

Data Path : Z:\HPCHEM1\BNA F\DATA\BF013018\
 Data File : BF102653.D
 Acq On : 30 Jan 2018 21:30
 Operator : SJ/JU
 Sample : J1019-13 5X
 Misc :
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 EO-03-012918-B

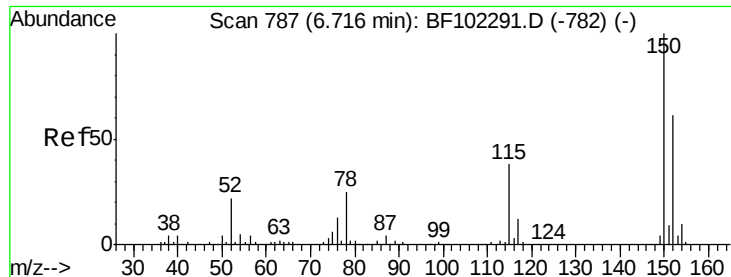
Manual Integrations
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 1/31/2018 2:00:27 PM

Quant Time: Jan 31 09:34:55 2018
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF012218.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Sat Jan 27 20:48:40 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.71	152	156414	20.00	ng	0.00
21) Naphthalene-d8	7.99	136	643561	20.00	ng	0.00
38) Acenaphthene-d10	9.75	164	275764	20.00	ng	0.00
63) Phenanthrene-d10	11.23	188	413342	20.00	ng	0.00
75) Chrysene-d12	13.88	240	295186	20.00	ng	0.00
86) Perylene-d12	15.31	264	252859	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.32	112	275585	26.71	ng	0.00
7) Phenol-d6	6.36	99	335721	26.99	ng	0.00
23) Nitrobenzene-d5	7.28	82	195932	17.50	ng	0.00
41) 2,4,6-Tribromophenol	10.55	330	50493	18.48	ng	0.00
44) 2-Fluorobiphenyl	9.07	172	389901	20.79	ng	0.00
78) Terphenyl-d14	12.82	244	259685	19.83	ng	0.00
Target Compounds						
70) Phenanthrene	11.26	178	48779	2.025	ng	98
74) Fluoranthene	12.45	202	114725	4.671	ng	98
77) Pyrene	12.68	202	110713	4.851	ng	98
80) Benzo(a)anthracene	13.87	228	50666m	2.788	ng	
82) Chrysene	13.90	228	49273m	2.670	ng	
87) Benzo(b)fluoranthene	14.90	252	64568m	3.940	ng	
89) Benzo(a)pyrene	15.25	252	49524	3.350	ng	# 88

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



#1

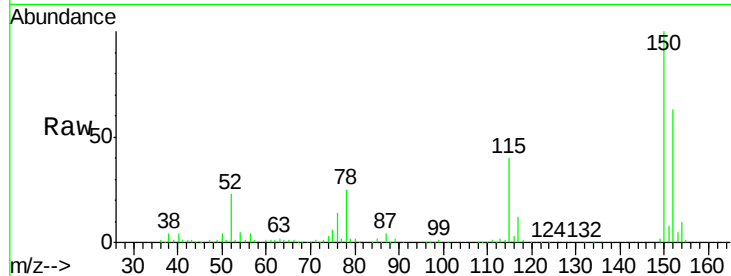
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.71 min Scan# 786
Delta R.T. -0.01 min
Lab File: BF102653.D
Acq: 30 Jan 2018 21:30

Instrument :
BNA_F
ClientSampleId :
EO-03-012918-B

Tot Ion	Ratio	Lower	Upper
152	100		
150	157.5	124.6	186.8
115	63.5	50.1	75.1

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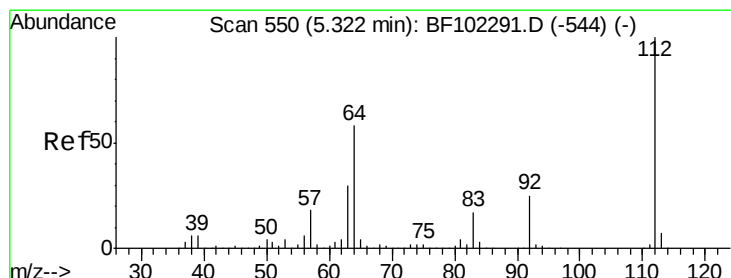
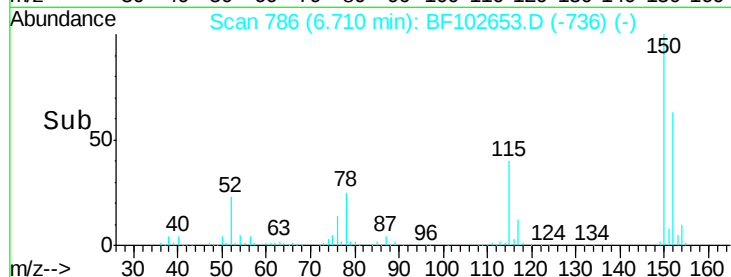
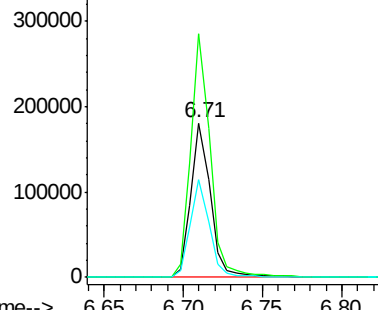


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

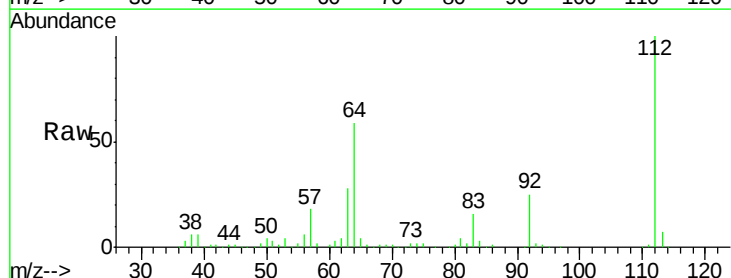
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 26.715 ng
RT: 5.32 min Scan# 550
Delta R.T. -0.00 min
Lab File: BF102653.D
Acq: 30 Jan 2018 21:30

Tgt Ion	Ratio	Lower	Upper
112	100		
64	58.6	47.9	71.9
63	28.0	23.7	35.5

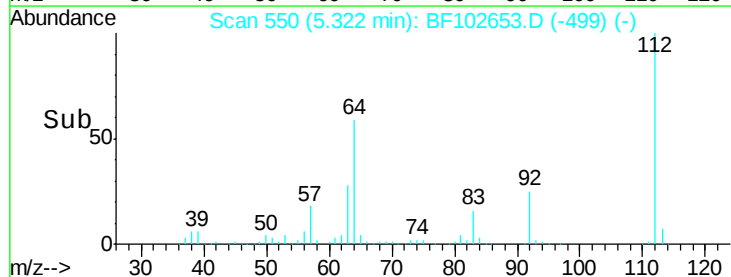
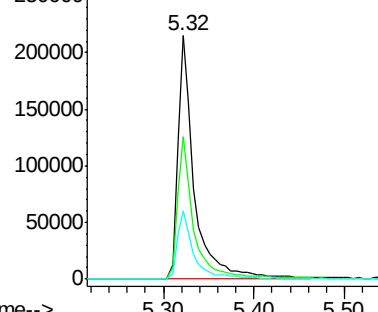


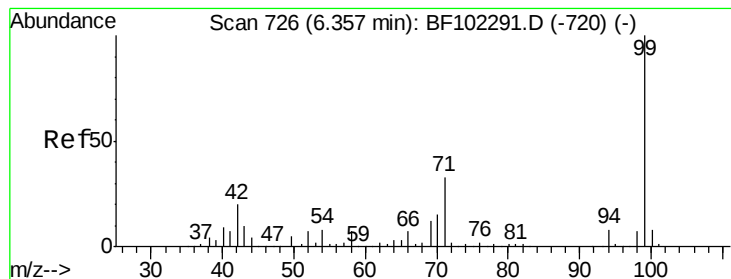
Abundance

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: 26.995 ng

RT: 6.36 min Scan# 726

Delta R.T. -0.01 min

Lab File: BF102653.D

Acq: 30 Jan 2018 21:30

Instrument :

BNA_F

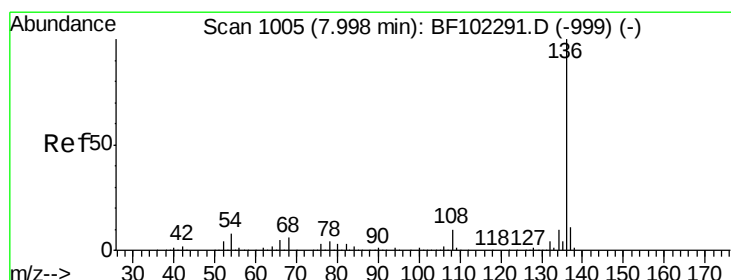
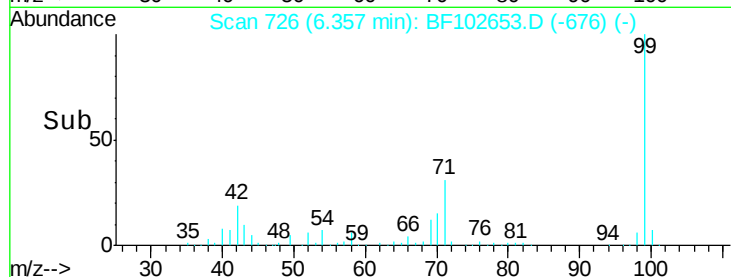
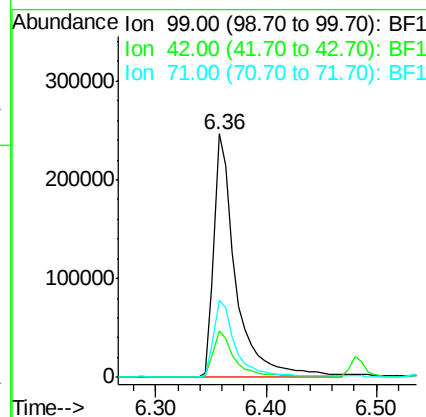
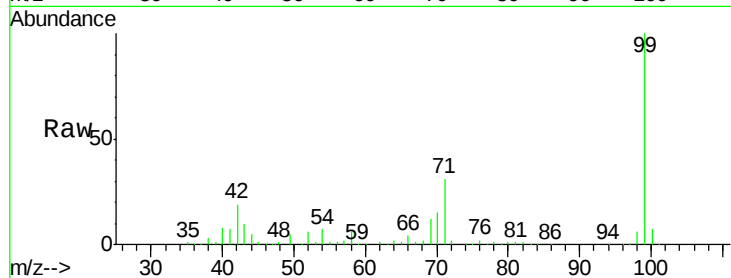
ClientSampleId :

EO-03-012918-B

Tot Ion	Ion	Ratio	Resp	Lower	Upper
99	100		335721		
42	19.3	14.5	21.7		
71	31.5	25.4	38.0		

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#21

Naphthalene-d8

Concen: 20.000 ng

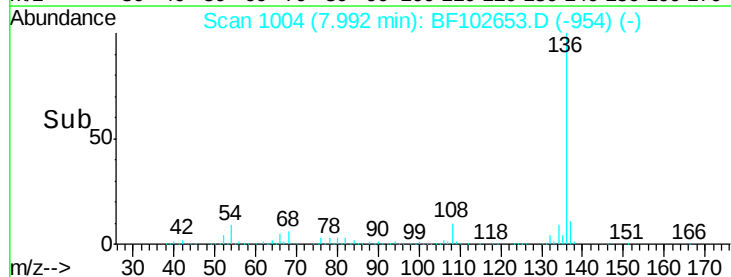
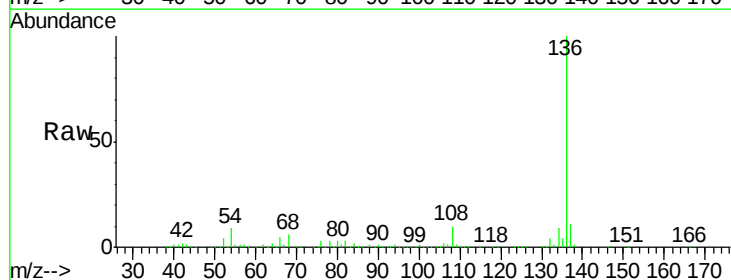
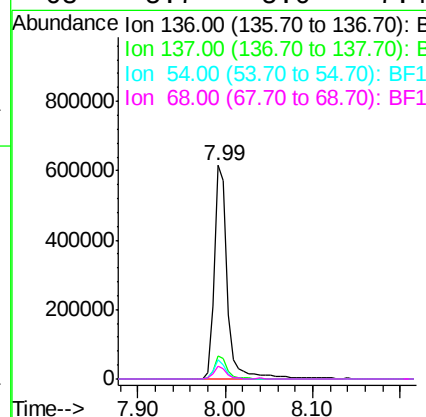
RT: 7.99 min Scan# 1004

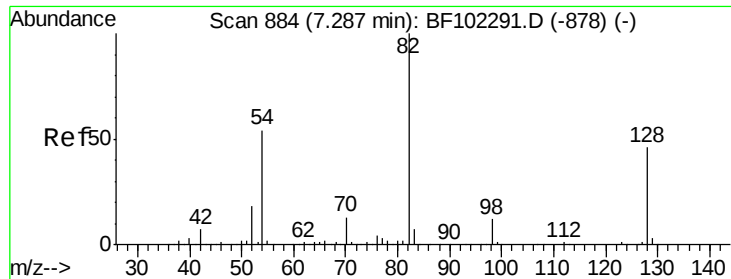
Delta R.T. -0.01 min

Lab File: BF102653.D

Acq: 30 Jan 2018 21:30

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
136	100		643561		
137	11.1	8.9	13.3		
54	8.7	6.6	9.8		
68	5.7	5.0	7.4		





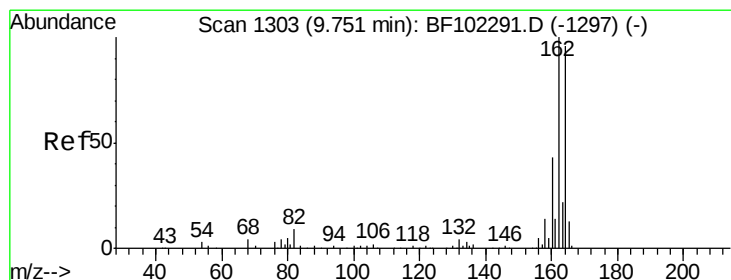
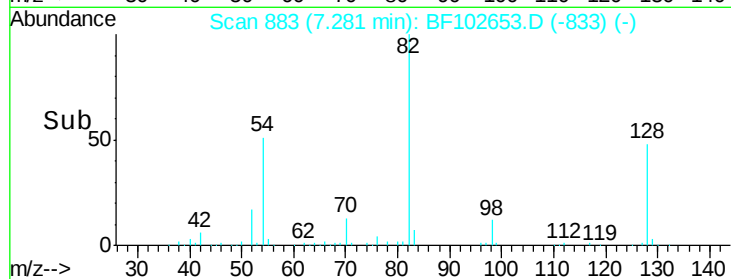
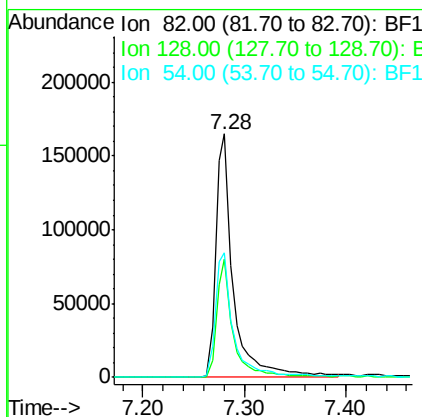
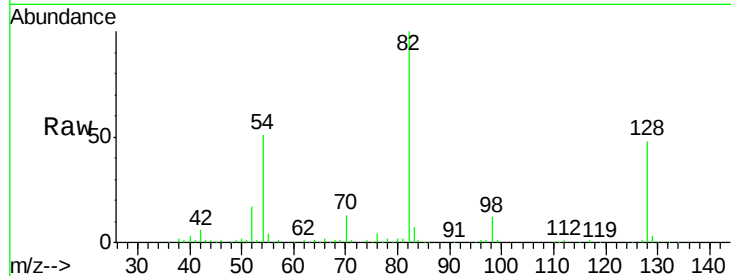
#23
Nitrobenzene-d5
Concen: 17.496 ng
RT: 7.28 min Scan# 883
Delta R.T. -0.01 min
Lab File: BF102653.D
Acq: 30 Jan 2018 21:30

Instrument :
BNA_F
ClientSampleId :
EO-03-012918-B

Tot Ion	Ratio	Lower	Upper
82	100		
128	48.3	36.1	54.1
54	51.0	41.4	62.2

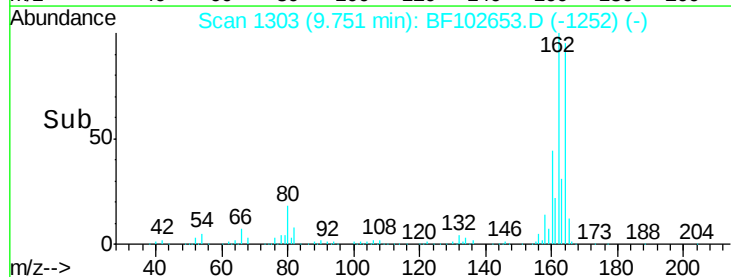
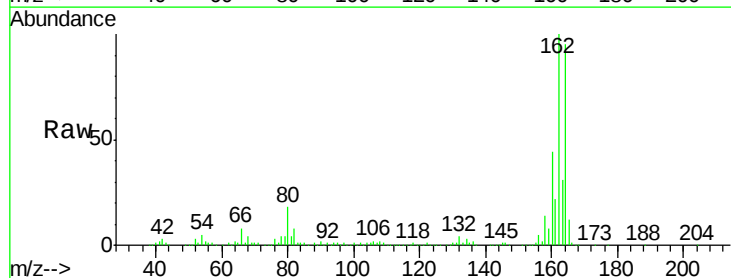
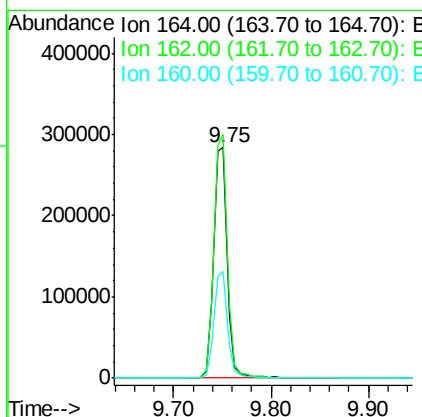
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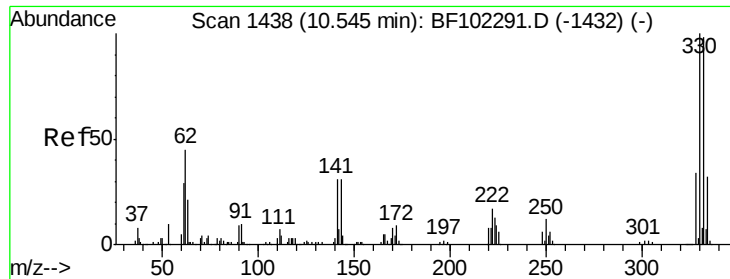
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#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.75 min Scan# 1303
Delta R.T. -0.00 min
Lab File: BF102653.D
Acq: 30 Jan 2018 21:30

Tgt Ion	Ratio	Lower	Upper
164	100		
162	105.6	86.1	129.1
160	46.0	38.3	57.5





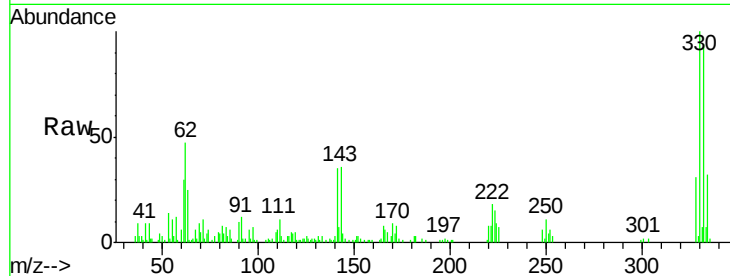
#41
 2,4,6-Tribromophenol
 Concen: 18.479 ng
 RT: 10.55 min Scan# 1438
 Delta R.T. -0.00 min
 Lab File: BF102653.D
 Acq: 30 Jan 2018 21:30

Instrument :
 BNA_F
 ClientSampleId :
 EO-03-012918-B

Tot Ion	Ratio	Lower	Upper
330	100		
332	94.9	77.0	115.6
141	42.2	29.9	44.9

Manual Integrations
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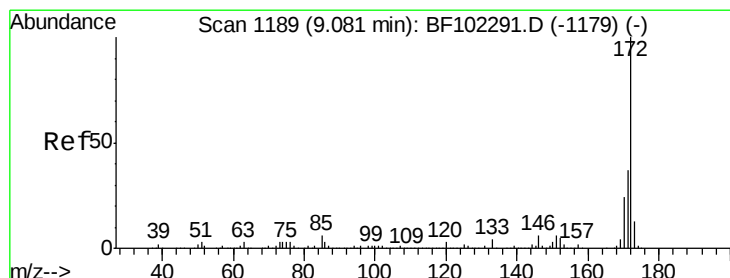
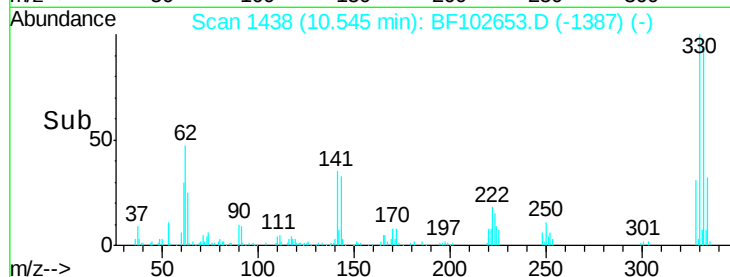
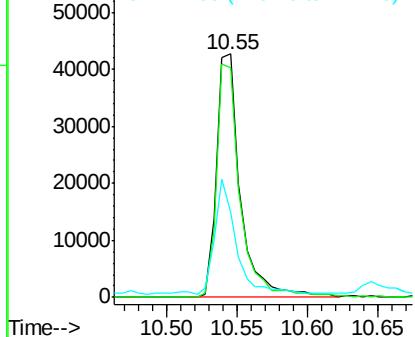


Abundance

Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E



#44
 2-Fluorobiphenyl
 Concen: 20.789 ng
 RT: 9.07 min Scan# 1187
 Delta R.T. -0.01 min
 Lab File: BF102653.D
 Acq: 30 Jan 2018 21:30

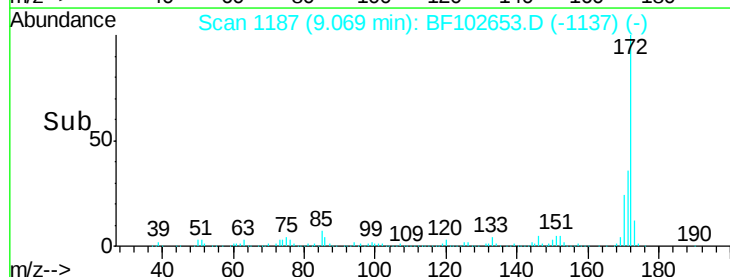
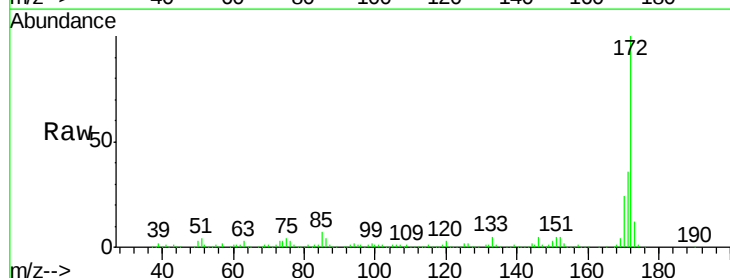
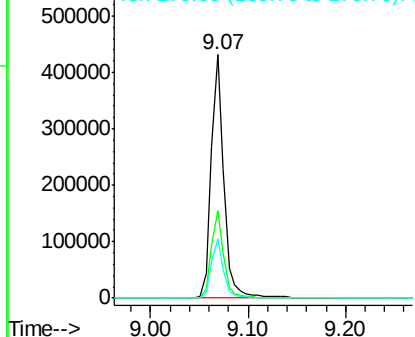
Tgt Ion	Ratio	Lower	Upper
172	100		
171	35.9	29.7	44.5
170	24.4	19.6	29.4

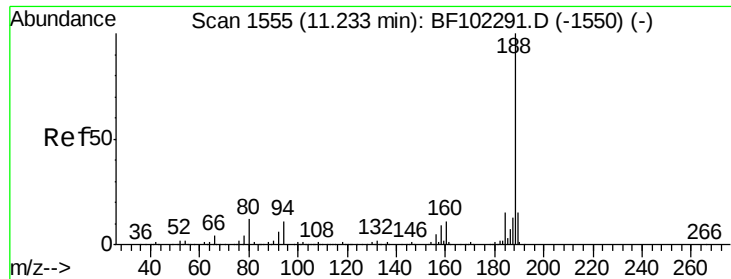
Abundance

Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E





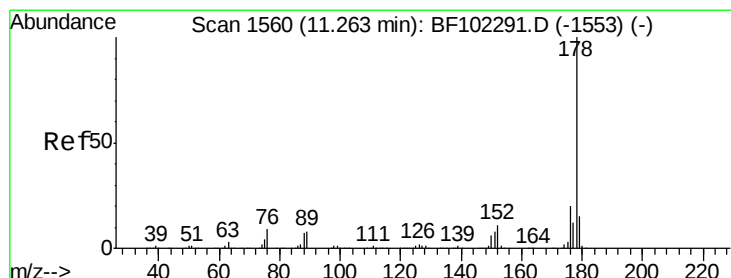
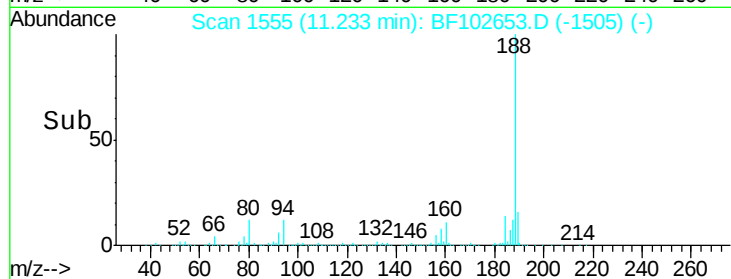
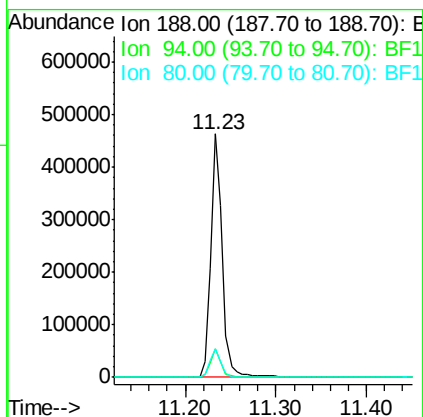
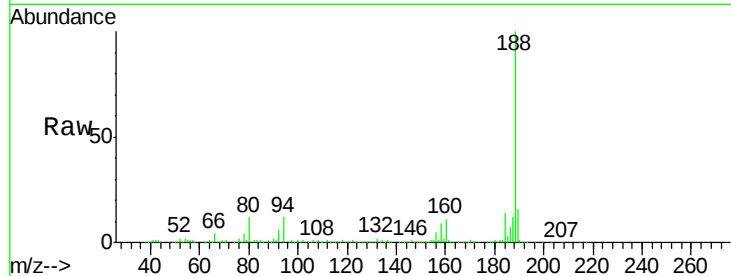
#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.23 min Scan# 1555
Delta R.T. -0.01 min
Lab File: BF102653.D
Acq: 30 Jan 2018 21:30

Instrument :
BNA_F
ClientSampleId :
EO-03-012918-B

Tot Ion	Ratio	Resp	Lower	Upper
188	100	413342		
94	11.7		8.5	12.7
80	12.0		9.2	13.8

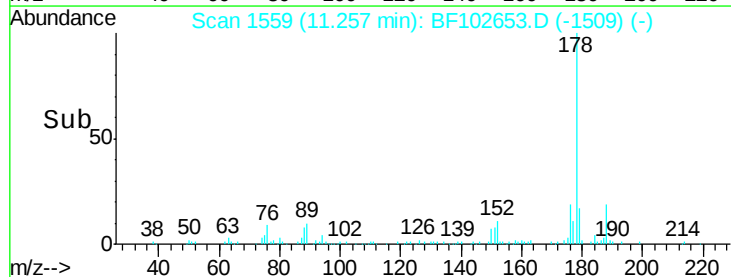
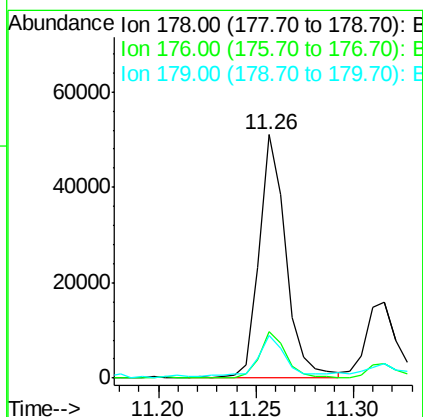
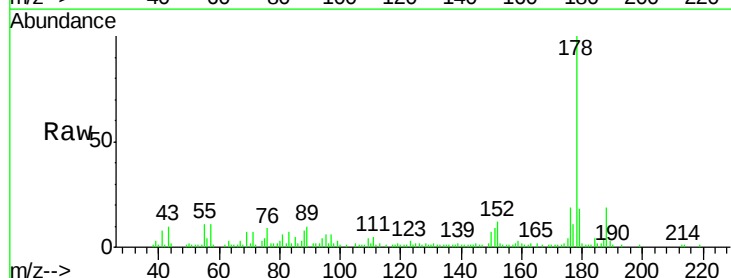
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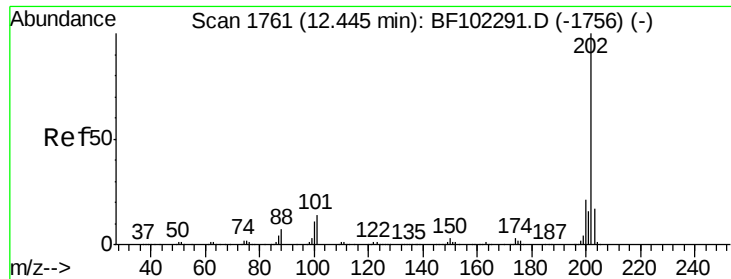
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#70
Phenanthrene
Concen: 2.025 ng
RT: 11.26 min Scan# 1559
Delta R.T. -0.01 min
Lab File: BF102653.D
Acq: 30 Jan 2018 21:30

Tgt Ion	Ratio	Resp	Lower	Upper
178	100	48779		
176	19.0		15.8	23.8
179	17.6		13.0	19.6





#74

Fluoranthene

Concen: 4.671 ng

RT: 12.45 min Scan# 1762

Delta R.T. -0.00 min

Lab File: BF102653.D

Acq: 30 Jan 2018 21:30

Instrument :

BNA_F

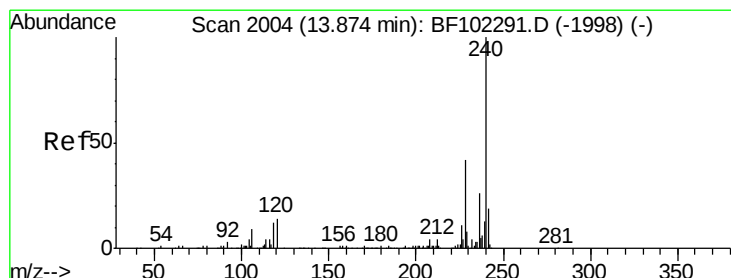
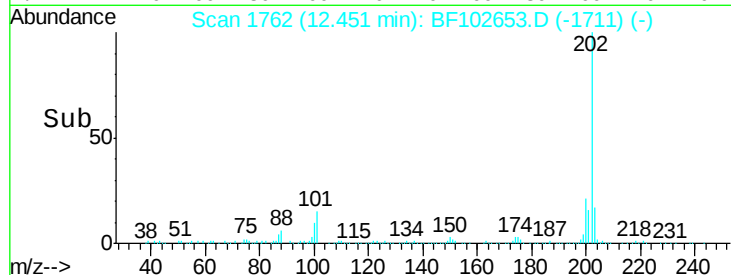
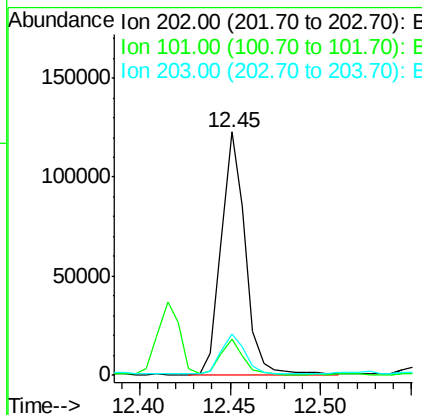
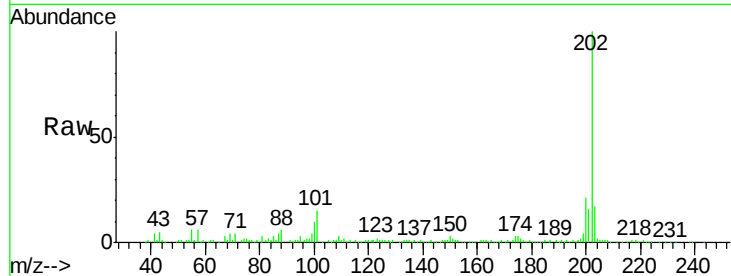
ClientSampleId :

EO-03-012918-B

Tot Ion:	202	Resp:	114725
Ion Ratio	Lower	Upper	
202	100		
101	15.0	0.0	34.1
203	17.0	0.0	38.1

Manual Integrations
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#75

Chrysene-d12

Concen: 20.000 ng

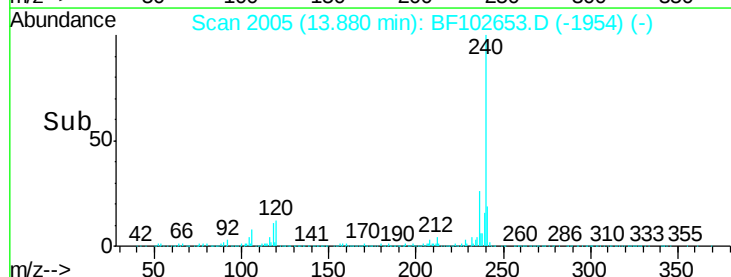
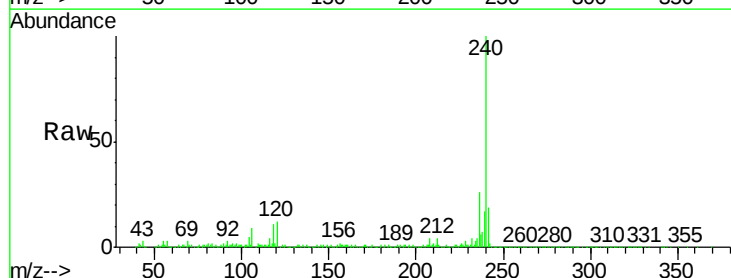
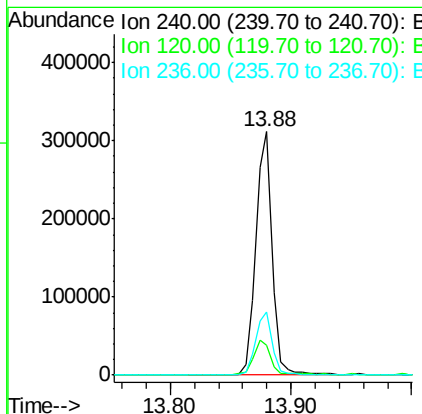
RT: 13.88 min Scan# 2005

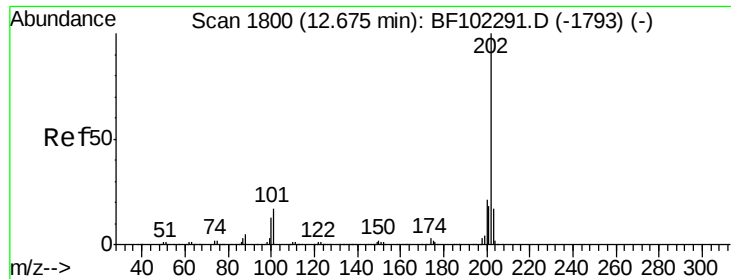
Delta R.T. -0.00 min

Lab File: BF102653.D

Acq: 30 Jan 2018 21:30

Tgt Ion:	240	Resp:	295186
Ion Ratio	Lower	Upper	
240	100		
120	12.2	9.5	14.3
236	25.8	20.7	31.1





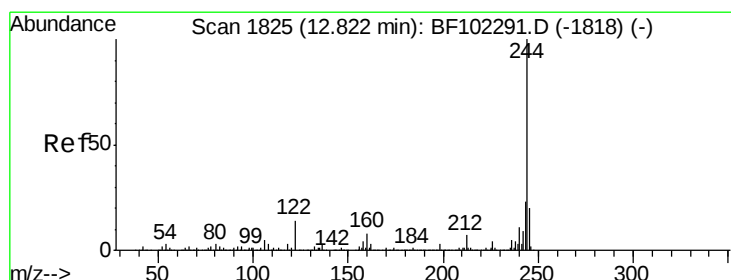
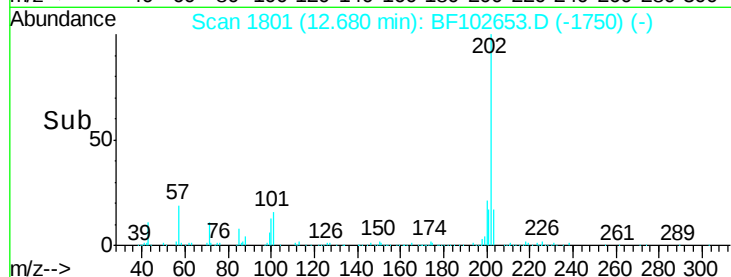
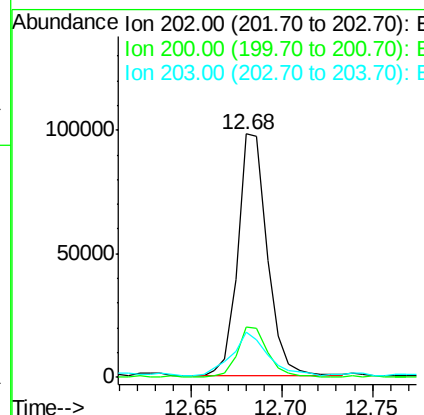
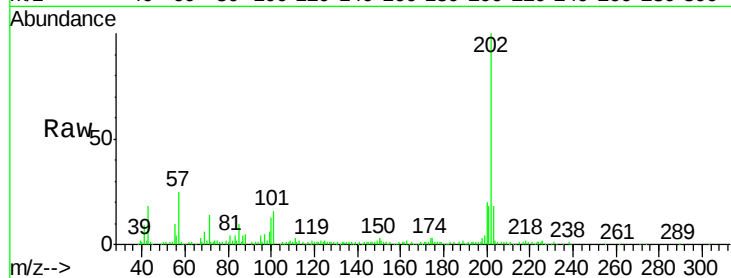
#77
Pvrene
Concen: 4.851 ng
RT: 12.68 min Scan# 1801
Delta R.T. -0.00 min
Lab File: BF102653.D
Acq: 30 Jan 2018 21:30

Instrument :
BNA_F
ClientSampled :
EO-03-012918-B

Tot Ion	Ratio	Resp Lower	Upper
202	100		
200	20.5	17.4	26.2
203	18.4	14.3	21.5

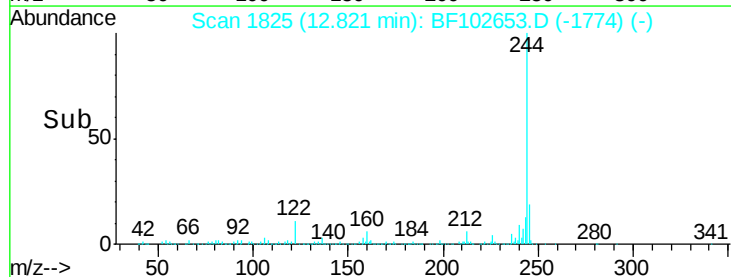
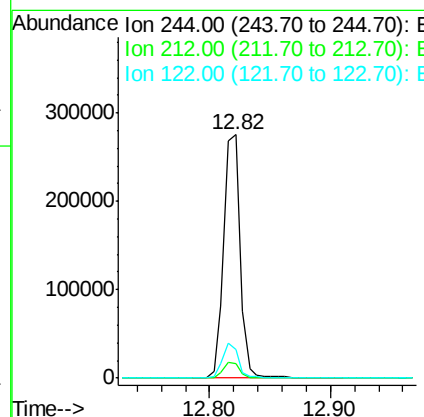
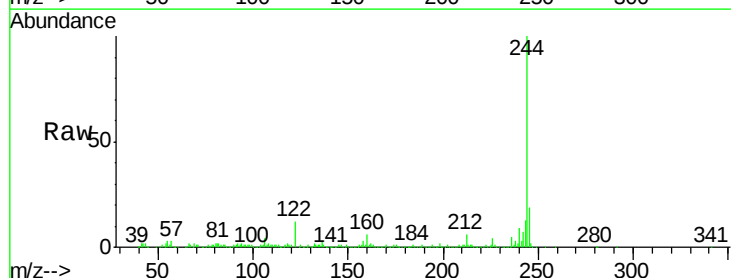
Manual Integrations
APPROVED

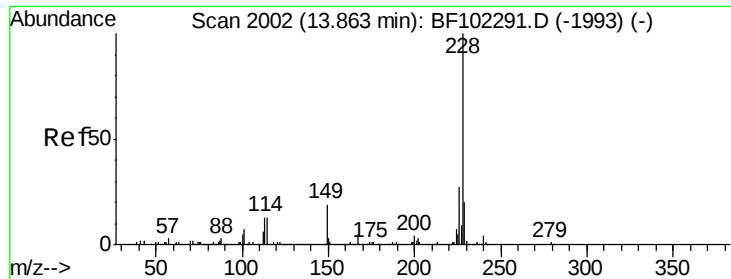
Sohil
1/31/2018 2:00:27 PM



#78
Terphenyl-d14
Concen: 19.832 ng
RT: 12.82 min Scan# 1825
Delta R.T. -0.00 min
Lab File: BF102653.D
Acq: 30 Jan 2018 21:30

Tgt Ion	Ratio	Resp Lower	Upper
244	100		
212	6.2	5.4	8.0
122	11.6	11.0	16.4





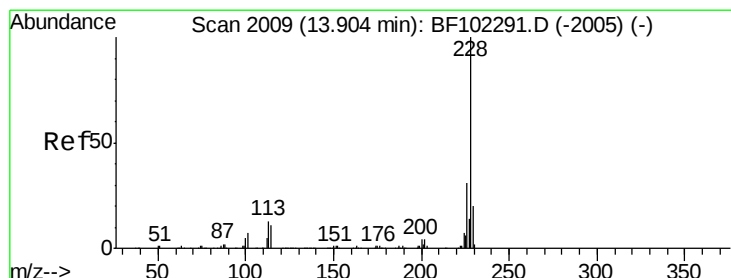
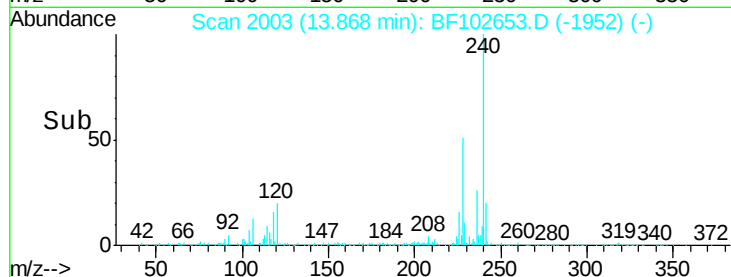
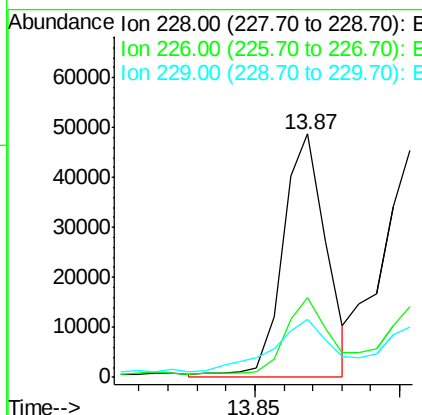
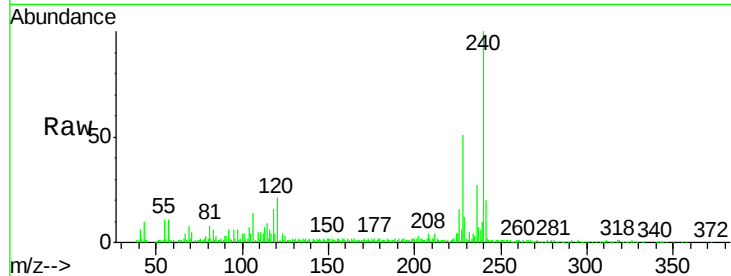
#80
Benzo(a)anthracene
Concen: 2.788 ng m
RT: 13.87 min Scan# 2003
Delta R.T. -0.00 min
Lab File: BF102653.D
Acq: 30 Jan 2018 21:30

Instrument :
BNA_F
ClientSampleId :
EO-03-012918-B

Tot Ion	Ratio	Lower	Upper
228	100		
226	32.6	22.6	33.8
229	23.7	15.8	23.6

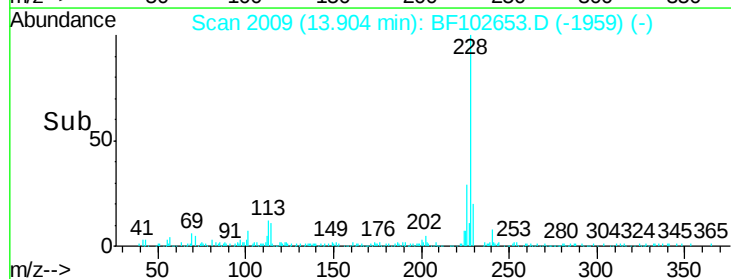
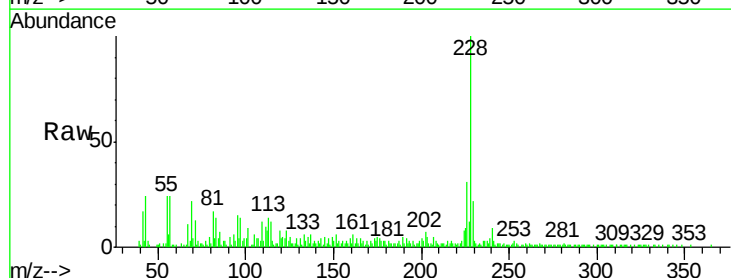
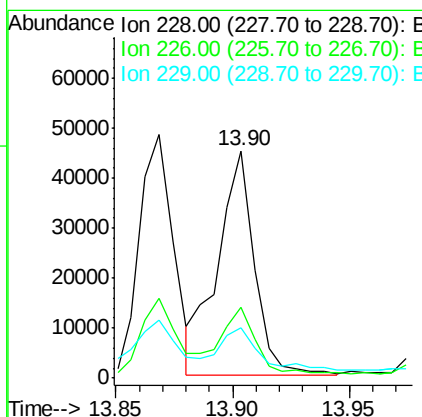
Manual Integrations
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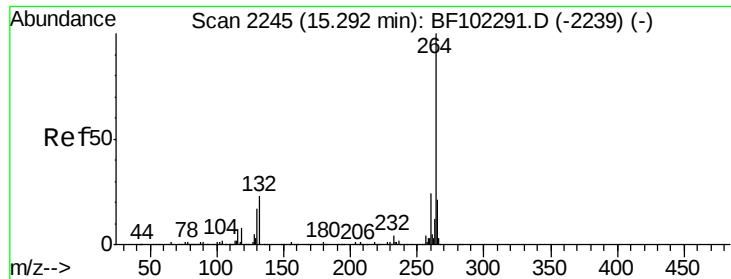
Sohil
1/31/2018 2:00:27 PM



#82
Chrysene
Concen: 2.670 ng m
RT: 13.90 min Scan# 2009
Delta R.T. -0.01 min
Lab File: BF102653.D
Acq: 30 Jan 2018 21:30

Tgt Ion	Ratio	Lower	Upper
228	100		
226	30.9	25.0	37.6
229	22.2	16.2	24.4





#86

Pervlene-d12

Concen: 20.000 ng

RT: 15.31 min Scan# 2248

Delta R.T. 0.01 min

Lab File: BF102653.D

Acq: 30 Jan 2018 21:30

Instrument :

BNA_F

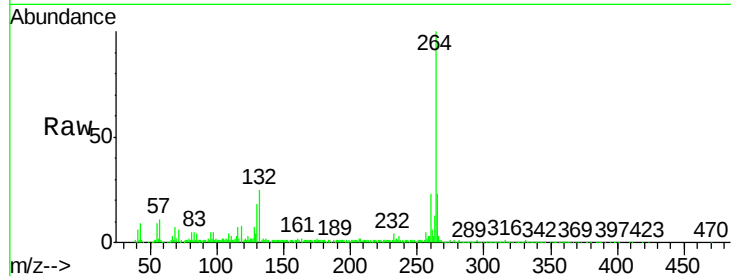
ClientSampleId :

EO-03-012918-B

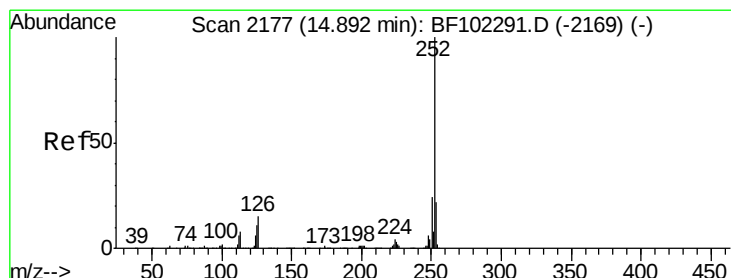
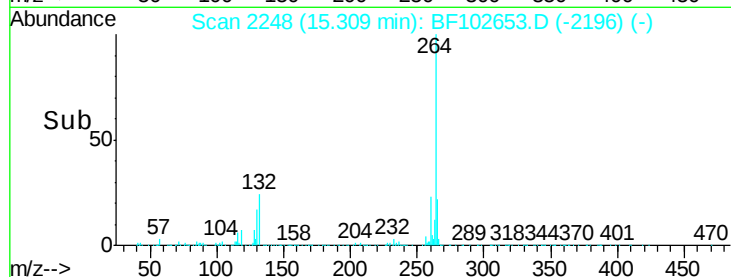
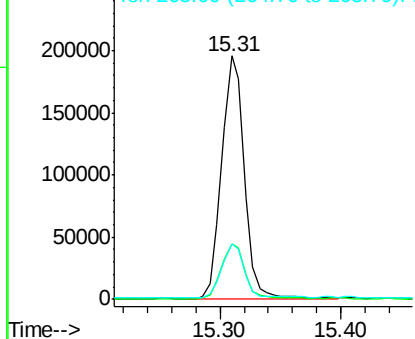
Tot Ion:	264	Resp:	252859
Ion Ratio	Lower	Upper	
264	100		
260	23.0	19.2	28.8
265	22.8	17.5	26.3

Manual Integrations
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Sohil
1/31/2018 2:00:27 PM



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



#87

Benzo(b)fluoranthene

Concen: 3.940 ng m

RT: 14.90 min Scan# 2178

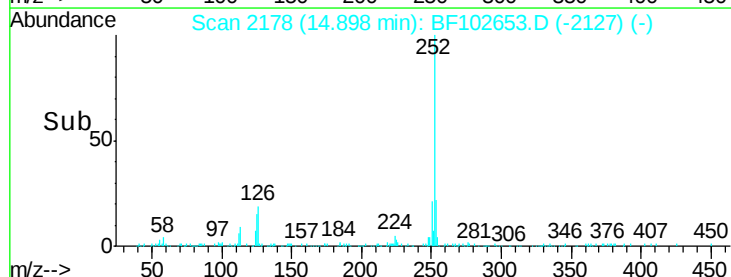
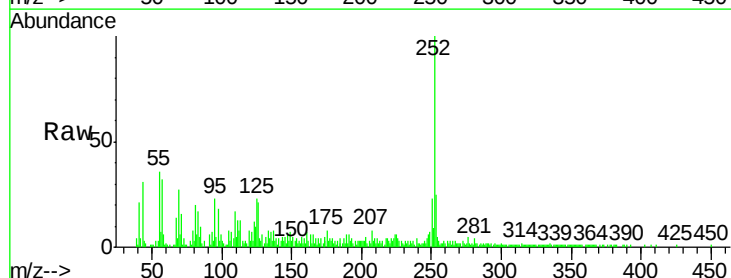
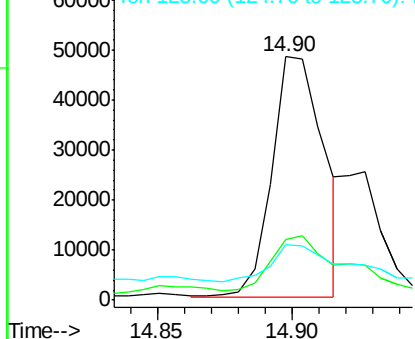
Delta R.T. -0.00 min

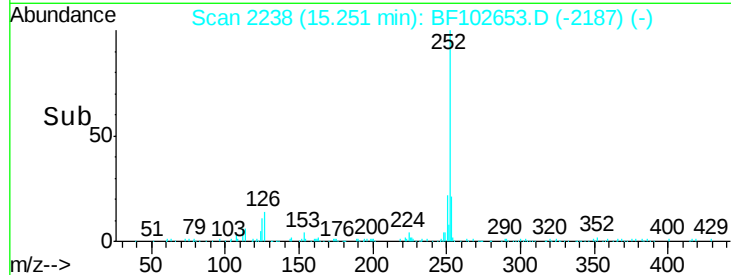
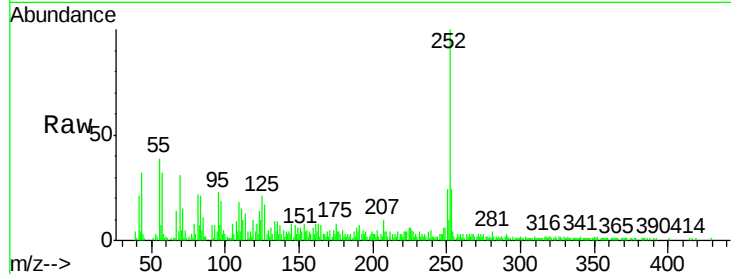
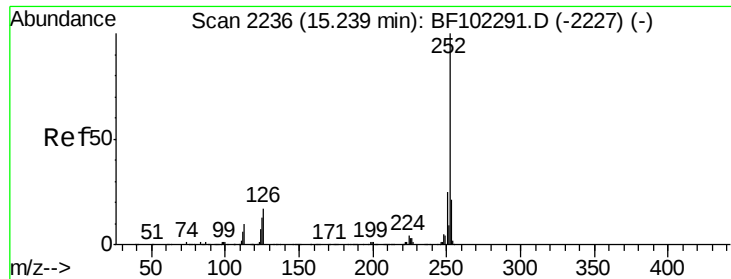
Lab File: BF102653.D

Acq: 30 Jan 2018 21:30

Tgt Ion:	252	Resp:	64568
Ion Ratio	Lower	Upper	
252	100		
253	24.9	17.0	25.6
125	22.6	9.0	13.6#

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





#89

Benzo(a)pyrene

Concen: 3.350 ng

RT: 15.25 min Scan# 2238

Delta R.T. -0.00 min

Lab File: BF102653.D

Acq: 30 Jan 2018 21:30

Instrument :

BNA_F

ClientSampleId :

EO-03-012918-B

Tot Ion	Ion	Ratio	Resp	Lower	Upper
252	100		49524		
253	23.9	17.1	25.7		
125	21.4	9.8	14.6		

Manual Integrations
APPROVED

Sohil
1/31/2018 2:00:27 PM

