

Data Path : \\74.0.250.170\SV0ASRV\HPCHEM1\BNA F\DATA\BF022818\
 Data File : BF103322.D
 Acq On : 1 Mar 2018 4:44
 Operator : SJ/JU
 Sample : J1399-09DL 10X
 Misc :
 ALS Vial : 28 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 OR-03-022718-ADL

Manual Integrations
 APPROVED

Sohil
 3/1/2018 11:43:49 AM

Quant Time: Mar 01 06:07:11 2018
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF022218.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Feb 27 17:05:20 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.87	152	125325	20.00	ng	0.00
21) Naphthalene-d8	8.16	136	518199	20.00	ng	0.00
38) Acenaphthene-d10	9.92	164	211602	20.00	ng	0.00
63) Phenanthrene-d10	11.40	188	297875	20.00	ng	0.00
75) Chrysene-d12	14.06	240	221316	20.00	ng	0.00
86) Perylene-d12	15.55	264	177992	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.50	112	76909	9.28	ng	0.00
7) Phenol-d6	6.51	99	91951	9.07	ng	0.00
23) Nitrobenzene-d5	7.44	82	54119	5.96	ng	0.00
41) 2,4,6-Tribromophenol	10.71	330	10635	5.94	ng	0.00
44) 2-Fluorobiphenyl	9.23	172	99451	4.26	ng	0.00
78) Terphenyl-d14	12.99	244	58736	6.38	ng	0.00
Target Compounds						Qvalue
31) Naphthalene	8.18	128	67776	2.672	ng	99
37) 2-Methylnaphthalene	8.87	142	47545	2.900	ng	93
51) Acenaphthene	9.95	154	42192	3.352	ng	99
54) Dibenzofuran	10.12	168	38429	2.224	ng	95
57) Fluorene	10.46	166	72913	4.954	ng	99
70) Phenanthrene	11.43	178	458156	27.948	ng	99
71) Anthracene	11.48	178	125472	7.464	ng	98
74) Fluoranthene	12.62	202	446963	27.133	ng	98
77) Pyrene	12.86	202	401054	23.243	ng	99
80) Benzo(a)anthracene	14.04	228	171441m	11.939	ng	
82) Chrysene	14.08	228	153187m	10.987	ng	
85) Indeno(1,2,3-cd)pyrene	17.07	276	46018	4.169	ng	98
87) Benzo(b)fluoranthene	15.12	252	149762m	12.797	ng	
88) Benzo(k)fluoranthene	15.14	252	45067m	4.090	ng	
89) Benzo(a)pyrene	15.49	252	99809	9.551	ng	# 94
91) Benzo(g,h,i)perylene	17.54	276	42950	5.442	ng	93

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

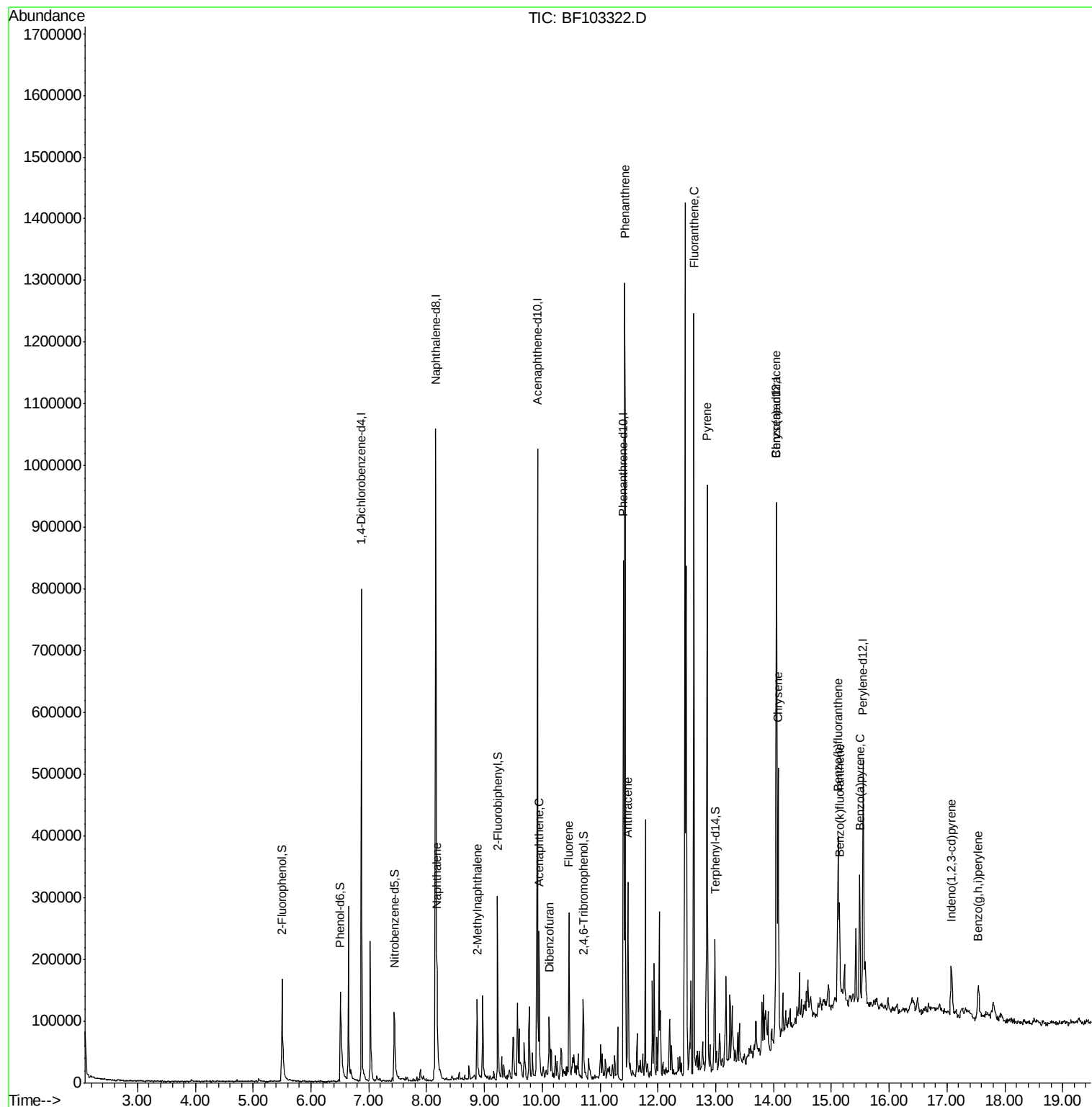
Data Path : \\74.0.250.170\SV0ASRV\HPCHEM1\BNA F\DATA\BF022818\
Data File : BF103322.D
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Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF022218.M
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#1

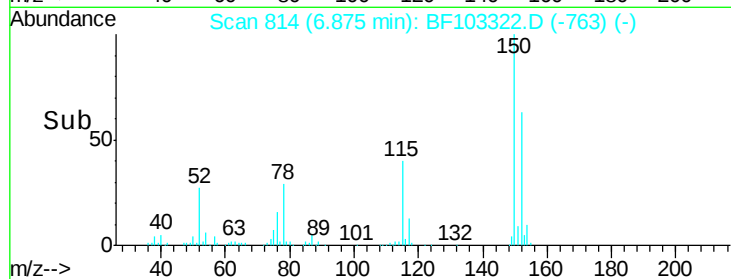
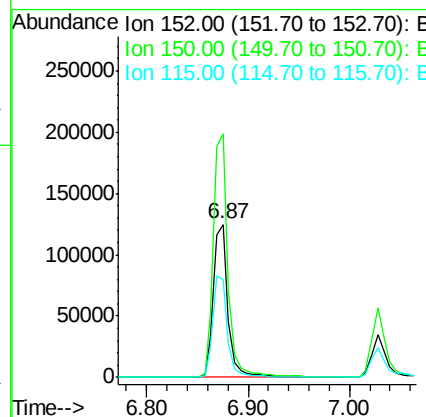
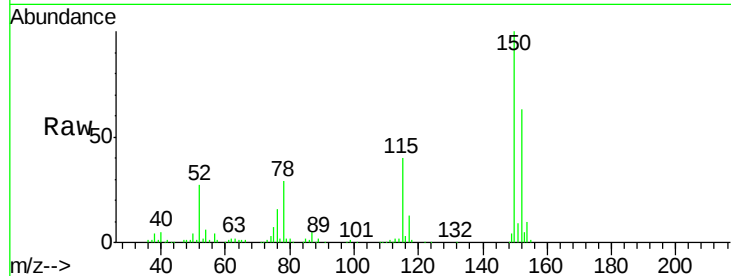
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.87 min Scan# 814
Delta R.T. 0.00 min
Lab File: BF103322.D
Acq: 1 Mar 2018 4:44

Instrument :
BNA_F
ClientSampleId :
OR-03-022718-ADL

Tot Ion	Ratio	Lower	Upper
152	100		
150	159.4	124.6	186.8
115	63.7	50.1	75.1

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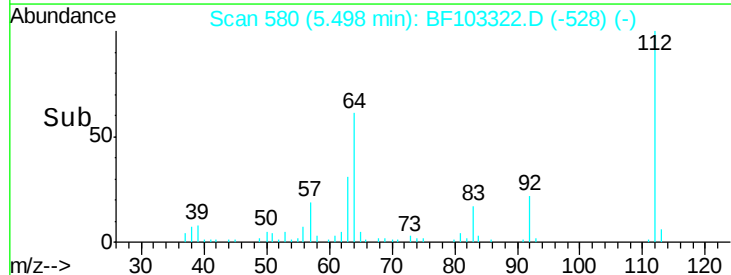
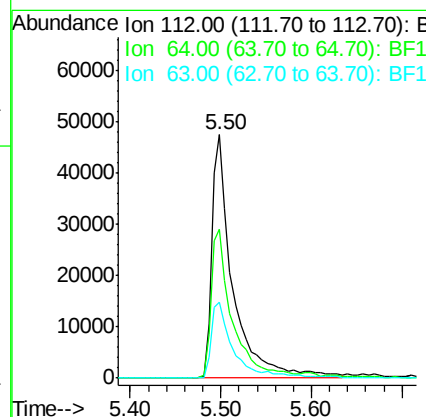
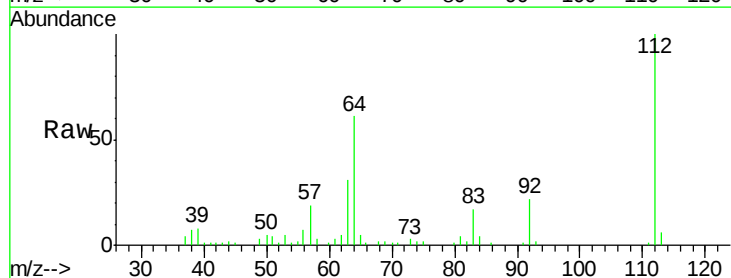
Sohil
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#5

2-Fluorophenol
Concen: 9.281 ng
RT: 5.50 min Scan# 580
Delta R.T. 0.01 min
Lab File: BF103322.D
Acq: 1 Mar 2018 4:44

Tgt Ion	Ratio	Lower	Upper
112	100		
64	60.9	47.9	71.9
63	30.9	23.7	35.5





#7

Phenol-d6

Concen: 9.069 ng

RT: 6.51 min Scan# 752

Delta R.T. 0.00 min

Lab File: BF103322.D

Acq: 1 Mar 2018 4:44

Instrument :

BNA_F

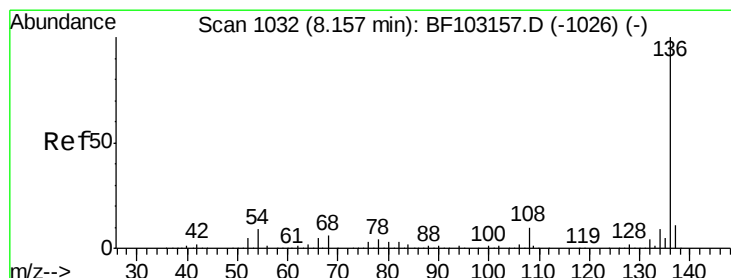
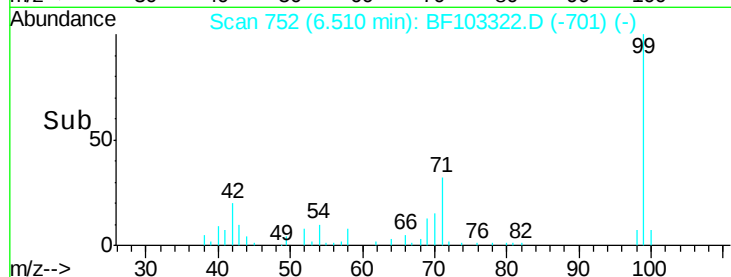
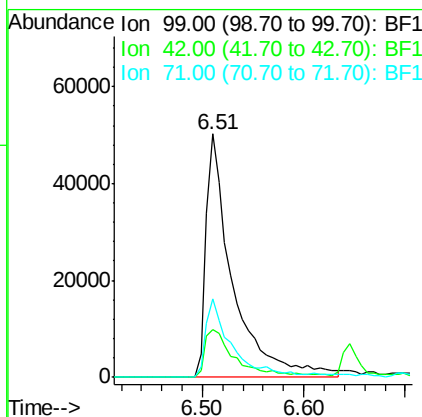
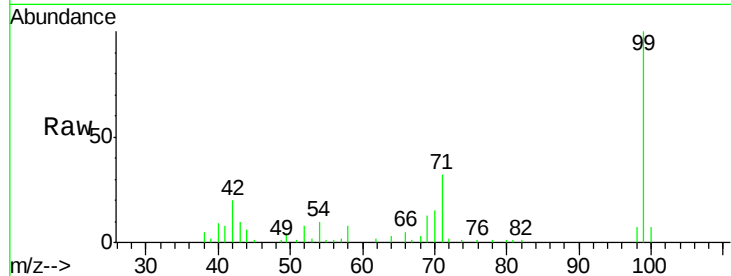
ClientSampleId :

OR-03-022718-ADL

Tot Ion:	99	Resp:	91951
Ion Ratio	Lower	Upper	
99	100		
42	19.8	14.5	21.7
71	32.4	25.4	38.0

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#21

Naphthalene-d8

Concen: 20.000 ng

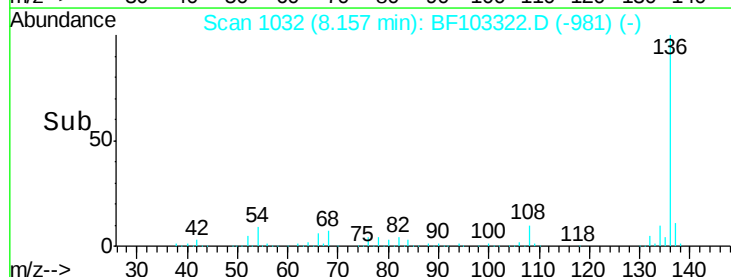
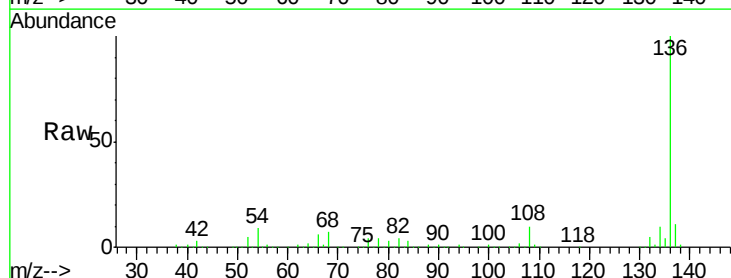
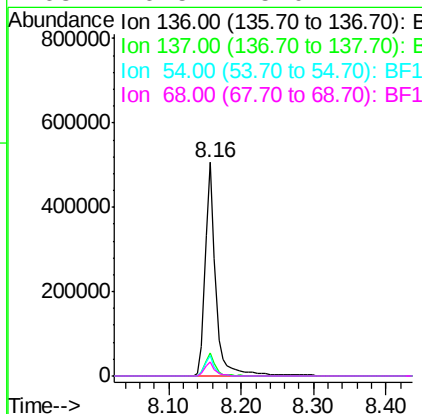
RT: 8.16 min Scan# 1032

Delta R.T. 0.00 min

Lab File: BF103322.D

Acq: 1 Mar 2018 4:44

Tgt Ion:	136	Resp:	518199
Ion Ratio	Lower	Upper	
136	100		
137	10.6	8.9	13.3
54	9.4	6.6	9.8
68	6.5	5.0	7.4





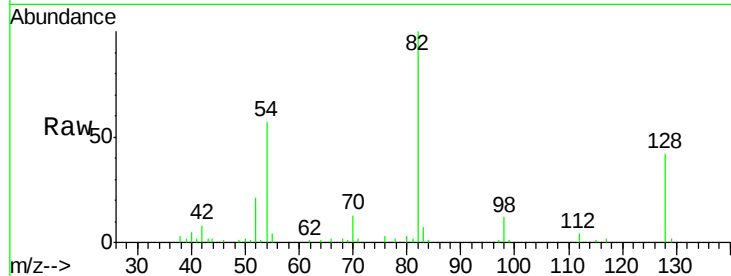
#23
Nitrobenzene-d5
Concen: 5.964 ng
RT: 7.44 min Scan# 910
Delta R.T. -0.01 min
Lab File: BF103322.D
Acq: 1 Mar 2018 4:44

Instrument :
BNA_F
ClientSampleId :
OR-03-022718-ADL

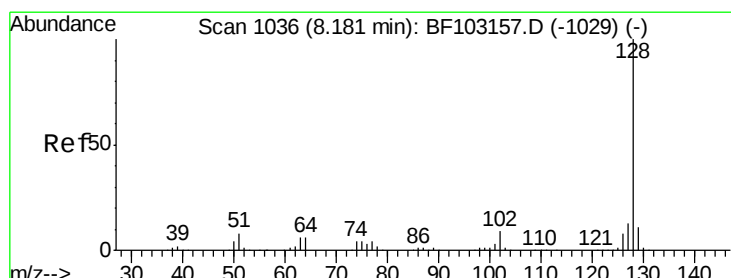
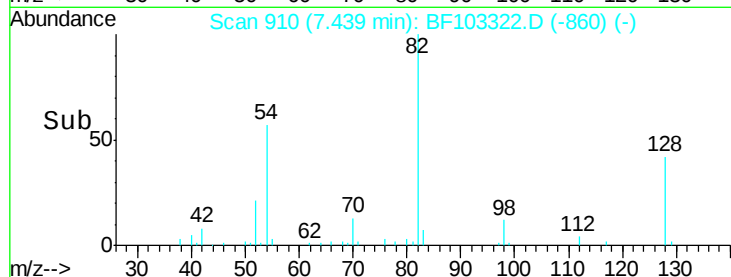
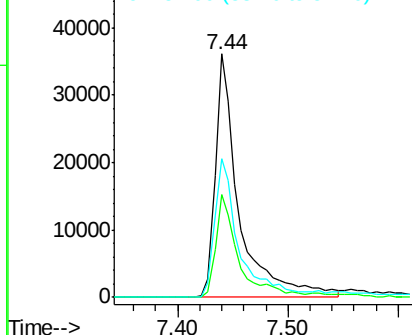
Tot Ion	Ratio	Lower	Upper
82	100		
128	42.0	36.1	54.1
54	57.0	41.4	62.2

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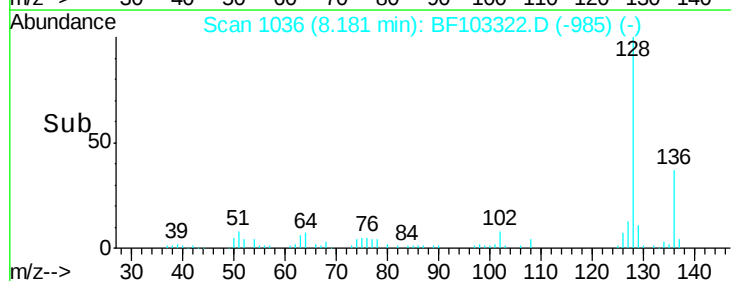
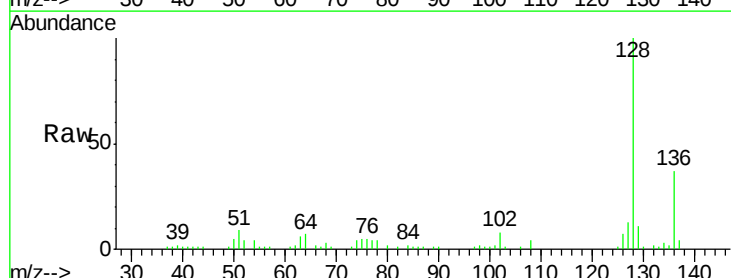
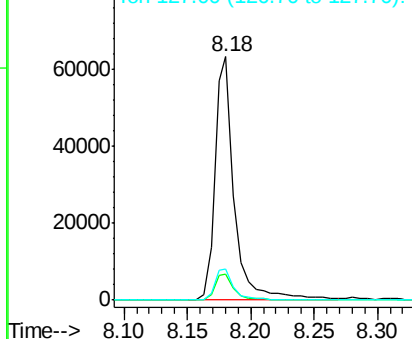
Abundance Ion 82.00 (81.70 to 82.70): BF1
Ion 128.00 (127.70 to 128.70): E
Ion 54.00 (53.70 to 54.70): BF1

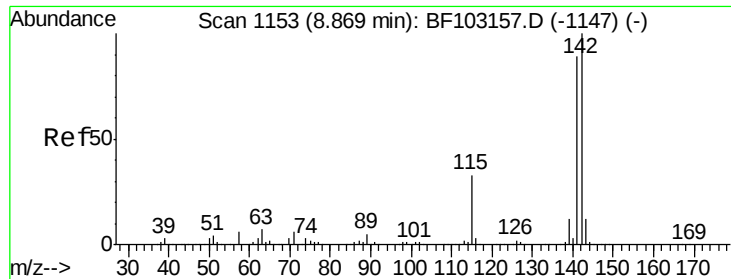


#31
Naphthalene
Concen: 2.672 ng
RT: 8.18 min Scan# 1036
Delta R.T. 0.00 min
Lab File: BF103322.D
Acq: 1 Mar 2018 4:44

Tgt Ion	Ratio	Lower	Upper
128	100		
129	10.9	8.8	13.2
127	12.8	10.9	16.3

Abundance Ion 128.00 (127.70 to 128.70): E
Ion 129.00 (128.70 to 129.70): E
Ion 127.00 (126.70 to 127.70): E





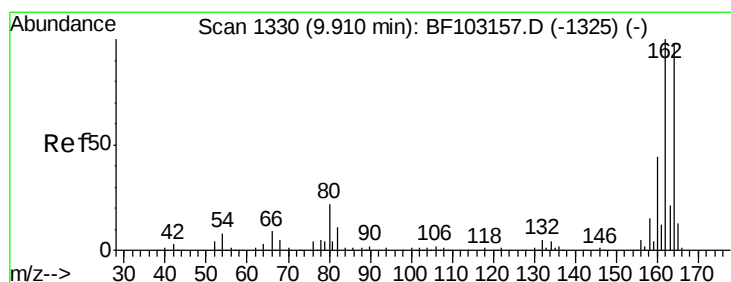
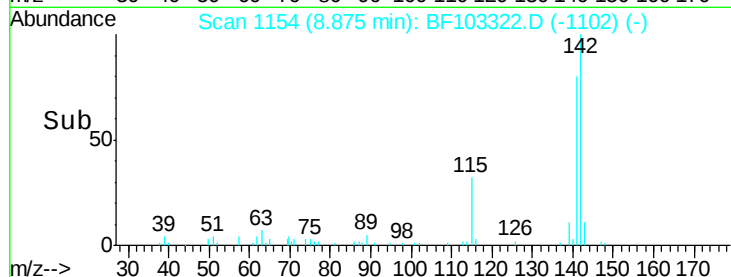
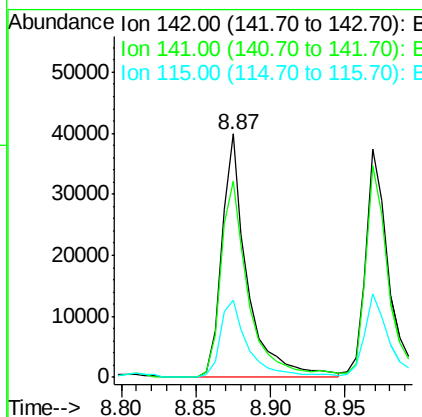
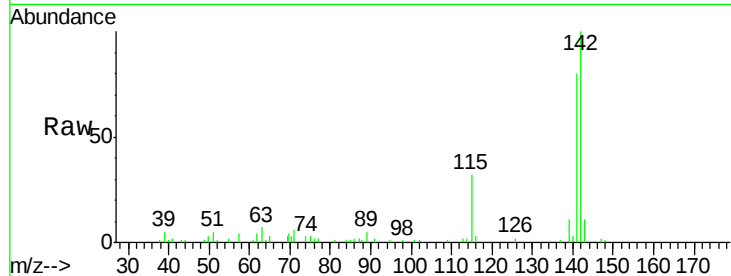
#37
2-Methylnaphthalene
Concen: 2.900 ng
RT: 8.87 min Scan# 1154
Delta R.T. 0.01 min
Lab File: BF103322.D
Acq: 1 Mar 2018 4:44

Instrument :
BNA_F
ClientSampleId :
OR-03-022718-ADL

Tot Ion	Ratio	Lower	Upper
142	100		
141	80.5	70.8	106.2
115	31.6	26.1	39.1

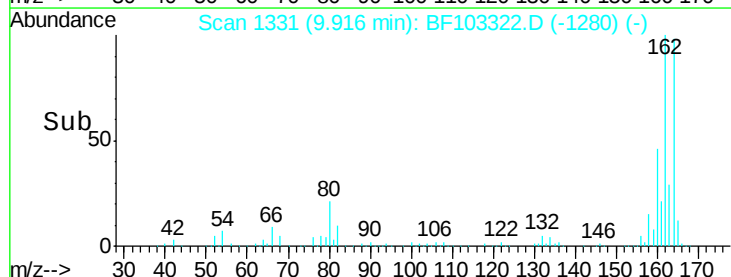
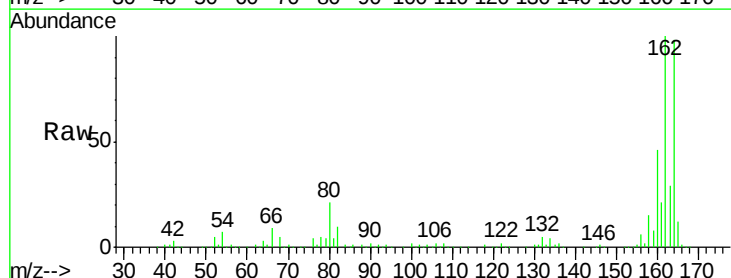
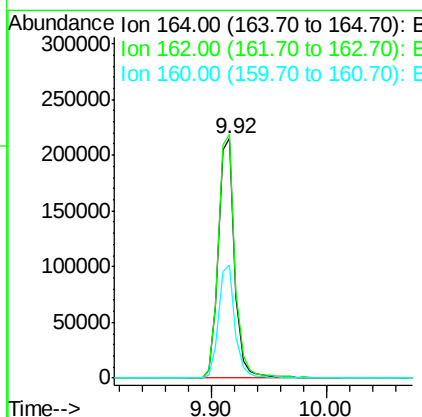
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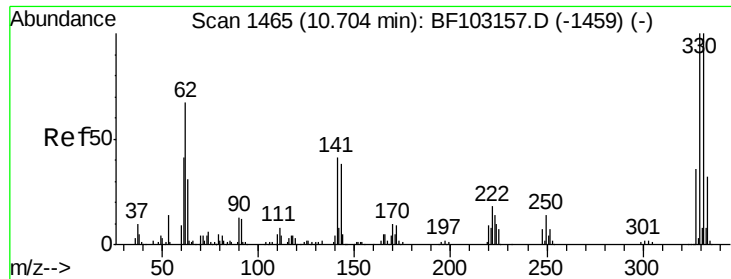
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#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.92 min Scan# 1331
Delta R.T. 0.00 min
Lab File: BF103322.D
Acq: 1 Mar 2018 4:44

Tgt Ion	Ratio	Lower	Upper
164	100		
162	101.8	86.1	129.1
160	47.1	38.3	57.5





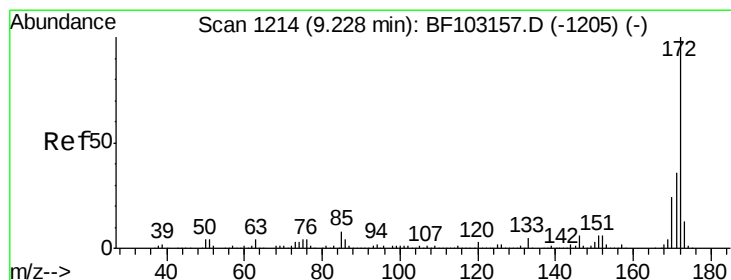
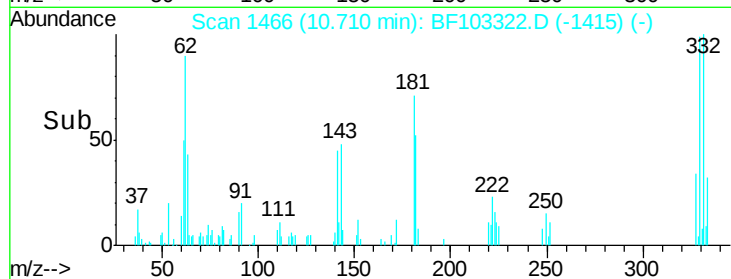
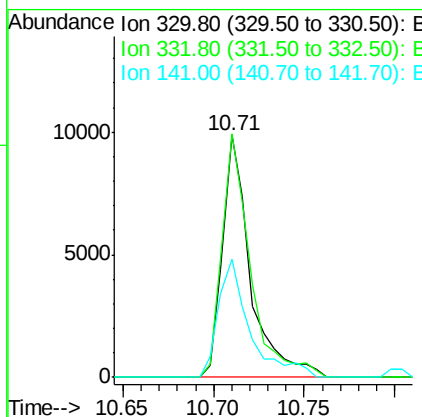
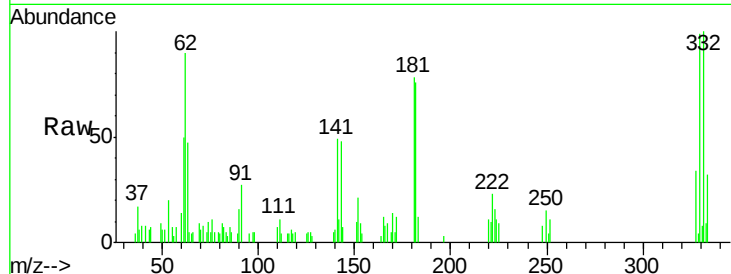
#41
 2,4,6-Tribromophenol
 Concen: 5.938 ng
 RT: 10.71 min Scan# 1466
 Delta R.T. 0.00 min
 Lab File: BF103322.D
 Acq: 1 Mar 2018 4:44

Instrument :
 BNA_F
 ClientSampleId :
 OR-03-022718-ADL

Tot Ion	Ratio	Resp	Lower	Upper
330	100			
332	102.0	77.0	115.6	
141	54.5	29.9	44.9	

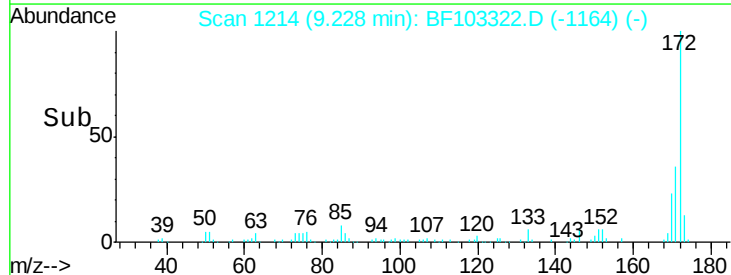
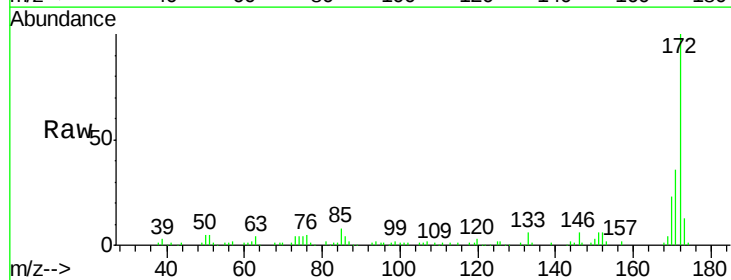
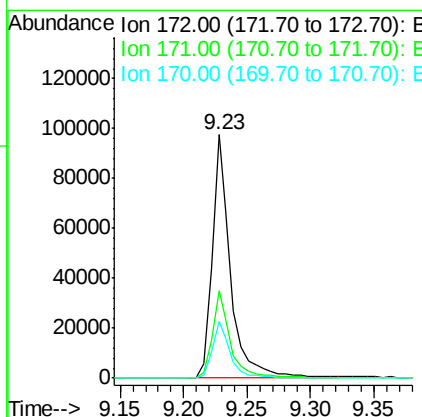
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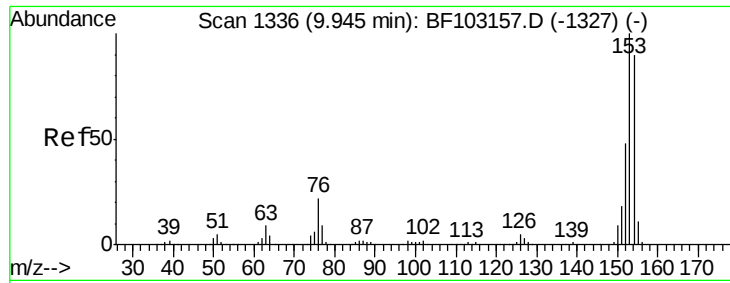
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#44
 2-Fluorobiphenyl
 Concen: 4.262 ng
 RT: 9.23 min Scan# 1214
 Delta R.T. -0.01 min
 Lab File: BF103322.D
 Acq: 1 Mar 2018 4:44

Tgt Ion	Ratio	Resp	Lower	Upper
172	100			
171	35.8	29.7	44.5	
170	23.1	19.6	29.4	





#51

Acenaphthene

Concen: 3.352 ng

RT: 9.95 min Scan# 1336

Delta R.T. -0.01 min

Lab File: BF103322.D

Acq: 1 Mar 2018 4:44

Instrument :

BNA_F

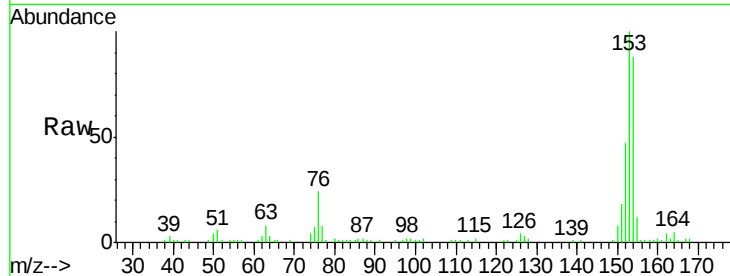
ClientSampleId :

OR-03-022718-ADL

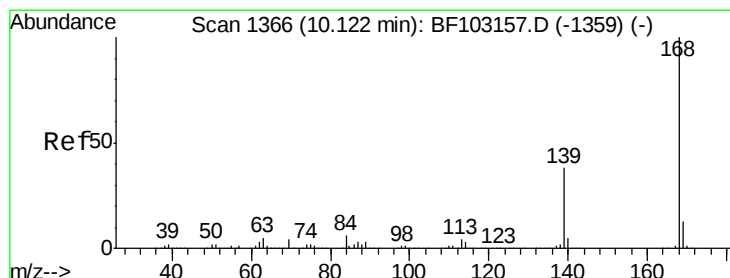
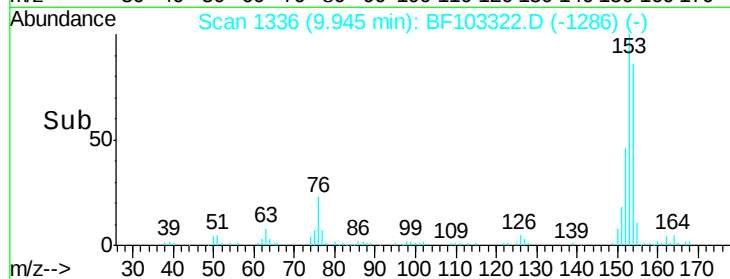
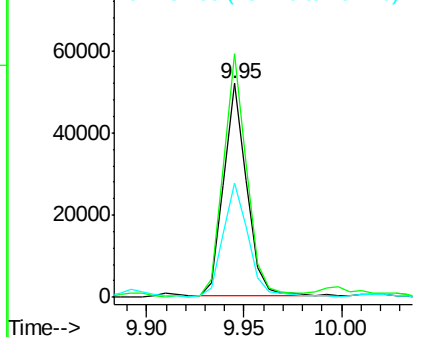
Tot Ion:	154	Resp:	42192
Ion Ratio	Lower	Upper	
154	100		
153	113.9	91.2	136.8
152	53.4	43.8	65.8

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Abundance Ion 154.00 (153.70 to 154.70): E
Ion 153.00 (152.70 to 153.70): E
Ion 152.00 (151.70 to 152.70): E



#54

Dibenzofuran

Concen: 2.224 ng

RT: 10.12 min Scan# 1366

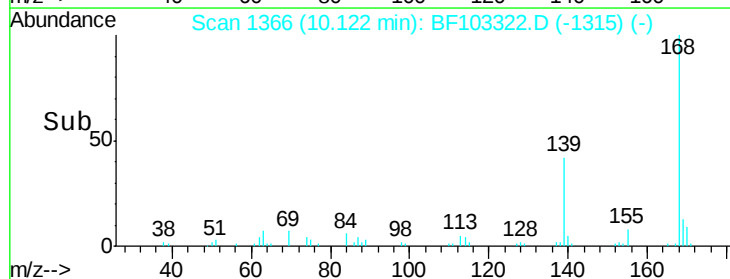
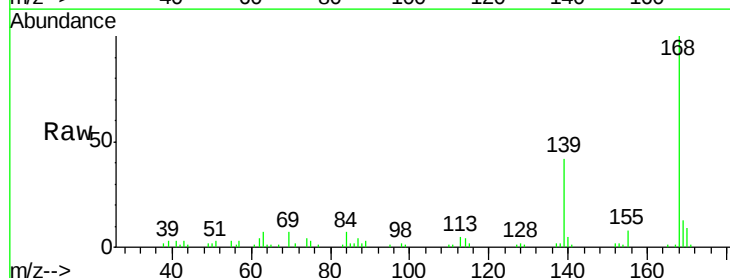
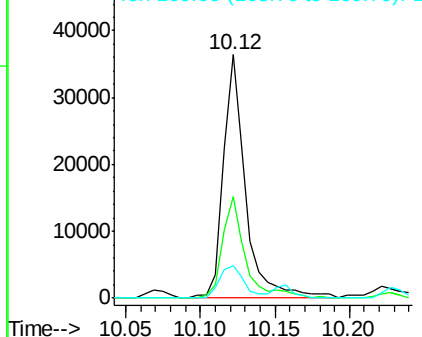
Delta R.T. 0.00 min

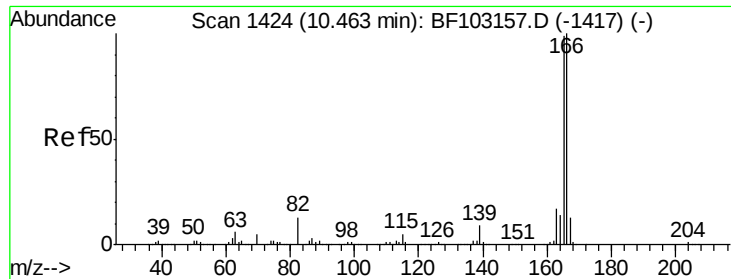
Lab File: BF103322.D

Acq: 1 Mar 2018 4:44

Tgt Ion:	168	Resp:	38429
Ion Ratio	Lower	Upper	
168	100		
139	41.6	30.1	45.1
169	13.4	10.9	16.3

Abundance Ion 168.00 (167.70 to 168.70): E
Ion 139.00 (138.70 to 139.70): E
Ion 169.00 (168.70 to 169.70): E





#57

Fluorene

Concen: 4.954 ng

RT: 10.46 min Scan# 1424

Delta R.T. -0.01 min

Lab File: BF103322.D

Acq: 1 Mar 2018 4:44

Instrument :

BNA_F

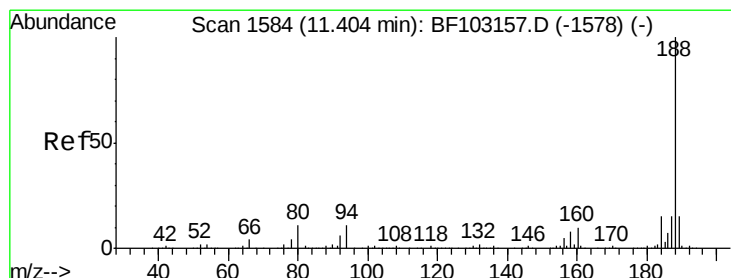
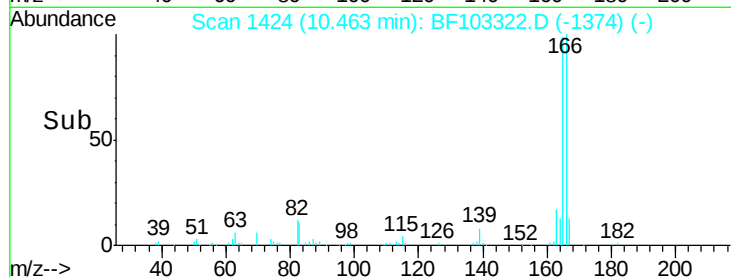
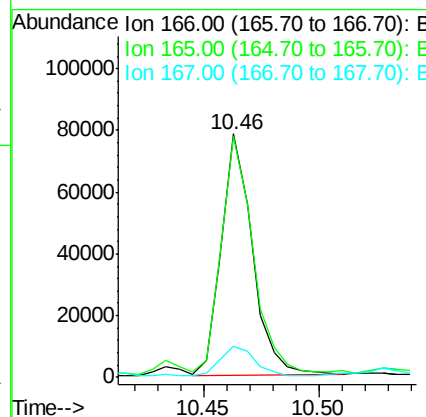
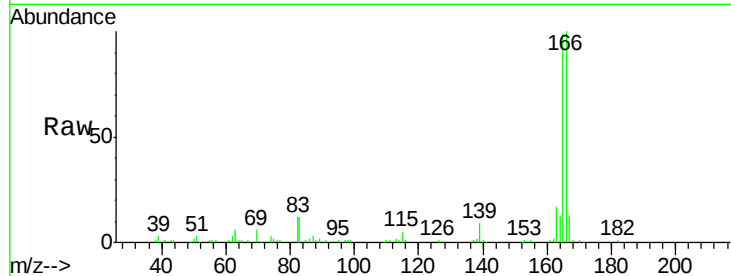
ClientSampleId :

OR-03-022718-ADL

Tot Ion:	166	Resp:	72913
Ion Ratio	Lower	Upper	
166	100		
165	99.2	79.8	119.8
167	12.6	10.6	16.0

Manual Integrations
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3/1/2018 11:43:49 AM



#63

Phenanthrene-d10

Concen: 20.000 ng

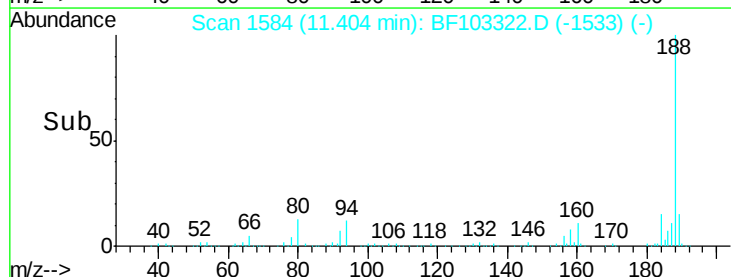
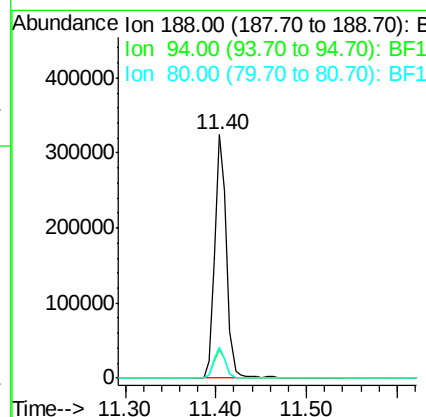
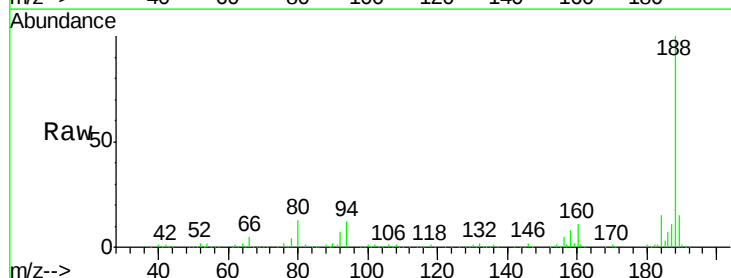
RT: 11.40 min Scan# 1584

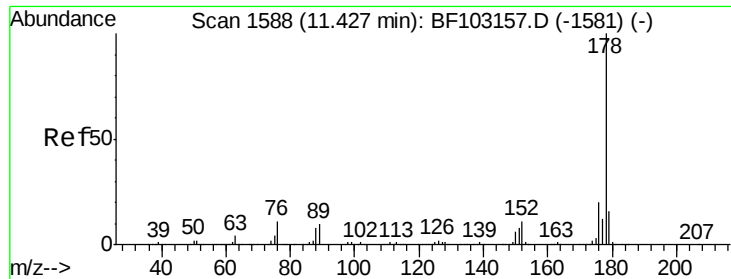
Delta R.T. 0.00 min

Lab File: BF103322.D

Acq: 1 Mar 2018 4:44

Tgt Ion:	188	Resp:	297875
Ion Ratio	Lower	Upper	
188	100		
94	11.6	8.5	12.7
80	12.8	9.2	13.8





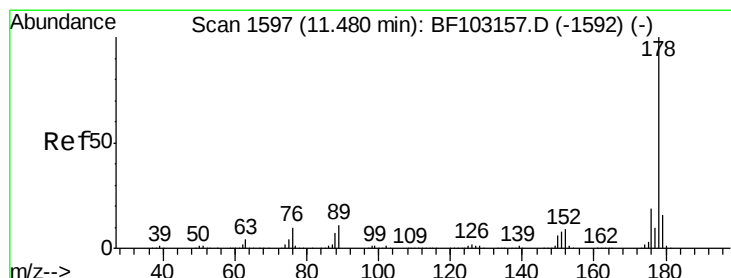
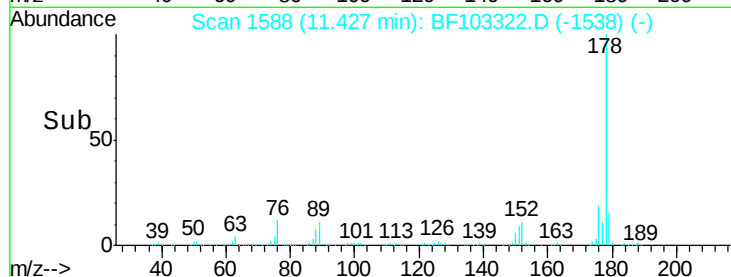
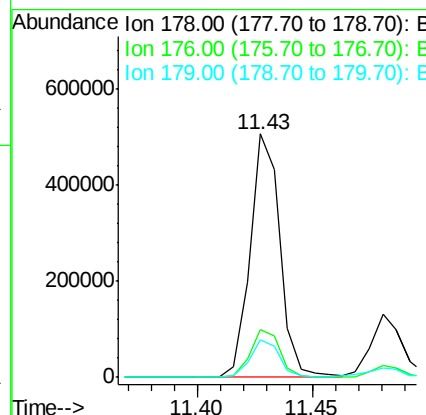
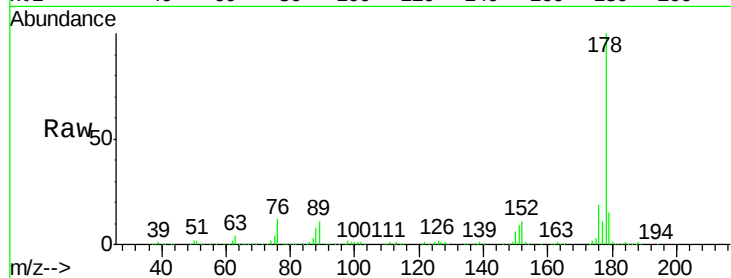
#70
Phenanthrene
Concen: 27.948 ng
RT: 11.43 min Scan# 1588
Delta R.T. -0.01 min
Lab File: BF103322.D
Acq: 1 Mar 2018 4:44

Instrument :
BNA_F
ClientSampleId :
OR-03-022718-ADL

Tot Ion	Ratio	Lower	Upper
178	100		
176	19.4	15.8	23.8
179	15.4	13.0	19.6

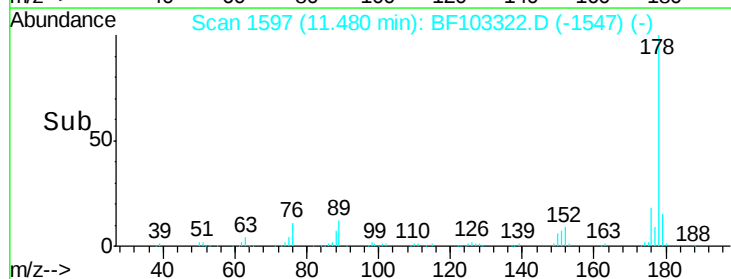
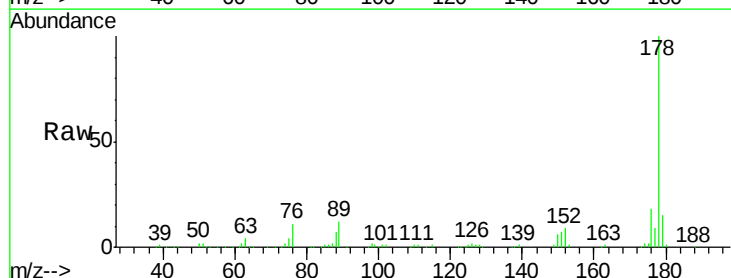
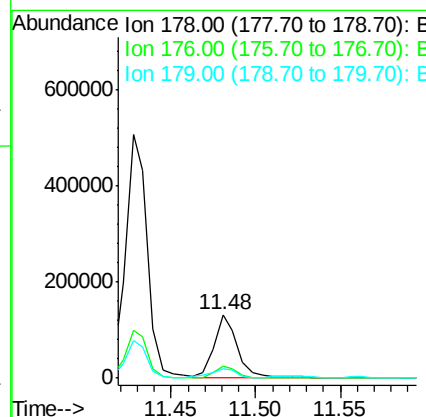
Manual Integrations
APPROVED

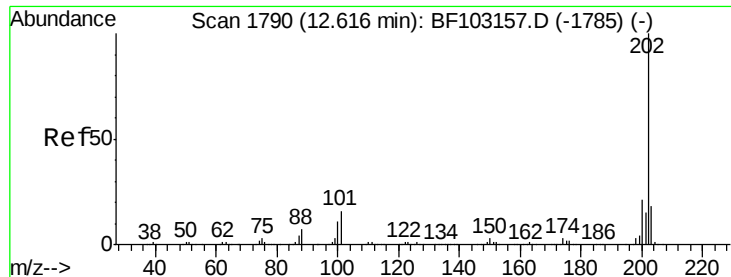
Sohil
3/1/2018 11:43:49 AM



#71
Anthracene
Concen: 7.464 ng
RT: 11.48 min Scan# 1597
Delta R.T. -0.01 min
Lab File: BF103322.D
Acq: 1 Mar 2018 4:44

Tgt Ion	Ratio	Lower	Upper
178	100		
176	18.0	15.4	23.2
179	15.1	12.6	19.0





#74

Fluoranthene

Concen: 27.133 ng

RT: 12.62 min Scan# 1791

Delta R.T. 0.00 min

Lab File: BF103322.D

Acq: 1 Mar 2018 4:44

Instrument :

BNA_F

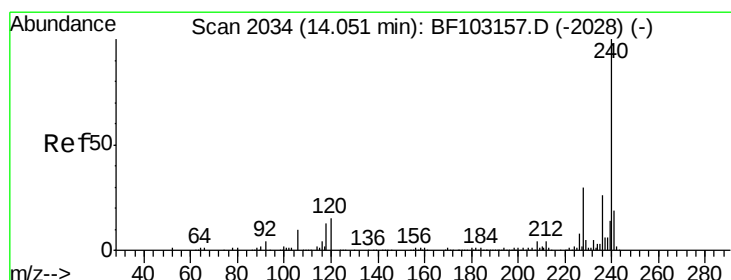
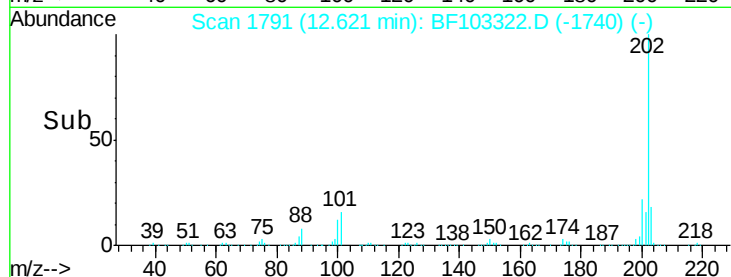
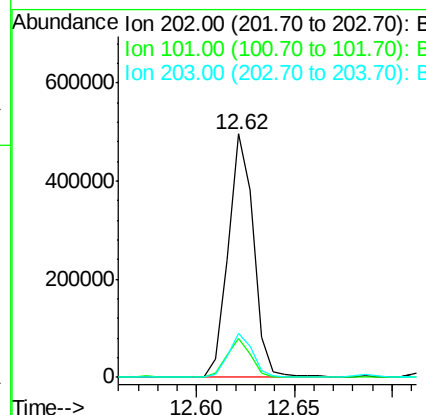
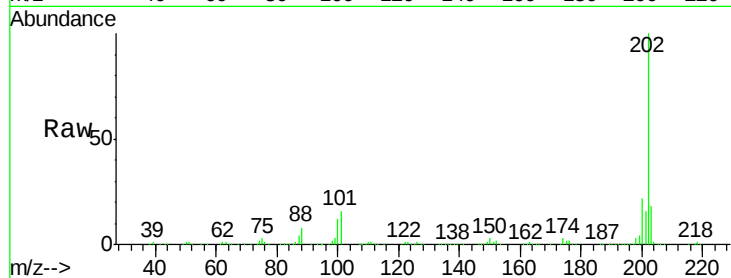
ClientSampleId :

OR-03-022718-ADL

Tot Ion:	202	Resp:	446963
Ion Ratio	Lower	Upper	
202	100		
101	15.9	0.0	34.1
203	18.2	0.0	38.1

Manual Integrations
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#75

Chrysene-d12

Concen: 20.000 ng

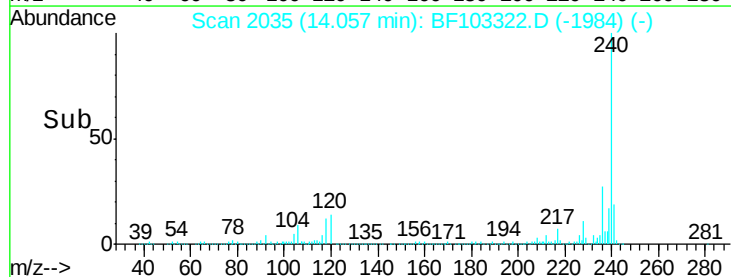
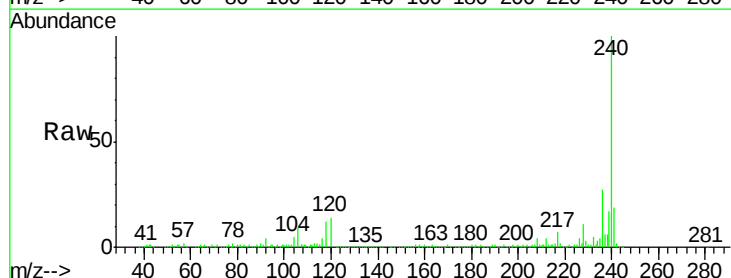
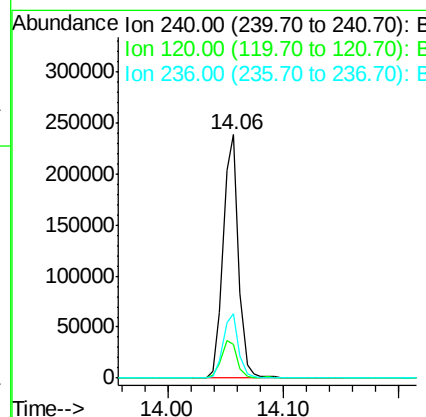
RT: 14.06 min Scan# 2035

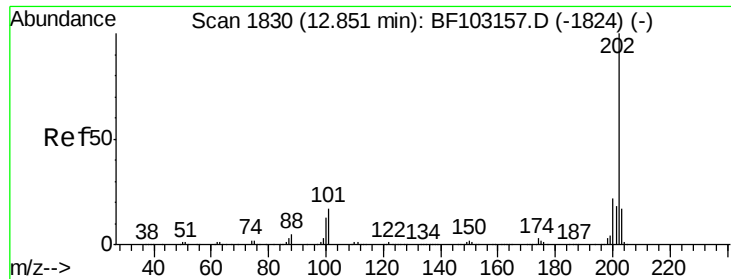
Delta R.T. 0.00 min

Lab File: BF103322.D

Acq: 1 Mar 2018 4:44

Tgt Ion:	240	Resp:	221316
Ion Ratio	Lower	Upper	
240	100		
120	13.8	9.5	14.3
236	26.7	20.7	31.1





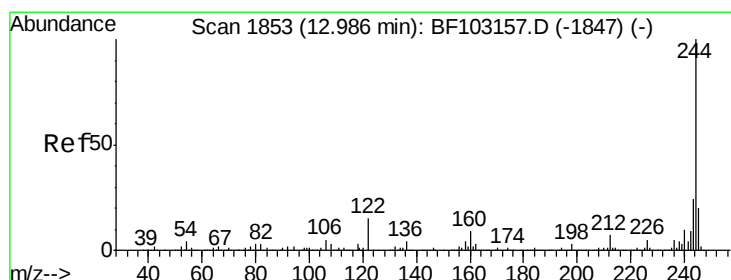
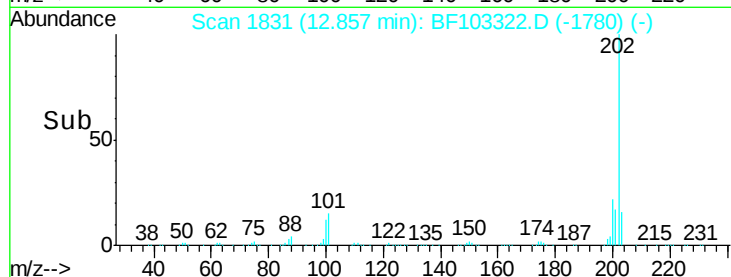
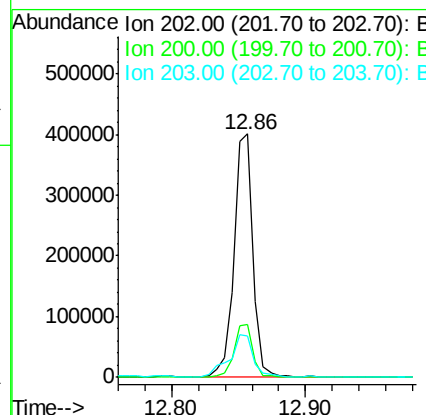
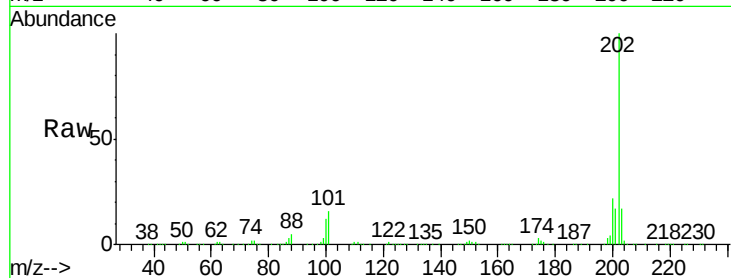
#77
Pvrene
Concen: 23.243 ng
RT: 12.86 min Scan# 1831
Delta R.T. 0.00 min
Lab File: BF103322.D
Acq: 1 Mar 2018 4:44

Instrument :
BNA_F
ClientSampleId :
OR-03-022718-ADL

Tot Ion	Ratio	Lower	Upper
202	100		
200	21.8	17.4	26.2
203	16.9	14.3	21.5

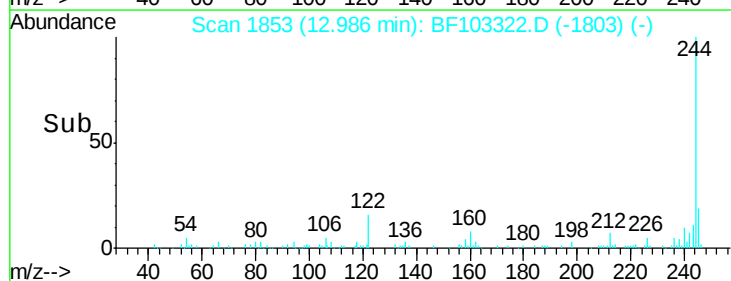
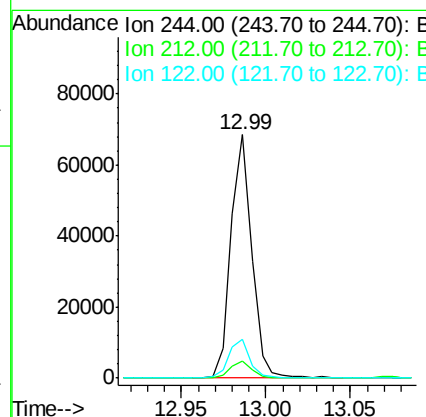
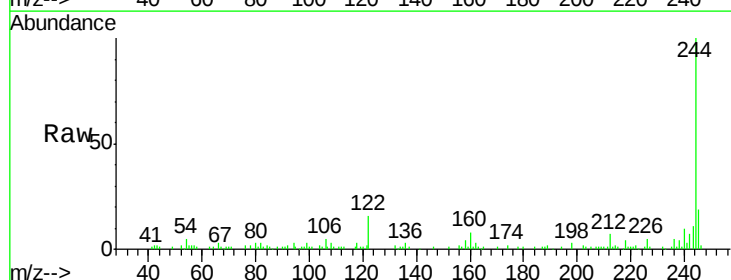
Manual Integrations
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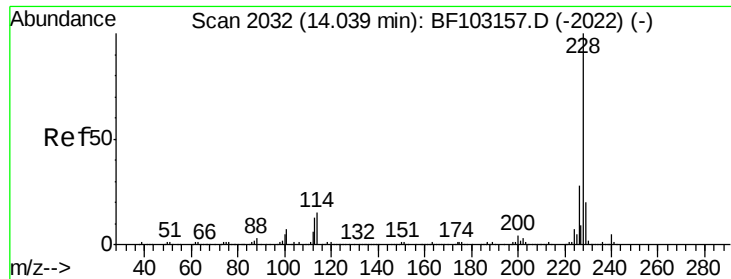
Sohil
3/1/2018 11:43:49 AM



#78
Terphenyl-d14
Concen: 6.380 ng
RT: 12.99 min Scan# 1853
Delta R.T. -0.01 min
Lab File: BF103322.D
Acq: 1 Mar 2018 4:44

Tgt Ion	Ratio	Lower	Upper
244	100		
212	6.9	5.4	8.0
122	16.1	11.0	16.4





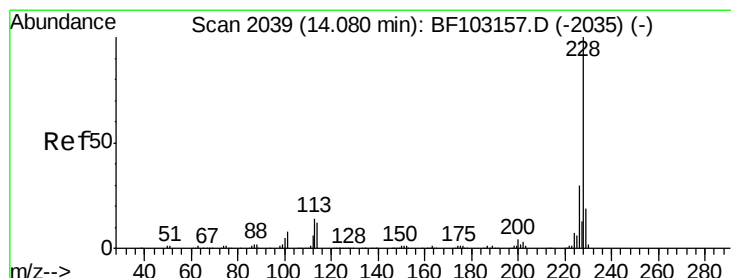
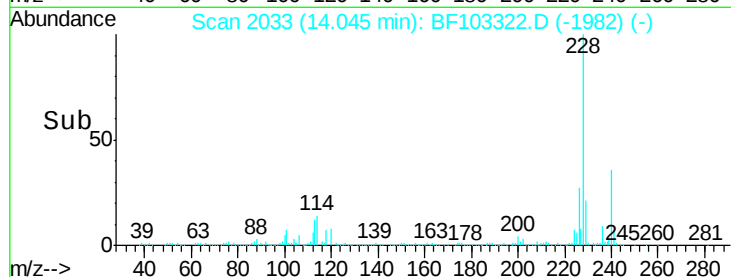
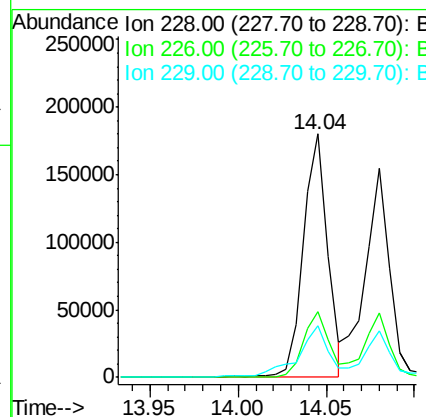
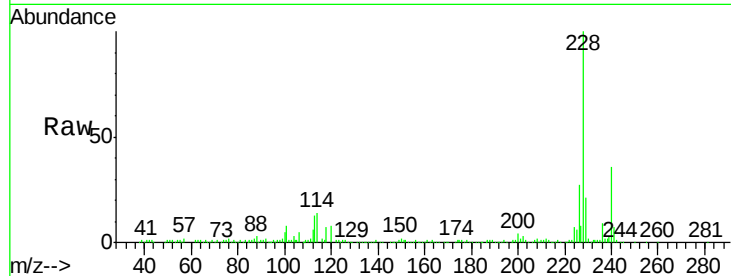
#80
Benzo(a)anthracene
Concen: 11.939 ng m
RT: 14.04 min Scan# 2033
Delta R.T. 0.00 min
Lab File: BF103322.D
Acq: 1 Mar 2018 4:44

Instrument :
BNA_F
ClientSampleId :
OR-03-022718-ADL

Tot Ion	Ratio	Lower	Upper
228	100		
226	27.1	22.6	33.8
229	21.0	15.8	23.6

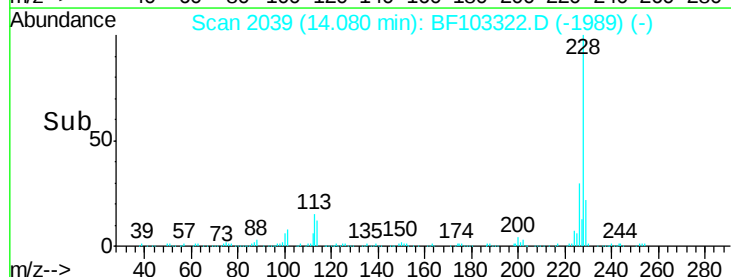
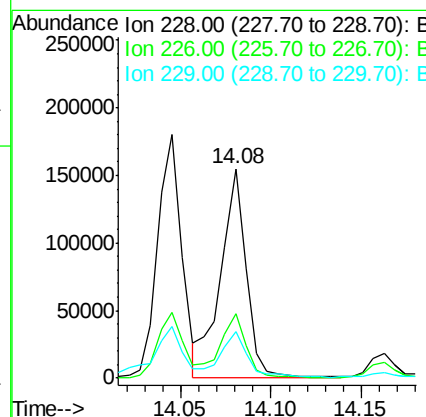
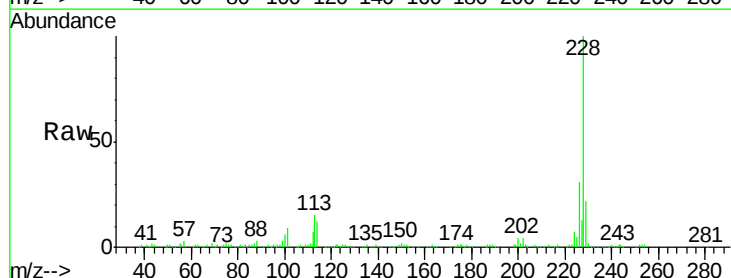
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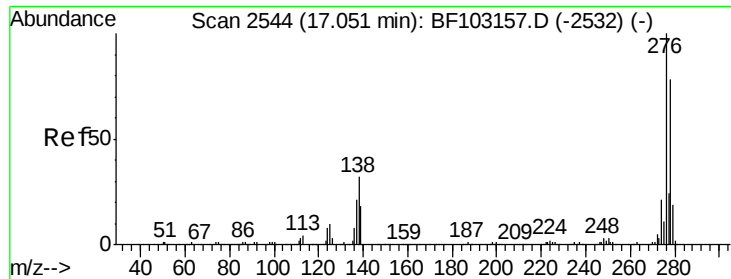
Sohil
3/1/2018 11:43:49 AM



#82
Chrysene
Concen: 10.987 ng m
RT: 14.08 min Scan# 2039
Delta R.T. -0.01 min
Lab File: BF103322.D
Acq: 1 Mar 2018 4:44

Tgt Ion	Ratio	Lower	Upper
228	100		
226	30.6	25.0	37.6
229	22.2	16.2	24.4





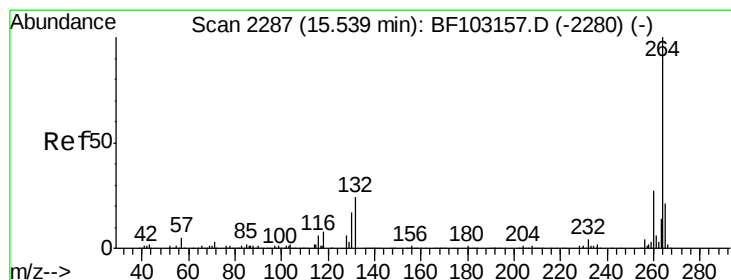
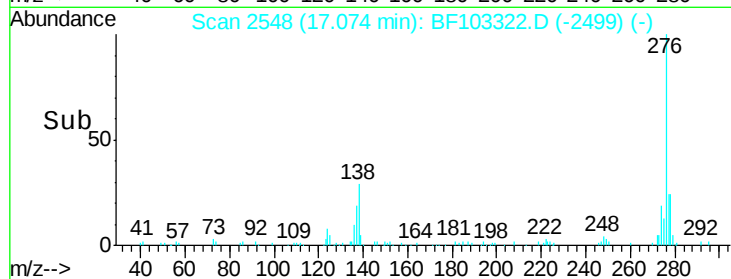
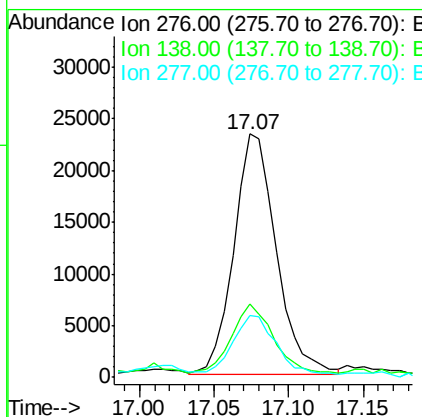
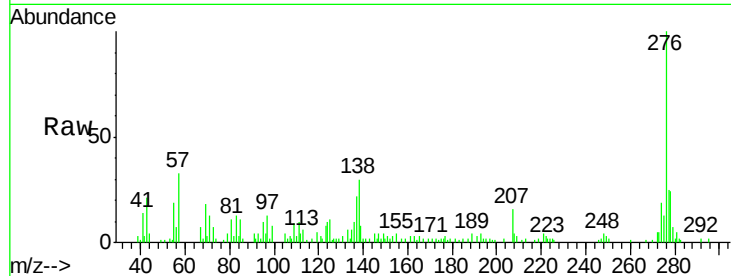
#85
Indeno(1,2,3-cd)pyrene
Concen: 4.169 ng
RT: 17.07 min Scan# 2548
Delta R.T. -0.01 min
Lab File: BF103322.D
Acq: 1 Mar 2018 4:44

Instrument :
BNA_F
ClientSampleId :
OR-03-022718-ADL

Tot Ion	Ratio	Lower	Upper
276	100		
138	30.3	25.0	37.6
277	24.4	20.1	30.1

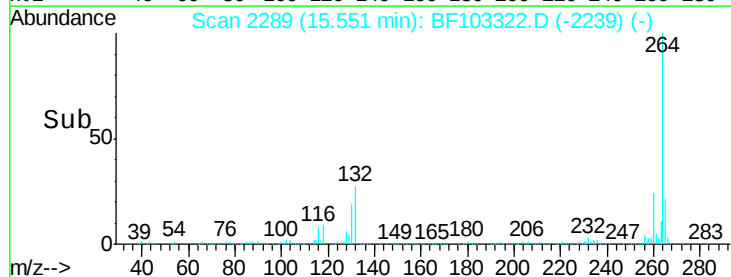
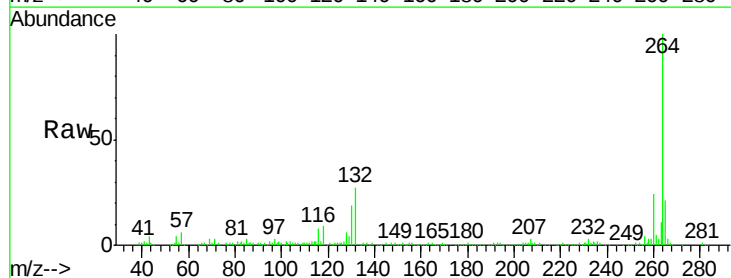
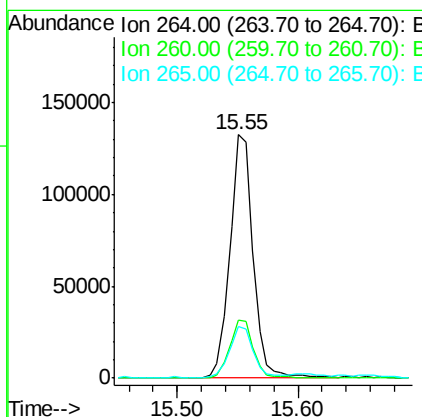
Manual Integrations
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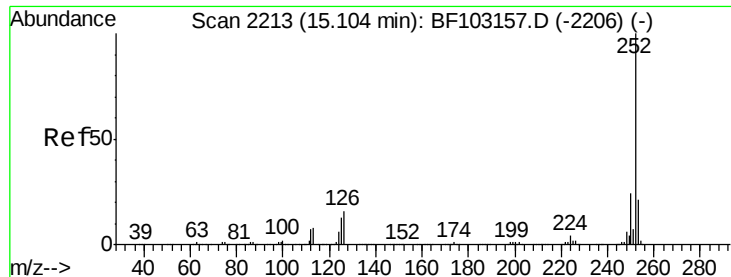
Sohil
3/1/2018 11:43:49 AM



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.55 min Scan# 2289
Delta R.T. -0.01 min
Lab File: BF103322.D
Acq: 1 Mar 2018 4:44

Tgt Ion	Ratio	Lower	Upper
264	100		
260	24.0	19.2	28.8
265	21.3	17.5	26.3





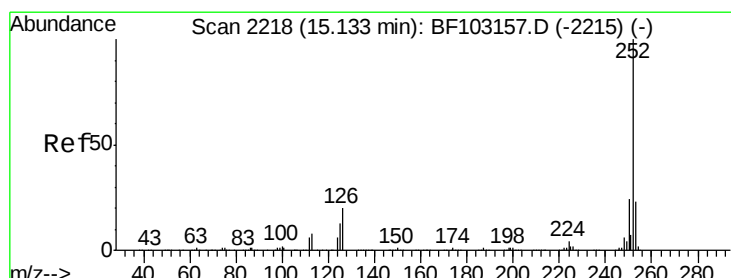
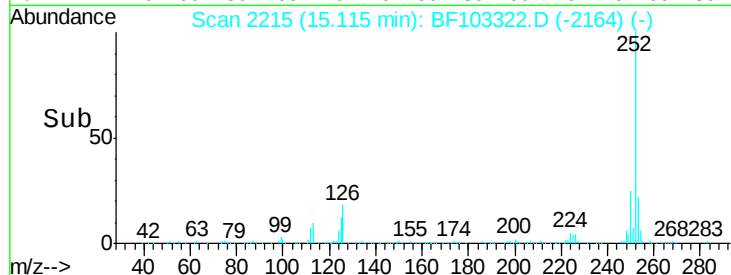
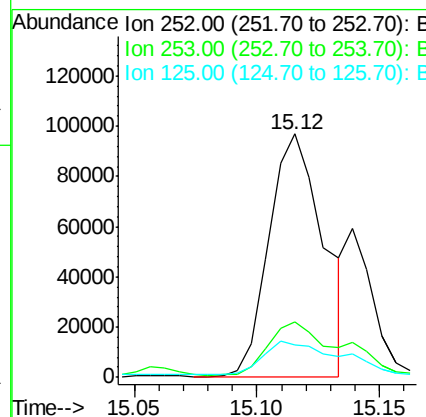
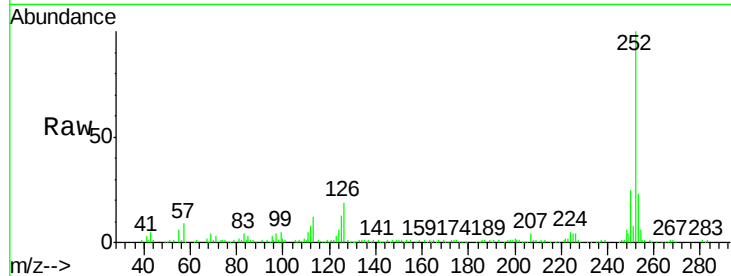
#87
Benzo(b)fluoranthene
Concen: 12.797 ng m
RT: 15.12 min Scan# 2215
Delta R.T. 0.00 min
Lab File: BF103322.D
Acq: 1 Mar 2018 4:44

Instrument :
BNA_F
ClientSampleId :
OR-03-022718-ADL

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.0	17.0	25.6
125	13.4	9.0	13.6

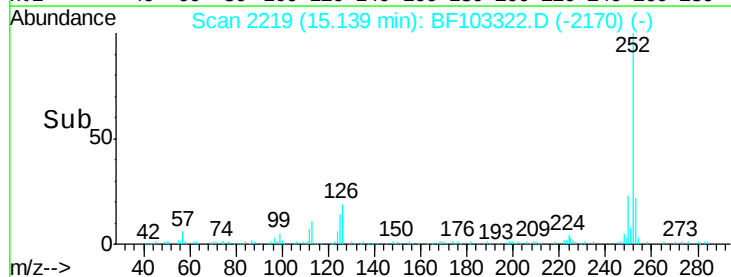
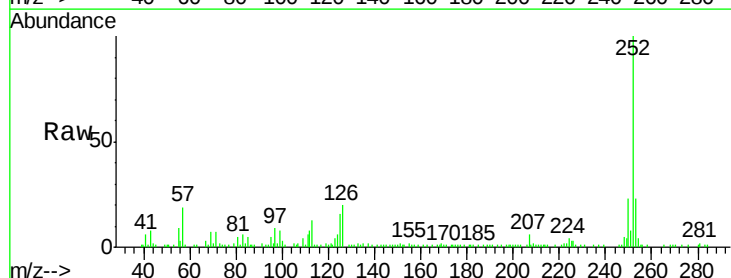
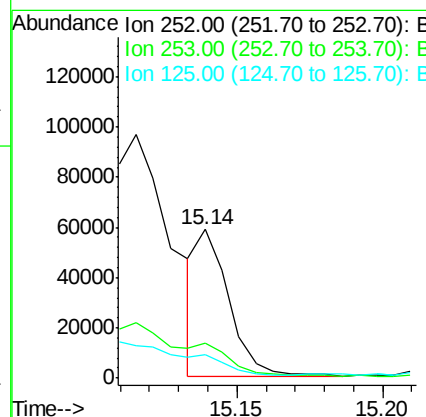
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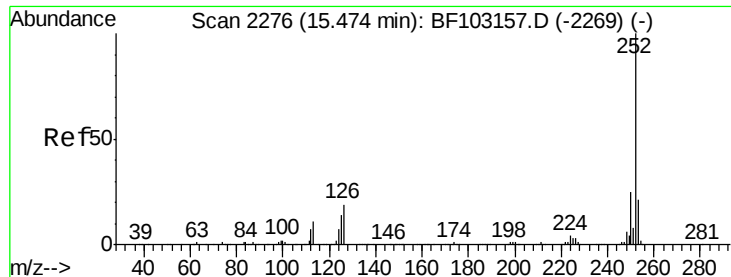
Sohil
3/1/2018 11:43:49 AM



#88
Benzo(k)fluoranthene
Concen: 4.090 ng m
RT: 15.14 min Scan# 2219
Delta R.T. -0.01 min
Lab File: BF103322.D
Acq: 1 Mar 2018 4:44

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.2	17.9	26.9
125	15.7	10.2	15.2#





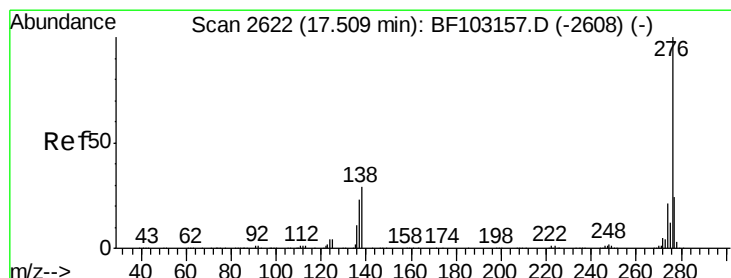
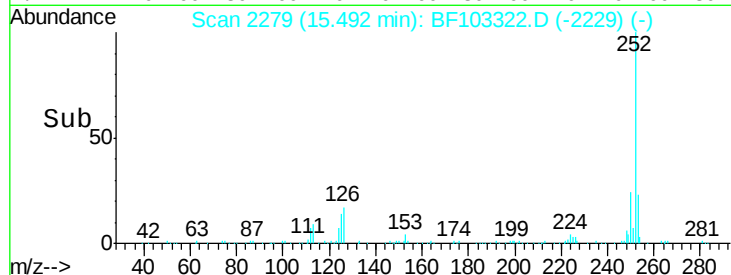
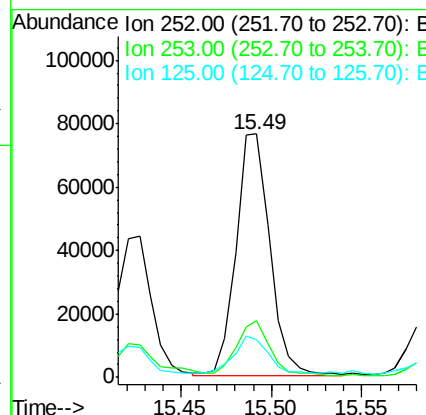
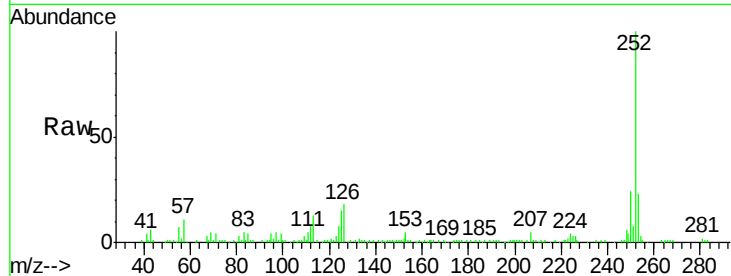
#89
Benzo(a)pyrene
Concen: 9.551 ng
RT: 15.49 min Scan# 2279
Delta R.T. -0.01 min
Lab File: BF103322.D
Acq: 1 Mar 2018 4:44

Instrument :
BNA_F
ClientSampleId :
OR-03-022718-ADL

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.4	17.1	25.7
125	15.5	9.8	14.6

Manual Integrations
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Sohil
3/1/2018 11:43:49 AM



#91
Benzo(g,h,i)perylene
Concen: 5.442 ng
RT: 17.54 min Scan# 2627
Delta R.T. 0.00 min
Lab File: BF103322.D
Acq: 1 Mar 2018 4:44

Tgt Ion	Ratio	Lower	Upper
276	100		
277	24.3	17.9	26.9
138	32.2	21.8	32.8

