

Data Path : Z:\HPCHEM1\BNA F\DATA\BF041718\
 Data File : BF104571.D
 Acq On : 17 Apr 2018 19:44
 Operator : JU/SJ
 Sample : J2387-01
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 20180239-COMPOSITE-A

Manual Integrations
 APPROVED

Sohil
 4/18/2018 3:00:50 PM

Quant Time: Apr 18 01:31:13 2018
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF040618.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Apr 17 17:08:38 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.80	152	137515	20.00	ng	0.00
21) Naphthalene-d8	8.09	136	555398	20.00	ng	0.00
38) Acenaphthene-d10	9.85	164	231154	20.00	ng	0.00
63) Phenanthrene-d10	11.33	188	379450	20.00	ng	0.00
75) Chrysene-d12	13.98	240	295312	20.00	ng	0.00
86) Perylene-d12	15.44	264	251883	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.42	112	791773	88.04	ng	0.00
7) Phenol-d6	6.45	99	957274	86.63	ng	0.00
23) Nitrobenzene-d5	7.37	82	563034	66.20	ng	0.00
41) 2,4,6-Tribromophenol	10.64	330	206033	85.93	ng	0.00
44) 2-Fluorobiphenyl	9.16	172	851710	58.21	ng	0.00
78) Terphenyl-d14	12.92	244	662450	51.14	ng	0.00
Target Compounds						
48) Acenaphthylene	9.70	152	48463	2.014	ng	98
49) Dimethylphthalate	9.56	163	102424	5.619	ng	100
70) Phenanthrene	11.36	178	50397	2.385	ng	99
74) Fluoranthene	12.55	202	102289	4.633	ng	98
77) Pyrene	12.77	202	149217	6.817	ng	98
80) Benzo(a)anthracene	13.97	228	95033m	5.387	ng	
82) Chrysene	14.00	228	96298	5.314	ng	98
87) Benzo(b)fluoranthene	15.02	252	78865m	4.957	ng	
89) Benzo(a)pyrene	15.37	252	88496	6.217	ng	# 88
91) Benzo(g,h,i)perylene	17.32	276	32409	2.861	ng	# 87

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

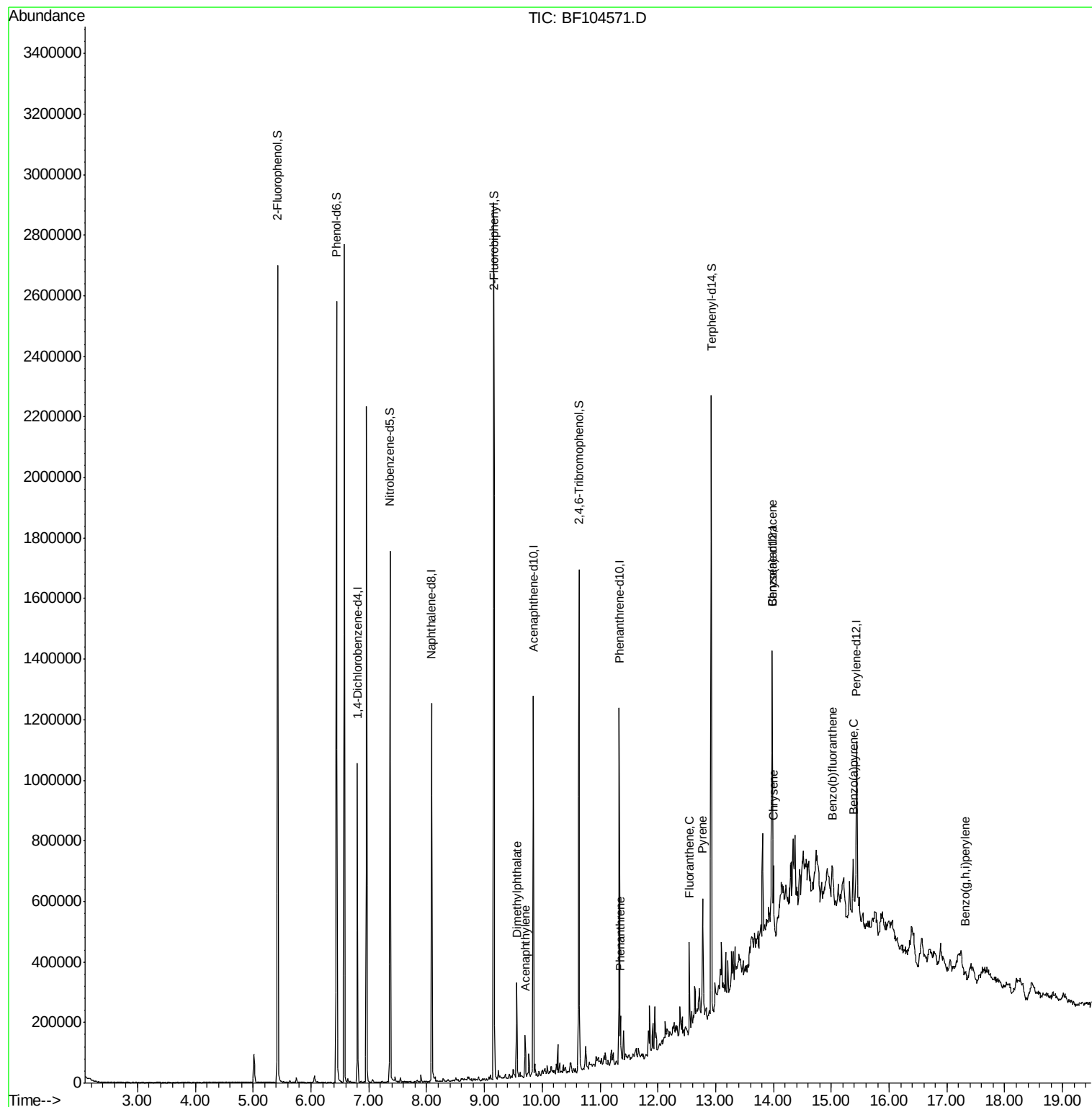
Data Path : Z:\HPCHEM1\BNA F\DATA\BF041718\
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Sample : J2387-01
Misc :
ALS Vial : 12 Sample Multiplier: 1

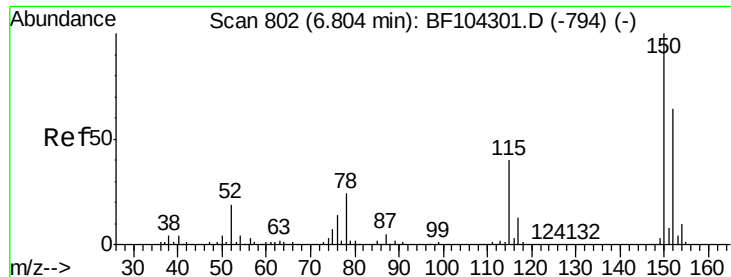
Instrument :
BNA_F
ClientSampleId :
20180239-COMPOSITE-A

Manual Integrations
APPROVED

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#1

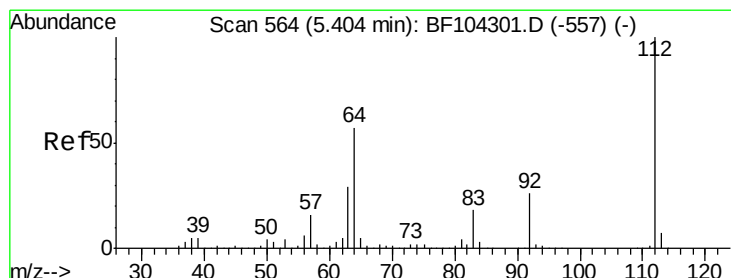
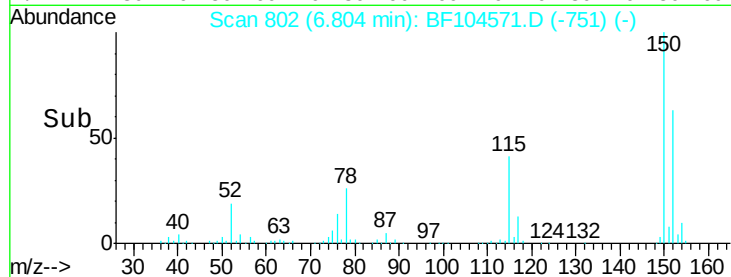
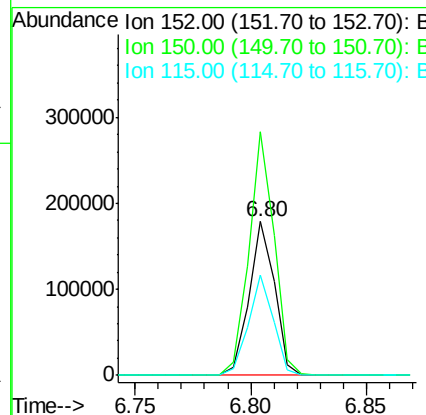
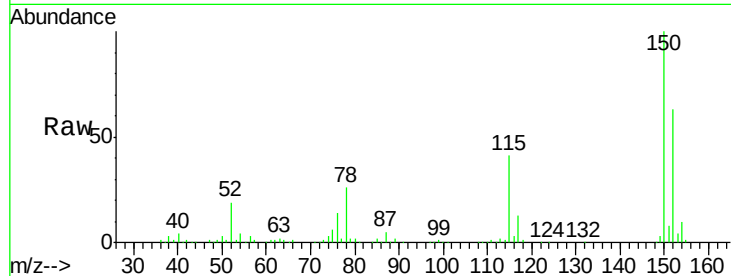
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.80 min Scan# 802
Delta R.T. 0.00 min
Lab File: BF104571.D
Acq: 17 Apr 2018 19:44

Instrument :
BNA_F
ClientSampleId :
20180239-COMPOSITE-A

Tot Ion	Ratio	Lower	Upper
152	100		
150	158.2	124.6	186.8
115	64.8	50.1	75.1

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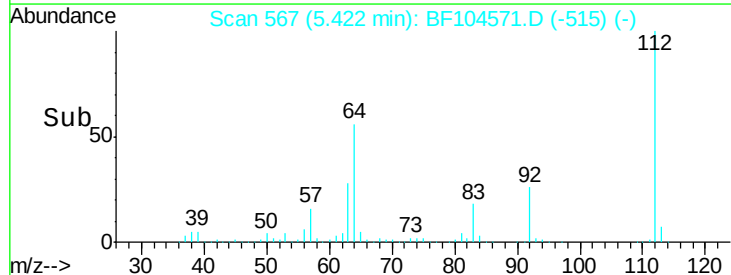
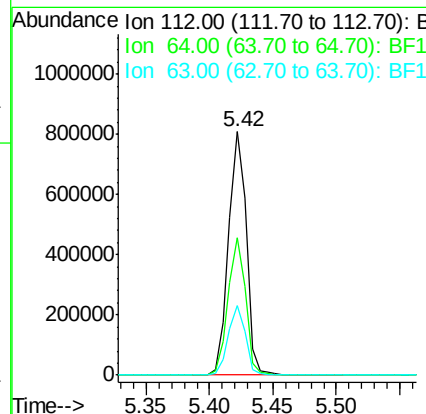
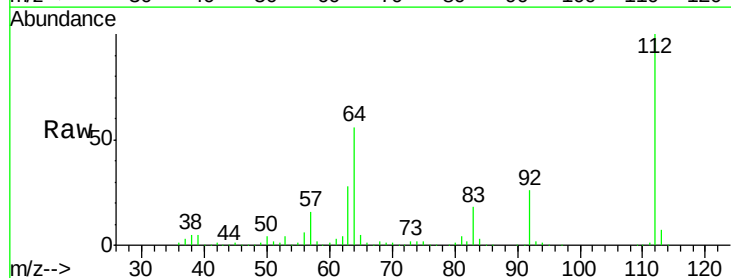
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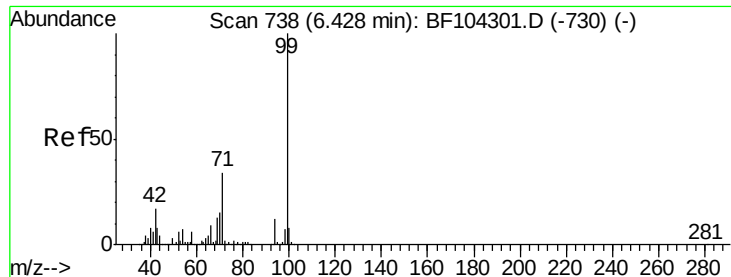


#5

2-Fluorophenol
Concen: 88.039 ng
RT: 5.42 min Scan# 567
Delta R.T. 0.01 min
Lab File: BF104571.D
Acq: 17 Apr 2018 19:44

Tgt Ion	Ratio	Lower	Upper
112	100		
64	56.3	47.9	71.9
63	28.4	23.7	35.5





#7

Phenol-d6

Concen: 86.631 ng

RT: 6.45 min Scan# 741

Delta R.T. 0.00 min

Lab File: BF104571.D

Acq: 17 Apr 2018 19:44

Instrument :

BNA_F

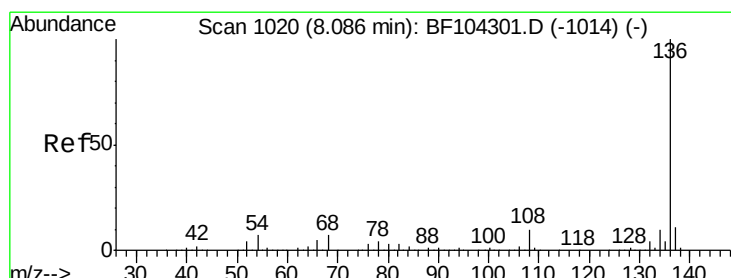
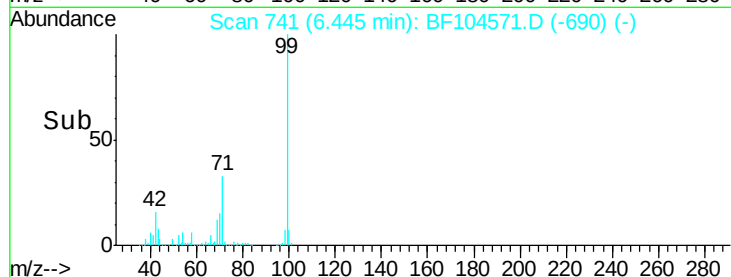
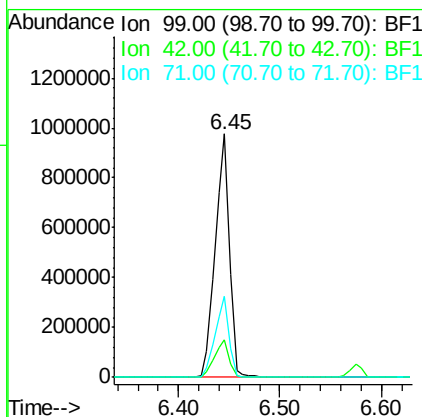
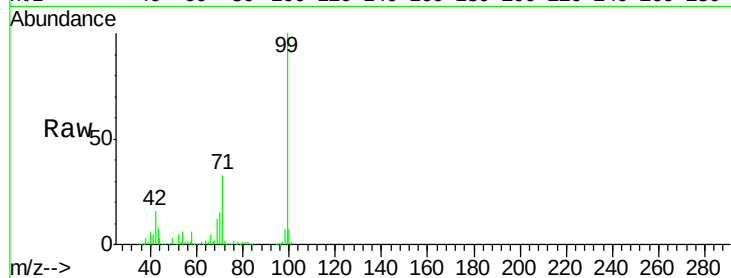
ClientSampleId :

20180239-COMPOSITE-A

Tot Ion:	99	Resp:	957274
Ion	Ratio	Lower	Upper
99	100		
42	15.6	14.5	21.7
71	33.2	25.4	38.0

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#21

Naphthalene-d8

Concen: 20.000 ng

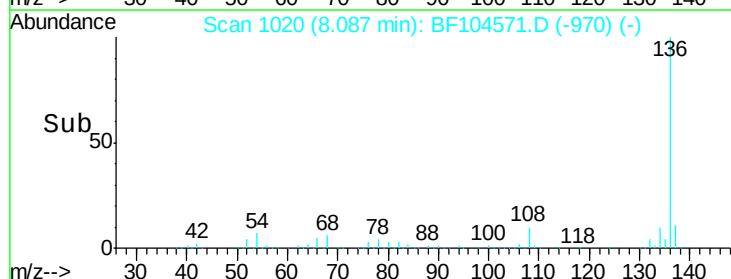
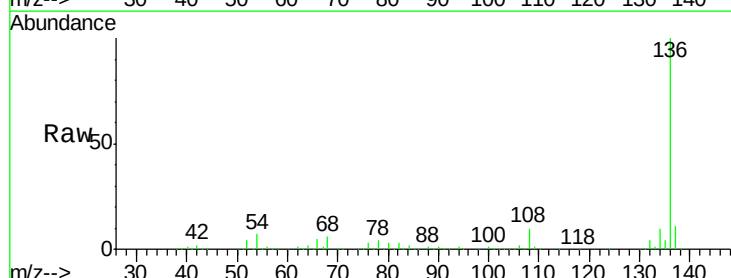
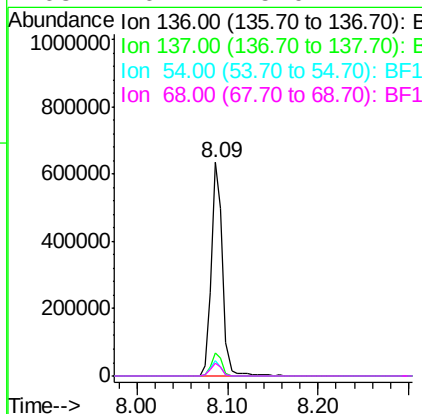
RT: 8.09 min Scan# 1020

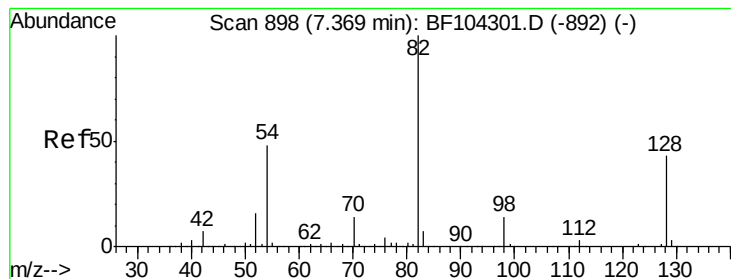
Delta R.T. -0.01 min

Lab File: BF104571.D

Acq: 17 Apr 2018 19:44

Tgt Ion:	136	Resp:	555398
Ion	Ratio	Lower	Upper
136	100		
137	11.1	8.9	13.3
54	6.9	6.6	9.8
68	6.2	5.0	7.4





#23

Nitrobenzene-d5

Concen: 66.196 ng

RT: 7.37 min Scan# 898

Delta R.T. -0.01 min

Lab File: BF104571.D

Acq: 17 Apr 2018 19:44

Instrument :

BNA_F

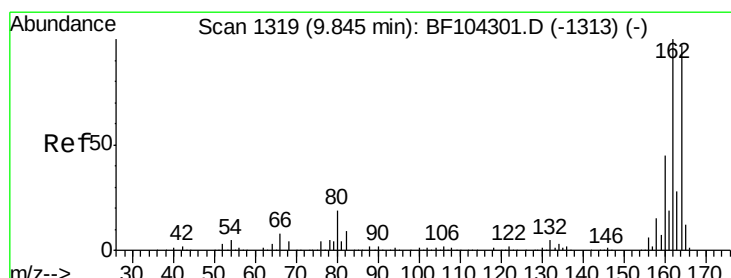
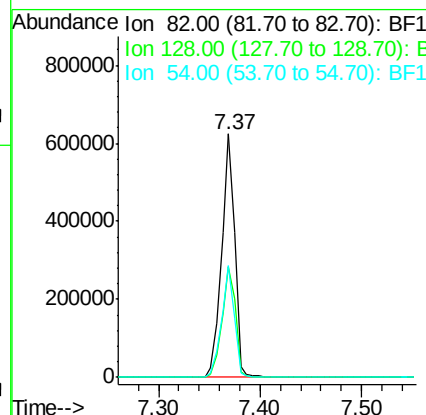
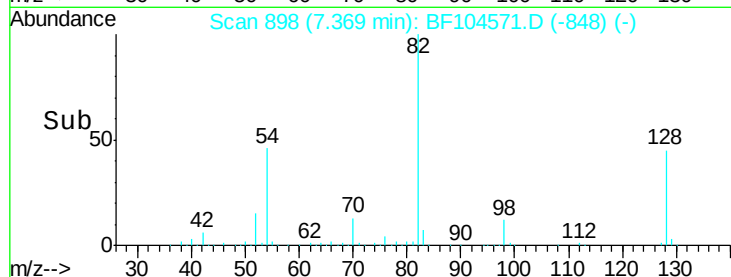
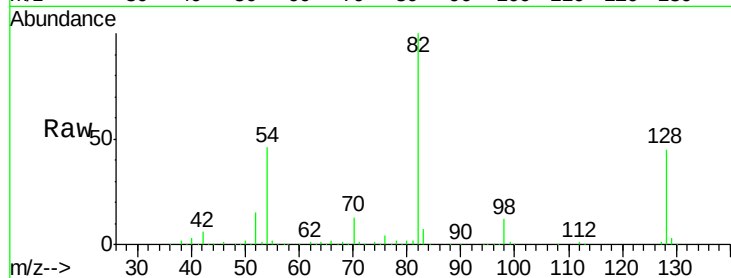
ClientSampleId :

20180239-COMPOSITE-A

Tot Ion:	82	Resp:	563034
Ion Ratio	Lower	Upper	
82	100		
128	45.4	36.1	54.1
54	45.9	41.4	62.2

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#38

Acenaphthene-d10

Concen: 20.000 ng

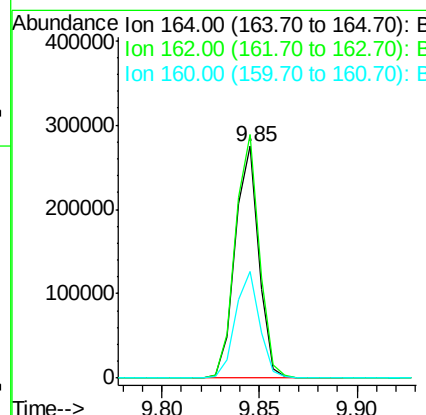
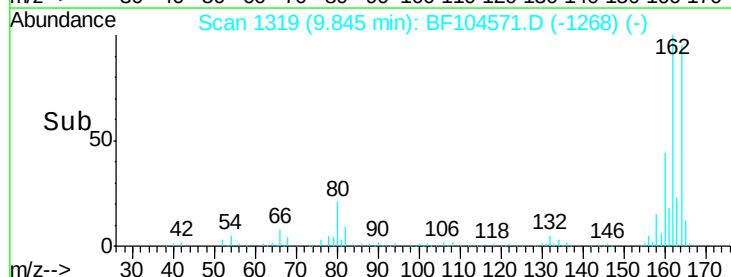
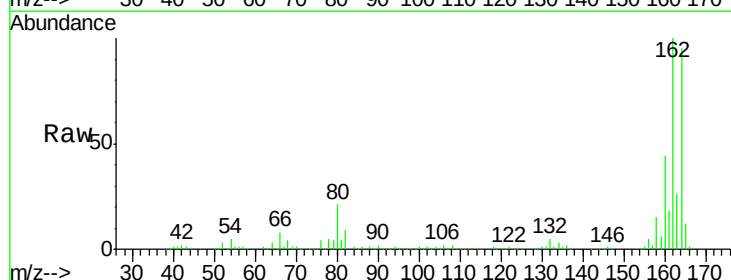
RT: 9.85 min Scan# 1319

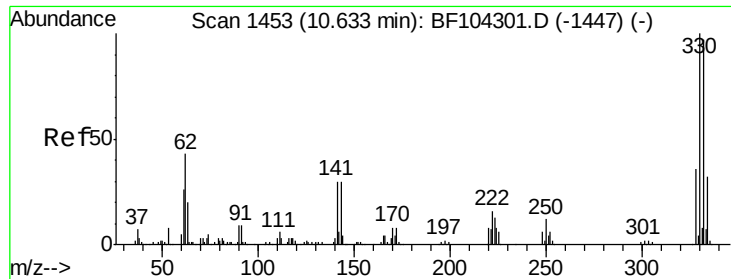
Delta R.T. 0.00 min

Lab File: BF104571.D

Acq: 17 Apr 2018 19:44

Tgt Ion:	164	Resp:	231154
Ion Ratio	Lower	Upper	
164	100		
162	105.0	86.1	129.1
160	46.1	38.3	57.5





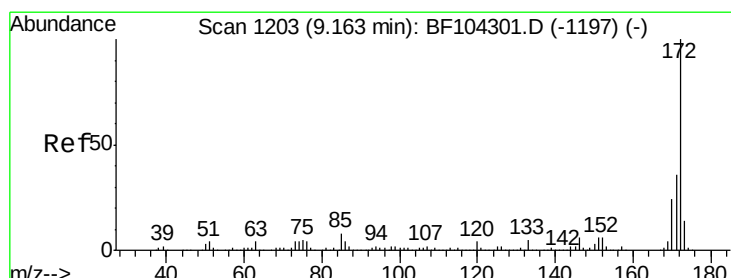
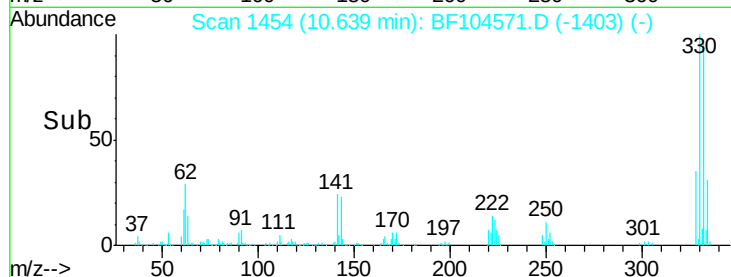
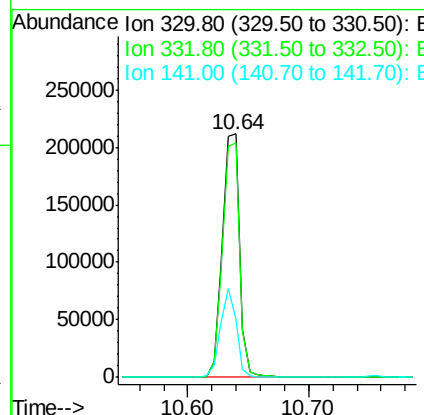
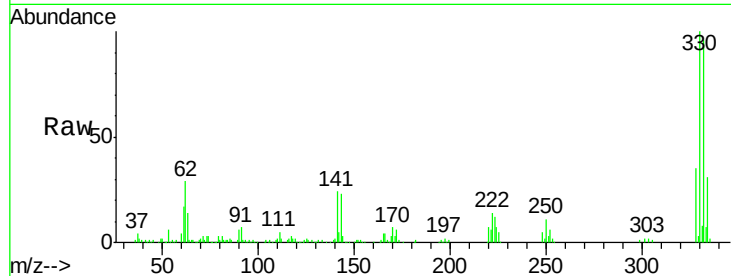
#41
 2,4,6-Tribromophenol
 Concen: 85.925 ng
 RT: 10.64 min Scan# 1454
 Delta R.T. 0.00 min
 Lab File: BF104571.D
 Acq: 17 Apr 2018 19:44

Instrument :
 BNA_F
 ClientSampleId :
 20180239-COMPOSITE-A

Tot Ion	Ratio	Resp	Lower	Upper
330	100	206033		
332	95.8		77.0	115.6
141	34.2		29.9	44.9

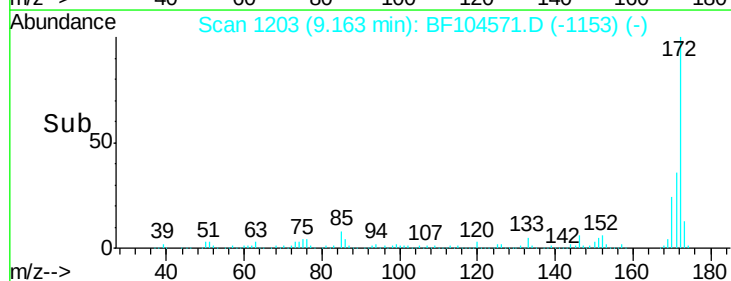
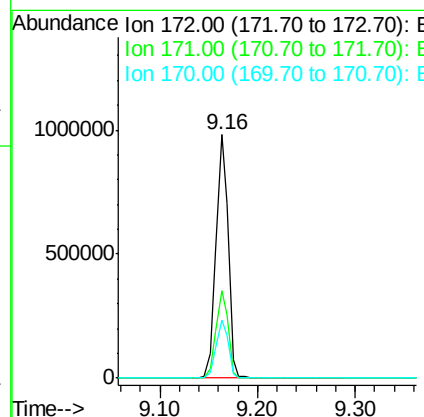
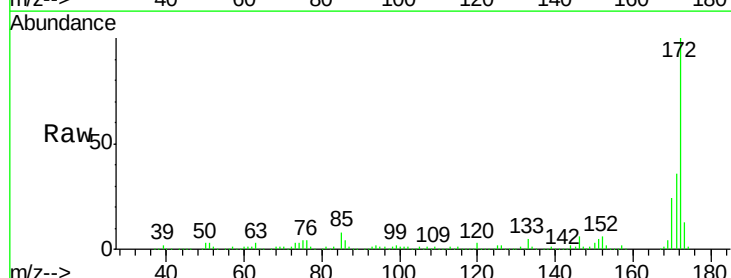
Manual Integrations
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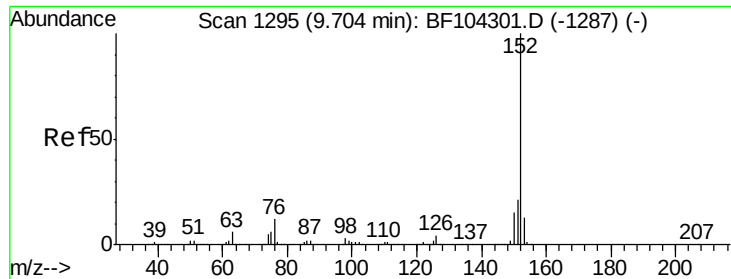
Sohil
 4/18/2018 3:00:50 PM



#44
 2-Fluorobiphenyl
 Concen: 58.208 ng
 RT: 9.16 min Scan# 1203
 Delta R.T. -0.01 min
 Lab File: BF104571.D
 Acq: 17 Apr 2018 19:44

Tgt Ion	Ratio	Resp	Lower	Upper
172	100	851710		
171	36.1		29.7	44.5
170	23.7		19.6	29.4





#48

Acenaphthylene

Concen: 2.014 ng

RT: 9.70 min Scan# 1295

Delta R.T. -0.01 min

Lab File: BF104571.D

Acq: 17 Apr 2018 19:44

Instrument :

BNA_F

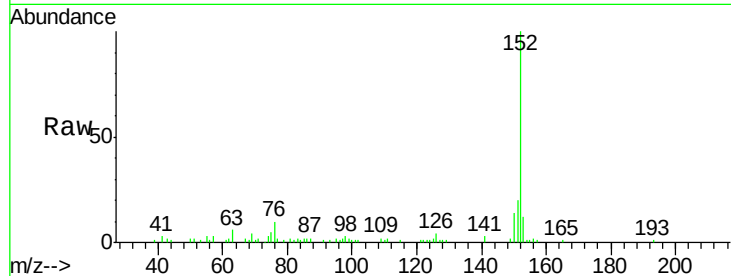
ClientSampleId :

20180239-COMPOSITE-A

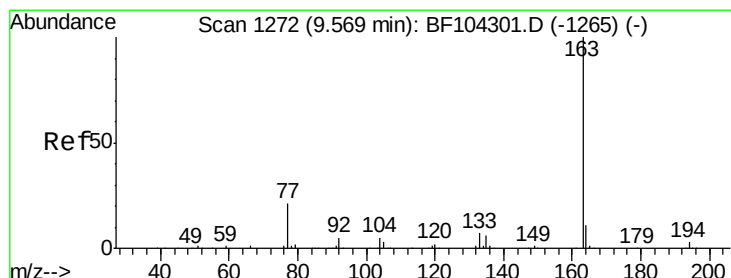
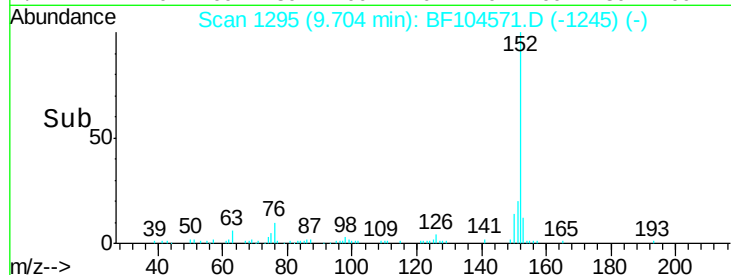
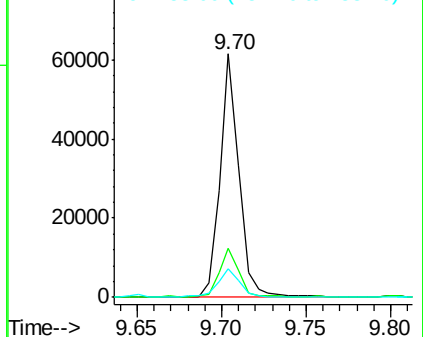
Tot Ion:	152	Resp:	48463
Ion Ratio	Lower	Upper	
152	100		
151	20.2	16.3	24.5
153	11.9	10.7	16.1

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Abundance Ion 152.00 (151.70 to 152.70): E
Ion 151.00 (150.70 to 151.70): E
Ion 153.00 (152.70 to 153.70): E



#49

Dimethylphthalate

Concen: 5.619 ng

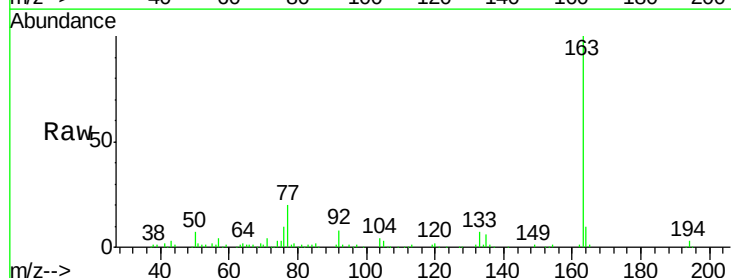
RT: 9.56 min Scan# 1270

Delta R.T. -0.01 min

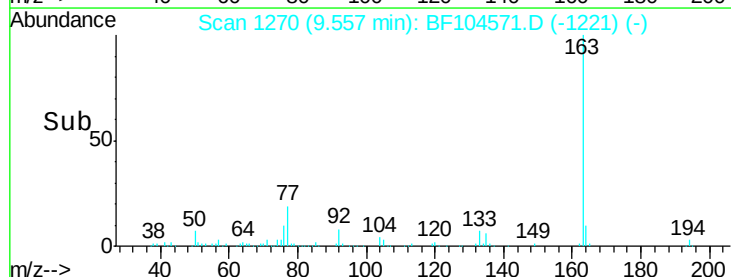
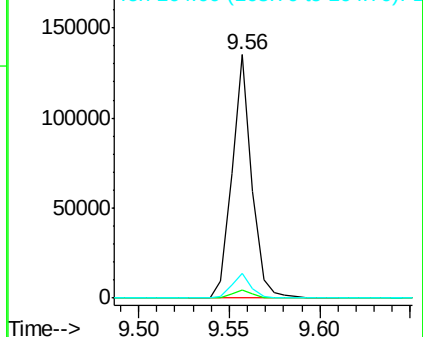
Lab File: BF104571.D

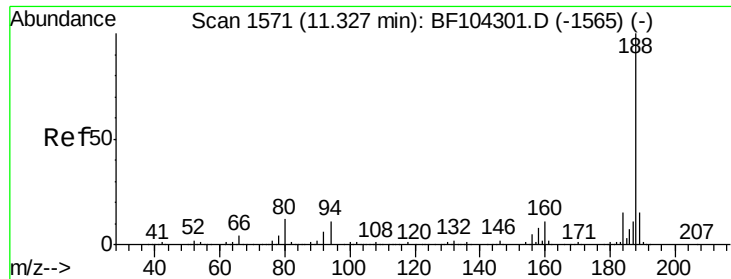
Acq: 17 Apr 2018 19:44

Tgt Ion:	163	Resp:	102424
Ion Ratio	Lower	Upper	
163	100		
194	3.4	2.7	4.1
164	10.0	8.2	12.2



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





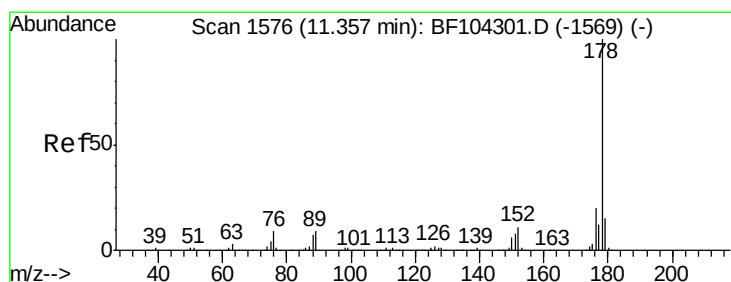
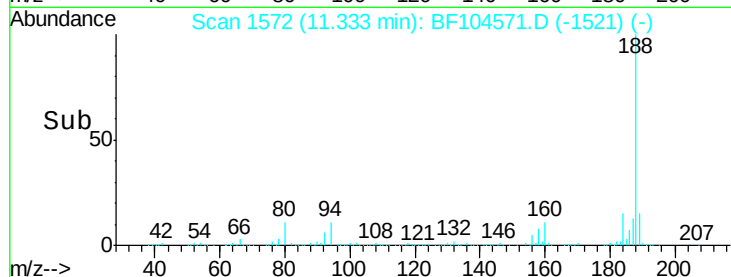
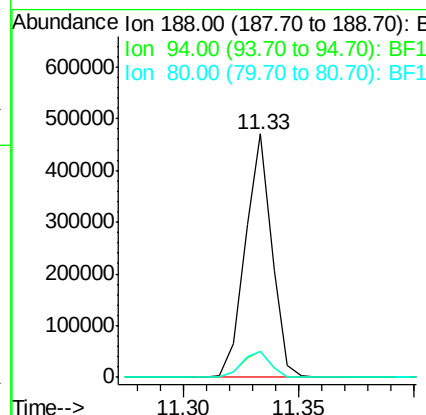
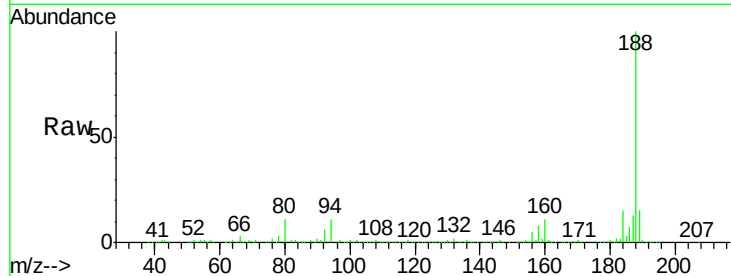
#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.33 min Scan# 1572
Delta R.T. 0.00 min
Lab File: BF104571.D
Acq: 17 Apr 2018 19:44

Instrument :
BNA_F
ClientSampleId :
20180239-COMPOSITE-A

Tot Ion	Ratio	Resp	Lower	Upper
188	100	379450		
94	10.6		8.5	12.7
80	10.7		9.2	13.8

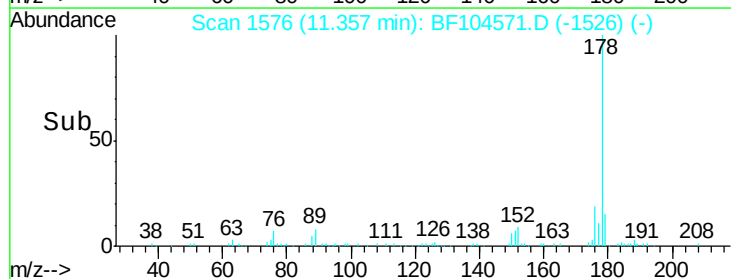
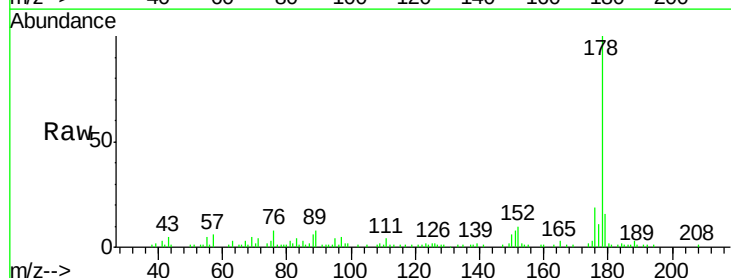
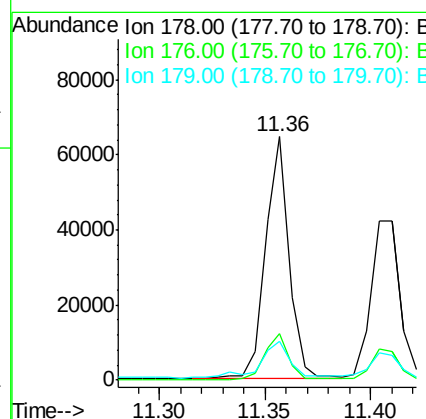
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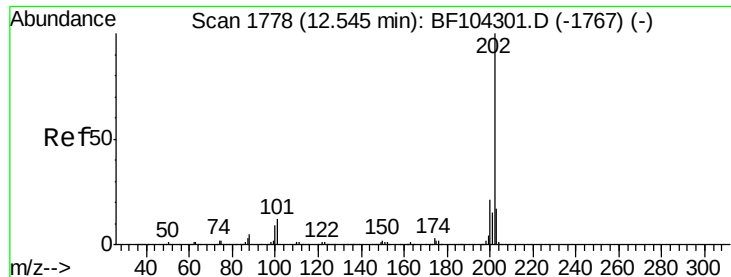
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#70
Phenanthrene
Concen: 2.385 ng
RT: 11.36 min Scan# 1576
Delta R.T. -0.01 min
Lab File: BF104571.D
Acq: 17 Apr 2018 19:44

Tgt Ion	Ratio	Resp	Lower	Upper
178	100	50397		
176	18.9		15.8	23.8
179	16.0		13.0	19.6





#74

Fluoranthene

Concen: 4.633 ng

RT: 12.55 min Scan# 1778

Delta R.T. -0.01 min

Lab File: BF104571.D

Acq: 17 Apr 2018 19:44

Instrument :

BNA_F

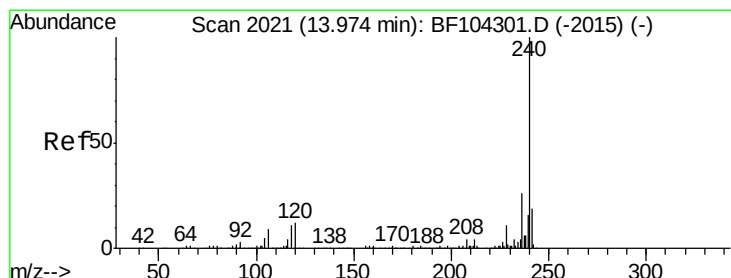
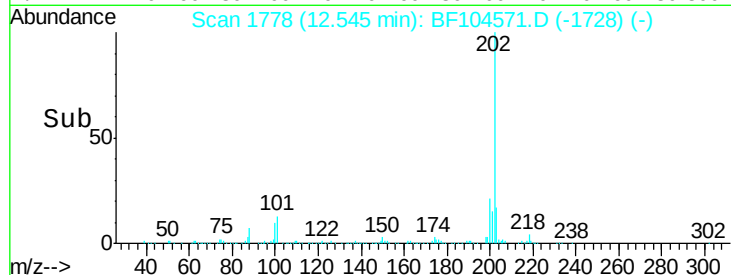
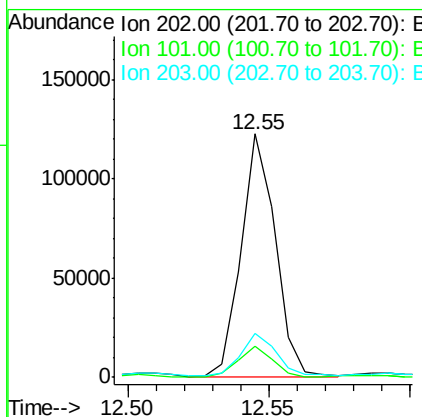
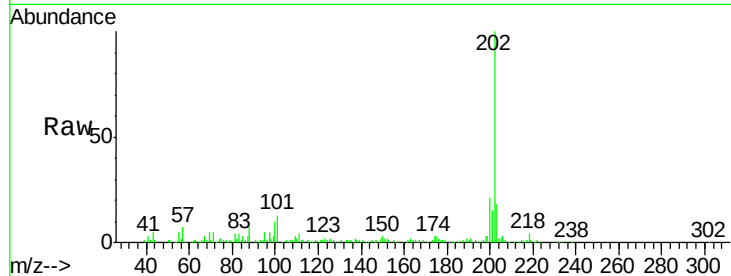
ClientSampleId :

20180239-COMPOSITE-A

Tot Ion	Ion	Ratio	Resp	Lower	Upper
202	100				
101	12.7	0.0	34.1		
203	17.9	0.0	38.1		

Manual Integrations
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#75

Chrysene-d12

Concen: 20.000 ng

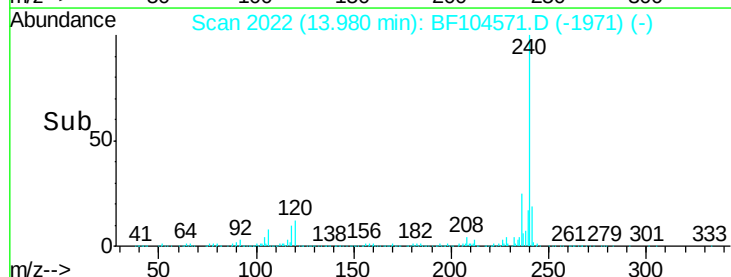
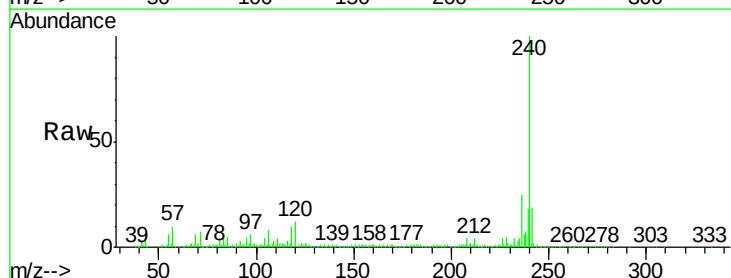
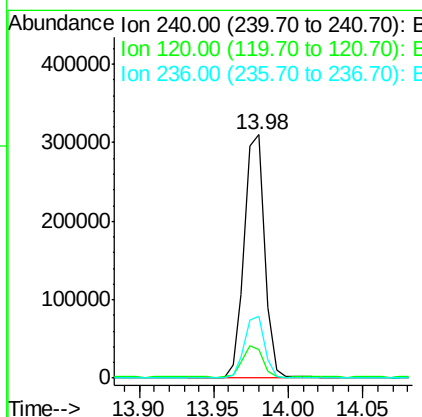
RT: 13.98 min Scan# 2022

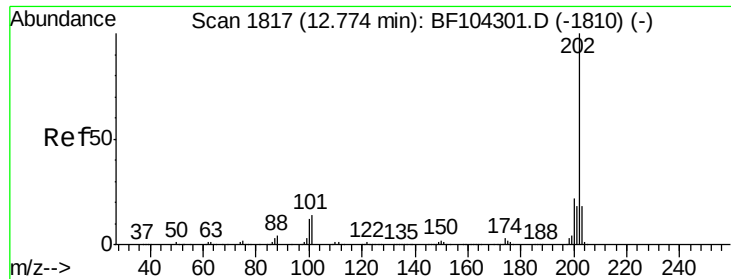
Delta R.T. 0.00 min

Lab File: BF104571.D

Acq: 17 Apr 2018 19:44

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
240	100				
120	12.0	9.5	14.3		
236	25.4	20.7	31.1		





#77

Pvrene

Concen: 6.817 ng

RT: 12.77 min Scan# 1817

Delta R.T. -0.01 min

Lab File: BF104571.D

Acq: 17 Apr 2018 19:44

Instrument :

BNA_F

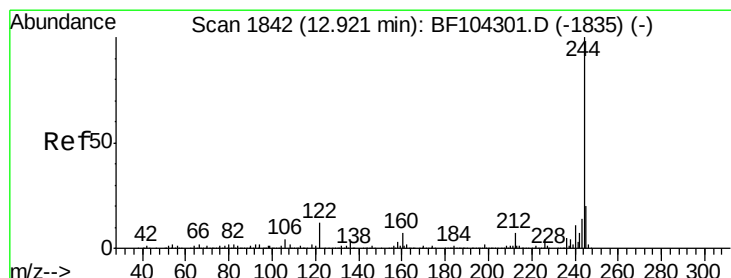
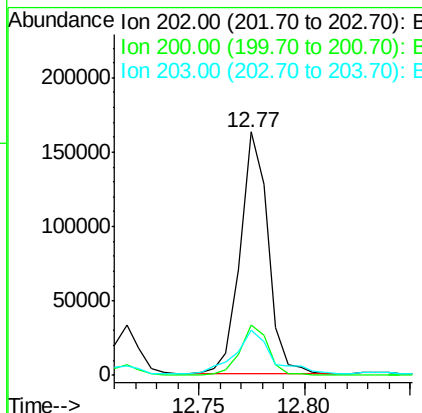
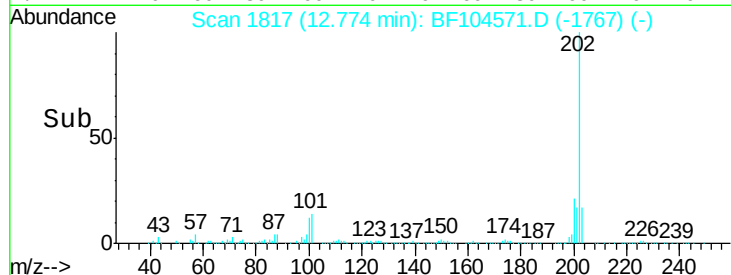
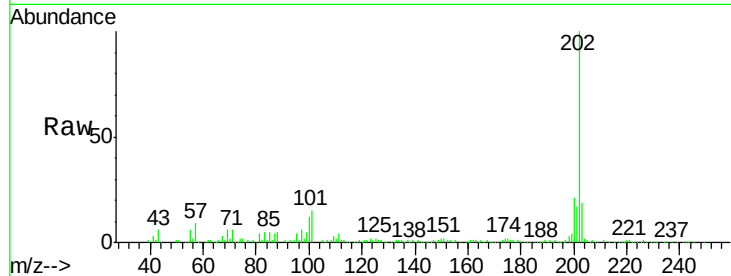
ClientSampleId :

20180239-COMPOSITE-A

Tot Ion:	202	Resp:	149217
Ion Ratio		Lower	Upper
202	100		
200	20.6	17.4	26.2
203	18.5	14.3	21.5

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4/18/2018 3:00:50 PM



#78

Terphenyl-d14

Concen: 51.142 ng

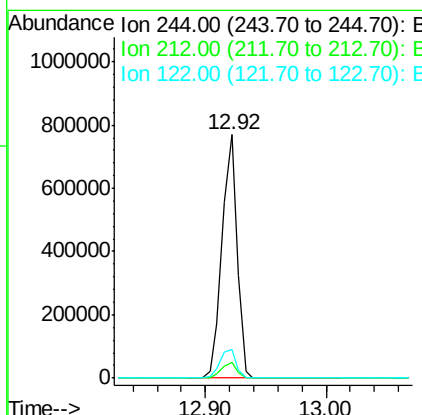
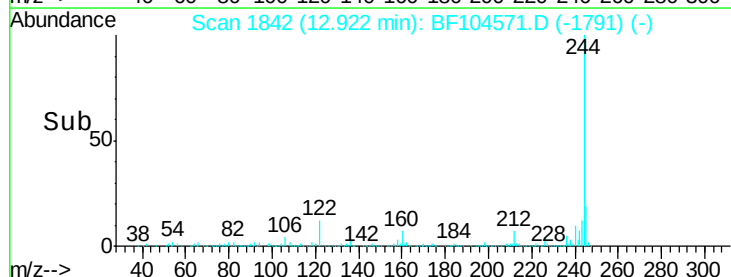
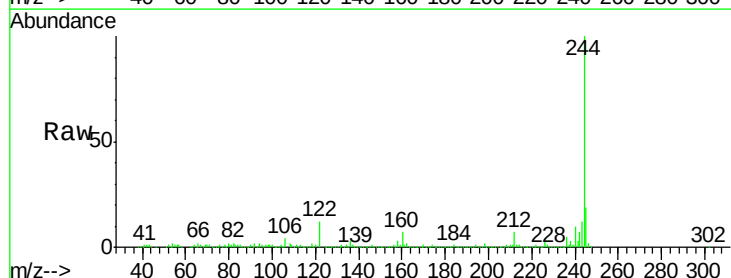
RT: 12.92 min Scan# 1842

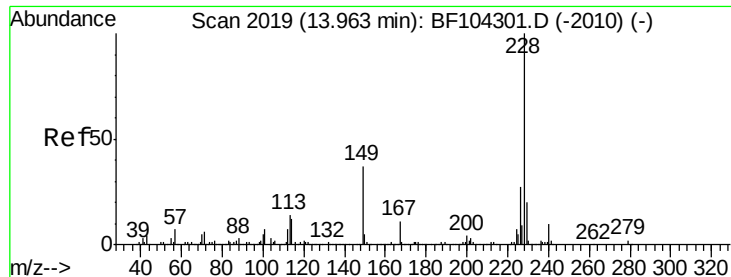
Delta R.T. 0.00 min

Lab File: BF104571.D

Acq: 17 Apr 2018 19:44

Tgt Ion:	244	Resp:	662450
Ion Ratio		Lower	Upper
244	100		
212	6.7	5.4	8.0
122	11.9	11.0	16.4





#80

Benzo(a)anthracene

Concen: 5.387 ng m

RT: 13.97 min Scan# 2020

Delta R.T. 0.00 min

Lab File: BF104571.D

Acq: 17 Apr 2018 19:44

Instrument :

BNA_F

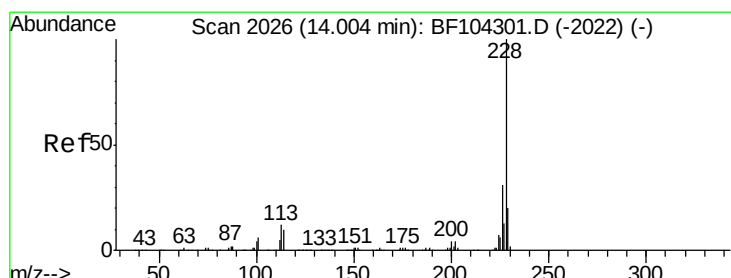
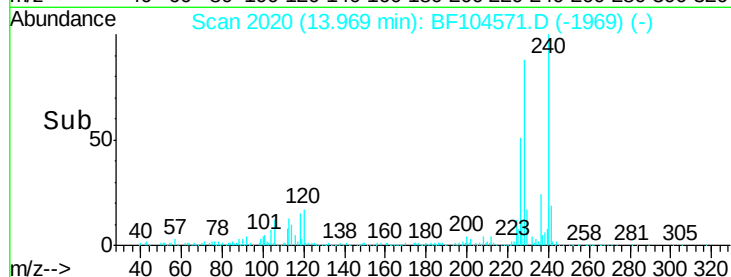
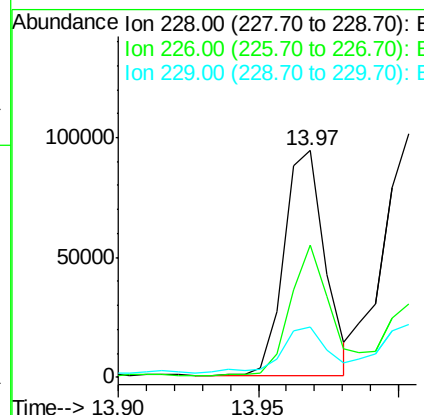
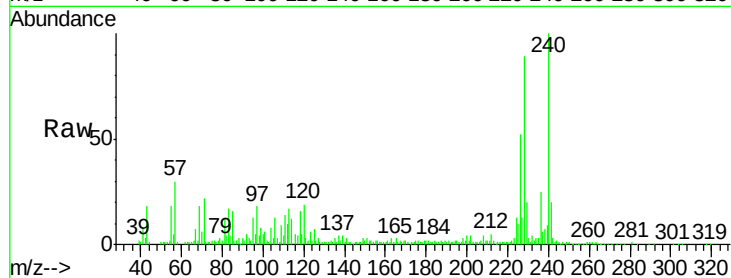
ClientSampleId :

20180239-COMPOSITE-A

Tot Ion	Ratio	Lower	Upper
228	100		
226	58.5	22.6	33.8#
229	22.5	15.8	23.6

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4/18/2018 3:00:50 PM



#82

Chrysene

Concen: 5.314 ng

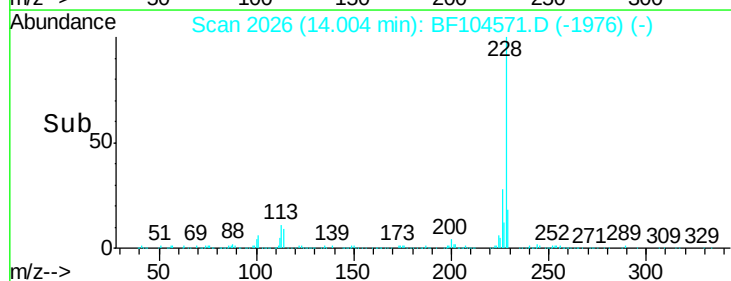
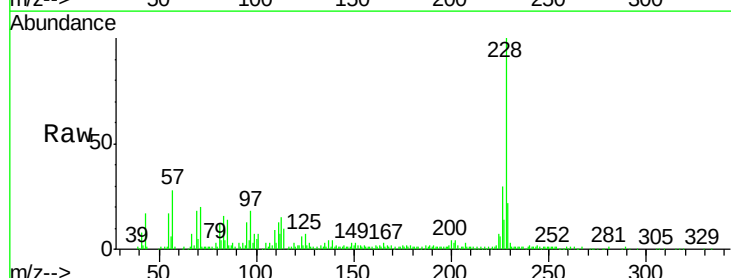
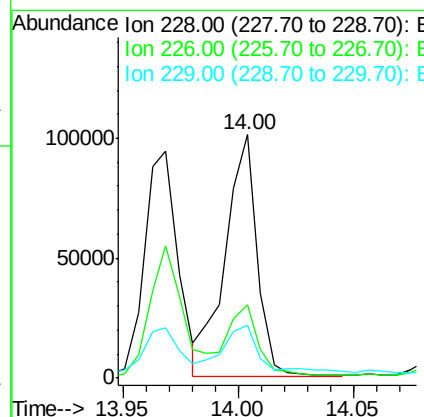
RT: 14.00 min Scan# 2026

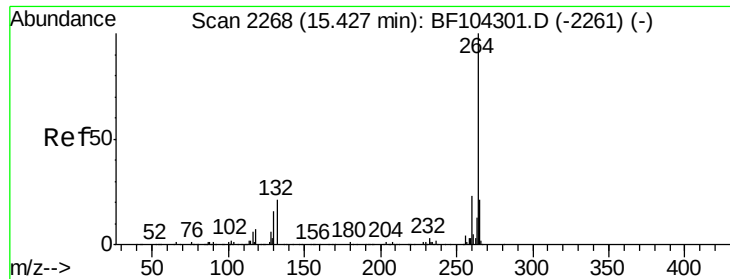
Delta R.T. -0.01 min

Lab File: BF104571.D

Acq: 17 Apr 2018 19:44

Tgt Ion	Ratio	Lower	Upper
228	100		
226	30.1	25.0	37.6
229	21.7	16.2	24.4





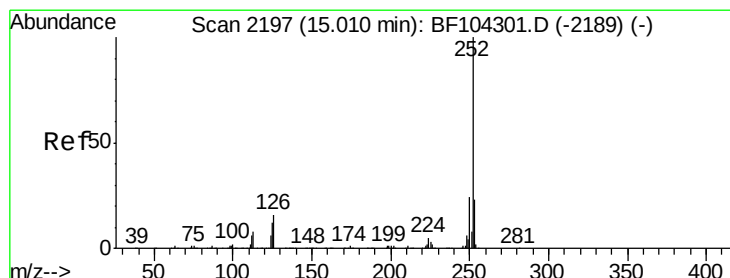
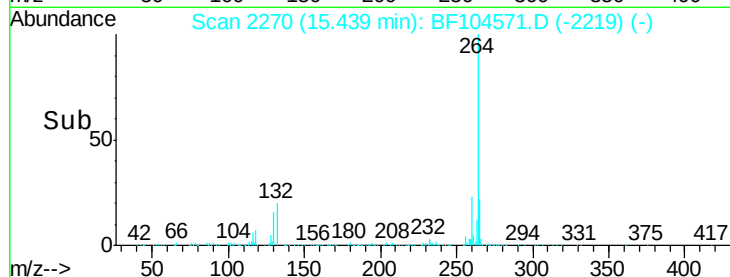
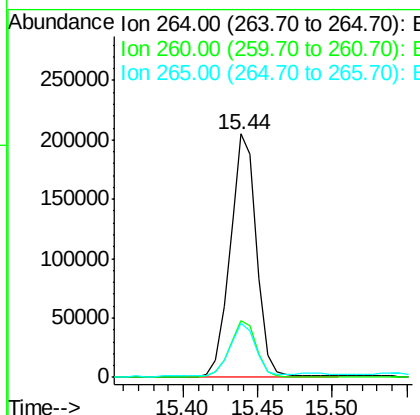
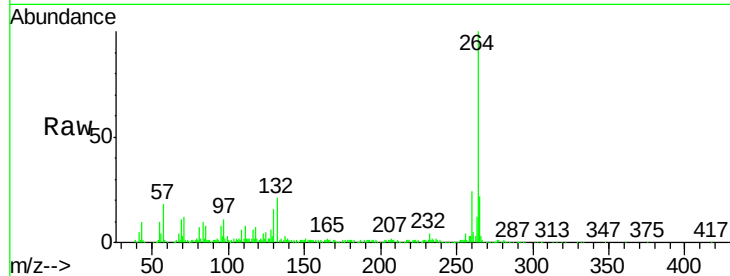
#86
Pervlene-d12
Concen: 20.000 ng
RT: 15.44 min Scan# 2270
Delta R.T. 0.00 min
Lab File: BF104571.D
Acq: 17 Apr 2018 19:44

Instrument :
BNA_F
ClientSampleId :
20180239-COMPOSITE-A

Tot Ion	Ratio	Lower	Upper
264	100		
260	23.6	19.2	28.8
265	22.3	17.5	26.3

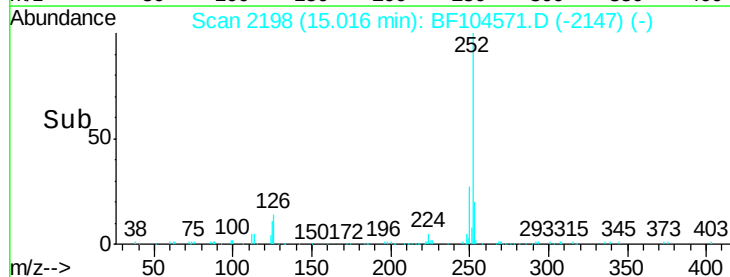
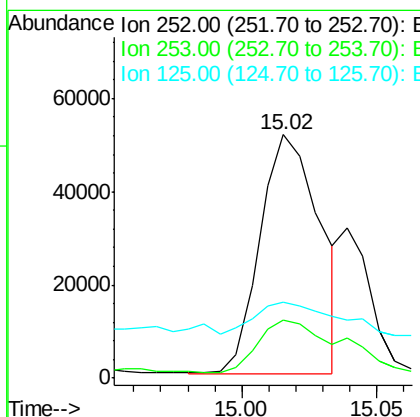
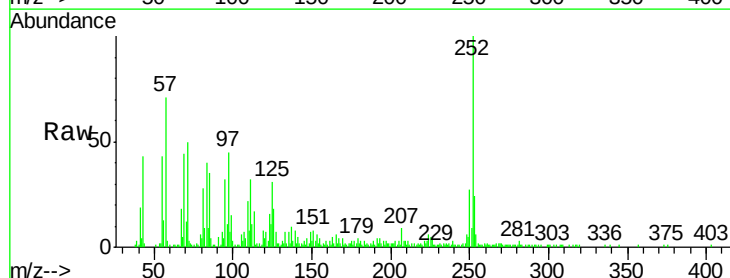
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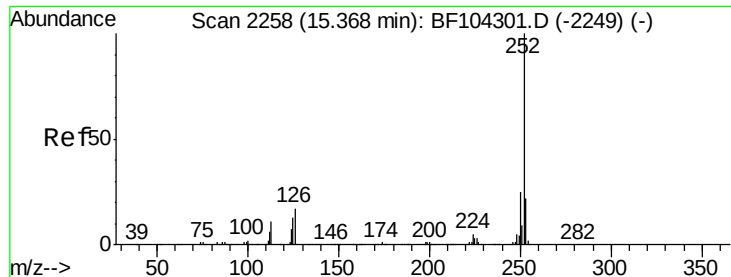
Sohil
4/18/2018 3:00:50 PM



#87
Benzo(b)fluoranthene
Concen: 4.957 ng m
RT: 15.02 min Scan# 2198
Delta R.T. 0.00 min
Lab File: BF104571.D
Acq: 17 Apr 2018 19:44

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.7	17.0	25.6
125	31.0	9.0	13.6





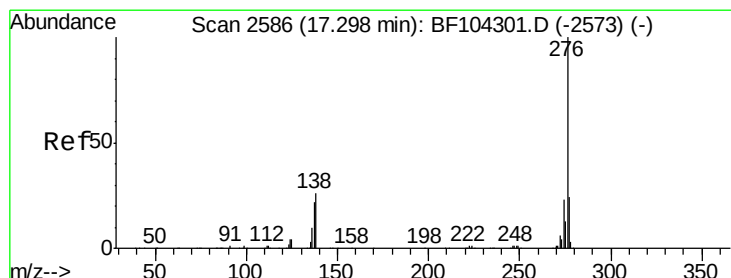
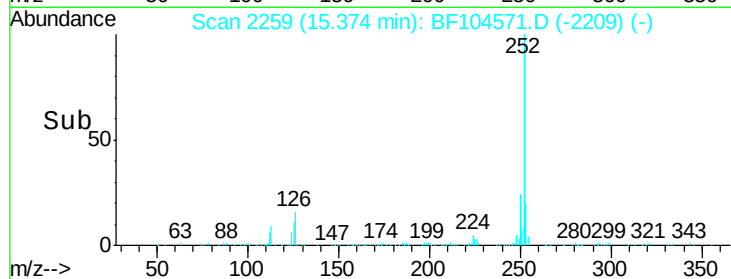
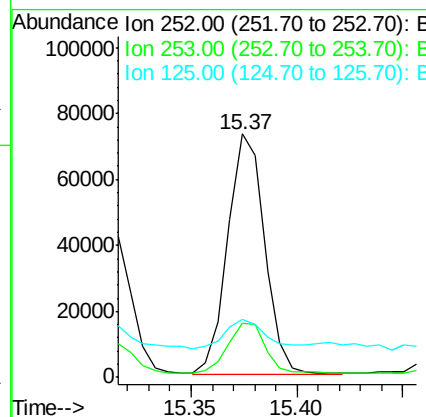
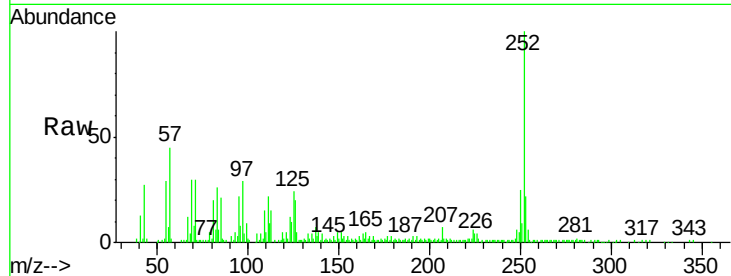
#89
Benzo(a)pyrene
Concen: 6.217 ng
RT: 15.37 min Scan# 2259
Delta R.T. -0.01 min
Lab File: BF104571.D
Acq: 17 Apr 2018 19:44

Instrument :
BNA_F
ClientSampleId :
20180239-COMPOSITE-A

Tot Ion	Ratio	Lower	Upper
252	100		
253	22.1	17.1	25.7
125	23.7	9.8	14.6

Manual Integrations
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4/18/2018 3:00:50 PM



#91
Benzo(g,h,i)perylene
Concen: 2.861 ng
RT: 17.32 min Scan# 2590
Delta R.T. -0.01 min
Lab File: BF104571.D
Acq: 17 Apr 2018 19:44

Tgt Ion	Ratio	Lower	Upper
276	100		
277	29.3	17.9	26.9
138	33.1	21.8	32.8

