

Data Path : \\74.0.250.170\SV0ASRV\HPCHEM1\BNA F\DATA\BF120117\
 Data File : BF101061.D
 Acq On : 1 Dec 2017 14:24
 Operator : SJ/JU
 Sample : I6612-01DL 10X
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 RT-3460DL

Manual Integrations
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Sohil
 12/4/2017 11:56:29 AM

Quant Time: Dec 01 16:07:24 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF113017.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Dec 01 15:52:19 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.85	152	52823	20.00	ng	0.00
21) Naphthalene-d8	8.13	136	209468	20.00	ng	0.00
38) Acenaphthene-d10	9.88	164	98793	20.00	ng	0.00
63) Phenanthrene-d10	11.37	188	196301	20.00	ng	0.00
75) Chrysene-d12	14.02	240	135148	20.00	ng	0.00
86) Perylene-d12	15.49	264	115521	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.45	112	32249	10.09	ng	-0.01
7) Phenol-d6	6.47	99	40454	10.42	ng	-0.01
23) Nitrobenzene-d5	7.40	82	23872	6.80	ng	-0.01
41) 2,4,6-Tribromophenol	10.67	330	7180	6.05	ng	-0.01
44) 2-Fluorobiphenyl	9.20	172	56159	7.78	ng	-0.01
78) Terphenyl-d14	12.95	244	56505	9.14	ng	-0.01
Target Compounds						Qvalue
31) Naphthalene	8.15	128	38985	3.776	ng	98
37) 2-Methylnaphthalene	8.84	142	24869	3.545	ng	98
48) Acenaphthylene	9.75	152	27337	2.588	ng	96
51) Acenaphthene	9.92	154	23391	3.698	ng	98
54) Dibenzofuran	10.09	168	42902	4.706	ng	96
57) Fluorene	10.43	166	81726	11.029	ng	100
70) Phenanthrene	11.40	178	675830	62.518	ng	98
71) Anthracene	11.45	178	127240	11.630	ng	100
72) Carbazole	11.60	167	50580	5.060	ng	97
74) Fluoranthene	12.60	202	775470	64.714	ng	94
77) Pyrene	12.83	202	685701	73.529	ng	99
80) Benzo(a)anthracene	14.01	228	274405	32.158	ng	98
82) Chrysene	14.04	228	261123	32.950	ng	97
85) Indeno(1,2,3-cd)pyrene	16.96	276	117233	16.639	ng	# 89
87) Benzo(b)fluoranthene	15.06	252	219039m	31.656	ng	
88) Benzo(k)fluoranthene	15.09	252	81148m	11.903	ng	
89) Benzo(a)pyrene	15.43	252	165011m	26.231	ng	
90) Dibenzo(a,h)anthracene	16.97	278	30214m	5.448	ng	
91) Benzo(a,h,i)perylene	17.42	276	118059	22.589	ng	# 92

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

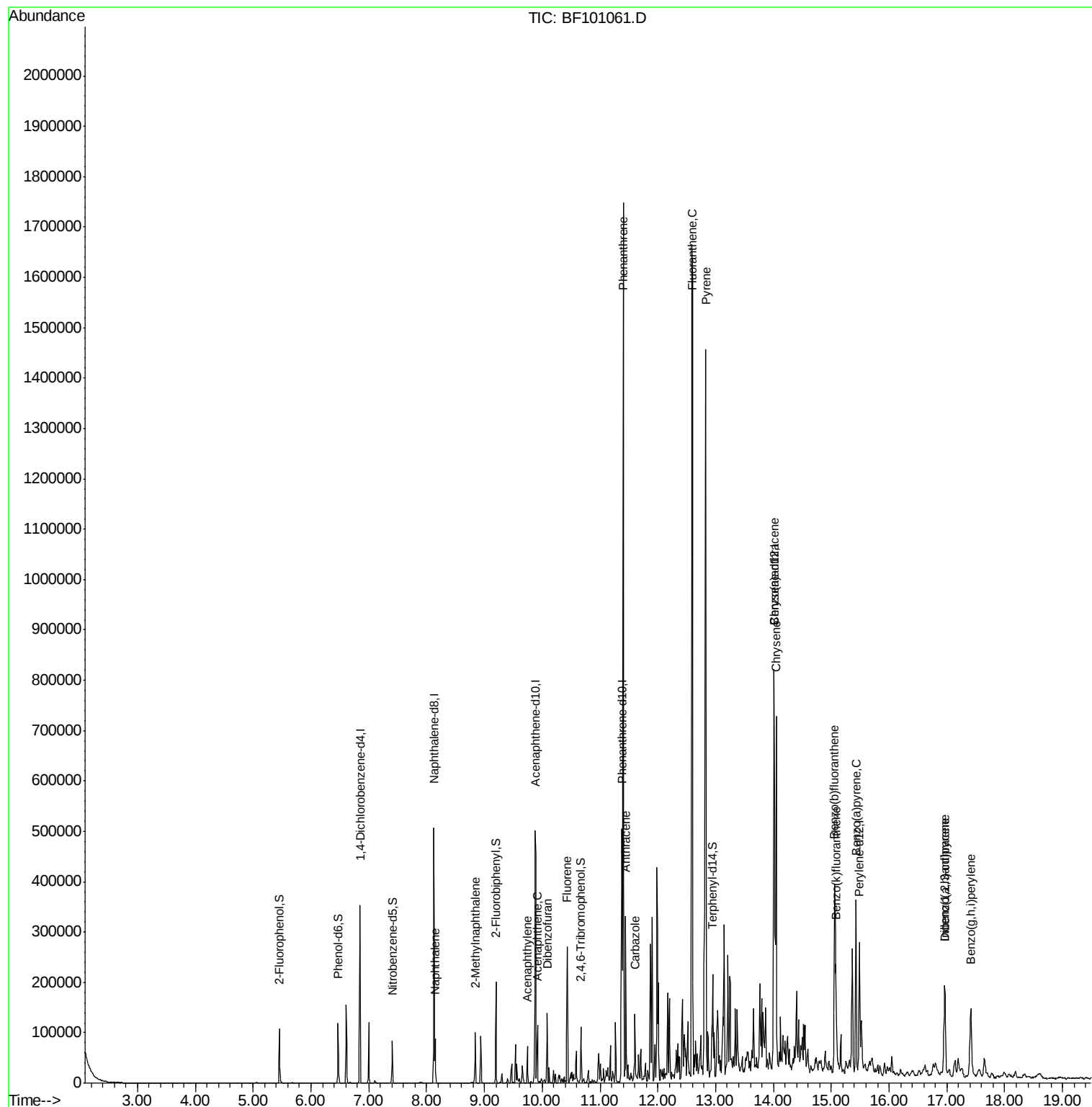
Data Path : \\74.0.250.170\SV0ASRV\HPCHEM1\BNA F\DATA\BF120117\
Data File : BF101061.D
Acq On : 1 Dec 2017 14:24
Operator : SJ/JU
Sample : I6612-01DL 10X
Misc :
ALS Vial : 7 Sample Multiplier: 1

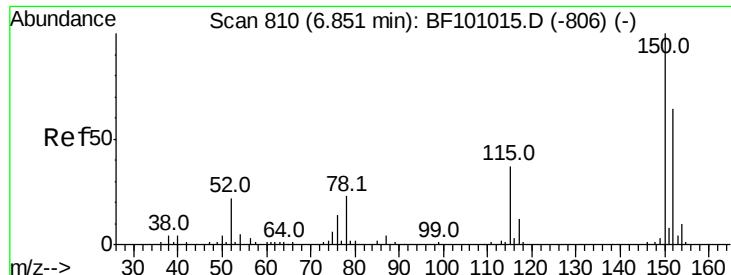
Instrument :
BNA_F
ClientSampleId :
RT-3460DL

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Quant Time: Dec 01 16:07:24 2017
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF113017.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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#1

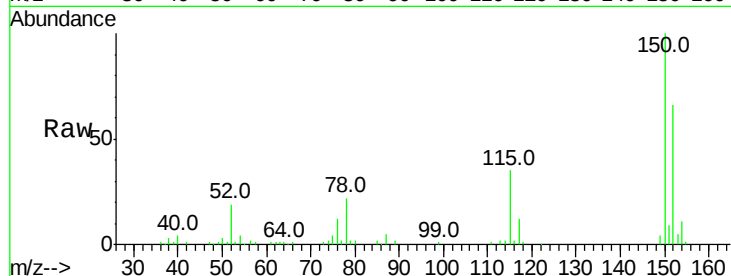
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.85 min Scan# 809
Delta R.T. 0.00 min
Lab File: BF101061.D
Acq: 1 Dec 2017 14:24

Instrument :
BNA_F
ClientSampled :
RT-3460DL

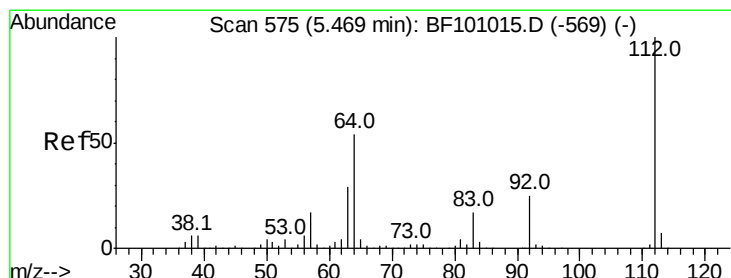
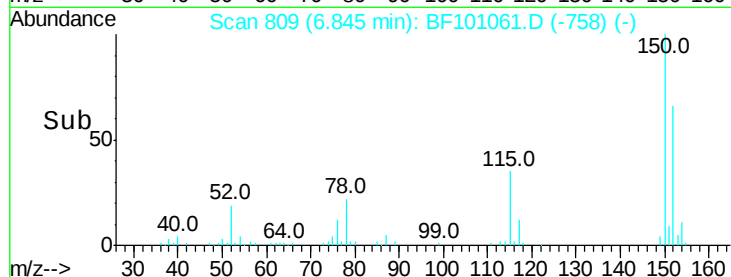
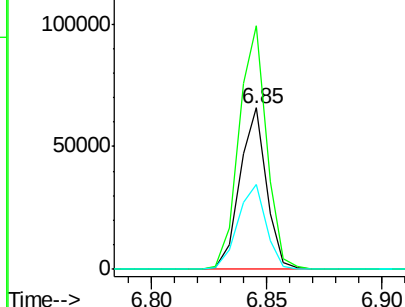
Tot Ion	Ratio	Lower	Upper
152	100		
150	151.1	124.6	186.8
115	52.8	50.1	75.1

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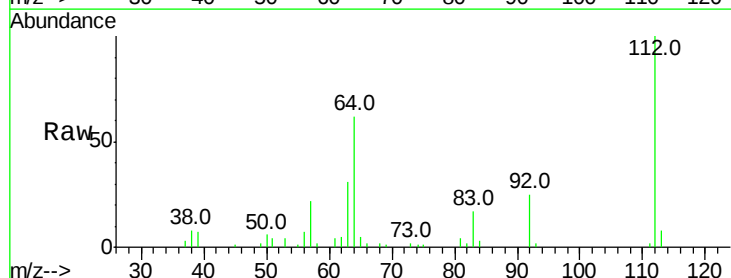
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



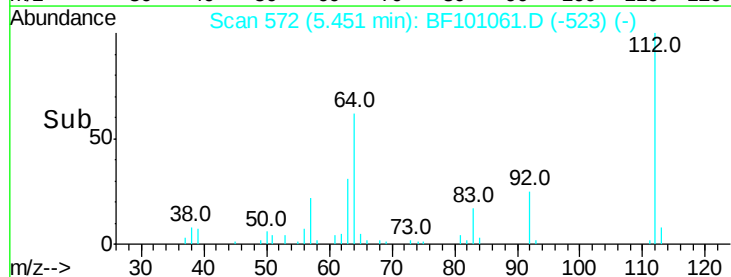
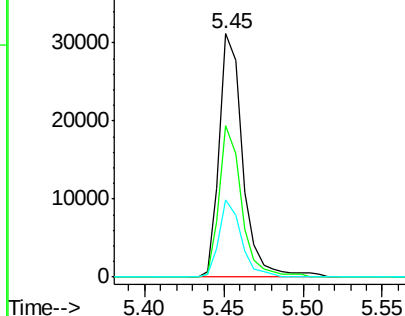
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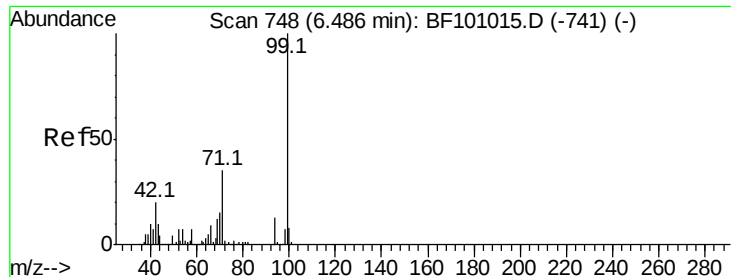
2-Fluorophenol
Concen: 10.088 ng
RT: 5.45 min Scan# 572
Delta R.T. -0.01 min
Lab File: BF101061.D
Acq: 1 Dec 2017 14:24

Tgt Ion	Ratio	Lower	Upper
112	100		
64	62.0	47.9	71.9
63	31.5	23.7	35.5



Abundance Ion 112.00 (111.70 to 112.70): E
Ion 64.00 (63.70 to 64.70): BF1
Ion 63.00 (62.70 to 63.70): BF1





#7

Phenol-d6

Concen: 10.423 ng

RT: 6.47 min Scan# 745

Delta R.T. -0.01 min

Lab File: BF101061.D

Acq: 1 Dec 2017 14:24

Instrument :

BNA_F

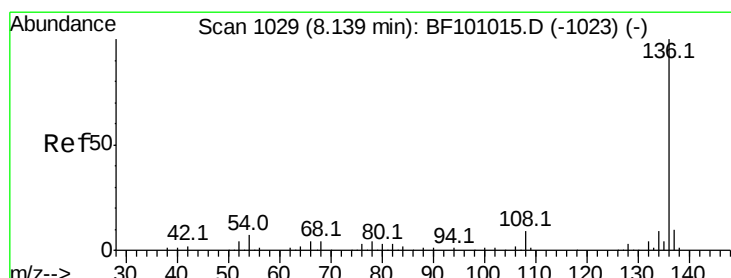
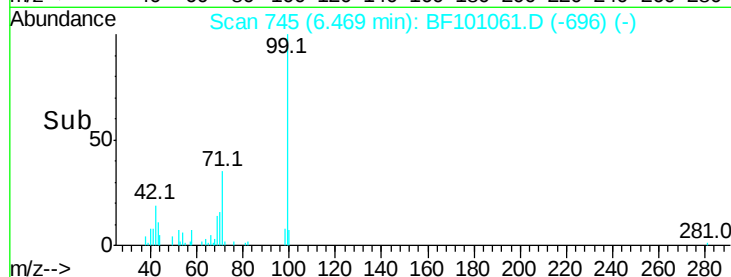
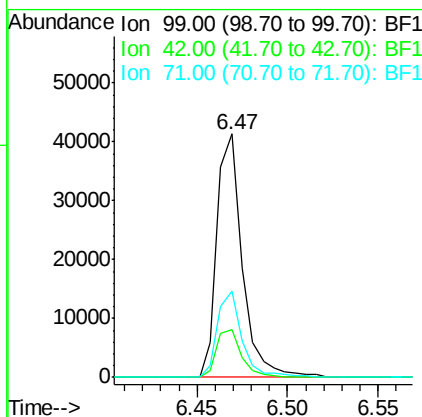
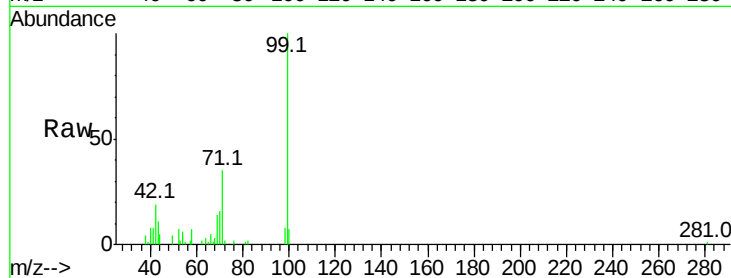
ClientSampled :

RT-3460DL

Tot Ion:	99	Resp:	40454
Ion Ratio	Lower	Upper	
99	100		
42	19.5	14.5	21.7
71	35.3	25.4	38.0

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#21

Naphthalene-d8

Concen: 20.000 ng

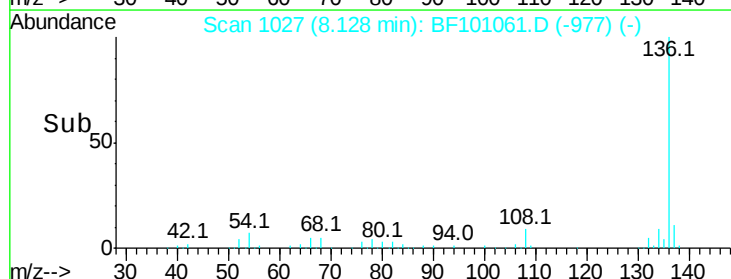
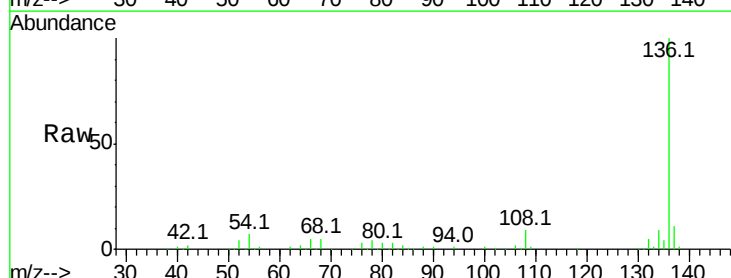
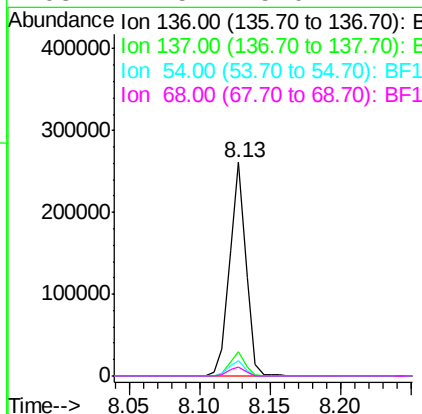
RT: 8.13 min Scan# 1027

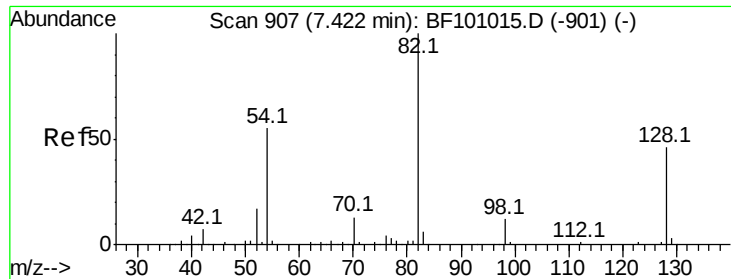
Delta R.T. -0.01 min

Lab File: BF101061.D

Acq: 1 Dec 2017 14:24

Tgt Ion:	136	Resp:	209468
Ion Ratio	Lower	Upper	
136	100		
137	11.1	8.9	13.3
54	7.4	6.6	9.8
68	4.5	5.0	7.4#





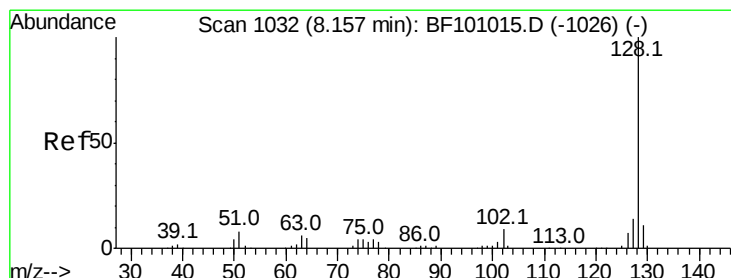
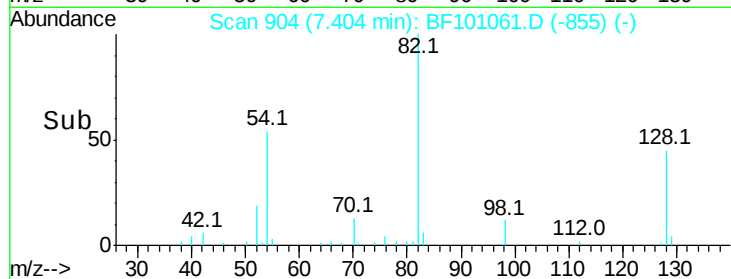
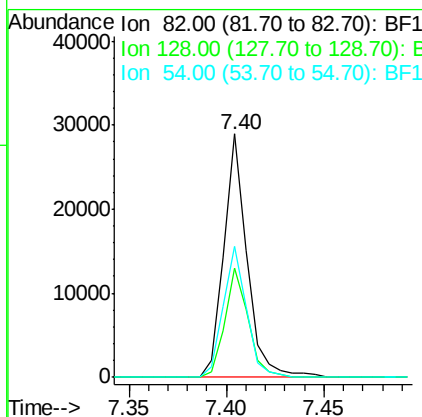
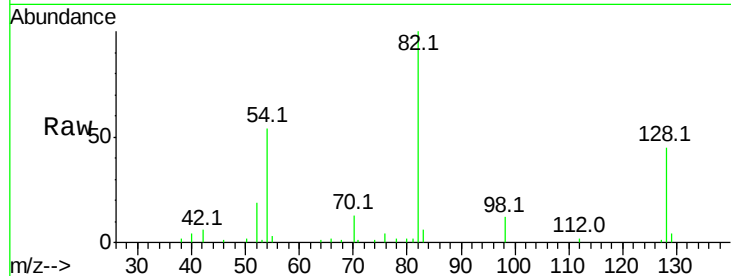
#23
Nitrobenzene-d5
Concen: 6.798 ng
RT: 7.40 min Scan# 904
Delta R.T. -0.01 min
Lab File: BF101061.D
Acq: 1 Dec 2017 14:24

Instrument :
BNA_F
ClientSampleId :
RT-3460DL

Tot Ion	Ratio	Lower	Upper
82	100		
128	44.9	36.1	54.1
54	54.0	41.4	62.2

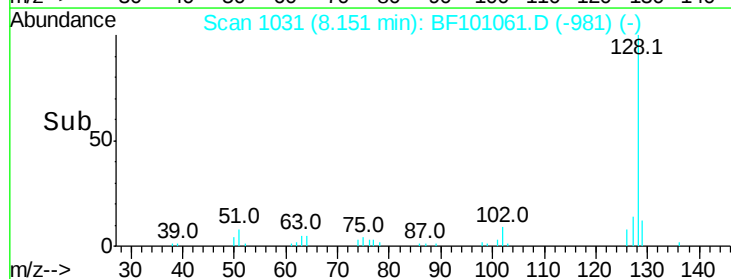
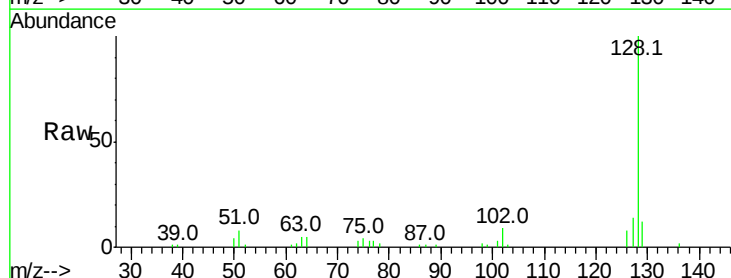
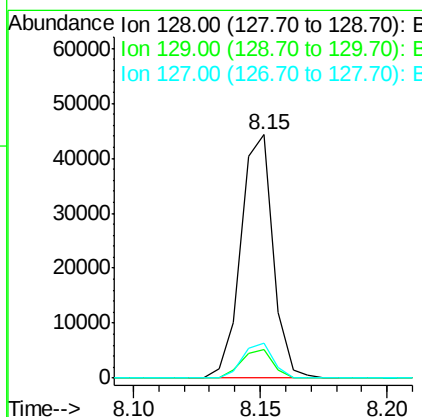
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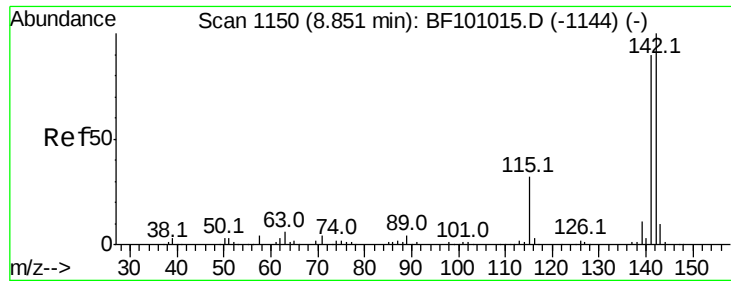
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#31
Naphthalene
Concen: 3.776 ng
RT: 8.15 min Scan# 1031
Delta R.T. -0.01 min
Lab File: BF101061.D
Acq: 1 Dec 2017 14:24

Tgt Ion	Ratio	Lower	Upper
128	100		
129	11.7	8.8	13.2
127	14.2	10.9	16.3





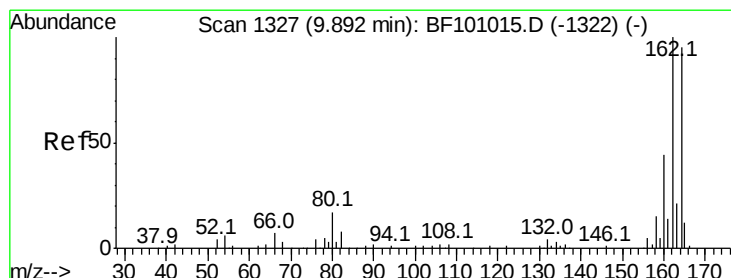
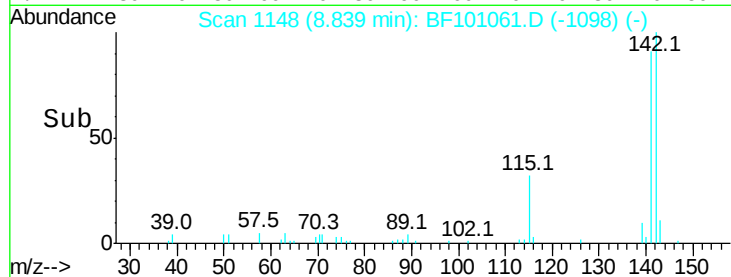
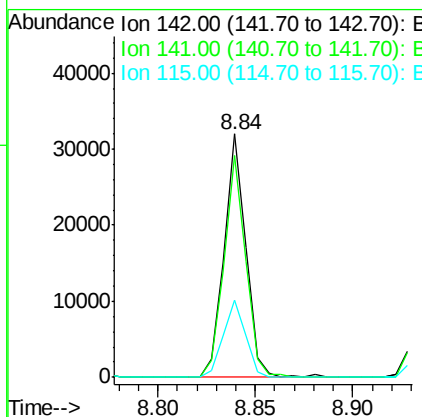
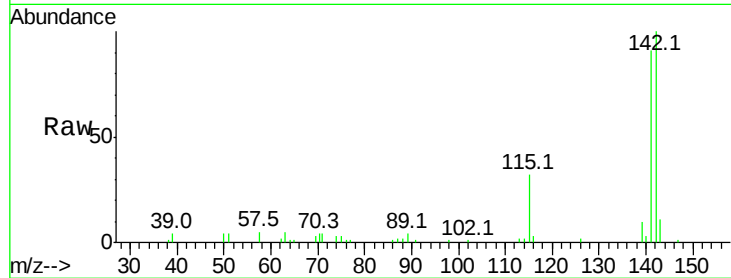
#37
2-Methylnaphthalene
Concen: 3.545 ng
RT: 8.84 min Scan# 1148
Delta R.T. -0.01 min
Lab File: BF101061.D
Acq: 1 Dec 2017 14:24

Instrument :
BNA_F
ClientSampleId :
RT-3460DL

Tot Ion	Ratio	Lower	Upper
142	100		
141	90.9	70.8	106.2
115	31.9	26.1	39.1

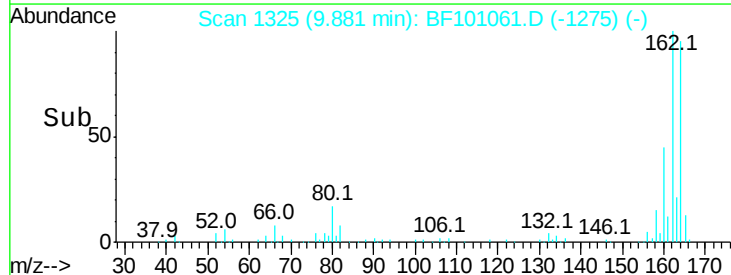
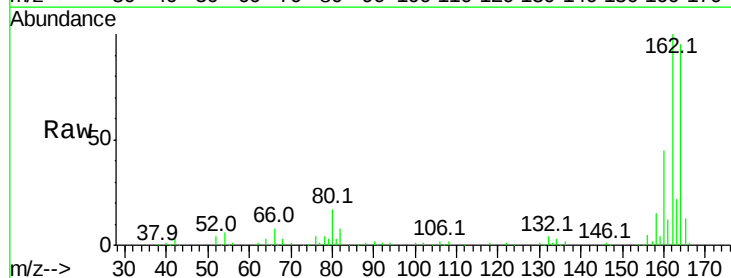
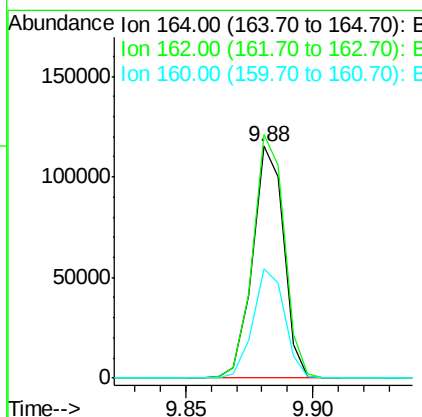
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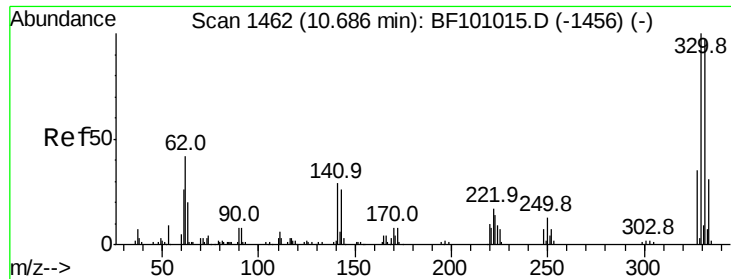
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#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.88 min Scan# 1325
Delta R.T. -0.01 min
Lab File: BF101061.D
Acq: 1 Dec 2017 14:24

Tgt Ion	Ratio	Lower	Upper
164	100		
162	105.1	86.1	129.1
160	47.4	38.3	57.5





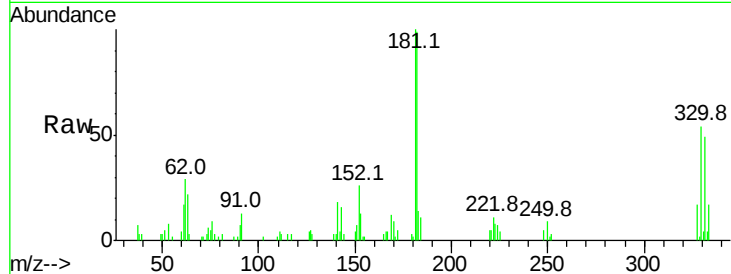
#41
 2,4,6-Tribromophenol
 Concen: 6.050 ng
 RT: 10.67 min Scan# 1459
 Delta R.T. -0.01 min
 Lab File: BF101061.D
 Acq: 1 Dec 2017 14:24

Instrument :
 BNA_F
 ClientSampleID :
 RT-3460DL

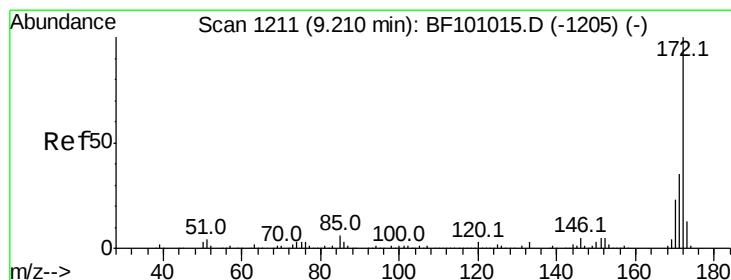
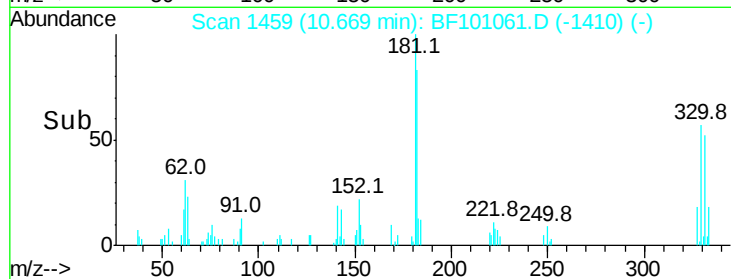
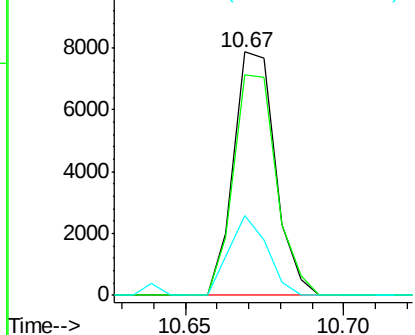
Tot Ion	Ratio	Lower	Upper
330	100		
332	93.4	77.0	115.6
141	29.7	29.9	44.9#

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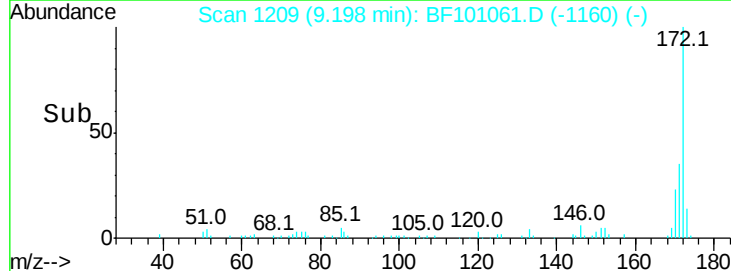
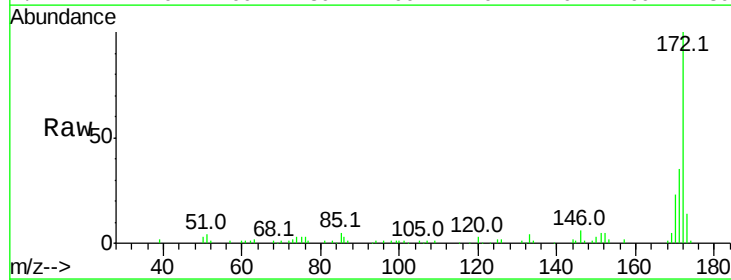
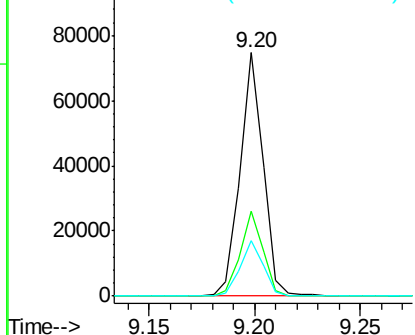
Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

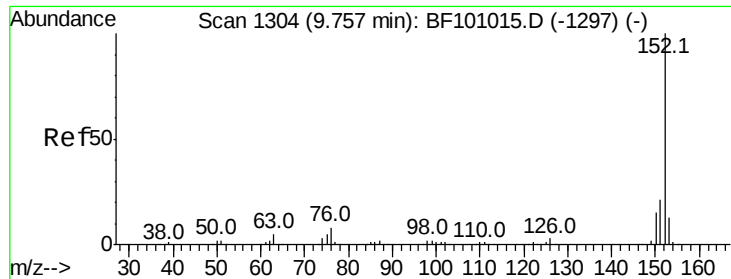


#44
 2-Fluorobiphenyl
 Concen: 7.778 ng
 RT: 9.20 min Scan# 1209
 Delta R.T. -0.01 min
 Lab File: BF101061.D
 Acq: 1 Dec 2017 14:24

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

Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E





#48

Acenaphthylene

Concen: 2.588 ng

RT: 9.75 min Scan# 1302

Delta R.T. -0.01 min

Lab File: BF101061.D

Acq: 1 Dec 2017 14:24

Instrument :

BNA_F

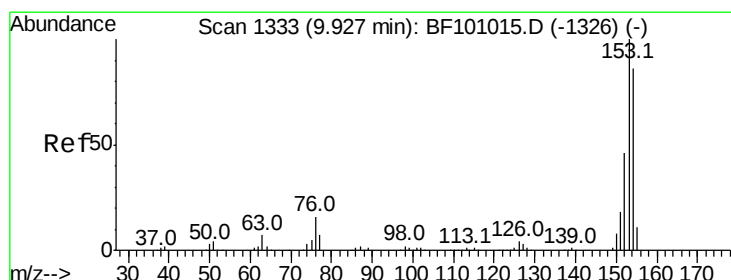
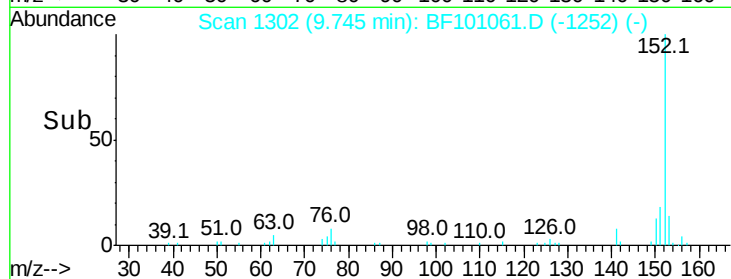
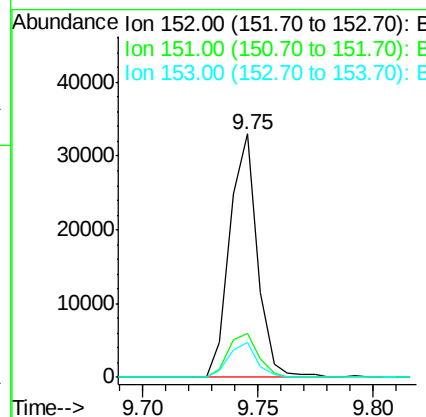
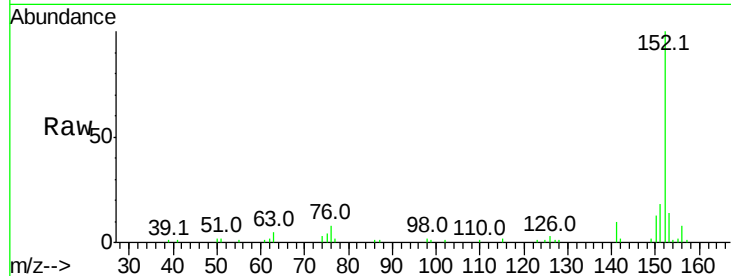
ClientSampleId :

RT-3460DL

Tot Ion:	152	Resp:	27337
Ion Ratio	Lower	Upper	
152	100		
151	18.0	16.3	24.5
153	14.3	10.7	16.1

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#51

Acenaphthene

Concen: 3.698 ng

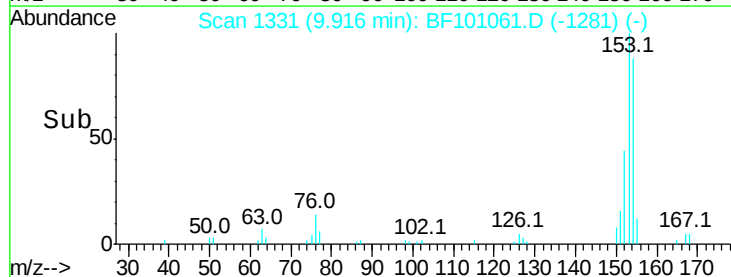
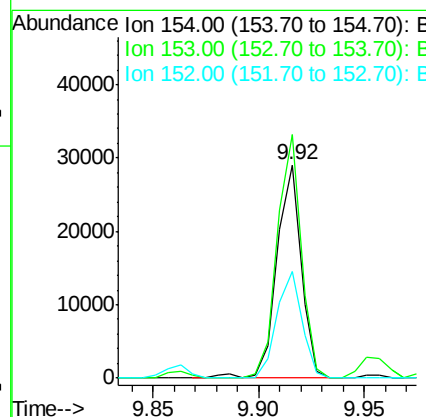
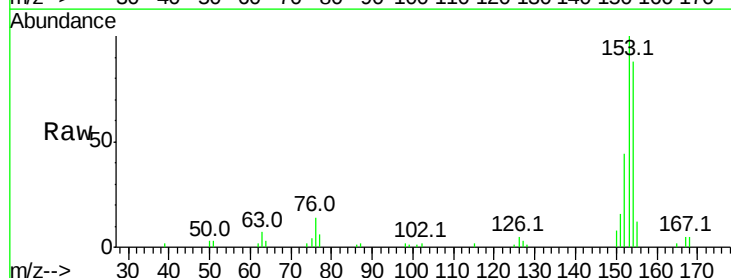
RT: 9.92 min Scan# 1331

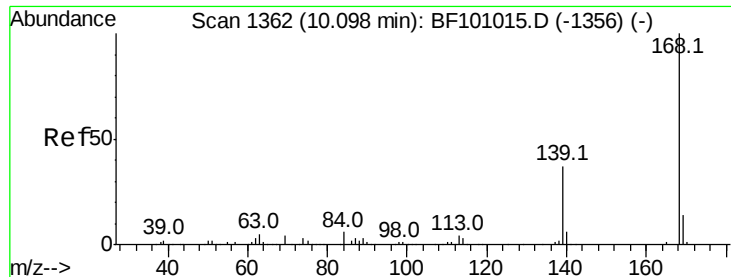
Delta R.T. -0.01 min

Lab File: BF101061.D

Acq: 1 Dec 2017 14:24

Tgt Ion:	154	Resp:	23391
Ion Ratio	Lower	Upper	
154	100		
153	114.0	91.2	136.8
152	50.2	43.8	65.8





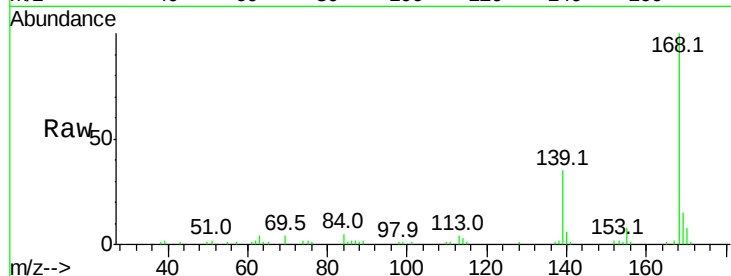
#54
Dibenzenofuran
Concen: 4.706 ng
RT: 10.09 min Scan# 1360
Delta R.T. -0.01 min
Lab File: BF101061.D
Acq: 1 Dec 2017 14:24

Instrument :
BNA_F
ClientSampleId :
RT-3460DL

Tot Ion	Ratio	Lower	Upper
168	100		
139	35.5	30.1	45.1
169	15.4	10.9	16.3

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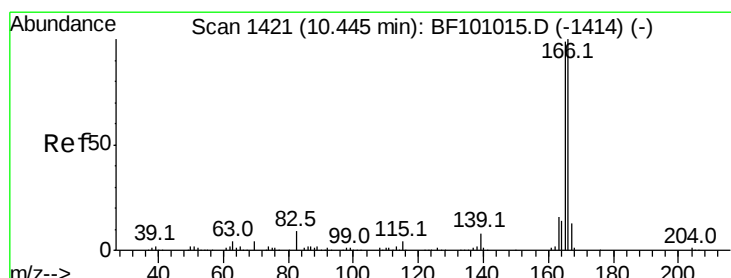
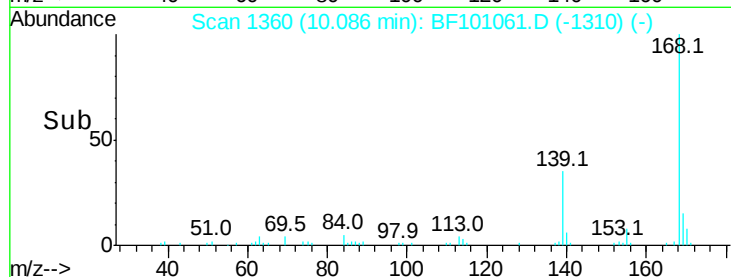
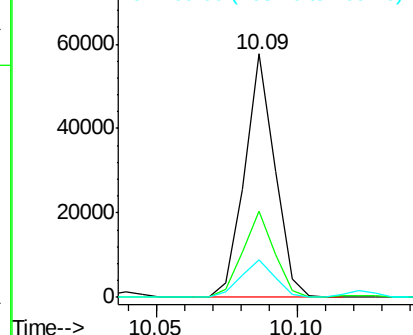


Abundance

Ion 168.00 (167.70 to 168.70): E

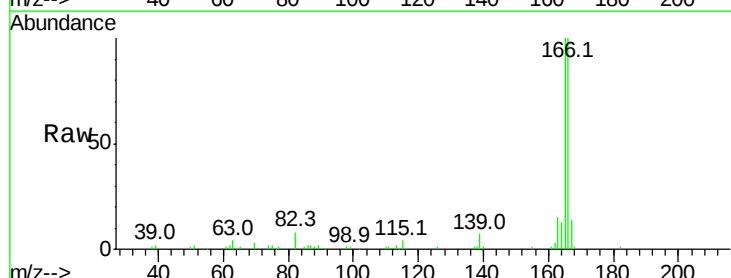
Ion 139.00 (138.70 to 139.70): E

Ion 169.00 (168.70 to 169.70): E



#57
Fluorene
Concen: 11.029 ng
RT: 10.43 min Scan# 1419
Delta R.T. -0.01 min
Lab File: BF101061.D
Acq: 1 Dec 2017 14:24

Tgt Ion	Ratio	Lower	Upper
166	100		
165	100.0	79.8	119.8
167	14.2	10.6	16.0

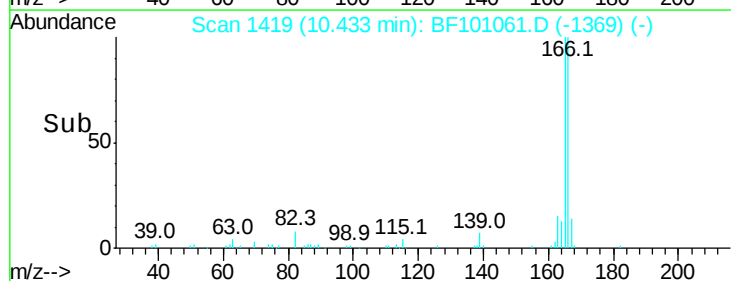
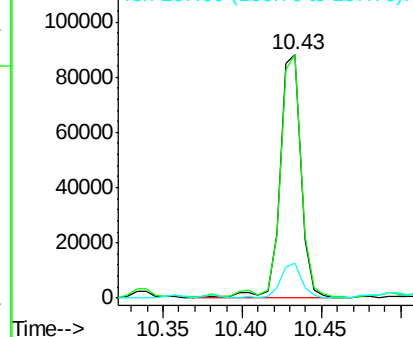


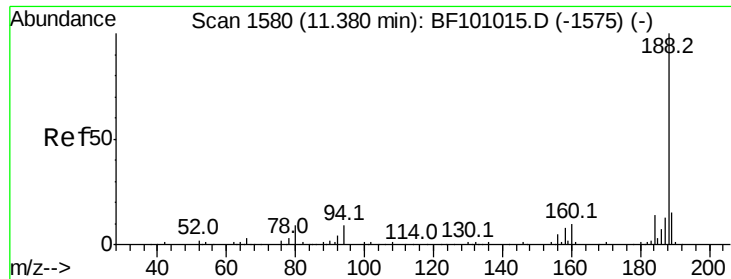
Abundance

Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E





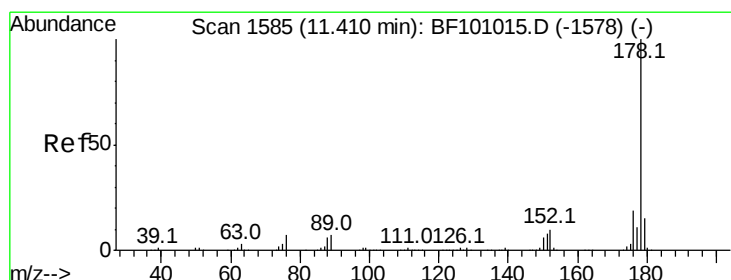
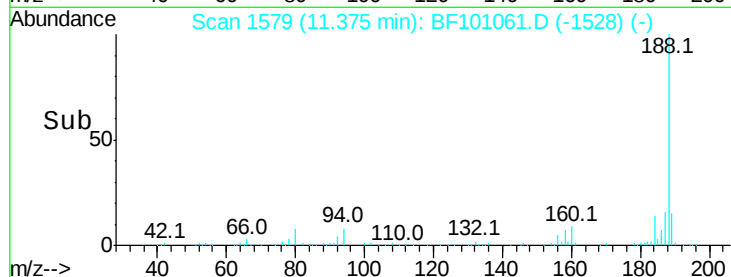
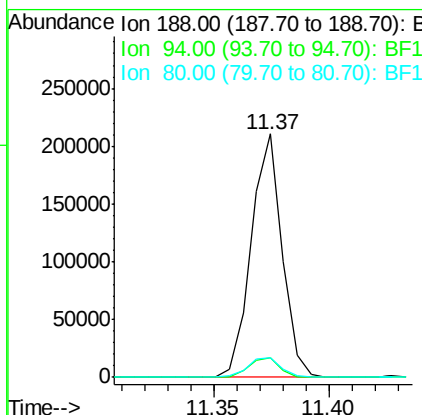
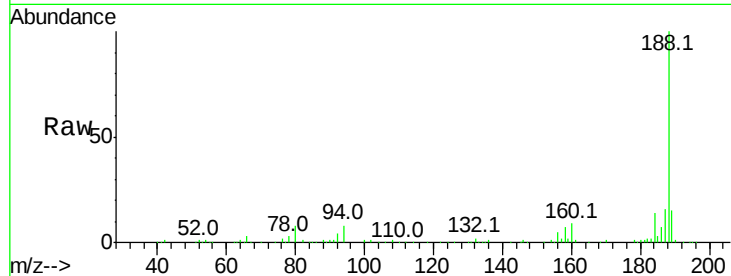
#63
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.37 min Scan# 1579
 Delta R.T. 0.00 min
 Lab File: BF101061.D
 Acq: 1 Dec 2017 14:24

Instrument :
 BNA_F
 ClientSampleID :
 RT-3460DL

Tot Ion	Ratio	Resp Lower	Upper
188	100		
94	7.8	8.5	12.7#
80	8.0	9.2	13.8#

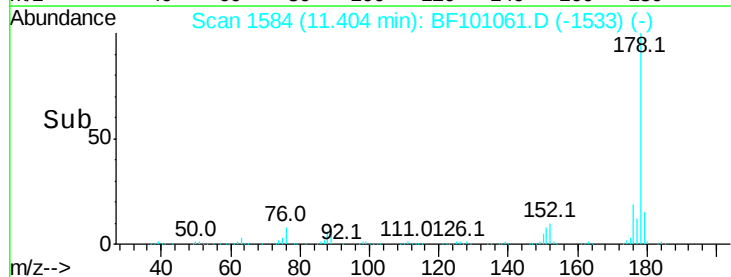
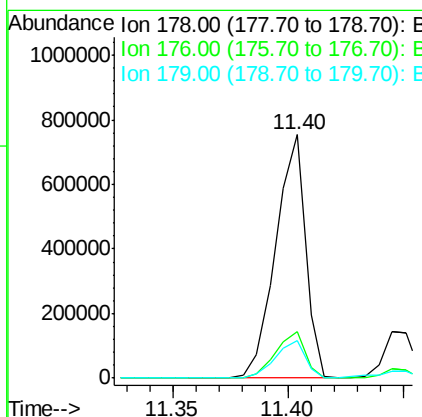
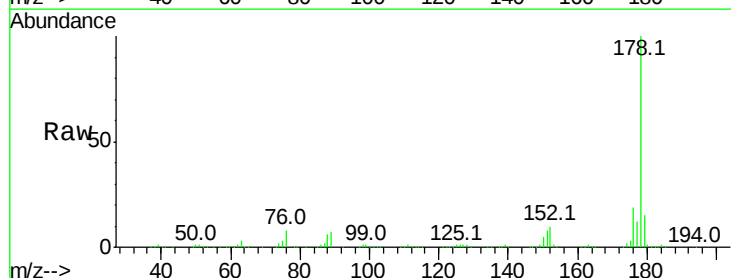
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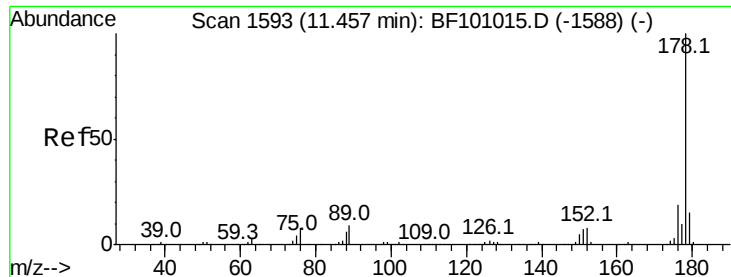
Sohil
 12/4/2017 11:56:29 AM



#70
 Phenanthrene
 Concen: 62.518 ng
 RT: 11.40 min Scan# 1584
 Delta R.T. 0.00 min
 Lab File: BF101061.D
 Acq: 1 Dec 2017 14:24

Tgt Ion	Ratio	Resp Lower	Upper
178	100		
176	19.2	15.8	23.8
179	15.5	13.0	19.6





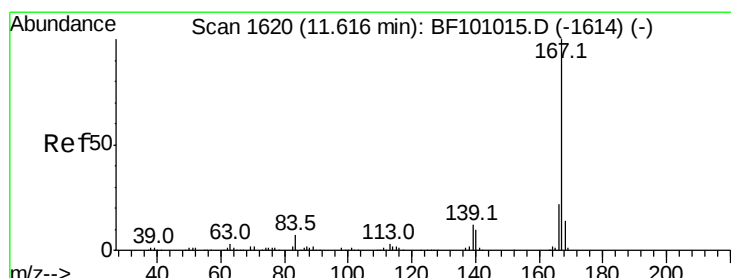
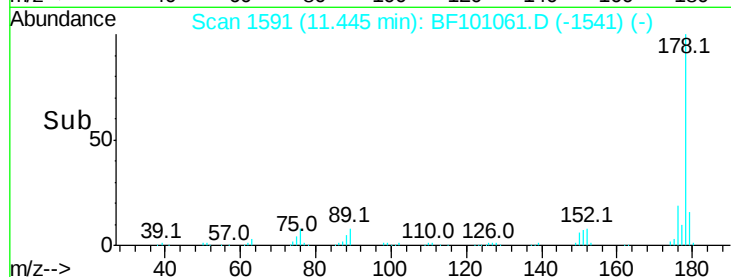
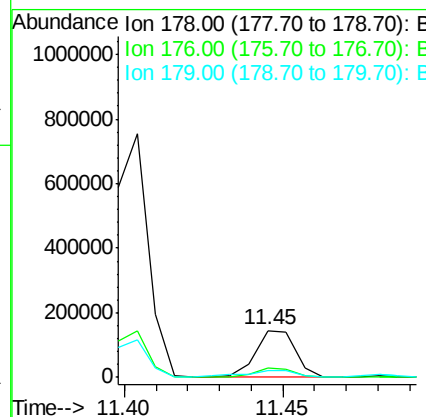
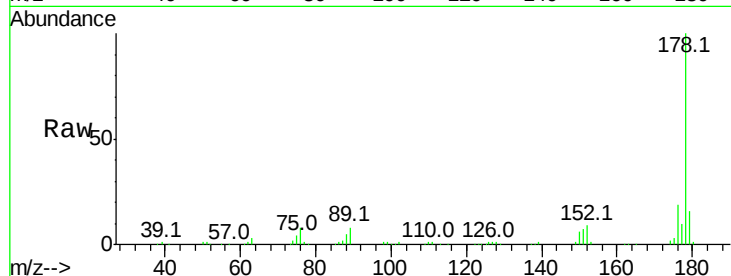
#71
 Anthracene
 Concen: 11.630 ng
 RT: 11.45 min Scan# 1591
 Delta R.T. -0.01 min
 Lab File: BF101061.D
 Acq: 1 Dec 2017 14:24

Instrument :
 BNA_F
 ClientSampleID :
 RT-3460DL

Tot Ion	Ratio	Lower	Upper
178	100		
176	19.0	15.4	23.2
179	15.8	12.6	19.0

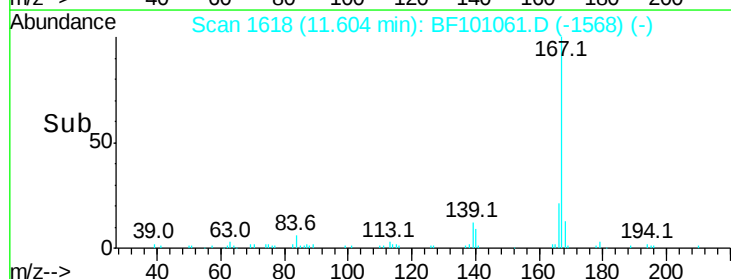
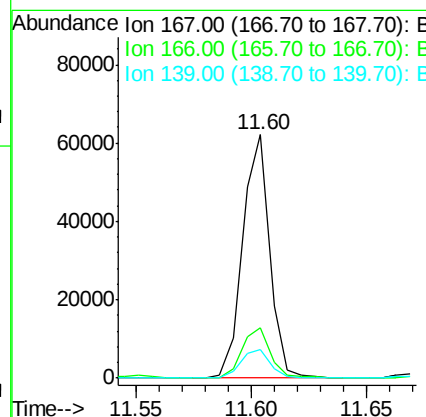
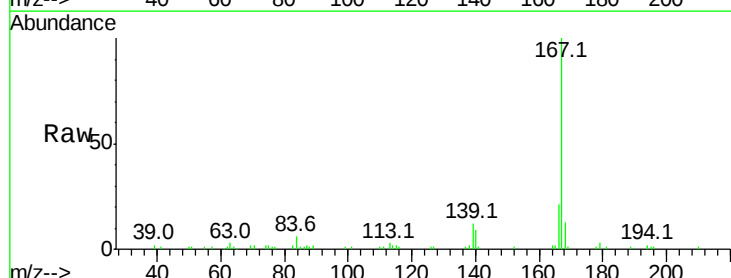
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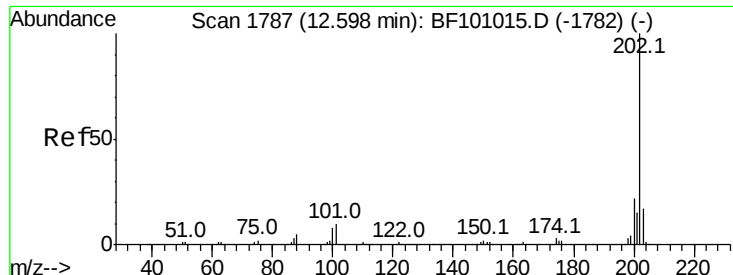
Sohil
 12/4/2017 11:56:29 AM



#72
 Carbazole
 Concen: 5.060 ng
 RT: 11.60 min Scan# 1618
 Delta R.T. -0.01 min
 Lab File: BF101061.D
 Acq: 1 Dec 2017 14:24

Tgt Ion	Ratio	Lower	Upper
167	100		
166	20.9	17.6	26.4
139	11.8	10.9	16.3





#74

Fluoranthene

Concen: 64.714 ng

RT: 12.60 min Scan# 1787

Delta R.T. 0.01 min

Lab File: BF101061.D

Acq: 1 Dec 2017 14:24

Instrument :

BNA_F

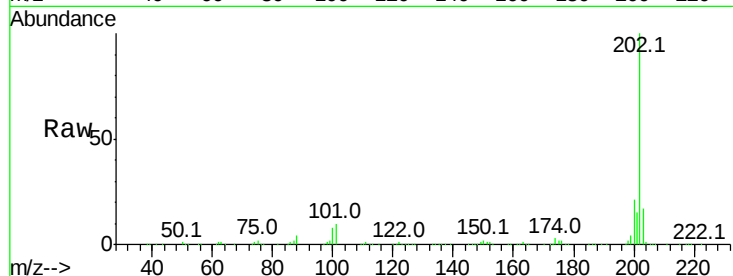
ClientSampleID :

RT-3460DL

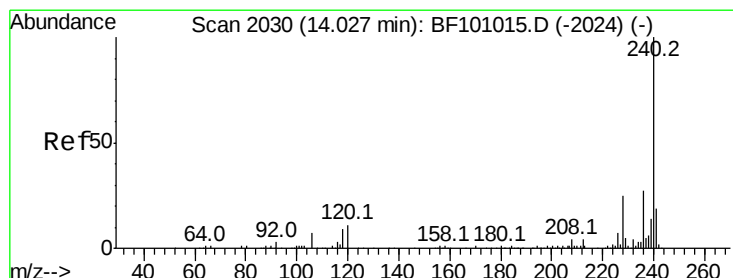
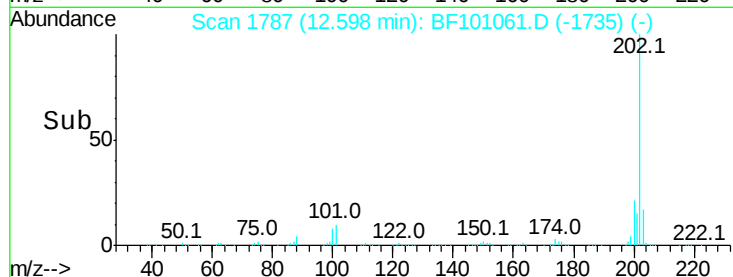
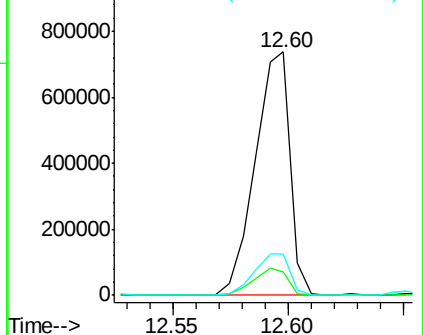
Tot Ion:	202	Resp:	775470
Ion Ratio	Lower	Upper	
202	100		
101	9.5	0.0	34.1
203	17.2	0.0	38.1

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Abundance Ion 202.00 (201.70 to 202.70): E
Ion 101.00 (100.70 to 101.70): E
Ion 203.00 (202.70 to 203.70): E



#75

Chrysene-d12

Concen: 20.000 ng

RT: 14.02 min Scan# 2028

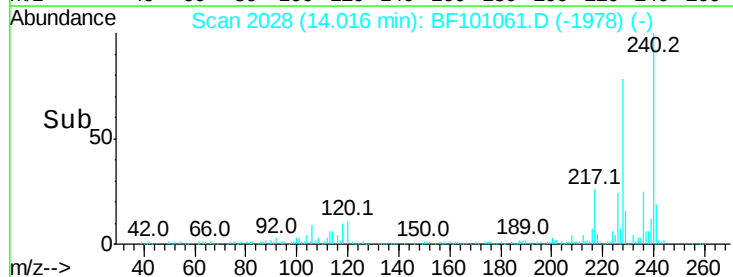
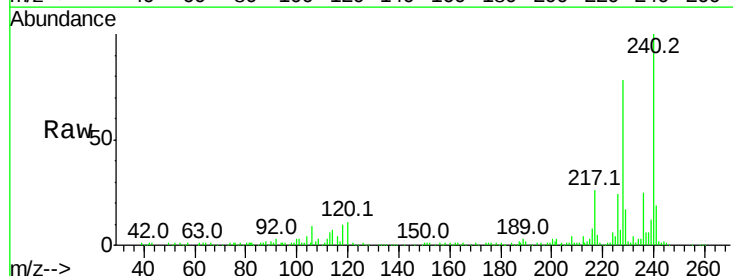
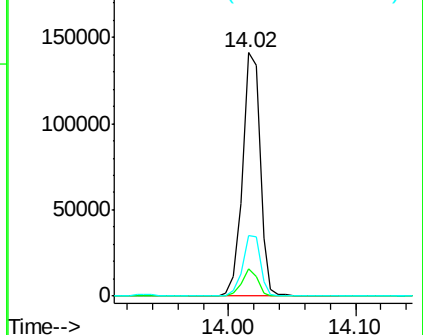
Delta R.T. -0.01 min

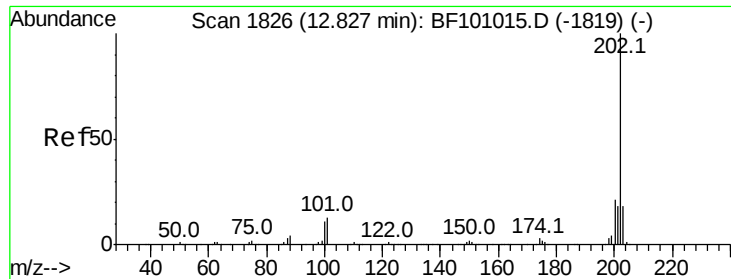
Lab File: BF101061.D

Acq: 1 Dec 2017 14:24

Tgt Ion:	240	Resp:	135148
Ion Ratio	Lower	Upper	
240	100		
120	11.3	9.5	14.3
236	24.6	20.7	31.1

Abundance Ion 240.00 (239.70 to 240.70): E
Ion 120.00 (119.70 to 120.70): E
Ion 236.00 (235.70 to 236.70): E





#77

Pvrene

Concen: 73.529 ng

RT: 12.83 min Scan# 1826

Delta R.T. 0.01 min

Lab File: BF101061.D

Acq: 1 Dec 2017 14:24

Instrument :

BNA_F

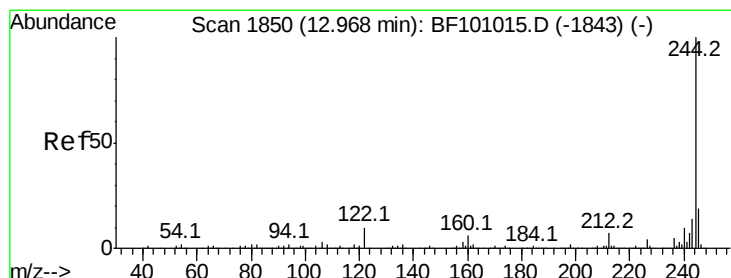
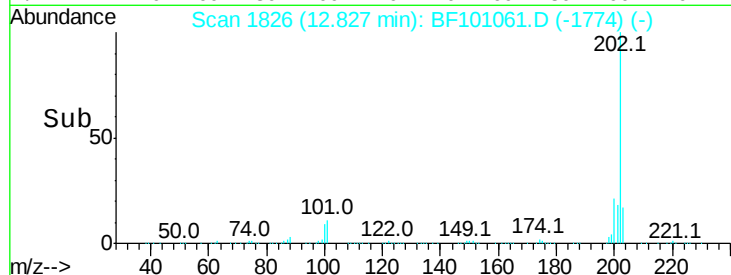
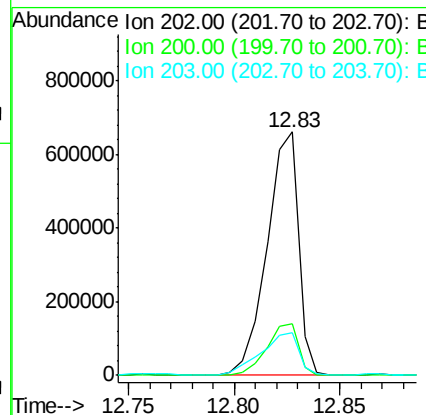
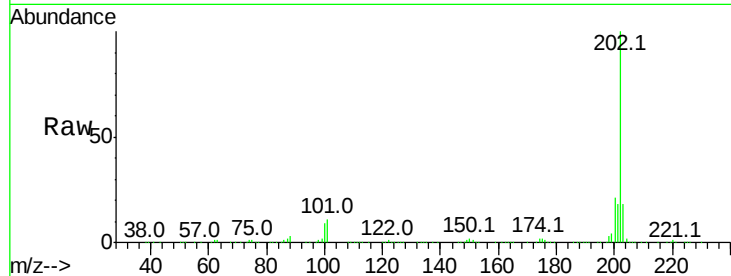
ClientSampleId :

RT-3460DL

Tot Ion	Ratio	Lower	Upper
202	100		
200	21.1	17.4	26.2
203	17.5	14.3	21.5

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#78

Terphenyl-d14

Concen: 9.145 ng

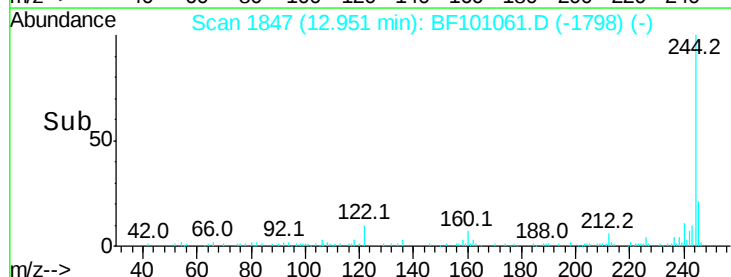
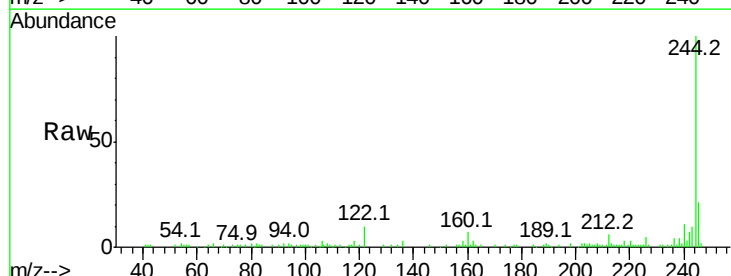
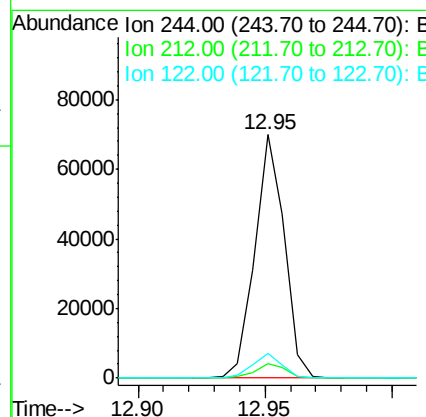
RT: 12.95 min Scan# 1847

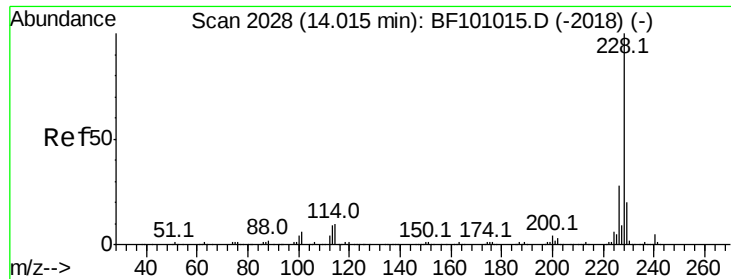
Delta R.T. -0.01 min

Lab File: BF101061.D

Acq: 1 Dec 2017 14:24

Tgt Ion	Ratio	Lower	Upper
244	100		
212	6.0	5.4	8.0
122	10.2	11.0	16.4#





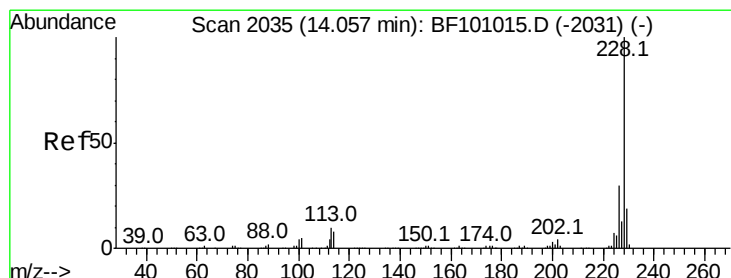
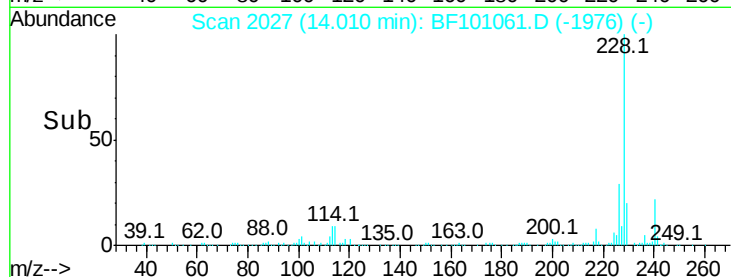
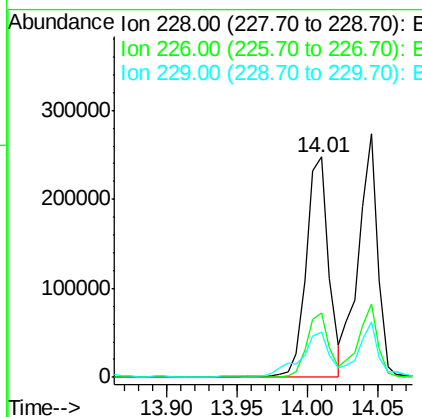
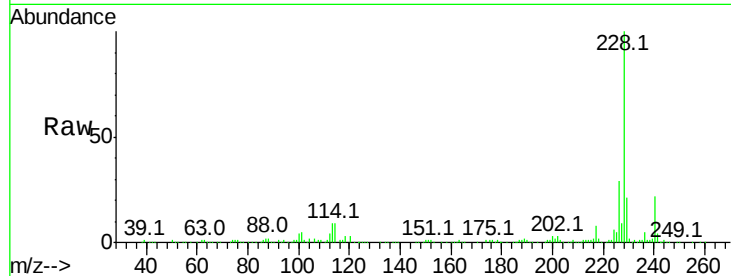
#80
Benzo(a)anthracene
Concen: 32.158 ng
RT: 14.01 min Scan# 2027
Delta R.T. 0.00 min
Lab File: BF101061.D
Acq: 1 Dec 2017 14:24

Instrument :
BNA_F
ClientSampleId :
RT-3460DL

Tot Ion	Ratio	Resp	Lower	Upper
228	100	274405		
226	29.5		22.6	33.8
229	20.6		15.8	23.6

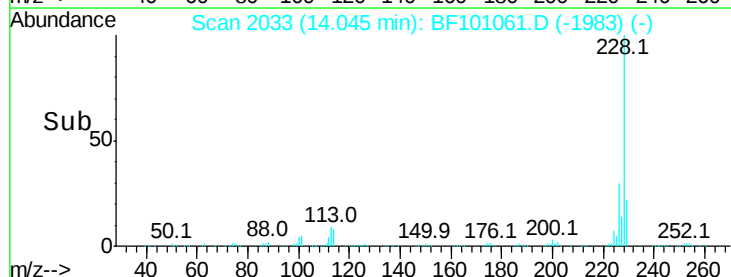
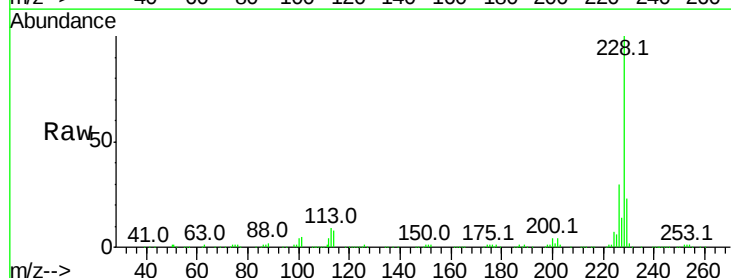
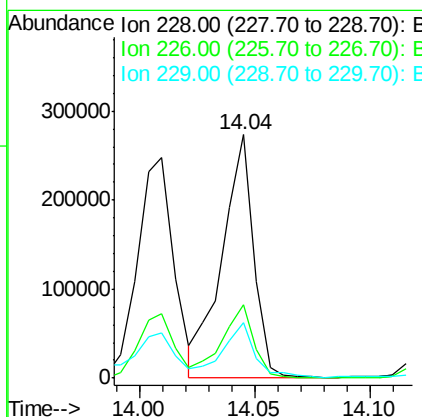
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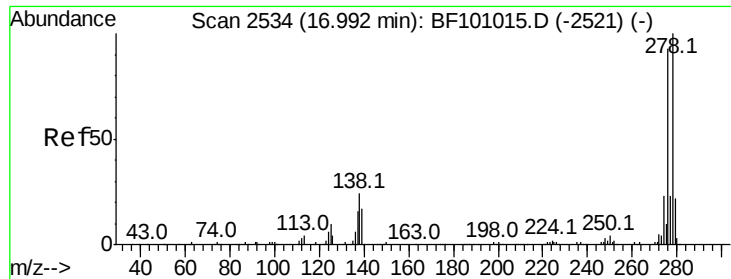
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#82
Chrysene
Concen: 32.950 ng
RT: 14.04 min Scan# 2033
Delta R.T. -0.01 min
Lab File: BF101061.D
Acq: 1 Dec 2017 14:24

Tgt Ion	Ratio	Resp	Lower	Upper
228	100	261123		
226	30.3		25.0	37.6
229	22.5		16.2	24.4





#85

Indeno(1,2,3-cd)pyrene

Concen: 16.639 ng

RT: 16.96 min Scan# 2529

Delta R.T. -0.01 min

Lab File: BF101061.D

Acq: 1 Dec 2017 14:24

Instrument :

BNA_F

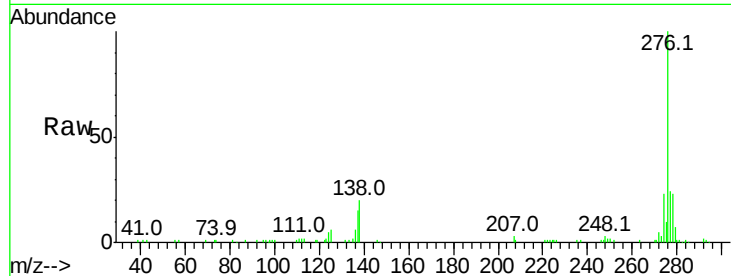
ClientSampleId :

RT-3460DL

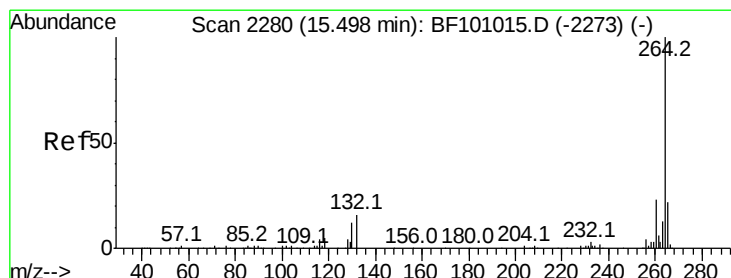
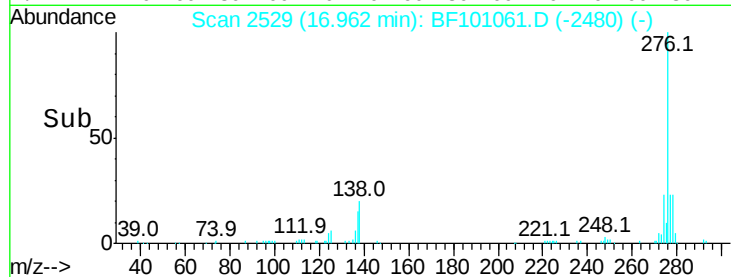
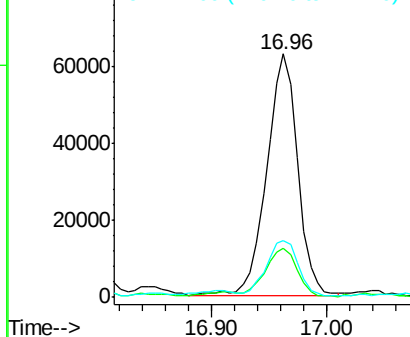
Tot Ion:	276	Resp:	117233
Ion Ratio	Lower	Upper	
276	100		
138	21.6	25.0	37.6#
277	23.6	20.1	30.1

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Abundance Ion 276.00 (275.70 to 276.70): E
Ion 138.00 (137.70 to 138.70): E
Ion 277.00 (276.70 to 277.70): E



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.49 min Scan# 2278

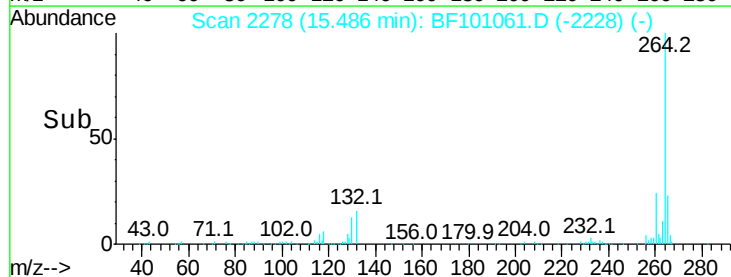
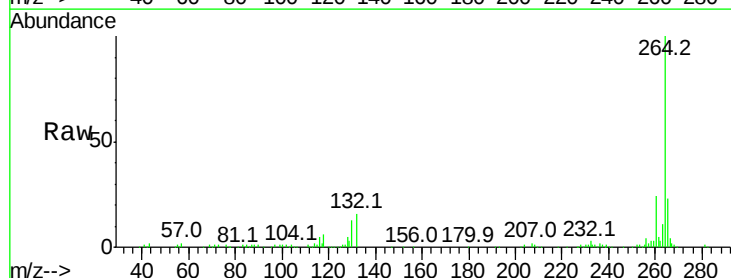
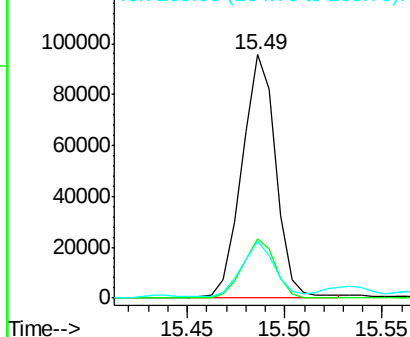
Delta R.T. -0.01 min

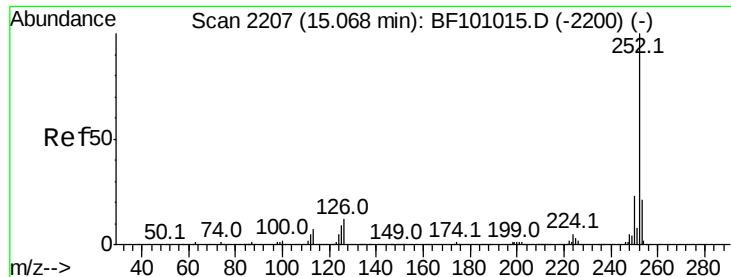
Lab File: BF101061.D

Acq: 1 Dec 2017 14:24

Tgt Ion:	264	Resp:	115521
Ion Ratio	Lower	Upper	
264	100		
260	24.4	19.2	28.8
265	23.2	17.5	26.3

Abundance Ion 264.00 (263.70 to 264.70): E
Ion 260.00 (259.70 to 260.70): E
Ion 265.00 (264.70 to 265.70): E





#87

Benzo(b)fluoranthene

Concen: 31.656 ng m

RT: 15.06 min Scan# 2205

Delta R.T. -0.01 min

Lab File: BF101061.D

Acq: 1 Dec 2017 14:24

Instrument :

BNA_F

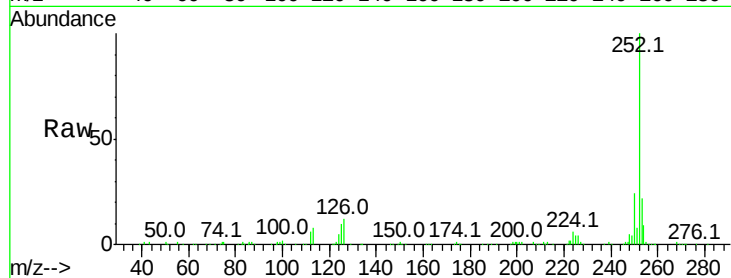
ClientSampleId :

RT-3460DL

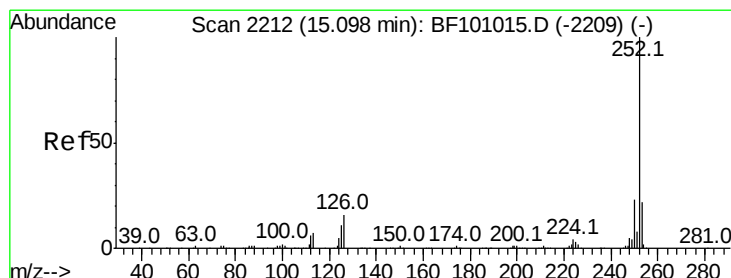
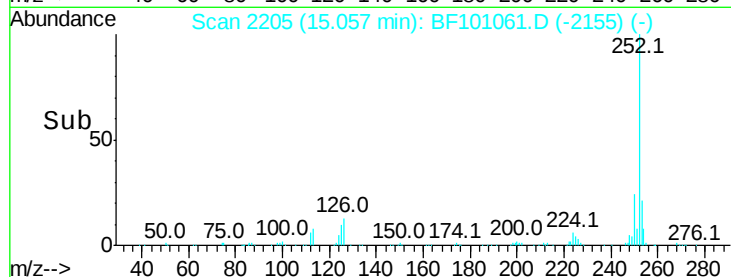
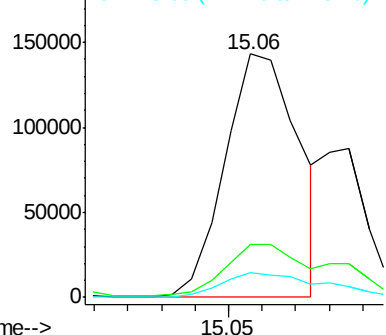
Tot Ion:	252	Resp:	219039
Ion Ratio	Lower	Upper	
252	100		
253	21.8	17.0	25.6
125	10.3	9.0	13.6

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Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E



#88

Benzo(k)fluoranthene

Concen: 11.903 ng m

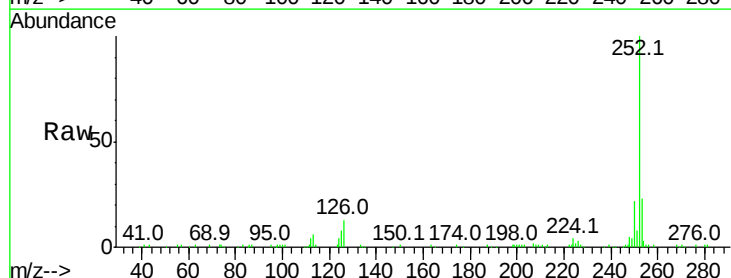
RT: 15.09 min Scan# 2210

Delta R.T. -0.01 min

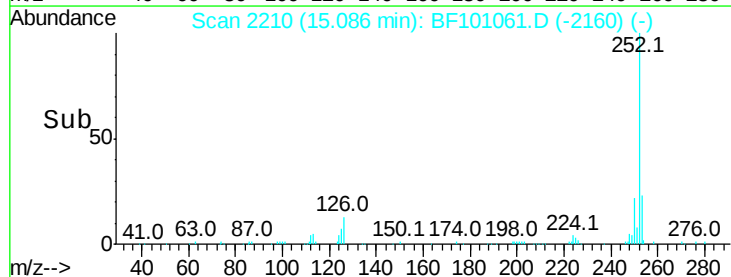
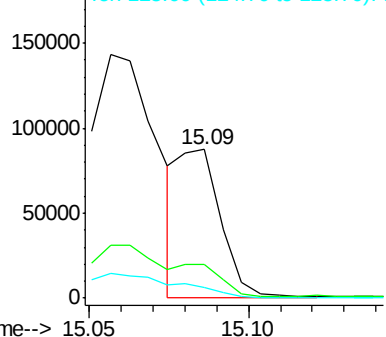
Lab File: BF101061.D

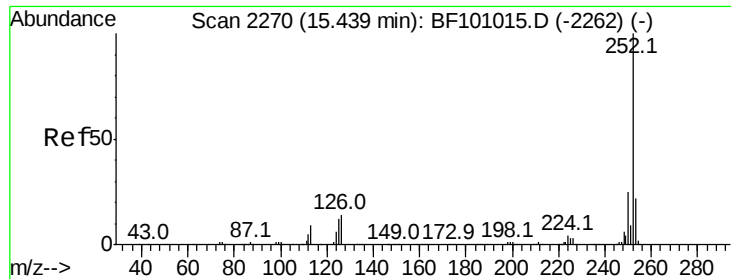
Acq: 1 Dec 2017 14:24

Tgt Ion:	252	Resp:	81148
Ion Ratio	Lower	Upper	
252	100		
253	23.1	17.9	26.9
125	7.6	10.2	15.2#



Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E





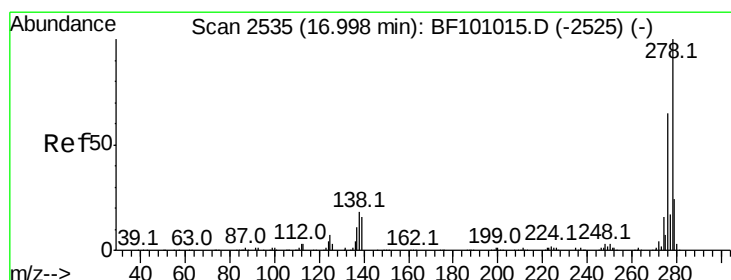
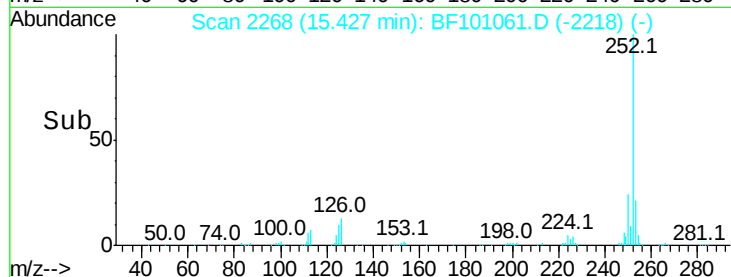
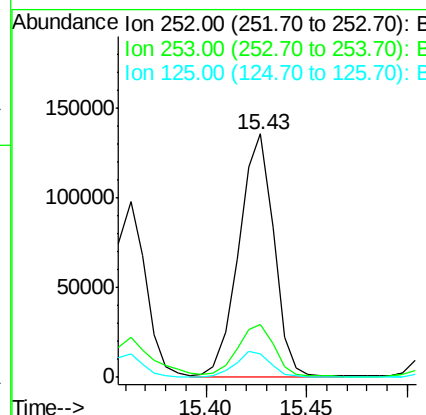
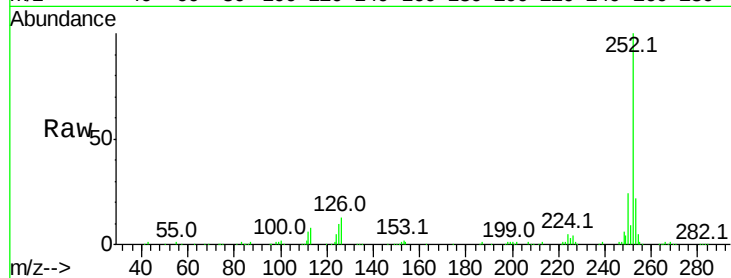
#89
Benzo(a)pyrene
Concen: 26.231 ng m
RT: 15.43 min Scan# 2268
Delta R.T. -0.01 min
Lab File: BF101061.D
Acq: 1 Dec 2017 14:24

Instrument :
BNA_F
ClientSampleId :
RT-3460DL

Tot Ion	Ratio	Lower	Upper
252	100		
253	21.9	17.1	25.7
125	9.6	9.8	14.6

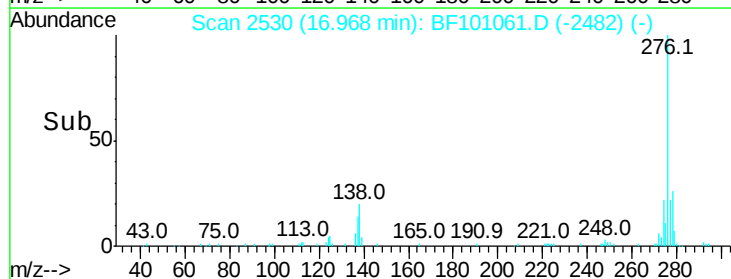
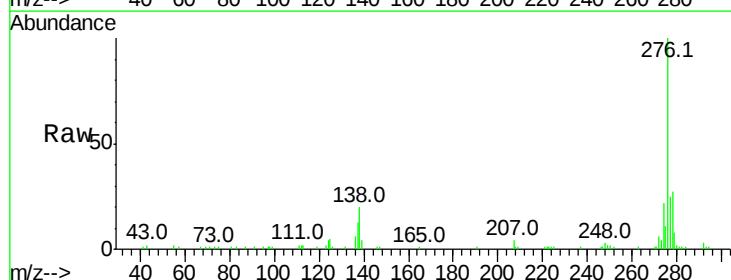
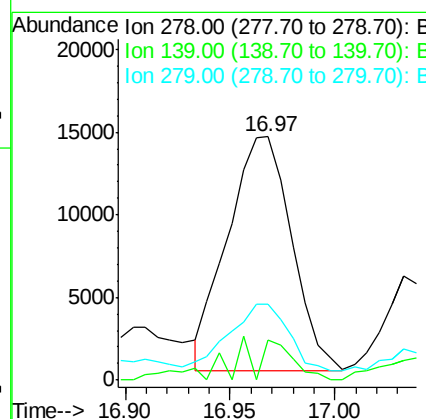
Manual Integrations
APPROVED

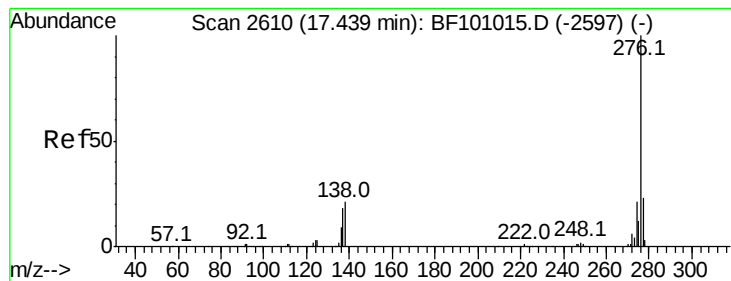
Sohil
12/4/2017 11:56:29 AM



#90
Dibenzo(a,h)anthracene
Concen: 5.448 ng m
RT: 16.97 min Scan# 2530
Delta R.T. -0.02 min
Lab File: BF101061.D
Acq: 1 Dec 2017 14:24

Tgt Ion	Ratio	Lower	Upper
278	100		
139	16.5	15.9	23.9
279	31.1	19.0	28.4





#91

Benzo(a,h,i)perylene

Concen: 22.589 ng

RT: 17.42 min Scan# 2606

Delta R.T. -0.01 min

Lab File: BF101061.D

Acq: 1 Dec 2017 14:24

Instrument :

BNA_F

ClientSampleId :

RT-3460DL

Tot Ion:	276	Resp:	118059
Ion Ratio		Lower	Upper
276	100		
277	23.5	17.9	26.9
138	20.7	21.8	32.8#

Manual Integrations
APPROVED

Sohil
12/4/2017 11:56:29 AM

