

Data Path : \\74.0.250.170\SV0ASRV\HPCHEM1\BNA F\DATA\BF030818\
 Data File : BF103549.D
 Acq On : 9 Mar 2018 8:15
 Operator : SJ/JU
 Sample : J1823-03DL 2X
 Misc :
 ALS Vial : 37 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 MHB-WCBDL

Manual Integrations
 APPROVED

Sohil
 3/9/2018 11:39:50 AM

Quant Time: Mar 09 10:03:03 2018
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF022218.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Mar 08 14:20:19 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.86	152	126006	20.00	ng	0.00
21) Naphthalene-d8	8.15	136	508543	20.00	ng	0.00
38) Acenaphthene-d10	9.90	164	192340	20.00	ng	0.00
63) Phenanthrene-d10	11.40	188	290042	20.00	ng	0.00
75) Chrysene-d12	14.06	240	204954	20.00	ng	0.00
86) Perylene-d12	15.56	264	161741	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.49	112	280411	33.66	ng	0.00
7) Phenol-d6	6.50	99	395461	38.79	ng	0.00
23) Nitrobenzene-d5	7.43	82	239653	26.91	ng	0.00
41) 2,4,6-Tribromophenol	10.70	330	42033	25.82	ng	0.00
44) 2-Fluorobiphenyl	9.22	172	341011	24.78	ng	0.00
78) Terphenyl-d14	12.98	244	232465	27.27	ng	0.00
Target Compounds						Qvalue
31) Naphthalene	8.17	128	221865	8.911	ng	99
37) 2-Methylnaphthalene	8.87	142	58727	3.650	ng	93
51) Acenaphthene	9.93	154	109034	9.531	ng	98
54) Dibenzofuran	10.12	168	131859	8.397	ng	97
57) Fluorene	10.46	166	187034	13.981	ng	100
70) Phenanthrene	11.43	178	985741	61.756	ng	99
71) Anthracene	11.48	178	346060	21.143	ng	98
72) Carbazole	11.64	167	176128	10.806	ng	99
73) Di-n-butylphthalate	11.95	149	84586	4.147	ng	100
74) Fluoranthene	12.62	202	893290	55.692	ng	99
77) Pyrene	12.85	202	746568	46.720	ng	99
80) Benzo(a)anthracene	14.04	228	374728	28.179	ng	98
82) Chrysene	14.08	228	321962	24.935	ng	98
85) Indeno(1,2,3-cd)pyrene	17.11	276	85565	8.370	ng	97
87) Benzo(b)fluoranthene	15.12	252	268805m	25.277	ng	
88) Benzo(k)fluoranthene	15.14	252	124795m	12.462	ng	
89) Benzo(a)pyrene	15.50	252	185378	19.521	ng	# 93
90) Dibenzo(a,h)anthracene	17.10	278	24636	3.357	ng	# 79
91) Benzo(a,h,i)perylene	17.57	276	72421	10.098	ng	91

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

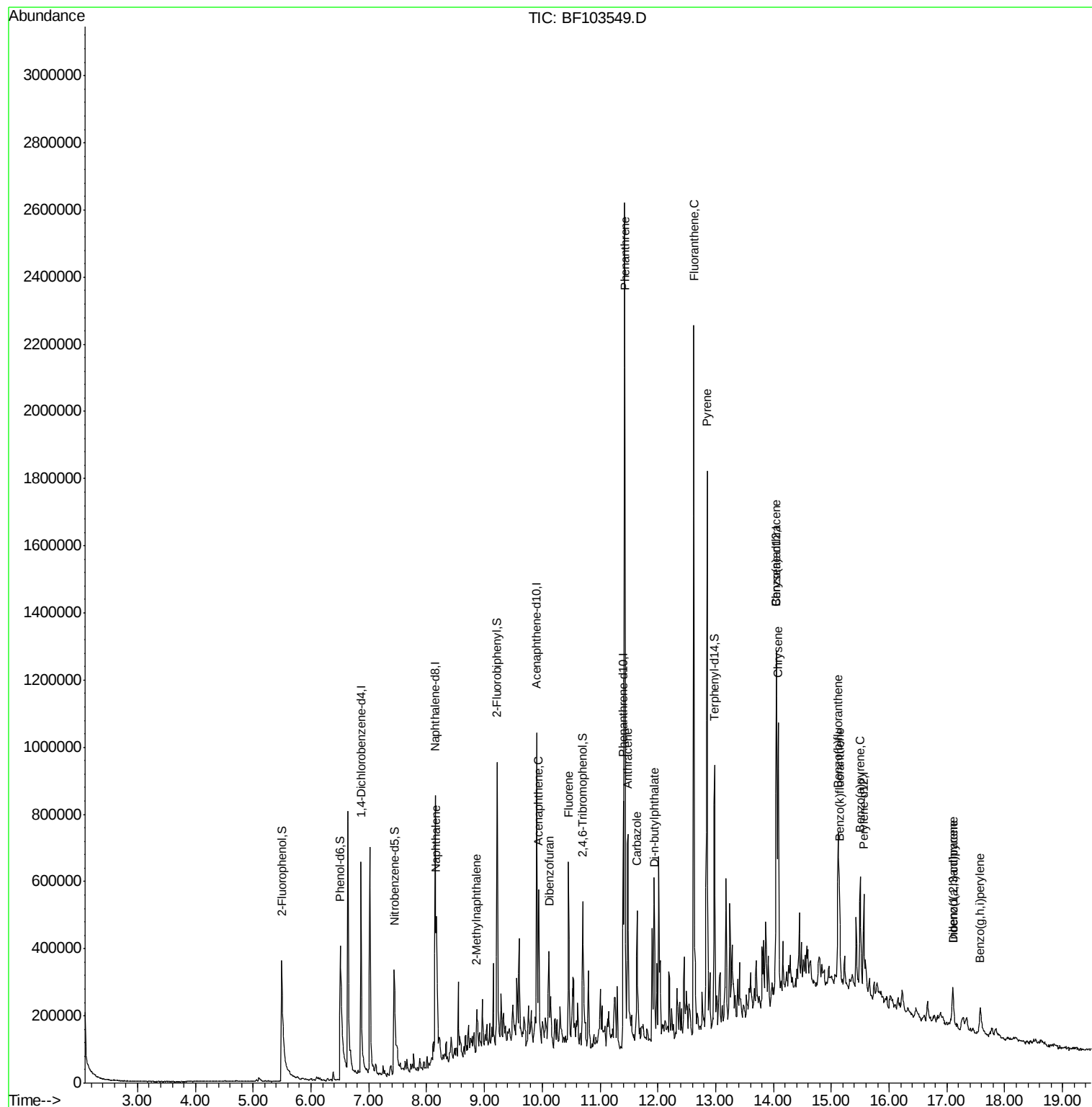
Data Path : \\74.0.250.170\SVOASRV\HPCHEM1\BNA F\DATA\BF030818\
Data File : BF103549.D
Acq On : 9 Mar 2018 8:15
Operator : SJ/JU
Sample : J1823-03DL 2X
Misc :
ALS Vial : 37 Sample Multiplier: 1

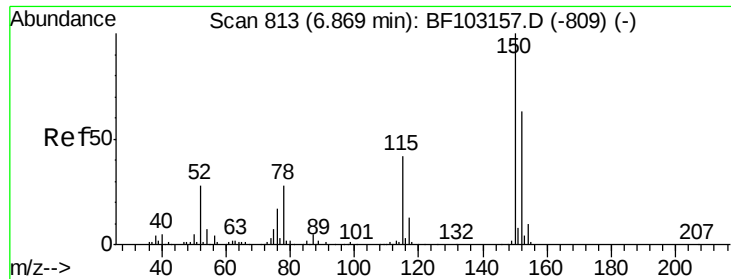
Instrument :
BNA_F
ClientSampleId :
MHB-WCBDL

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3/9/2018 11:39:50 AM

Quant Time: Mar 09 10:03:03 2018
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF022218.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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#1

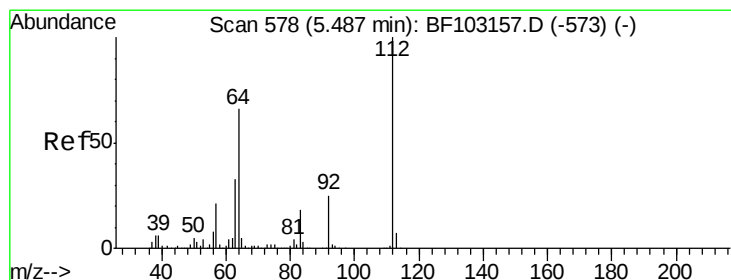
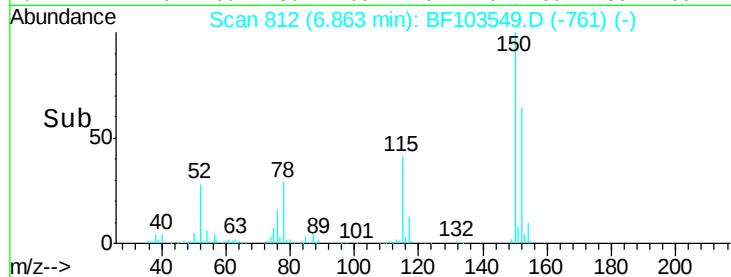
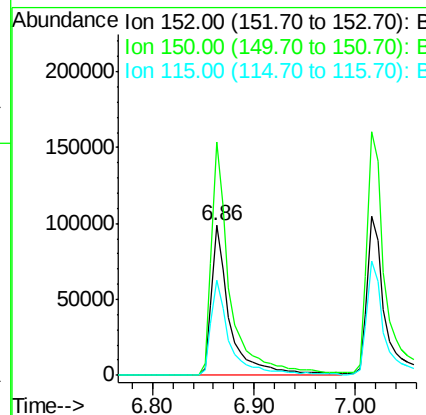
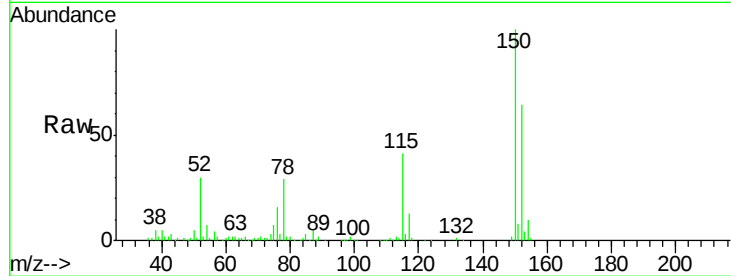
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.86 min Scan# 812
Delta R.T. 0.00 min
Lab File: BF103549.D
Acq: 9 Mar 2018 8:15

Instrument :
BNA_F
ClientSampleId :
MHB-WCBDL

Tot Ion	Ratio	Lower	Upper
152	100		
150	155.5	124.6	186.8
115	63.7	50.1	75.1

Manual Integrations
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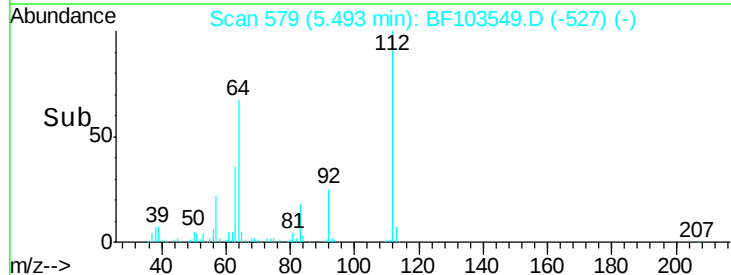
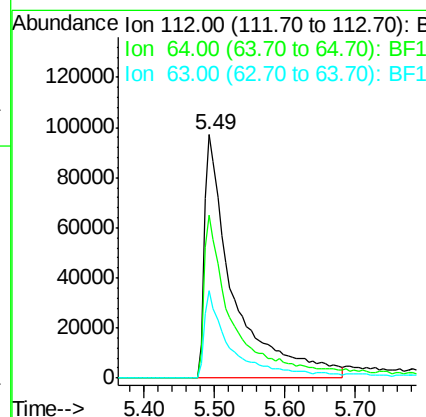
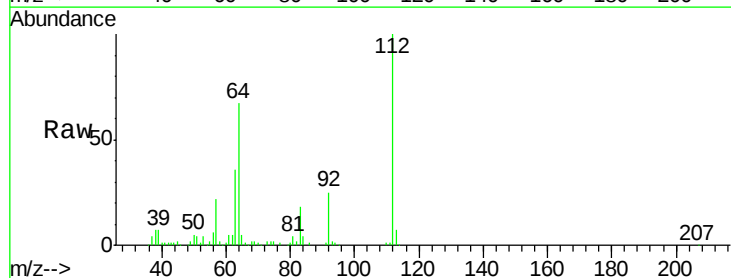
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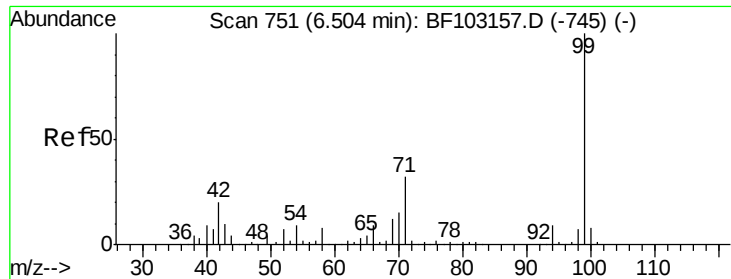


#5

2-Fluorophenol
Concen: 33.657 ng
RT: 5.49 min Scan# 579
Delta R.T. 0.01 min
Lab File: BF103549.D
Acq: 9 Mar 2018 8:15

Tgt Ion	Ratio	Lower	Upper
112	100		
64	67.2	47.9	71.9
63	35.7	23.7	35.5





#7

Phenol-d6

Concen: 38.791 ng

RT: 6.50 min Scan# 751

Delta R.T. 0.00 min

Lab File: BF103549.D

Acq: 9 Mar 2018 8:15

Instrument :

BNA_F

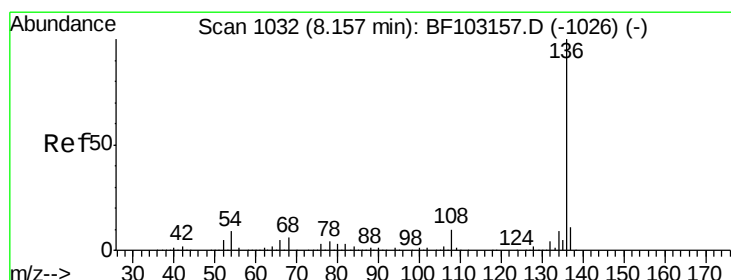
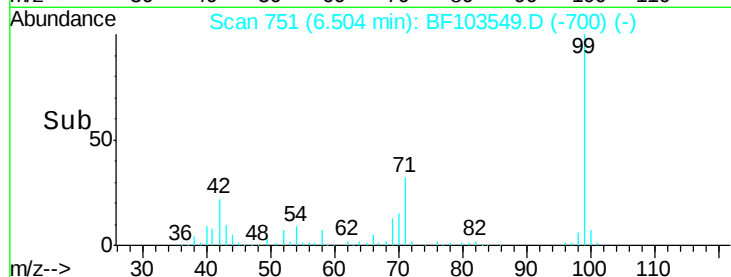
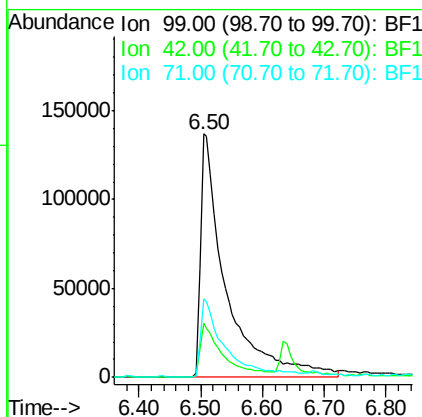
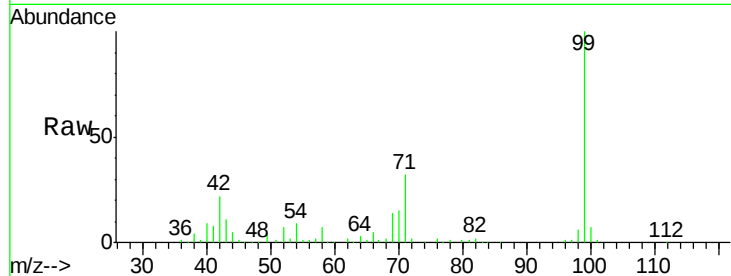
ClientSampleId :

MHB-WCBDL

Tot Ion:	99	Resp:	395461
Ion Ratio	Lower	Upper	
99	100		
42	22.1	14.5	21.7#
71	32.4	25.4	38.0

Manual Integrations
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#21

Naphthalene-d8

Concen: 20.000 ng

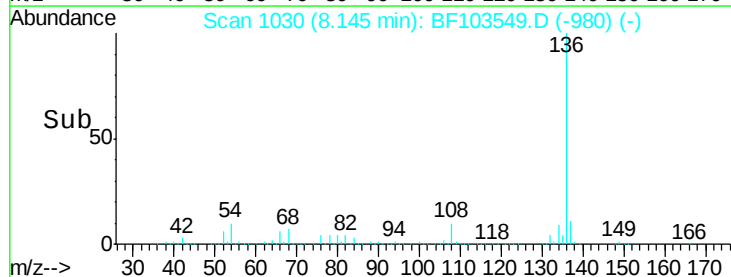
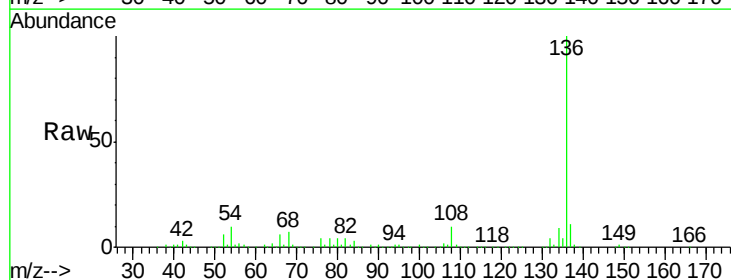
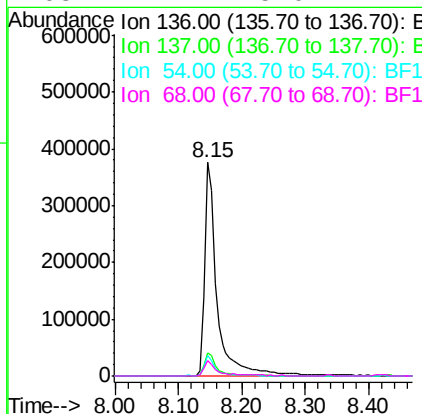
RT: 8.15 min Scan# 1030

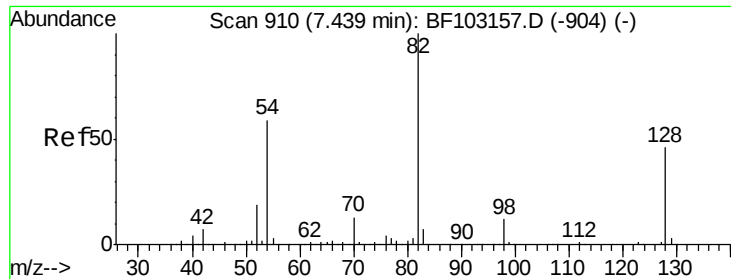
Delta R.T. -0.01 min

Lab File: BF103549.D

Acq: 9 Mar 2018 8:15

Tgt Ion:	136	Resp:	508543
Ion Ratio	Lower	Upper	
136	100		
137	10.8	8.9	13.3
54	9.8	6.6	9.8
68	7.1	5.0	7.4





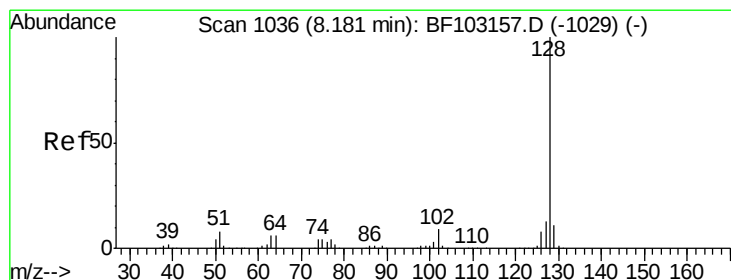
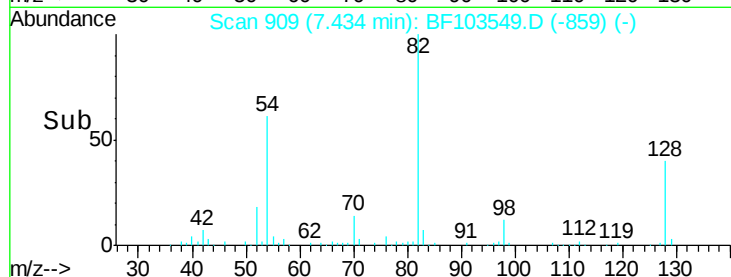
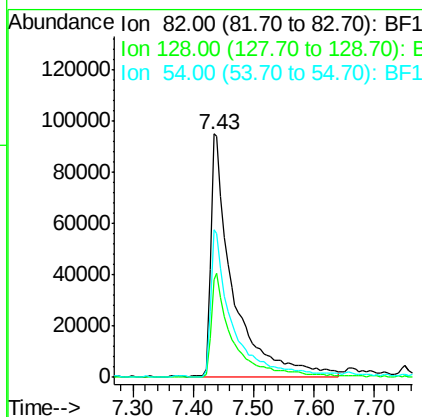
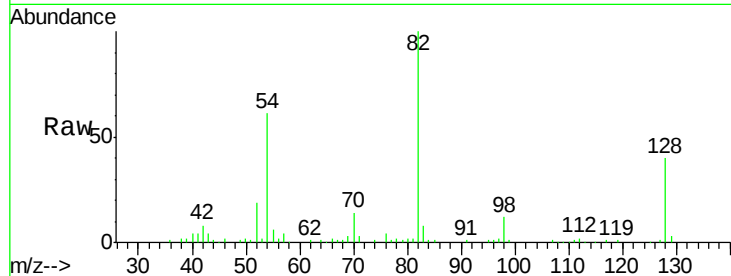
#23
Nitrobenzene-d5
Concen: 26.913 ng
RT: 7.43 min Scan# 909
Delta R.T. -0.01 min
Lab File: BF103549.D
Acq: 9 Mar 2018 8:15

Instrument :
BNA_F
ClientSampleId :
MHB-WCBDL

Tot Ion	Ratio	Lower	Upper
82	100		
128	40.1	36.1	54.1
54	60.7	41.4	62.2

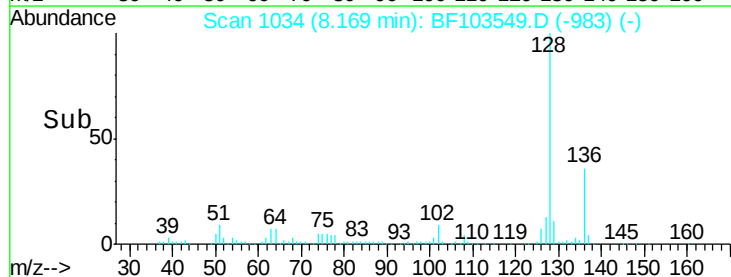
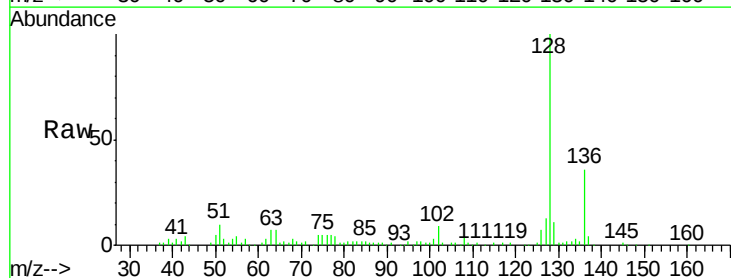
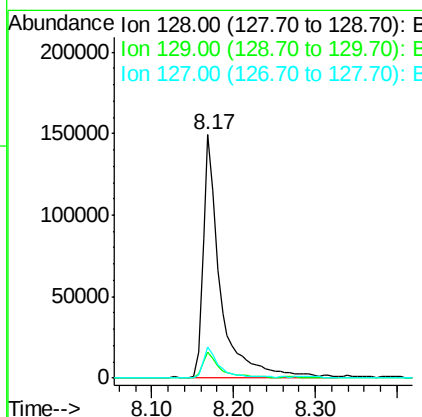
Manual Integrations
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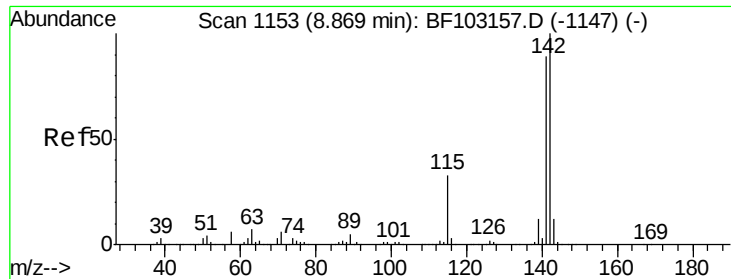
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#31
Naphthalene
Concen: 8.911 ng
RT: 8.17 min Scan# 1034
Delta R.T. 0.00 min
Lab File: BF103549.D
Acq: 9 Mar 2018 8:15

Tgt Ion	Ratio	Lower	Upper
128	100		
129	10.8	8.8	13.2
127	12.7	10.9	16.3





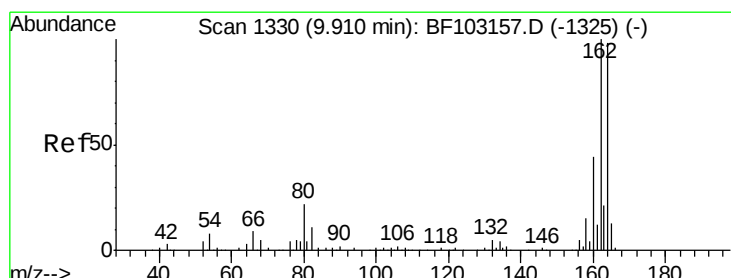
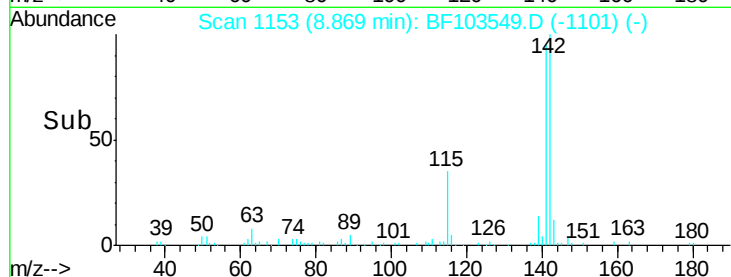
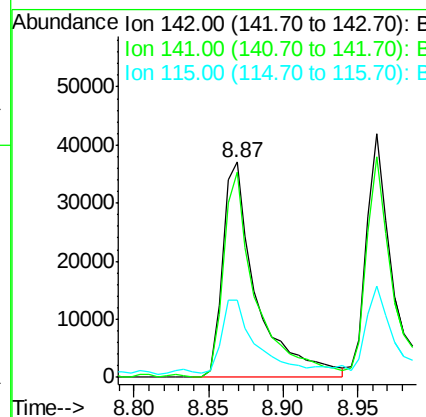
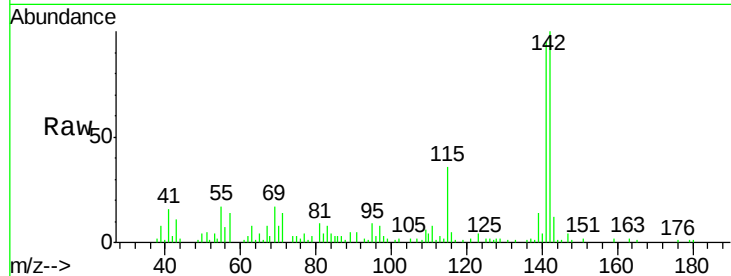
#37
2-Methylnaphthalene
Concen: 3.650 ng
RT: 8.87 min Scan# 1153
Delta R.T. 0.01 min
Lab File: BF103549.D
Acq: 9 Mar 2018 8:15

Instrument :
BNA_F
ClientSampleId :
MHB-WCBDL

Tot Ion	Ratio	Lower	Upper
142	100		
141	95.5	70.8	106.2
115	35.7	26.1	39.1

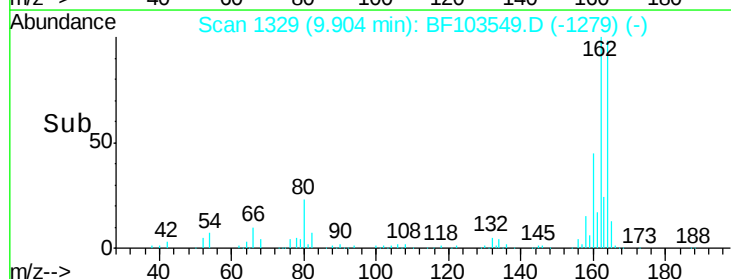
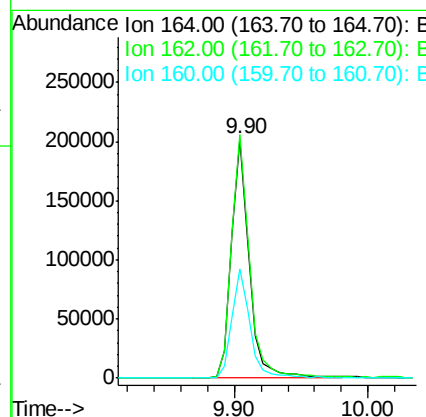
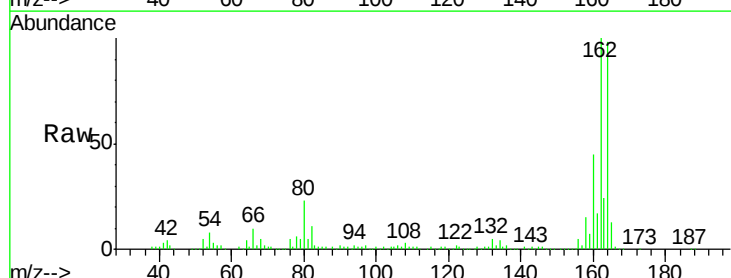
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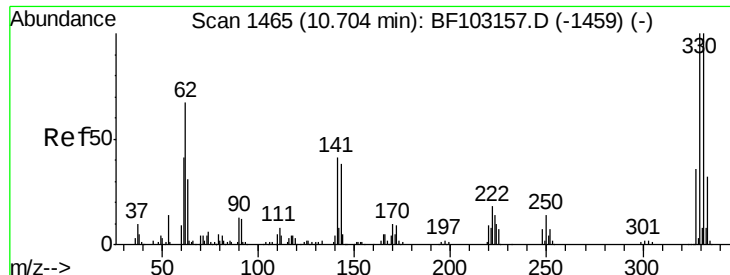
Sohil
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#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.90 min Scan# 1329
Delta R.T. -0.01 min
Lab File: BF103549.D
Acq: 9 Mar 2018 8:15

Tgt Ion	Ratio	Lower	Upper
164	100		
162	102.0	86.1	129.1
160	45.8	38.3	57.5





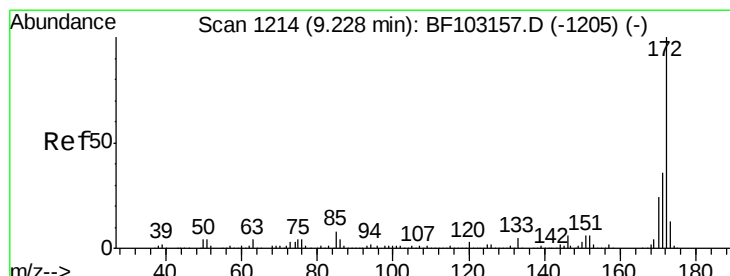
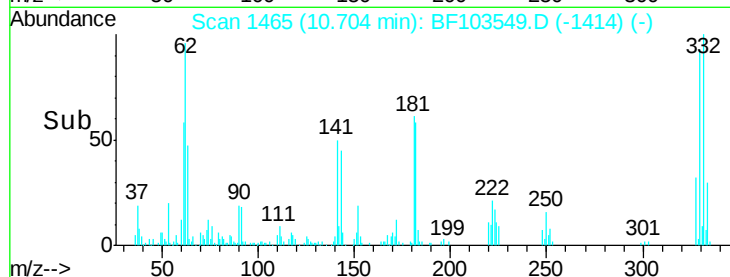
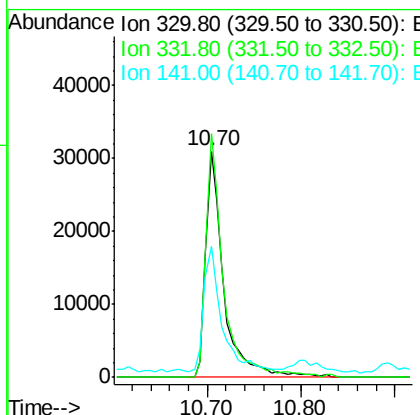
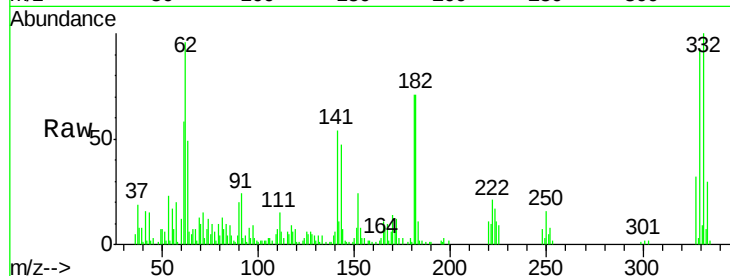
#41
 2,4,6-Tribromophenol
 Concen: 25.818 ng
 RT: 10.70 min Scan# 1465
 Delta R.T. 0.00 min
 Lab File: BF103549.D
 Acq: 9 Mar 2018 8:15

Instrument :
 BNA_F
 ClientSampleId :
 MHB-WCBDL

Tot Ion	Ratio	Lower	Upper
330	100		
332	103.8	77.0	115.6
141	53.9	29.9	44.9

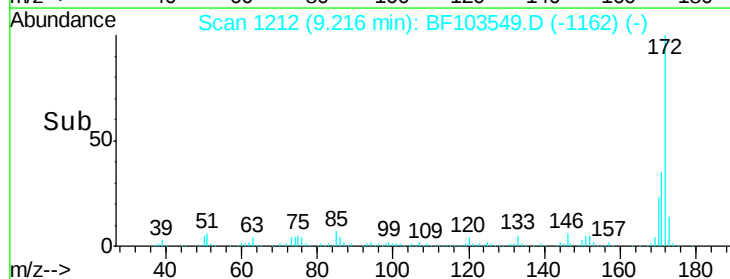
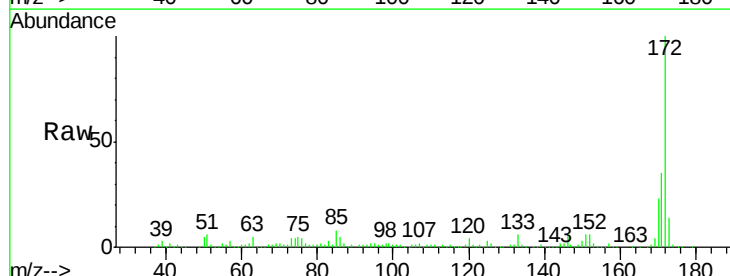
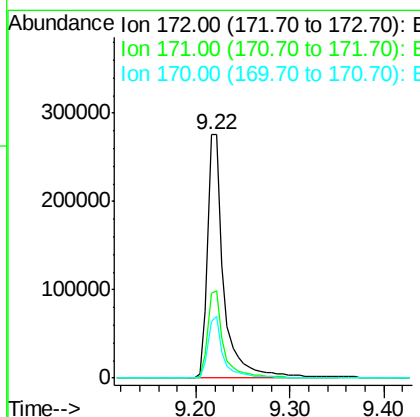
Manual Integrations
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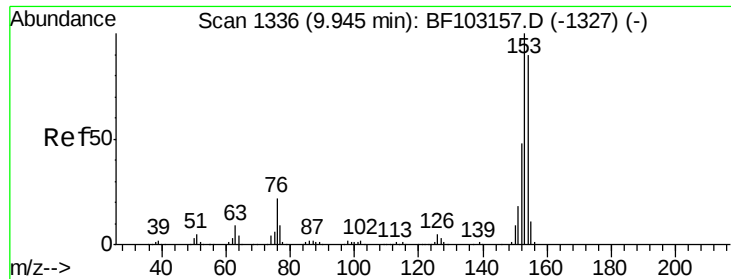
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#44
 2-Fluorobiphenyl
 Concen: 24.777 ng
 RT: 9.22 min Scan# 1212
 Delta R.T. -0.01 min
 Lab File: BF103549.D
 Acq: 9 Mar 2018 8:15

Tgt Ion	Ratio	Lower	Upper
172	100		
171	35.0	29.7	44.5
170	23.1	19.6	29.4





#51

Acenaphthene

Concen: 9.531 ng

RT: 9.93 min Scan# 1334

Delta R.T. -0.01 min

Lab File: BF103549.D

Acq: 9 Mar 2018 8:15

Instrument :

BNA_F

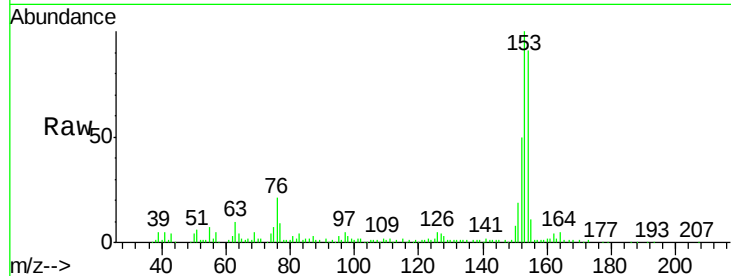
ClientSampled :

MHB-WCBDL

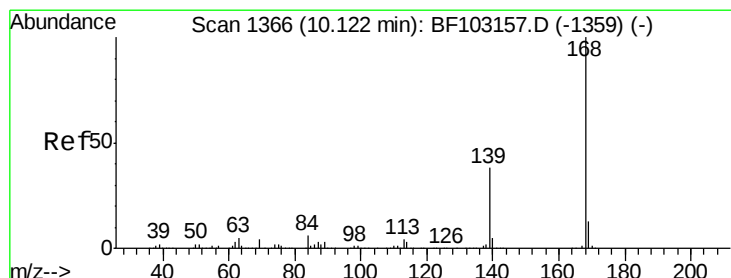
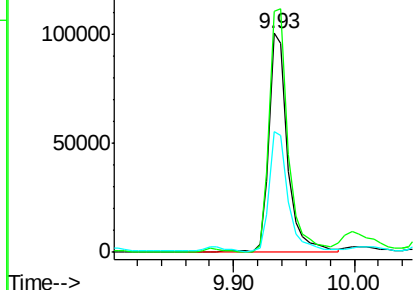
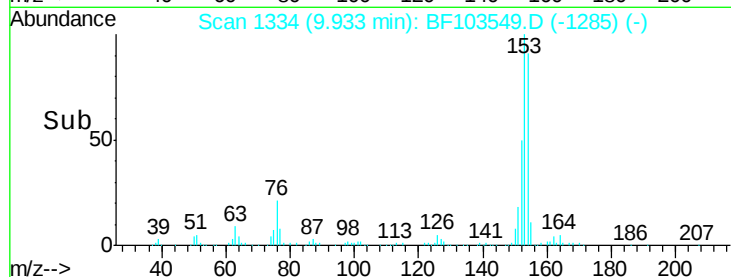
Tot Ion:	154	Resp:	109034
Ion Ratio	Lower	Upper	
154	100		
153	110.4	91.2	136.8
152	55.2	43.8	65.8

Manual Integrations
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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: 8.397 ng

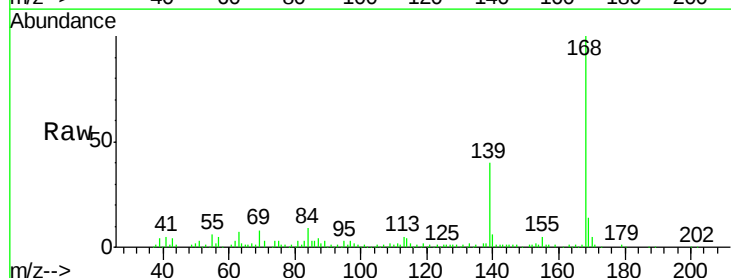
RT: 10.12 min Scan# 1365

Delta R.T. 0.00 min

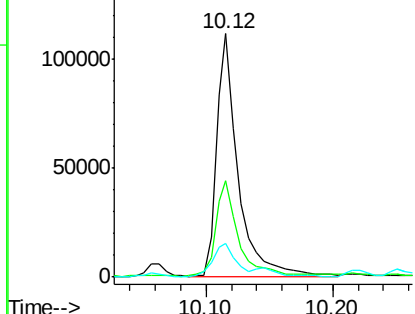
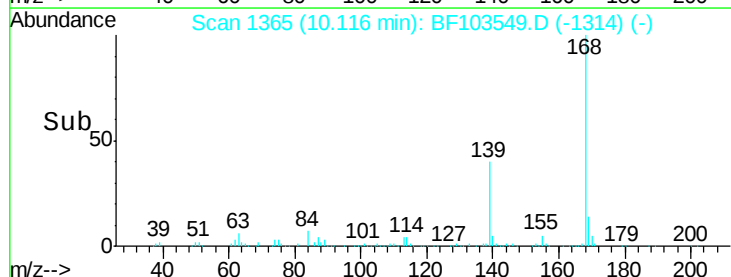
Lab File: BF103549.D

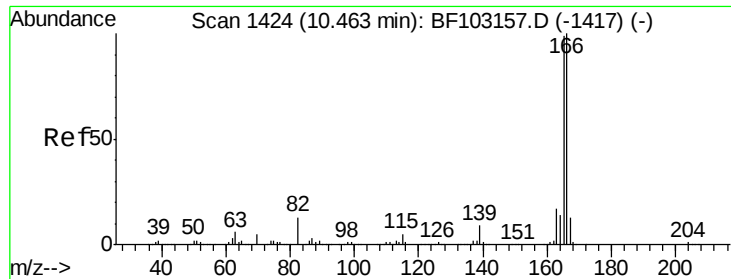
Acq: 9 Mar 2018 8:15

Tgt Ion:	168	Resp:	131859
Ion Ratio	Lower	Upper	
168	100		
139	39.7	30.1	45.1
169	13.8	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





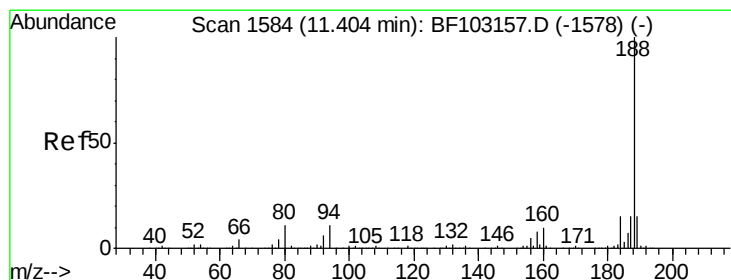
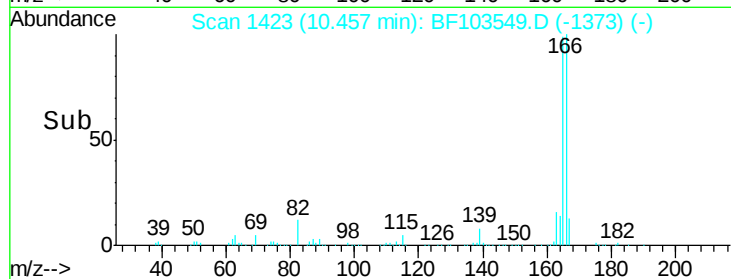
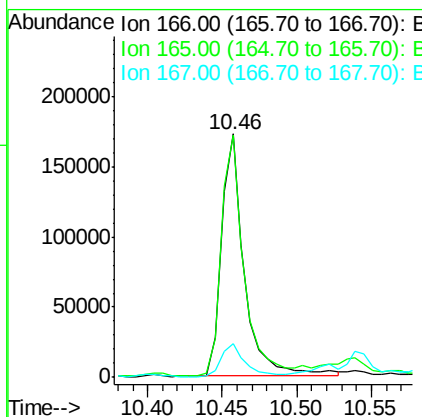
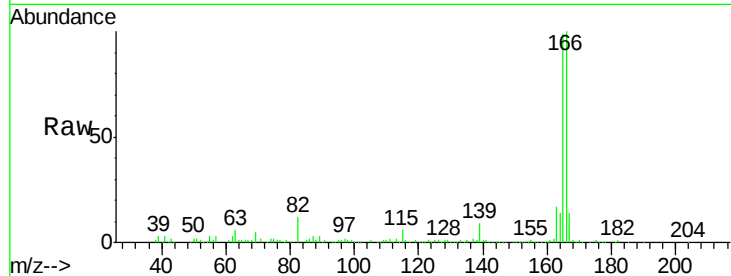
#57
Fluorene
 Concen: 13.981 ng
 RT: 10.46 min Scan# 1423
 Delta R.T. -0.01 min
 Lab File: BF103549.D
 Acq: 9 Mar 2018 8:15

Instrument :
 BNA_F
 ClientSampleId :
 MHB-WCBDL

Tot Ion	Ratio	Lower	Upper
166	100		
165	99.4	79.8	119.8
167	13.8	10.6	16.0

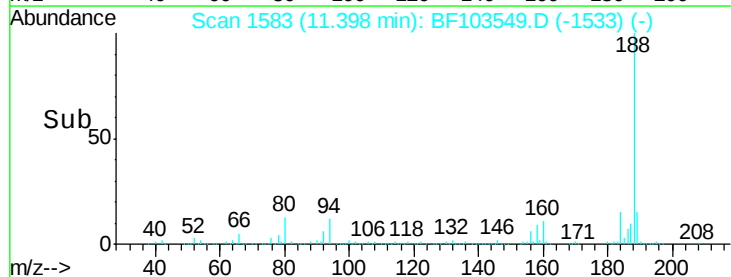
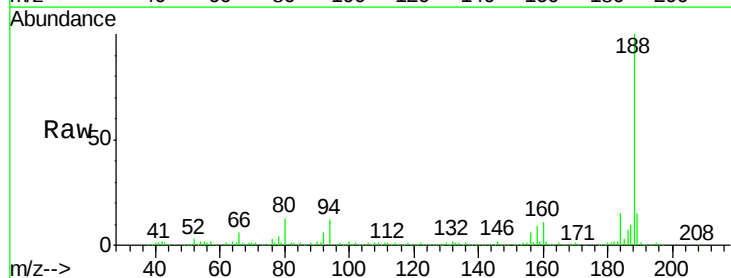
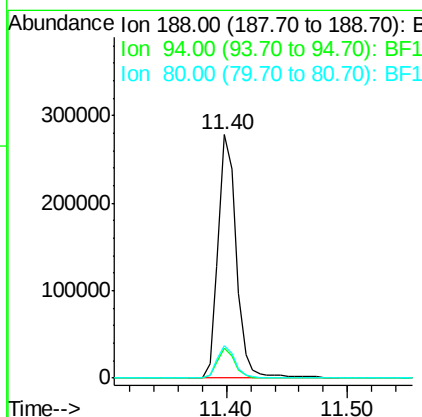
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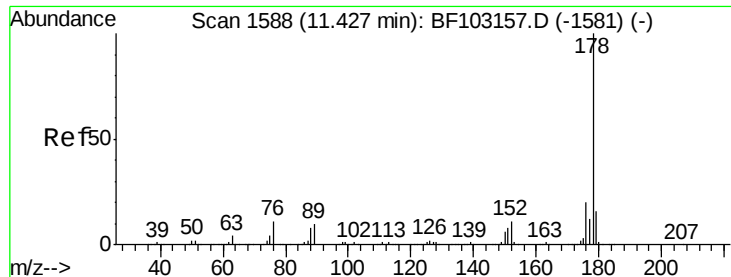
Sohil
 3/9/2018 11:39:50 AM



#63
Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.40 min Scan# 1583
 Delta R.T. -0.01 min
 Lab File: BF103549.D
 Acq: 9 Mar 2018 8:15

Tgt Ion	Ratio	Lower	Upper
188	100		
94	12.3	8.5	12.7
80	13.4	9.2	13.8





#70

Phenanthrene

Concen: 61.756 ng

RT: 11.43 min Scan# 1588

Delta R.T. 0.00 min

Lab File: BF103549.D

Acq: 9 Mar 2018 8:15

Instrument :

BNA_F

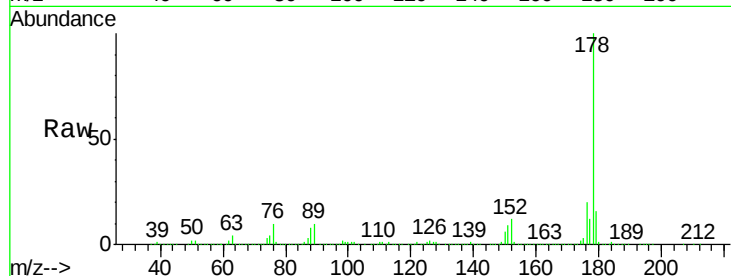
ClientSampleId :

MHB-WCBDL

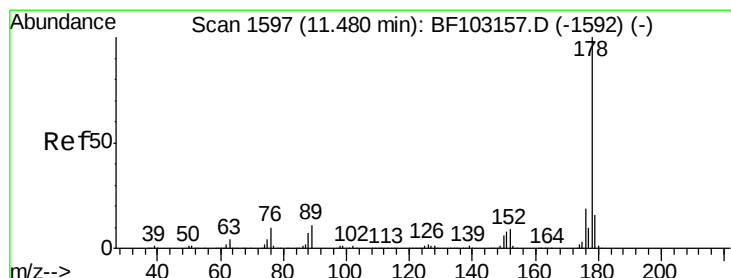
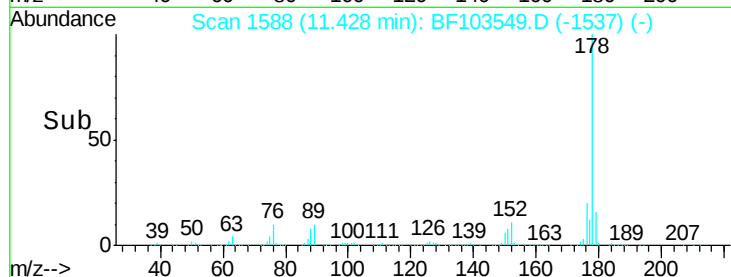
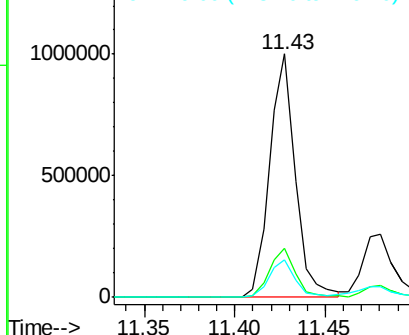
Tot Ion:178	Resp:	985741
Ion Ratio	Lower	Upper
178	100	
176	19.9	15.8 23.8
179	15.7	13.0 19.6

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Sohil
3/9/2018 11:39:50 AM



Abundance Ion 178.00 (177.70 to 178.70): E
Ion 176.00 (175.70 to 176.70): E
Ion 179.00 (178.70 to 179.70): E



#71

Anthracene

Concen: 21.143 ng

RT: 11.48 min Scan# 1597

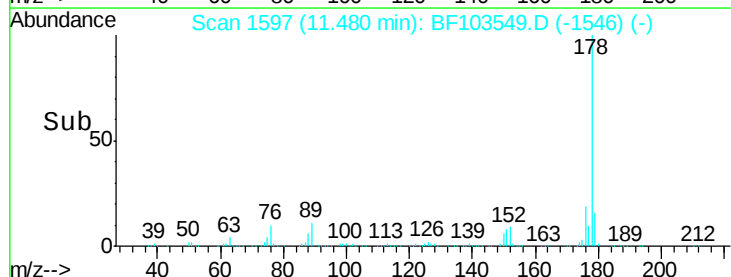
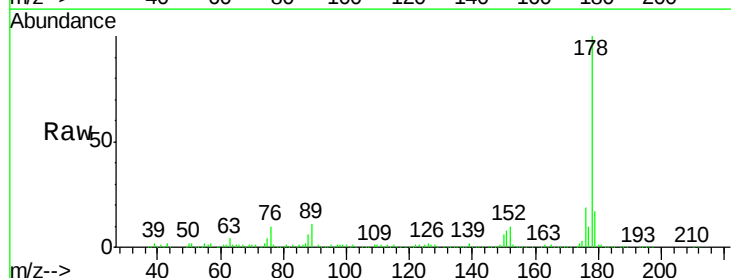
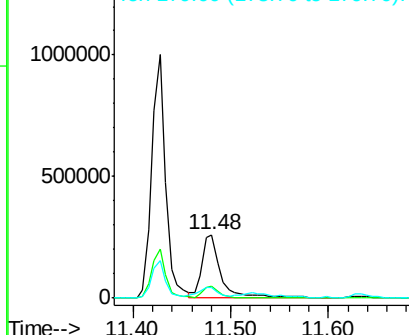
Delta R.T. 0.00 min

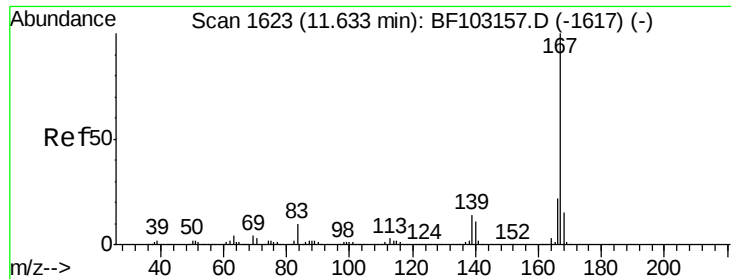
Lab File: BF103549.D

Acq: 9 Mar 2018 8:15

Tgt Ion:178	Resp:	346060
Ion Ratio	Lower	Upper
178	100	
176	18.7	15.4 23.2
179	16.6	12.6 19.0

Abundance Ion 178.00 (177.70 to 178.70): E
Ion 176.00 (175.70 to 176.70): E
Ion 179.00 (178.70 to 179.70): E





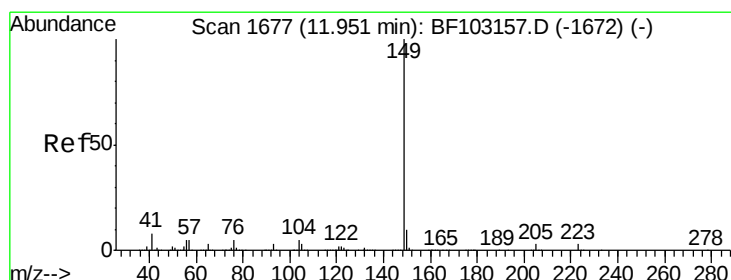
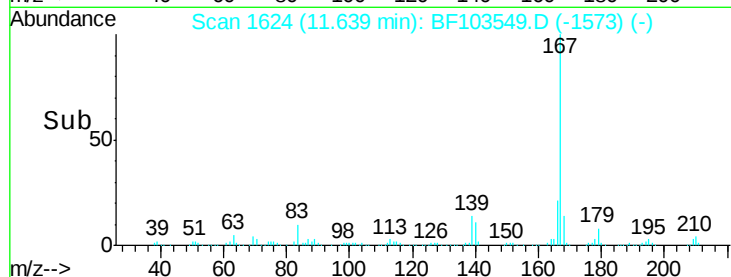
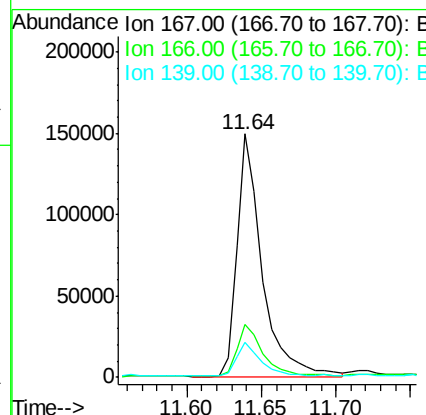
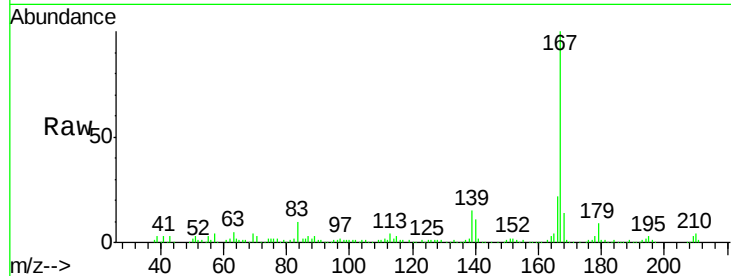
#72
 Carbazole
 Concen: 10.806 ng
 RT: 11.64 min Scan# 1624
 Delta R.T. 0.00 min
 Lab File: BF103549.D
 Acq: 9 Mar 2018 8:15

Instrument :
 BNA_F
 ClientSampleId :
 MHB-WCBDL

Tot Ion	Ratio	Lower	Upper
167	100		
166	21.6	17.6	26.4
139	14.6	10.9	16.3

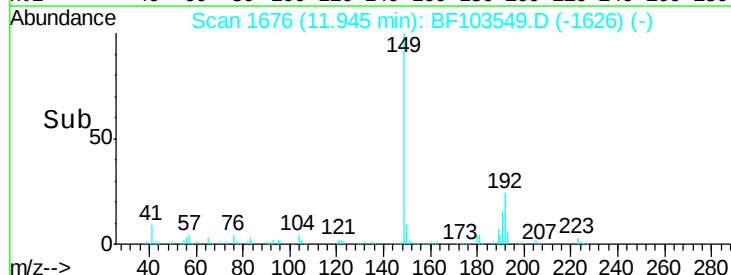
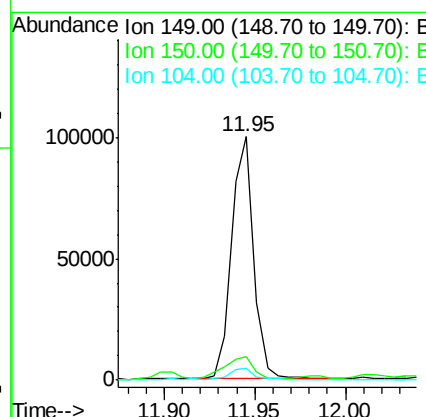
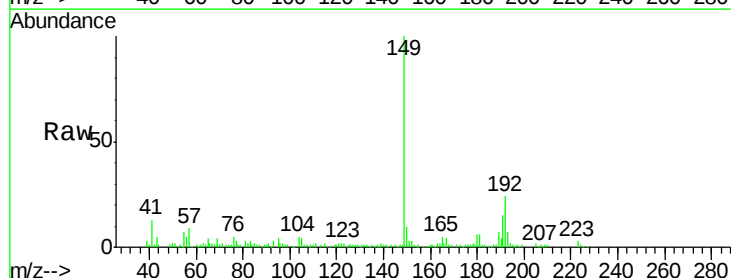
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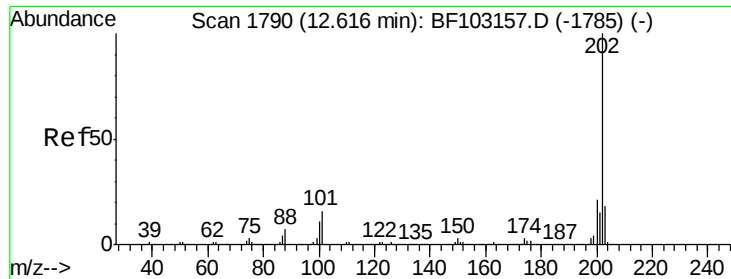
Sohil
 3/9/2018 11:39:50 AM



#73
 Di-n-butylphthalate
 Concen: 4.147 ng
 RT: 11.95 min Scan# 1676
 Delta R.T. -0.01 min
 Lab File: BF103549.D
 Acq: 9 Mar 2018 8:15

Tgt Ion	Ratio	Lower	Upper
149	100		
150	9.6	7.8	11.6
104	5.0	3.8	5.8





#74

Fluoranthene

Concen: 55.692 ng

RT: 12.62 min Scan# 1791

Delta R.T. 0.00 min

Lab File: BF103549.D

Acq: 9 Mar 2018 8:15

Instrument :

BNA_F

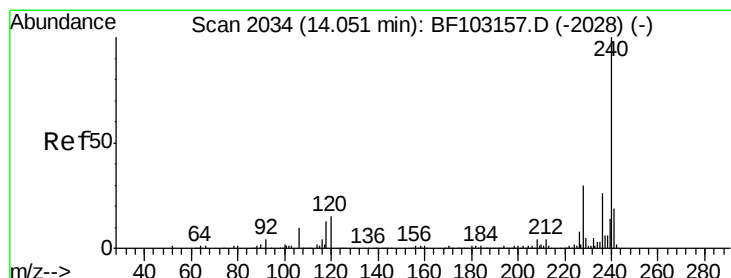
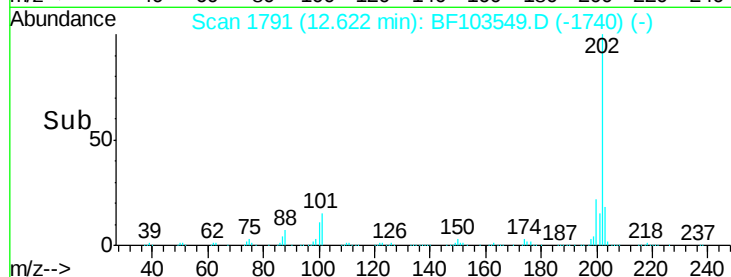
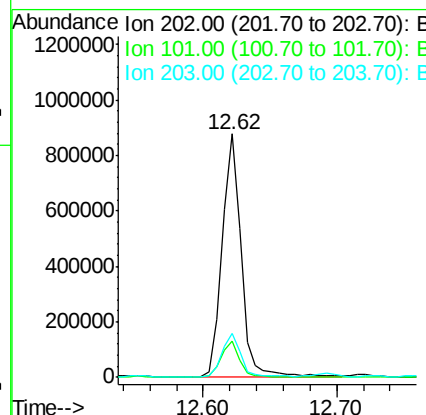
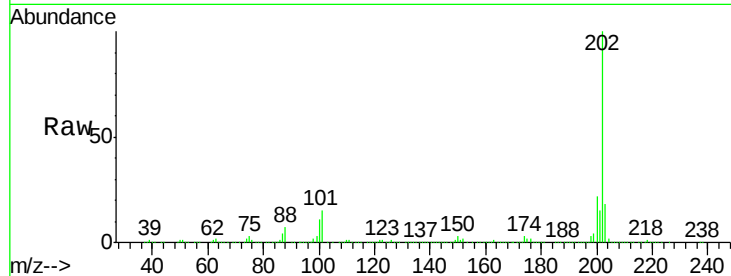
ClientSampleId :

MHB-WCBDL

Tot Ion	Ratio	Resp Lower	Upper
202	100		
101	15.0	0.0	34.1
203	18.0	0.0	38.1

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#75

Chrysene-d12

Concen: 20.000 ng

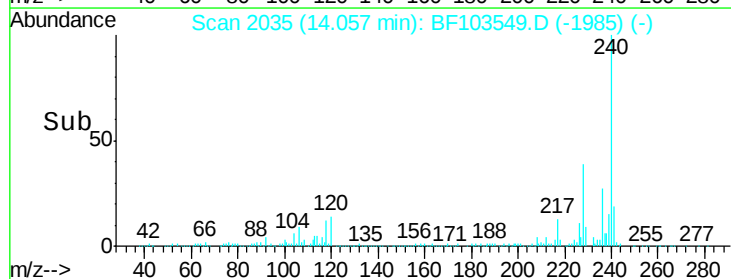
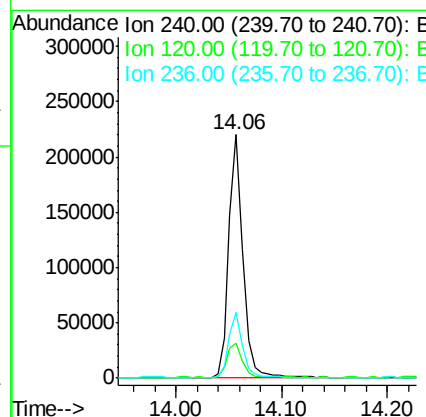
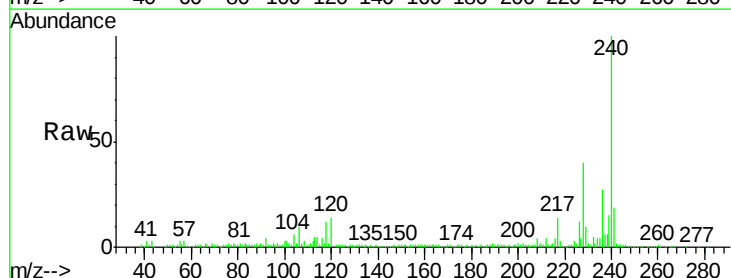
RT: 14.06 min Scan# 2035

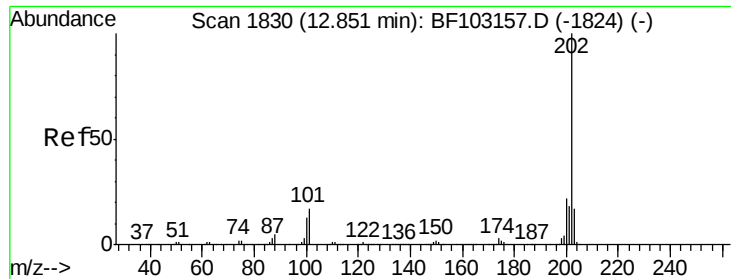
Delta R.T. -0.01 min

Lab File: BF103549.D

Acq: 9 Mar 2018 8:15

Tgt Ion	Ratio	Resp Lower	Upper
240	100		
120	14.2	9.5	14.3
236	27.1	20.7	31.1





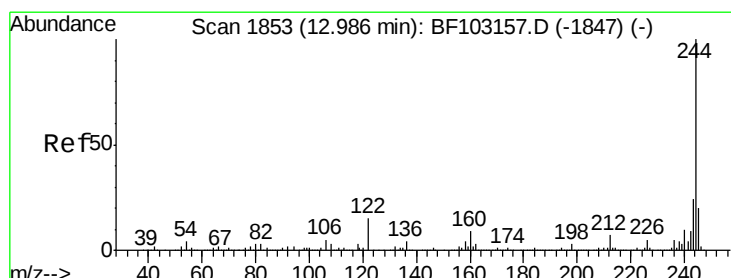
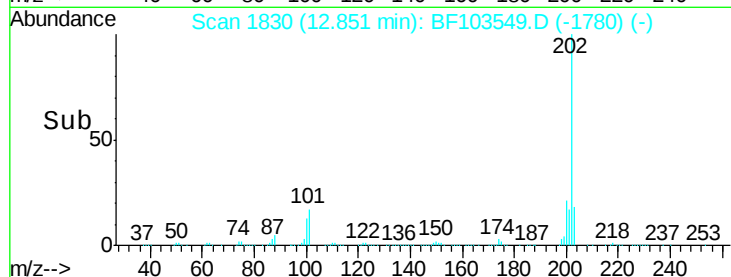
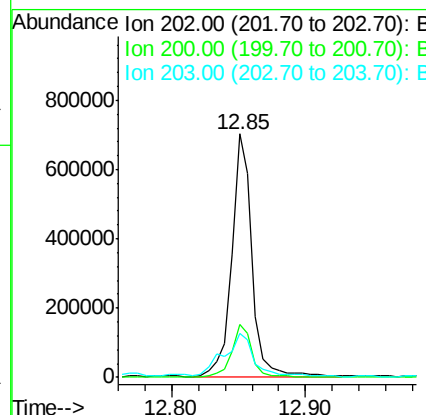
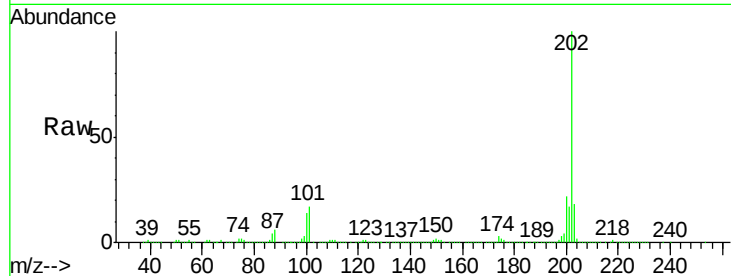
#77
Pvrene
Concen: 46.720 ng
RT: 12.85 min Scan# 1830
Delta R.T. -0.01 min
Lab File: BF103549.D
Acq: 9 Mar 2018 8:15

Instrument :
BNA_F
ClientSampleId :
MHB-WCBDL

Tot Ion	Ratio	Lower	Upper
202	100		
200	21.5	17.4	26.2
203	18.2	14.3	21.5

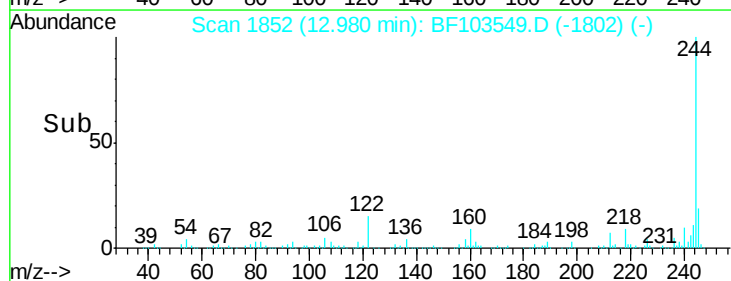
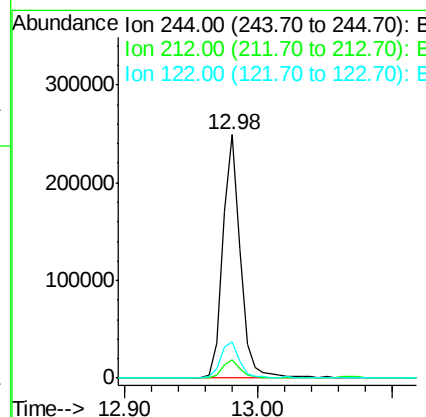
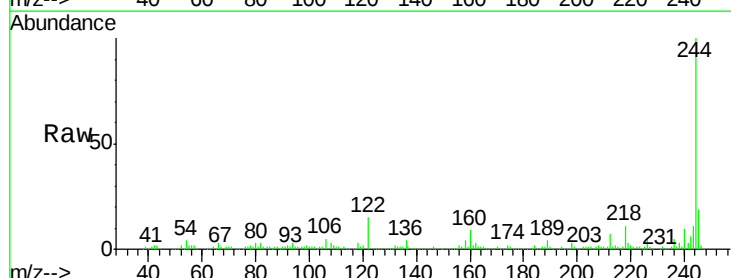
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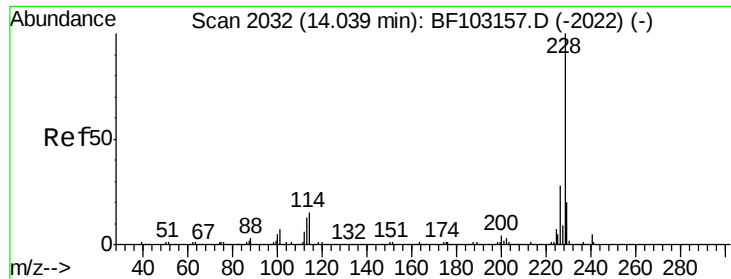
Sohil
3/9/2018 11:39:50 AM



#78
Terphenyl-d14
Concen: 27.265 ng
RT: 12.98 min Scan# 1852
Delta R.T. -0.01 min
Lab File: BF103549.D
Acq: 9 Mar 2018 8:15

Tgt Ion	Ratio	Lower	Upper
244	100		
212	7.3	5.4	8.0
122	14.8	11.0	16.4





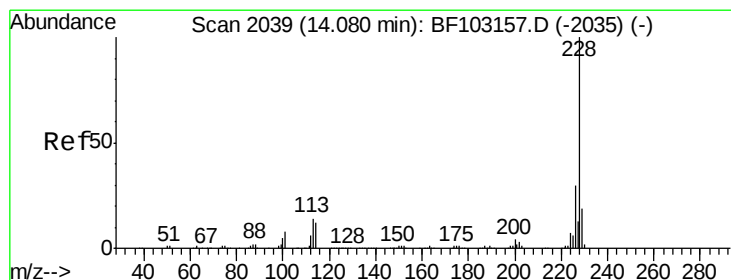
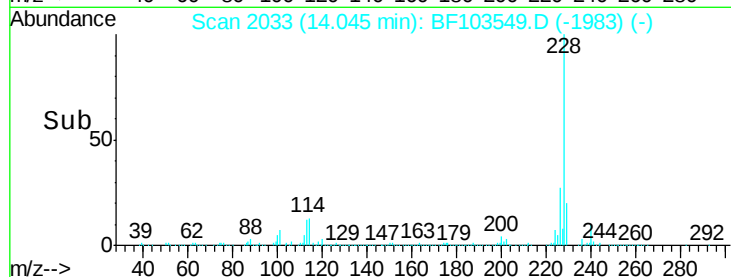
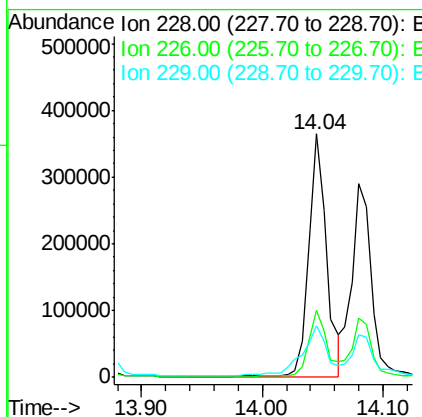
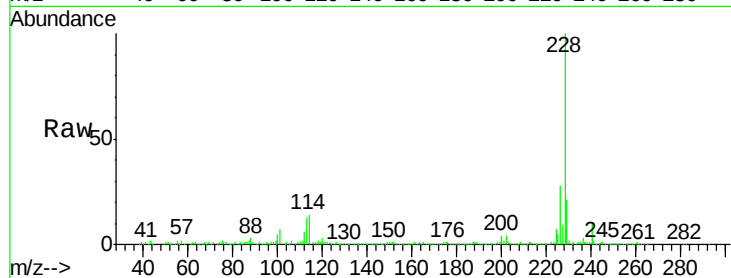
#80
Benzo(a)anthracene
Concen: 28.179 ng
RT: 14.04 min Scan# 2033
Delta R.T. -0.01 min
Lab File: BF103549.D
Acq: 9 Mar 2018 8:15

Instrument :
BNA_F
ClientSampleId :
MHB-WCBDL

Tot Ion	Ratio	Lower	Upper
228	100		
226	27.6	22.6	33.8
229	21.0	15.8	23.6

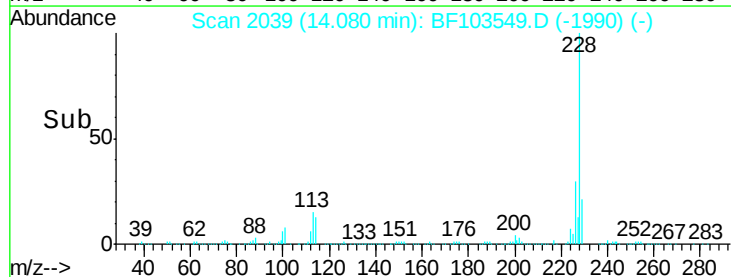
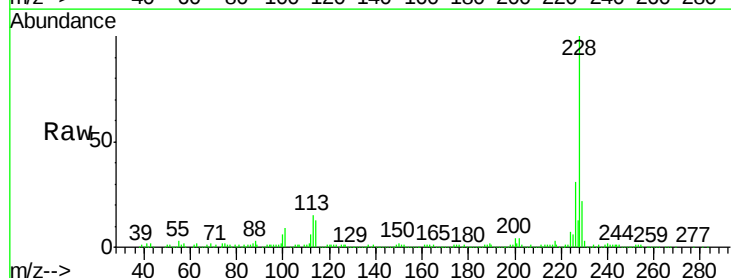
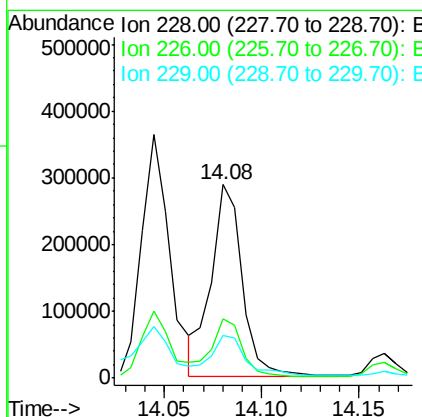
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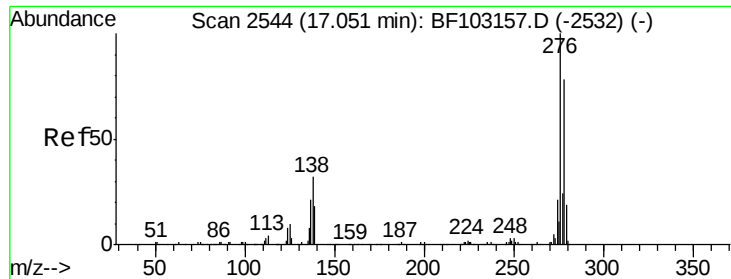
Sohil
3/9/2018 11:39:50 AM



#82
Chrysene
Concen: 24.935 ng
RT: 14.08 min Scan# 2039
Delta R.T. -0.01 min
Lab File: BF103549.D
Acq: 9 Mar 2018 8:15

Tgt Ion	Ratio	Lower	Upper
228	100		
226	30.9	25.0	37.6
229	22.0	16.2	24.4





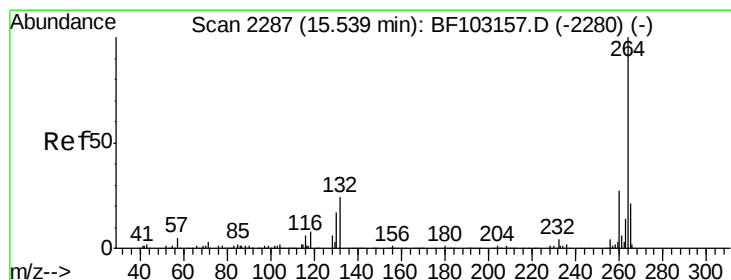
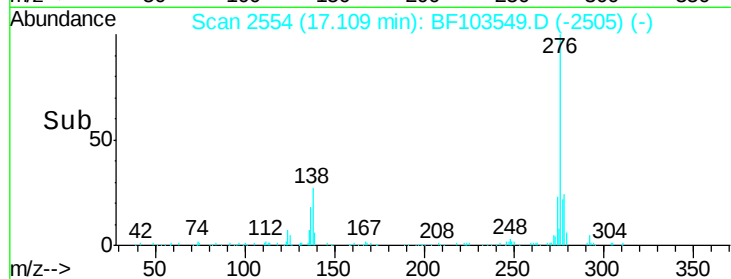
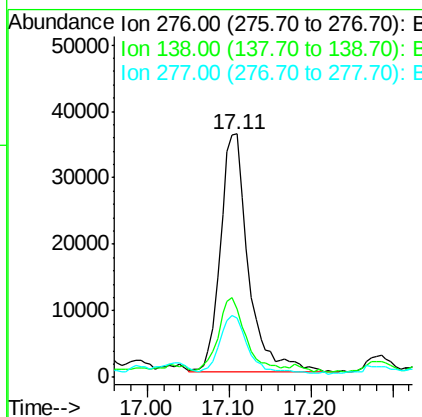
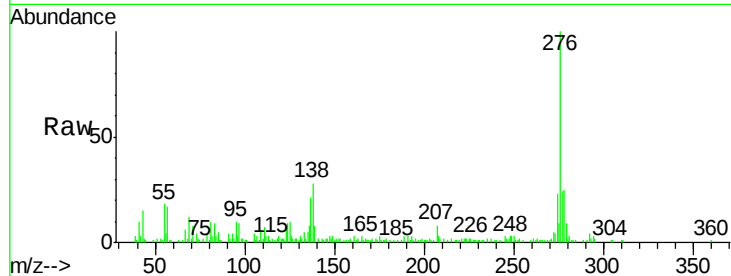
#85
Indeno(1,2,3-cd)pyrene
Concen: 8.370 ng
RT: 17.11 min Scan# 2554
Delta R.T. -0.01 min
Lab File: BF103549.D
Acq: 9 Mar 2018 8:15

Instrument :
BNA_F
ClientSampled :
MHB-WCBDL

Tot Ion	Ratio	Lower	Upper
276	100		
138	28.8	25.0	37.6
277	24.4	20.1	30.1

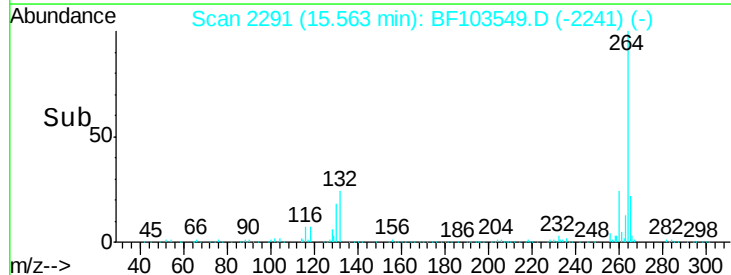
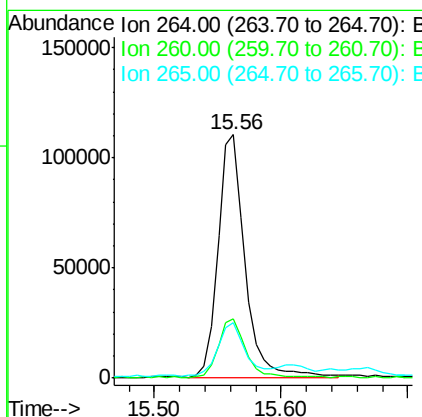
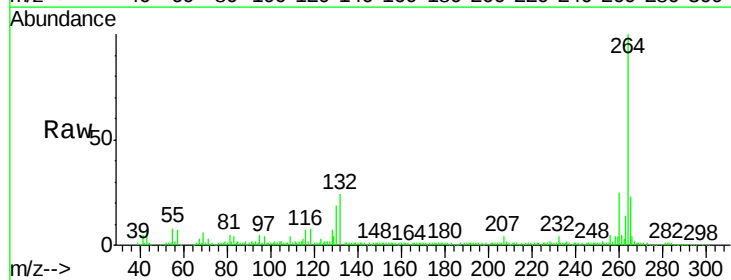
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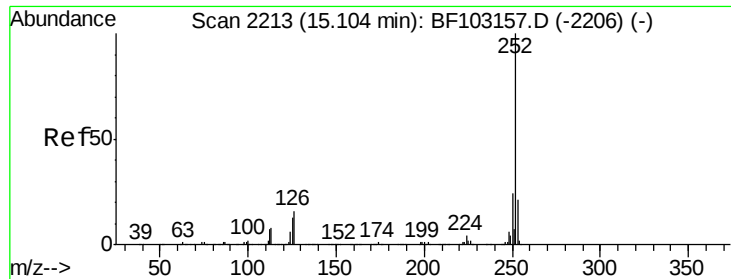
Sohil
3/9/2018 11:39:50 AM



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.56 min Scan# 2291
Delta R.T. -0.01 min
Lab File: BF103549.D
Acq: 9 Mar 2018 8:15

Tgt Ion	Ratio	Lower	Upper
264	100		
260	24.6	19.2	28.8
265	22.7	17.5	26.3





#87

Benzo(b)fluoranthene

Concen: 25.277 ng m

RT: 15.12 min Scan# 2215

Delta R.T. -0.01 min

Lab File: BF103549.D

Acq: 9 Mar 2018 8:15

Instrument :

BNA_F

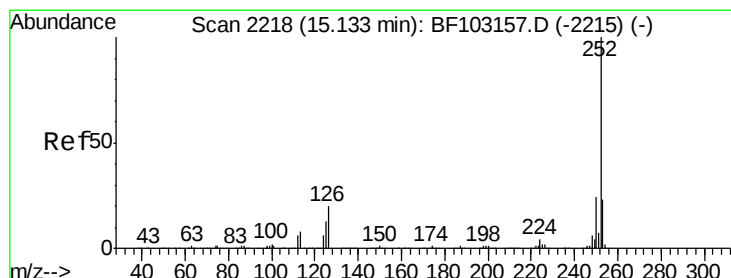
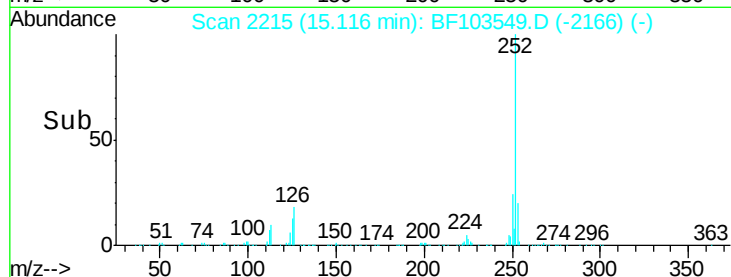
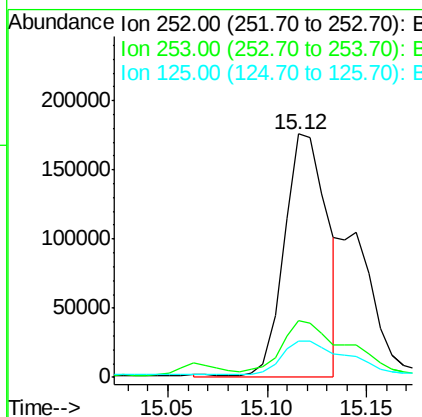
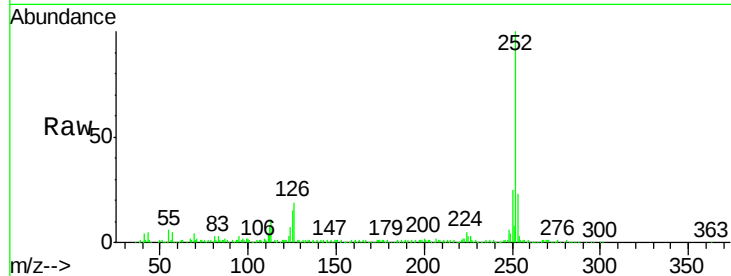
ClientSampleId :

MHB-WCBDL

Tot Ion:	252	Resp:	268805
Ion Ratio	Lower	Upper	
252	100		
253	23.5	17.0	25.6
125	14.6	9.0	13.6

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Sohil
3/9/2018 11:39:50 AM



#88

Benzo(k)fluoranthene

Concen: 12.462 ng m

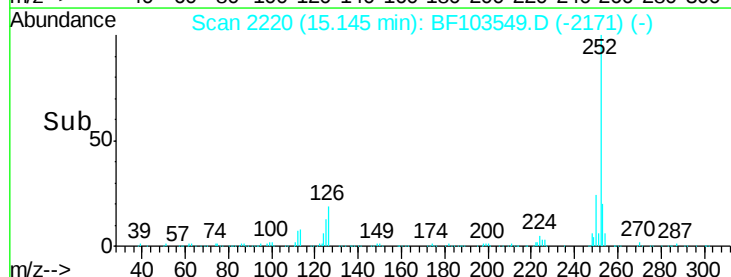
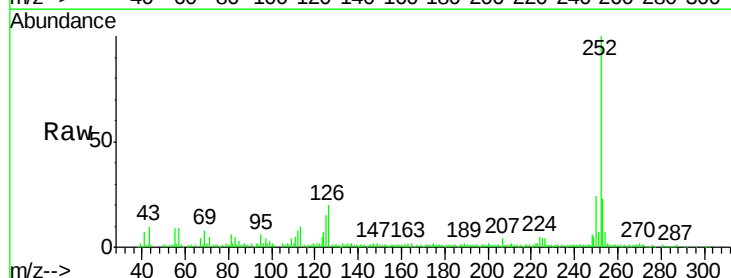
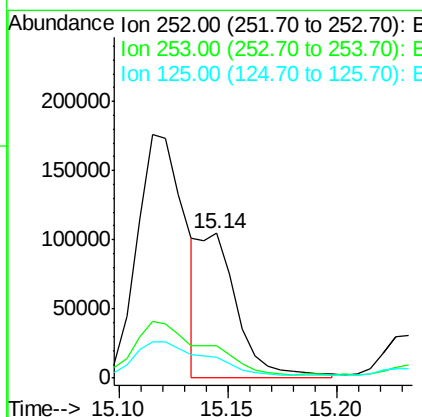
RT: 15.14 min Scan# 2220

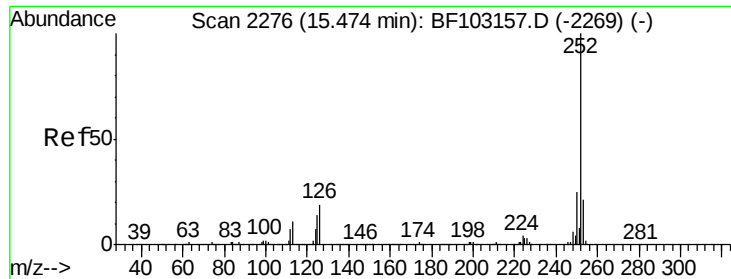
Delta R.T. -0.01 min

Lab File: BF103549.D

Acq: 9 Mar 2018 8:15

Tgt Ion:	252	Resp:	124795
Ion Ratio	Lower	Upper	
252	100		
253	22.6	17.9	26.9
125	14.6	10.2	15.2





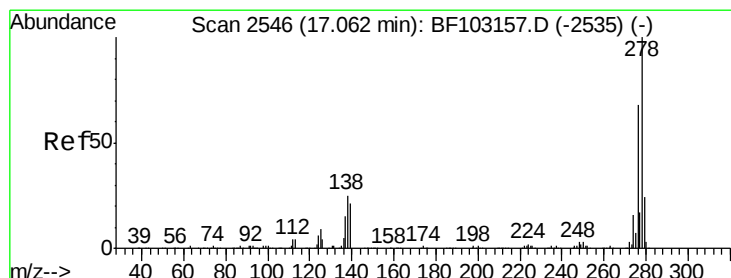
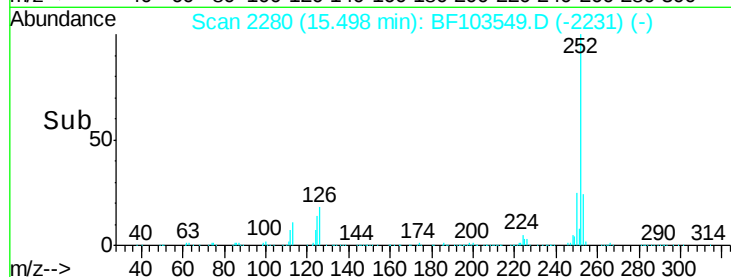
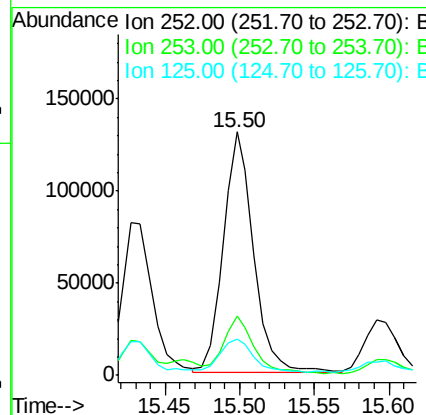
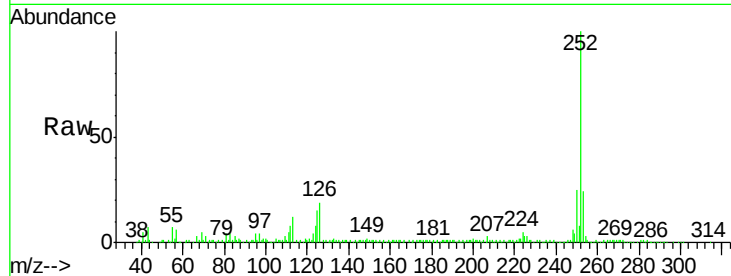
#89
Benzo(a)pyrene
Concen: 19.521 ng
RT: 15.50 min Scan# 2280
Delta R.T. -0.01 min
Lab File: BF103549.D
Acq: 9 Mar 2018 8:15

Instrument :
BNA_F
ClientSampleId :
MHB-WCBDL

Tot Ion	Ratio	Lower	Upper
252	100		
253	24.4	17.1	25.7
125	15.1	9.8	14.6

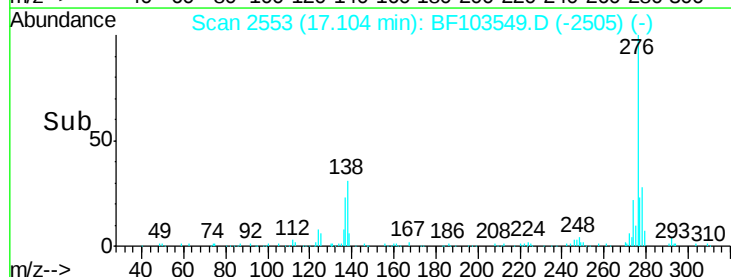
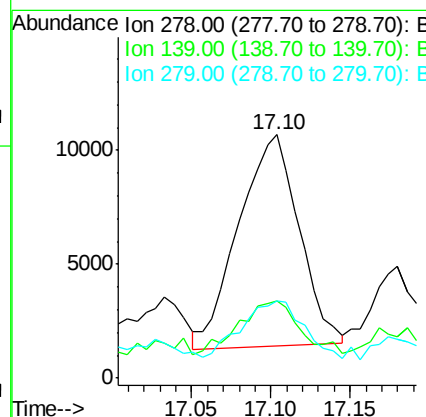
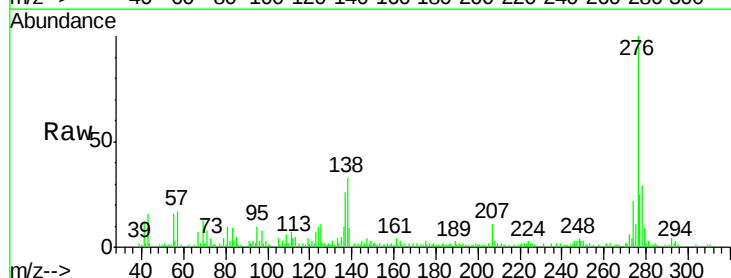
Manual Integrations
APPROVED

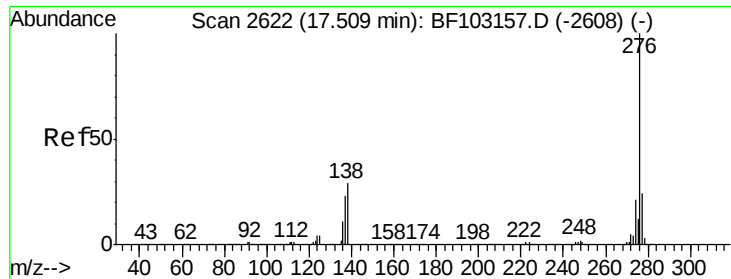
Sohil
3/9/2018 11:39:50 AM



#90
Dibenzo(a,h)anthracene
Concen: 3.357 ng
RT: 17.10 min Scan# 2553
Delta R.T. -0.02 min
Lab File: BF103549.D
Acq: 9 Mar 2018 8:15

Tgt Ion	Ratio	Lower	Upper
278	100		
139	31.6	15.9	23.9
279	31.8	19.0	28.4





#91
 Benzo(a,h,i)perylene
 Concen: 10.098 ng
 RT: 17.57 min Scan# 2633
 Delta R.T. -0.01 min
 Lab File: BF103549.D
 Acq: 9 Mar 2018 8:15

Instrument :
 BNA_F
 ClientSampleId :
 MHB-WCBDL

Tot Ion:	276	Resp:	72421
Ion Ratio	Lower	Upper	
276	100		
277	25.8	17.9	26.9
138	32.5	21.8	32.8

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Sohil
 3/9/2018 11:39:50 AM

