

Data Path : Z:\HPCHEM1\BNA F\DATA\BF120617\
 Data File : BF101173.D
 Acq On : 6 Dec 2017 17:45
 Operator : SJ/JU
 Sample : I6683-05 10X
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 EO-01-120517-C

Manual Integrations
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 12/7/2017 11:35:53 AM

Quant Time: Dec 07 00:14:58 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF113017.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Dec 04 13:07:49 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.85	152	43314	20.00	ng	0.00
21) Naphthalene-d8	8.13	136	166188	20.00	ng	0.00
38) Acenaphthene-d10	9.89	164	76048	20.00	ng	0.00
63) Phenanthrene-d10	11.37	188	124812	20.00	ng	0.00
75) Chrysene-d12	14.02	240	94939	20.00	ng	0.00
86) Perylene-d12	15.50	264	95449	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.46	112	29875	11.40	ng	0.00
7) Phenol-d6	6.47	99	35522	11.16	ng	0.00
23) Nitrobenzene-d5	7.41	82	21598	7.75	ng	0.00
41) 2,4,6-Tribromophenol	10.67	330	8667	9.49	ng	0.00
44) 2-Fluorobiphenyl	9.20	172	51896	9.34	ng	-0.01
78) Terphenyl-d14	12.96	244	35632	8.21	ng	0.00
Target Compounds						
57) Fluorene	10.43	166	14834	2.601	ng	Qvalue # 98
70) Phenanthrene	11.40	178	117217	17.054	ng	97
71) Anthracene	11.45	178	27877	4.007	ng	99
74) Fluoranthene	12.59	202	128352	16.846	ng	95
77) Pyrene	12.83	202	128499	19.615	ng	98
80) Benzo(a)anthracene	14.01	228	66804	11.145	ng	100
82) Chrysene	14.04	228	57285	10.290	ng	94
85) Indeno(1,2,3-cd)pyrene	16.99	276	23671	4.783	ng	# 89
87) Benzo(b)fluoranthene	15.07	252	68485m	11.979	ng	
88) Benzo(k)fluoranthene	15.09	252	18442m	3.274	ng	
89) Benzo(a)pyrene	15.43	252	49476	9.519	ng	96
91) Benzo(a,h,i)perylene	17.44	276	23490	5.440	ng	95

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

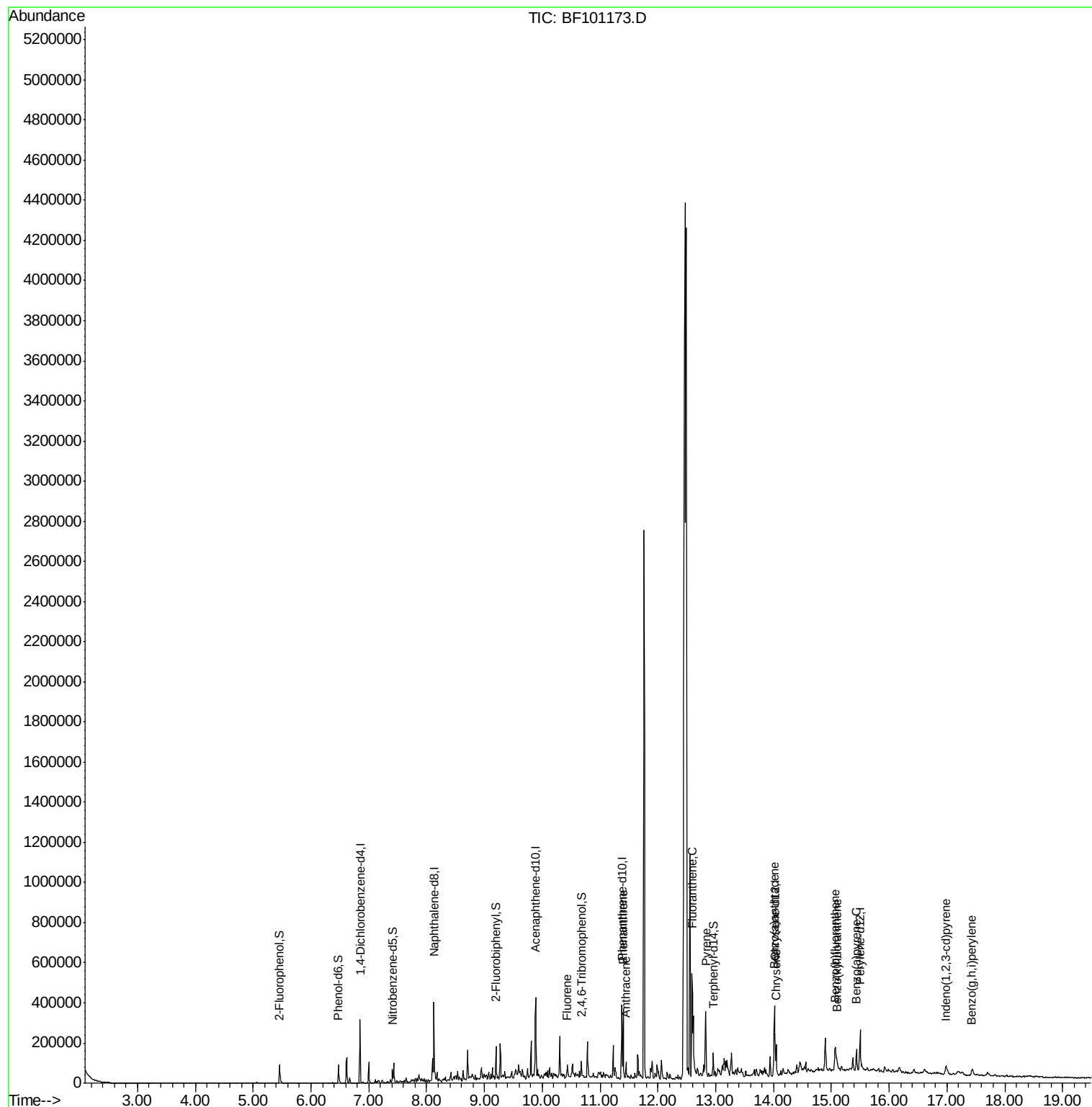
Data Path : Z:\HPCHEM1\BNA F\DATA\BF120617\
Data File : BF101173.D
Acq On : 6 Dec 2017 17:45
Operator : SJ/JU
Sample : I6683-05 10X
Misc :
ALS Vial : 15 Sample Multiplier: 1

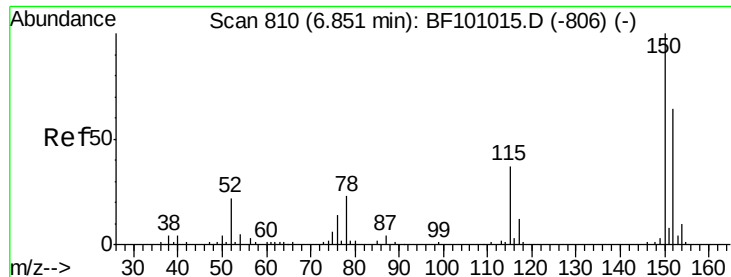
Instrument :
BNA_F
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EO-01-120517-C

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Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF113017.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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Response via : Initial Calibration





#1

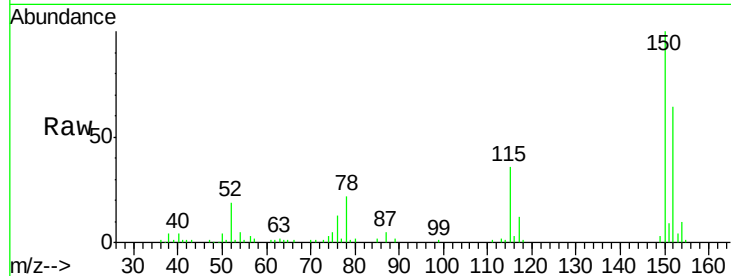
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.85 min Scan# 809
Delta R.T. 0.00 min
Lab File: BF101173.D
Acq: 6 Dec 2017 17:45

Instrument :
BNA_F
ClientSampleId :
EO-01-120517-C

Tot Ion	Ratio	Lower	Upper
152	100		
150	157.4	124.6	186.8
115	57.3	50.1	75.1

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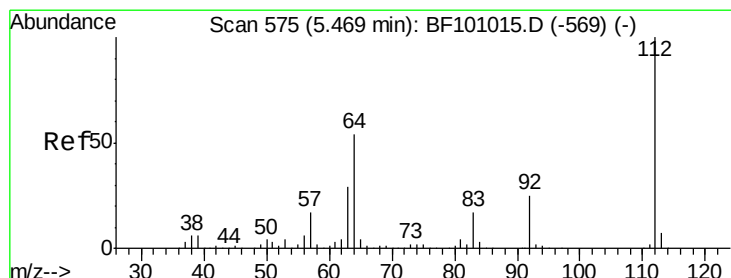
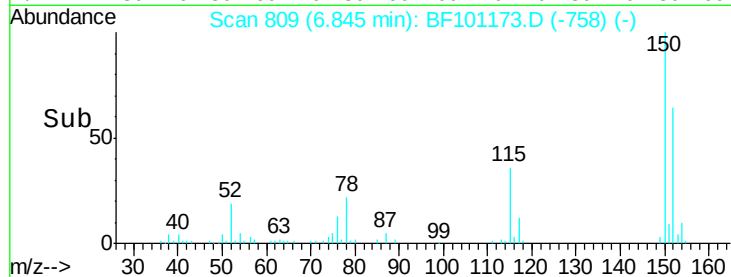
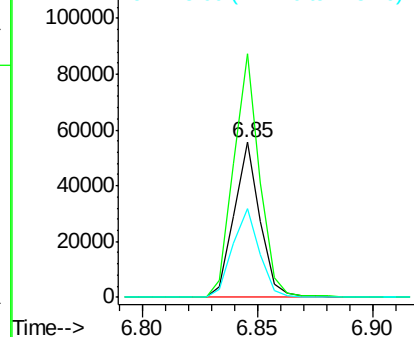


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

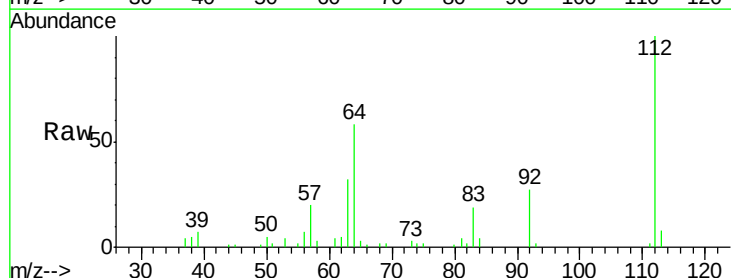
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 11.397 ng
RT: 5.46 min Scan# 573
Delta R.T. -0.01 min
Lab File: BF101173.D
Acq: 6 Dec 2017 17:45

Tgt Ion	Ratio	Lower	Upper
112	100		
64	57.7	47.9	71.9
63	32.1	23.7	35.5

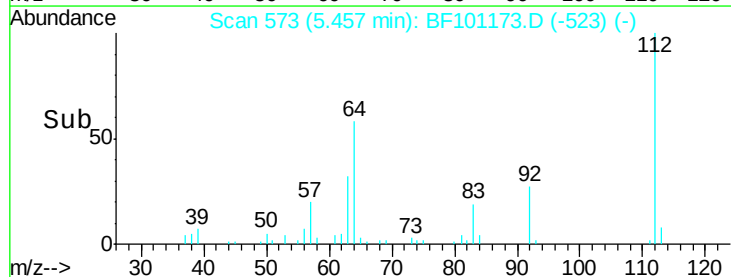
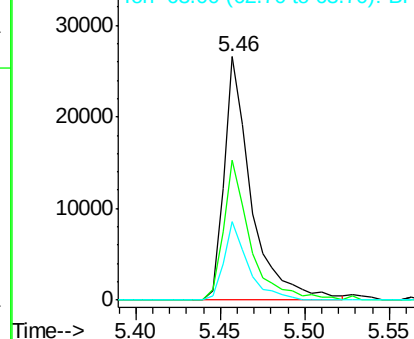


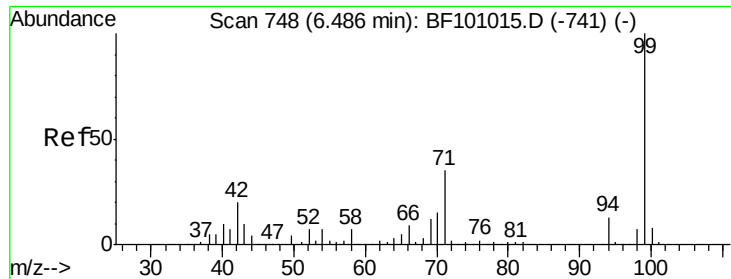
Abundance

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: 11.162 ng

RT: 6.47 min Scan# 746

Delta R.T. -0.01 min

Lab File: BF101173.D

Acq: 6 Dec 2017 17:45

Instrument :

BNA_F

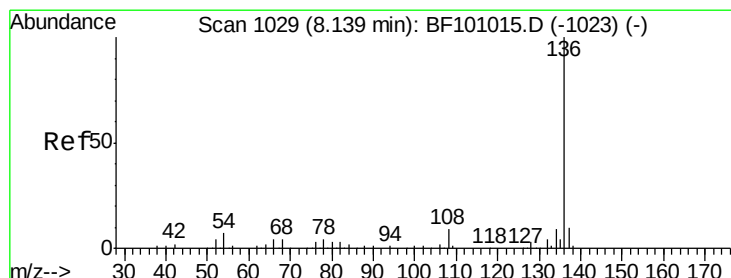
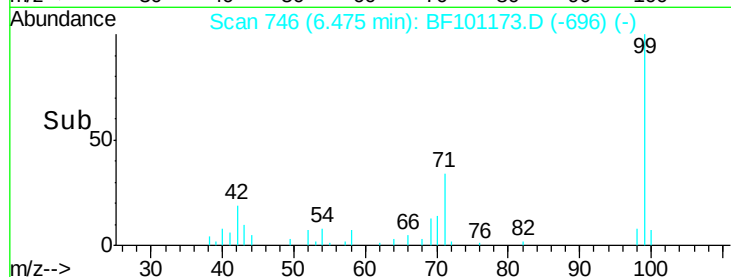
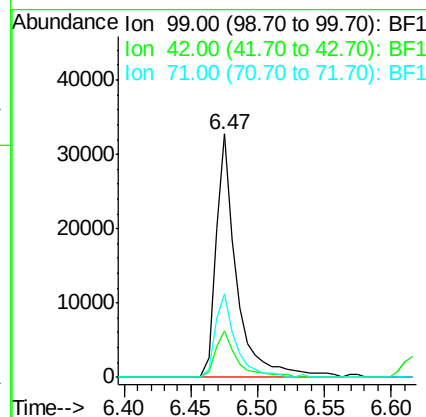
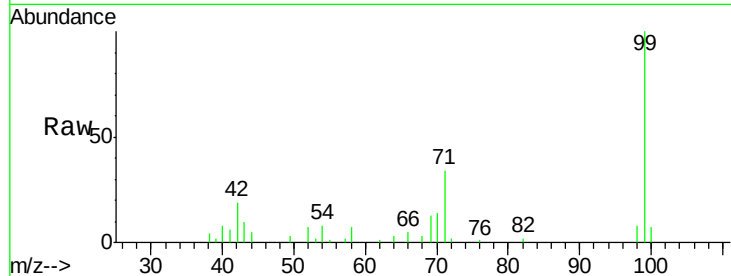
ClientSampleId :

EO-01-120517-C

Tot Ion:	99	Resp:	35522
Ion Ratio	Lower	Upper	
99	100		
42	19.2	14.5	21.7
71	34.2	25.4	38.0

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#21

Naphthalene-d8

Concen: 20.000 ng

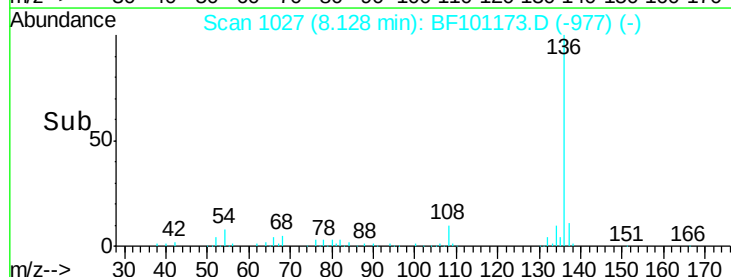
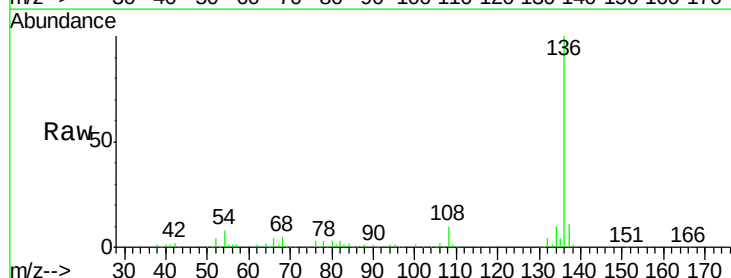
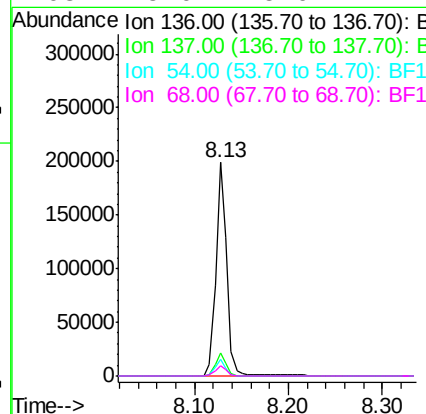
RT: 8.13 min Scan# 1027

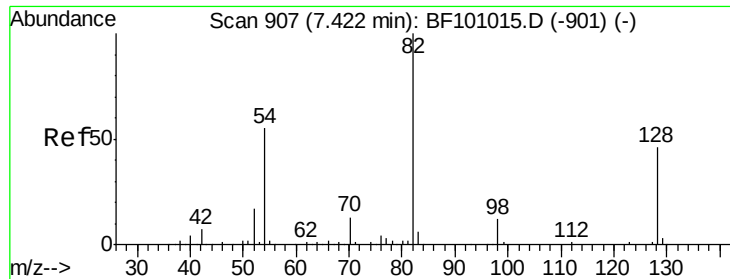
Delta R.T. -0.01 min

Lab File: BF101173.D

Acq: 6 Dec 2017 17:45

Tgt Ion:	136	Resp:	166188
Ion Ratio	Lower	Upper	
136	100		
137	10.8	8.9	13.3
54	7.7	6.6	9.8
68	5.0	5.0	7.4





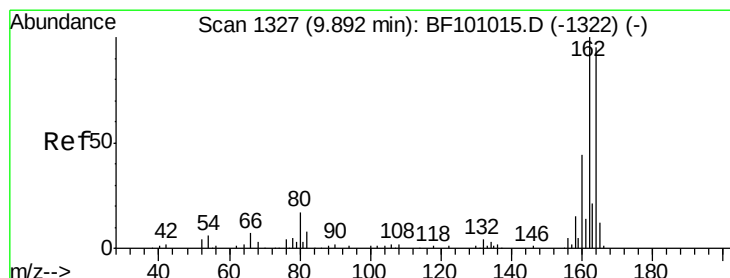
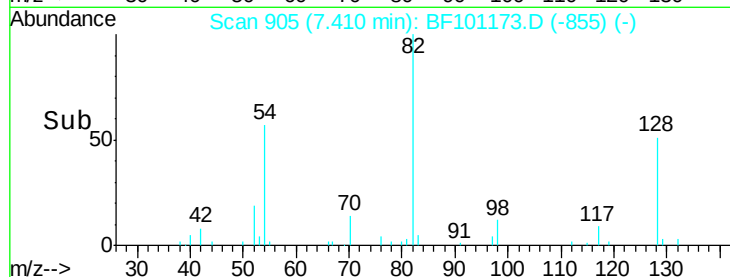
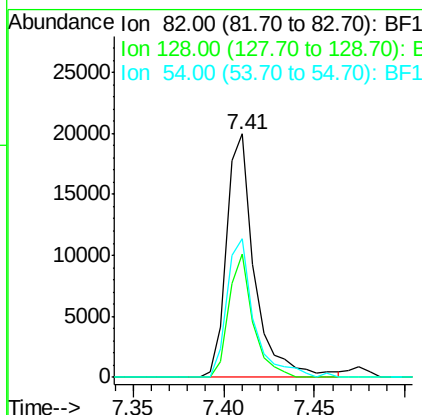
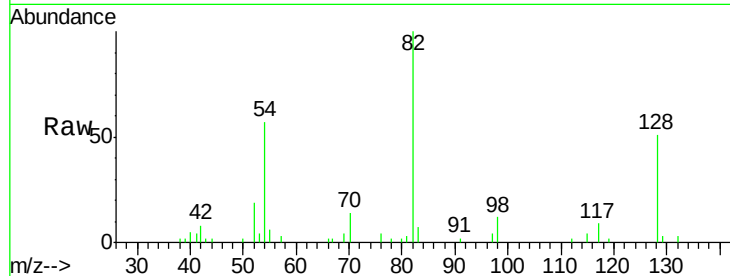
#23
Nitrobenzene-d5
Concen: 7.753 ng
RT: 7.41 min Scan# 905
Delta R.T. -0.01 min
Lab File: BF101173.D
Acq: 6 Dec 2017 17:45

Instrument :
BNA_F
ClientSampleId :
EO-01-120517-C

Tot Ion	82	Resp	21598
Ion Ratio	Lower	Upper	
82	100		
128	50.8	36.1	54.1
54	56.9	41.4	62.2

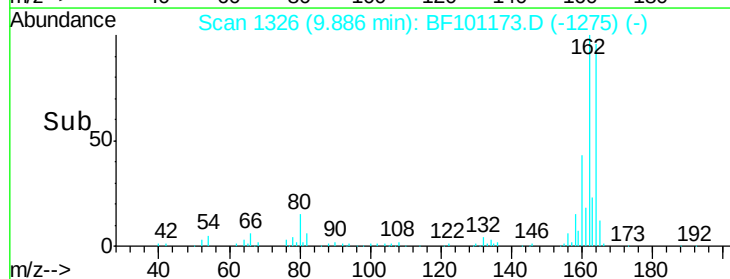
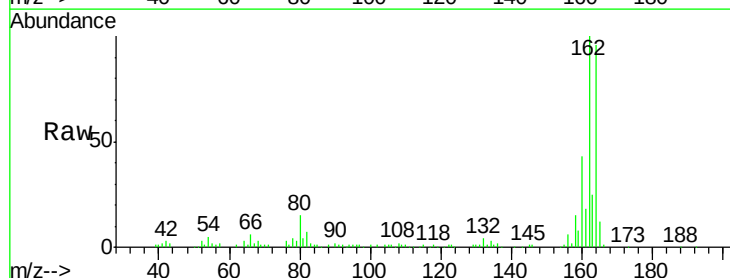
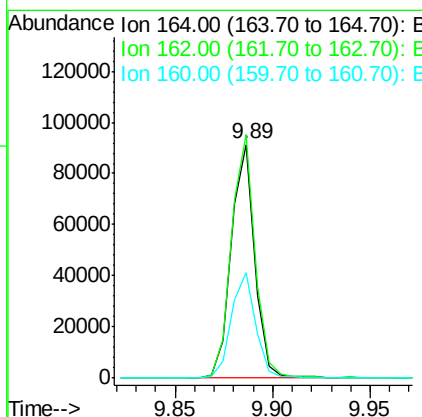
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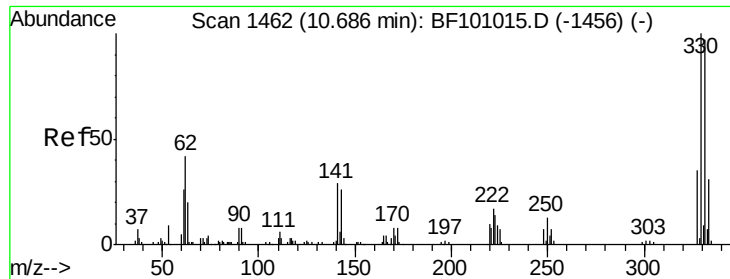
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#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.89 min Scan# 1326
Delta R.T. 0.00 min
Lab File: BF101173.D
Acq: 6 Dec 2017 17:45

Tgt Ion	164	Resp	76048
Ion Ratio	Lower	Upper	
164	100		
162	104.2	86.1	129.1
160	45.2	38.3	57.5





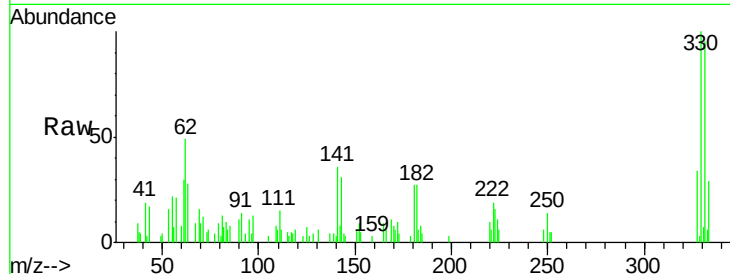
#41
2,4,6-Tribromophenol
Concen: 9.487 ng
RT: 10.67 min Scan# 1460
Delta R.T. -0.01 min
Lab File: BF101173.D
Acq: 6 Dec 2017 17:45

Instrument :
BNA_F
ClientSampleId :
EO-01-120517-C

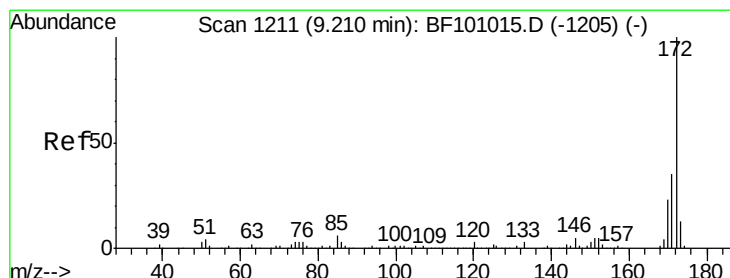
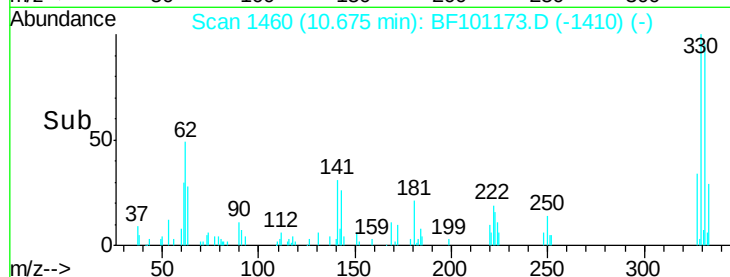
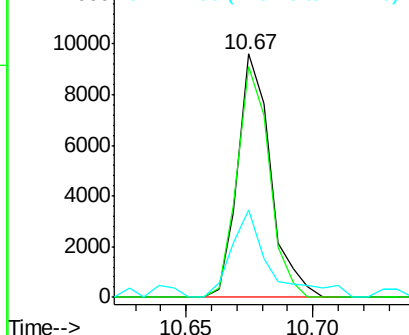
Tot Ion	Ratio	Lower	Upper
330	100		
332	93.1	77.0	115.6
141	41.3	29.9	44.9

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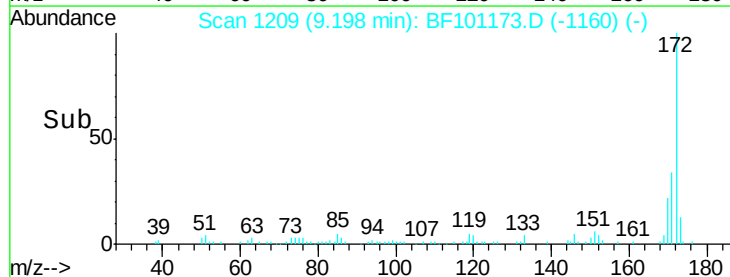
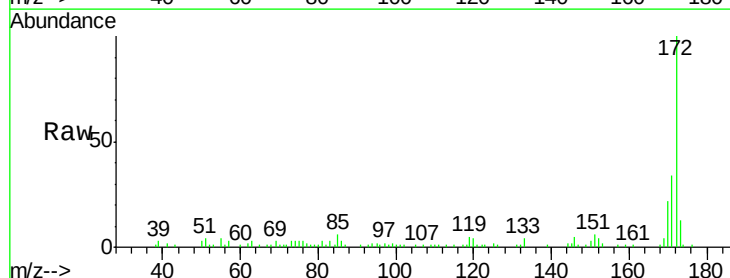
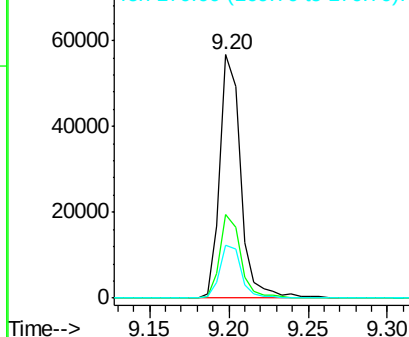
Abundance Ion 329.80 (329.50 to 330.50): E
Ion 331.80 (331.50 to 332.50): E
Ion 141.00 (140.70 to 141.70): E

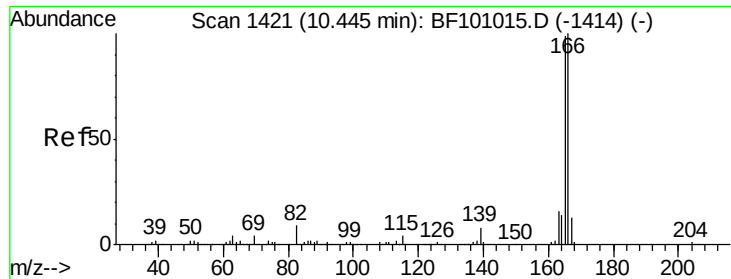


#44
2-Fluorobiphenyl
Concen: 9.337 ng
RT: 9.20 min Scan# 1209
Delta R.T. -0.01 min
Lab File: BF101173.D
Acq: 6 Dec 2017 17:45

Tgt Ion	Ratio	Lower	Upper
172	100		
171	34.4	29.7	44.5
170	22.0	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





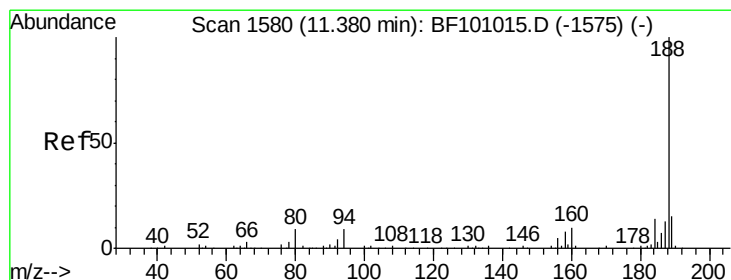
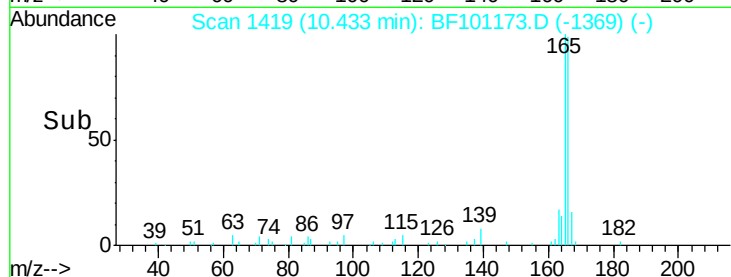
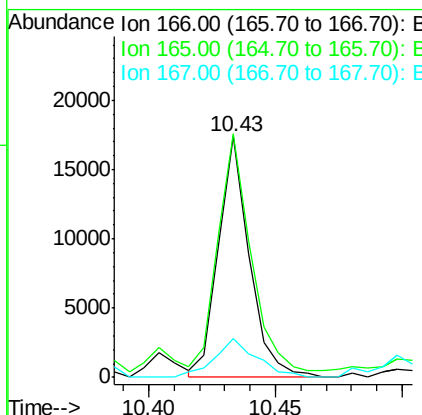
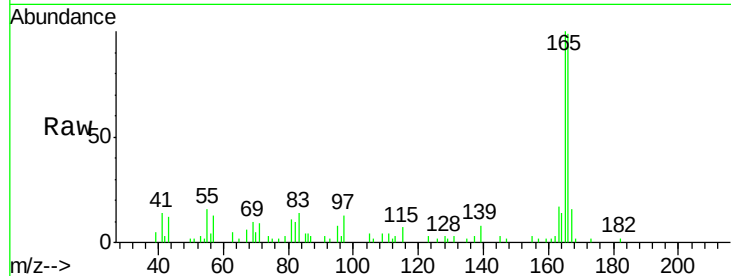
#57
 Fluorene
 Concen: 2.601 ng
 RT: 10.43 min Scan# 1419
 Delta R.T. -0.01 min
 Lab File: BF101173.D
 Acq: 6 Dec 2017 17:45

Instrument :
 BNA_F
 ClientSampleId :
 EO-01-120517-C

Tot Ion	Ion	Ratio	Resp	Lower	Upper
166	100				
165	101.1	79.8	119.8		
167	16.0	10.6	16.0#		

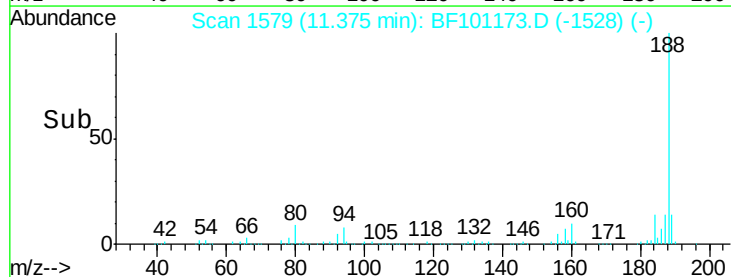
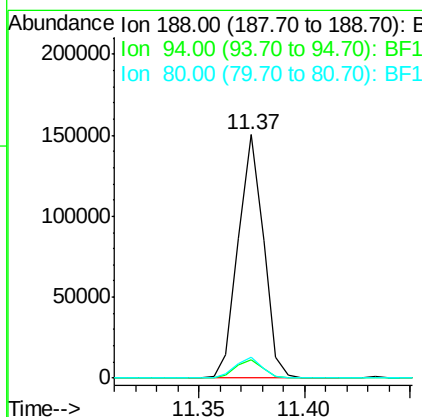
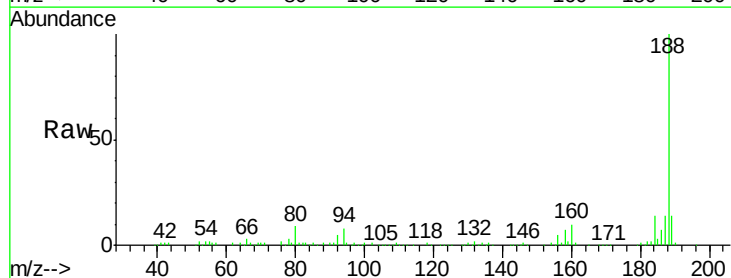
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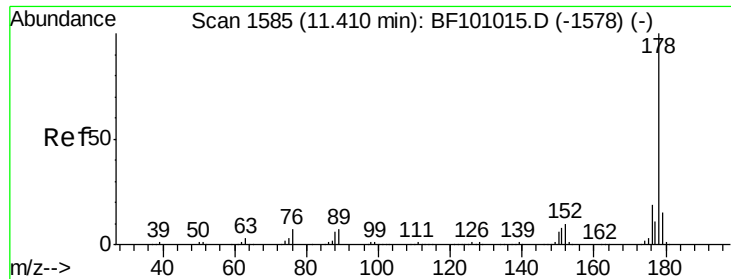
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#63
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.37 min Scan# 1579
 Delta R.T. 0.00 min
 Lab File: BF101173.D
 Acq: 6 Dec 2017 17:45

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
188	100				
94	7.7	8.5	12.7#		
80	8.6	9.2	13.8#		





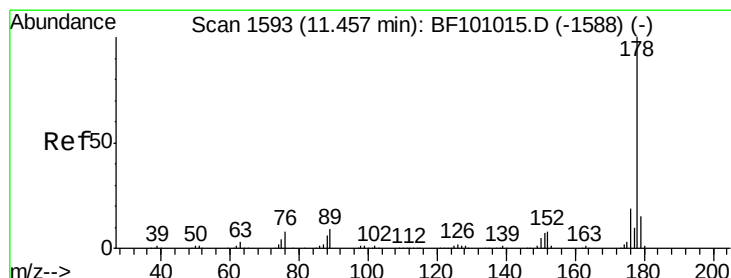
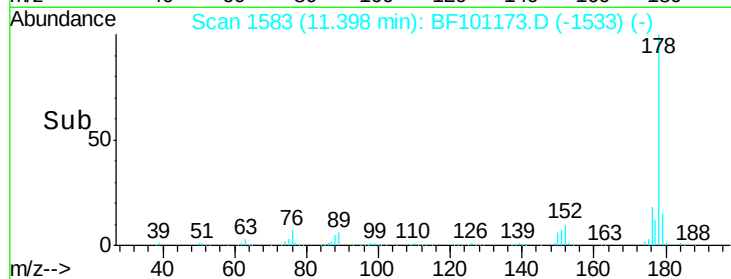
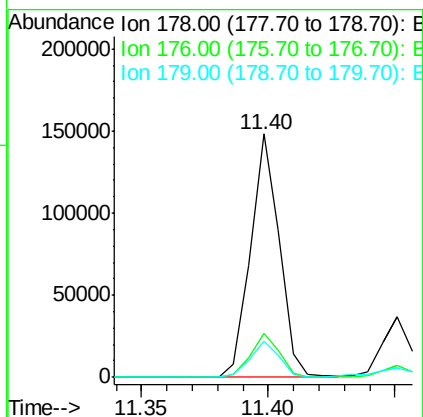
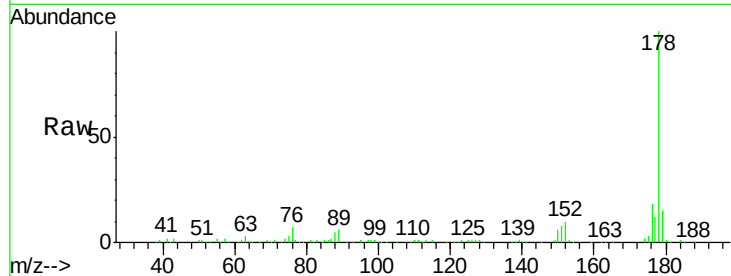
#70
Phenanthrene
Concen: 17.054 ng
RT: 11.40 min Scan# 1583
Delta R.T. -0.01 min
Lab File: BF101173.D
Acq: 6 Dec 2017 17:45

Instrument :
BNA_F
ClientSampleId :
EO-01-120517-C

Tot Ion	Ratio	Lower	Upper
178	100		
176	18.2	15.8	23.8
179	15.1	13.0	19.6

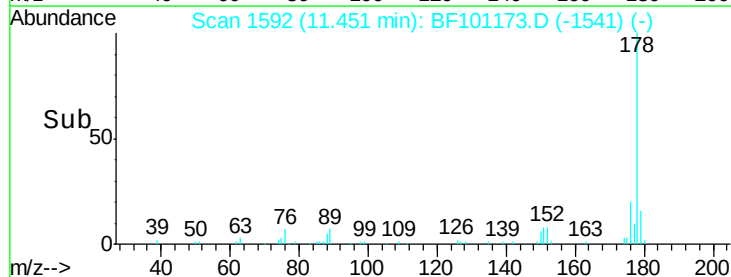
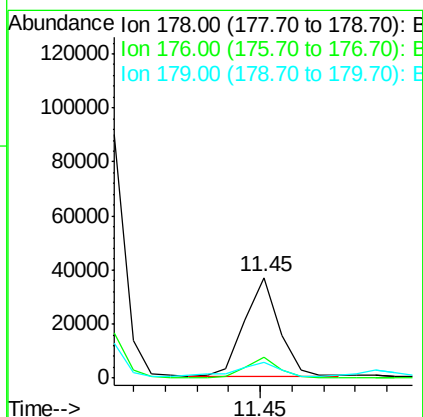
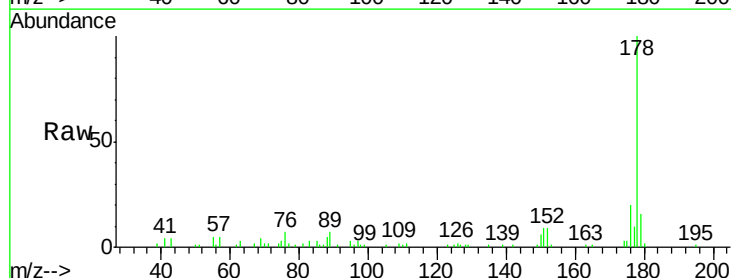
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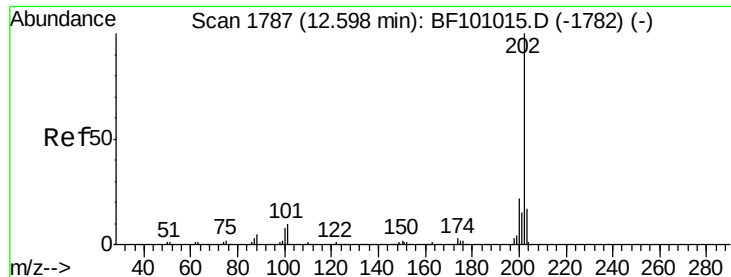
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#71
Anthracene
Concen: 4.007 ng
RT: 11.45 min Scan# 1592
Delta R.T. 0.00 min
Lab File: BF101173.D
Acq: 6 Dec 2017 17:45

Tgt Ion	Ratio	Lower	Upper
178	100		
176	20.4	15.4	23.2
179	15.7	12.6	19.0





#74

Fluoranthene

Concen: 16.846 ng

RT: 12.59 min Scan# 1786

Delta R.T. 0.00 min

Lab File: BF101173.D

Acq: 6 Dec 2017 17:45

Instrument :

BNA_F

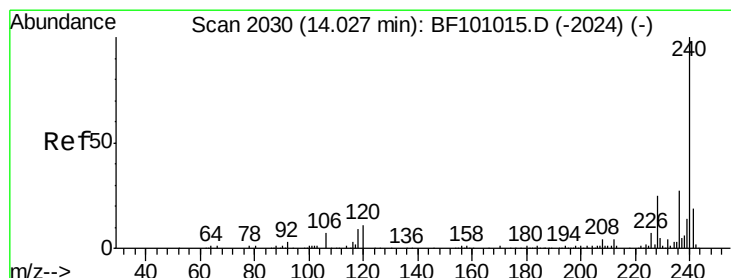
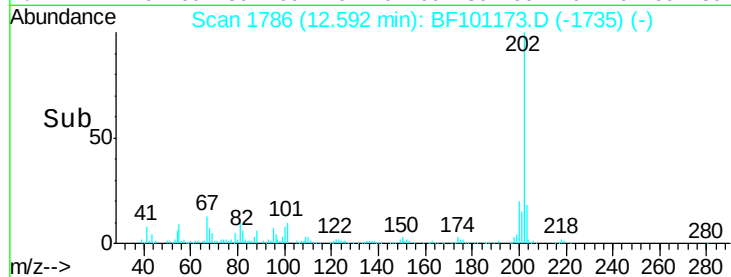
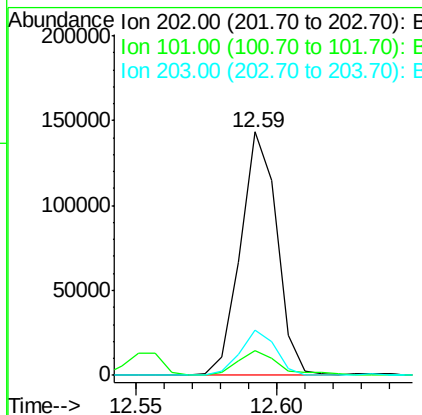
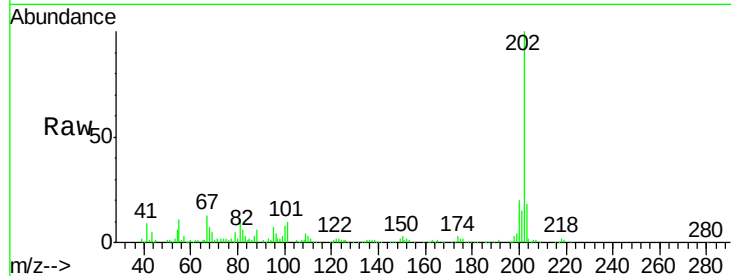
ClientSampleId :

EO-01-120517-C

Tot Ion:	202	Resp:	128352
Ion Ratio	Lower	Upper	
202	100		
101	10.3	0.0	34.1
203	18.5	0.0	38.1

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#75

Chrysene-d12

Concen: 20.000 ng

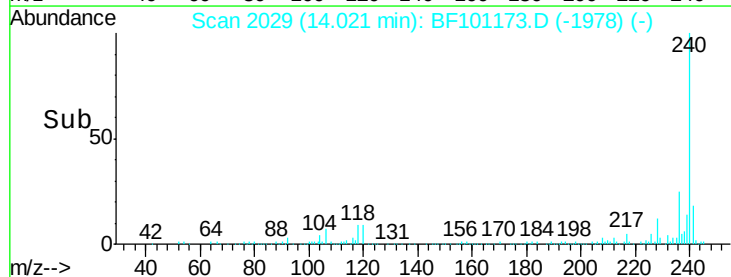
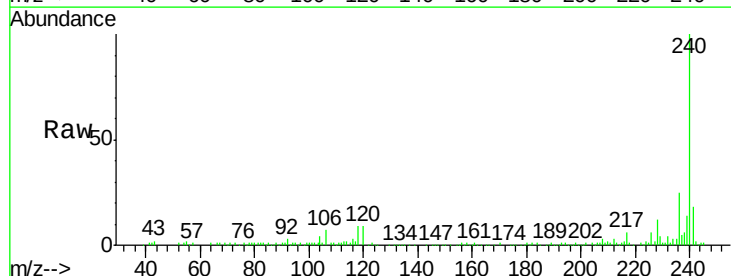
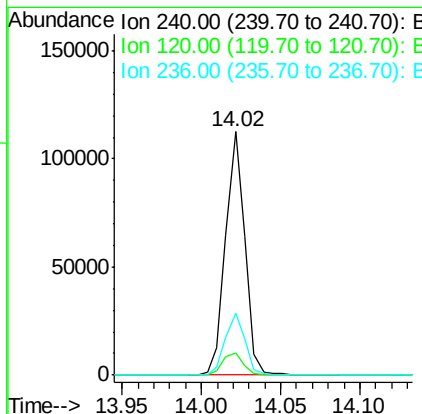
RT: 14.02 min Scan# 2029

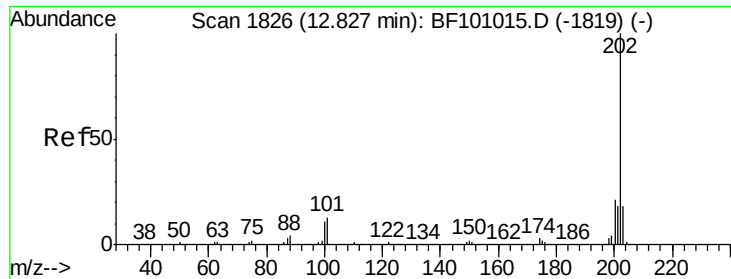
Delta R.T. 0.00 min

Lab File: BF101173.D

Acq: 6 Dec 2017 17:45

Tgt Ion:	240	Resp:	94939
Ion Ratio	Lower	Upper	
240	100		
120	9.0	9.5	14.3#
236	25.5	20.7	31.1





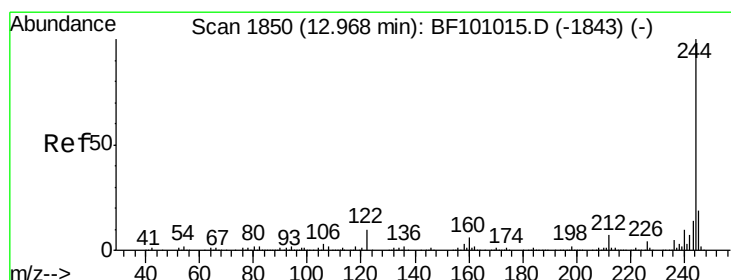
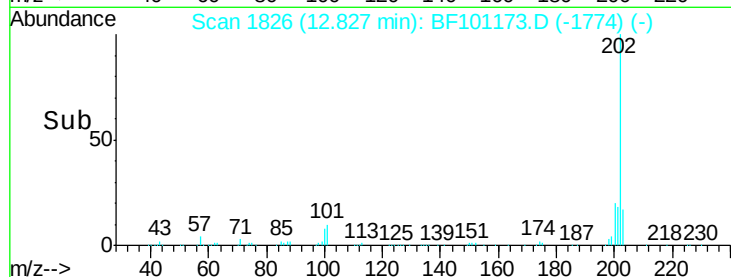
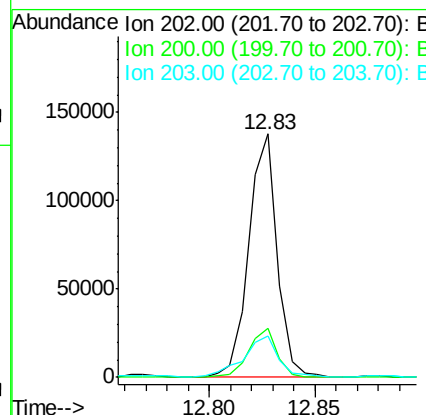
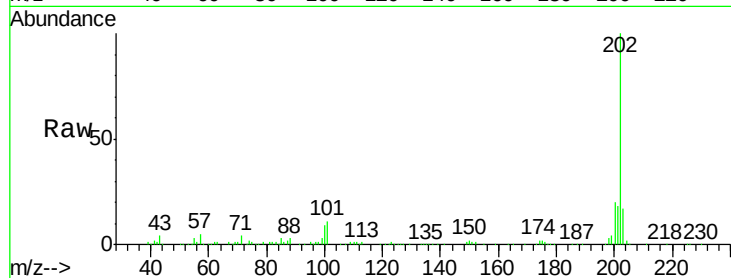
#77
Pvrene
Concen: 19.615 ng
RT: 12.83 min Scan# 1826
Delta R.T. 0.01 min
Lab File: BF101173.D
Acq: 6 Dec 2017 17:45

Instrument :
BNA_F
ClientSampleId :
EO-01-120517-C

Tot Ion	Ratio	Lower	Upper
202	100		
200	20.4	17.4	26.2
203	17.2	14.3	21.5

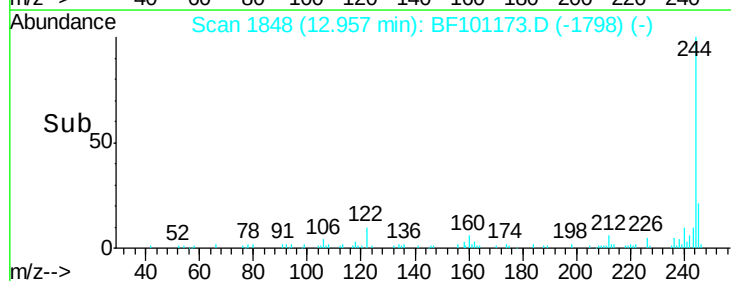
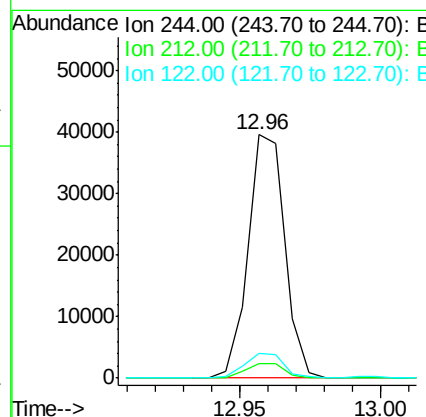
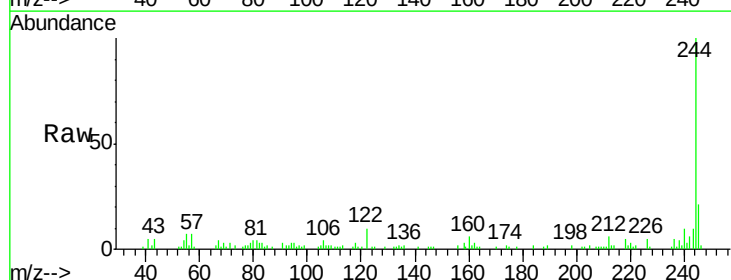
Manual Integrations
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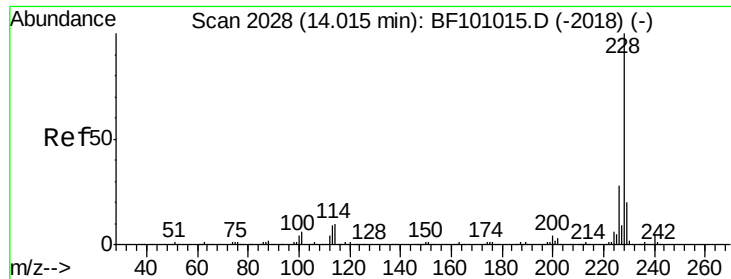
Sohil
12/7/2017 11:35:53 AM



#78
Terphenyl-d14
Concen: 8.209 ng
RT: 12.96 min Scan# 1848
Delta R.T. -0.01 min
Lab File: BF101173.D
Acq: 6 Dec 2017 17:45

Tgt Ion	Ratio	Lower	Upper
244	100		
212	6.0	5.4	8.0
122	10.3	11.0	16.4#





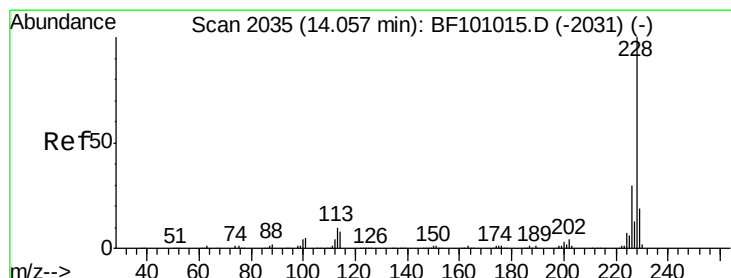
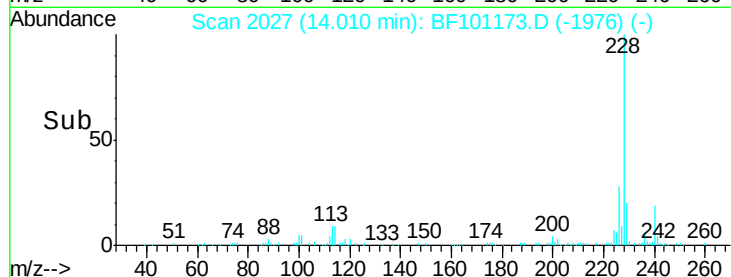
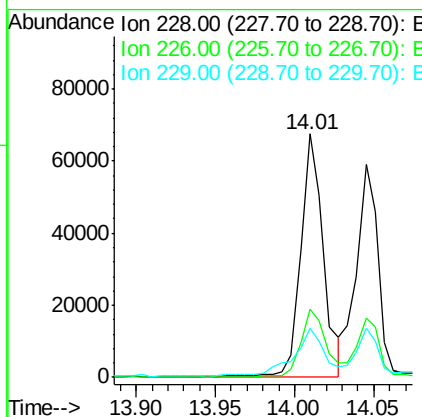
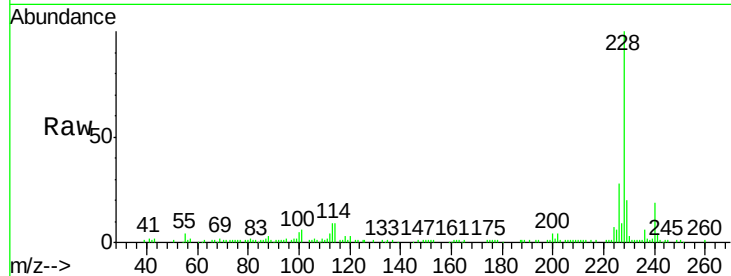
#80
Benzo(a)anthracene
Concen: 11.145 ng
RT: 14.01 min Scan# 2027
Delta R.T. 0.00 min
Lab File: BF101173.D
Acq: 6 Dec 2017 17:45

Instrument :
BNA_F
ClientSampleId :
EO-01-120517-C

Tot Ion	Ratio	Lower	Upper
228	100		
226	28.2	22.6	33.8
229	20.2	15.8	23.6

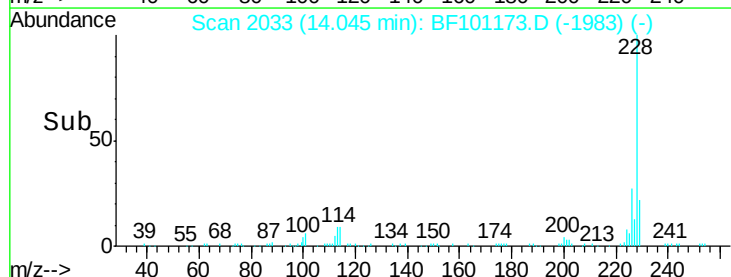
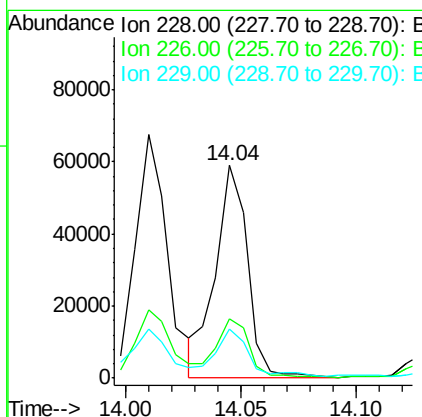
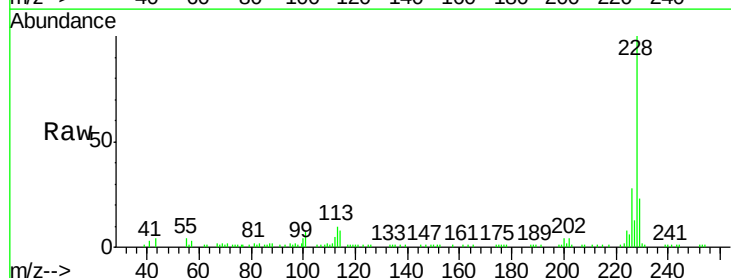
Manual Integrations
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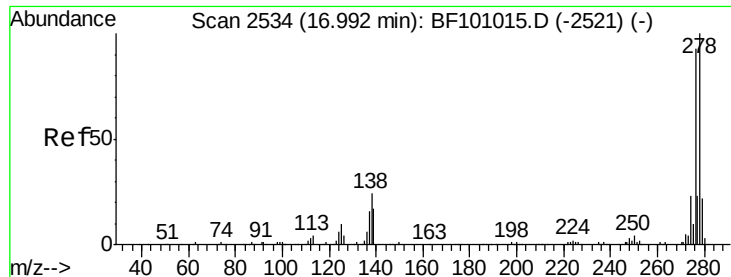
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#82
Chrysene
Concen: 10.290 ng
RT: 14.04 min Scan# 2033
Delta R.T. -0.01 min
Lab File: BF101173.D
Acq: 6 Dec 2017 17:45

Tgt Ion	Ratio	Lower	Upper
228	100		
226	27.8	25.0	37.6
229	22.9	16.2	24.4





#85

Indeno(1,2,3-cd)pyrene

Concen: 4.783 ng

RT: 16.99 min Scan# 2533

Delta R.T. 0.01 min

Lab File: BF101173.D

Acq: 6 Dec 2017 17:45

Instrument :

BNA_F

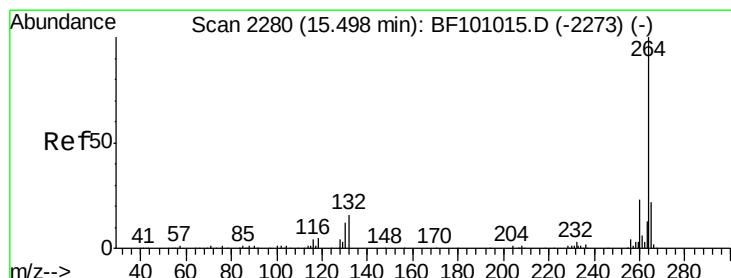
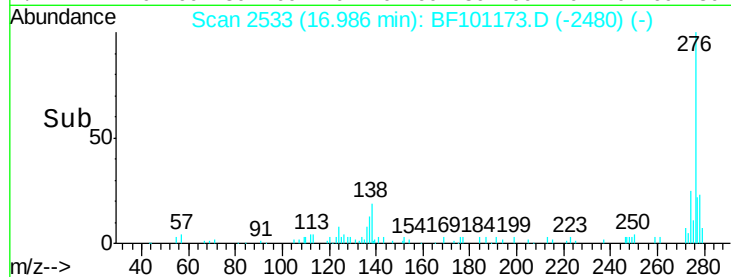
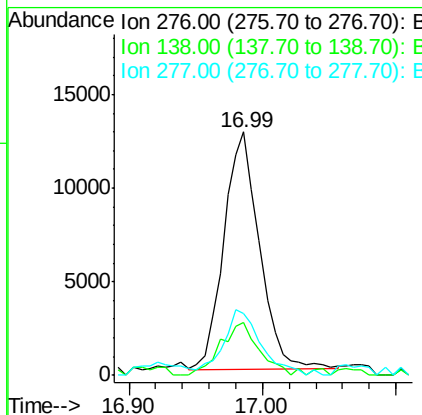
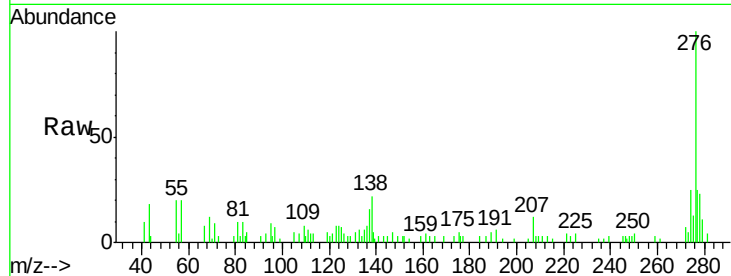
ClientSampleId :

EO-01-120517-C

Tot Ion:	276	Resp:	23671
Ion Ratio	Lower	Upper	
276	100		
138	23.9	25.0	37.6#
277	29.4	20.1	30.1

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#86

Perylene-d12

Concen: 20.000 ng

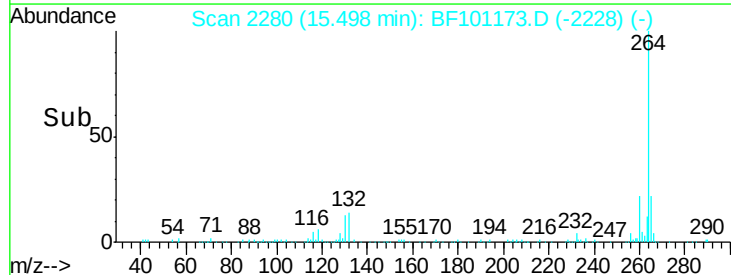
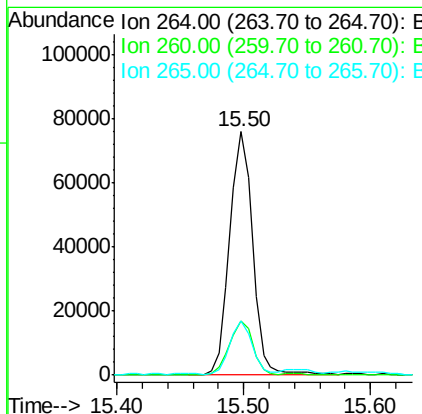
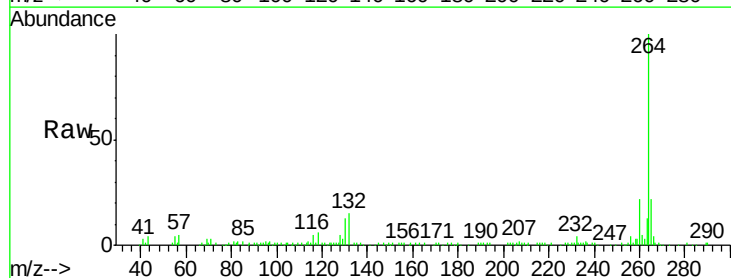
RT: 15.50 min Scan# 2280

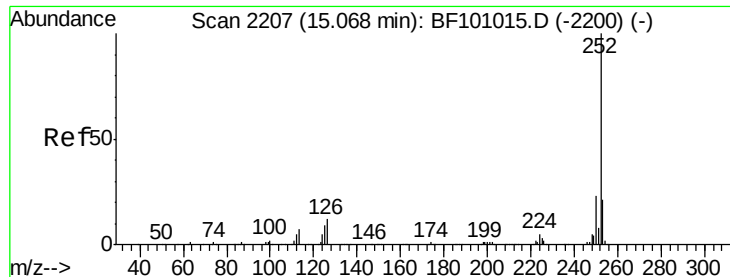
Delta R.T. 0.01 min

Lab File: BF101173.D

Acq: 6 Dec 2017 17:45

Tgt Ion:	264	Resp:	95449
Ion Ratio	Lower	Upper	
264	100		
260	22.3	19.2	28.8
265	22.1	17.5	26.3





#87

Benzo(b)fluoranthene

Concen: 11.979 ng m

RT: 15.07 min Scan# 2207

Delta R.T. 0.01 min

Lab File: BF101173.D

Acq: 6 Dec 2017 17:45

Instrument :

BNA_F

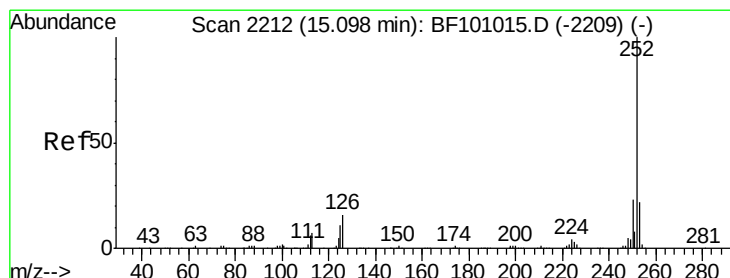
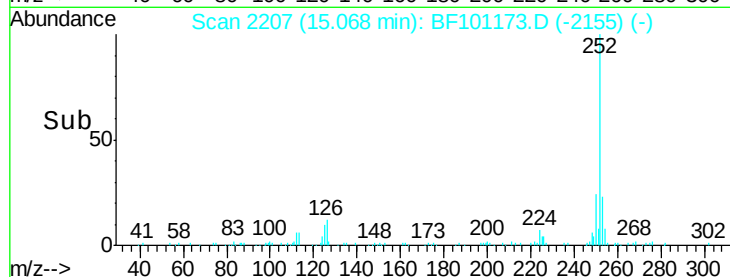
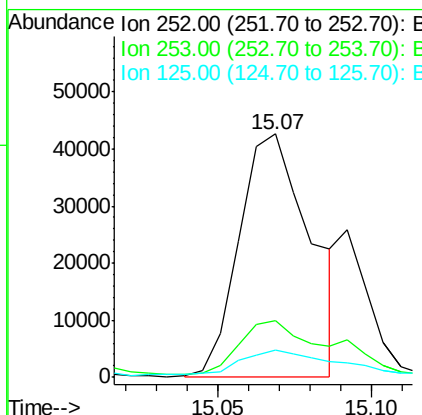
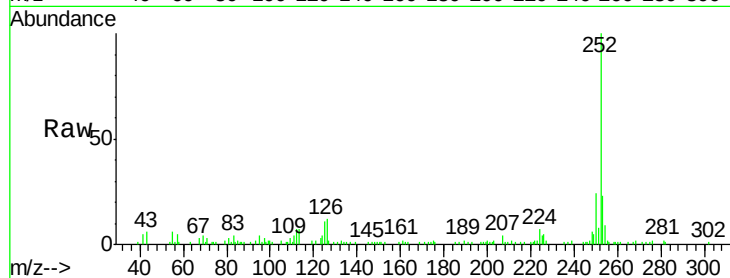
ClientSampleId :

EO-01-120517-C

Tot Ion:	252	Resp:	68485
Ion Ratio	Lower	Upper	
252	100		
253	23.5	17.0	25.6
125	11.5	9.0	13.6

Manual Integrations
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#88

Benzo(k)fluoranthene

Concen: 3.274 ng m

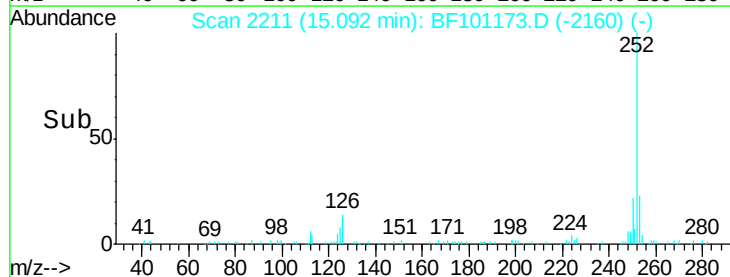
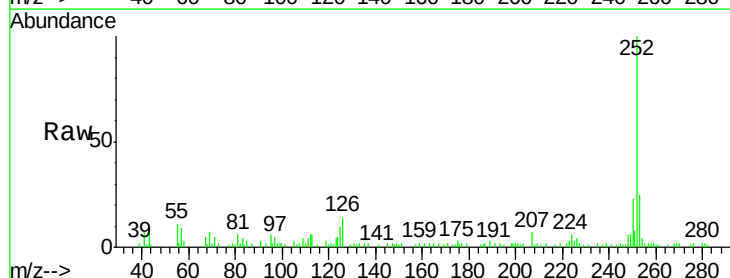
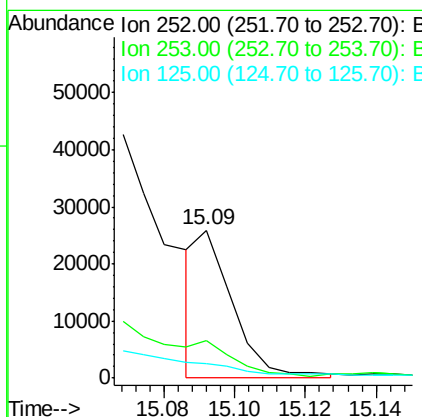
RT: 15.09 min Scan# 2211

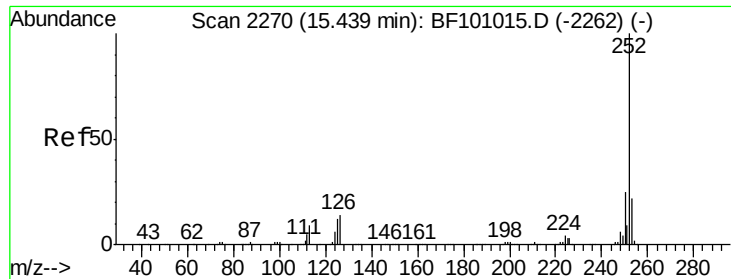
Delta R.T. 0.00 min

Lab File: BF101173.D

Acq: 6 Dec 2017 17:45

Tgt Ion:	252	Resp:	18442
Ion Ratio	Lower	Upper	
252	100		
253	25.1	17.9	26.9
125	9.8	10.2	15.2#





#89

Benzo(a)pyrene

Concen: 9.519 ng

RT: 15.43 min Scan# 2269

Delta R.T. 0.00 min

Lab File: BF101173.D

Acq: 6 Dec 2017 17:45

Instrument :

BNA_F

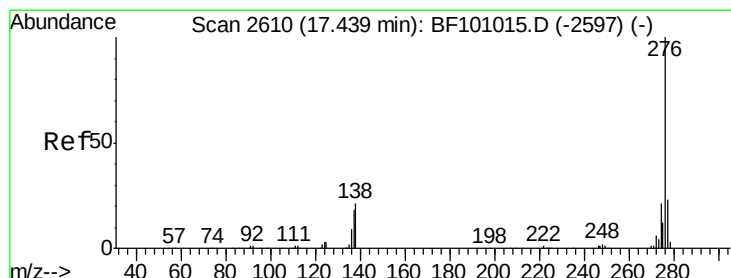
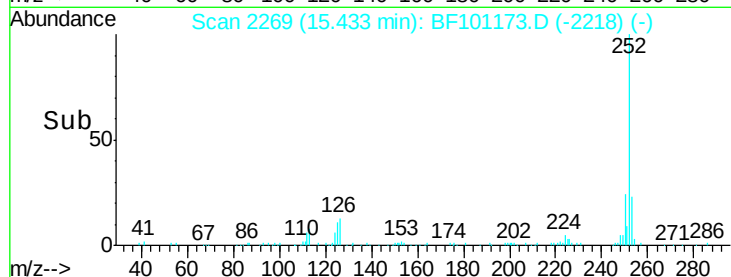
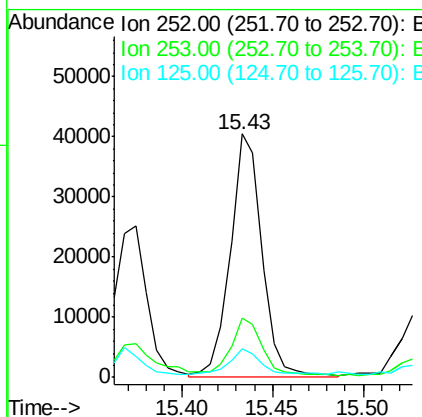
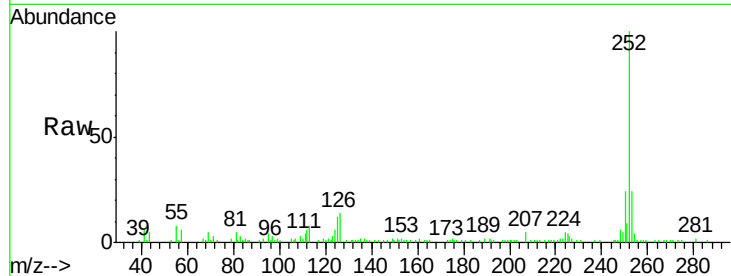
ClientSampled :

EO-01-120517-C

Tot Ion:	252	Resp:	49476
Ion Ratio	Lower	Upper	
252	100		
253	24.3	17.1	25.7
125	11.9	9.8	14.6

Manual Integrations
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#91

Benzo(g,h,i)perylene

Concen: 5.440 ng

RT: 17.44 min Scan# 2610

Delta R.T. 0.01 min

Lab File: BF101173.D

Acq: 6 Dec 2017 17:45

Tgt Ion:	276	Resp:	23490
Ion Ratio	Lower	Upper	
276	100		
277	24.4	17.9	26.9
138	23.9	21.8	32.8

