

Data Path : Z:\HPCHEM1\BNA F\DATA\BF032918\
 Data File : BF104054.D
 Acq On : 29 Mar 2018 16:42
 Operator : JU/SJ
 Sample : J2080-07 2X
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TEC-RCA-COMP

Manual Integrations
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Sohil
 3/30/2018 6:00:52 PM

Quant Time: Mar 30 04:14:38 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	114265	20.00	ng	0.00
21) Naphthalene-d8	8.25	136	489437	20.00	ng	0.00
38) Acenaphthene-d10	10.00	164	209028	20.00	ng	0.00
63) Phenanthrene-d10	11.50	188	315273	20.00	ng	0.00
75) Chrysene-d12	14.16	240	236254	20.00	ng	0.00
86) Perylene-d12	15.71	264	193304	20.00	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.59	112	305388	42.62	ng	0.00
7) Phenol-d6	6.59	99	440217	49.94	ng	-0.01
23) Nitrobenzene-d5	7.53	82	252637	31.57	ng	0.00
41) 2,4,6-Tribromophenol	10.80	330	91086	39.13	ng	0.00
44) 2-Fluorobiphenyl	9.32	172	464973	35.08	ng	0.00
78) Terphenyl-d14	13.08	244	318730	31.15	ng	0.00
Target Compounds						
70) Phenanthrene	11.53	178	163542	9.581	ng	97
71) Anthracene	11.58	178	60887	3.415	ng	98
73) Di-n-butylphthalate	12.04	149	87047	4.294	ng	99
74) Fluoranthene	12.72	202	325012	17.913	ng	96
77) Pyrene	12.95	202	278570	16.403	ng	98
80) Benzo(a)anthracene	14.14	228	128162	8.670	ng	96
82) Chrysene	14.19	228	108105	7.466	ng	98
85) Indeno(1,2,3-cd)pyrene	17.30	276	31216	2.081	ng	92
87) Benzo(b)fluoranthene	15.24	252	107733m	9.158	ng	
88) Benzo(k)fluoranthene	15.27	252	31018m	2.799	ng	
89) Benzo(a)pyrene	15.64	252	67105	6.155	ng	# 88
91) Benzo(a,h,i)perylene	17.79	276	30491	3.020	ng	# 93

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

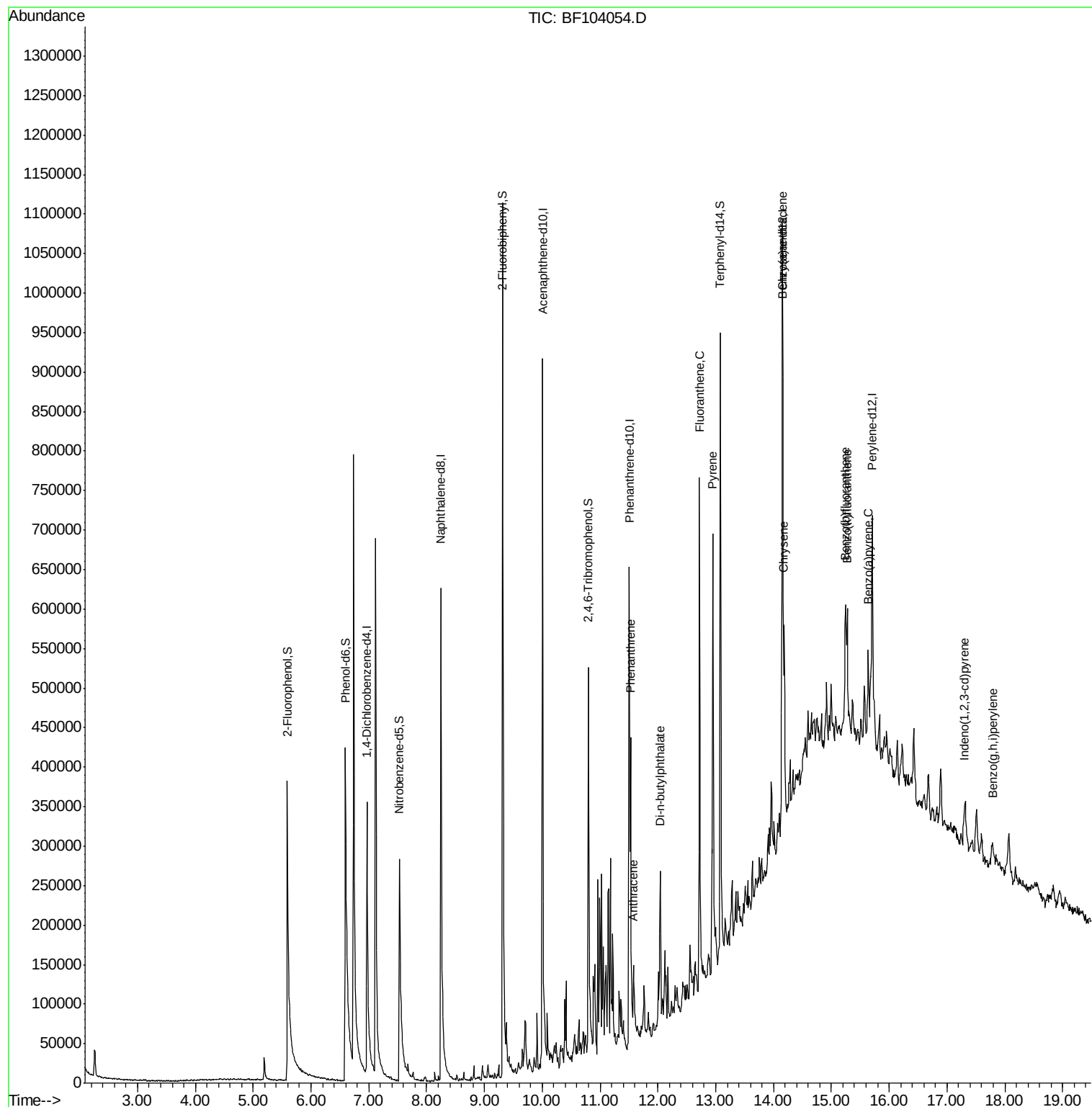
Data Path : Z:\HPCHEM1\BNA F\DATA\BF032918\
Data File : BF104054.D
Acq On : 29 Mar 2018 16:42
Operator : JU/SJ
Sample : J2080-07 2X
Misc :
ALS Vial : 12 Sample Multiplier: 1

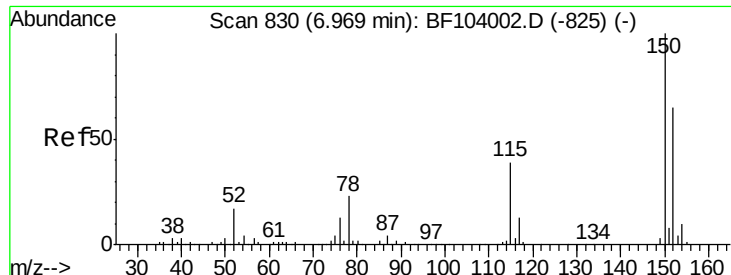
Instrument :
BNA_F
ClientSampleId :
TEC-RCA-COMP

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Quant Time: Mar 30 04:14:38 2018
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#1

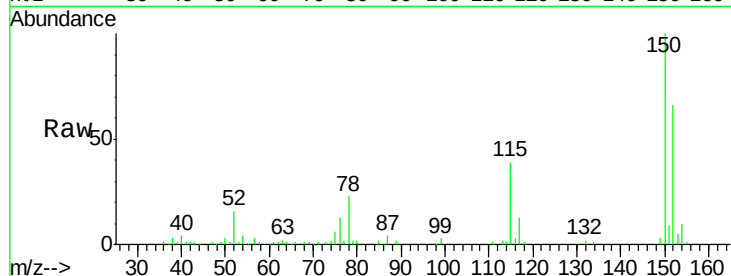
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.97 min Scan# 830
Delta R.T. -0.00 min
Lab File: BF104054.D
Acq: 29 Mar 2018 16:42

Instrument :
BNA_F
ClientSampleId :
TEC-RCA-COMP

Tot Ion	Ratio	Lower	Upper
152	100		
150	151.9	124.6	186.8
115	59.5	50.1	75.1

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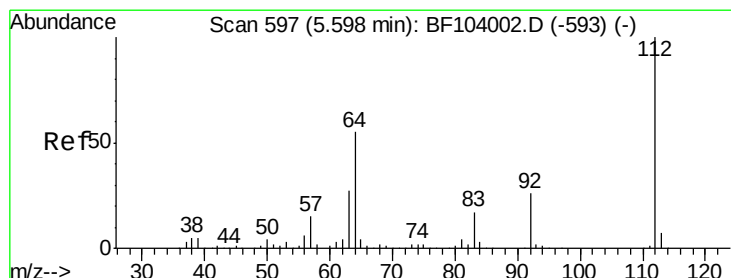
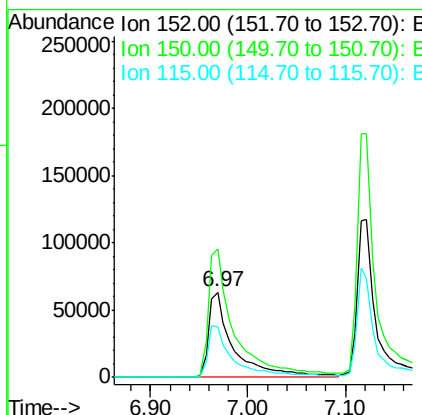
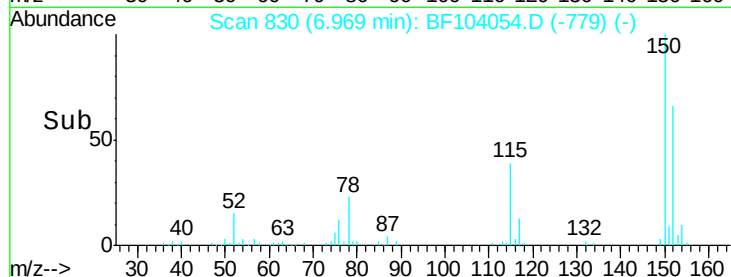


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

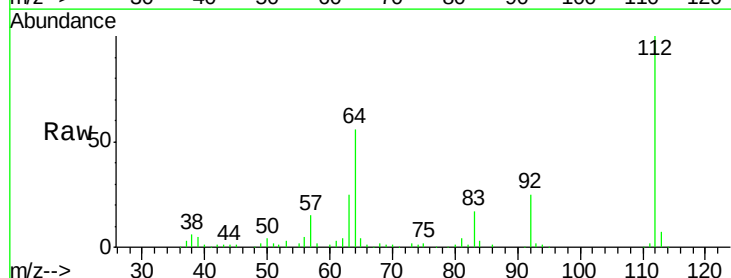
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 42.622 ng
RT: 5.59 min Scan# 596
Delta R.T. -0.01 min
Lab File: BF104054.D
Acq: 29 Mar 2018 16:42

Tgt Ion	Ratio	Lower	Upper
112	100		
64	55.7	47.9	71.9
63	25.1	23.7	35.5

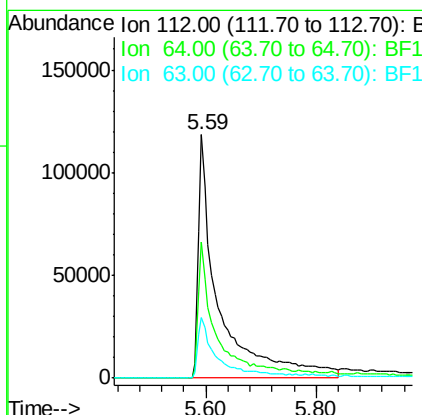
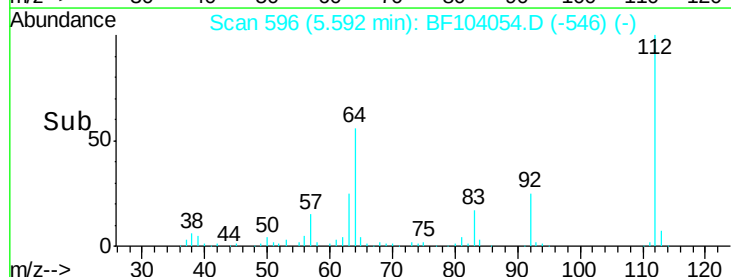


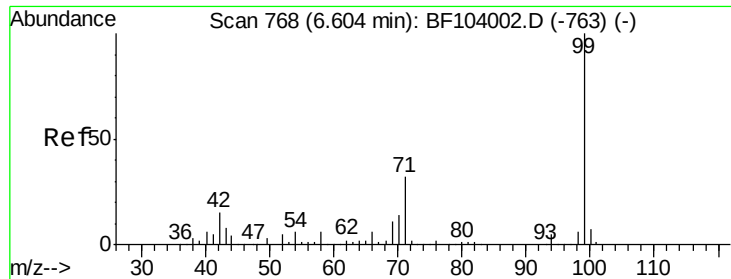
Abundance

Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF1

Ion 63.00 (62.70 to 63.70): BF1





#7

Phenol-d6

Concen: 49.938 ng

RT: 6.59 min Scan# 766

Delta R.T. -0.01 min

Lab File: BF104054.D

Acq: 29 Mar 2018 16:42

Instrument :

BNA_F

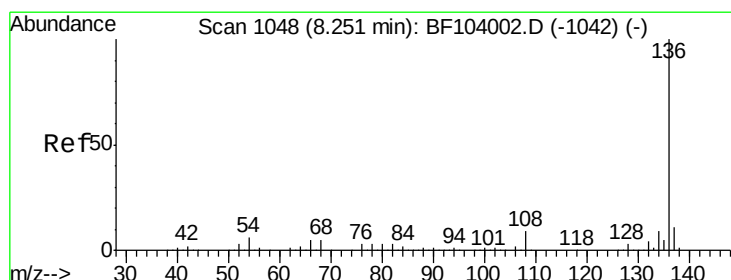
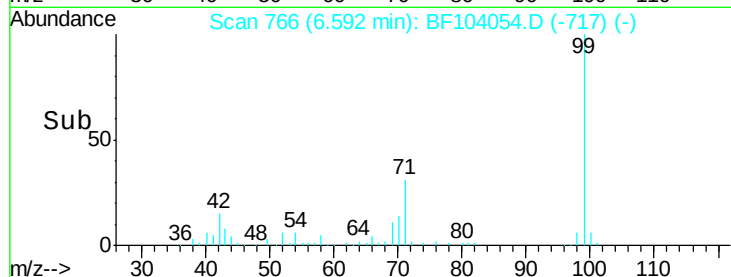
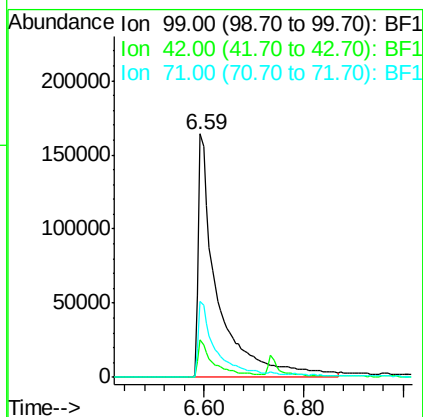
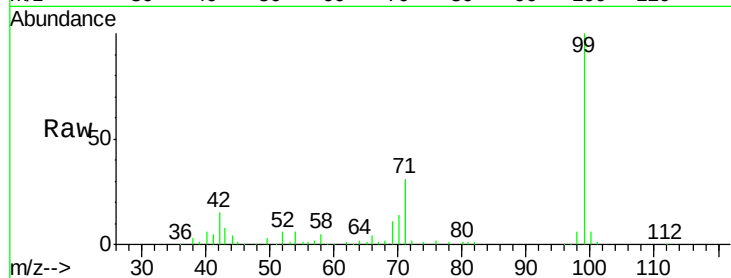
ClientSampleId :

TEC-RCA-COMP

Tot Ion:	99	Resp:	440217
Ion Ratio	Lower	Upper	
99	100		
42	15.4	14.5	21.7
71	31.4	25.4	38.0

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#21

Naphthalene-d8

Concen: 20.000 ng

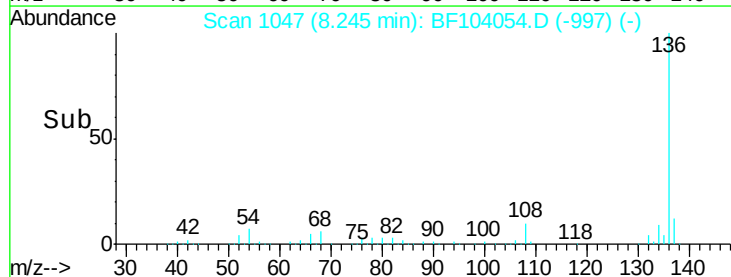
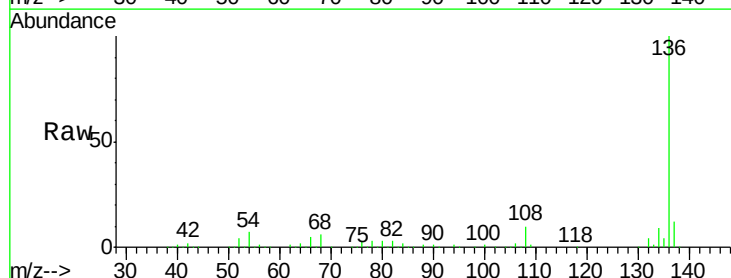
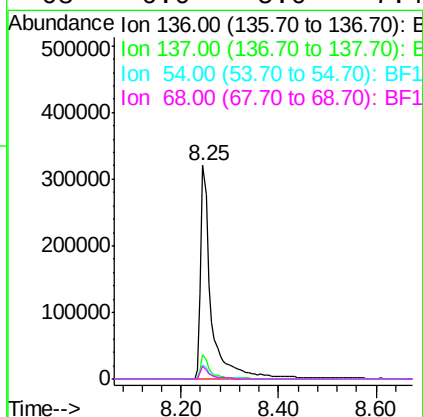
RT: 8.25 min Scan# 1047

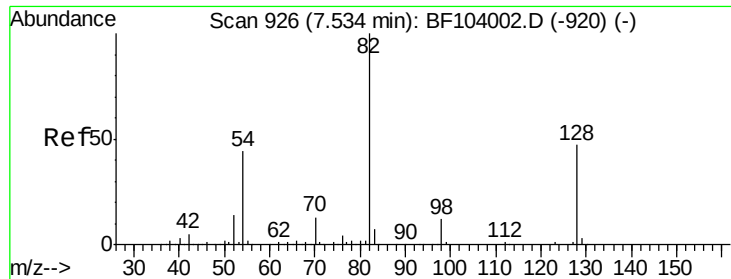
Delta R.T. -0.01 min

Lab File: BF104054.D

Acq: 29 Mar 2018 16:42

Tgt Ion:	136	Resp:	489437
Ion Ratio	Lower	Upper	
136	100		
137	11.6	8.9	13.3
54	6.8	6.6	9.8
68	6.0	5.0	7.4





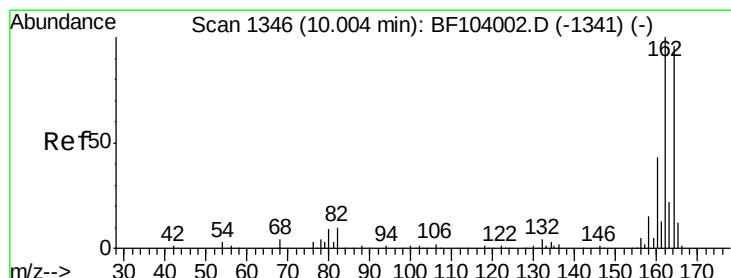
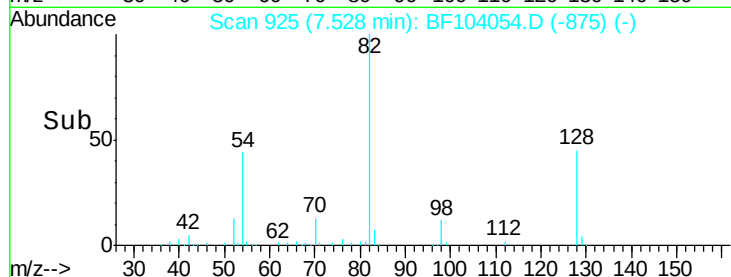
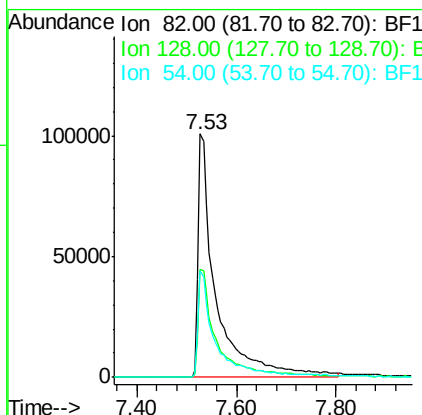
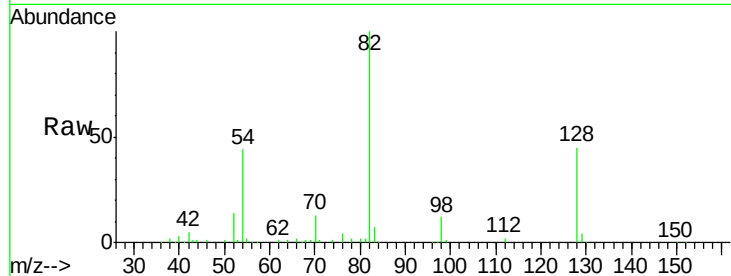
#23
 Nitrobenzene-d5
 Concen: 31.567 ng
 RT: 7.53 min Scan# 925
 Delta R.T. -0.01 min
 Lab File: BF104054.D
 Acq: 29 Mar 2018 16:42

Instrument :
 BNA_F
 ClientSampleId :
 TEC-RCA-COMP

Tot Ion	Ratio	Lower	Upper
82	100		
128	44.6	36.1	54.1
54	43.9	41.4	62.2

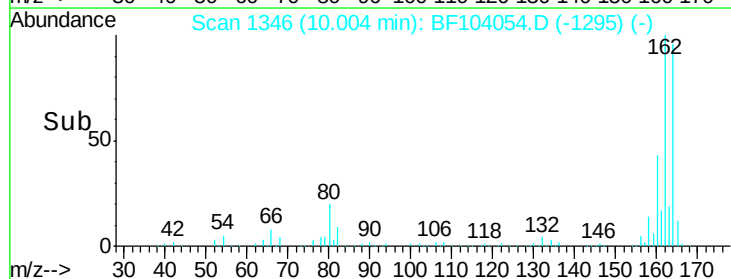
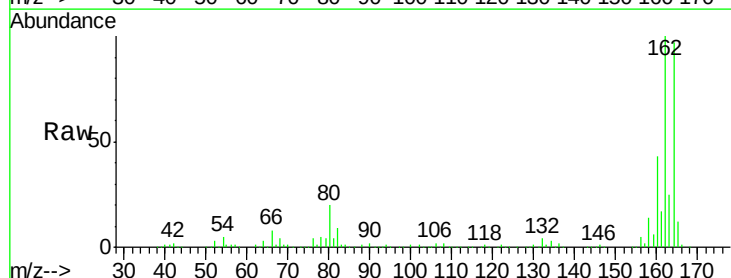
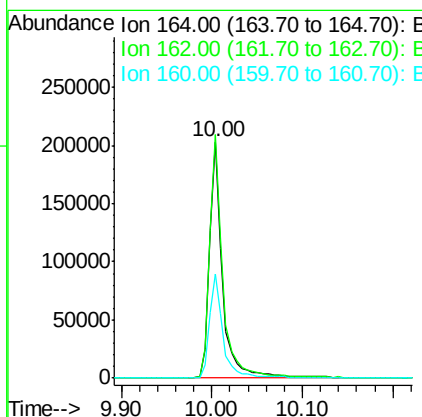
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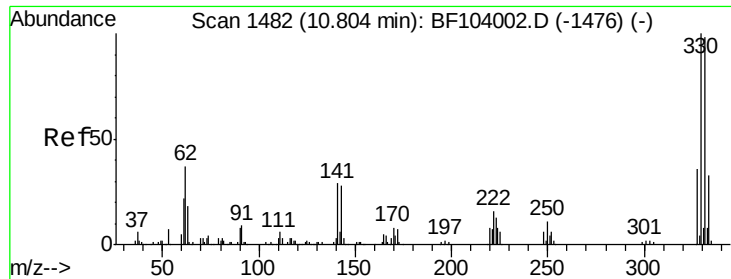
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#38
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 10.00 min Scan# 1346
 Delta R.T. -0.00 min
 Lab File: BF104054.D
 Acq: 29 Mar 2018 16:42

Tgt Ion	Ratio	Lower	Upper
164	100		
162	103.0	86.1	129.1
160	44.2	38.3	57.5





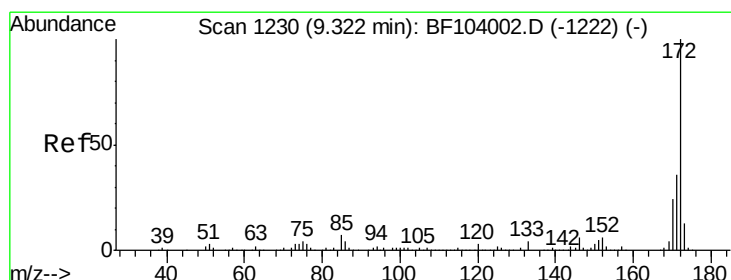
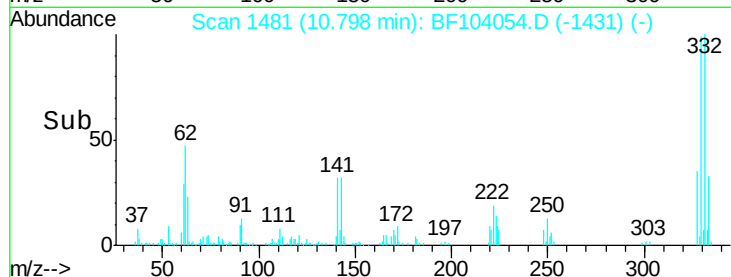
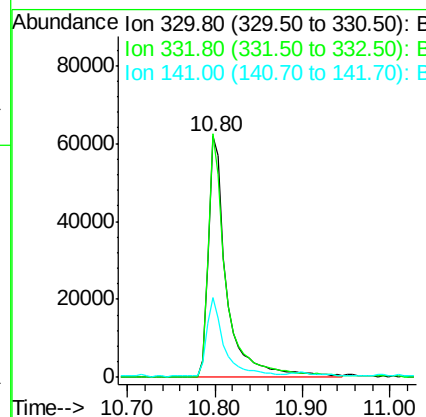
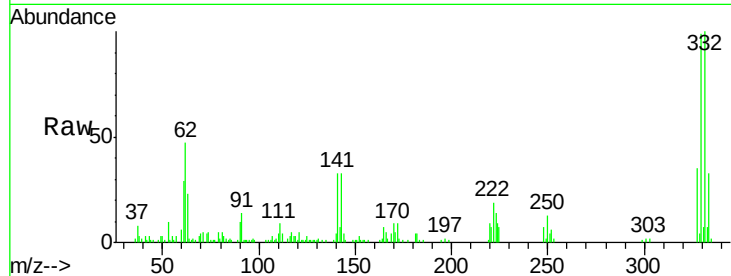
#41
 2,4,6-Tribromophenol
 Concen: 39.134 ng
 RT: 10.80 min Scan# 1481
 Delta R.T. -0.01 min
 Lab File: BF104054.D
 Acq: 29 Mar 2018 16:42

Instrument :
 BNA_F
 ClientSampleId :
 TEC-RCA-COMP

Tot Ion	Ratio	Lower	Upper
330	100		
332	99.2	77.0	115.6
141	31.5	29.9	44.9

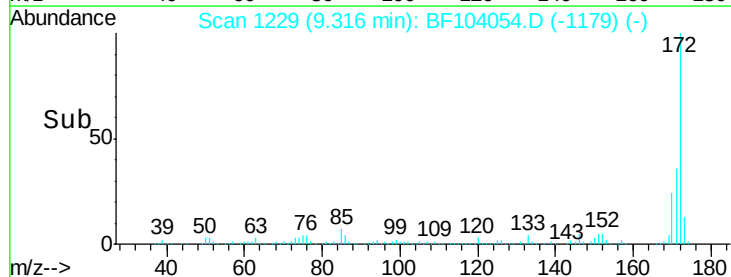
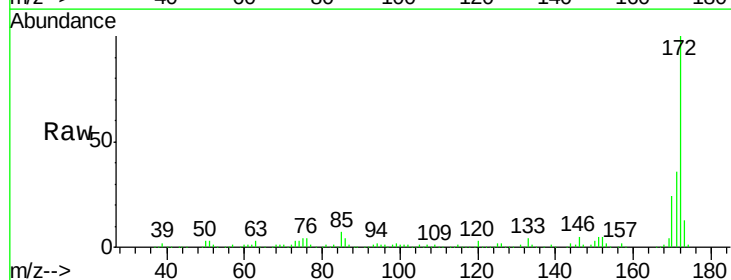
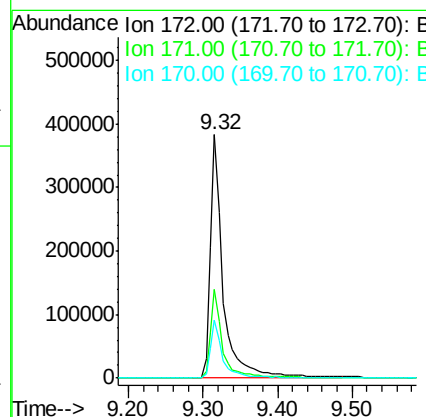
Manual Integrations
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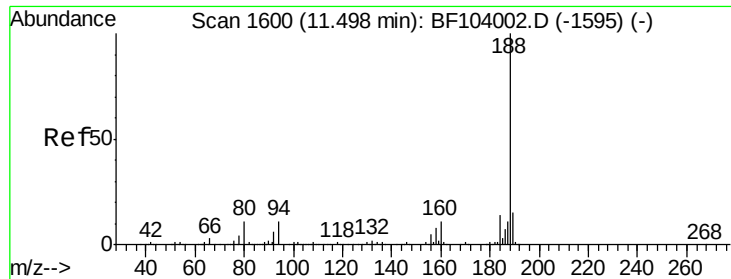
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#44
 2-Fluorobiphenyl
 Concen: 35.078 ng
 RT: 9.32 min Scan# 1229
 Delta R.T. -0.01 min
 Lab File: BF104054.D
 Acq: 29 Mar 2018 16:42

Tgt Ion	Ratio	Lower	Upper
172	100		
171	36.3	29.7	44.5
170	24.1	19.6	29.4





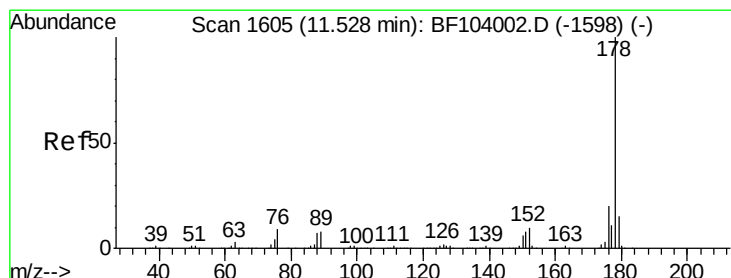
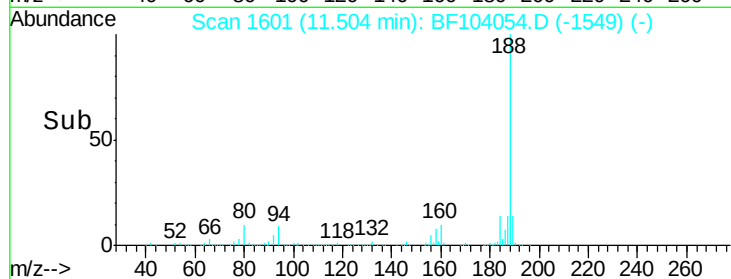
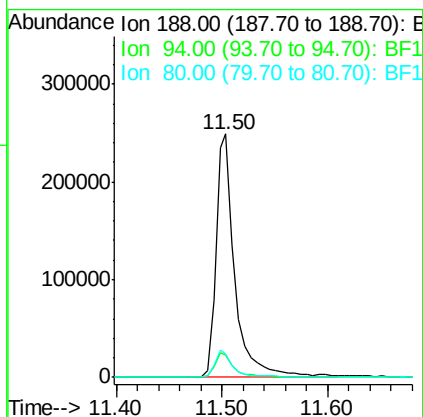
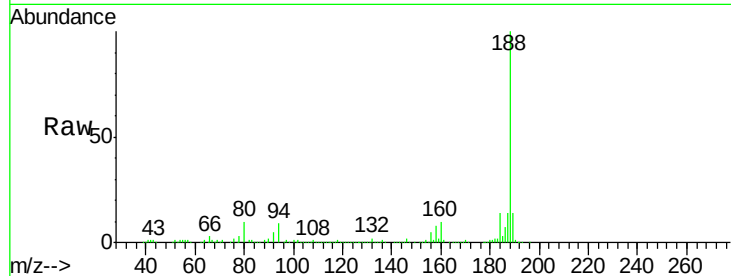
#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.50 min Scan# 1601
Delta R.T. 0.01 min
Lab File: BF104054.D
Acq: 29 Mar 2018 16:42

Instrument :
BNA_F
ClientSampleId :
TEC-RCA-COMP

Tot Ion	Ratio	Resp	Lower	Upper
188	100	315273		
94	9.1		8.5	12.7
80	9.7		9.2	13.8

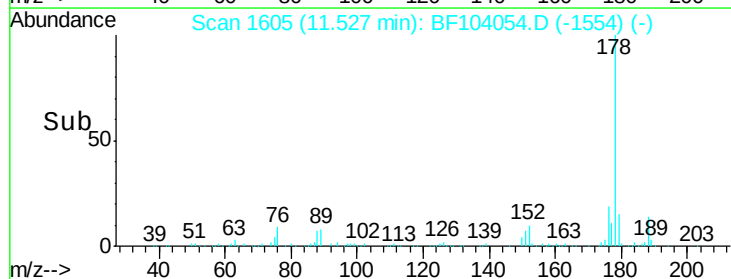
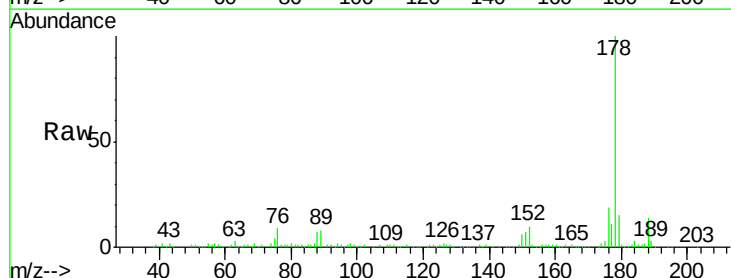
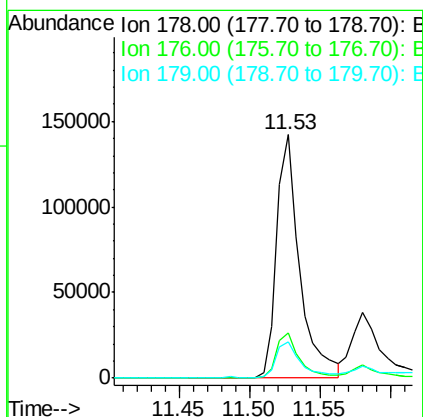
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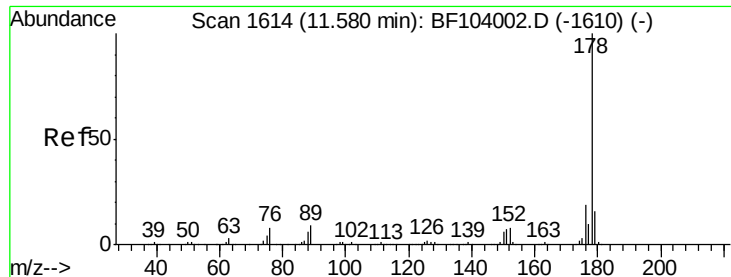
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#70
Phenanthrene
Concen: 9.581 ng
RT: 11.53 min Scan# 1605
Delta R.T. -0.00 min
Lab File: BF104054.D
Acq: 29 Mar 2018 16:42

Tgt Ion	Ratio	Resp	Lower	Upper
178	100	163542		
176	18.6		15.8	23.8
179	14.9		13.0	19.6





#71

Anthracene

Concen: 3.415 ng

RT: 11.58 min Scan# 1614

Delta R.T. -0.00 min

Lab File: BF104054.D

Acq: 29 Mar 2018 16:42

Instrument :

BNA_F

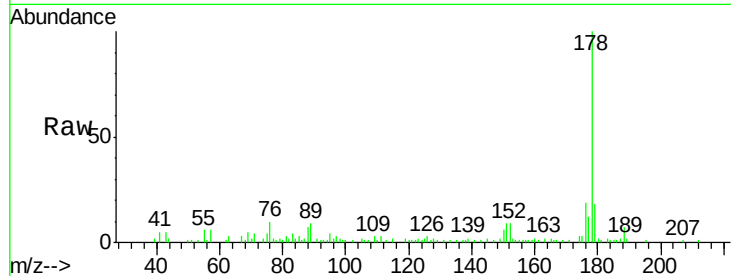
ClientSampleId :

TEC-RCA-COMP

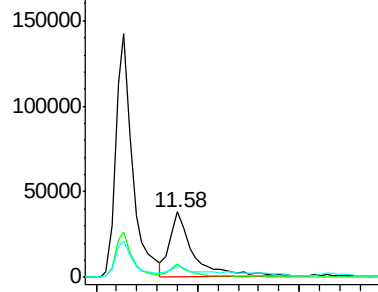
Tot Ion:	178	Resp:	60887
Ion	Ratio	Lower	Upper
178	100		
176	19.5	15.4	23.2
179	17.7	12.6	19.0

Manual Integrations
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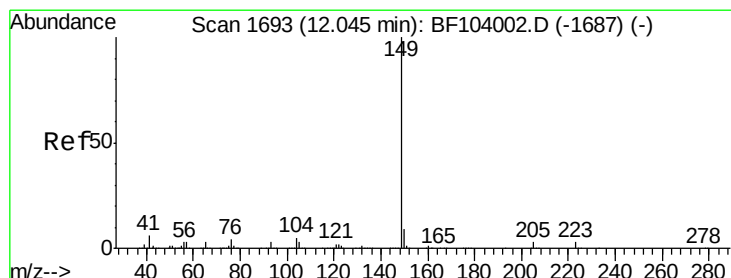
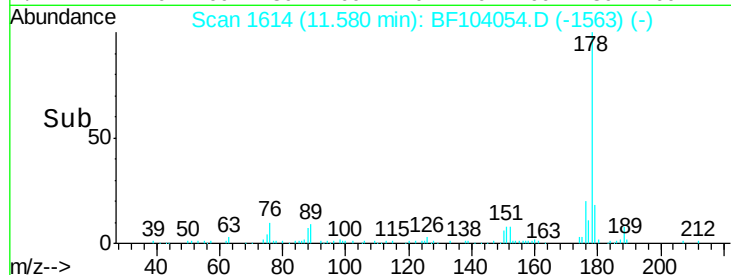
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Abundance Ion 178.00 (177.70 to 178.70): E
Ion 176.00 (175.70 to 176.70): E
Ion 179.00 (178.70 to 179.70): E



Time-->



#73

Di-n-butylphthalate

Concen: 4.294 ng

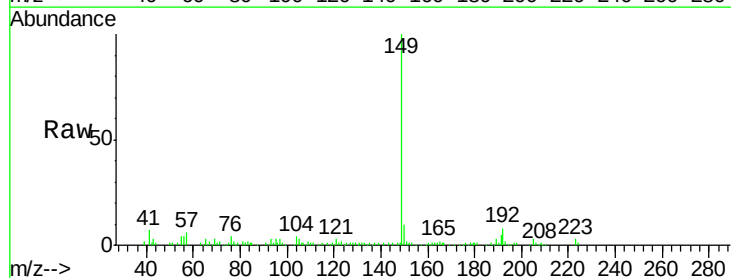
RT: 12.04 min Scan# 1693

Delta R.T. -0.00 min

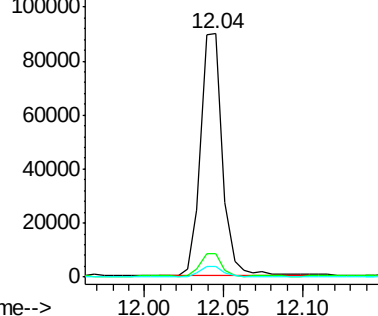
Lab File: BF104054.D

Acq: 29 Mar 2018 16:42

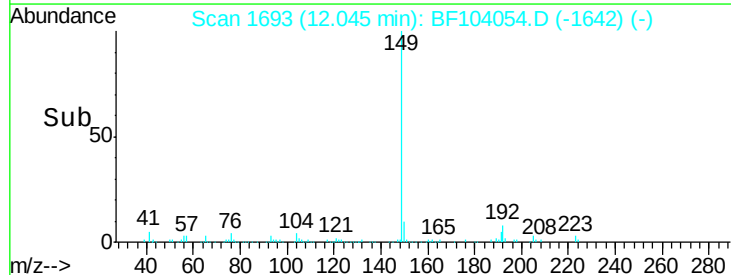
Tgt Ion:	149	Resp:	87047
Ion	Ratio	Lower	Upper
149	100		
150	9.5	7.8	11.6
104	4.2	3.8	5.8

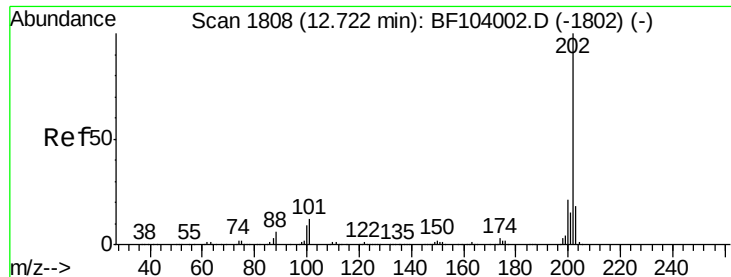


Abundance Ion 149.00 (148.70 to 149.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 104.00 (103.70 to 104.70): E



Time-->





#74

Fluoranthene

Concen: 17.913 ng

RT: 12.72 min Scan# 1808

Delta R.T. -0.00 min

Lab File: BF104054.D

Acq: 29 Mar 2018 16:42

Instrument :

BNA_F

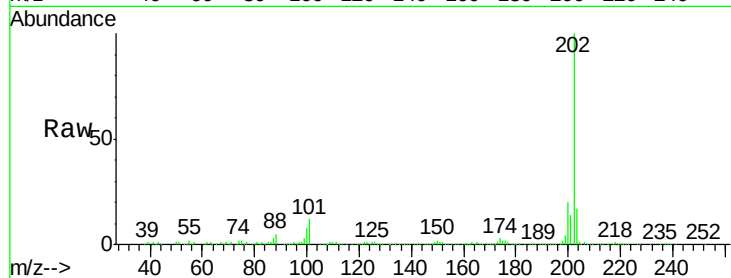
ClientSampleId :

TEC-RCA-COMP

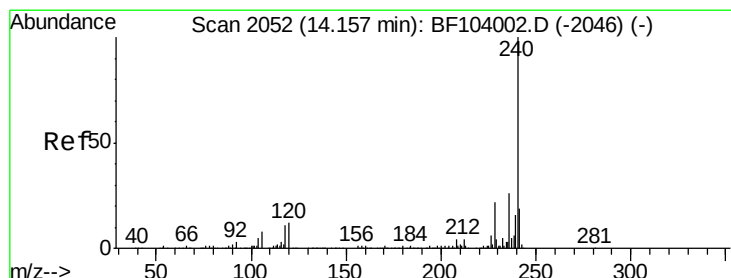
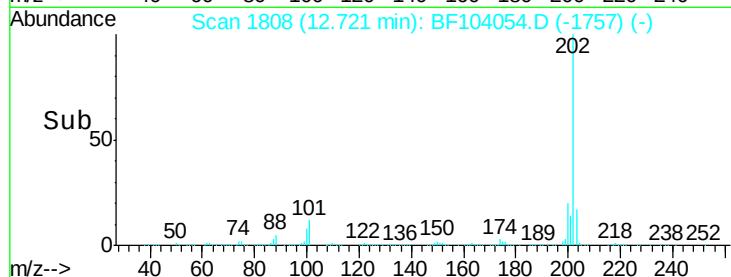
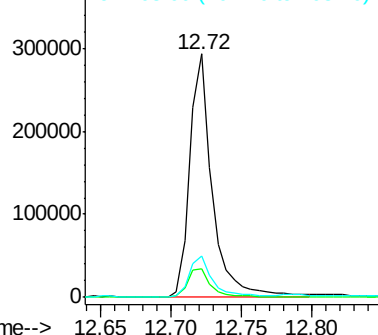
Tot Ion	Ratio	Resp Lower	Upper
202	100		
101	11.6	0.0	34.1
203	16.9	0.0	38.1

Manual Integrations
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Abundance Ion 202.00 (201.70 to 202.70): E
400000
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: 14.16 min Scan# 2052

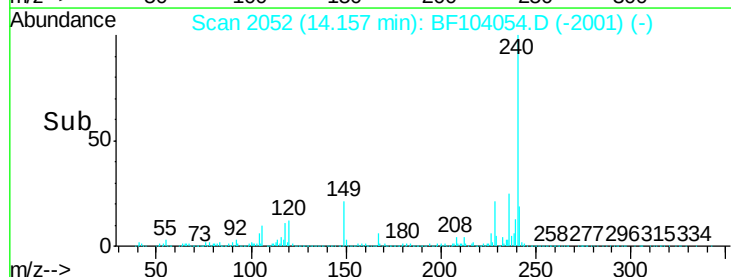
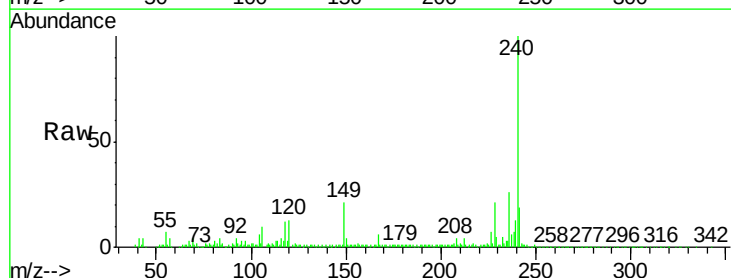
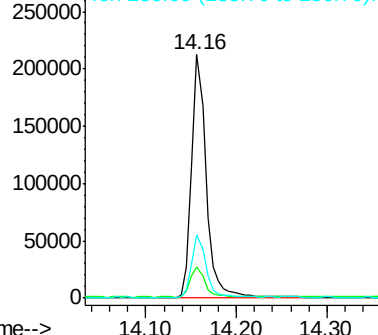
Delta R.T. -0.00 min

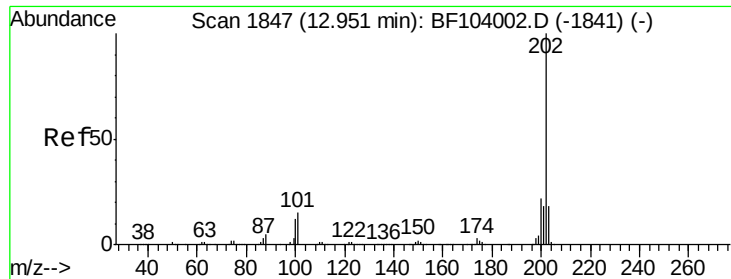
Lab File: BF104054.D

Acq: 29 Mar 2018 16:42

Tgt Ion	Ratio	Resp Lower	Upper
240	100		
120	12.6	9.5	14.3
236	25.7	20.7	31.1

Abundance Ion 240.00 (239.70 to 240.70): E
250000
Ion 120.00 (119.70 to 120.70): E
Ion 236.00 (235.70 to 236.70): E





#77

Pvrene

Concen: 16.403 ng

RT: 12.95 min Scan# 1847

Delta R.T. -0.00 min

Lab File: BF104054.D

Acq: 29 Mar 2018 16:42

Instrument :

BNA_F

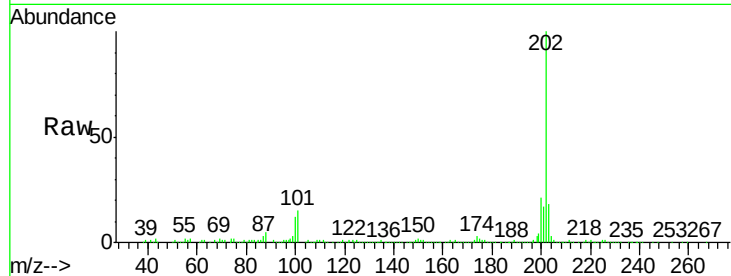
ClientSampleId :

TEC-RCA-COMP

Tot Ion:	202	Resp:	278570
Ion Ratio	Lower	Upper	
202	100		
200	20.7	17.4	26.2
203	18.2	14.3	21.5

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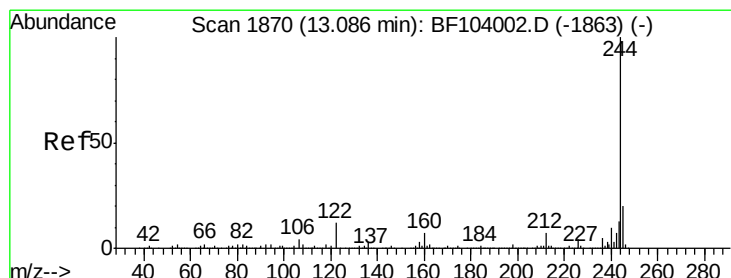
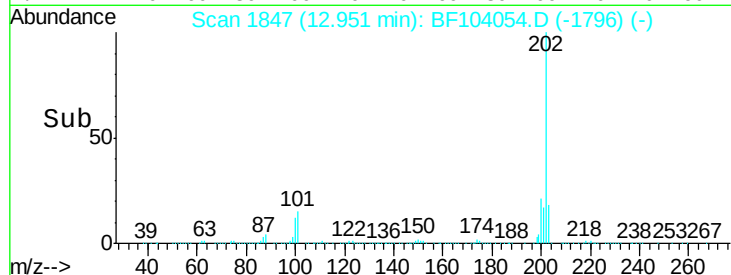
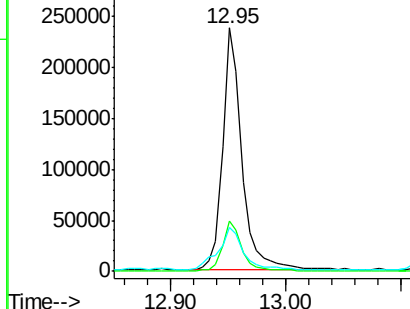
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Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E



#78

Terphenyl-d14

Concen: 31.150 ng

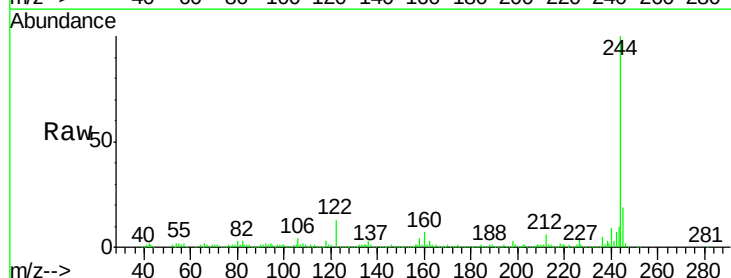
RT: 13.08 min Scan# 1869

Delta R.T. -0.01 min

Lab File: BF104054.D

Acq: 29 Mar 2018 16:42

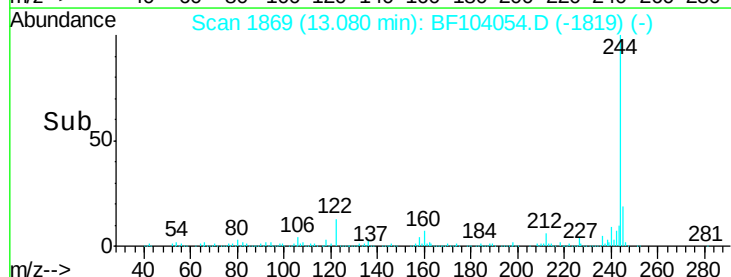
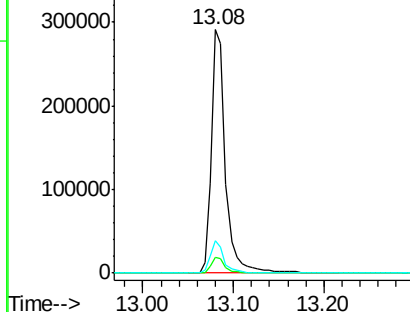
Tgt Ion:	244	Resp:	318730
Ion Ratio	Lower	Upper	
244	100		
212	6.4	5.4	8.0
122	13.5	11.0	16.4

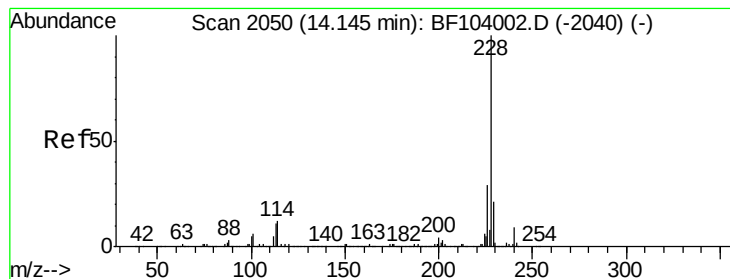


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#80

Benzo(a)anthracene

Concen: 8.670 ng

RT: 14.14 min Scan# 2050

Delta R.T. -0.00 min

Lab File: BF104054.D

Acq: 29 Mar 2018 16:42

Instrument :

BNA_F

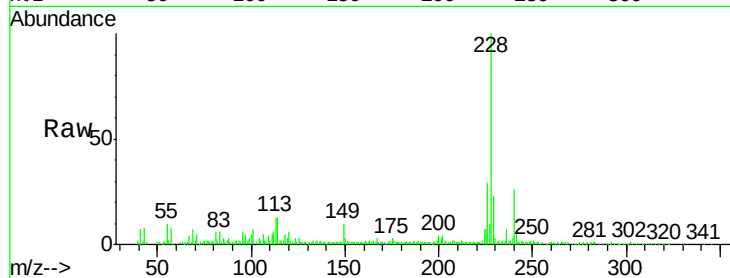
ClientSampleId :

TEC-RCA-COMP

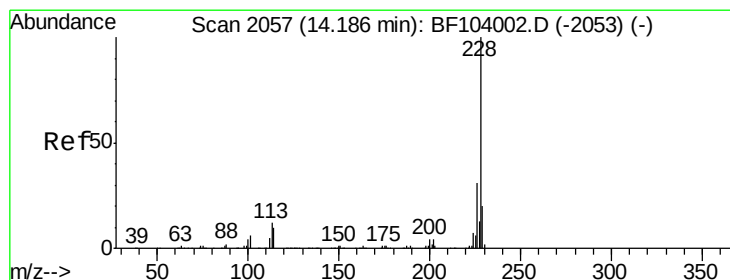
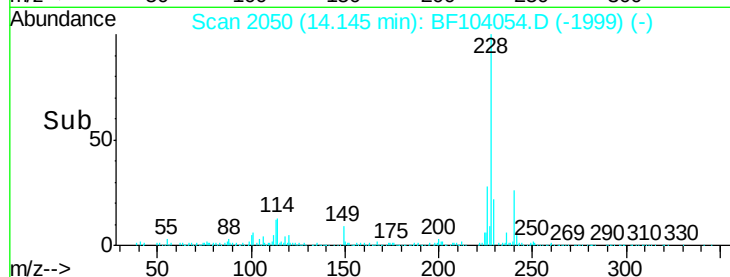
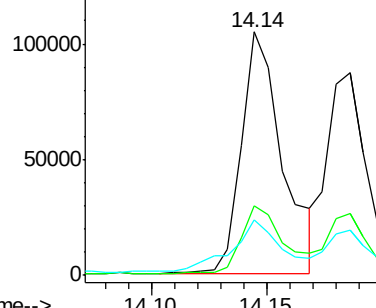
Tot Ion:	228	Resp:	128162
Ion Ratio	Lower	Upper	
228	100		
226	28.8	22.6	33.8
229	23.0	15.8	23.6

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Abundance Ion 228.00 (227.70 to 228.70): E
Ion 226.00 (225.70 to 226.70): E
Ion 229.00 (228.70 to 229.70): E



#82

Chrysene

Concen: 7.466 ng

RT: 14.19 min Scan# 2057

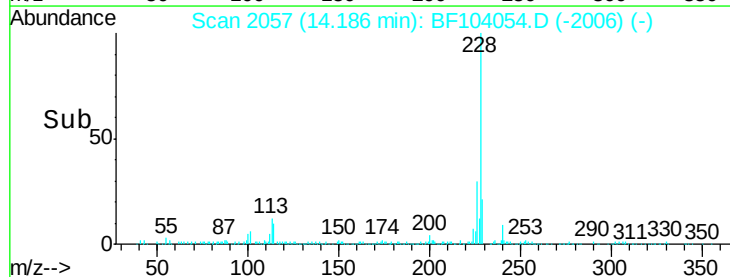
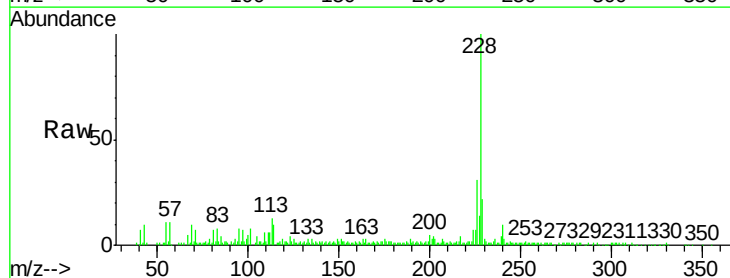
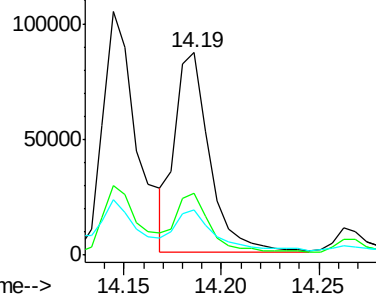
Delta R.T. -0.00 min

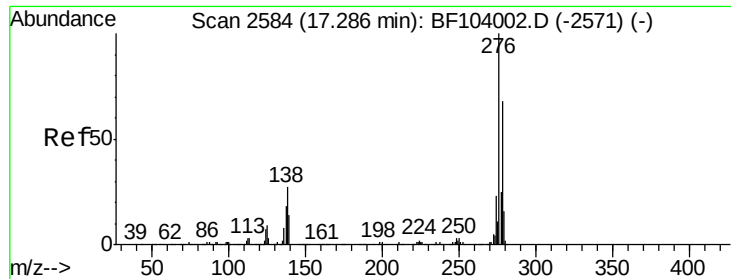
Lab File: BF104054.D

Acq: 29 Mar 2018 16:42

Tgt Ion:	228	Resp:	108105
Ion Ratio	Lower	Upper	
228	100		
226	30.7	25.0	37.6
229	22.5	16.2	24.4

Abundance Ion 228.00 (227.70 to 228.70): E
Ion 226.00 (225.70 to 226.70): E
Ion 229.00 (228.70 to 229.70): E





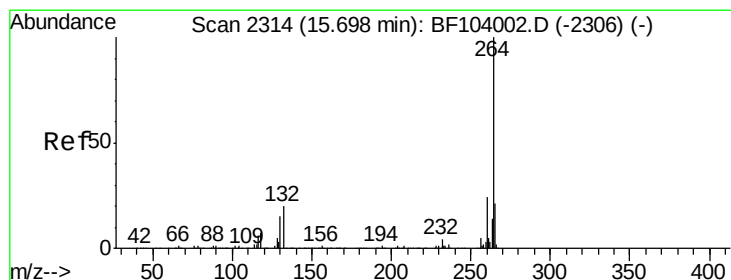
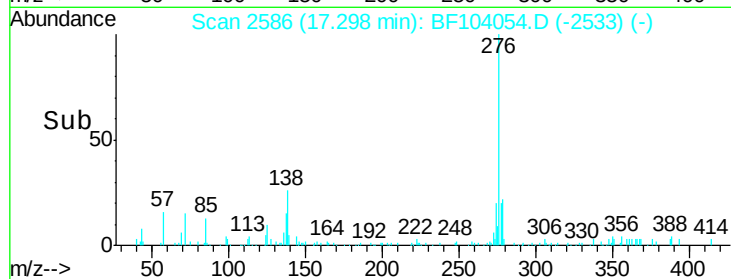
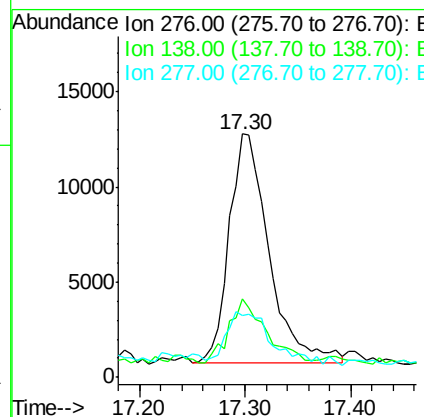
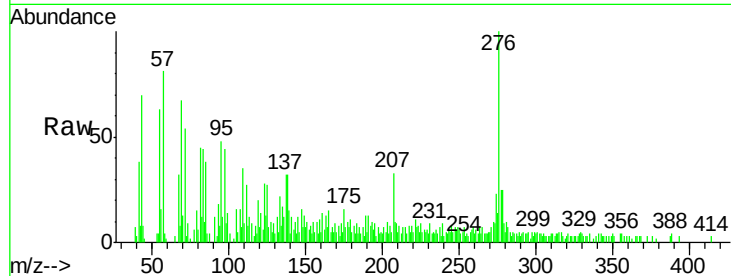
#85
Indeno(1,2,3-cd)pyrene
Concen: 2.081 ng
RT: 17.30 min Scan# 2586
Delta R.T. 0.01 min
Lab File: BF104054.D
Acq: 29 Mar 2018 16:42

Instrument :
BNA_F
ClientSampleId :
TEC-RCA-COMP

Tot Ion	Ratio	Lower	Upper
276	100		
138	26.5	25.0	37.6
277	28.2	20.1	30.1

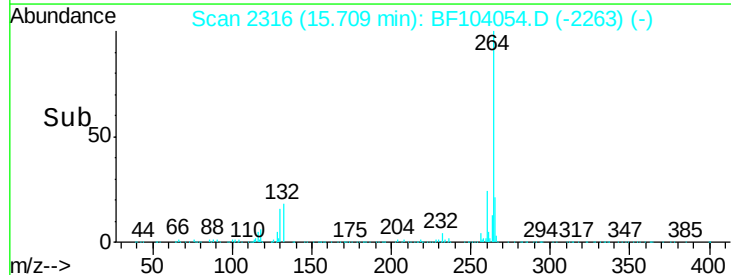
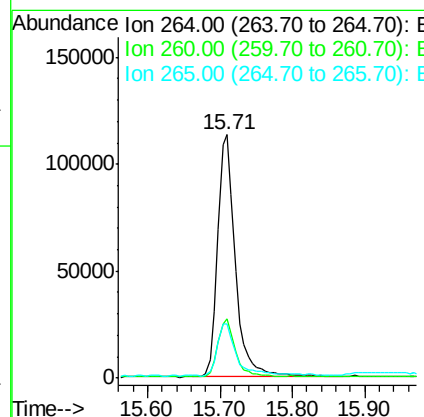
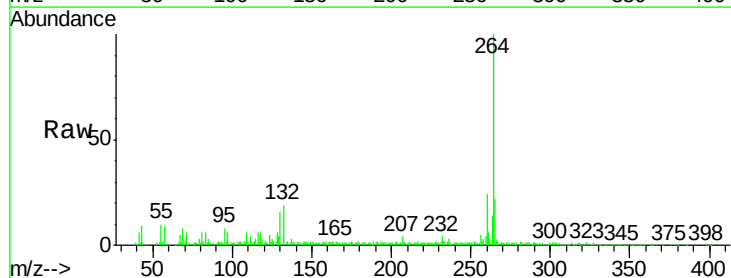
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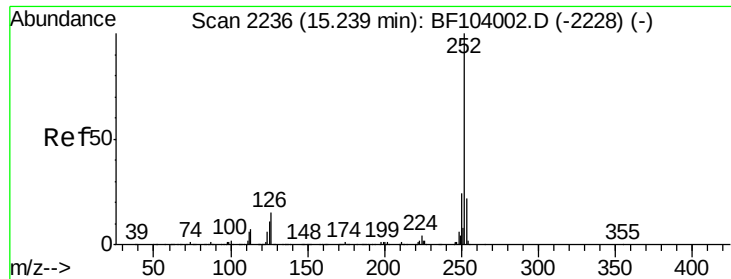
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#86
Perylene-d12
Concen: 20.000 ng
RT: 15.71 min Scan# 2316
Delta R.T. 0.01 min
Lab File: BF104054.D
Acq: 29 Mar 2018 16:42

Tgt Ion	Ratio	Lower	Upper
264	100		
260	24.3	19.2	28.8
265	22.0	17.5	26.3





#87

Benzo(b)fluoranthene

Concen: 9.158 ng m

RT: 15.24 min Scan# 2237

Delta R.T. 0.01 min

Lab File: BF104054.D

Acq: 29 Mar 2018 16:42

Instrument :

BNA_F

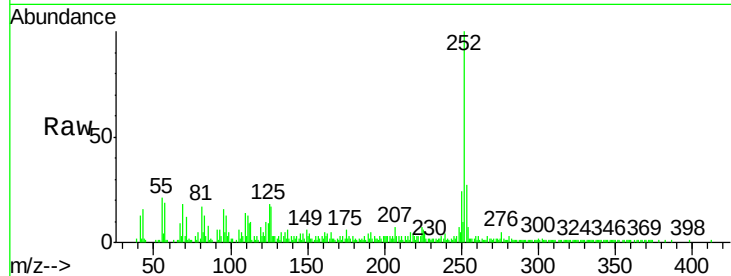
ClientSampleId :

TEC-RCA-COMP

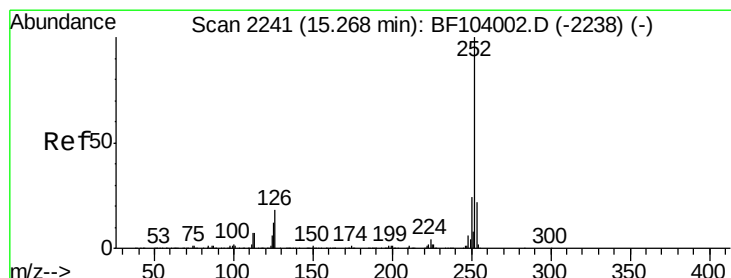
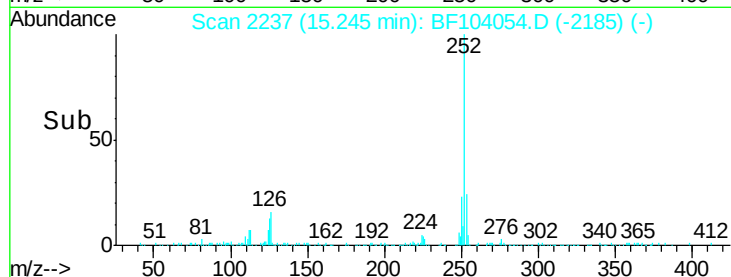
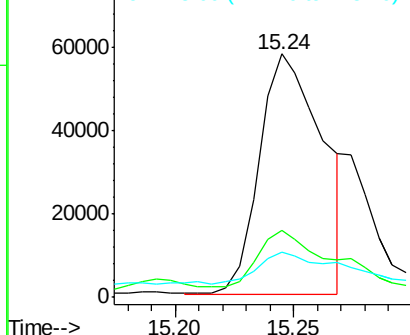
Tot Ion:	252	Resp:	107733
Ion Ratio	Lower	Upper	
252	100		
253	27.3	17.0	25.6#
125	18.5	9.0	13.6#

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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: 2.799 ng m

RT: 15.27 min Scan# 2241

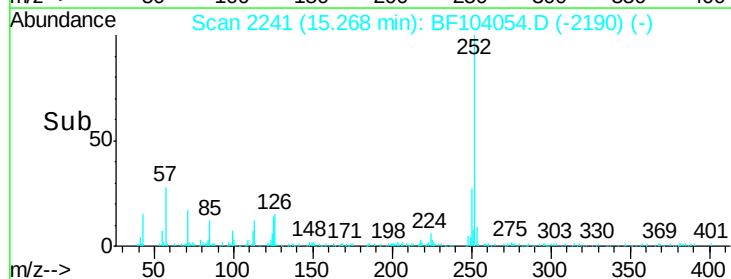
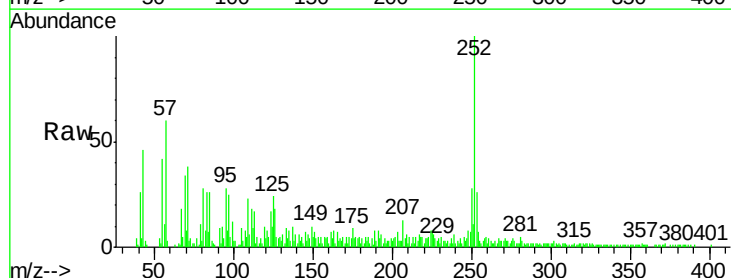
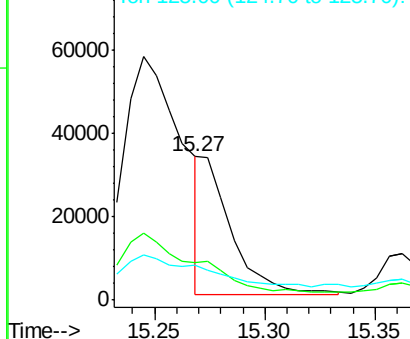
Delta R.T. -0.00 min

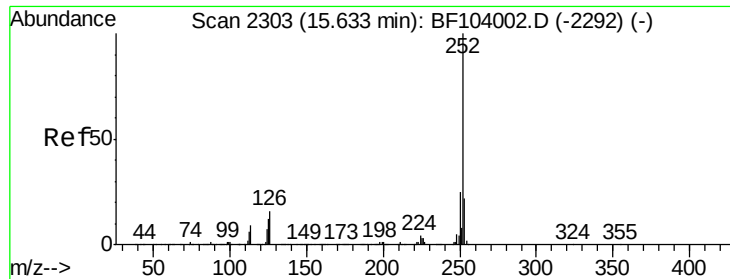
Lab File: BF104054.D

Acq: 29 Mar 2018 16:42

Tgt Ion:	252	Resp:	31018
Ion Ratio	Lower	Upper	
252	100		
253	26.5	17.9	26.9
125	24.1	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





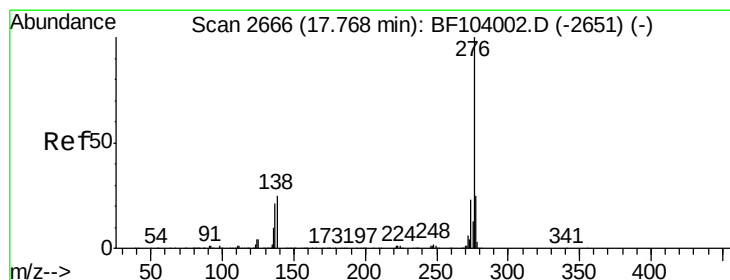
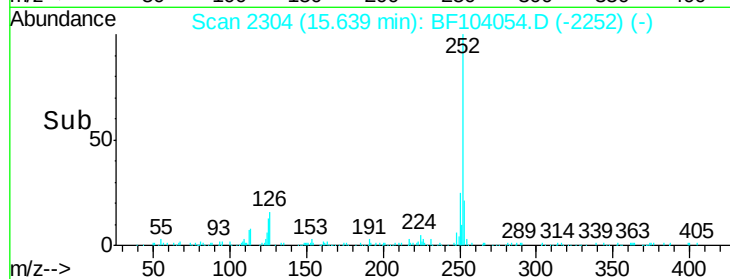
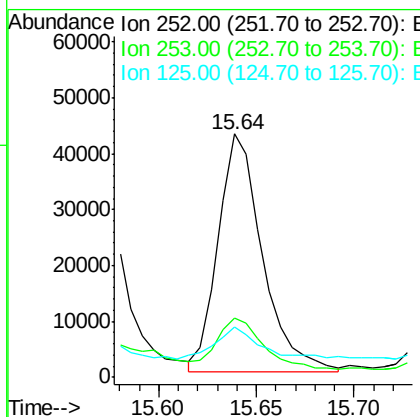
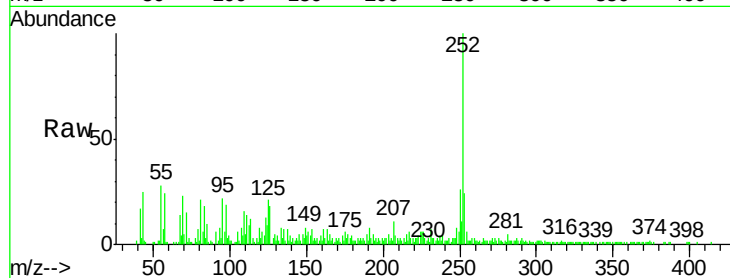
#89
Benzo(a)pyrene
Concen: 6.155 ng
RT: 15.64 min Scan# 2304
Delta R.T. 0.01 min
Lab File: BF104054.D
Acq: 29 Mar 2018 16:42

Instrument :
BNA_F
ClientSampleId :
TEC-RCA-COMP

Tot Ion	Ratio	Lower	Upper
252	100		
253	24.2	17.1	25.7
125	20.6	9.8	14.6

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#91
Benzo(g,h,i)perylene
Concen: 3.020 ng
RT: 17.79 min Scan# 2669
Delta R.T. 0.02 min
Lab File: BF104054.D
Acq: 29 Mar 2018 16:42

Tgt Ion	Ratio	Lower	Upper
276	100		
277	27.3	17.9	26.9
138	29.2	21.8	32.8

