

Data Path : Z:\HPCHEM1\BNA F\DATA\BF022618\
 Data File : BF103236.D
 Acq On : 26 Feb 2018 23:43
 Operator : SJ/JU
 Sample : J1691-25 5X
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 B7

Manual Integrations
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Sohil
 2/27/2018 12:23:11 PM

Quant Time: Feb 27 02:56:07 2018
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF022218.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Feb 23 02:43:46 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.87	152	143148	20.00	ng	0.00
21) Naphthalene-d8	8.16	136	597431	20.00	ng	0.00
38) Acenaphthene-d10	9.92	164	241003	20.00	ng	0.00
63) Phenanthrene-d10	11.40	188	363296	20.00	ng	0.00
75) Chrysene-d12	14.06	240	245053	20.00	ng	0.00
86) Perylene-d12	15.56	264	179643	20.00	ng	0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.49	112	161054	17.02	ng	0.00
7) Phenol-d6	6.50	99	192307	16.60	ng	0.00
23) Nitrobenzene-d5	7.43	82	100194	9.58	ng	0.00
41) 2,4,6-Tribromophenol	10.71	330	27029	13.25	ng	0.00
44) 2-Fluorobiphenyl	9.23	172	200242	9.77	ng	0.00
78) Terphenyl-d14	12.99	244	140865	13.82	ng	0.00
Target Compounds						
70) Phenanthrene	11.43	178	149787	7.492	ng	99
74) Fluoranthene	12.62	202	241629	12.027	ng	96
77) Pyrene	12.86	202	225369	11.796	ng	100
80) Benzo(a)anthracene	14.05	228	96760m	6.086	ng	
82) Chrysene	14.08	228	98891m	6.406	ng	
85) Indeno(1,2,3-cd)pyrene	17.08	276	32127	2.629	ng	96
87) Benzo(b)fluoranthene	15.12	252	86033m	7.284	ng	
88) Benzo(k)fluoranthene	15.14	252	28786m	2.588	ng	
89) Benzo(a)pyrene	15.49	252	57301	5.433	ng	# 86
91) Benzo(g,h,i)perylene	17.54	276	29284	3.676	ng	# 86

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

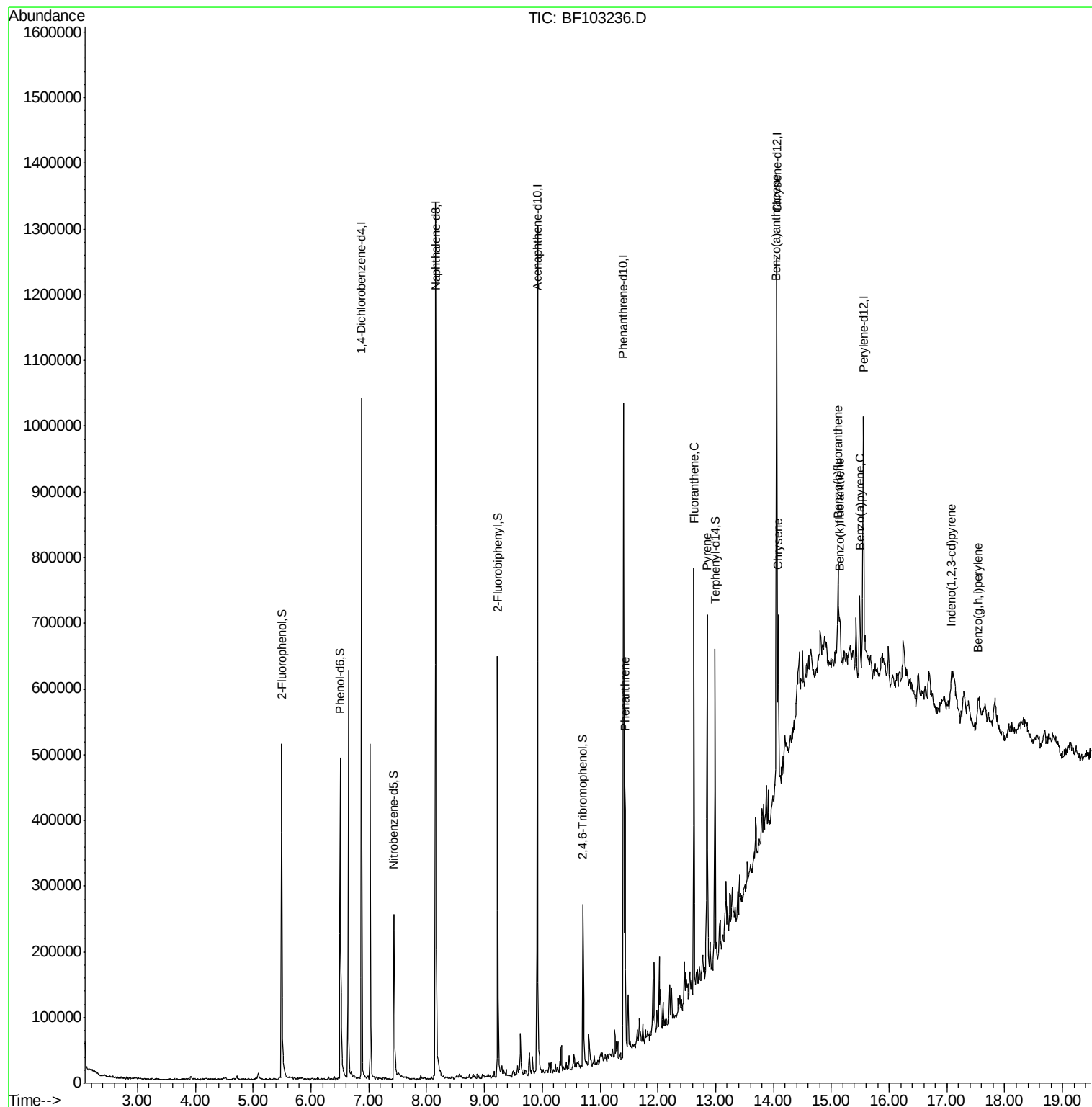
Data Path : Z:\HPCHEM1\BNA F\DATA\BF022618\
Data File : BF103236.D
Acq On : 26 Feb 2018 23:43
Operator : SJ/JU
Sample : J1691-25 5X
Misc :
ALS Vial : 17 Sample Multiplier: 1

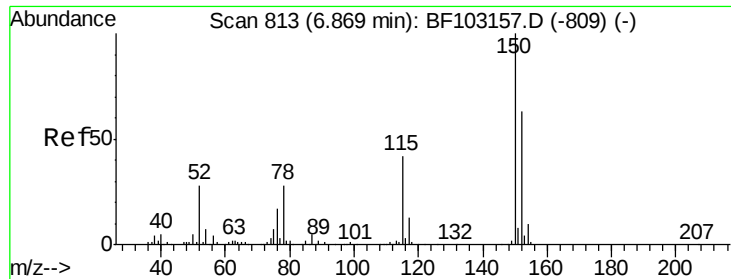
Instrument :
BNA_F
ClientSampled :
B7

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Quant Time: Feb 27 02:56:07 2018
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF022218.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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Response via : Initial Calibration





#1

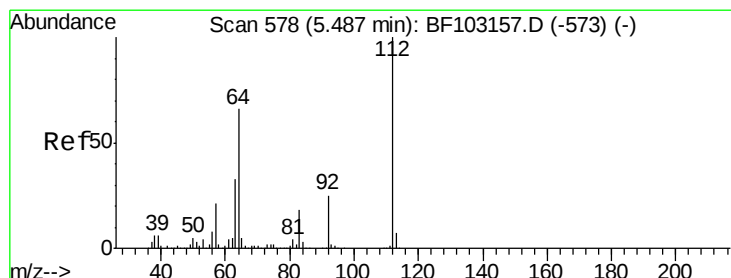
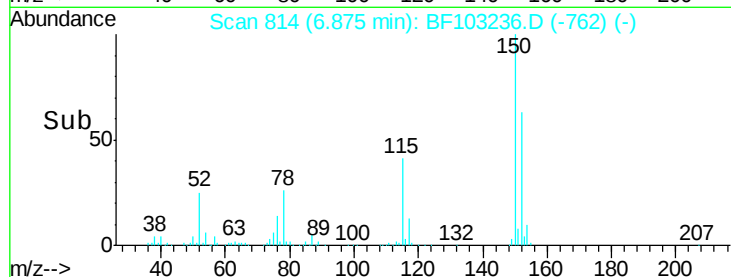
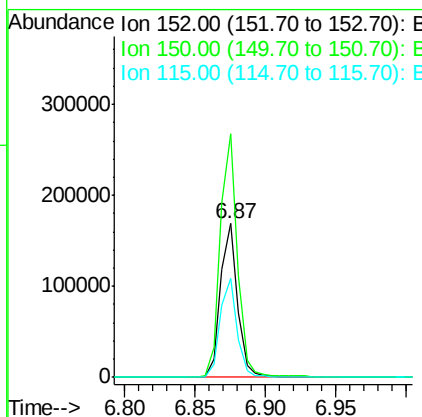
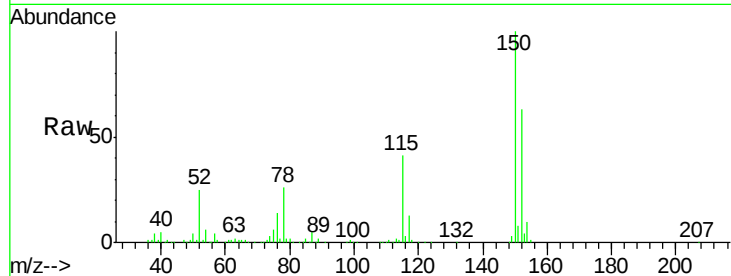
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.87 min Scan# 814
Delta R.T. 0.01 min
Lab File: BF103236.D
Acq: 26 Feb 2018 23:43

Instrument :
BNA_F
ClientSampleId :
B7

Tot Ion	Ratio	Lower	Upper
152	100		
150	158.2	124.6	186.8
115	64.4	50.1	75.1

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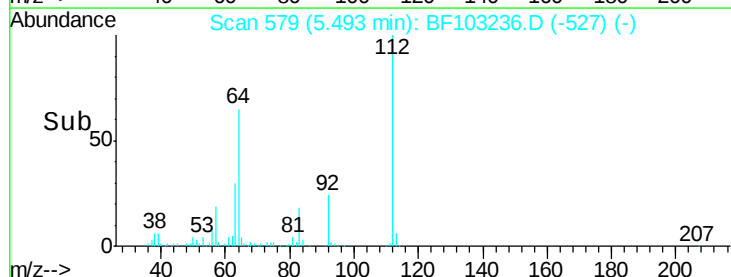
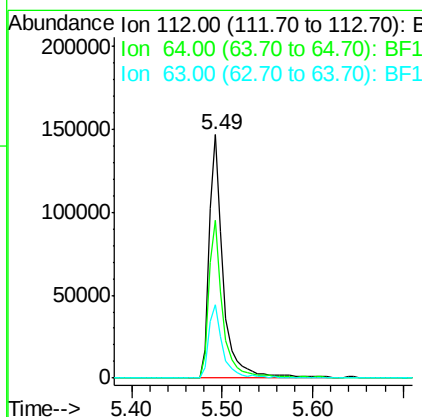
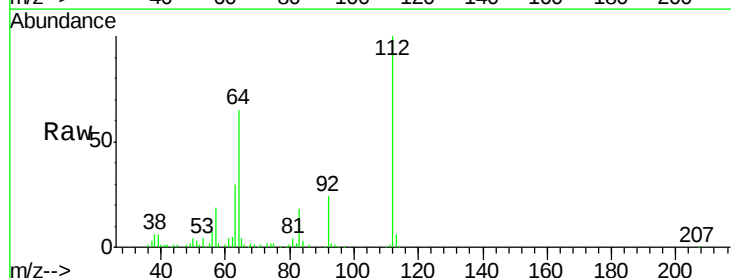
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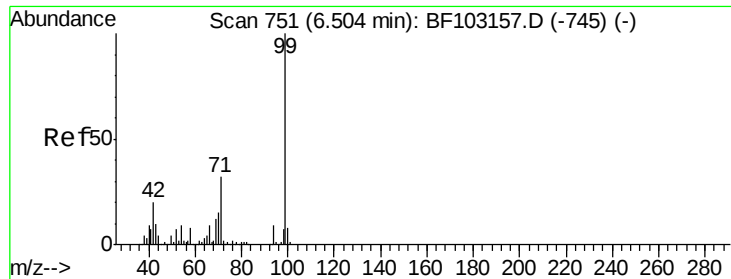


#5

2-Fluorophenol
Concen: 17.016 ng
RT: 5.49 min Scan# 579
Delta R.T. 0.01 min
Lab File: BF103236.D
Acq: 26 Feb 2018 23:43

Tgt Ion	Ratio	Lower	Upper
112	100		
64	64.8	47.9	71.9
63	30.3	23.7	35.5





#7

Phenol-d6

Concen: 16.605 ng

RT: 6.50 min Scan# 751

Delta R.T. 0.00 min

Lab File: BF103236.D

Acq: 26 Feb 2018 23:43

Instrument :

BNA_F

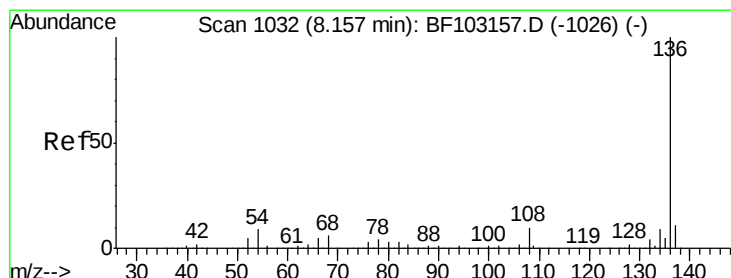
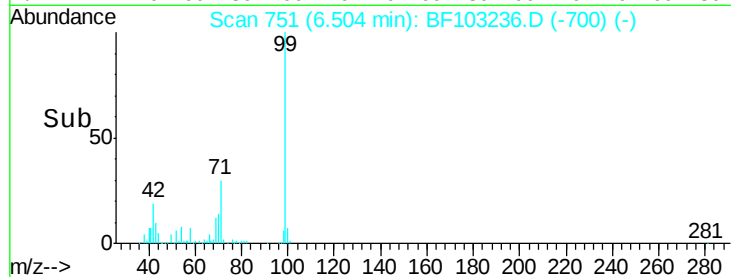
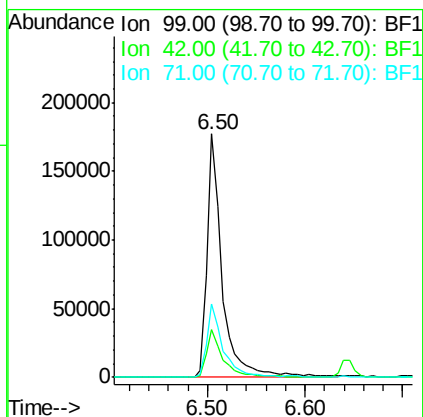
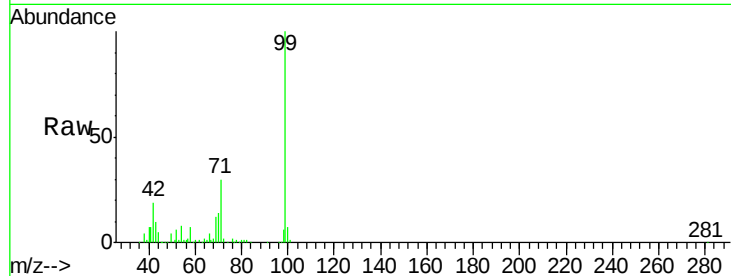
ClientSampleId :

B7

Tot Ion	Ion	Ratio	Resp	Lower	Upper
99	100		192307		
42	19.4	14.5	21.7		
71	30.1	25.4	38.0		

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#21

Naphthalene-d8

Concen: 20.000 ng

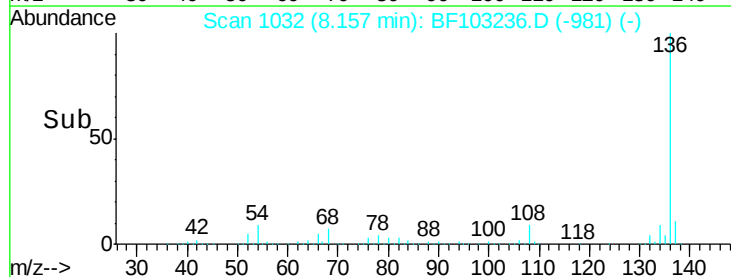
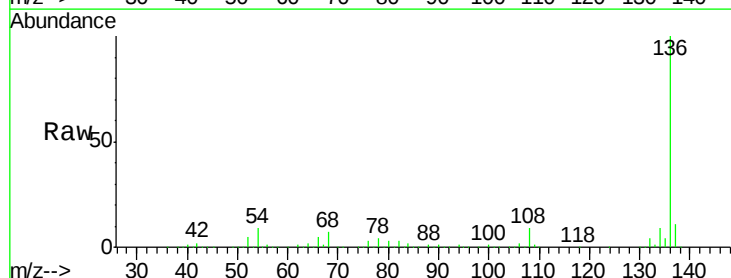
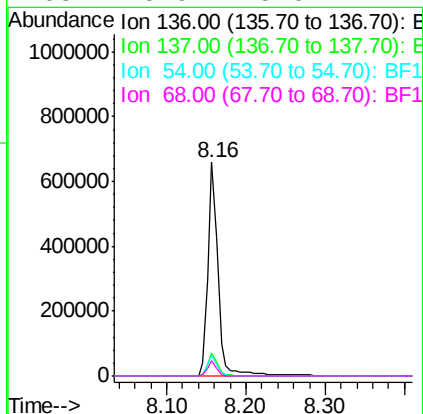
RT: 8.16 min Scan# 1032

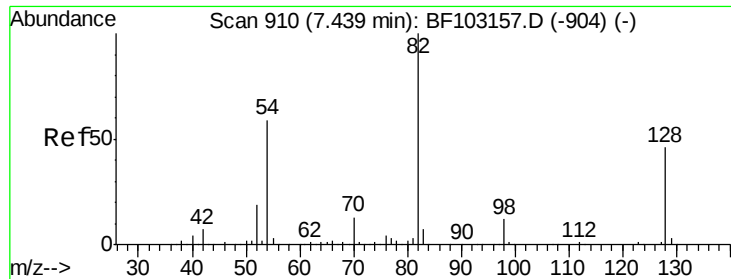
Delta R.T. 0.00 min

Lab File: BF103236.D

Acq: 26 Feb 2018 23:43

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
136	100		597431		
137	11.1	8.9	13.3		
54	9.4	6.6	9.8		
68	6.9	5.0	7.4		





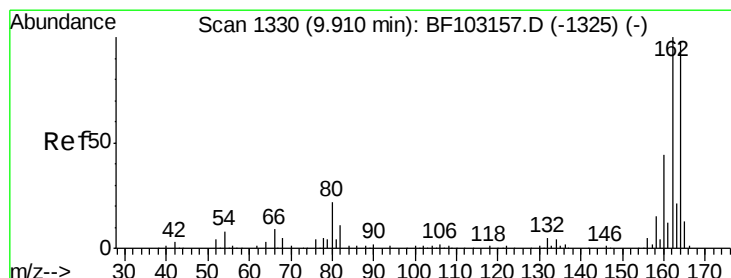
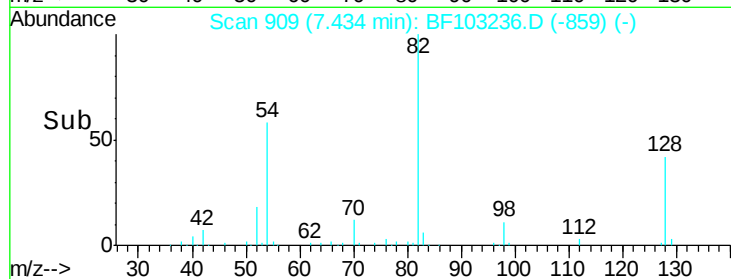
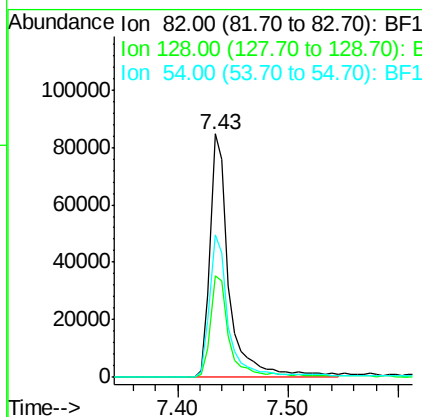
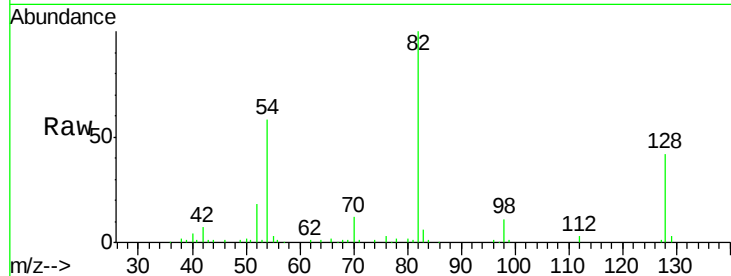
#23
 Nitrobenzene-d5
 Concen: 9.578 ng
 RT: 7.43 min Scan# 909
 Delta R.T. -0.01 min
 Lab File: BF103236.D
 Acq: 26 Feb 2018 23:43

Instrument :
 BNA_F
 ClientSampled :
 B7

Tot Ion	Ratio	Lower	Upper
82	100		
128	41.8	36.1	54.1
54	58.4	41.4	62.2

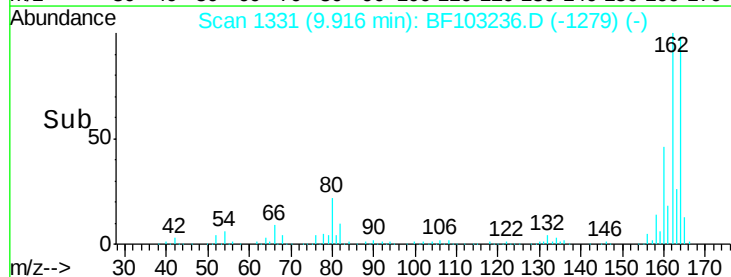
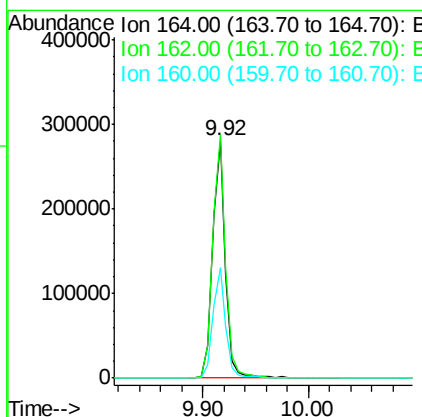
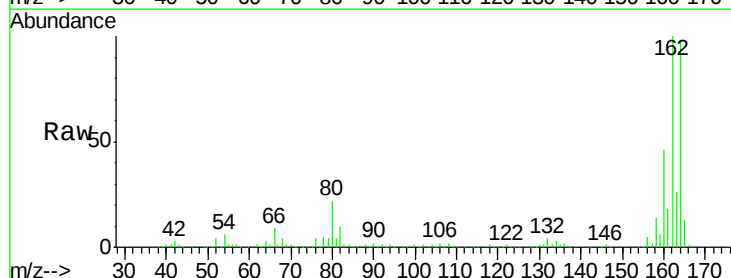
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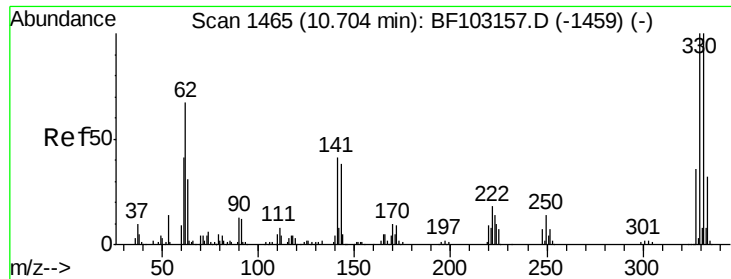
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#38
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.92 min Scan# 1331
 Delta R.T. 0.01 min
 Lab File: BF103236.D
 Acq: 26 Feb 2018 23:43

Tgt Ion	Ratio	Lower	Upper
164	100		
162	102.6	86.1	129.1
160	46.7	38.3	57.5





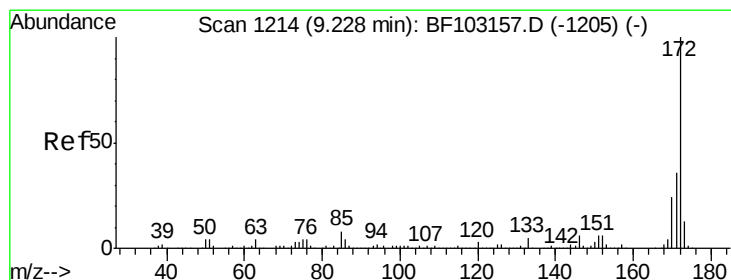
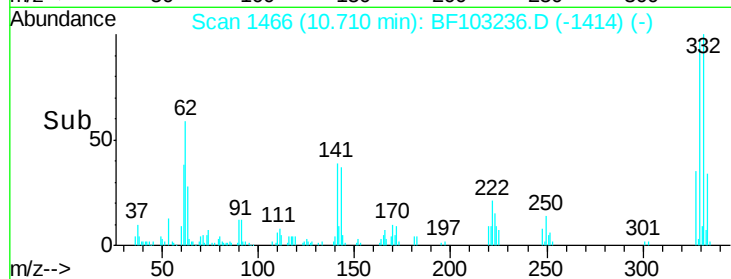
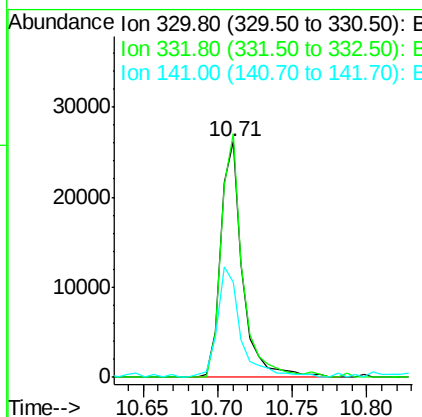
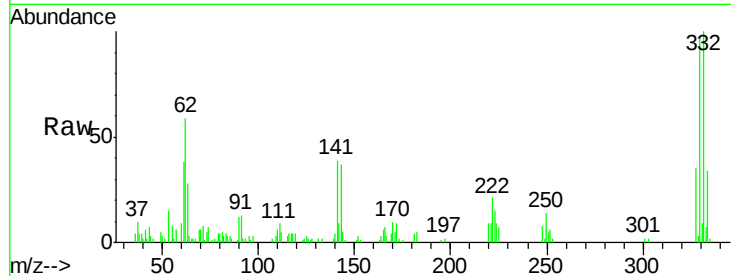
#41
 2,4,6-Tribromophenol
 Concen: 13.250 ng
 RT: 10.71 min Scan# 1466
 Delta R.T. 0.01 min
 Lab File: BF103236.D
 Acq: 26 Feb 2018 23:43

Instrument :
 BNA_F
 ClientSampled :
 B7

Tot Ion	Ratio	Lower	Upper
330	100		
332	101.6	77.0	115.6
141	50.5	29.9	44.9

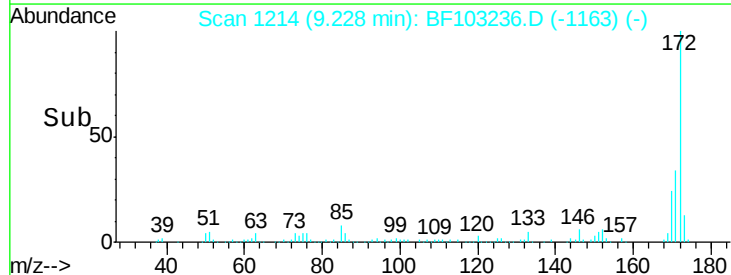
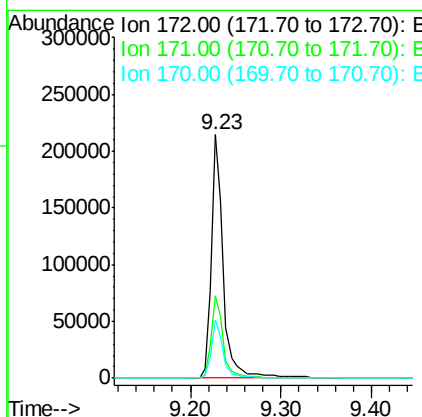
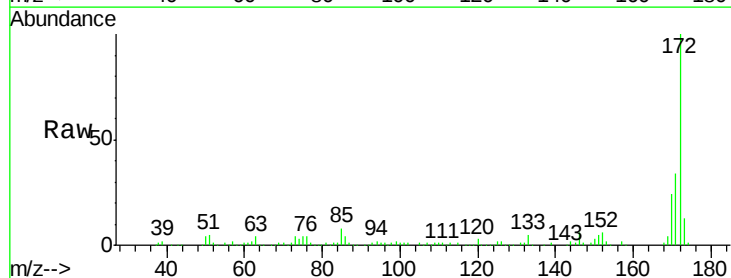
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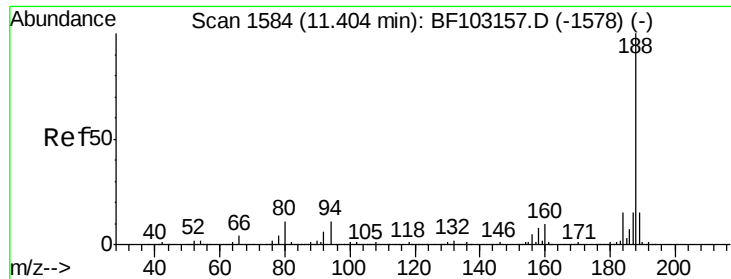
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#44
 2-Fluorobiphenyl
 Concen: 9.767 ng
 RT: 9.23 min Scan# 1214
 Delta R.T. 0.00 min
 Lab File: BF103236.D
 Acq: 26 Feb 2018 23:43

Tgt Ion	Ratio	Lower	Upper
172	100		
171	33.9	29.7	44.5
170	24.0	19.6	29.4





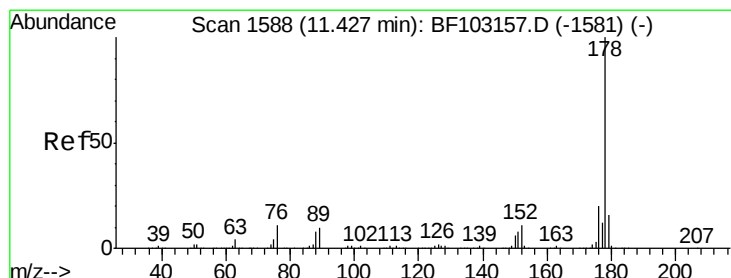
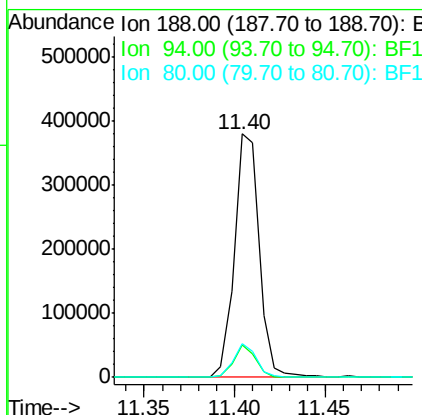
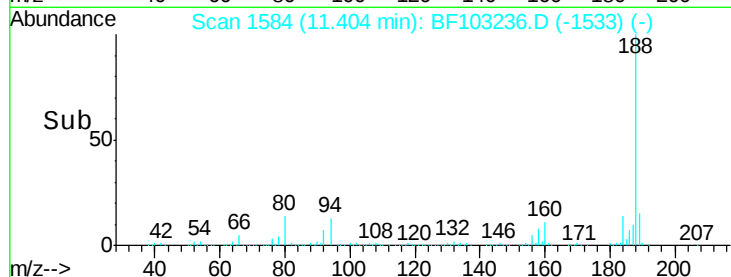
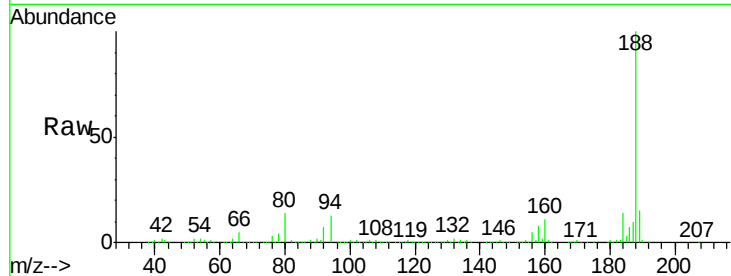
#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.40 min Scan# 1584
Delta R.T. 0.00 min
Lab File: BF103236.D
Acq: 26 Feb 2018 23:43

Instrument :
BNA_F
ClientSampled :
B7

Tot Ion	Ratio	Resp	Lower	Upper
188	100	363296		
94	13.2		8.5	12.7#
80	13.7		9.2	13.8

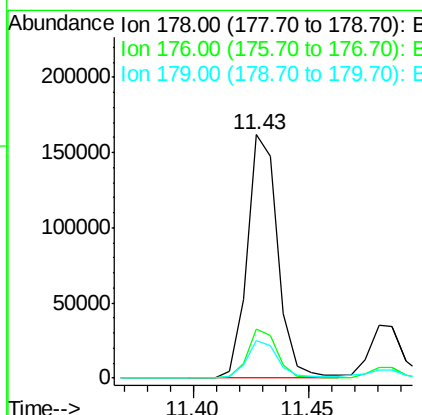
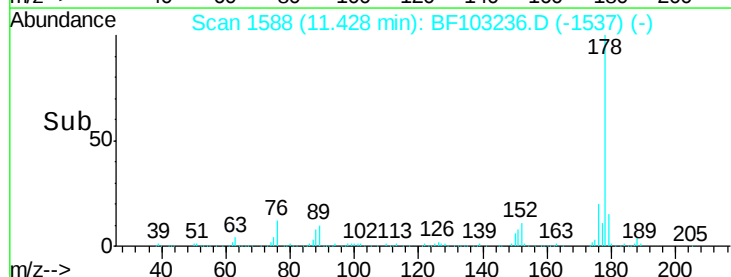
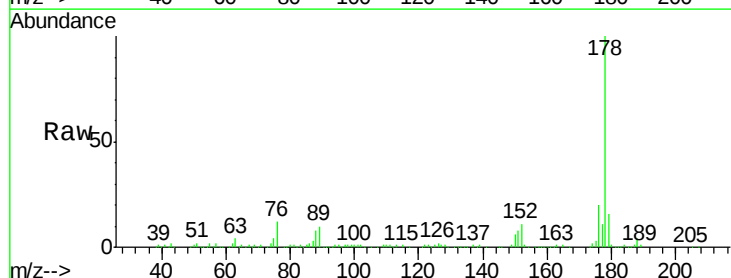
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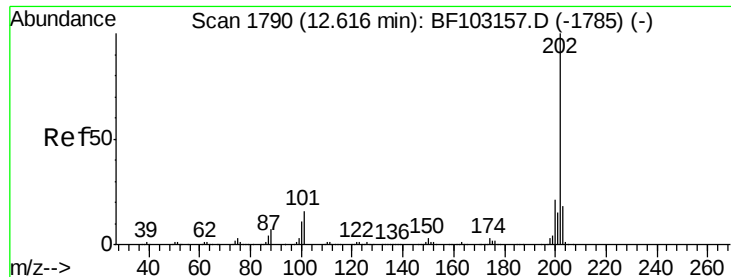
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#70
Phenanthrene
Concen: 7.492 ng
RT: 11.43 min Scan# 1588
Delta R.T. 0.00 min
Lab File: BF103236.D
Acq: 26 Feb 2018 23:43

Tgt Ion	Ratio	Resp	Lower	Upper
178	100	149787		
176	19.9		15.8	23.8
179	15.5		13.0	19.6





#74

Fluoranthene

Concen: 12.027 ng

RT: 12.62 min Scan# 1791

Delta R.T. 0.01 min

Lab File: BF103236.D

Acq: 26 Feb 2018 23:43

Instrument :

BNA_F

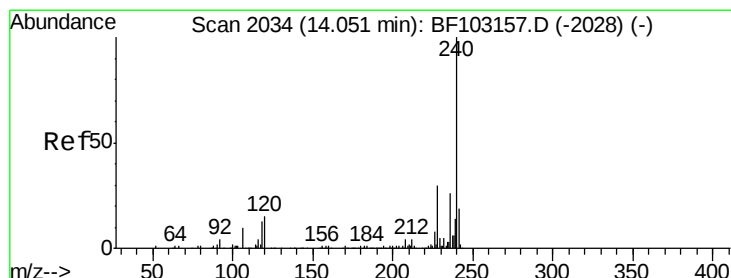
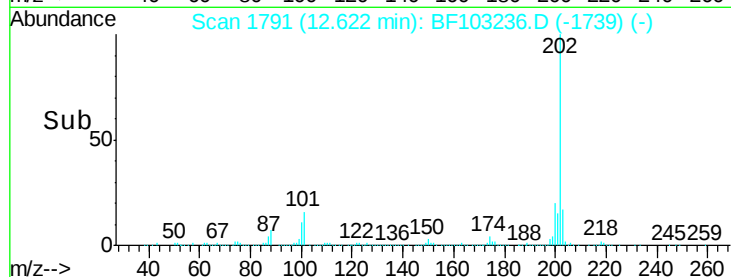
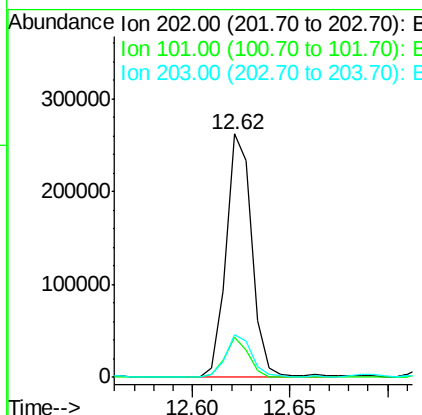
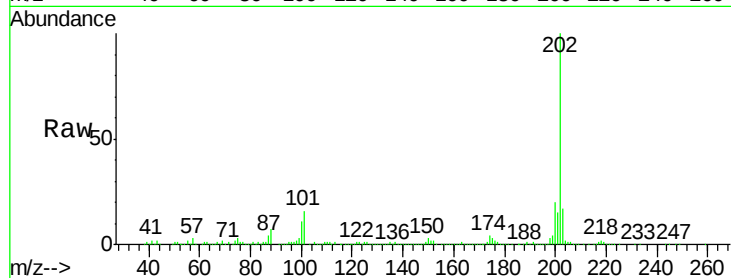
ClientSampleId :

B7

Tot Ion	Ratio	Resp Lower	Upper
202	100		
101	16.5	0.0	34.1
203	17.3	0.0	38.1

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#75

Chrysene-d12

Concen: 20.000 ng

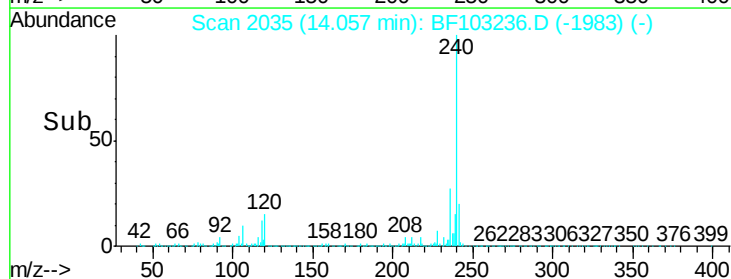
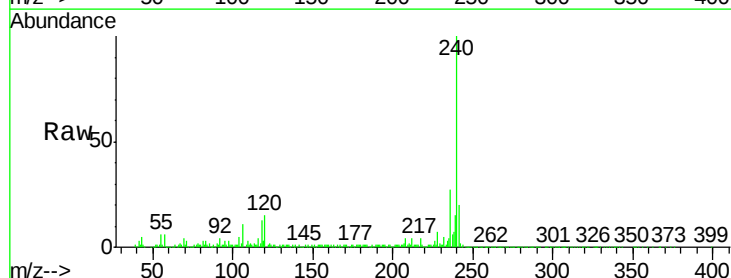
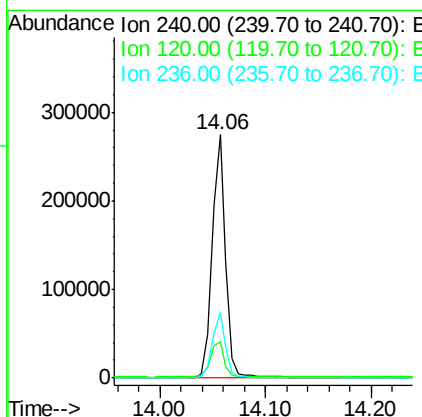
RT: 14.06 min Scan# 2035

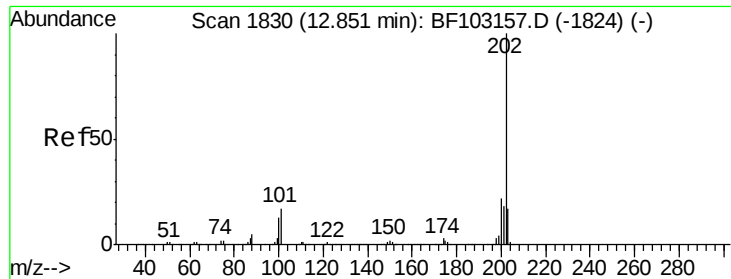
Delta R.T. 0.01 min

Lab File: BF103236.D

Acq: 26 Feb 2018 23:43

Tgt Ion	Ratio	Resp Lower	Upper
240	100		
120	15.1	9.5	14.3#
236	27.0	20.7	31.1





#77

Pvrene

Concen: 11.796 ng

RT: 12.86 min Scan# 1831

Delta R.T. 0.01 min

Lab File: BF103236.D

Acq: 26 Feb 2018 23:43

Instrument :

BNA_F

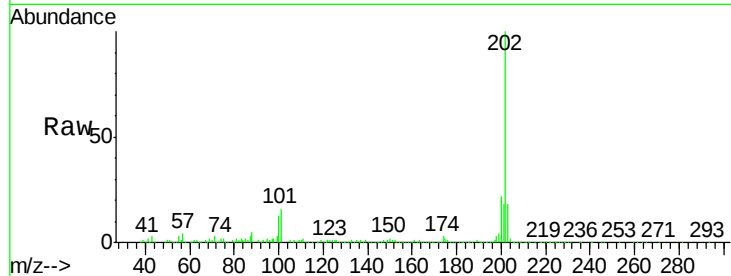
ClientSampleId :

B7

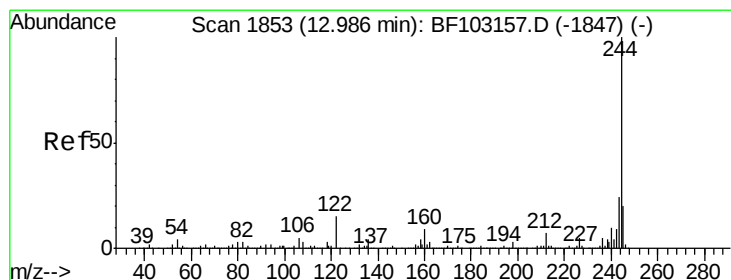
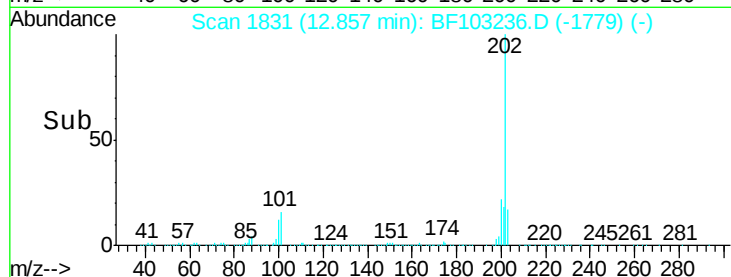
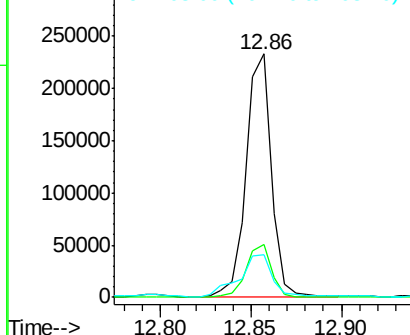
Tot Ion:	202	Resp:	225369
Ion Ratio	Lower	Upper	
202	100		
200	21.9	17.4	26.2
203	17.6	14.3	21.5

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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: 13.818 ng

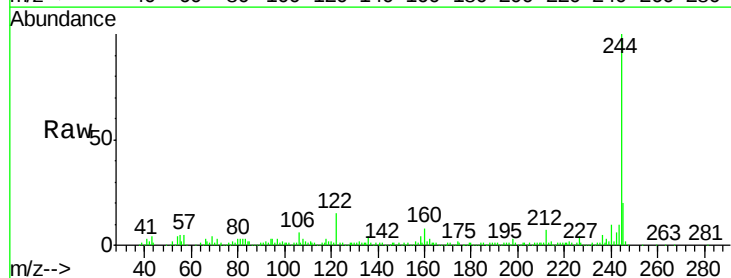
RT: 12.99 min Scan# 1853

Delta R.T. 0.00 min

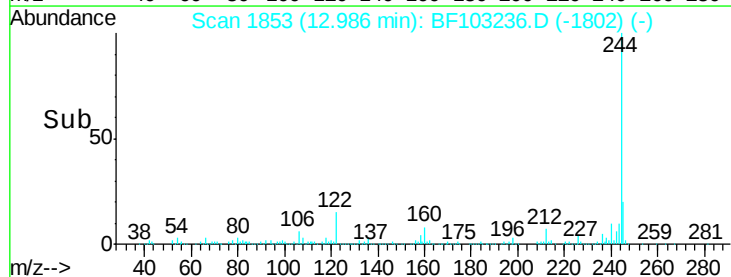
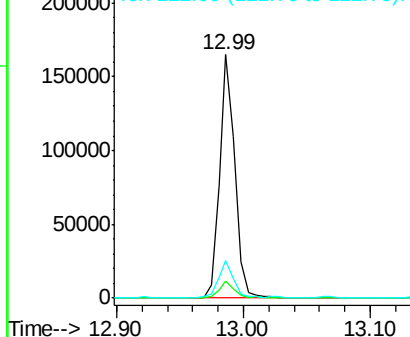
Lab File: BF103236.D

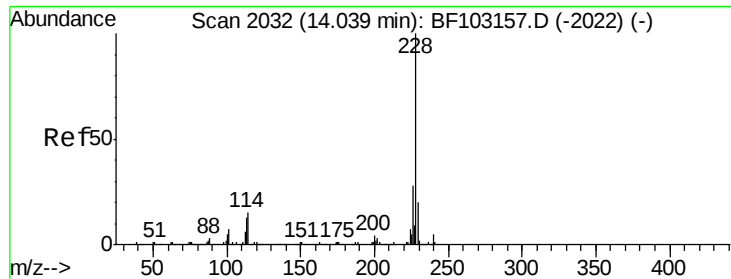
Acq: 26 Feb 2018 23:43

Tgt Ion:	244	Resp:	140865
Ion Ratio	Lower	Upper	
244	100		
212	7.1	5.4	8.0
122	15.4	11.0	16.4



Abundance Ion 244.00 (243.70 to 244.70): E
Ion 212.00 (211.70 to 212.70): E
Ion 122.00 (121.70 to 122.70): E





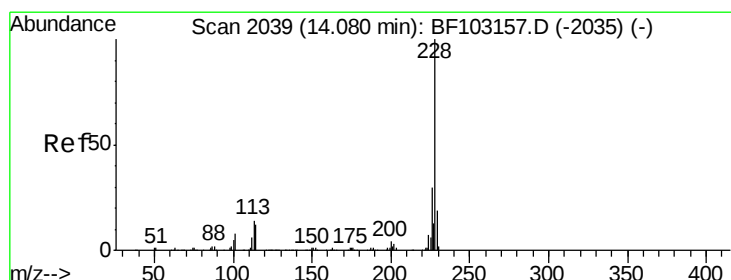
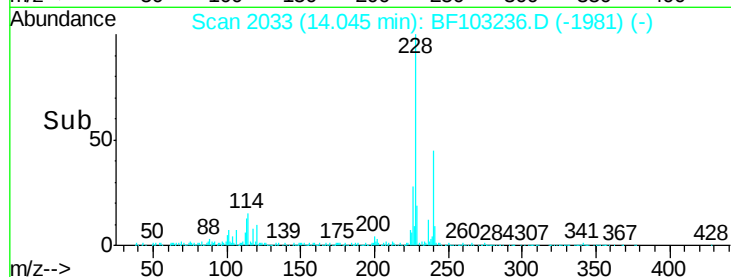
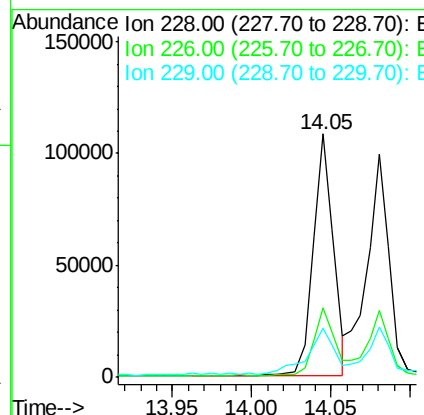
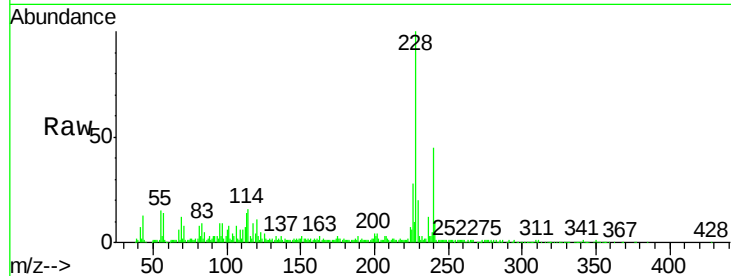
#80
Benzo(a)anthracene
Concen: 6.086 ng m
RT: 14.05 min Scan# 2033
Delta R.T. 0.01 min
Lab File: BF103236.D
Acq: 26 Feb 2018 23:43

Instrument :
BNA_F
ClientSampleId :
B7

Tot Ion	Ratio	Lower	Upper
228	100		
226	28.3	22.6	33.8
229	20.3	15.8	23.6

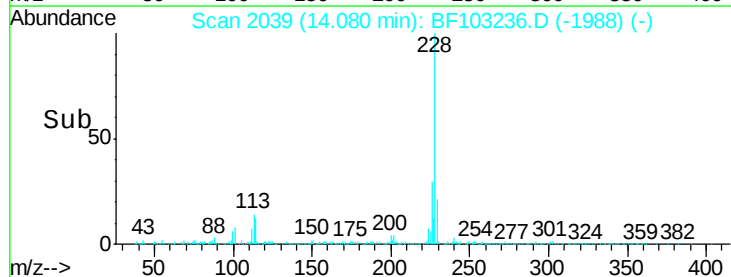
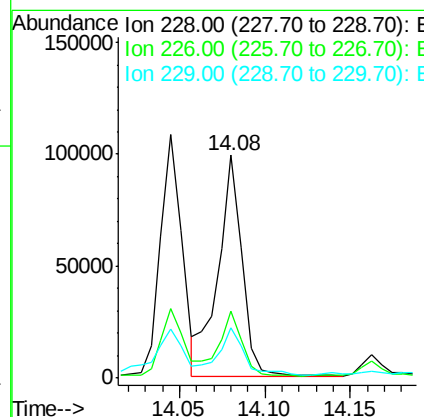
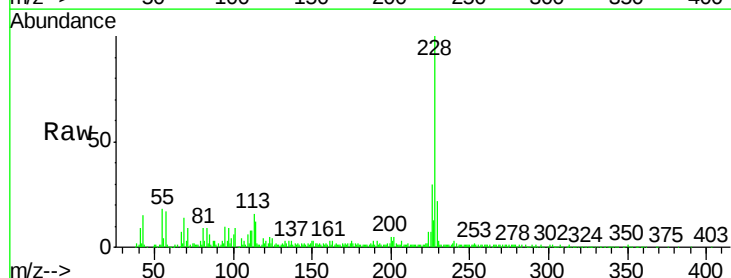
Manual Integrations
APPROVED

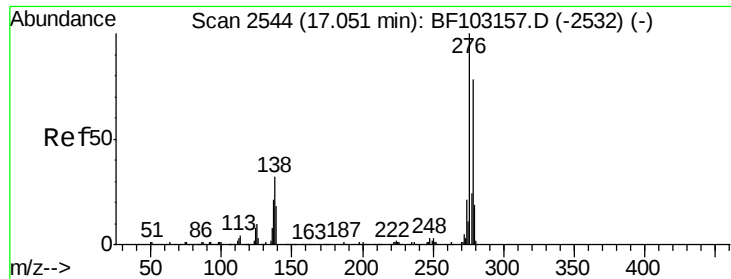
Sohil
2/27/2018 12:23:11 PM



#82
Chrysene
Concen: 6.406 ng m
RT: 14.08 min Scan# 2039
Delta R.T. 0.00 min
Lab File: BF103236.D
Acq: 26 Feb 2018 23:43

Tgt Ion	Ratio	Lower	Upper
228	100		
226	30.2	25.0	37.6
229	22.5	16.2	24.4





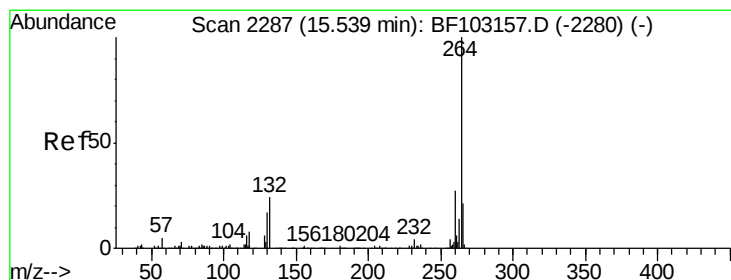
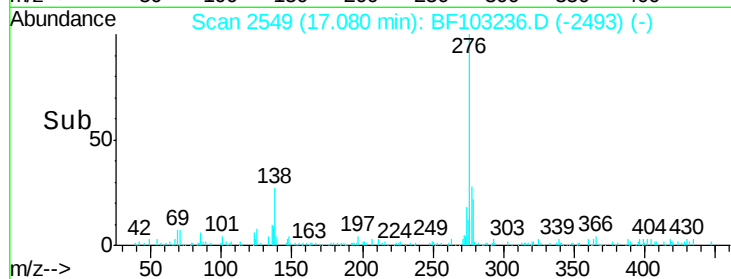
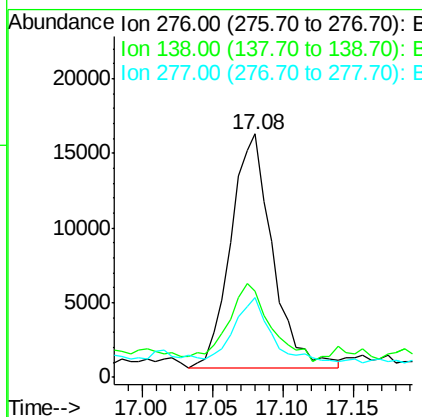
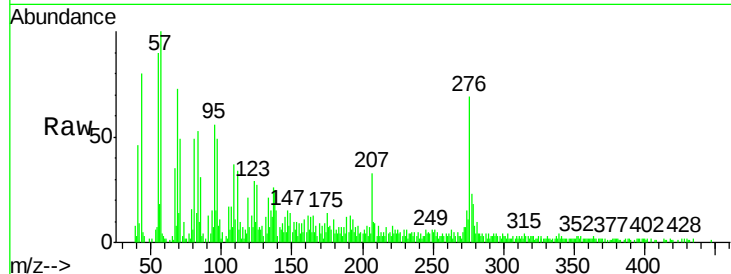
#85
Indeno(1,2,3-cd)pyrene
Concen: 2.629 ng
RT: 17.08 min Scan# 2549
Delta R.T. 0.03 min
Lab File: BF103236.D
Acq: 26 Feb 2018 23:43

Instrument :
BNA_F
ClientSampled :
B7

Tot Ion	Ratio	Lower	Upper
276	100		
138	33.8	25.0	37.6
277	23.6	20.1	30.1

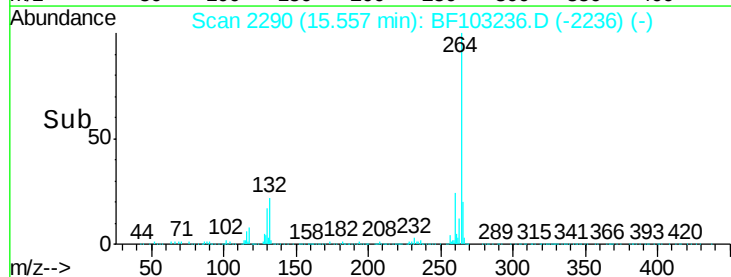
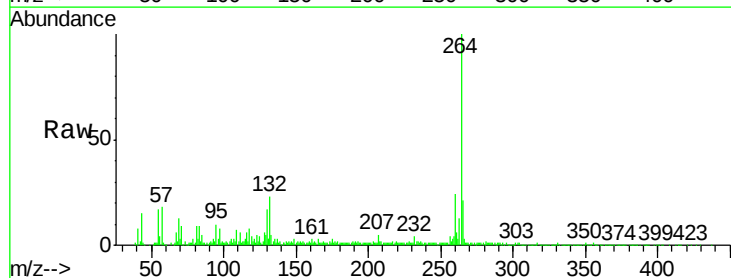
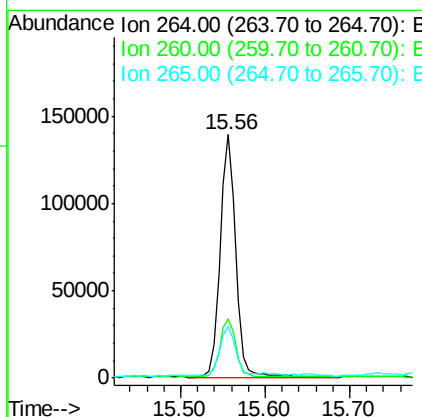
Manual Integrations
APPROVED

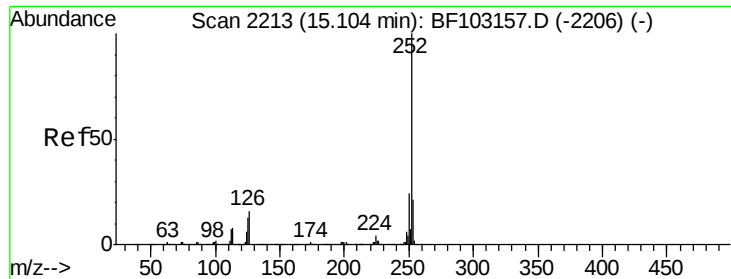
Sohil
2/27/2018 12:23:11 PM



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.56 min Scan# 2290
Delta R.T. 0.02 min
Lab File: BF103236.D
Acq: 26 Feb 2018 23:43

Tgt Ion	Ratio	Lower	Upper
264	100		
260	24.2	19.2	28.8
265	21.0	17.5	26.3





#87

Benzo(b)fluoranthene

Concen: 7.284 ng m

RT: 15.12 min Scan# 2215

Delta R.T. 0.01 min

Lab File: BF103236.D

Acq: 26 Feb 2018 23:43

Instrument :

BNA_F

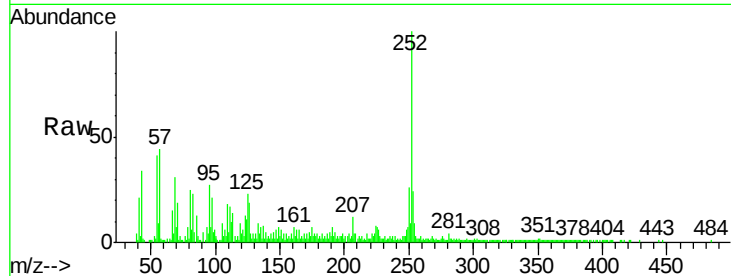
ClientSampled :

B7

Tot Ion:	252	Resp:	86033
Ion Ratio	Lower	Upper	
252	100		
253	23.9	17.0	25.6
125	22.8	9.0	13.6#

Manual Integrations
APPROVED

Sohil
2/27/2018 12:23:11 PM

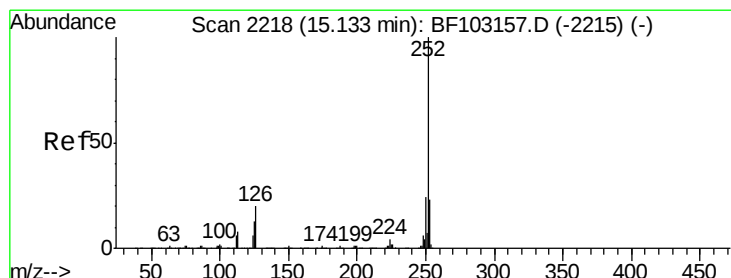
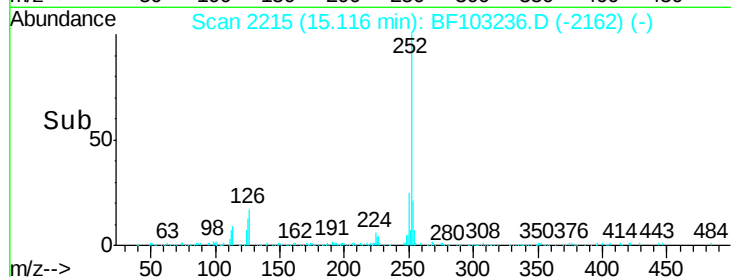
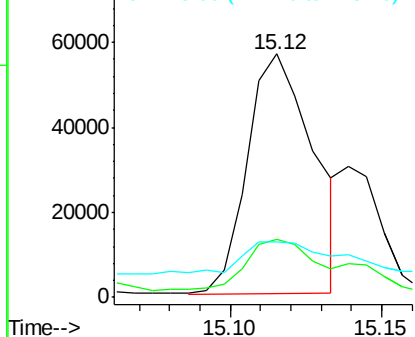


Abundance

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



#88

Benzo(k)fluoranthene

Concen: 2.588 ng m

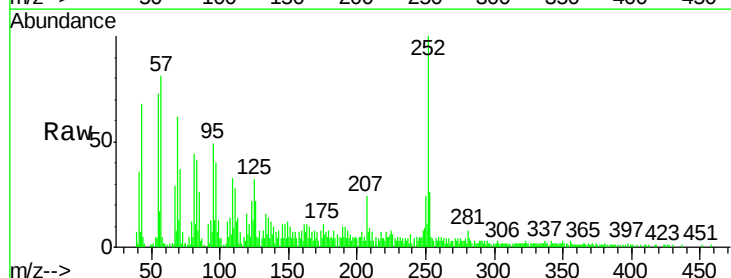
RT: 15.14 min Scan# 2219

Delta R.T. 0.01 min

Lab File: BF103236.D

Acq: 26 Feb 2018 23:43

Tgt Ion:	252	Resp:	28786
Ion Ratio	Lower	Upper	
252	100		
253	25.5	17.9	26.9
125	32.2	10.2	15.2#

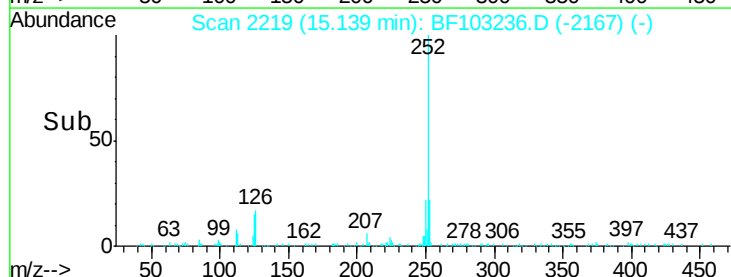
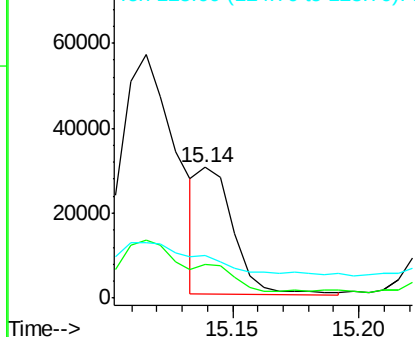


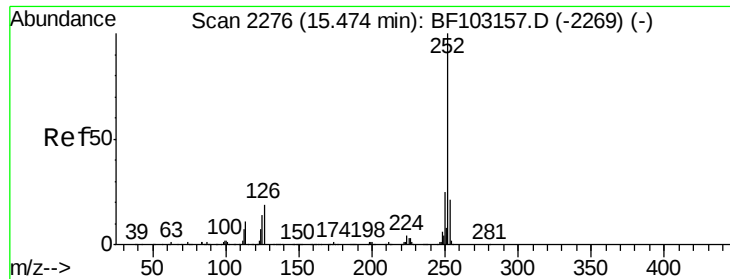
Abundance

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





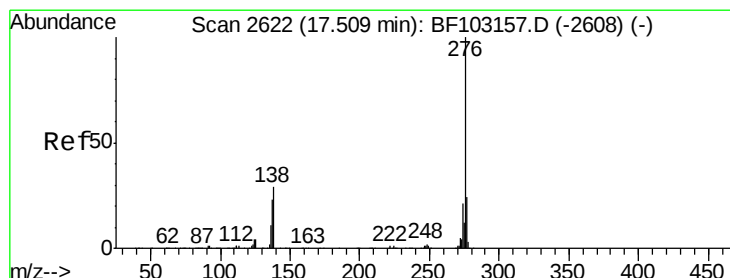
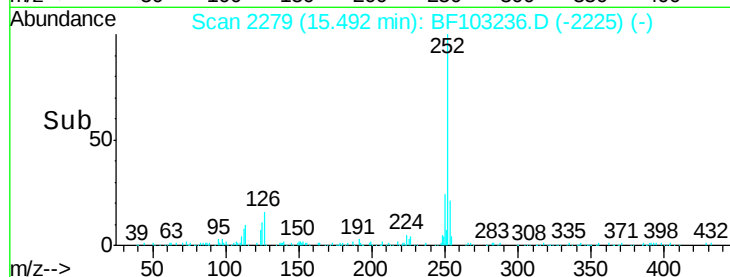
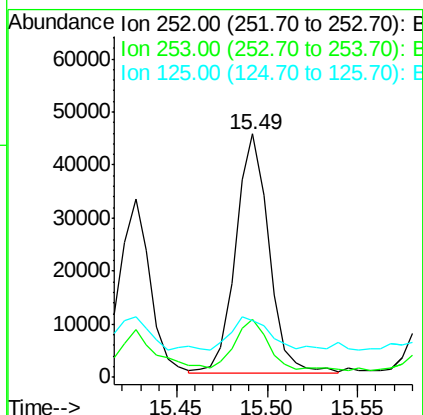
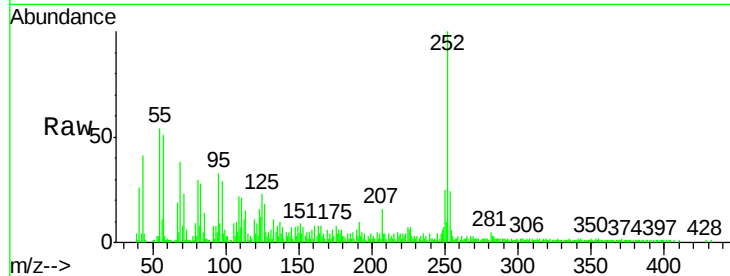
#89
Benzo(a)pyrene
Concen: 5.433 ng
RT: 15.49 min Scan# 2279
Delta R.T. 0.02 min
Lab File: BF103236.D
Acq: 26 Feb 2018 23:43

Instrument :
BNA_F
ClientSampled :
B7

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.8	17.1	25.7
125	23.5	9.8	14.6

Manual Integrations
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2/27/2018 12:23:11 PM



#91
Benzo(g,h,i)perylene
Concen: 3.676 ng
RT: 17.54 min Scan# 2627
Delta R.T. 0.03 min
Lab File: BF103236.D
Acq: 26 Feb 2018 23:43

Tgt Ion	Ratio	Lower	Upper
276	100		
277	29.6	17.9	26.9
138	33.9	21.8	32.8

