

Data Path : Z:\HPCHEM1\BNA F\DATA\BF120617\
 Data File : BF101172.D
 Acq On : 6 Dec 2017 17:18
 Operator : SJ/JU
 Sample : I6683-03 10X
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

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

Manual Integrations
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Sohil
 12/7/2017 11:35:50 AM

Quant Time: Dec 07 00:06:46 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	46339	20.00	ng	0.00
21) Naphthalene-d8	8.13	136	177806	20.00	ng	0.00
38) Acenaphthene-d10	9.89	164	79343	20.00	ng	0.00
63) Phenanthrene-d10	11.37	188	131973	20.00	ng	0.00
75) Chrysene-d12	14.02	240	101822	20.00	ng	0.00
86) Perylene-d12	15.50	264	106419	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.46	112	28823	10.28	ng	0.00
7) Phenol-d6	6.47	99	33994	9.98	ng	0.00
23) Nitrobenzene-d5	7.41	82	20222	6.78	ng	0.00
41) 2,4,6-Tribromophenol	10.67	330	7284	7.64	ng	0.00
44) 2-Fluorobiphenyl	9.20	172	46553	8.03	ng	-0.01
78) Terphenyl-d14	12.96	244	34456	7.40	ng	0.00
Target Compounds						
70) Phenanthrene	11.40	178	25861	3.558	ng	99
74) Fluoranthene	12.59	202	26328	3.268	ng	92
77) Pyrene	12.82	202	39374	5.604	ng	98
80) Benzo(a)anthracene	14.01	228	17430	2.711	ng	91
82) Chrysene	14.05	228	19190m	3.214	ng	
87) Benzo(b)fluoranthene	15.06	252	19594m	3.074	ng	
89) Benzo(a)pyrene	15.43	252	20049m	3.460	ng	
91) Benzo(g,h,i)perylene	17.43	276	13015	2.703	ng	# 85

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

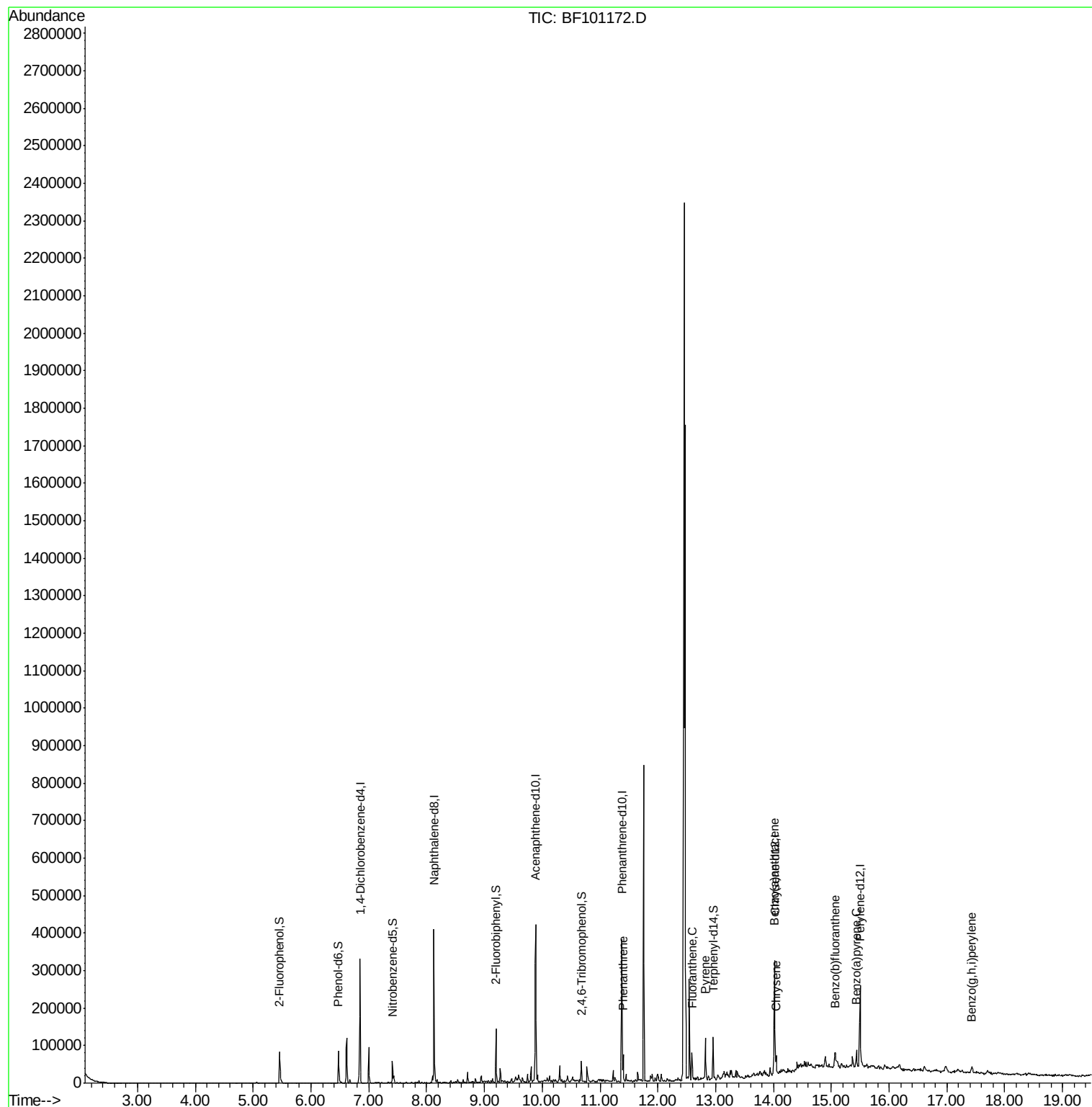
Data Path : Z:\HPCHEM1\BNA F\DATA\BF120617\
Data File : BF101172.D
Acq On : 6 Dec 2017 17:18
Operator : SJ/JU
Sample : I6683-03 10X
Misc :
ALS Vial : 14 Sample Multiplier: 1

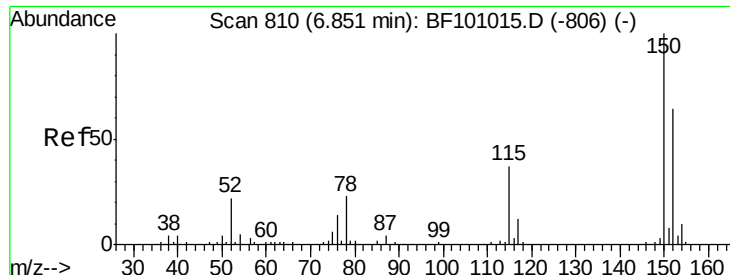
Instrument :
BNA_F
ClientSampleId :
EO-01-120517-B

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#1

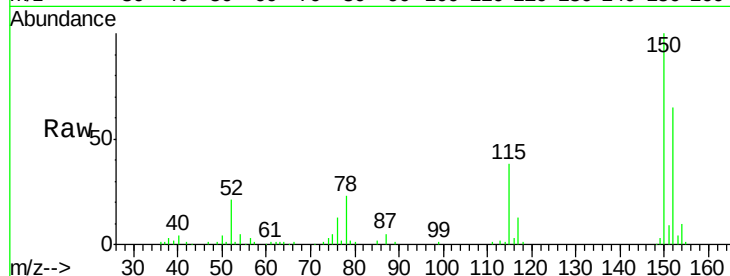
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.85 min Scan# 809
Delta R.T. 0.00 min
Lab File: BF101172.D
Acq: 6 Dec 2017 17:18

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

Tot Ion	Ratio	Lower	Upper
152	100		
150	154.0	124.6	186.8
115	58.4	50.1	75.1

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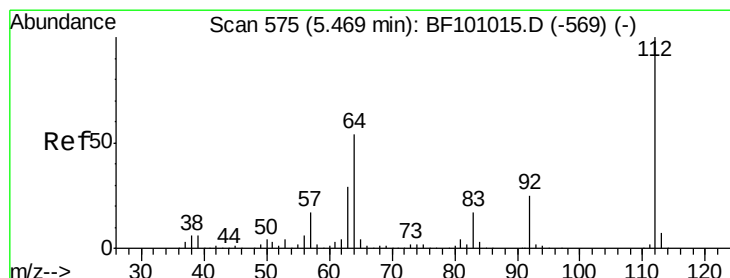
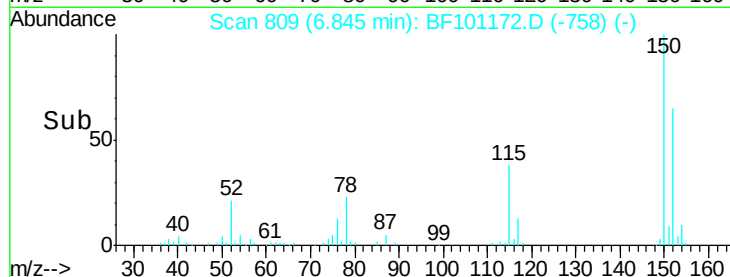
Abundance

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

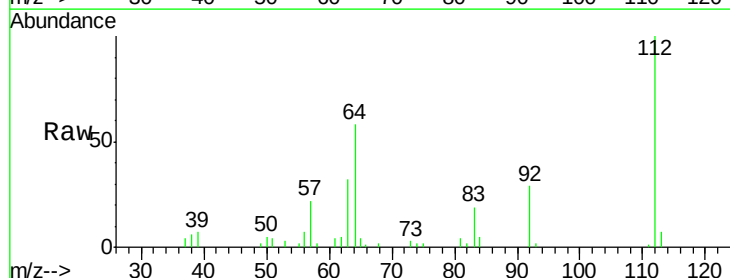
Time-->



#5

2-Fluorophenol
Concen: 10.278 ng
RT: 5.46 min Scan# 573
Delta R.T. -0.01 min
Lab File: BF101172.D
Acq: 6 Dec 2017 17:18

Tgt Ion	Ratio	Lower	Upper
112	100		
64	58.2	47.9	71.9
63	32.4	23.7	35.5



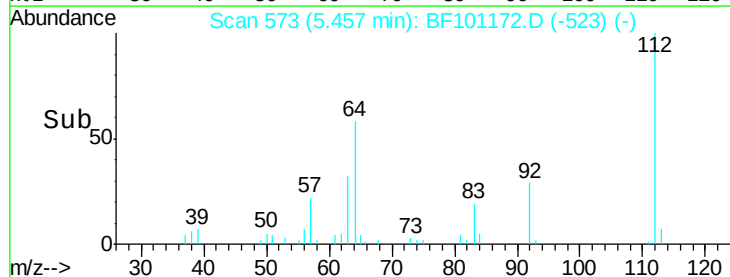
Abundance

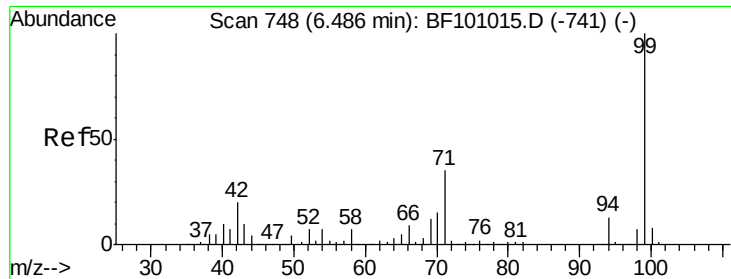
Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF1

Ion 63.00 (62.70 to 63.70): BF1

Time-->





#7

Phenol-d6

Concen: 9.985 ng

RT: 6.47 min Scan# 746

Delta R.T. -0.01 min

Lab File: BF101172.D

Acq: 6 Dec 2017 17:18

Instrument :

BNA_F

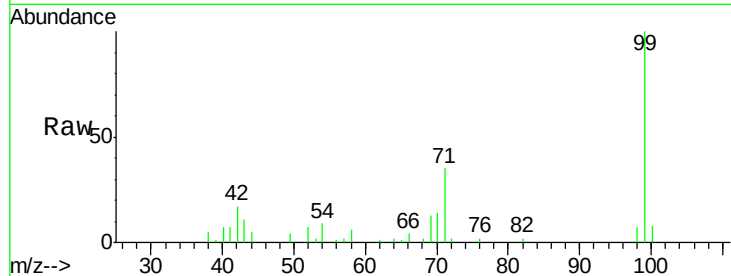
ClientSampleId :

EO-01-120517-B

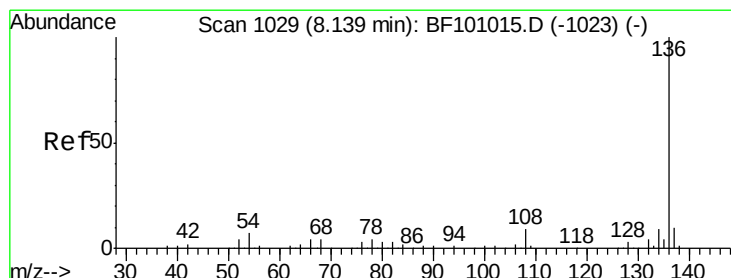
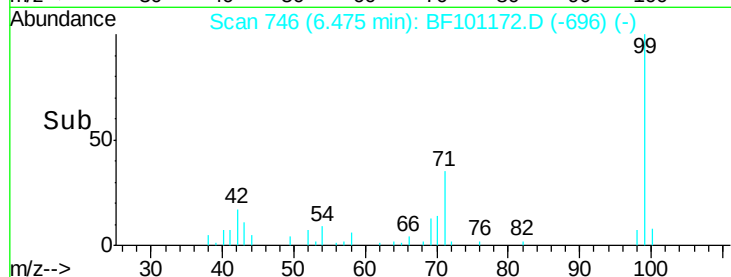
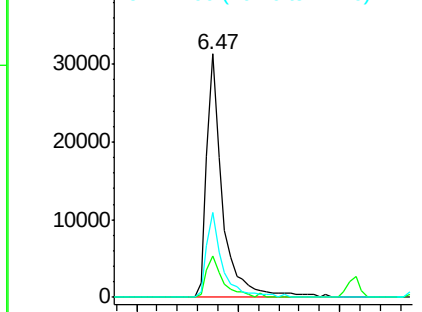
Tot Ion:	99	Resp:	33994
Ion	Ratio	Lower	Upper
99	100		
42	16.8	14.5	21.7
71	34.6	25.4	38.0

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Abundance Ion 99.00 (98.70 to 99.70): BF1
Ion 42.00 (41.70 to 42.70): BF1
Ion 71.00 (70.70 to 71.70): BF1



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.13 min Scan# 1027

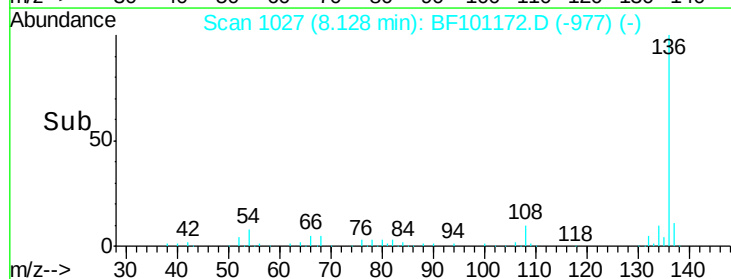
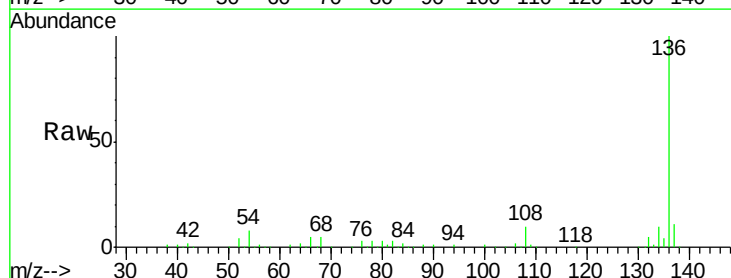
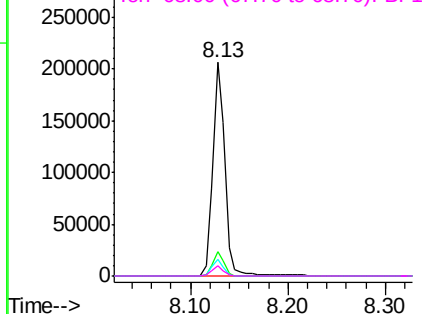
Delta R.T. -0.01 min

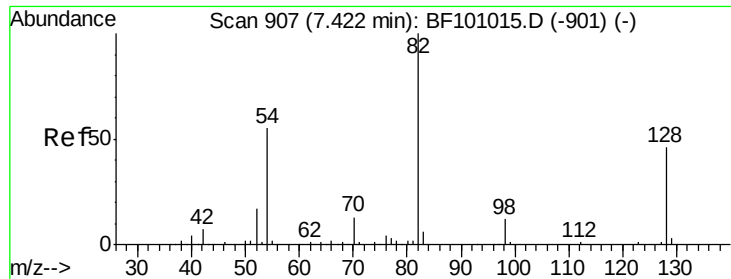
Lab File: BF101172.D

Acq: 6 Dec 2017 17:18

Tgt Ion:	136	Resp:	177806
Ion	Ratio	Lower	Upper
136	100		
137	11.2	8.9	13.3
54	7.8	6.6	9.8
68	5.1	5.0	7.4

Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF1
Ion 68.00 (67.70 to 68.70): BF1





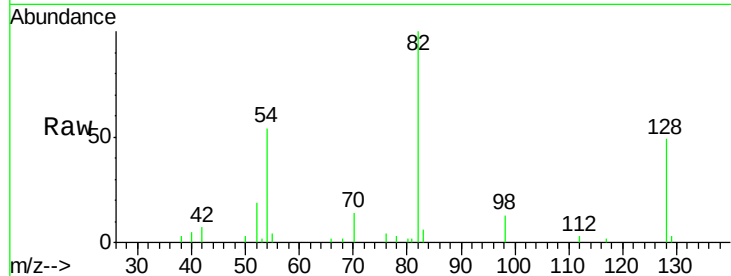
#23
Nitrobenzene-d5
Concen: 6.784 ng
RT: 7.41 min Scan# 905
Delta R.T. -0.01 min
Lab File: BF101172.D
Acq: 6 Dec 2017 17:18

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

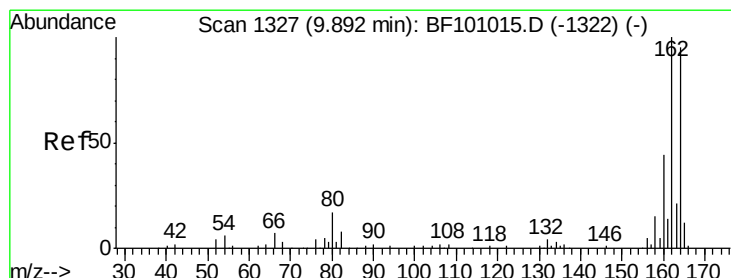
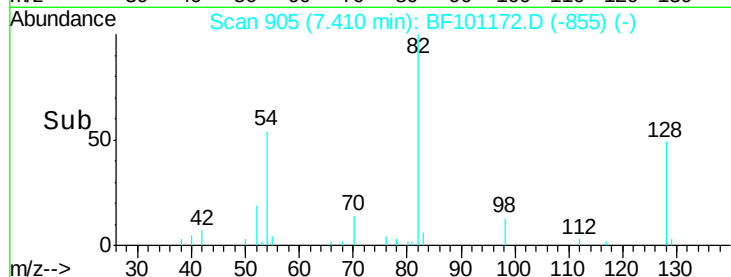
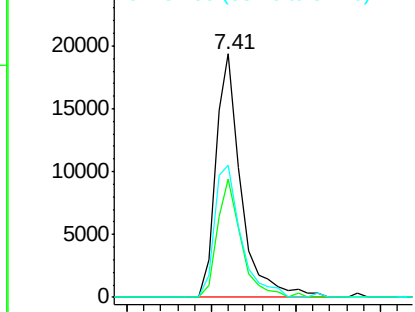
Tot Ion	82	Resp	20222
Ion Ratio	Lower	Upper	
82	100		
128	48.8	36.1	54.1
54	54.2	41.4	62.2

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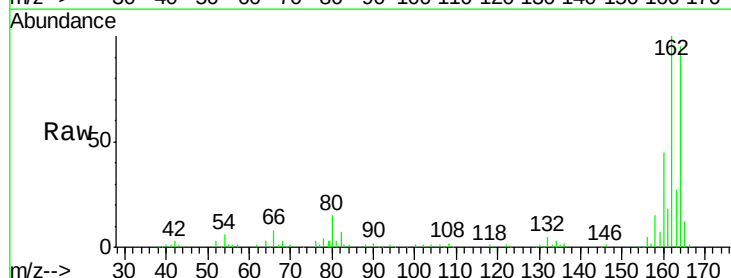


Abundance Ion 82.00 (81.70 to 82.70): BF1
Ion 128.00 (127.70 to 128.70): E
Ion 54.00 (53.70 to 54.70): BF1

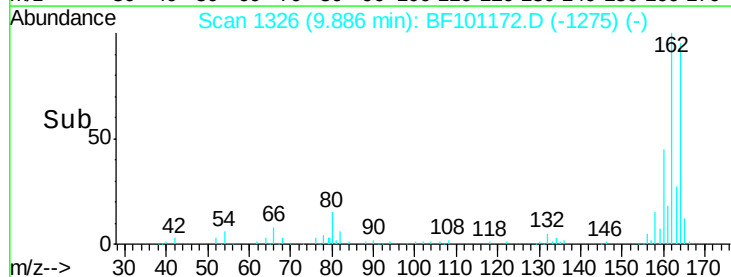
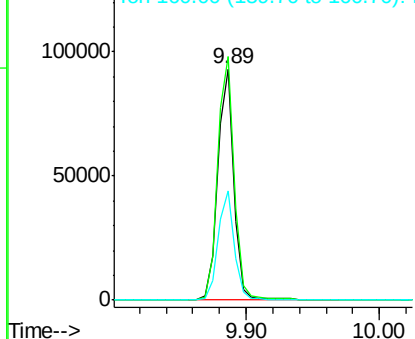


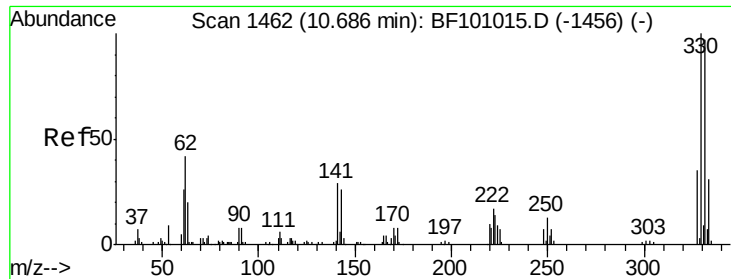
#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.89 min Scan# 1326
Delta R.T. 0.00 min
Lab File: BF101172.D
Acq: 6 Dec 2017 17:18

Tgt Ion	164	Resp	79343
Ion Ratio	Lower	Upper	
164	100		
162	105.3	86.1	129.1
160	47.2	38.3	57.5



Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E





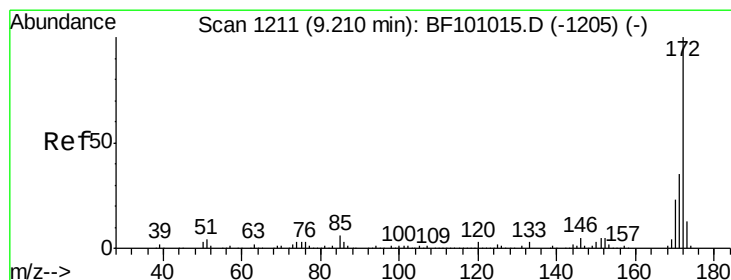
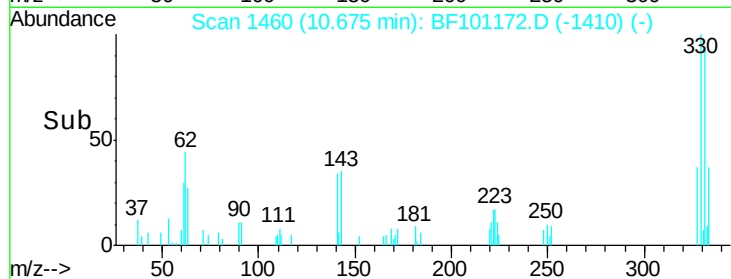
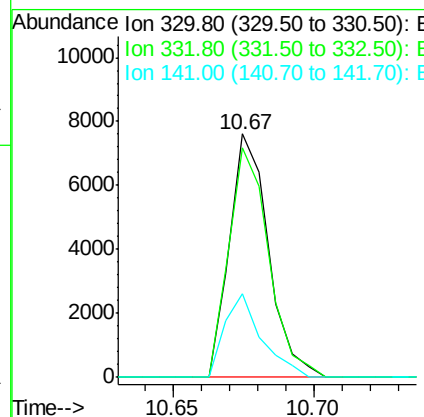
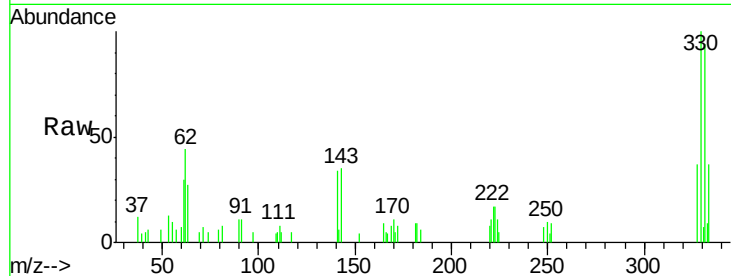
#41
 2,4,6-Tribromophenol
 Concen: 7.642 ng
 RT: 10.67 min Scan# 1460
 Delta R.T. -0.01 min
 Lab File: BF101172.D
 Acq: 6 Dec 2017 17:18

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

Tot Ion	Ratio	Lower	Upper
330	100		
332	96.7	77.0	115.6
141	32.5	29.9	44.9

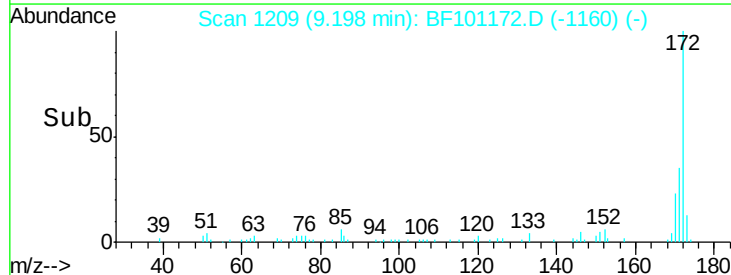
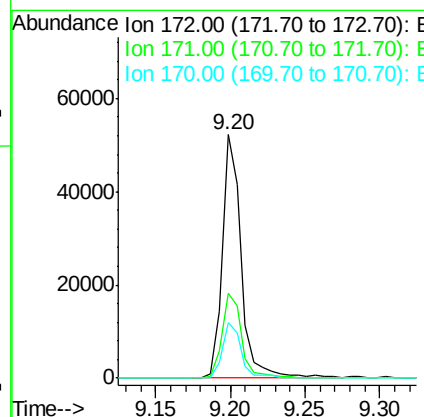
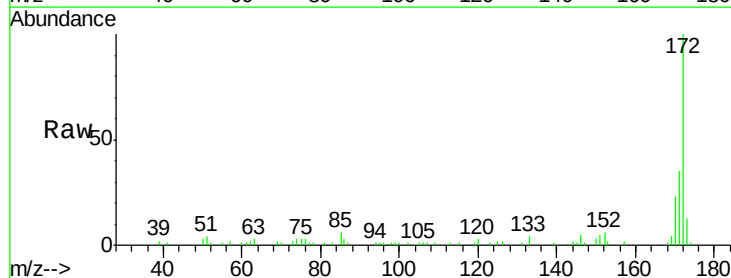
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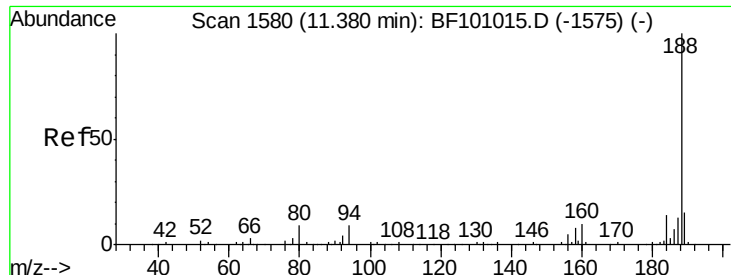
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#44
 2-Fluorobiphenyl
 Concen: 8.028 ng
 RT: 9.20 min Scan# 1209
 Delta R.T. -0.01 min
 Lab File: BF101172.D
 Acq: 6 Dec 2017 17:18

Tgt Ion	Ratio	Lower	Upper
172	100		
171	34.8	29.7	44.5
170	22.9	19.6	29.4





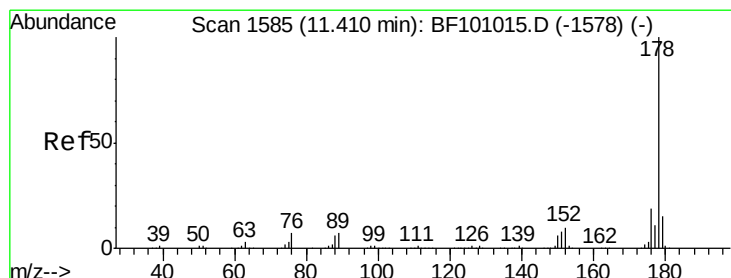
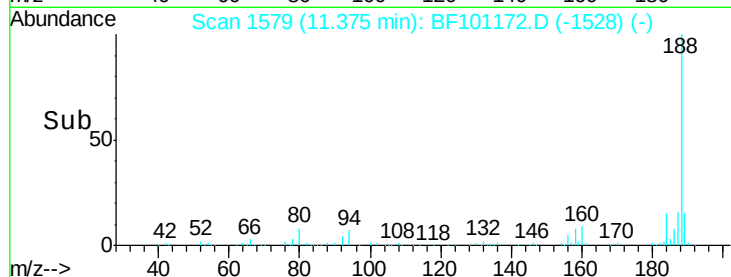
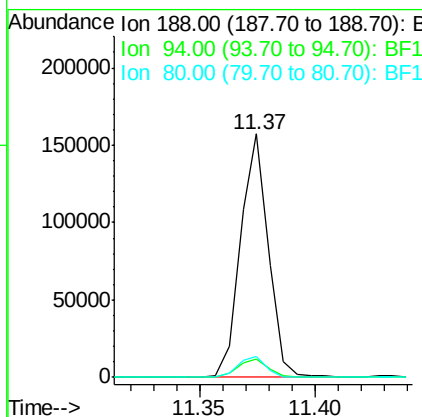
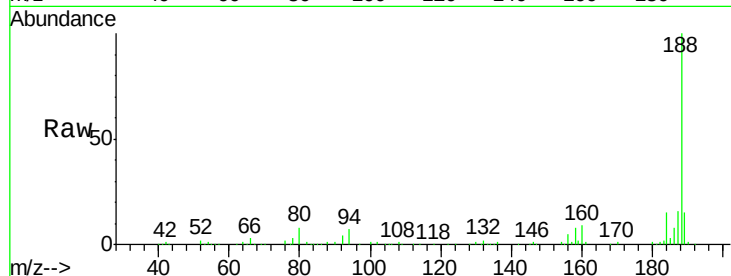
#63
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.37 min Scan# 1579
 Delta R.T. 0.00 min
 Lab File: BF101172.D
 Acq: 6 Dec 2017 17:18

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

Tot Ion	Ratio	Resp	Lower	Upper
188	100	131973		
94	7.5		8.5	12.7#
80	8.3		9.2	13.8#

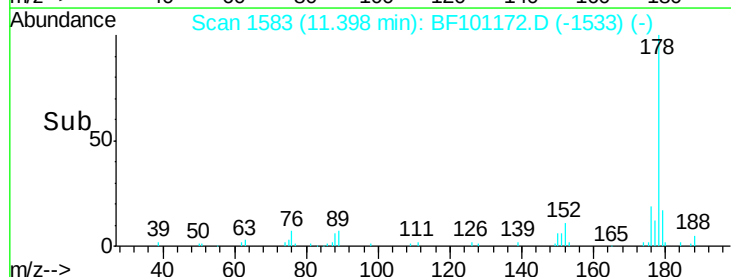
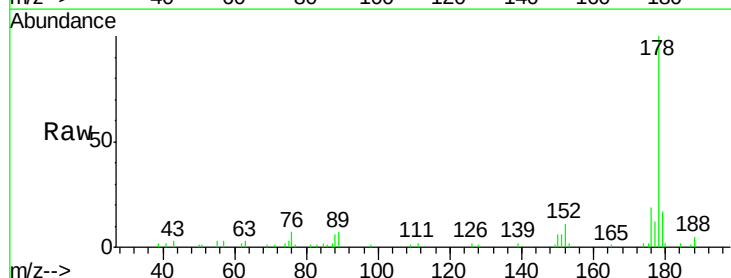
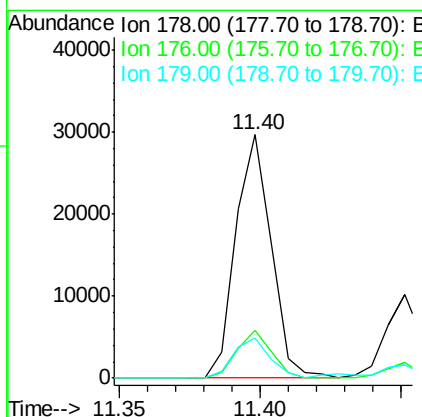
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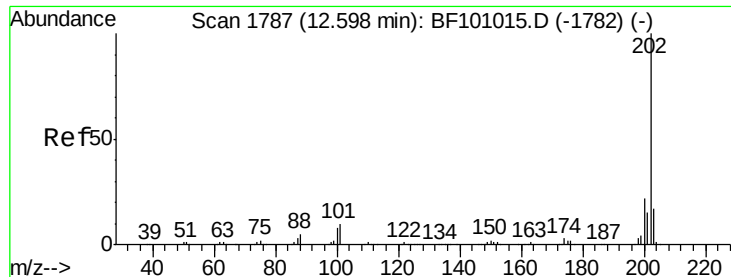
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#70
 Phenanthrene
 Concen: 3.558 ng
 RT: 11.40 min Scan# 1583
 Delta R.T. -0.01 min
 Lab File: BF101172.D
 Acq: 6 Dec 2017 17:18

Tgt Ion	Ratio	Resp	Lower	Upper
178	100	25861		
176	19.5		15.8	23.8
179	16.7		13.0	19.6





#74

Fluoranthene

Concen: 3.268 ng

RT: 12.59 min Scan# 1786

Delta R.T. 0.00 min

Lab File: BF101172.D

Acq: 6 Dec 2017 17:18

Instrument :

BNA_F

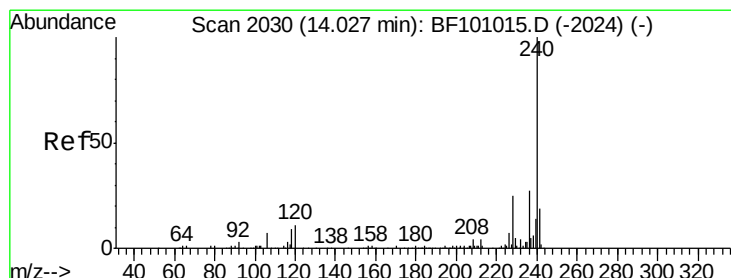
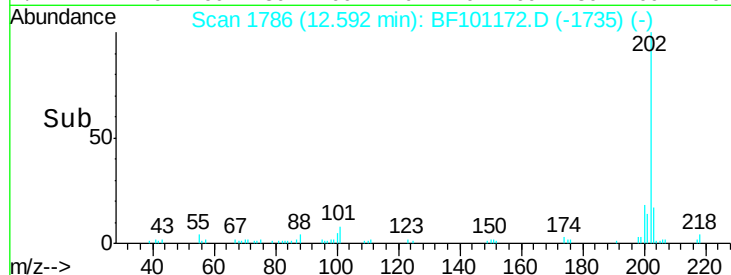
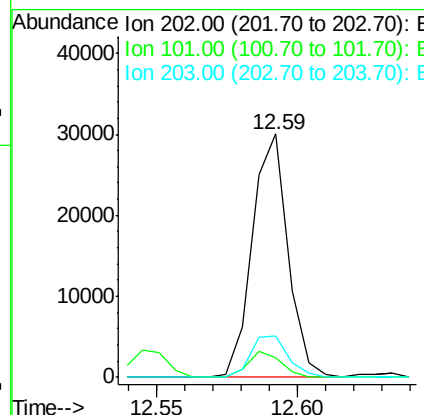
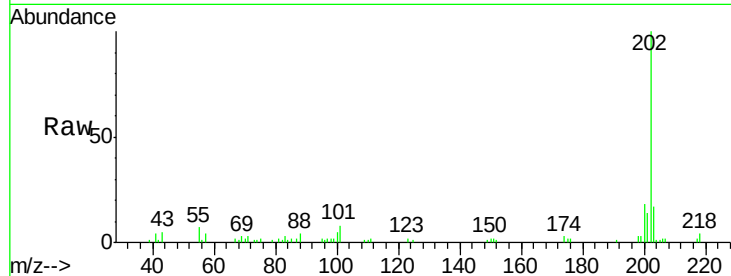
ClientSampleId :

EO-01-120517-B

Tot Ion	Ratio	Resp Lower	Upper
202	100		
101	7.9	0.0	34.1
203	17.2	0.0	38.1

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#75

Chrysene-d12

Concen: 20.000 ng

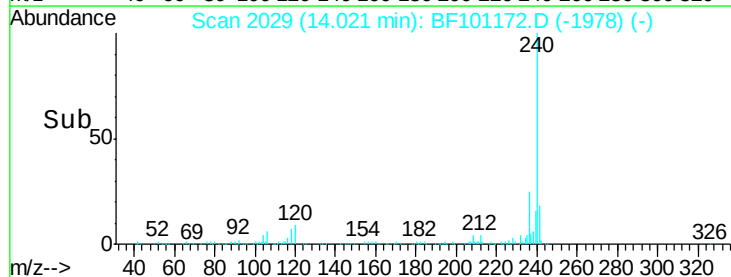
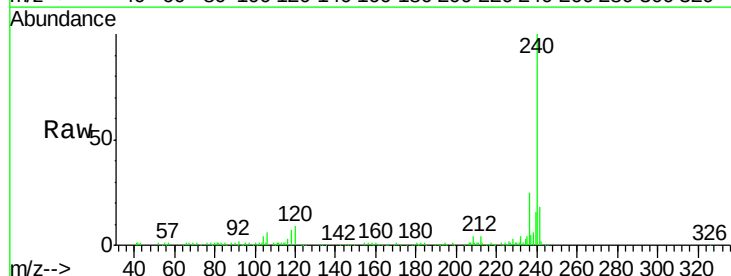
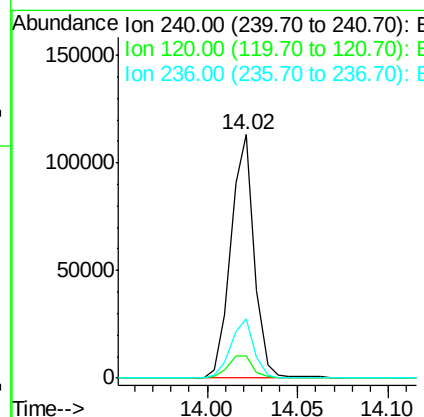
RT: 14.02 min Scan# 2029

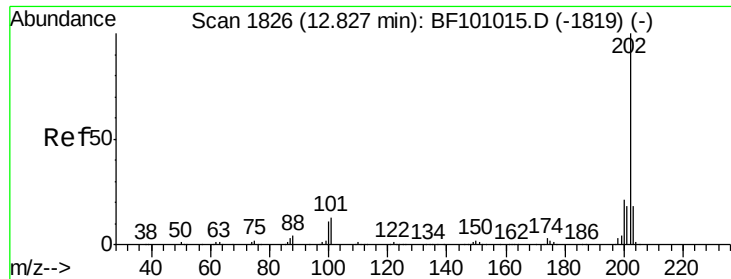
Delta R.T. 0.00 min

Lab File: BF101172.D

Acq: 6 Dec 2017 17:18

Tgt Ion	Ratio	Resp Lower	Upper
240	100		
120	9.0	9.5	14.3#
236	24.5	20.7	31.1





#77

Pvrene

Concen: 5.604 ng

RT: 12.82 min Scan# 1825

Delta R.T. 0.00 min

Lab File: BF101172.D

Acq: 6 Dec 2017 17:18

Instrument :

BNA_F

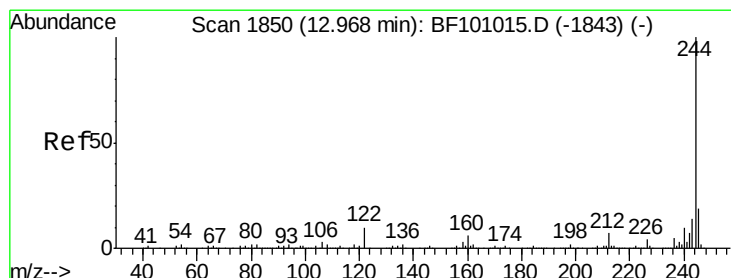
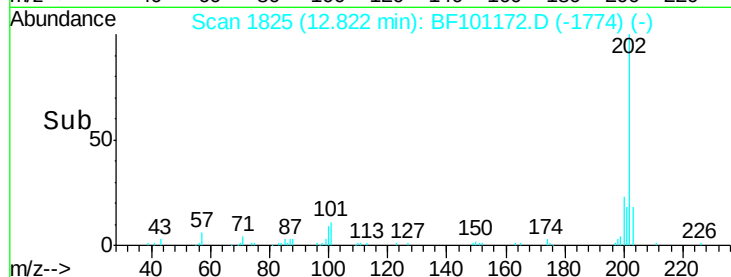
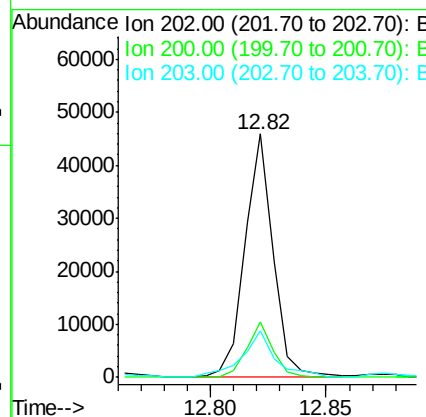
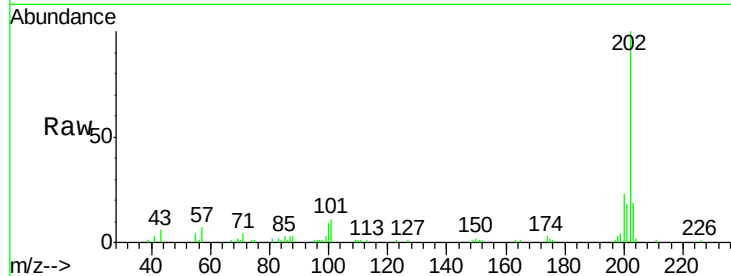
ClientSampleId :

EO-01-120517-B

Tot Ion:	202	Resp:	39374
Ion Ratio	Lower	Upper	
202	100		
200	23.0	17.4	26.2
203	18.9	14.3	21.5

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#78

Terphenyl-d14

Concen: 7.402 ng

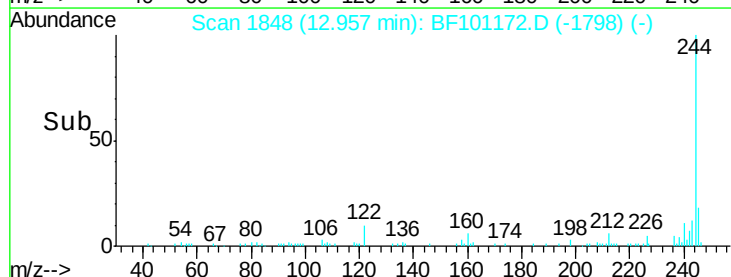
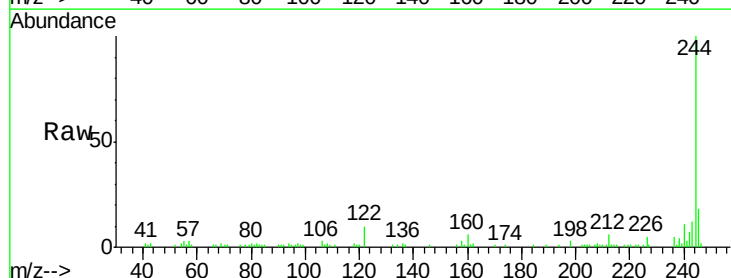
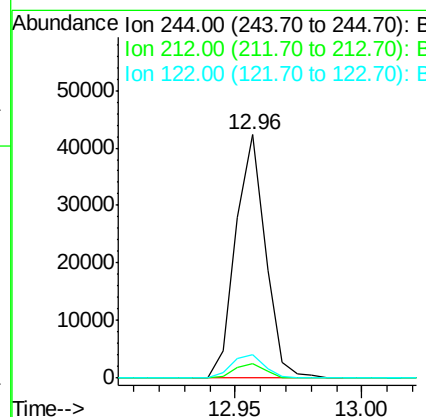
RT: 12.96 min Scan# 1848

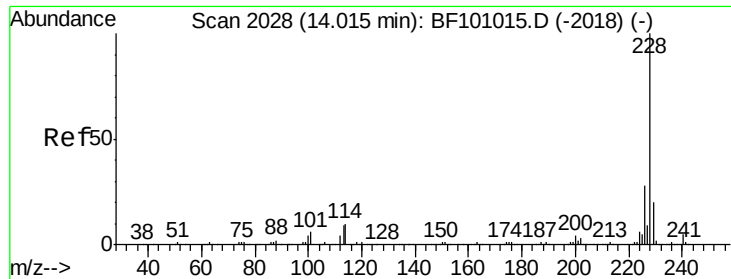
Delta R.T. -0.01 min

Lab File: BF101172.D

Acq: 6 Dec 2017 17:18

Tgt Ion:	244	Resp:	34456
Ion Ratio	Lower	Upper	
244	100		
212	6.1	5.4	8.0
122	9.6	11.0	16.4#





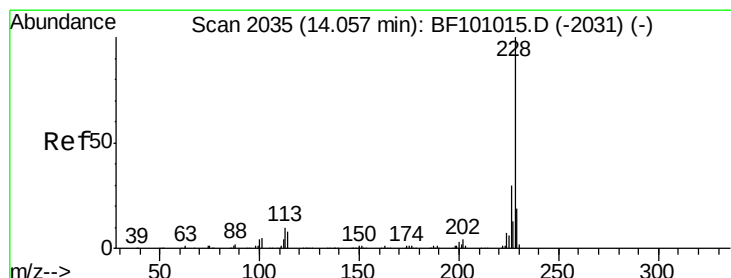
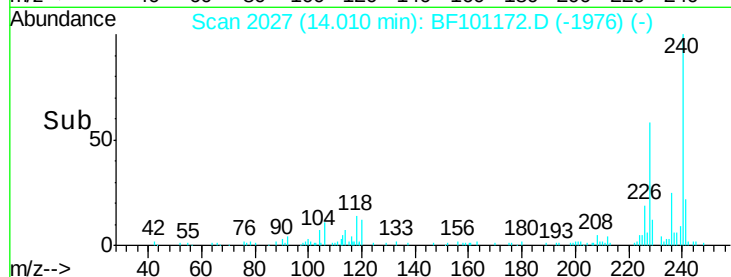
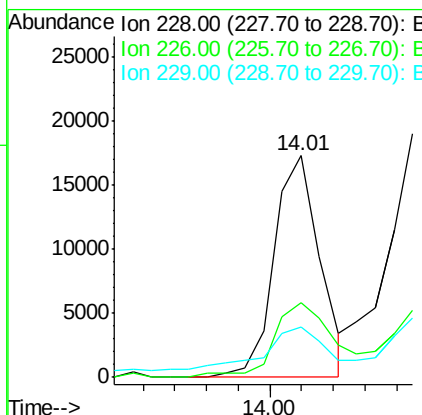
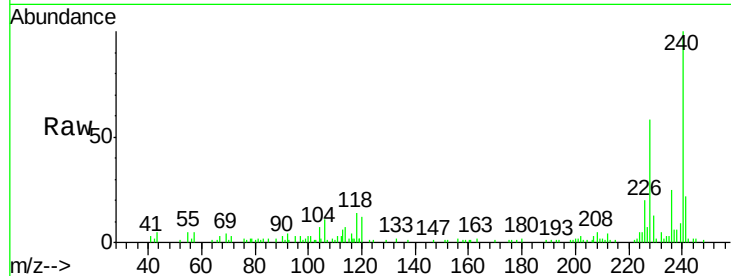
#80
Benzo(a)anthracene
Concen: 2.711 ng
RT: 14.01 min Scan# 2027
Delta R.T. 0.00 min
Lab File: BF101172.D
Acq: 6 Dec 2017 17:18

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

Tot Ion	Ratio	Lower	Upper
228	100		
226	33.7	22.6	33.8
229	22.6	15.8	23.6

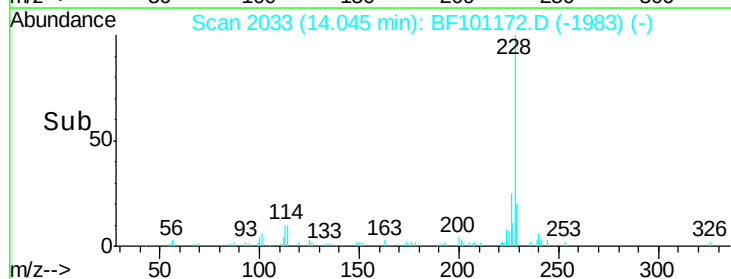
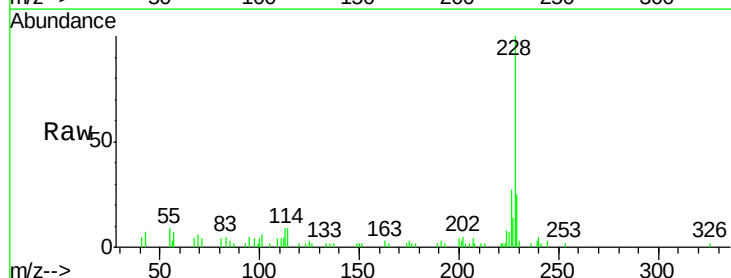
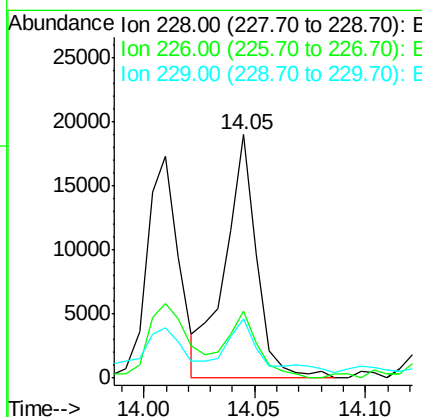
Manual Integrations
APPROVED

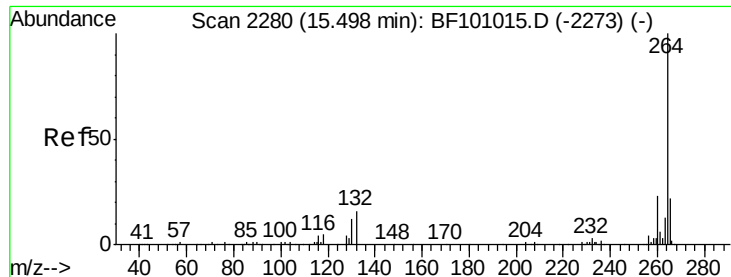
Sohil
12/7/2017 11:35:50 AM



#82
Chrysene
Concen: 3.214 ng m
RT: 14.05 min Scan# 2033
Delta R.T. -0.01 min
Lab File: BF101172.D
Acq: 6 Dec 2017 17:18

Tgt Ion	Ratio	Lower	Upper
228	100		
226	27.5	25.0	37.6
229	24.5	16.2	24.4#





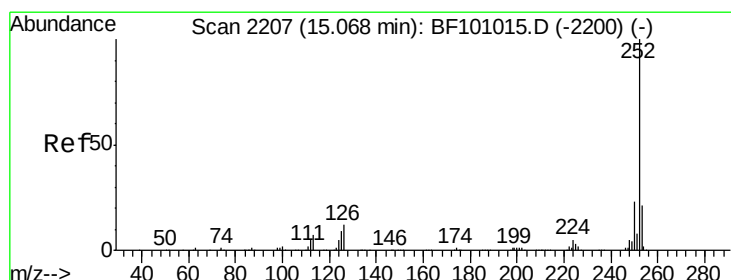
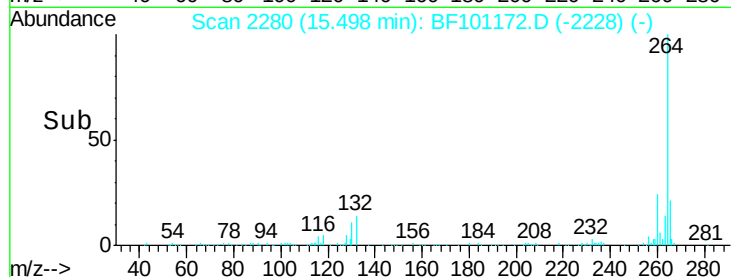
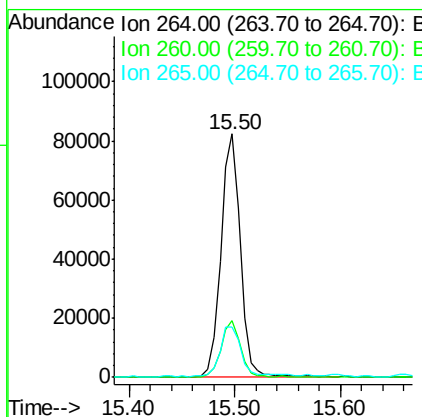
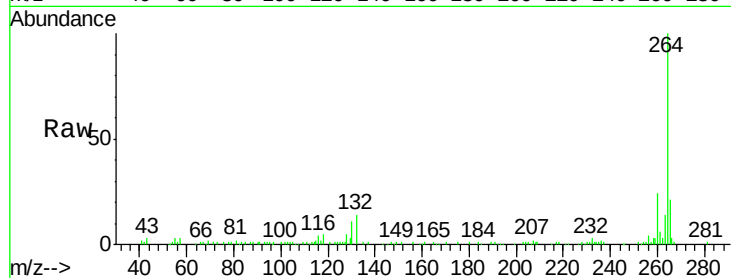
#86
Pervlene-d12
Concen: 20.000 ng
RT: 15.50 min Scan# 2280
Delta R.T. 0.01 min
Lab File: BF101172.D
Acq: 6 Dec 2017 17:18

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

Tot Ion	Ratio	Lower	Upper
264	100		
260	23.5	19.2	28.8
265	20.7	17.5	26.3

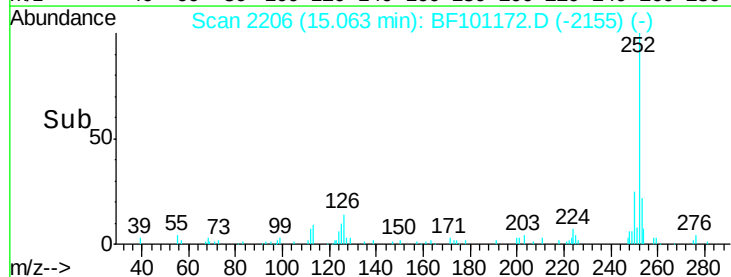
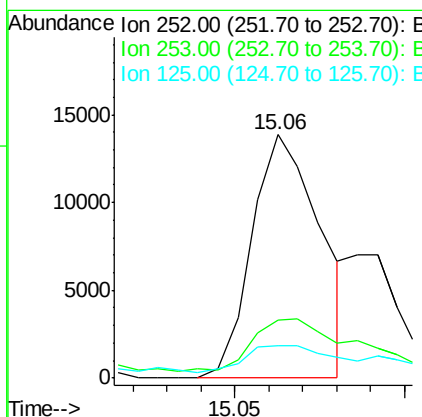
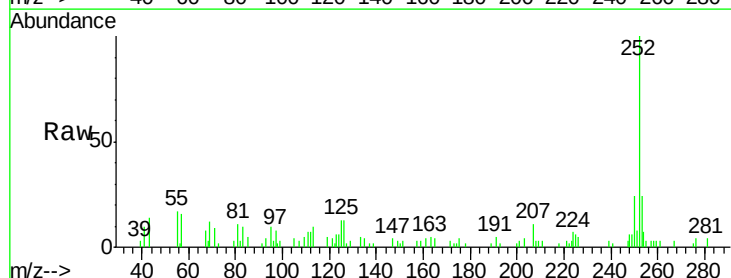
Manual Integrations
APPROVED

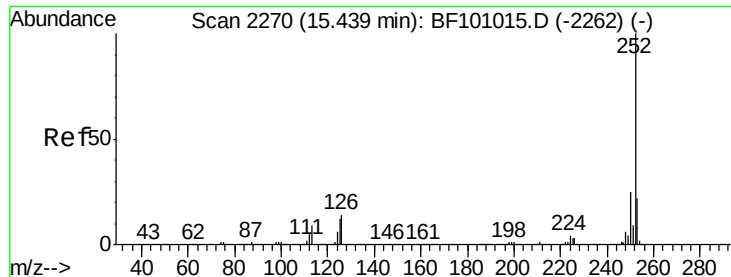
Sohil
12/7/2017 11:35:50 AM



#87
Benzo(b)fluoranthene
Concen: 3.074 ng m
RT: 15.06 min Scan# 2206
Delta R.T. 0.00 min
Lab File: BF101172.D
Acq: 6 Dec 2017 17:18

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.8	17.0	25.6
125	13.2	9.0	13.6





#89

Benzo(a)pyrene

Concen: 3.460 ng/mL

RT: 15.43 min Scan# 2269

Delta R.T. 0.00 min

Lab File: BF101172.D

Acq: 6 Dec 2017 17:18

Instrument :

BNA_F

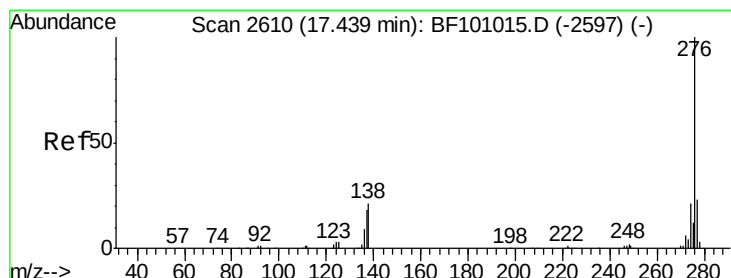
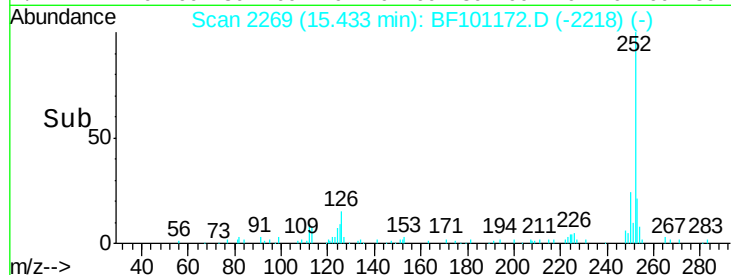
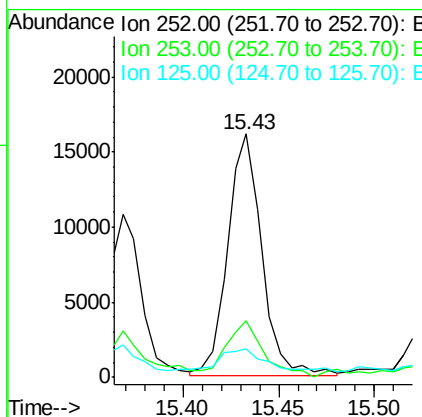
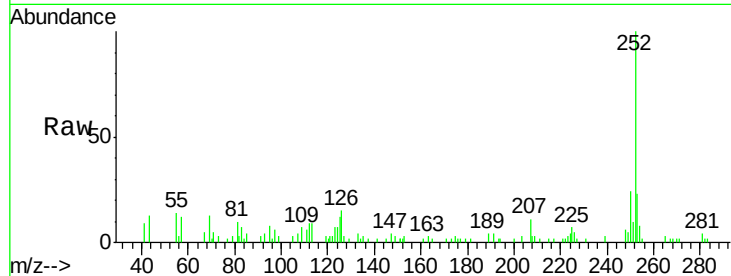
ClientSampleId :

EO-01-120517-B

Tot Ion:	252	Resp:	20049
Ion Ratio	Lower	Upper	
252	100		
253	23.5	17.1	25.7
125	11.7	9.8	14.6

Manual Integrations
APPROVED

Sohil
12/7/2017 11:35:50 AM



#91

Benzo(g,h,i)perylene

Concen: 2.703 ng/mL

RT: 17.43 min Scan# 2608

Delta R.T. 0.00 min

Lab File: BF101172.D

Acq: 6 Dec 2017 17:18

Tgt Ion:	276	Resp:	13015
Ion Ratio	Lower	Upper	
276	100		
277	28.5	17.9	26.9#
138	18.8	21.8	32.8#

