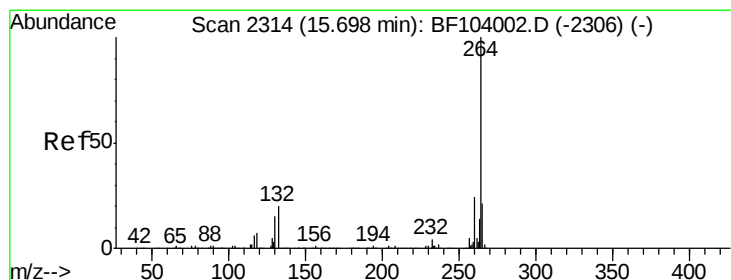
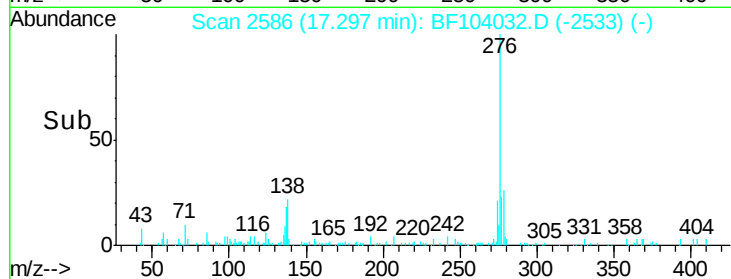
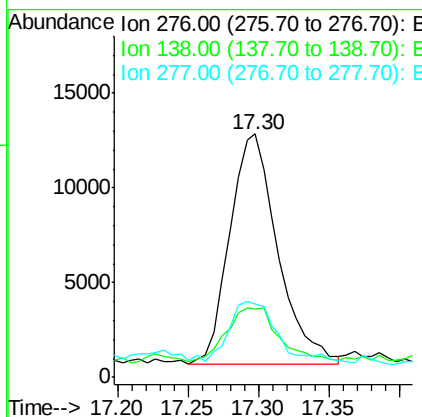
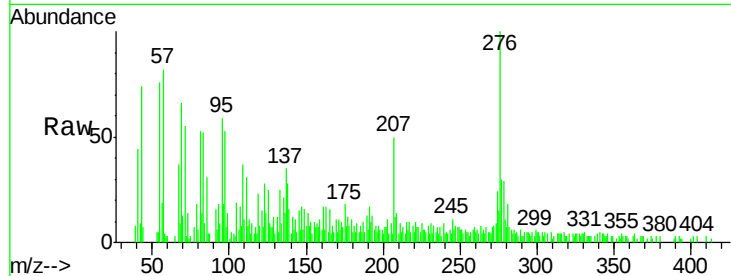
#85
Indeno(1,2,3-cd)pyrene
Concen: 2.005 ng
RT: 17.30 min Scan# 2586
Delta R.T. 0.01 min
Lab File: BF104032.D
Acq: 29 Mar 2018 1:06

Instrument :
BNA_F
ClientSampleId :
TEC-RCA-COMP

Tot Ion	Ratio	Lower	Upper
276	100		
138	25.5	25.0	37.6
277	26.2	20.1	30.1

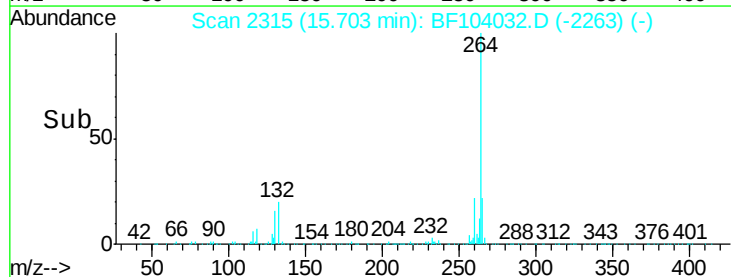
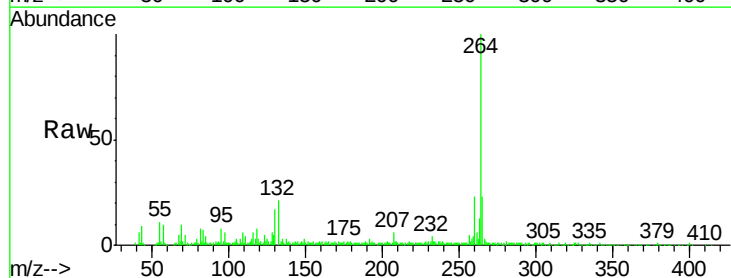
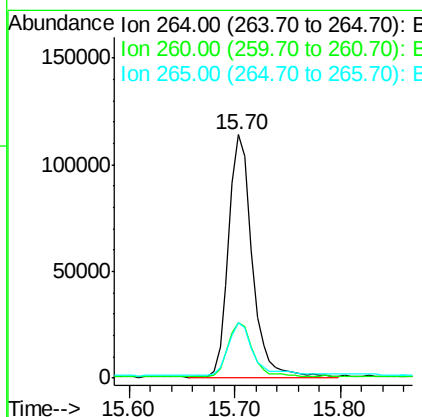
Manual Integrations
APPROVED

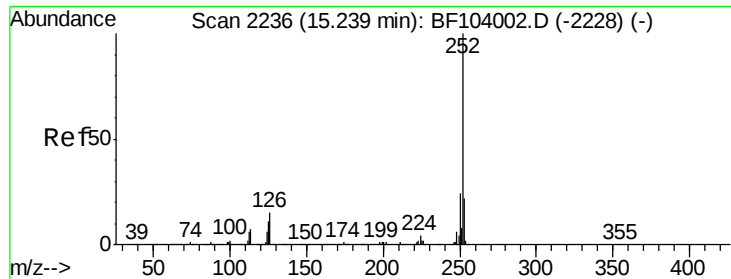
Sohil
3/29/2018 5:36:48 PM



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.70 min Scan# 2315
Delta R.T. 0.01 min
Lab File: BF104032.D
Acq: 29 Mar 2018 1:06

Tgt Ion	Ratio	Lower	Upper
264	100		
260	22.8	19.2	28.8
265	22.8	17.5	26.3





#87

Benzo(b)fluoranthene

Concen: 8.672 ng m

RT: 15.24 min Scan# 2237

Delta R.T. 0.01 min

Lab File: BF104032.D

Acq: 29 Mar 2018 1:06

Instrument :

BNA_F

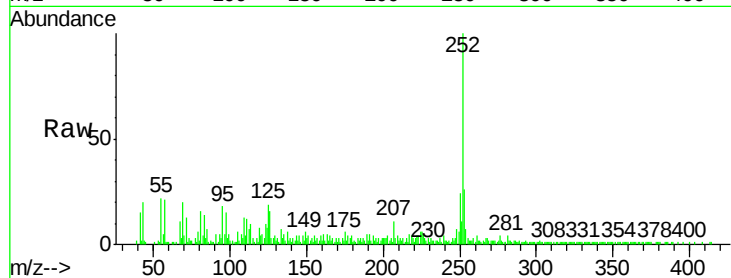
ClientSampleId :

TEC-RCA-COMP

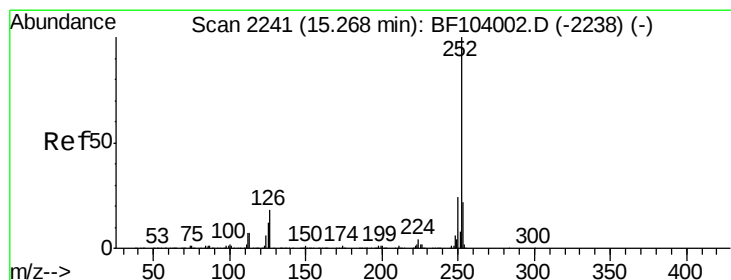
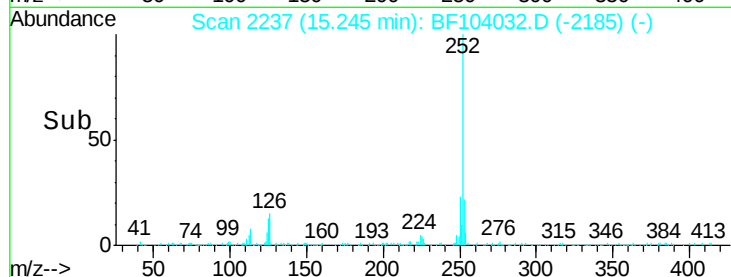
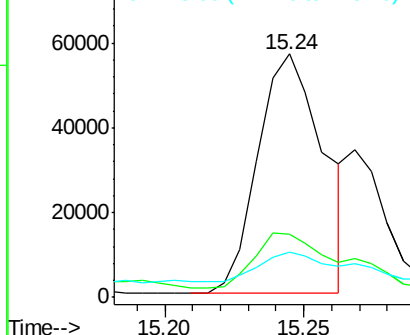
Tot Ion:	252	Resp:	92857
Ion Ratio	Lower	Upper	
252	100		
253	26.0	17.0	25.6#
125	18.7	9.0	13.6#

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



#88

Benzo(k)fluoranthene

Concen: 3.349 ng m

RT: 15.27 min Scan# 2241

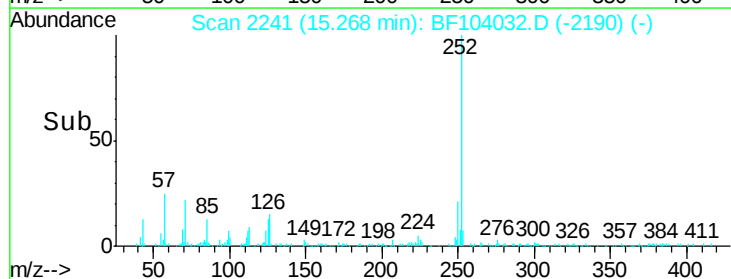
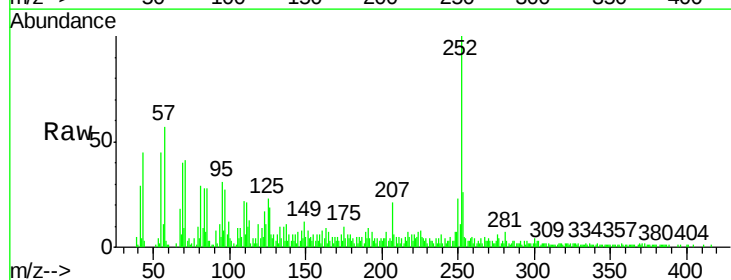
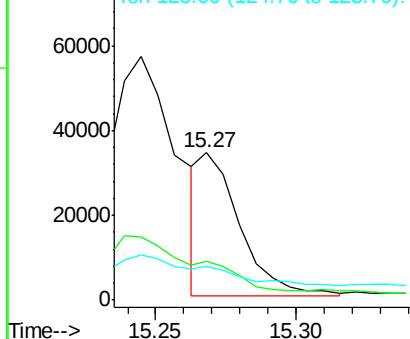
Delta R.T. -0.00 min

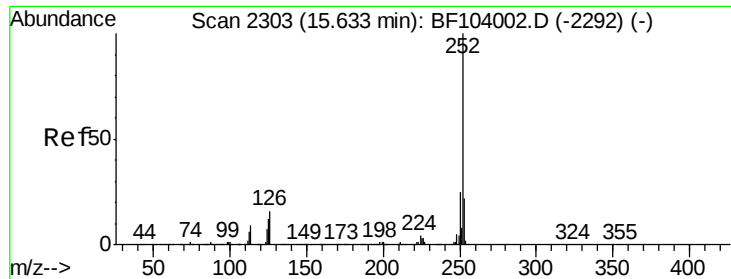
Lab File: BF104032.D

Acq: 29 Mar 2018 1:06

Tgt Ion:	252	Resp:	33783
Ion Ratio	Lower	Upper	
252	100		
253	26.0	17.9	26.9
125	23.0	10.2	15.2#

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





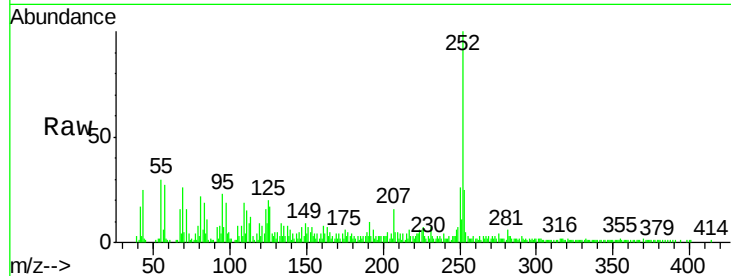
#89
Benzo(a)pyrene
Concen: 6.197 ng
RT: 15.64 min Scan# 2304
Delta R.T. 0.01 min
Lab File: BF104032.D
Acq: 29 Mar 2018 1:06

Instrument :
BNA_F
ClientSampleId :
TEC-RCA-COMP

Tot Ion	Ratio	Lower	Upper
252	100		
253	25.2	17.1	25.7
125	19.6	9.8	14.6

Manual Integrations
APPROVED

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3/29/2018 5:36:48 PM

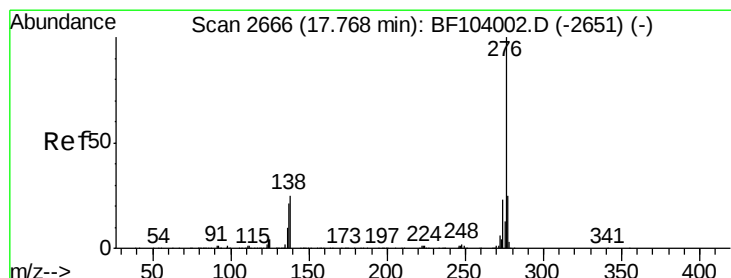
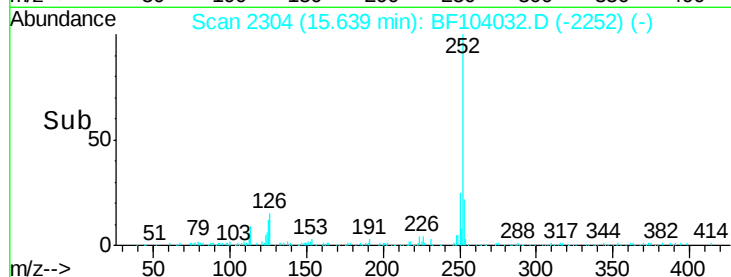
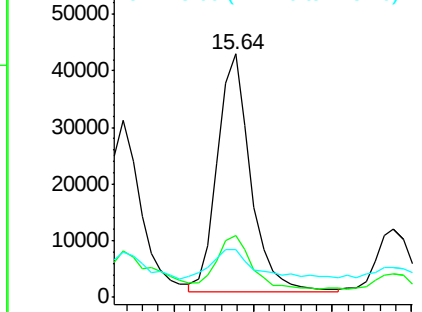


Abundance

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(g,h,i)perylene
Concen: 2.880 ng
RT: 17.79 min Scan# 2669
Delta R.T. 0.02 min
Lab File: BF104032.D
Acq: 29 Mar 2018 1:06

Tgt Ion	Ratio	Lower	Upper
276	100		
277	27.3	17.9	26.9
138	28.3	21.8	32.8

Abundance

Ion 276.00 (275.70 to 276.70): E

Ion 277.00 (276.70 to 277.70): E

Ion 138.00 (137.70 to 138.70): E

