

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF042219\
 Data File : BF113902.D
 Acq On : 23 Apr 2019 2:13
 Operator : JU/SJ
 Sample : K2201-03 5X
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 PL-01-041819-B

Manual Integrations
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 4/23/2019 4:08:22 PM

Quant Time: Apr 23 08:09:51 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF042219.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Apr 23 03:32:35 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.90	152	161184	20.00	ng	0.00
21) Naphthalene-d8	8.18	136	570631	20.00	ng	0.00
39) Acenaphthene-d10	9.93	164	290283	20.00	ng	0.00
64) Phenanthrene-d10	11.42	188	616518	20.00	ng	0.00
76) Chrysene-d12	14.06	240	502781	20.00	ng	0.00
87) Perylene-d12	15.54	264	422455	20.00	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.51	112	177433	18.83	ng	0.00
7) Phenol-d6	6.52	99	225862	19.10	ng	0.00
23) Nitrobenzene-d5	7.45	82	116392	12.59	ng	0.00
42) 2,4,6-Tribromophenol	10.72	330	69886	19.76	ng	0.00
45) 2-Fluorobiphenyl	9.25	172	257244	13.86	ng	0.00
79) Terphenyl-d14	13.00	244	371335	15.14	ng	0.00
Target Compounds						
31) Naphthalene	8.20	128	82170	3.031	ng	99
37) 2-Methylnaphthalene	8.89	142	55418	3.032	ng	98
38) 1-Methylnaphthalene	8.99	142	57987	3.287	ng	95
49) Acenaphthylene	9.79	152	176652	6.257	ng	98
52) Acenaphthene	9.96	154	109760	6.579	ng	98
55) Dibenzofuran	10.14	168	160779	6.433	ng	97
58) Fluorene	10.48	166	277178	14.731	ng	99
71) Phenanthrene	11.45	178	1908704	61.604	ng	100
72) Anthracene	11.50	178	631145	20.172	ng	99
73) Carbazole	11.64	167	194513	6.968	ng	98
75) Fluoranthene	12.64	202	2541536	75.185	ng	98
78) Pyrene	12.87	202	2314856	65.837	ng	99
81) Benzo(a)anthracene	14.05	228	1216348	41.061	ng	96
83) Chrysene	14.09	228	1046747	36.282	ng	98
84) Bis(2-ethylhexyl)phthalate	14.04	149	215775	12.259	ng	100
86) Indeno(1,2,3-cd)pyrene	17.03	276	452817	16.570	ng	94
88) Benzo(b)fluoranthene	15.12	252	1192497m	44.615	ng	
89) Benzo(k)fluoranthene	15.14	252	273761m	11.907	ng	
90) Benzo(a)pyrene	15.49	252	734079	31.752	ng	98
91) Dibenzo(a,h)anthracene	17.04	278	118775	5.473	ng	94
92) Benzo(g,h,i)perylene	17.49	276	395859	18.075	ng	98

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

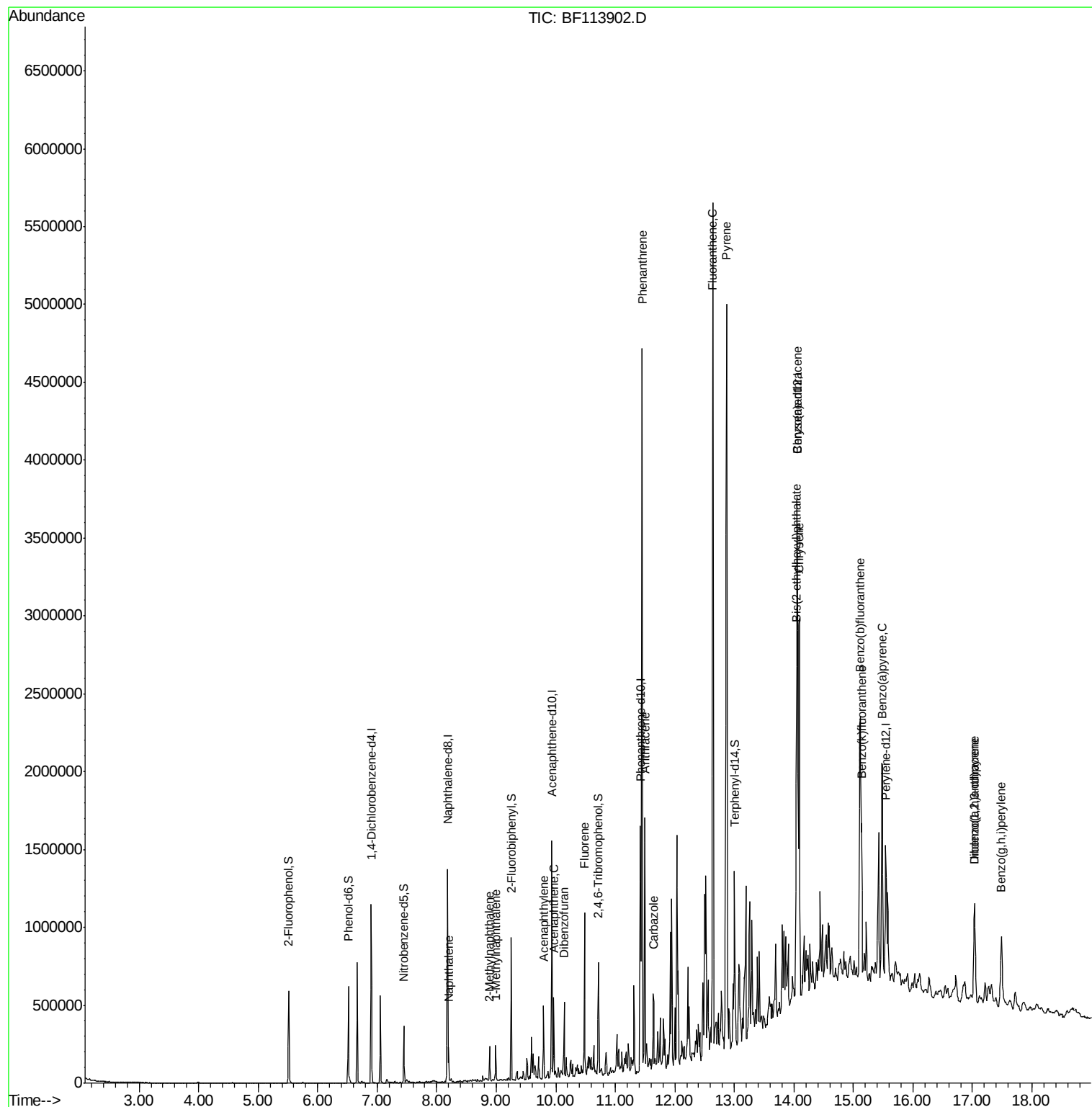
Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF042219\
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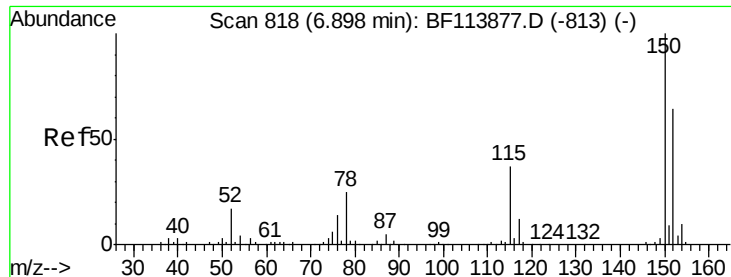
Instrument :
BNA_F
ClientSampleID :
PL-01-041819-B

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Quant Time: Apr 23 08:09:51 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF042219.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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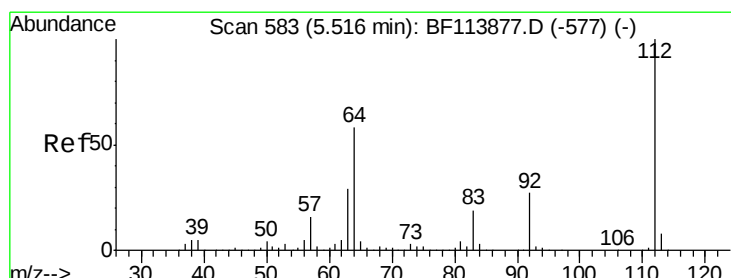
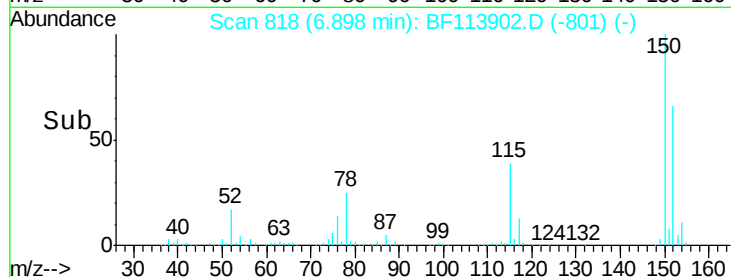
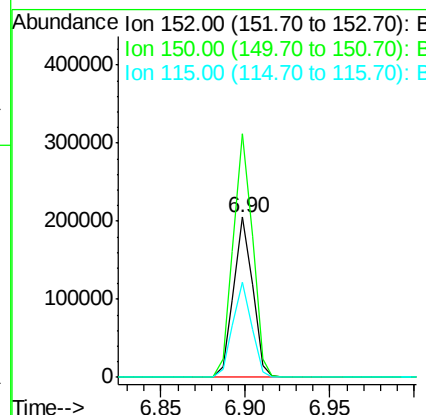
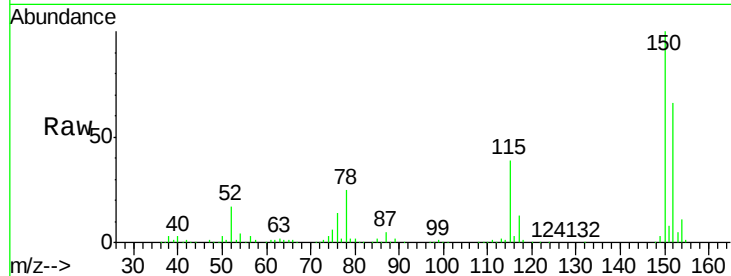
#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.90 min Scan# 818
 Delta R.T. 0.00 min
 Lab File: BF113902.D
 Acq: 23 Apr 2019 2:13

Instrument :
 BNA_F
 ClientSampleId :
 PL-01-041819-B

Tgt Ion	Ratio	Resp	Lower	Upper
152	100	161184		
150	151.9	125.9	188.9	
115	59.1	45.9	68.9	

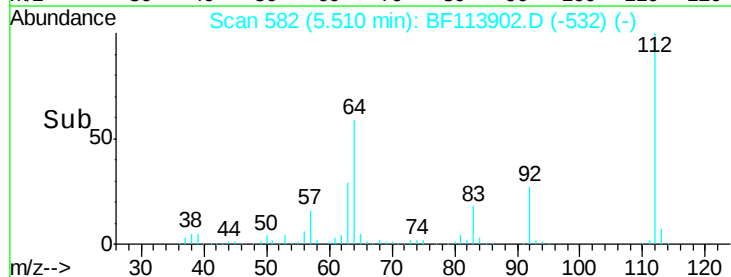
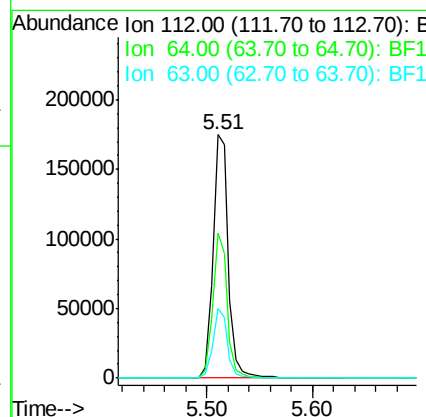
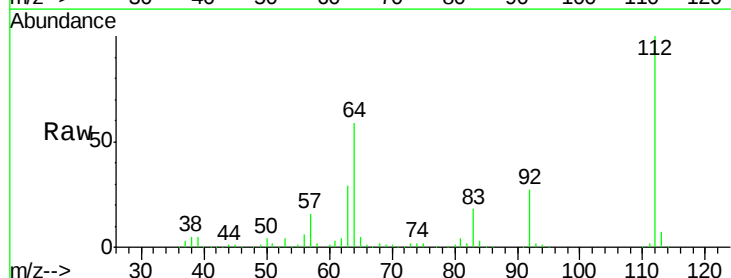
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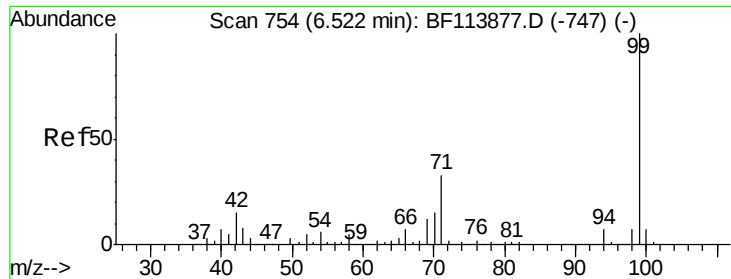
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#5
 2-Fluorophenol
 Concen: 18.828 ng
 RT: 5.51 min Scan# 582
 Delta R.T. -0.01 min
 Lab File: BF113902.D
 Acq: 23 Apr 2019 2:13

Tgt Ion	Ratio	Resp	Lower	Upper
112	100	177433		
64	59.5	46.6	69.8	
63	28.5	23.1	34.7	





#7

Phenol-d6

Concen: 19.103 ng

RT: 6.52 min Scan# 753

Delta R.T. -0.01 min

Lab File: BF113902.D

Acq: 23 Apr 2019 2:13

Instrument :

BNA_F

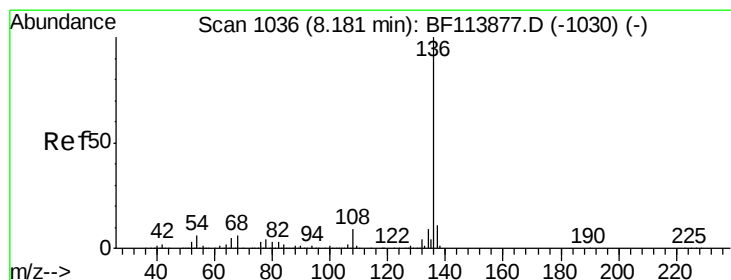
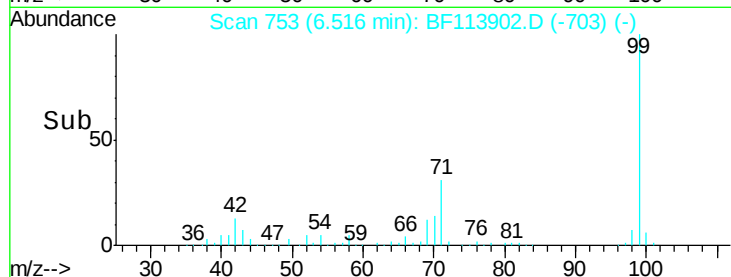
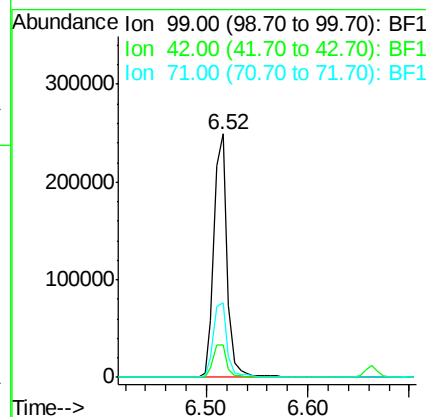
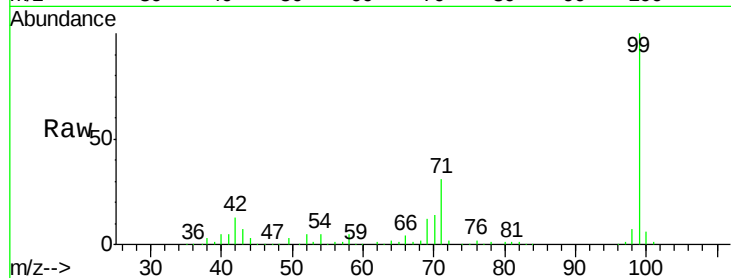
ClientSampleId :

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Tgt Ion:	99	Resp:	225862
Ion Ratio	Lower	Upper	
99	100		
42	13.4	12.5	18.7
71	30.7	26.9	40.3

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#21

Naphthalene-d8

Concen: 20.000 ng

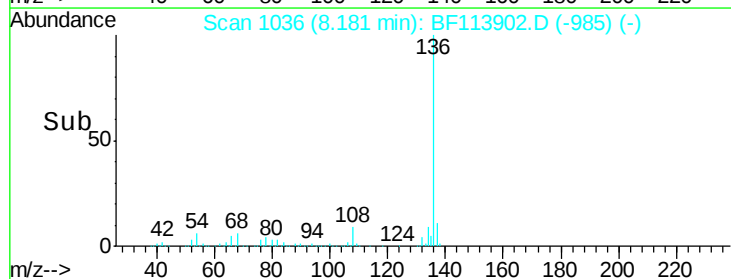
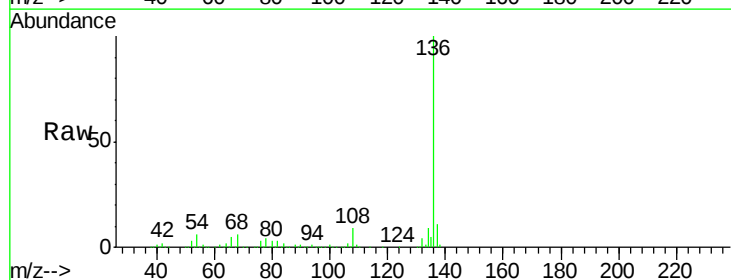
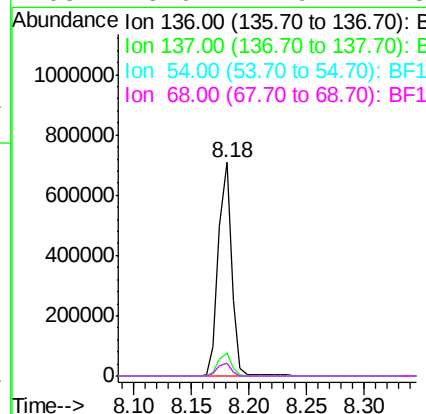
RT: 8.18 min Scan# 1036

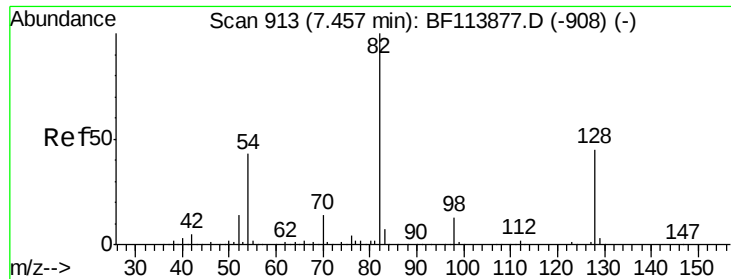
Delta R.T. 0.00 min

Lab File: BF113902.D

Acq: 23 Apr 2019 2:13

Tgt Ion:	136	Resp:	570631
Ion Ratio	Lower	Upper	
136	100		
137	11.0	8.6	12.8
54	6.0	5.0	7.6
68	5.9	4.9	7.3





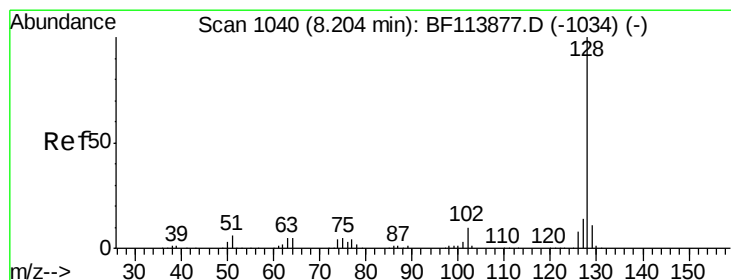
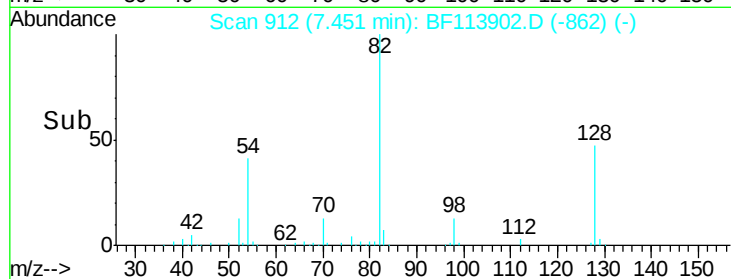
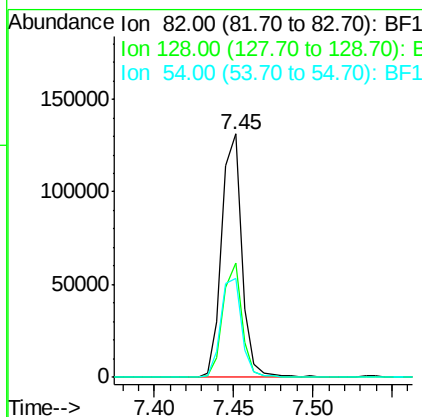
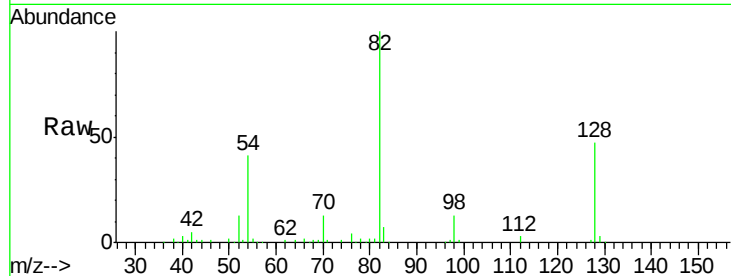
#23
 Nitrobenzene-d5
 Concen: 12.594 ng
 RT: 7.45 min Scan# 912
 Delta R.T. -0.01 min
 Lab File: BF113902.D
 Acq: 23 Apr 2019 2:13

Instrument :
 BNA_F
 ClientSampleId :
 PL-01-041819-B

Tgt Ion	Ratio	Resp	Lower	Upper
82	100	116392		
128	46.7	36.8	55.2	
54	40.8	33.8	50.6	

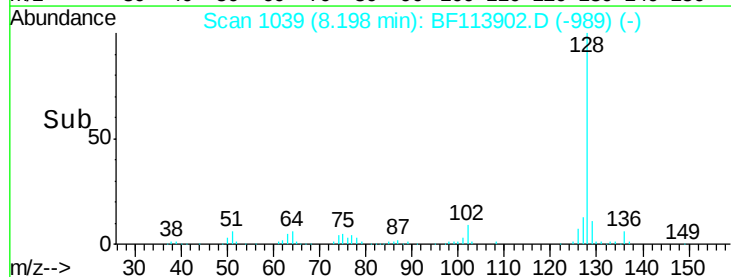
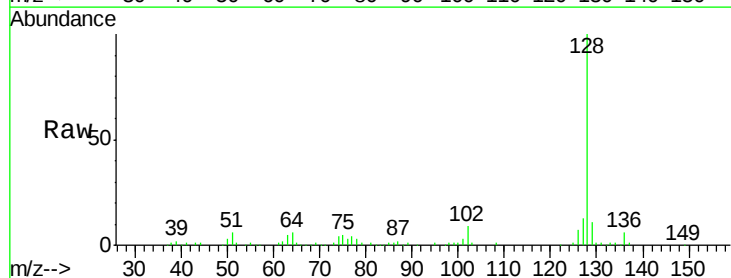
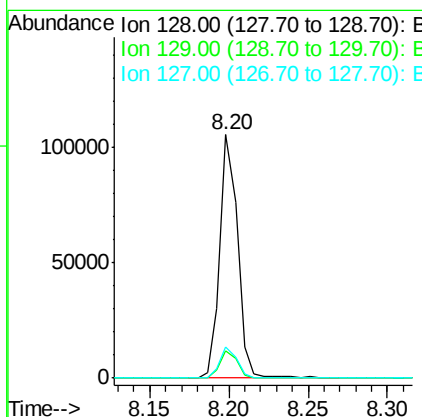
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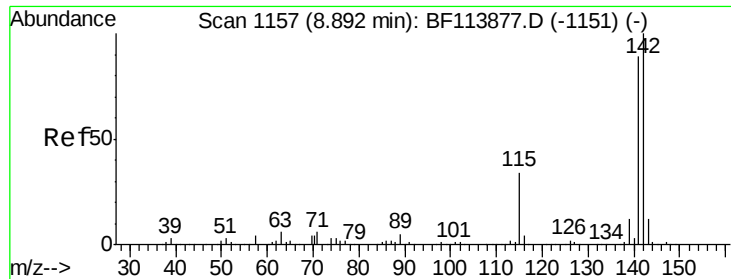
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#31
 Naphthalene
 Concen: 3.031 ng
 RT: 8.20 min Scan# 1039
 Delta R.T. -0.01 min
 Lab File: BF113902.D
 Acq: 23 Apr 2019 2:13

Tgt Ion	Ratio	Resp	Lower	Upper
128	100	82170		
129	11.3	9.4	14.0	
127	12.8	10.8	16.2	





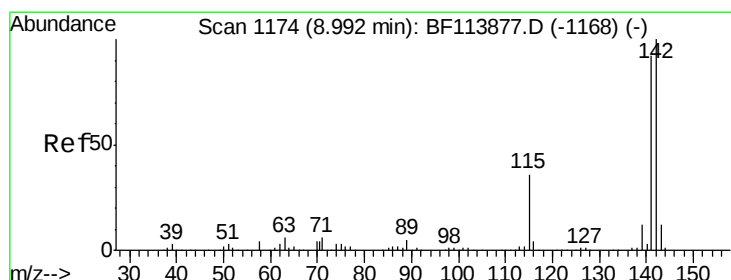
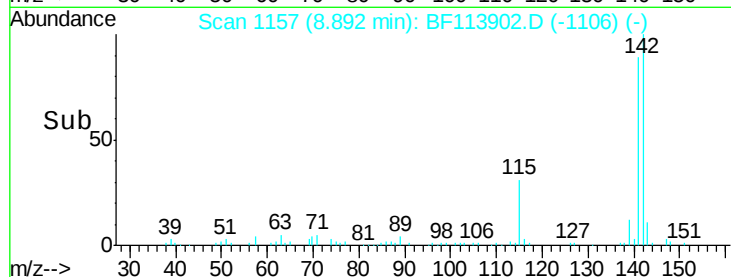
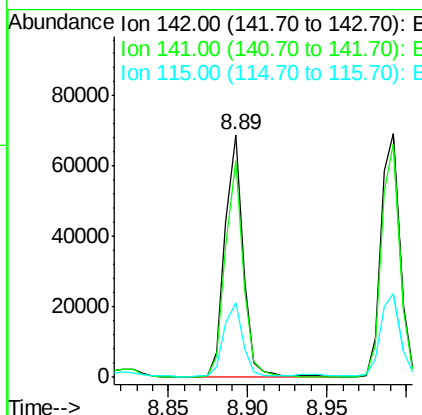
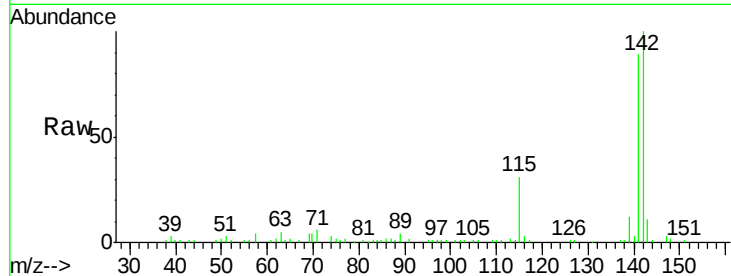
#37
2-Methylnaphthalene
Concen: 3.032 ng
RT: 8.89 min Scan# 1157
Delta R.T. 0.00 min
Lab File: BF113902.D
Acq: 23 Apr 2019 2:13

Instrument :
BNA_F
ClientSampleId :
PL-01-041819-B

Tgt Ion	Ratio	Resp	Lower	Upper
142	100	55418		
141	89.1	70.4	105.6	
115	31.0	26.3	39.5	

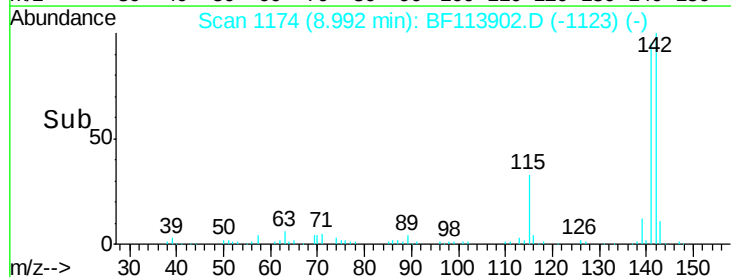
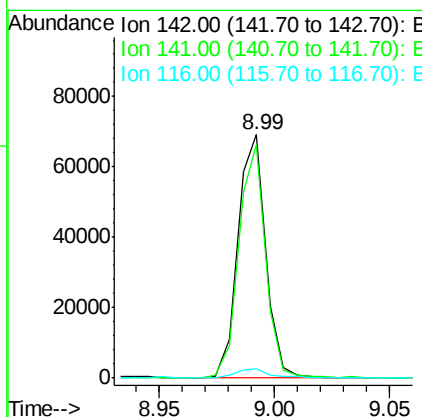
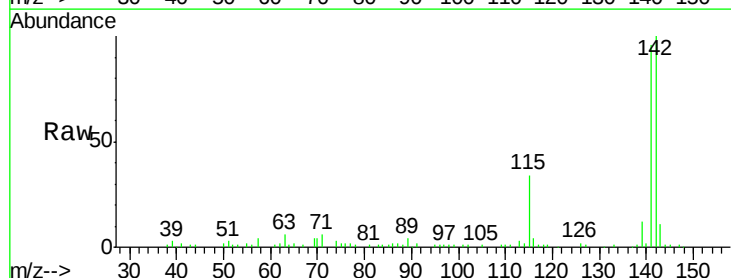
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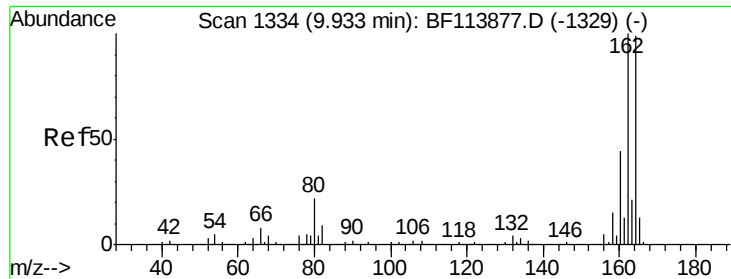
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#38
1-Methylnaphthalene
Concen: 3.287 ng
RT: 8.99 min Scan# 1174
Delta R.T. 0.00 min
Lab File: BF113902.D
Acq: 23 Apr 2019 2:13

Tgt Ion	Ratio	Resp	Lower	Upper
142	100	57987		
141	95.8	72.3	108.5	
116	4.0	3.0	4.4	





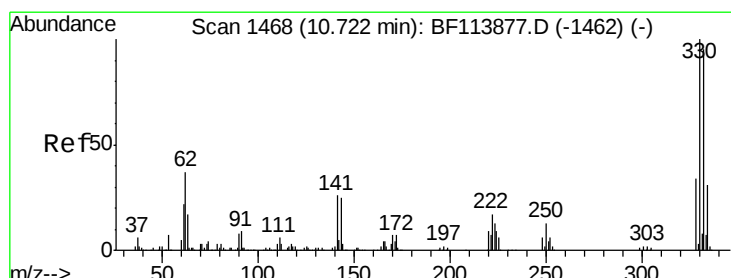
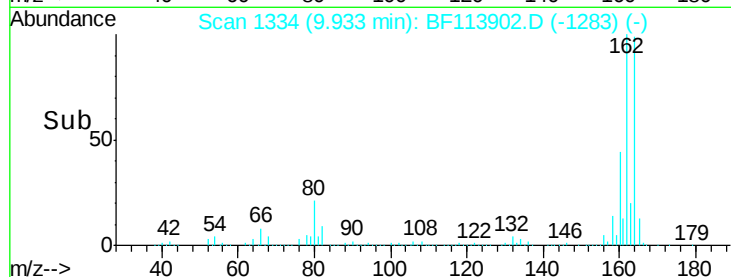
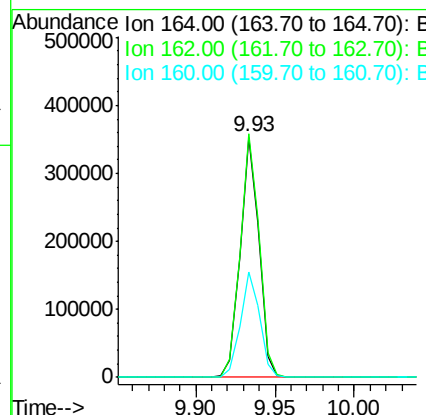
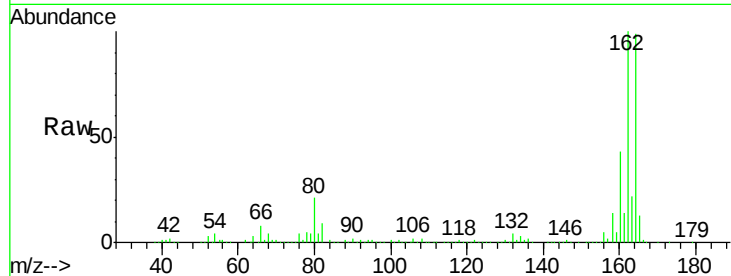
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.93 min Scan# 1334
Delta R.T. 0.00 min
Lab File: BF113902.D
Acq: 23 Apr 2019 2:13

Instrument :
BNA_F
ClientSampleId :
PL-01-041819-B

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	290283		
162	101.3	81.1	121.7	
160	44.0	35.8	53.6	

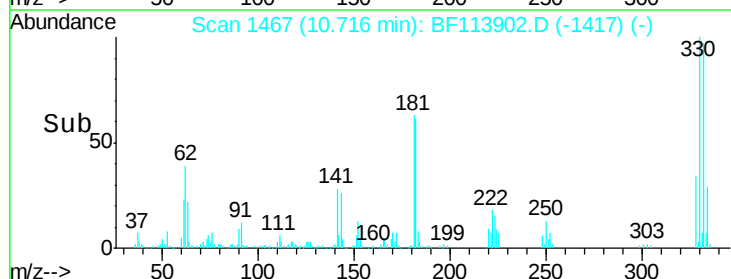
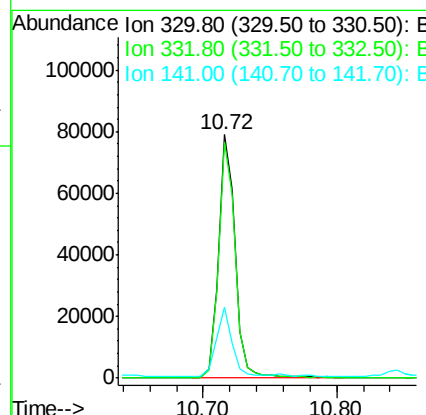
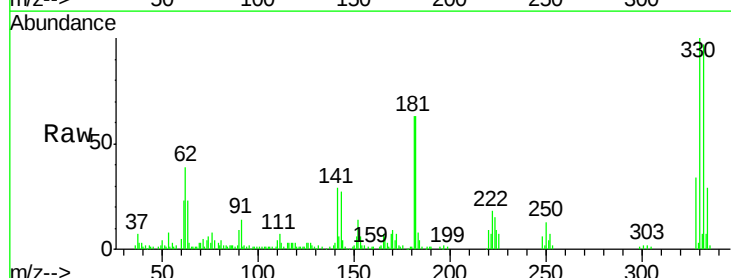
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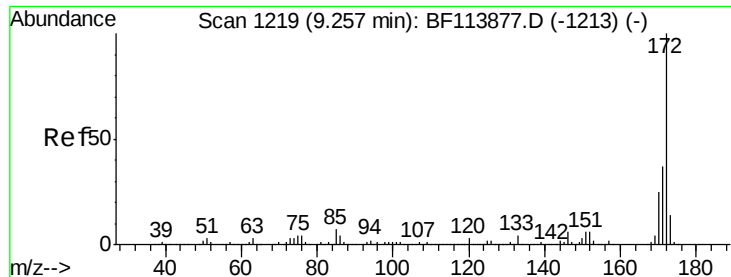
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#42
2,4,6-Tribromophenol
Concen: 19.763 ng
RT: 10.72 min Scan# 1467
Delta R.T. -0.01 min
Lab File: BF113902.D
Acq: 23 Apr 2019 2:13

Tgt Ion	Ratio	Resp	Lower	Upper
330	100	69886		
332	97.0	77.5	116.3	
141	26.7	22.2	33.2	





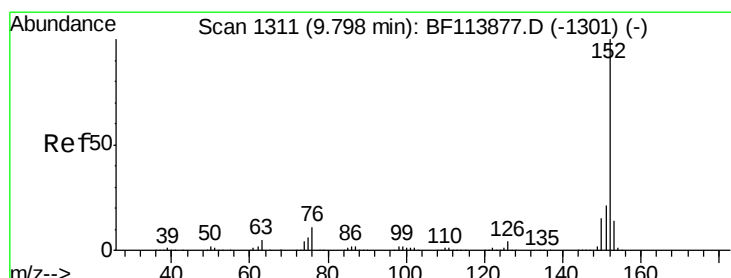
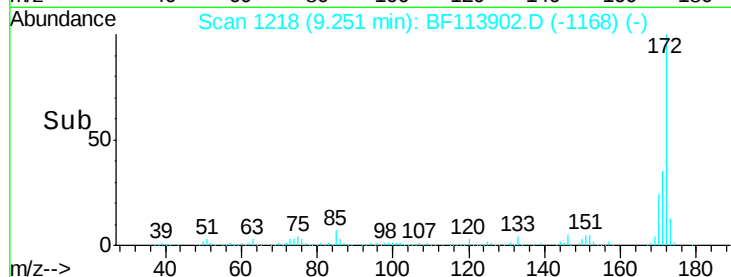
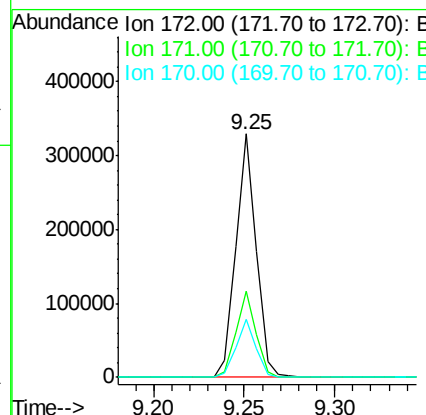
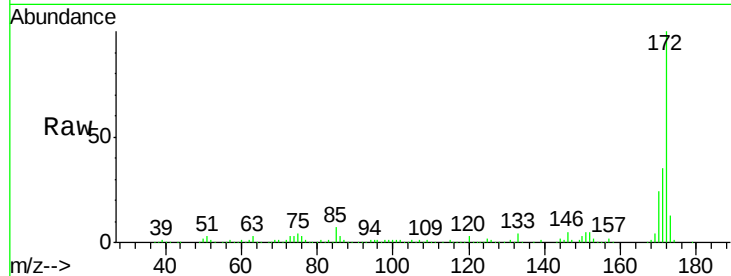
#45
2-Fluorobiphenyl
Concen: 13.860 ng
RT: 9.25 min Scan# 1218
Delta R.T. -0.00 min
Lab File: BF113902.D
Acq: 23 Apr 2019 2:13

Instrument :
BNA_F
ClientSampleId :
PL-01-041819-B

Tgt Ion	Ratio	Resp	Lower	Upper
172	100	257244		
171	35.2	29.4	44.0	
170	23.9	19.9	29.9	

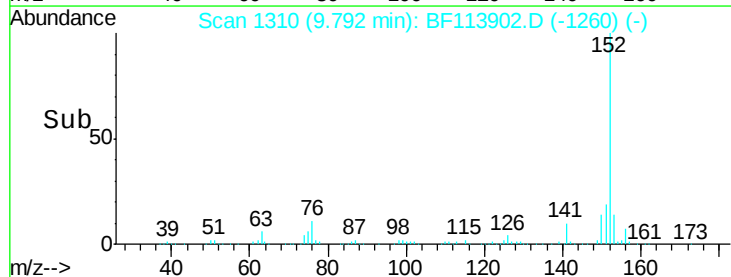
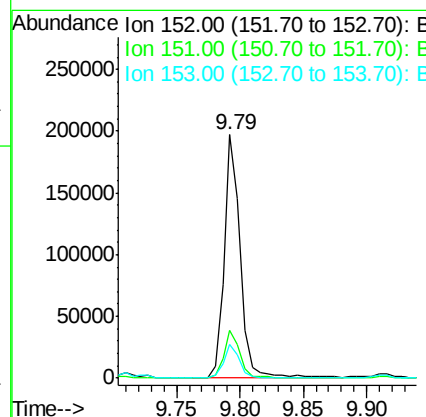
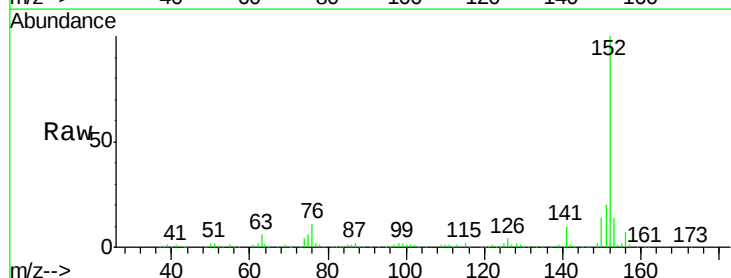
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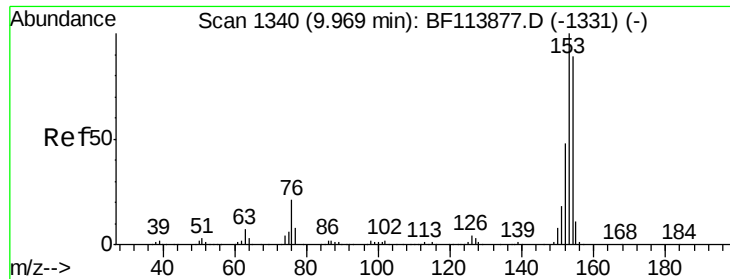
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#49
Acenaphthylene
Concen: 6.257 ng
RT: 9.79 min Scan# 1310
Delta R.T. -0.01 min
Lab File: BF113902.D
Acq: 23 Apr 2019 2:13

Tgt Ion	Ratio	Resp	Lower	Upper
152	100	176652		
151	19.6	17.0	25.4	
153	14.0	11.0	16.6	





#52

Acenaphthene

Concen: 6.579 ng

RT: 9.96 min Scan# 1339

Delta R.T. -0.01 min

Lab File: BF113902.D

Acq: 23 Apr 2019 2:13

Instrument :

BNA_F

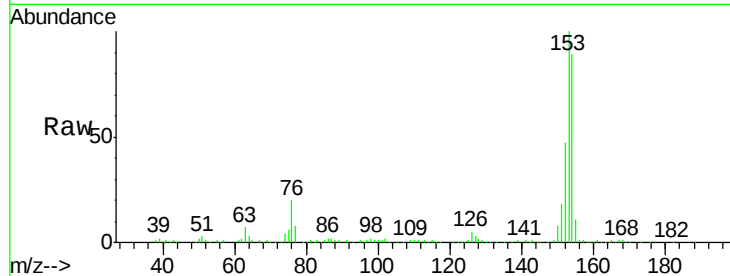
ClientSampleId :

PL-01-041819-B

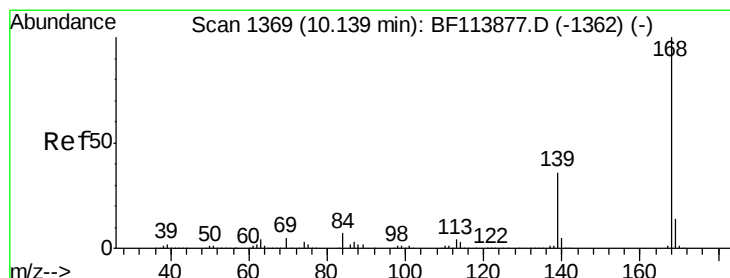
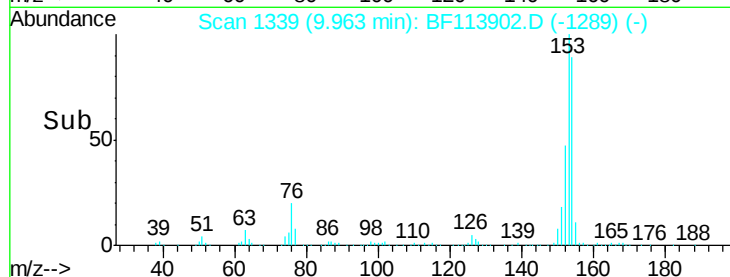
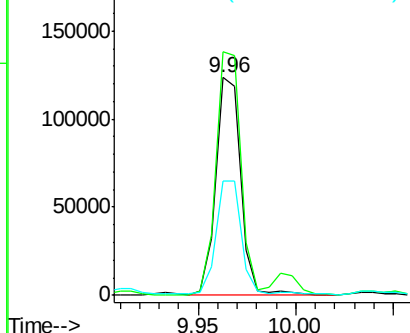
Tgt Ion:	154	Resp:	109760
Ion Ratio	Lower	Upper	
154	100		
153	112.0	87.2	130.8
152	52.7	42.3	63.5

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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



#55

Dibenzofuran

Concen: 6.433 ng

RT: 10.14 min Scan# 1369

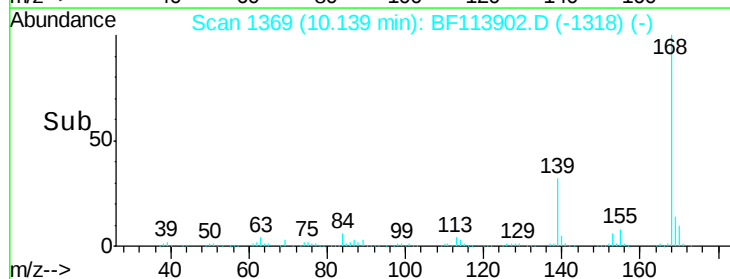
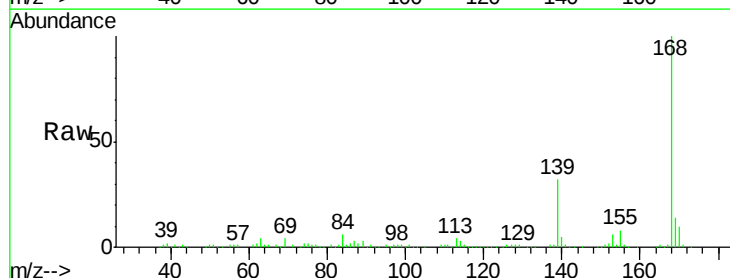
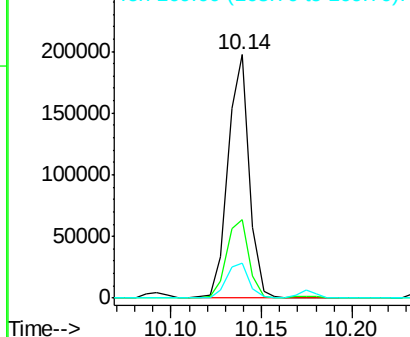
Delta R.T. 0.00 min

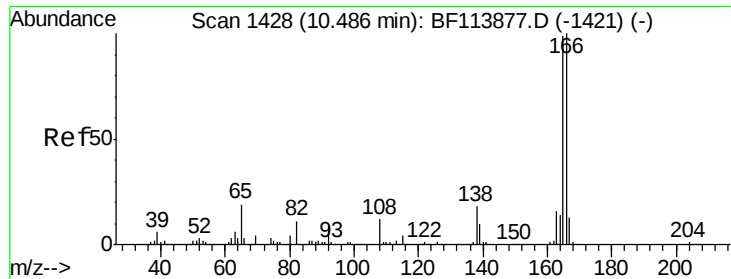
Lab File: BF113902.D

Acq: 23 Apr 2019 2:13

Tgt Ion:	168	Resp:	160779
Ion Ratio	Lower	Upper	
168	100		
139	32.3	27.8	41.6
169	14.4	11.0	16.6

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





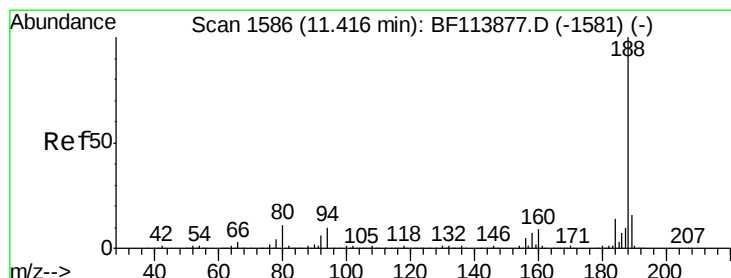
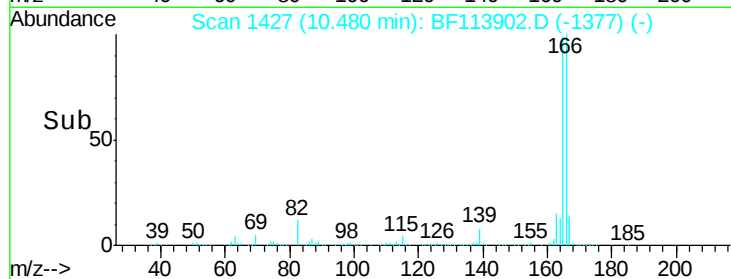
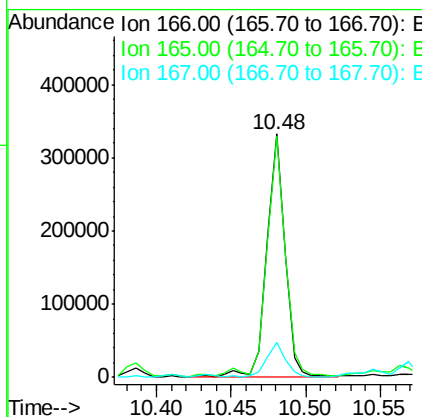
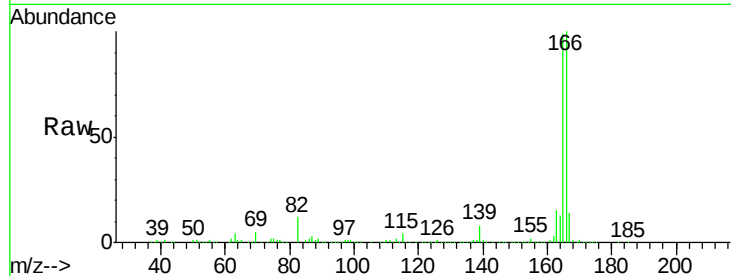
#58
Fluorene
 Concen: 14.731 ng
 RT: 10.48 min Scan# 1427
 Delta R.T. -0.01 min
 Lab File: BF113902.D
 Acq: 23 Apr 2019 2:13

Instrument :
 BNA_F
 ClientSampleId :
 PL-01-041819-B

Tgt Ion	Ratio	Resp	Lower	Upper
166	100	277178		
165	98.9	78.4	117.6	
167	14.2	10.9	16.3	

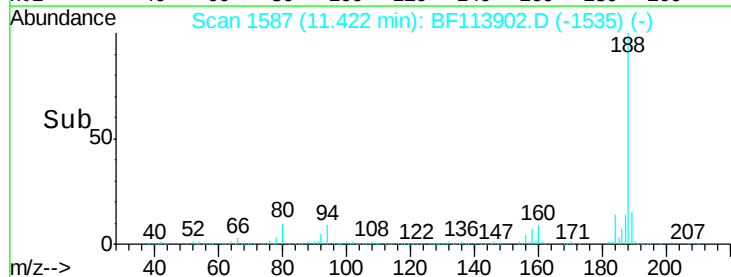
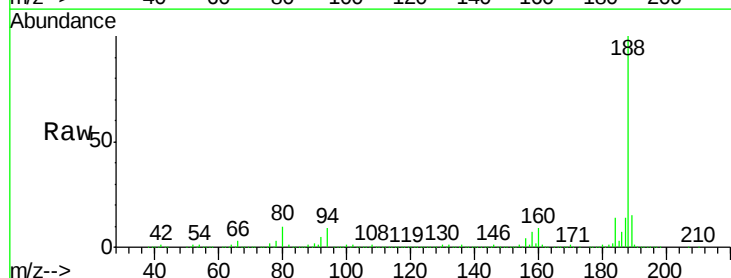
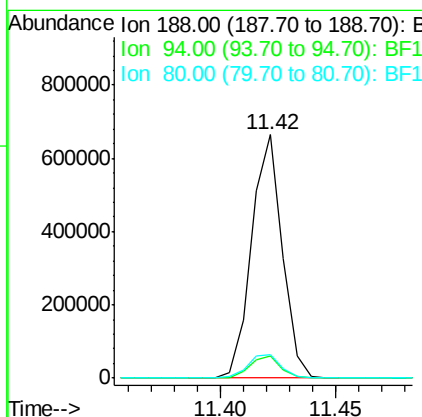
Manual Integrations
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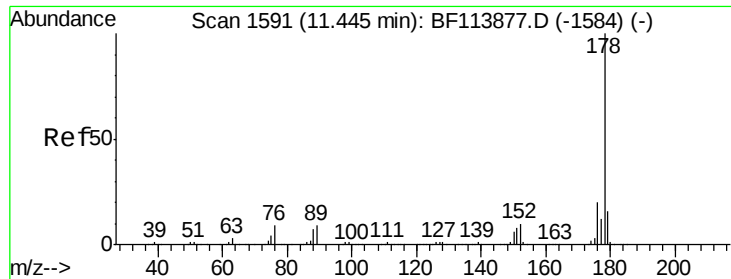
Sohil
 4/23/2019 4:08:22 PM



#64
Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.42 min Scan# 1587
 Delta R.T. 0.01 min
 Lab File: BF113902.D
 Acq: 23 Apr 2019 2:13

Tgt Ion	Ratio	Resp	Lower	Upper
188	100	616518		
94	8.9	8.2	12.4	
80	9.7	9.0	13.6	





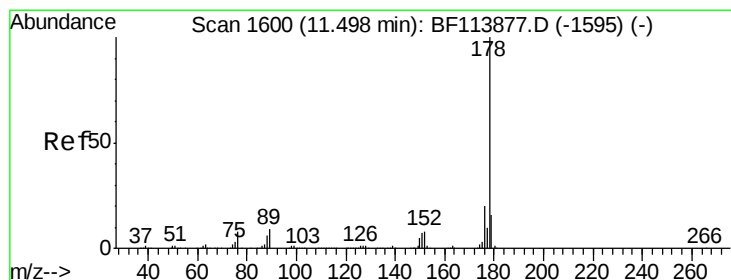
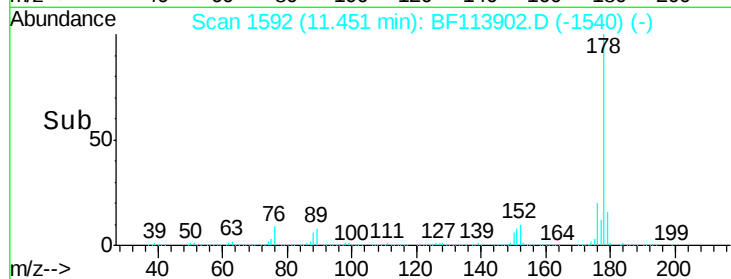
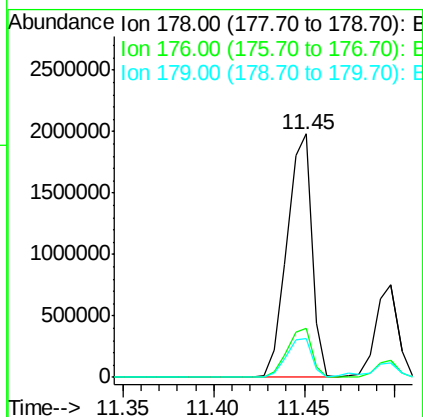
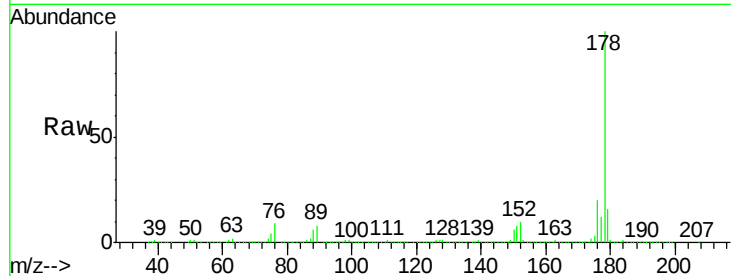
#71
Phenanthrene
Concen: 61.604 ng
RT: 11.45 min Scan# 1592
Delta R.T. 0.01 min
Lab File: BF113902.D
Acq: 23 Apr 2019 2:13

Instrument :
BNA_F
ClientSampleId :
PL-01-041819-B

Tgt Ion:178 Resp: 1908704
Ion Ratio Lower Upper
178 100
176 20.4 16.1 24.1
179 16.1 12.8 19.2

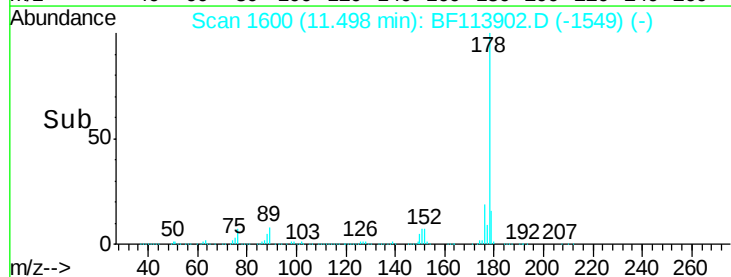
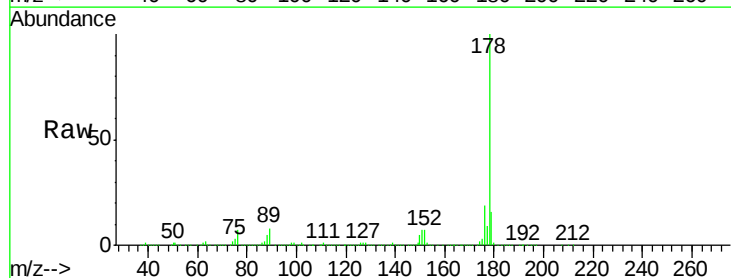
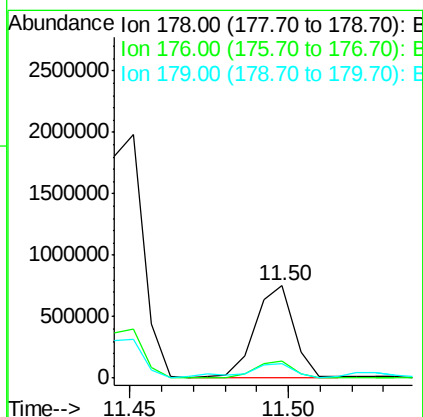
Manual Integrations
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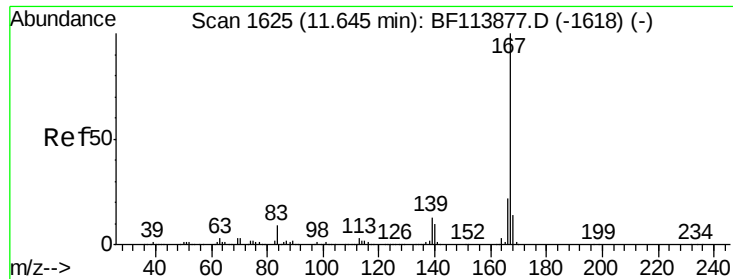
Sohil
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#72
Anthracene
Concen: 20.172 ng
RT: 11.50 min Scan# 1600
Delta R.T. 0.00 min
Lab File: BF113902.D
Acq: 23 Apr 2019 2:13

Tgt Ion:178 Resp: 631145
Ion Ratio Lower Upper
178 100
176 18.9 15.7 23.5
179 15.7 13.0 19.4





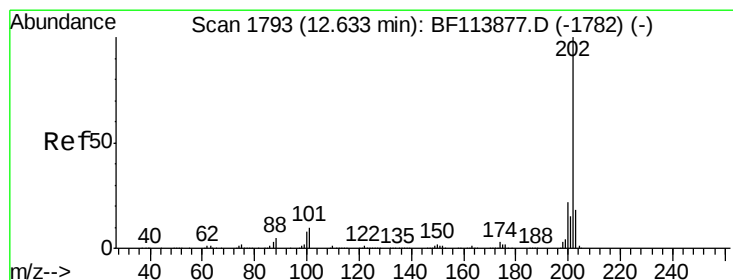
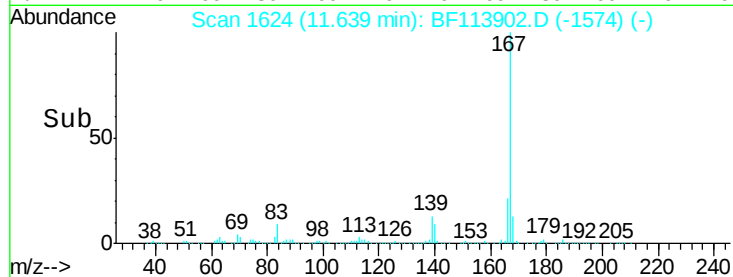
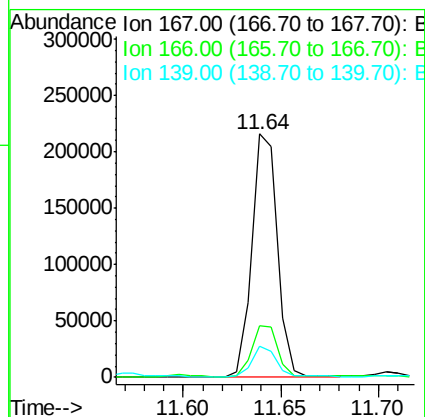
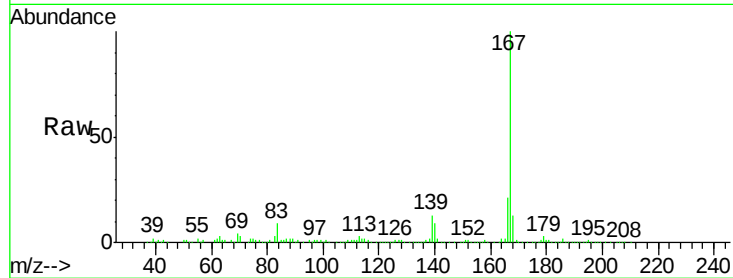
#73
 Carbazole
 Concen: 6.968 ng
 RT: 11.64 min Scan# 1624
 Delta R.T. -0.01 min
 Lab File: BF113902.D
 Acq: 23 Apr 2019 2:13

Instrument :
 BNA_F
 ClientSampleId :
 PL-01-041819-B

Tgt Ion	Ratio	Resp	Lower	Upper
167	100	194513		
166	21.0		17.7	26.5
139	12.7		10.0	15.0

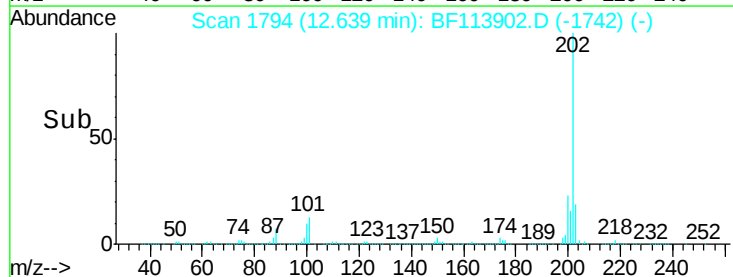
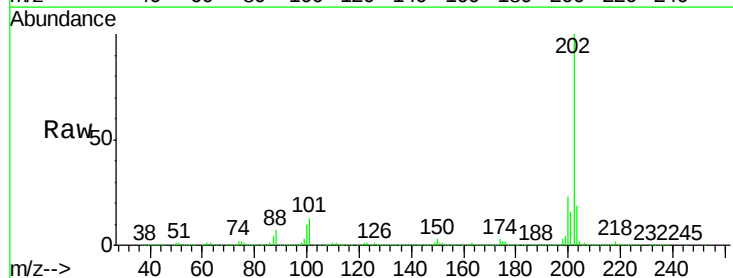
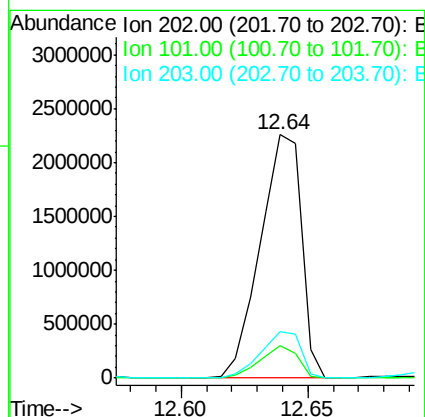
Manual Integrations
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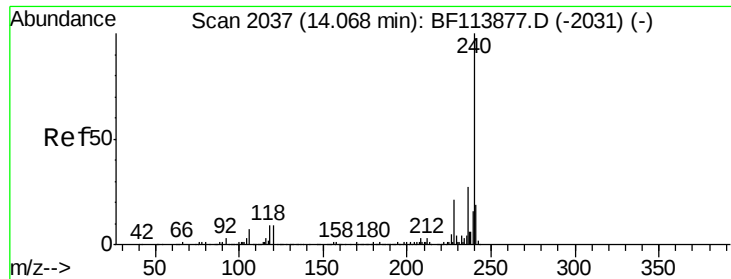
Sohil
 4/23/2019 4:08:22 PM



#75
 Fluoranthene
 Concen: 75.185 ng
 RT: 12.64 min Scan# 1794
 Delta R.T. 0.01 min
 Lab File: BF113902.D
 Acq: 23 Apr 2019 2:13

Tgt Ion	Ratio	Resp	Lower	Upper
202	100	2541536		
101	13.1		0.0	32.9
203	19.3		0.0	38.2





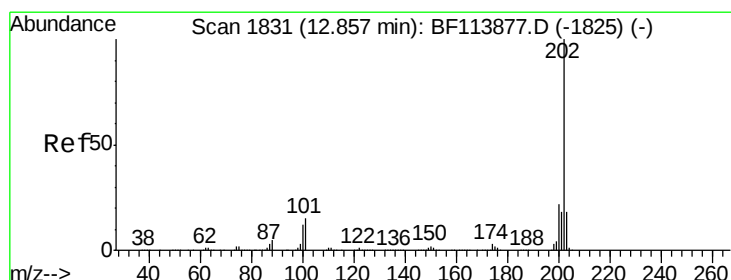
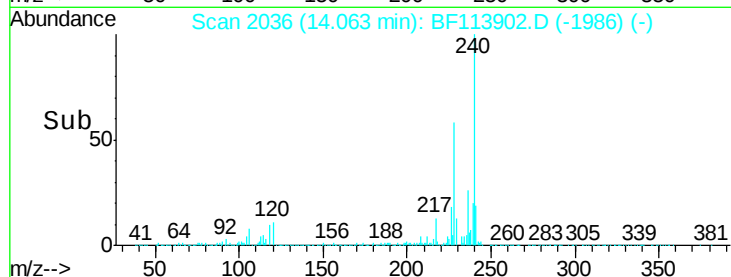
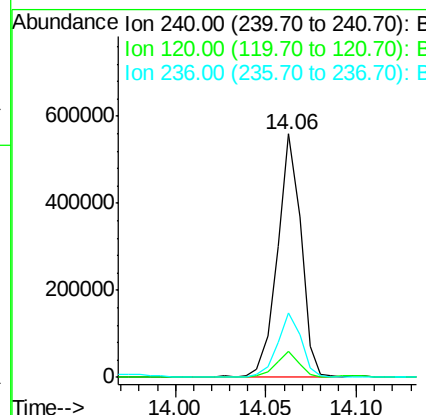
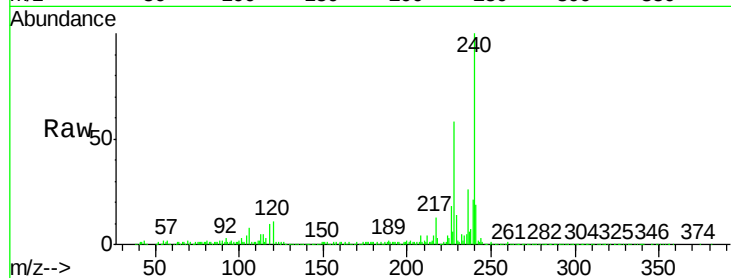
#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.06 min Scan# 2036
Delta R.T. -0.01 min
Lab File: BF113902.D
Acq: 23 Apr 2019 2:13

Instrument :
BNA_F
ClientSampleId :
PL-01-041819-B

Tgt Ion	Ratio	Lower	Upper
240	100		
120	10.8	9.3	13.9
236	26.3	21.2	31.8

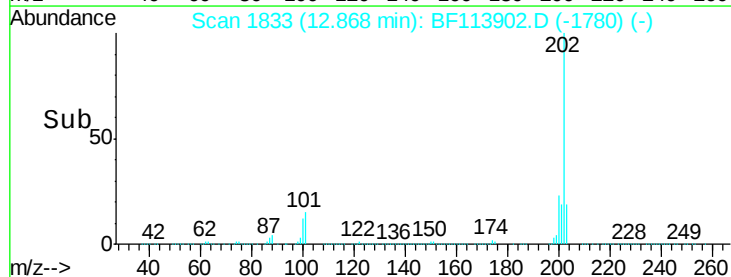
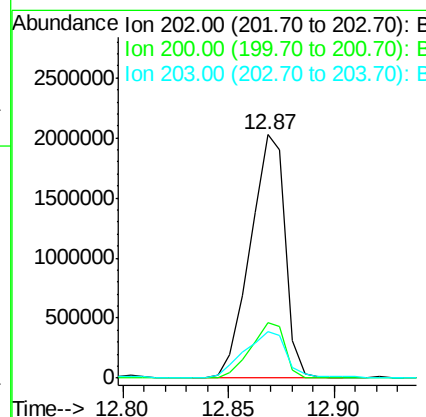
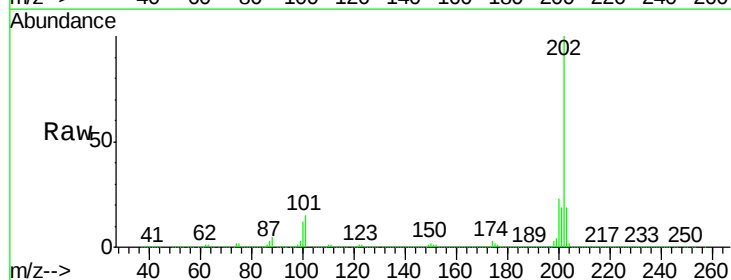
Manual Integrations
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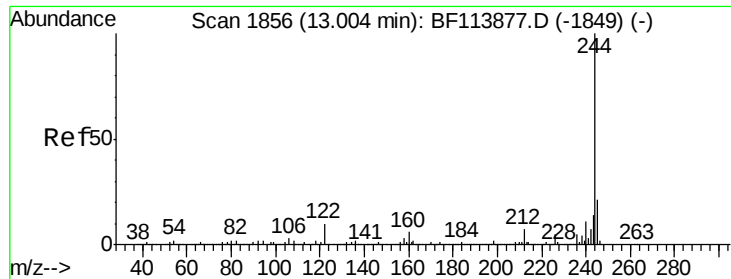
Sohil
4/23/2019 4:08:22 PM



#78
Pyrene
Concen: 65.837 ng
RT: 12.87 min Scan# 1833
Delta R.T. 0.01 min
Lab File: BF113902.D
Acq: 23 Apr 2019 2:13

Tgt Ion	Ratio	Lower	Upper
202	100		
200	22.6	17.7	26.5
203	19.3	15.0	22.6





#79

Terphenyl-d14

Concen: 15.142 ng

RT: 13.00 min Scan# 1855

Delta R.T. -0.01 min

Lab File: BF113902.D

Acq: 23 Apr 2019 2:13

Instrument :

BNA_F

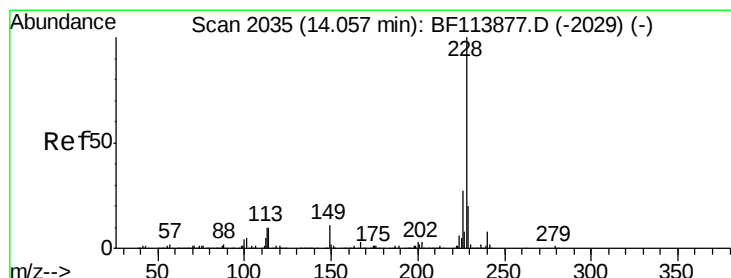
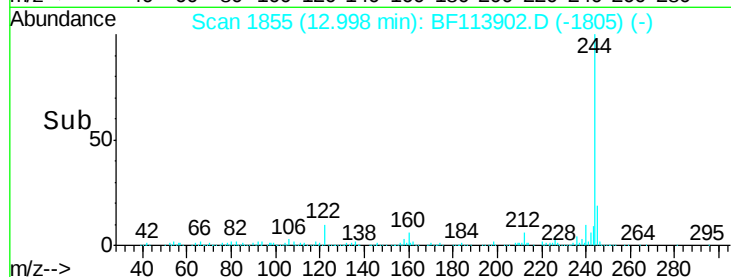
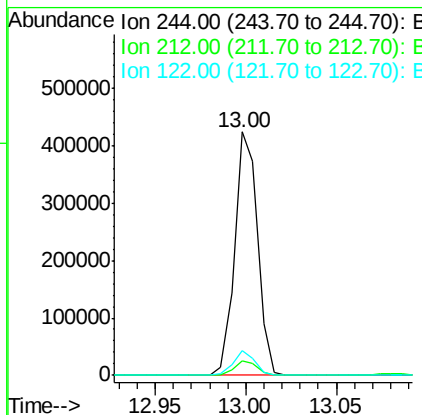
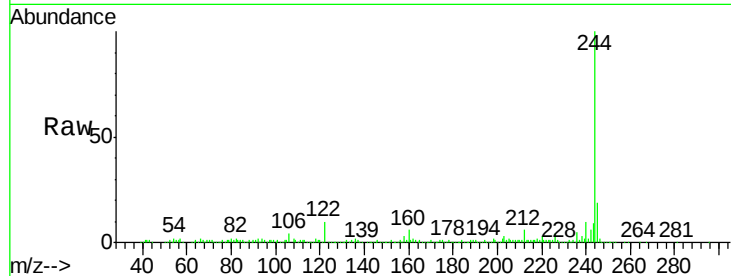
ClientSampleId :

PL-01-041819-B

Tgt Ion:	244	Resp:	371335
Ion Ratio	Lower	Upper	
244	100		
212	6.2	5.4	8.2
122	10.3	7.6	11.4

Manual Integrations
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#81

Benzo(a)anthracene

Concen: 41.061 ng

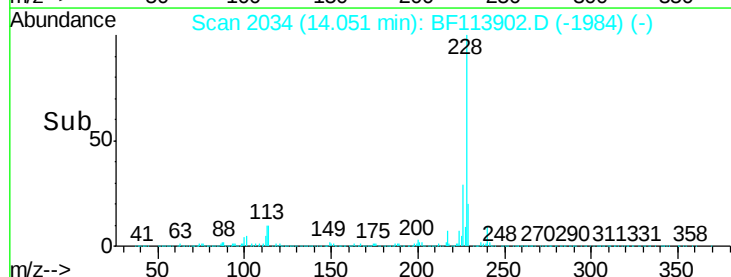
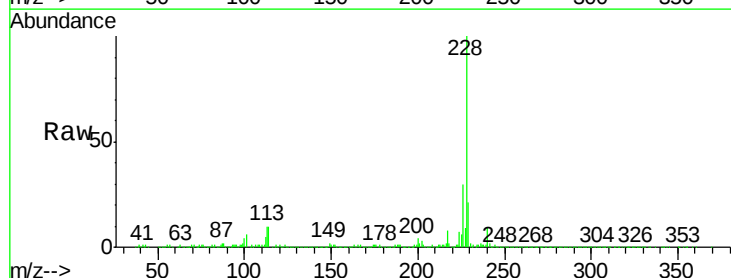
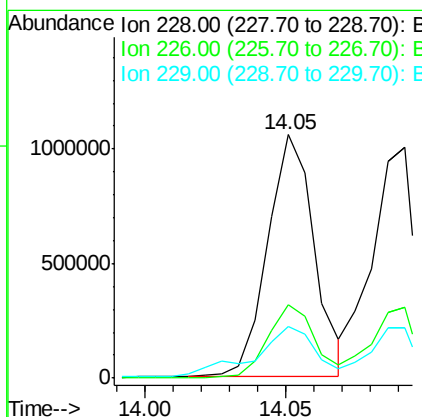
RT: 14.05 min Scan# 2034

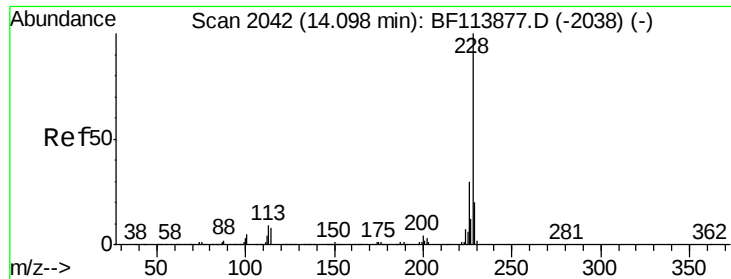
Delta R.T. -0.01 min

Lab File: BF113902.D

Acq: 23 Apr 2019 2:13

Tgt Ion:	228	Resp:	1216348
Ion Ratio	Lower	Upper	
228	100		
226	29.9	22.2	33.2
229	21.2	16.0	24.0





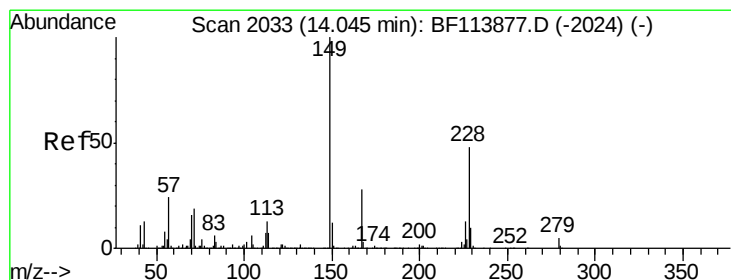
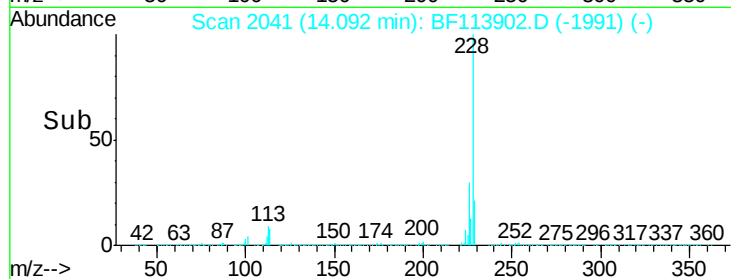
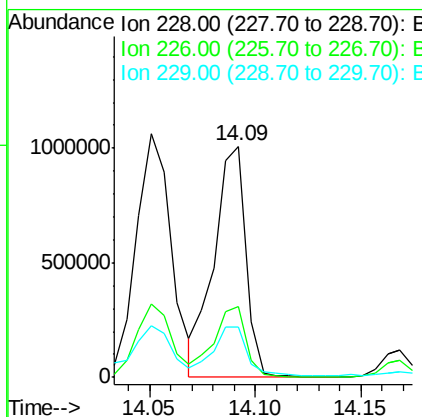
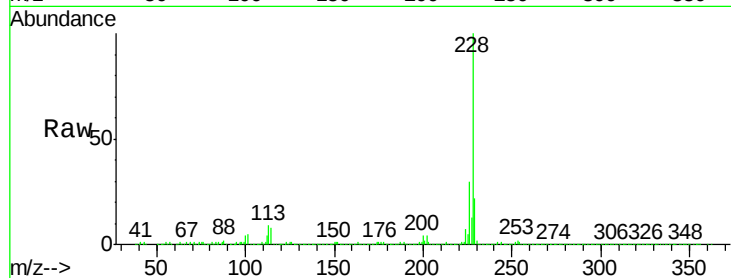
#83
Chrysene
Concen: 36.282 ng
RT: 14.09 min Scan# 2041
Delta R.T. -0.01 min
Lab File: BF113902.D
Acq: 23 Apr 2019 2:13

Instrument :
BNA_F
ClientSampleId :
PL-01-041819-B

Tgt Ion: 228 Resp: 1046747
Ion Ratio Lower Upper
228 100
226 30.4 25.2 37.8
229 22.0 16.7 25.1

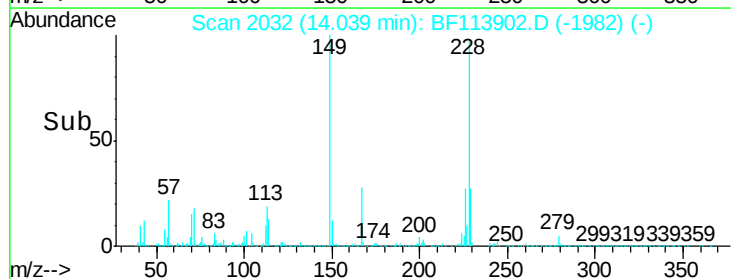
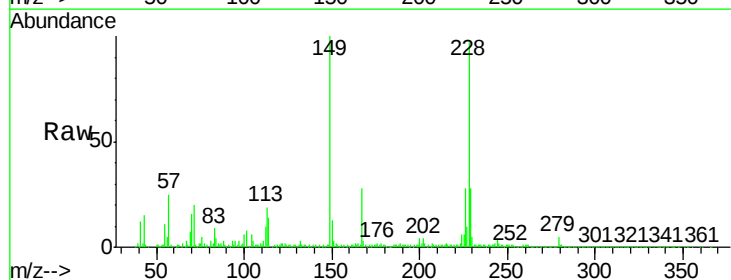
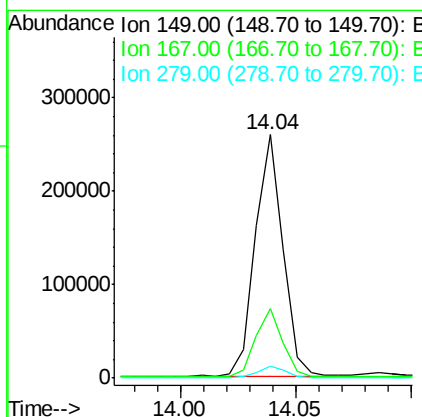
Manual Integrations
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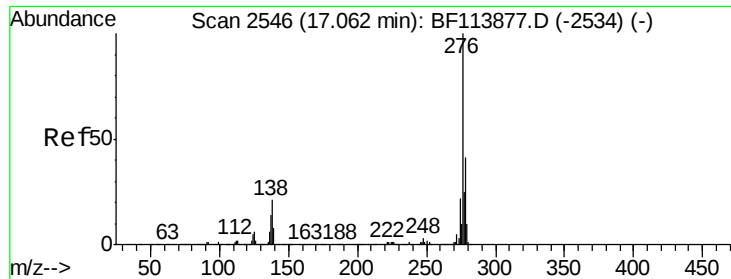
Sohil
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#84
Bis(2-ethylhexyl)phthalate
Concen: 12.259 ng
RT: 14.04 min Scan# 2032
Delta R.T. -0.01 min
Lab File: BF113902.D
Acq: 23 Apr 2019 2:13

Tgt Ion: 149 Resp: 215775
Ion Ratio Lower Upper
149 100
167 28.5 22.9 34.3
279 4.7 4.2 6.2





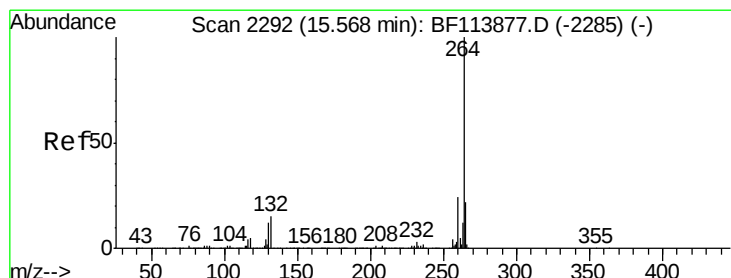
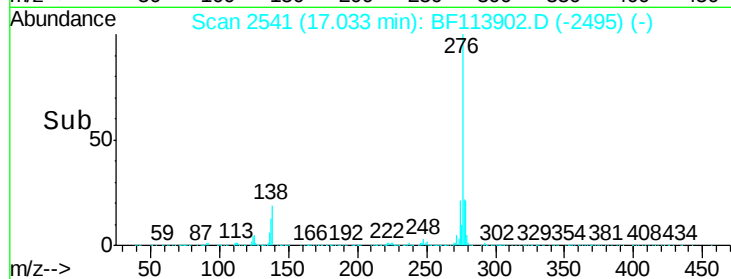
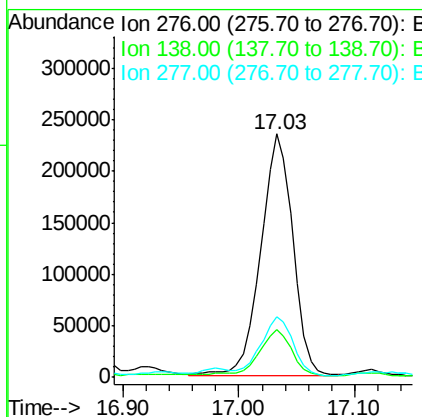
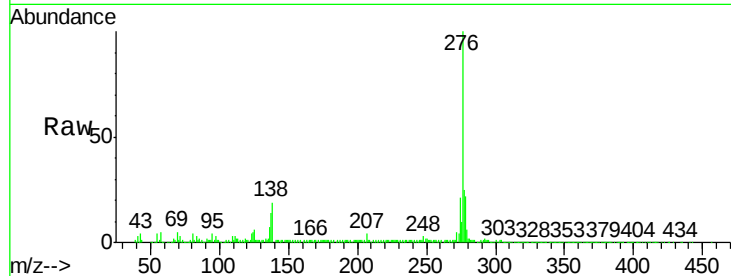
#86
 Indeno(1,2,3-cd)pyrene
 Concen: 16.570 ng
 RT: 17.03 min Scan# 2541
 Delta R.T. -0.03 min
 Lab File: BF113902.D
 Acq: 23 Apr 2019 2:13

Instrument :
 BNA_F
 ClientSampleId :
 PL-01-041819-B

Tgt Ion	Ratio	Lower	Upper
276	100		
138	20.1	19.6	29.4
277	23.9	20.2	30.4

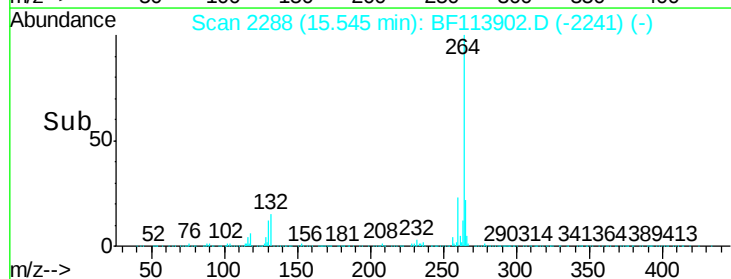
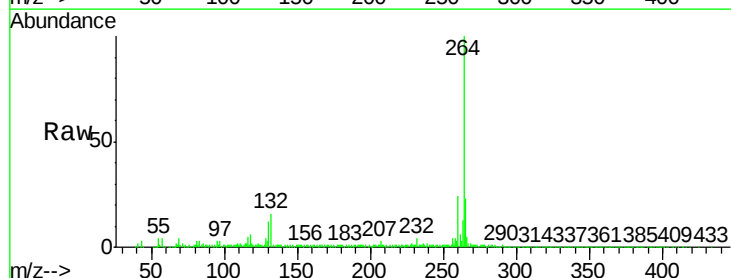
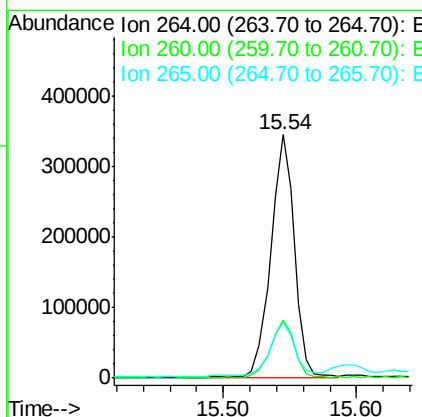
Manual Integrations
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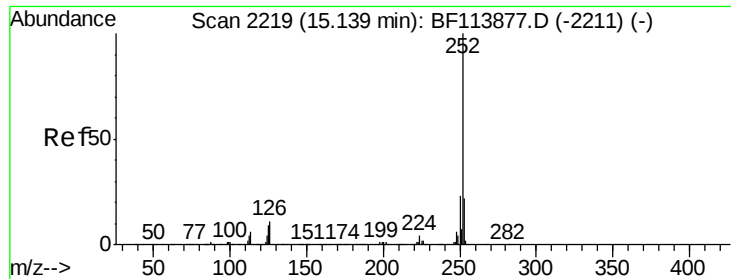
Sohil
 4/23/2019 4:08:22 PM



#87
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.54 min Scan# 2288
 Delta R.T. -0.02 min
 Lab File: BF113902.D
 Acq: 23 Apr 2019 2:13

Tgt Ion	Ratio	Lower	Upper
264	100		
260	23.8	18.9	28.3
265	22.5	17.3	25.9





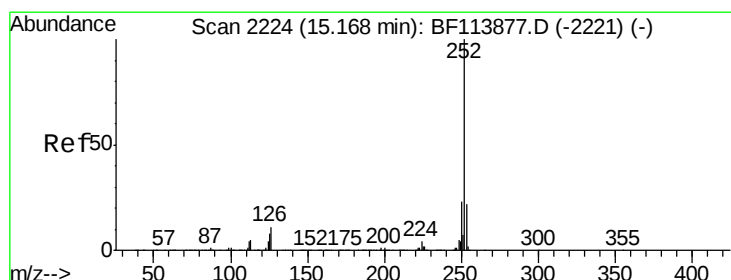
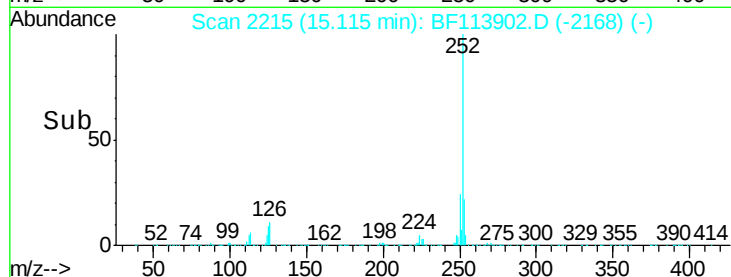
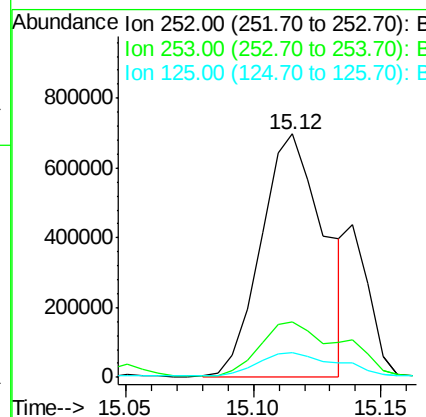
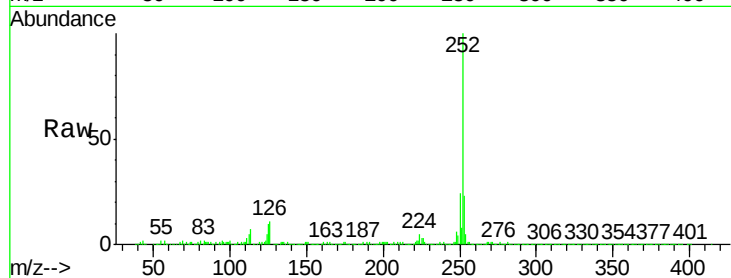
#88
Benzo(b)fluoranthene
Concen: 44.615 ng m
RT: 15.12 min Scan# 2215
Delta R.T. -0.02 min
Lab File: BF113902.D
Acq: 23 Apr 2019 2:13

Instrument :
BNA_F
ClientSampleId :
PL-01-041819-B

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.6	17.8	26.6
125	10.1	7.0	10.6

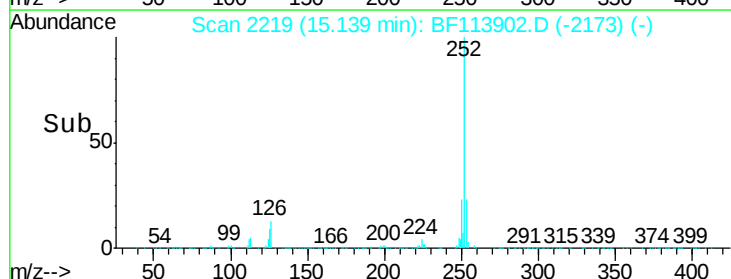
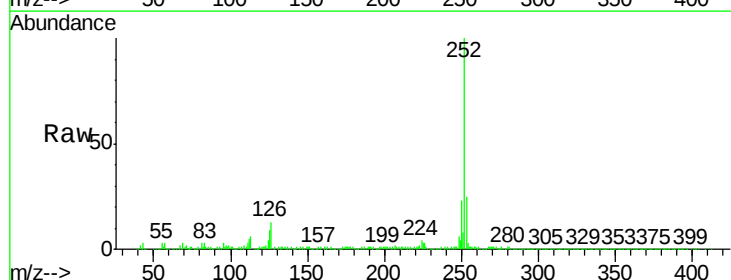
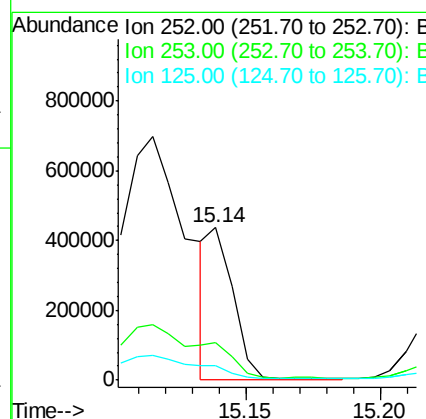
Manual Integrations
APPROVED

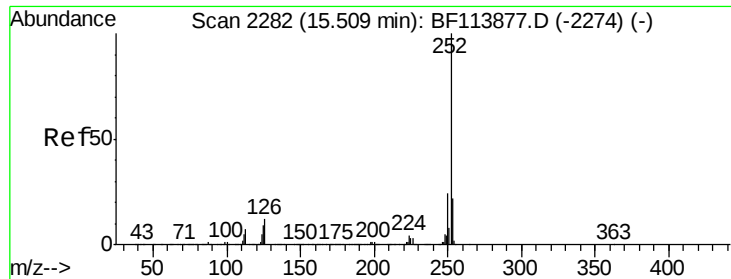
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#89
Benzo(k)fluoranthene
Concen: 11.907 ng m
RT: 15.14 min Scan# 2219
Delta R.T. -0.03 min
Lab File: BF113902.D
Acq: 23 Apr 2019 2:13

Tgt Ion	Ratio	Lower	Upper
252	100		
253	24.7	18.2	27.2
125	9.5	7.4	11.2





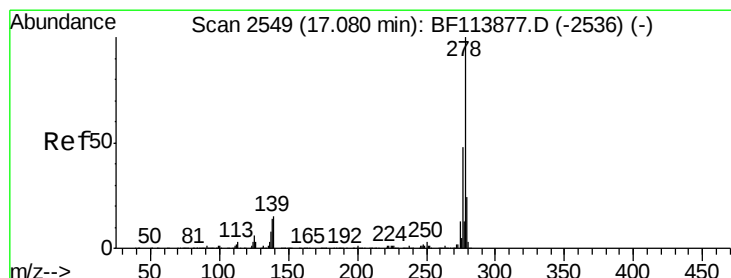
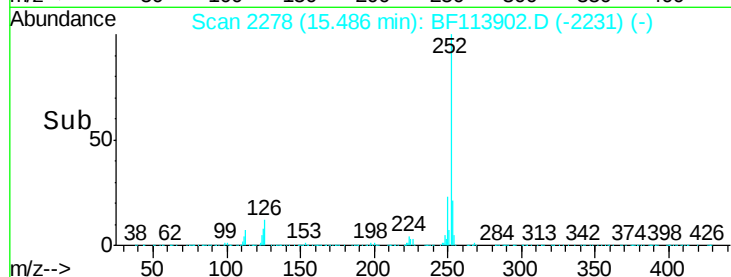
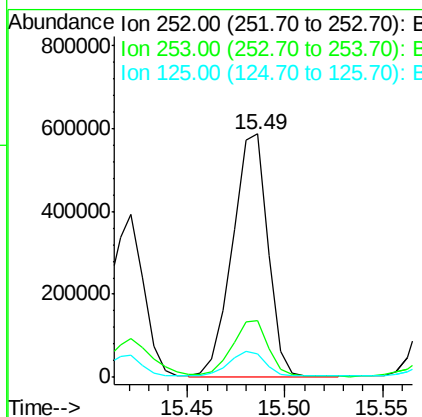
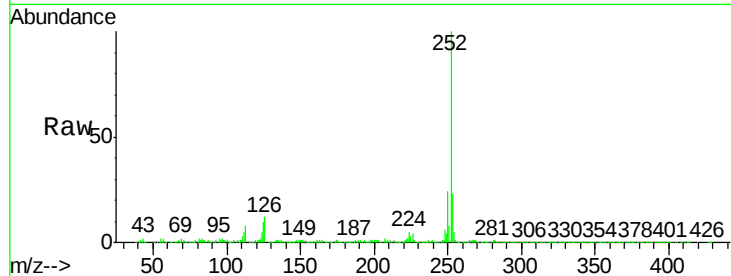
#90
Benzo(a)pyrene
Concen: 31.752 ng
RT: 15.49 min Scan# 2278
Delta R.T. -0.02 min
Lab File: BF113902.D
Acq: 23 Apr 2019 2:13

Instrument :
BNA_F
ClientSampleId :
PL-01-041819-B

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.2	17.5	26.3
125	9.8	8.5	12.7

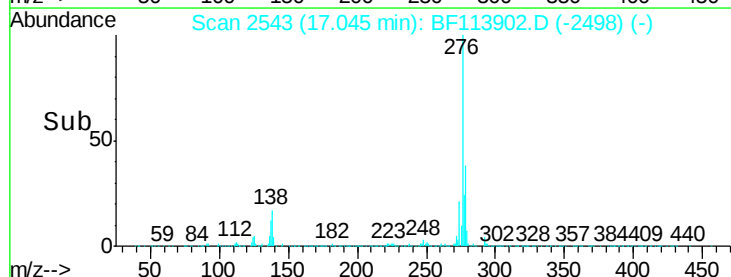
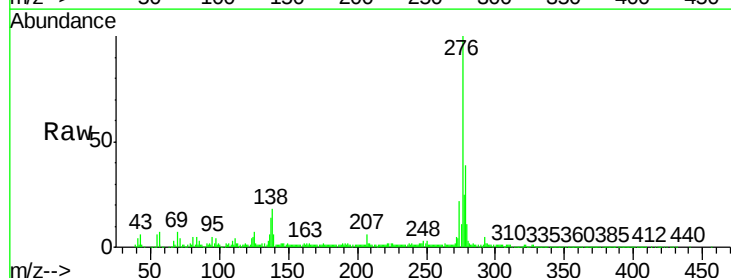
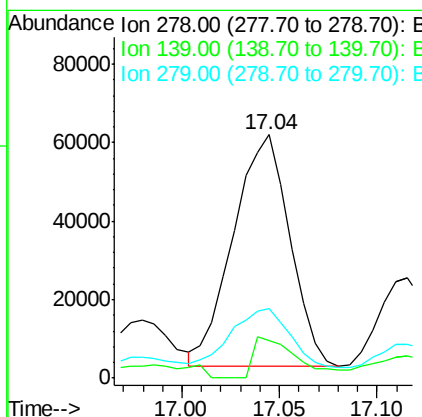
Manual Integrations
APPROVED

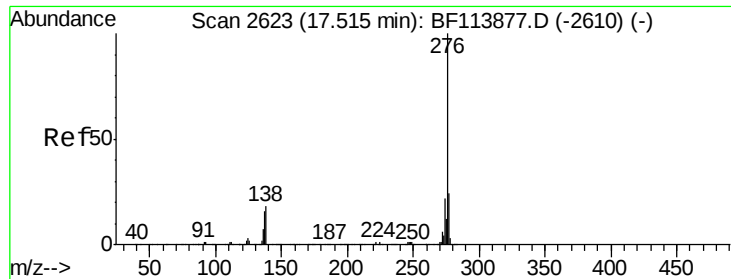
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#91
Dibenzo(a,h)anthracene
Concen: 5.473 ng
RT: 17.04 min Scan# 2543
Delta R.T. -0.04 min
Lab File: BF113902.D
Acq: 23 Apr 2019 2:13

Tgt Ion	Ratio	Lower	Upper
278	100		
139	15.3	11.6	17.4
279	28.3	19.0	28.6





#92
 Benzo(g,h,i)perylene
 Concen: 18.075 ng
 RT: 17.49 min Scan# 2618
 Delta R.T. -0.03 min
 Lab File: BF113902.D
 Acq: 23 Apr 2019 2:13

Instrument :
 BNA_F
 ClientSampleId :
 PL-01-041819-B

Tgt	Ion	Ratio	Resp	Lower	Upper
276	100		395859		
277	24.4	19.0	28.4		
138	19.3	16.6	25.0		

Manual Integrations
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