

Data Path : \\74.0.250.170\SV0ASRV\HPCHEM1\BNA_F\DATA\BF021518\
 Data File : BF103040.D
 Acq On : 16 Feb 2018 7:55
 Operator : SJ/JU
 Sample : J1540-02DL 10X
 Misc :
 ALS Vial : 30 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 CB-3-LINE-NW@3DL

Manual Integrations
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Sohil
 2/16/2018 2:31:28 PM

Quant Time: Feb 16 10:25:45 2018
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF020318.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Feb 15 14:08:58 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.87	152	162182	20.00	ng	0.00
21) Naphthalene-d8	8.16	136	677302	20.00	ng	0.00
38) Acenaphthene-d10	9.92	164	283970	20.00	ng	0.00
63) Phenanthrene-d10	11.40	188	420874	20.00	ng	0.00
75) Chrysene-d12	14.05	240	289723	20.00	ng	0.00
86) Perylene-d12	15.53	264	291854	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.49	112	127812	11.97	ng	0.00
7) Phenol-d6	6.50	99	164454	12.79	ng	-0.01
23) Nitrobenzene-d5	7.43	82	89348	9.15	ng	-0.01
41) 2,4,6-Tribromophenol	10.70	330	20919	9.15	ng	0.00
44) 2-Fluorobiphenyl	9.23	172	175473	10.25	ng	-0.01
78) Terphenyl-d14	12.99	244	117156	9.57	ng	0.00
Target Compounds						Qvalue
51) Acenaphthene	9.95	154	127571	7.294	ng	99
54) Dibenzofuran	10.12	168	117554	4.769	ng	98
57) Fluorene	10.46	166	161566	9.009	ng	98
70) Phenanthrene	11.43	178	1181389	50.401	ng	99
71) Anthracene	11.48	178	376067	15.774	ng	99
72) Carbazole	11.63	167	179053	7.666	ng	99
74) Fluoranthene	12.62	202	1257964	53.341	ng	99
77) Pyrene	12.85	202	1057493	46.547	ng	99
80) Benzo(a)anthracene	14.04	228	562726	30.884	ng	98
82) Chrysene	14.07	228	461989	25.152	ng	97
85) Indeno(1,2,3-cd)pyrene	17.03	276	219112	14.383	ng	96
87) Benzo(b)fluoranthene	15.10	252	601504m	31.789	ng	
88) Benzo(k)fluoranthene	15.12	252	179678m	9.938	ng	
89) Benzo(a)pyrene	15.47	252	394425	23.158	ng	# 94
90) Dibenzo(a,h)anthracene	17.03	278	53040m	3.837	ng	
91) Benzo(g,h,i)perylene	17.49	276	206080	15.230	ng	97

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

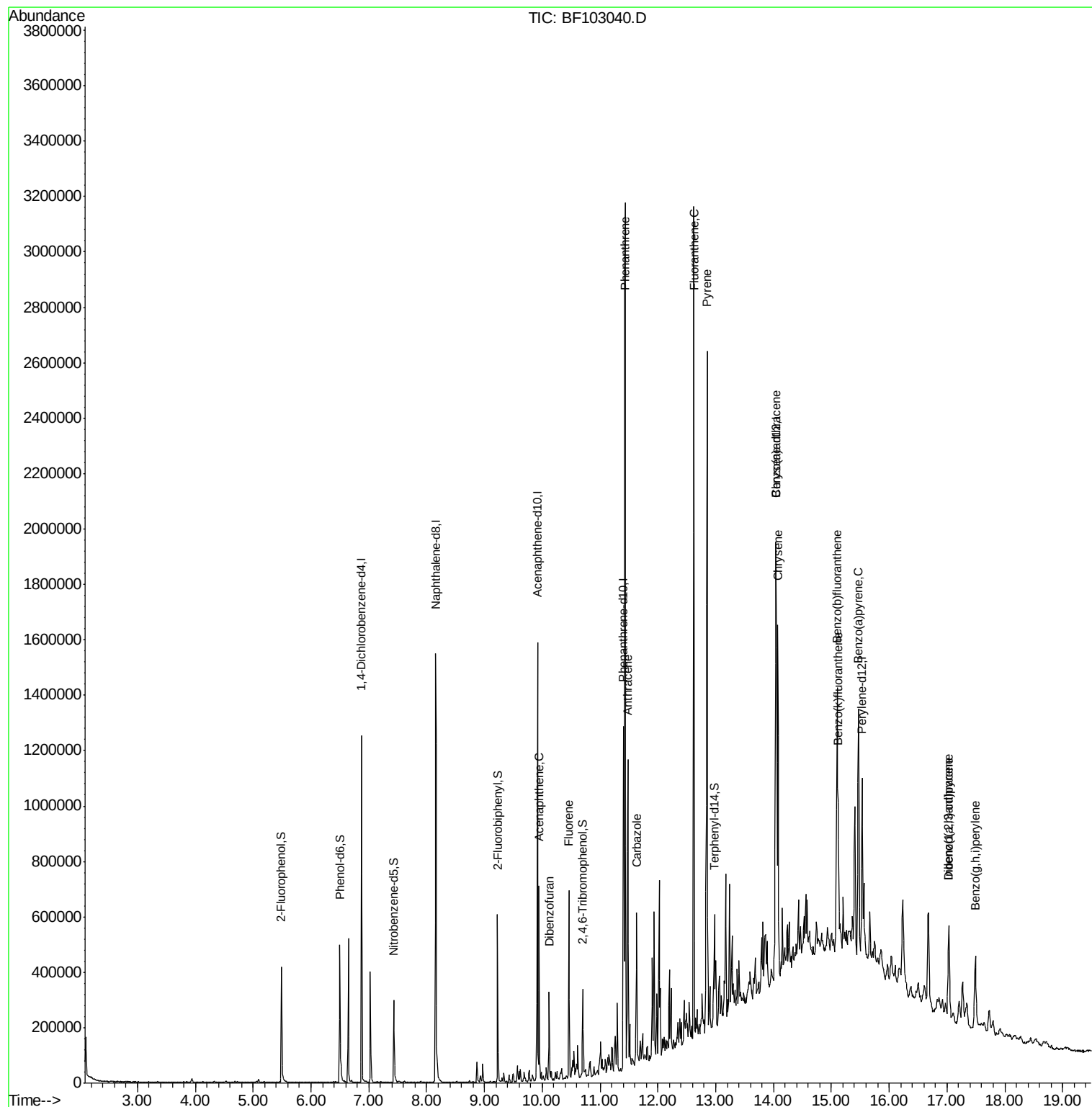
Data Path : \\74.0.250.170\SVOASRV\HPCHEM1\BNA_F\DATA\BF021518\
Data File : BF103040.D
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ALS Vial : 30 Sample Multiplier: 1

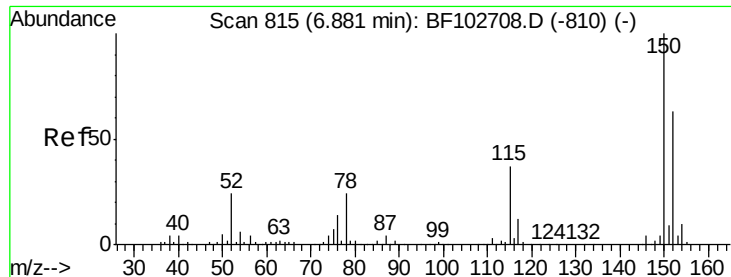
Instrument :
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ClientSampleId :
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Manual Integrations
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Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF020318.M
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#1

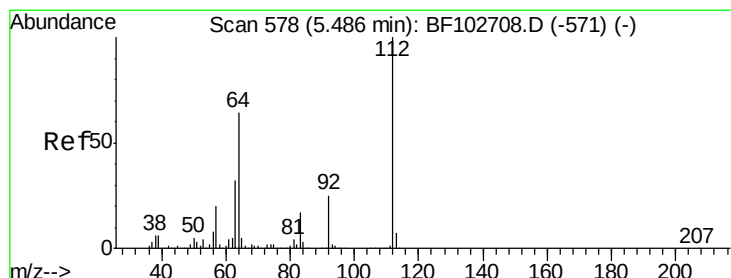
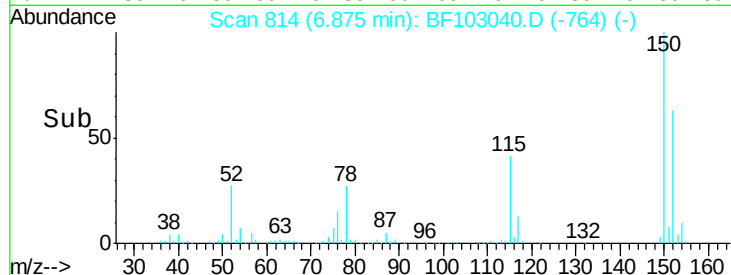
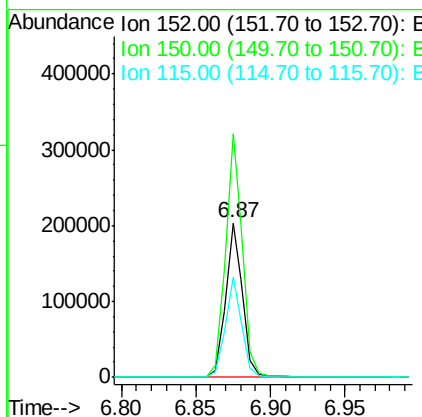
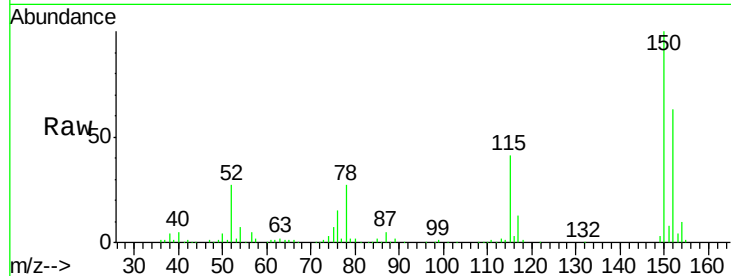
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.87 min Scan# 814
Delta R.T. -0.01 min
Lab File: BF103040.D
Acq: 16 Feb 2018 7:55

Instrument :
BNA_F
ClientSampleId :
CB-3-LINE-NW@3DL

Tgt Ion	Ratio	Lower	Upper
152	100		
150	158.1	124.6	186.8
115	64.8	50.1	75.1

Manual Integrations
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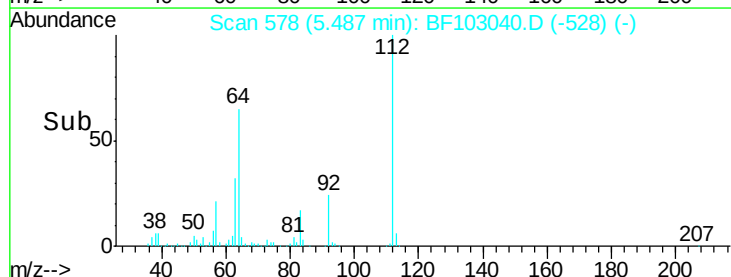
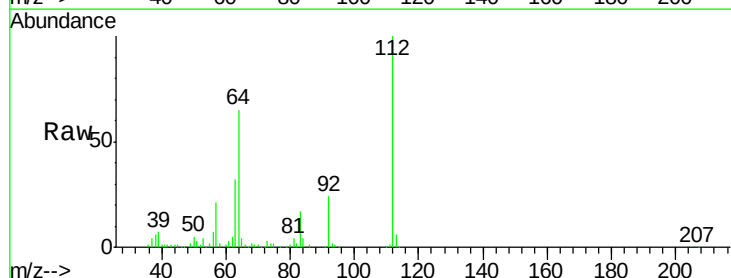
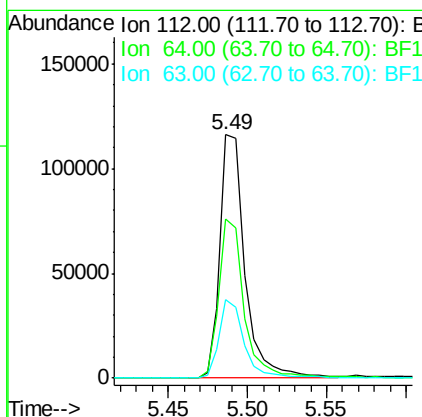
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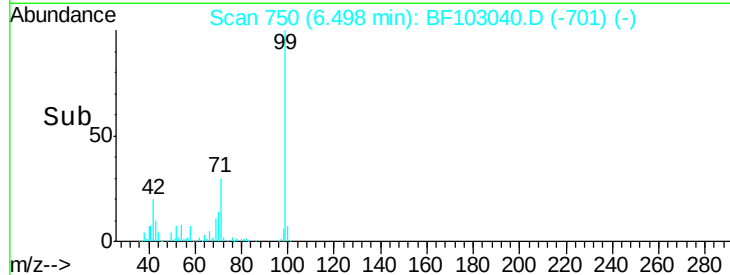
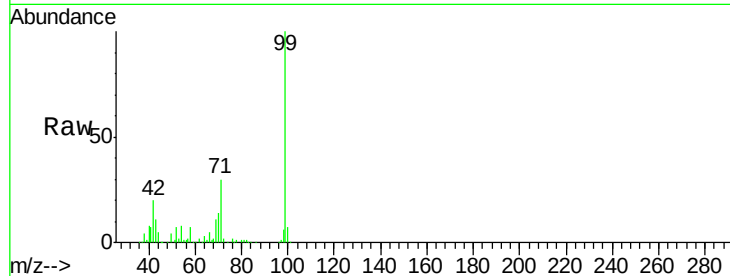
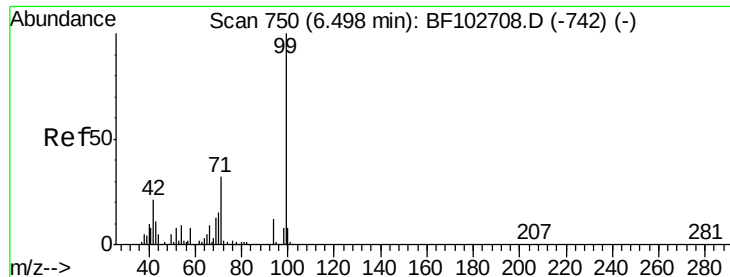


#5

2-Fluorophenol
Concen: 11.968 ng
RT: 5.49 min Scan# 578
Delta R.T. -0.01 min
Lab File: BF103040.D
Acq: 16 Feb 2018 7:55

Tgt Ion	Ratio	Lower	Upper
112	100		
64	65.5	47.9	71.9
63	32.4	23.7	35.5





#7

Phenol-d6

Concen: 12.789 ng

RT: 6.50 min Scan# 750

Delta R.T. -0.01 min

Lab File: BF103040.D

Acq: 16 Feb 2018 7:55

Tgt Ion	Ratio	Lower	Upper
99	100		
42	20.4	14.5	21.7
71	29.9	25.4	38.0

Instrument :

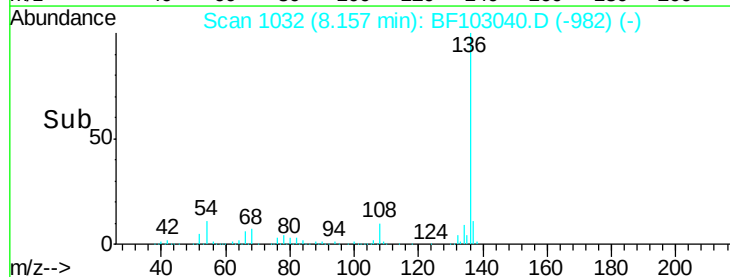
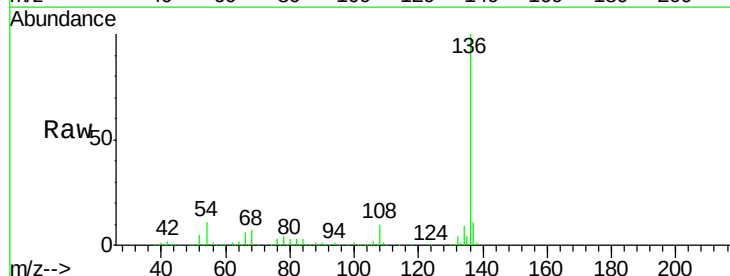
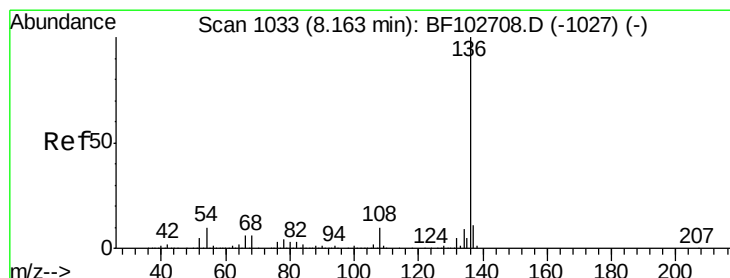
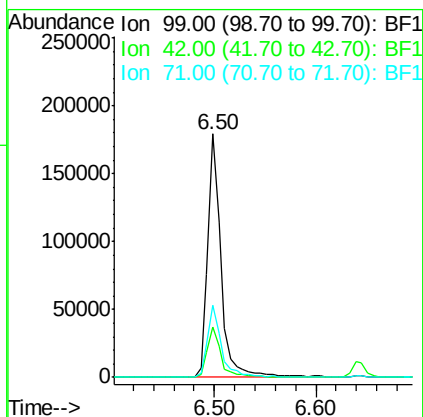
BNA_F

ClientSampleId :

CB-3-LINE-NW@3DL

Manual Integrations
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#21

Naphthalene-d8

Concen: 20.000 ng

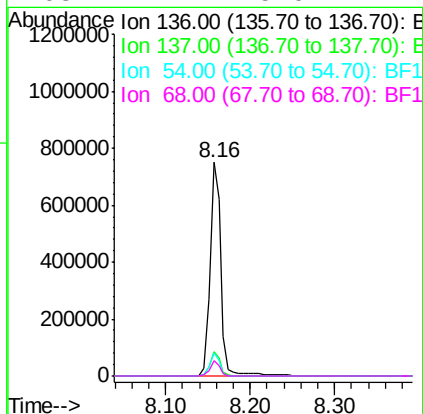
RT: 8.16 min Scan# 1032

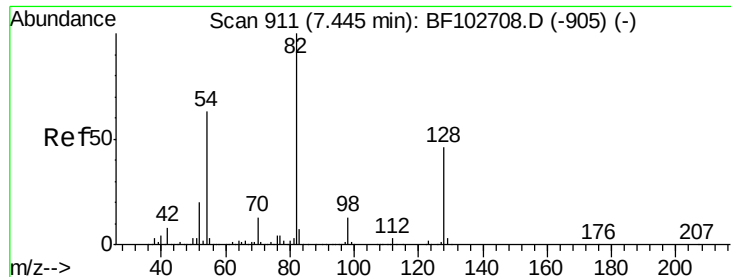
Delta R.T. -0.01 min

Lab File: BF103040.D

Acq: 16 Feb 2018 7:55

Tgt Ion	Ratio	Lower	Upper
136	100		
137	11.3	8.9	13.3
54	10.5	6.6	9.8
68	7.1	5.0	7.4





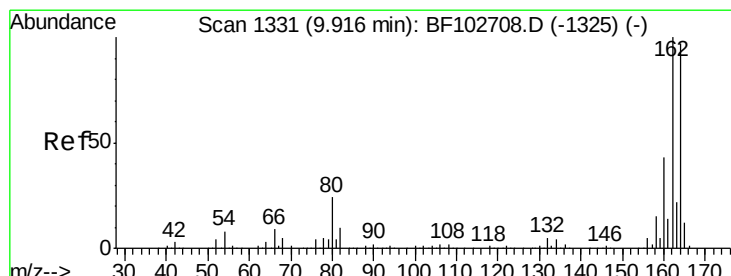
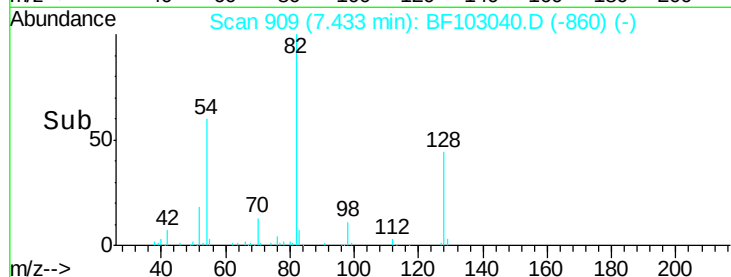
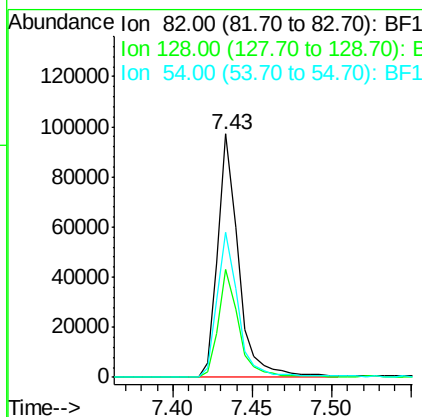
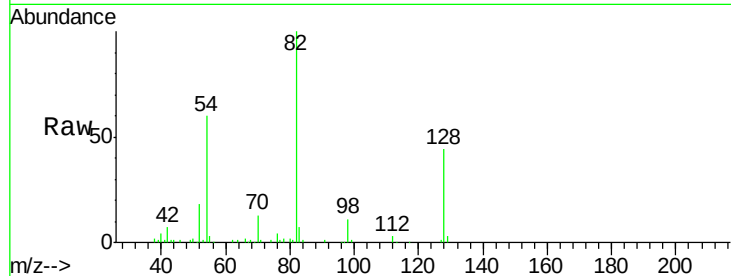
#23
 Nitrobenzene-d5
 Concen: 9.151 ng
 RT: 7.43 min Scan# 909
 Delta R.T. -0.01 min
 Lab File: BF103040.D
 Acq: 16 Feb 2018 7:55

Instrument :
 BNA_F
 ClientSampleId :
 CB-3-LINE-NW@3DL

Tgt Ion	Ratio	Lower	Upper
82	100		
128	44.3	36.1	54.1
54	59.8	41.4	62.2

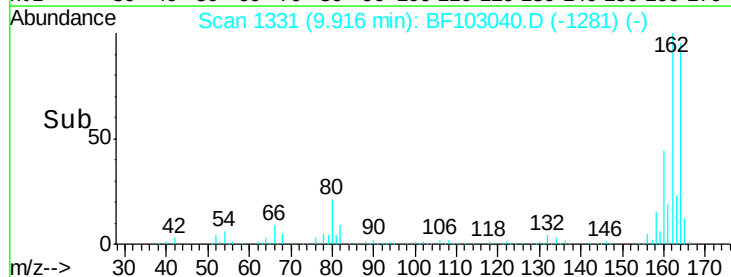
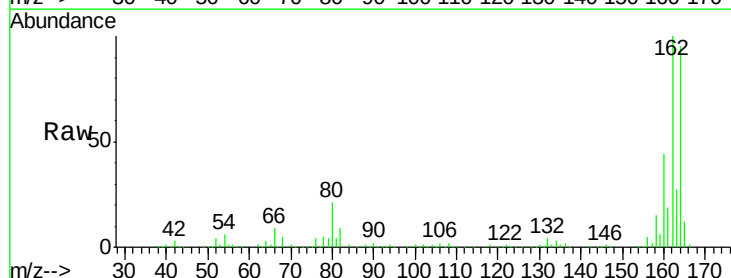
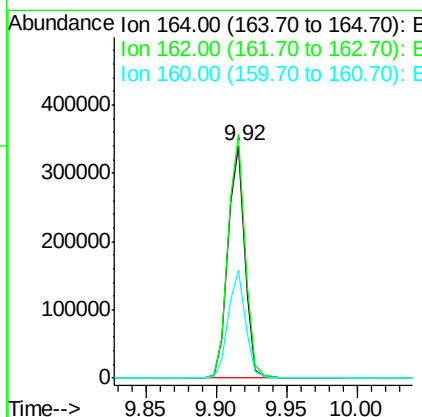
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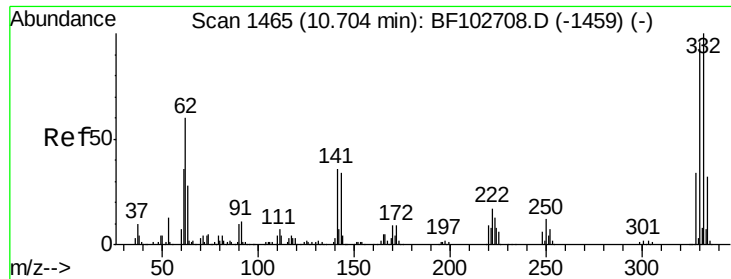
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#38
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.92 min Scan# 1331
 Delta R.T. -0.01 min
 Lab File: BF103040.D
 Acq: 16 Feb 2018 7:55

Tgt Ion	Ratio	Lower	Upper
164	100		
162	104.8	86.1	129.1
160	46.6	38.3	57.5





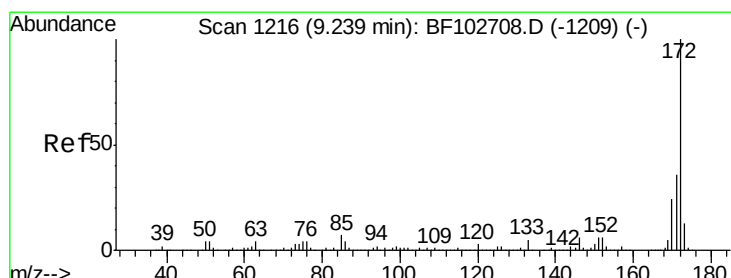
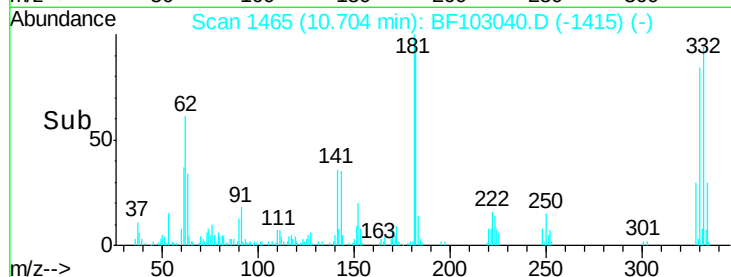
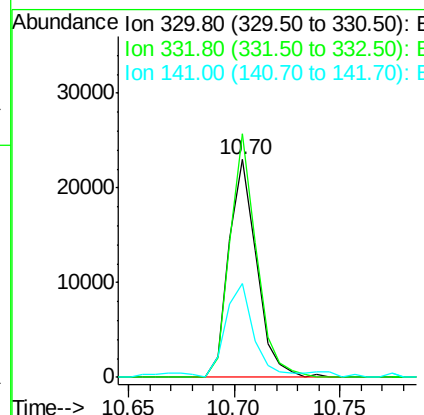
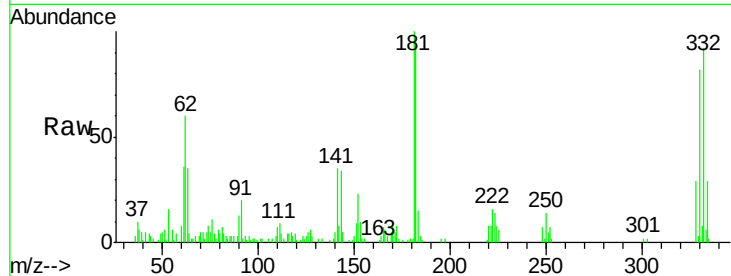
#41
 2,4,6-Tribromophenol
 Concen: 9.152 ng
 RT: 10.70 min Scan# 1465
 Delta R.T. -0.01 min
 Lab File: BF103040.D
 Acq: 16 Feb 2018 7:55

Instrument :
 BNA_F
 ClientSampleId :
 CB-3-LINE-NW@3DL

Tgt Ion	Ratio	Resp	Lower	Upper
330	100	20919		
332	106.4	77.0	115.6	
141	39.1	29.9	44.9	

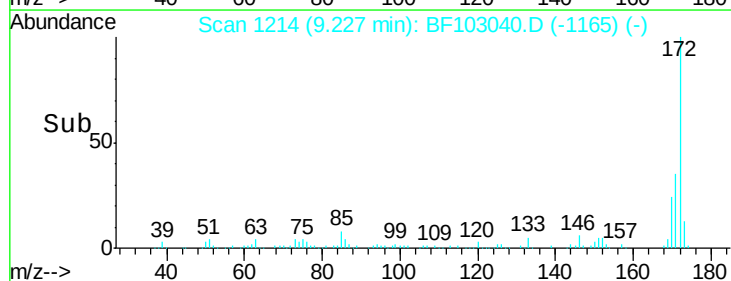
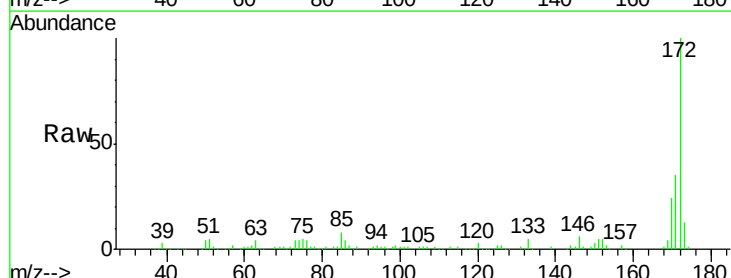
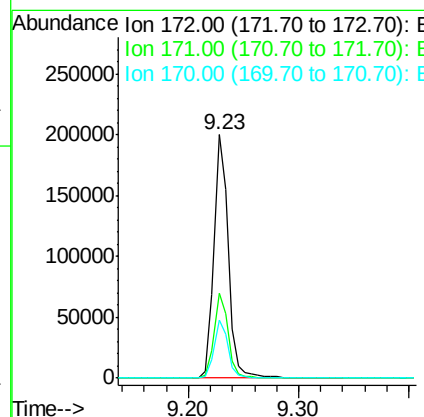
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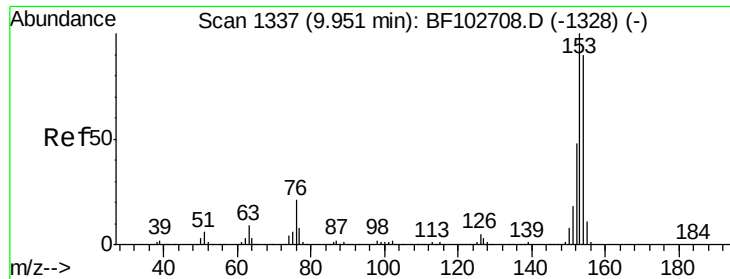
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#44
 2-Fluorobiphenyl
 Concen: 10.254 ng
 RT: 9.23 min Scan# 1214
 Delta R.T. -0.01 min
 Lab File: BF103040.D
 Acq: 16 Feb 2018 7:55

Tgt Ion	Ratio	Resp	Lower	Upper
172	100	175473		
171	35.0	29.7	44.5	
170	23.7	19.6	29.4	





#51

Acenaphthene

Concen: 7.294 ng

RT: 9.95 min Scan# 1336

Delta R.T. -0.01 min

Lab File: BF103040.D

Acq: 16 Feb 2018 7:55

Instrument :

BNA_F

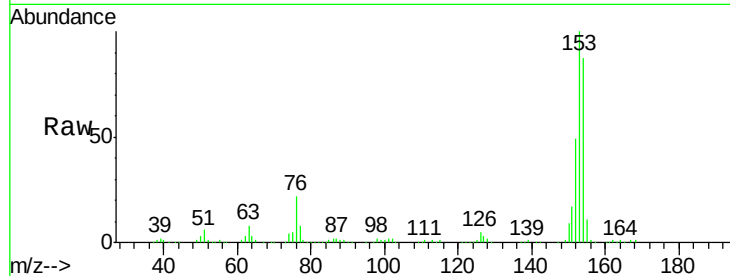
ClientSampleId :

CB-3-LINE-NW@3DL

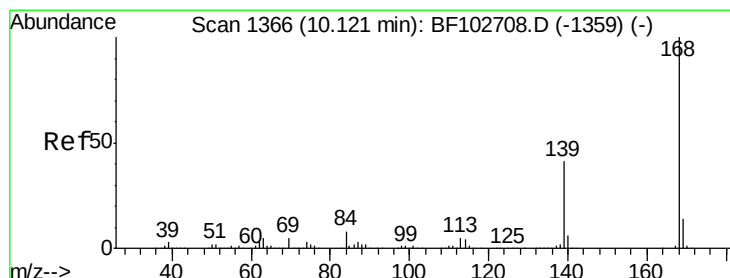
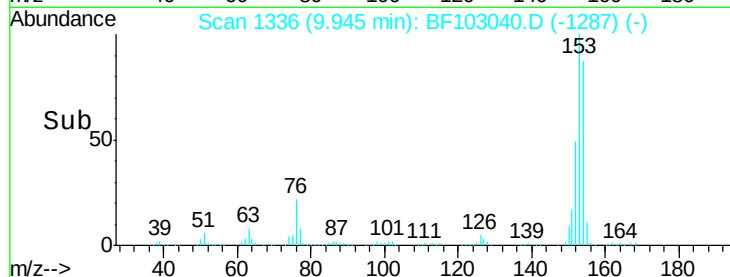
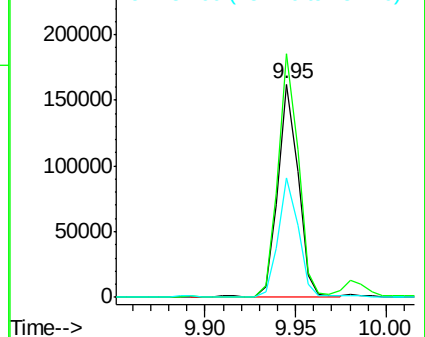
Tgt Ion:	154	Resp:	127571
Ion Ratio	Lower	Upper	
154	100		
153	114.4	91.2	136.8
152	56.0	43.8	65.8

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: 4.769 ng

RT: 10.12 min Scan# 1365

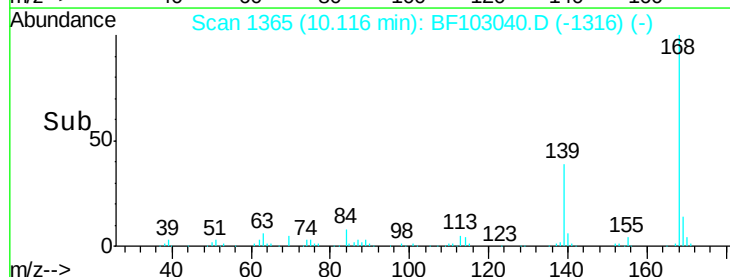
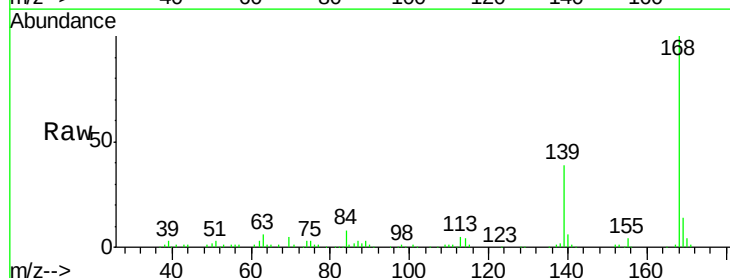
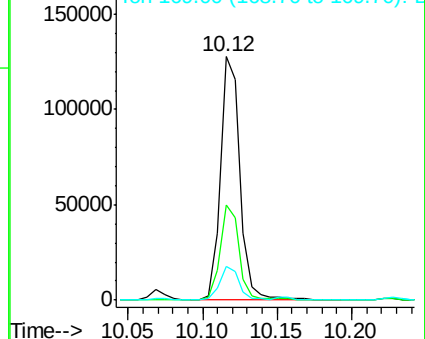
Delta R.T. -0.01 min

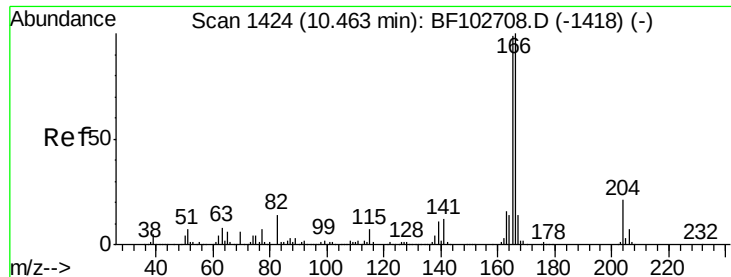
Lab File: BF103040.D

Acq: 16 Feb 2018 7:55

Tgt Ion:	168	Resp:	117554
Ion Ratio	Lower	Upper	
168	100		
139	39.0	30.1	45.1
169	13.7	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





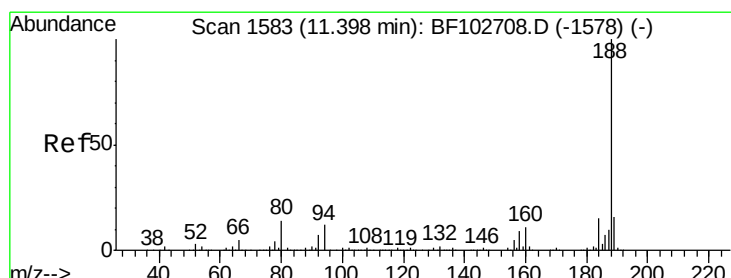
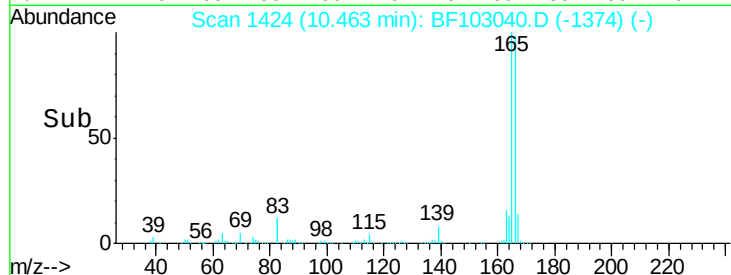
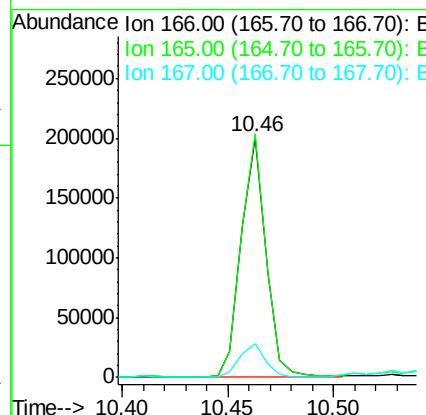
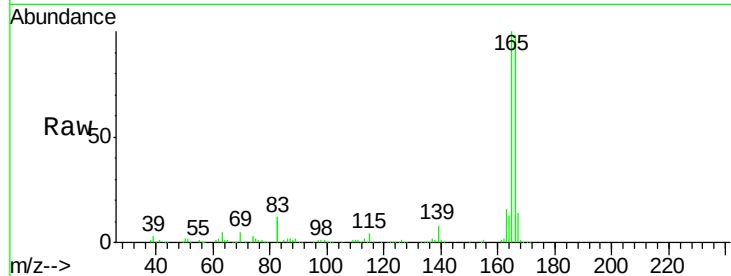
#57
Fluorene
 Concen: 9.009 ng
 RT: 10.46 min Scan# 1424
 Delta R.T. -0.01 min
 Lab File: BF103040.D
 Acq: 16 Feb 2018 7:55

Instrument :
 BNA_F
 ClientSampleId :
 CB-3-LINE-NW@3DL

Tgt Ion	Ratio	Lower	Upper
166	100		
165	101.5	79.8	119.8
167	13.8	10.6	16.0

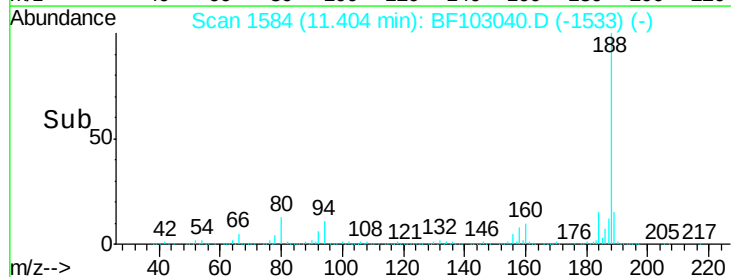
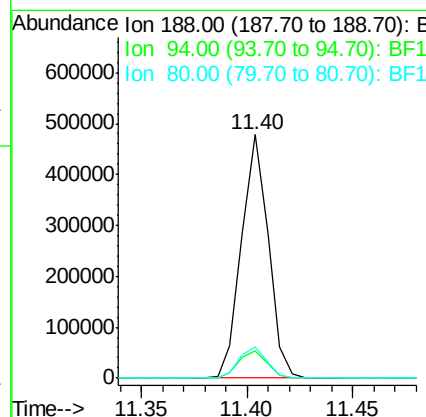
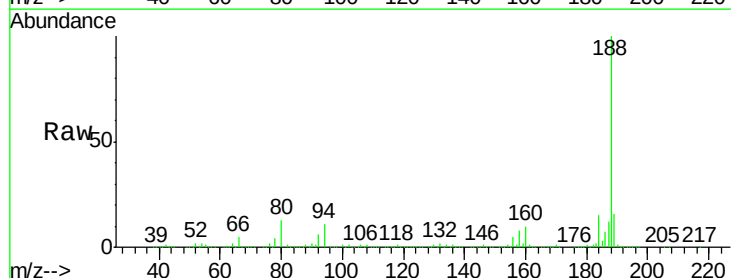
Manual Integrations
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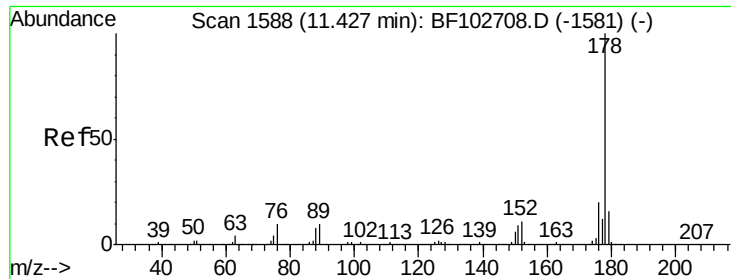
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#63
Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.40 min Scan# 1584
 Delta R.T. -0.00 min
 Lab File: BF103040.D
 Acq: 16 Feb 2018 7:55

Tgt Ion	Ratio	Lower	Upper
188	100		
94	11.2	8.5	12.7
80	12.6	9.2	13.8





#70

Phenanthrene

Concen: 50.401 ng

RT: 11.43 min Scan# 1589

Delta R.T. -0.00 min

Lab File: BF103040.D

Acq: 16 Feb 2018 7:55

Instrument :

BNA_F

ClientSampleId :

CB-3-LINE-NW@3DL

Tgt Ion:178 Resp: 1181389

Ion Ratio Lower Upper

178 100

176 20.1 15.8 23.8

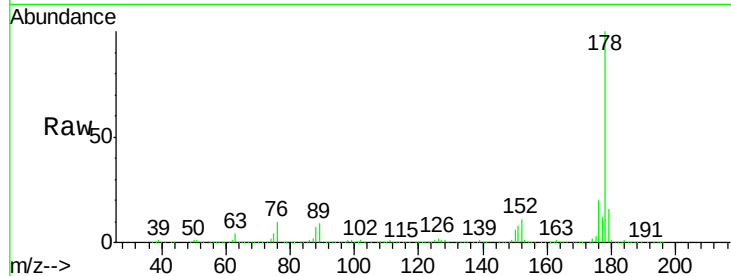
179 15.6 13.0 19.6

Manual Integrations

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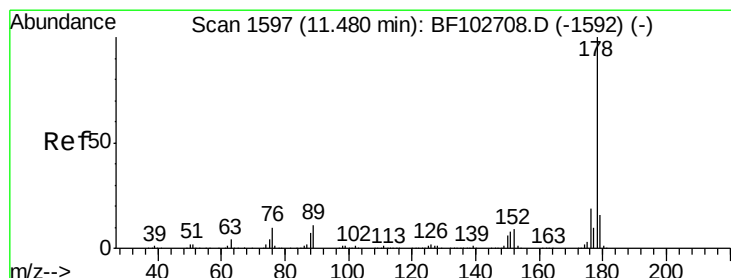
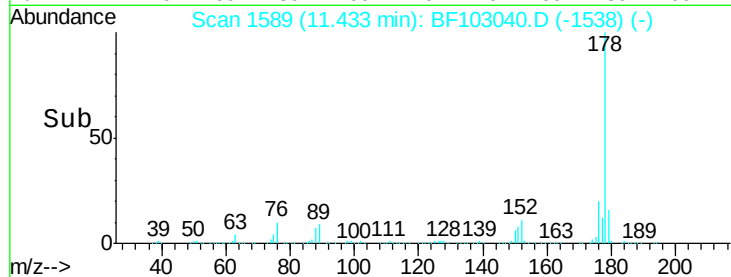
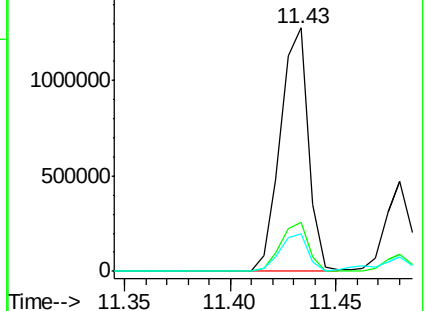
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Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



#71

Anthracene

Concen: 15.774 ng

RT: 11.48 min Scan# 1597

Delta R.T. -0.01 min

Lab File: BF103040.D

Acq: 16 Feb 2018 7:55

Tgt Ion:178 Resp: 376067

Ion Ratio Lower Upper

178 100

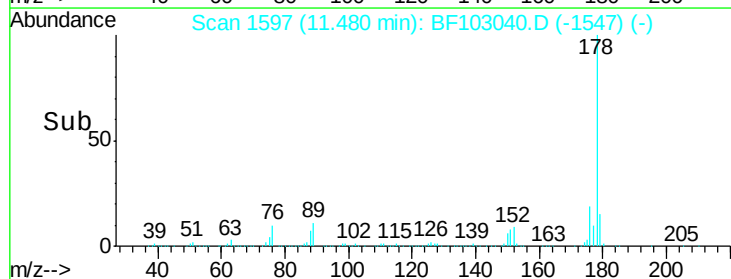
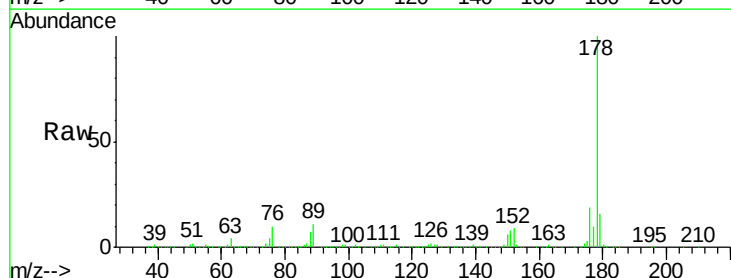
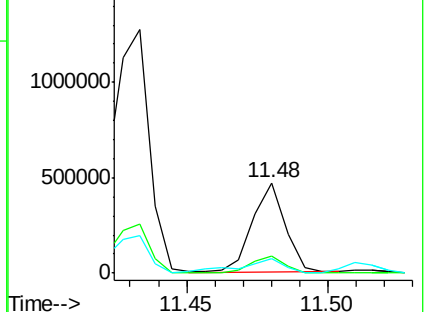
176 18.9 15.4 23.2

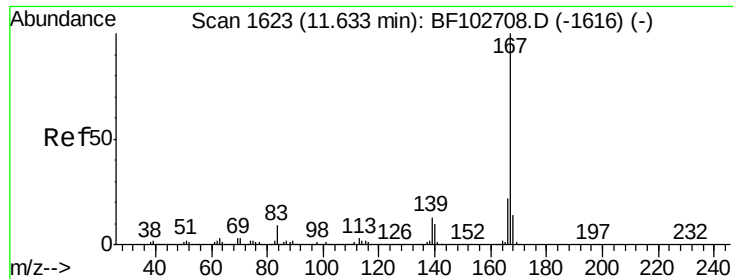
179 15.5 12.6 19.0

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: 7.666 ng

RT: 11.63 min Scan# 1623

Delta R.T. -0.01 min

Lab File: BF103040.D

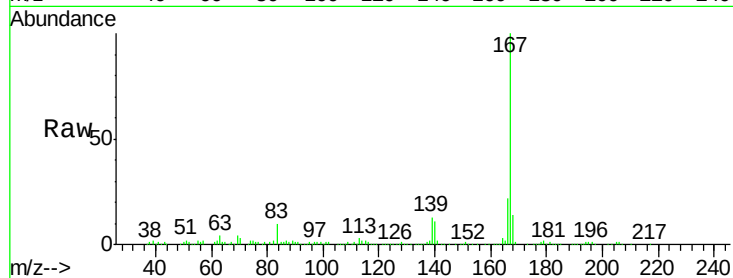
Acq: 16 Feb 2018 7:55

Instrument :

BNA_F

ClientSampleId :

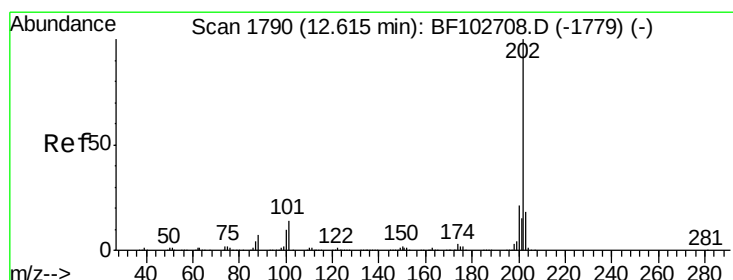
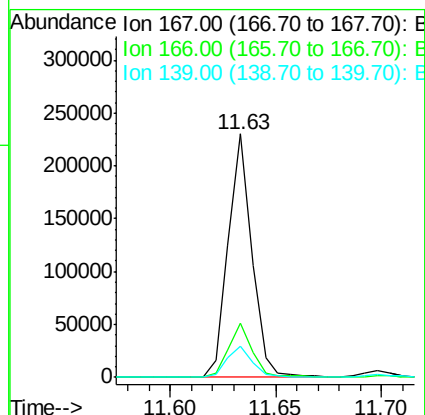
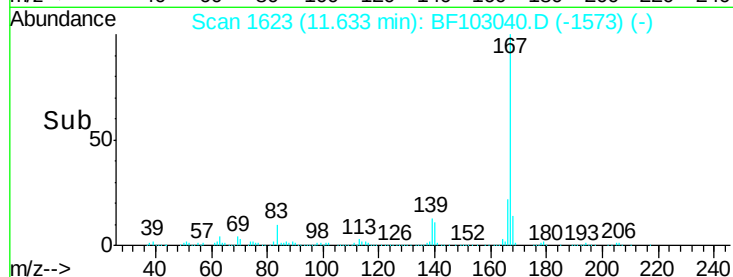
CB-3-LINE-NW@3DL



Tgt Ion:	167	Resp:	179053
Ion Ratio	Lower	Upper	
167	100		
166	22.2	17.6	26.4
139	12.9	10.9	16.3

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#74

Fluoranthene

Concen: 53.341 ng

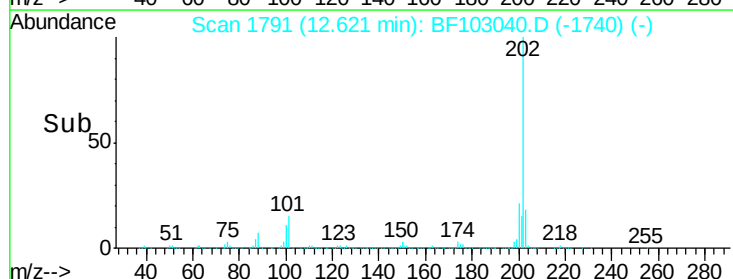
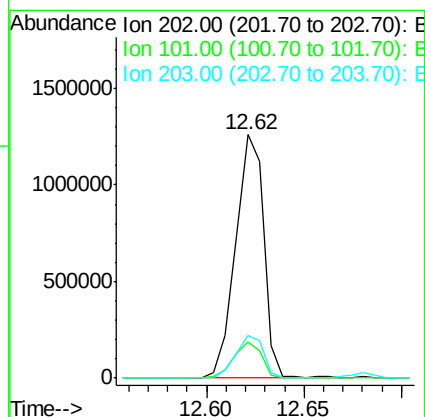
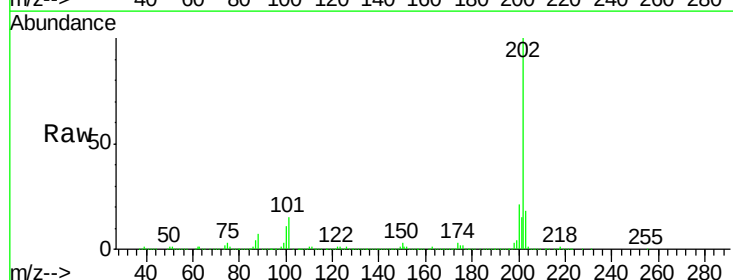
RT: 12.62 min Scan# 1791

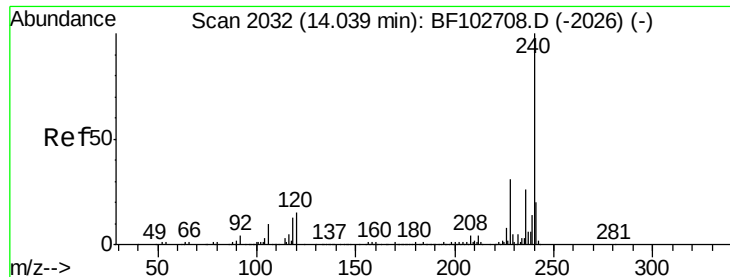
Delta R.T. -0.00 min

Lab File: BF103040.D

Acq: 16 Feb 2018 7:55

Tgt Ion:	202	Resp:	1257964
Ion Ratio	Lower	Upper	
202	100		
101	15.0	0.0	34.1
203	17.8	0.0	38.1





#75

Chrysene-d12

Concen: 20.000 ng

RT: 14.05 min Scan# 2034

Delta R.T. -0.00 min

Lab File: BF103040.D

Acq: 16 Feb 2018 7:55

Instrument :

BNA_F

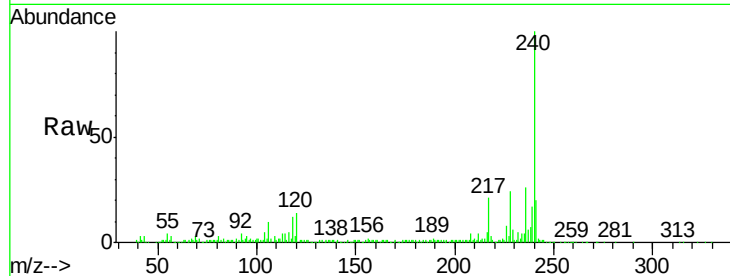
ClientSampleId :

CB-3-LINE-NW@3DL

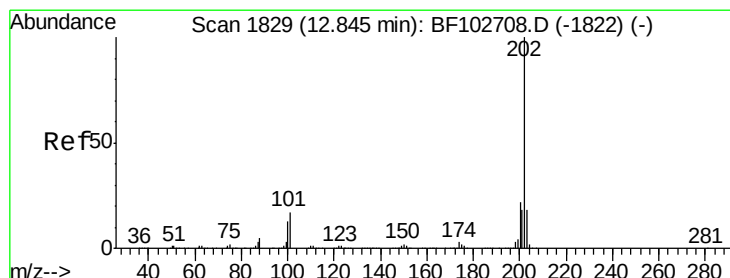
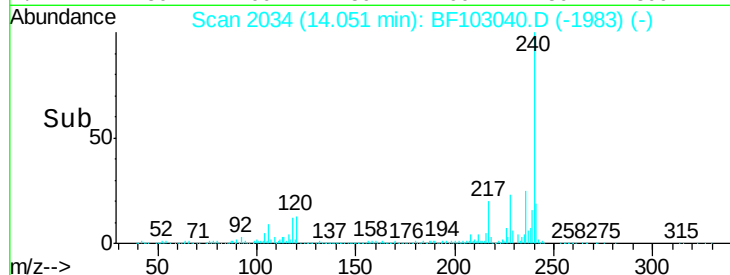
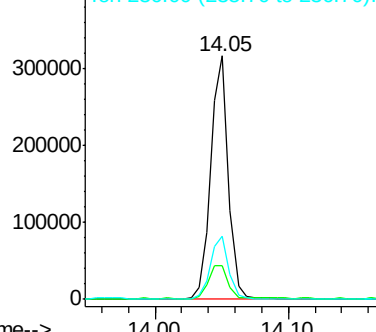
Tgt Ion:	240	Resp:	289723
Ion Ratio	Lower	Upper	
240	100		
120	13.7	9.5	14.3
236	25.7	20.7	31.1

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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

Pyrene

Concen: 46.547 ng

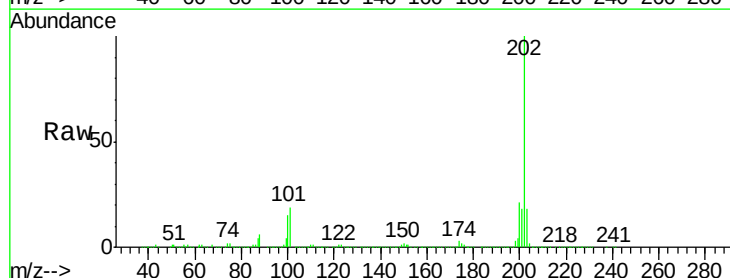
RT: 12.85 min Scan# 1830

Delta R.T. -0.00 min

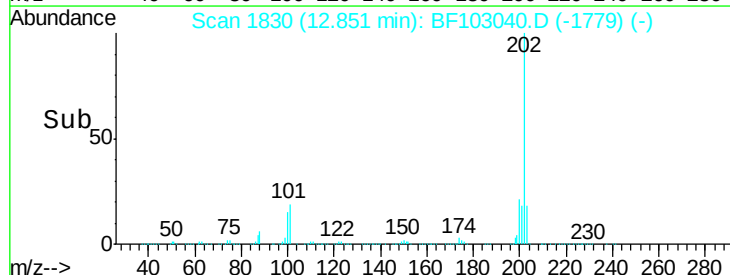
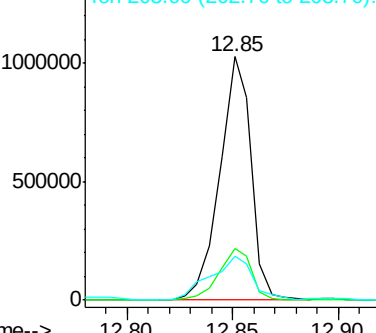
Lab File: BF103040.D

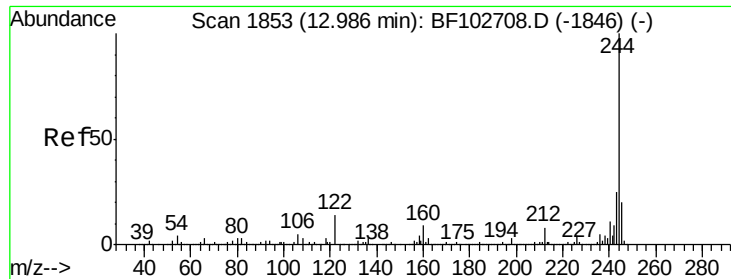
Acq: 16 Feb 2018 7:55

Tgt Ion:	202	Resp:	1057493
Ion Ratio	Lower	Upper	
202	100		
200	21.4	17.4	26.2
203	18.0	14.3	21.5



Abundance Ion 202.00 (201.70 to 202.70): E
Ion 200.00 (199.70 to 200.70): E
Ion 203.00 (202.70 to 203.70): E





#78

Terphenyl-d14

Concen: 9.575 ng

RT: 12.99 min Scan# 1853

Delta R.T. -0.01 min

Lab File: BF103040.D

Acq: 16 Feb 2018 7:55

Instrument :

BNA_F

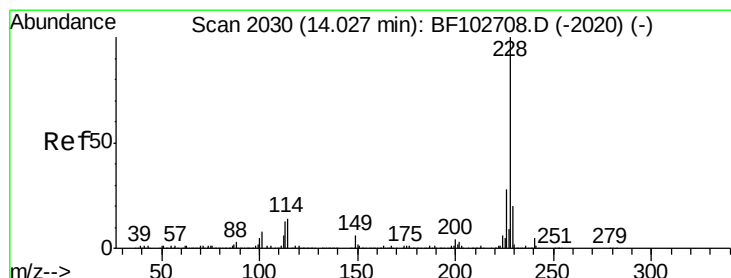
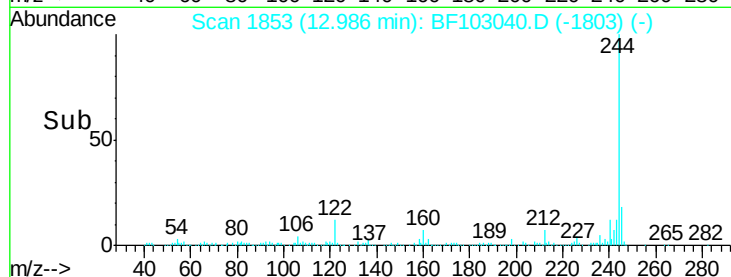
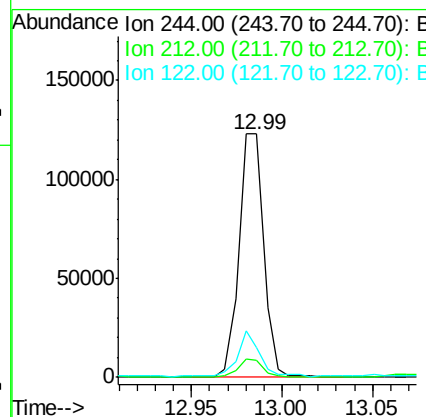
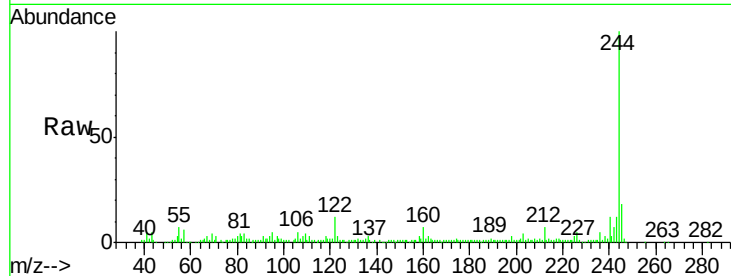
ClientSampleId :

CB-3-LINE-NW@3DL

Tgt Ion:	244	Resp:	117156
Ion Ratio		Lower	Upper
244	100		
212	7.2	5.4	8.0
122	12.3	11.0	16.4

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#80

Benzo(a)anthracene

Concen: 30.884 ng

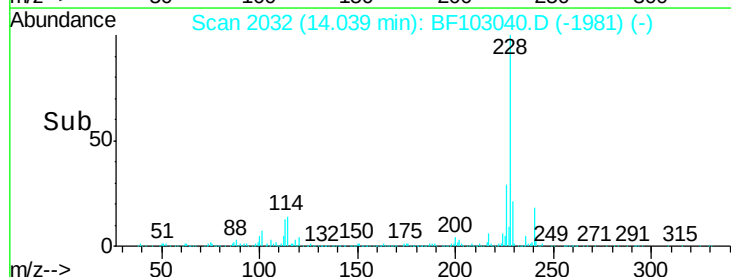
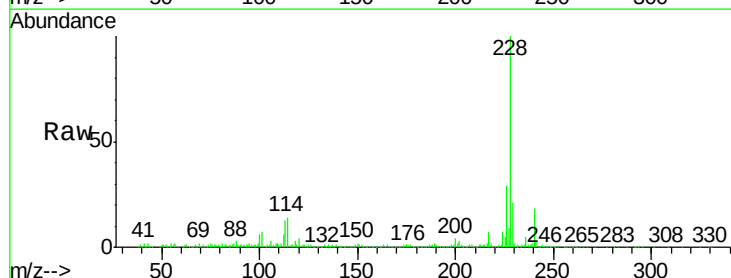
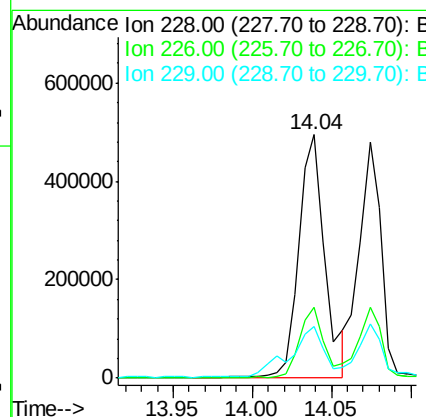
RT: 14.04 min Scan# 2032

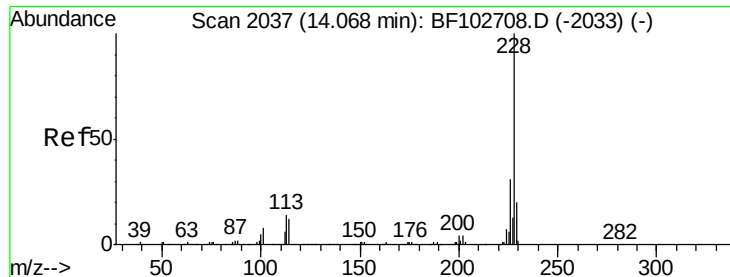
Delta R.T. -0.00 min

Lab File: BF103040.D

Acq: 16 Feb 2018 7:55

Tgt Ion:	228	Resp:	562726
Ion Ratio		Lower	Upper
228	100		
226	28.9	22.6	33.8
229	21.3	15.8	23.6





#82

Chrysene

Concen: 25.152 ng

RT: 14.07 min Scan# 2038

Delta R.T. -0.01 min

Lab File: BF103040.D

Acq: 16 Feb 2018 7:55

Instrument :

BNA_F

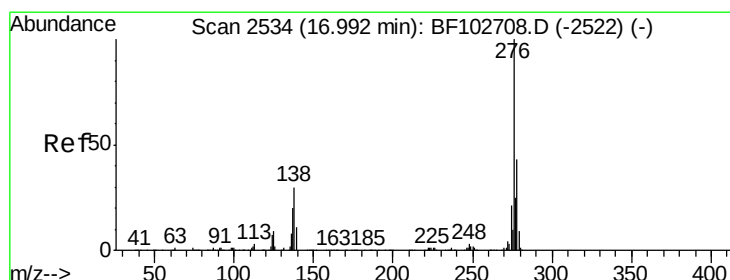
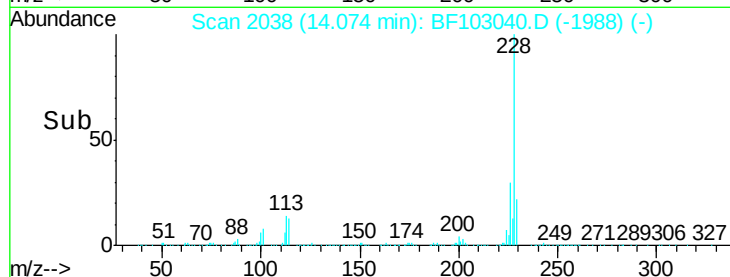
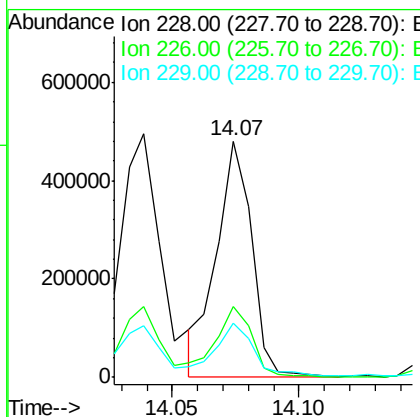
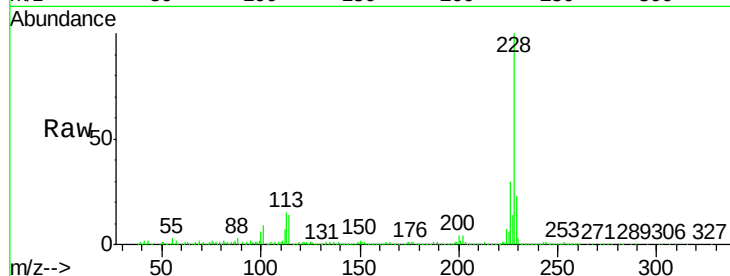
ClientSampleId :

CB-3-LINE-NW@3DL

Tgt Ion:	228	Resp:	461989
Ion Ratio	Lower	Upper	
228	100		
226	30.2	25.0	37.6
229	22.8	16.2	24.4

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#85

Indeno(1,2,3-cd)pyrene

Concen: 14.383 ng

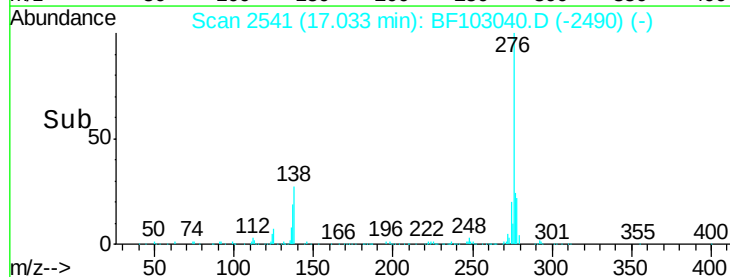
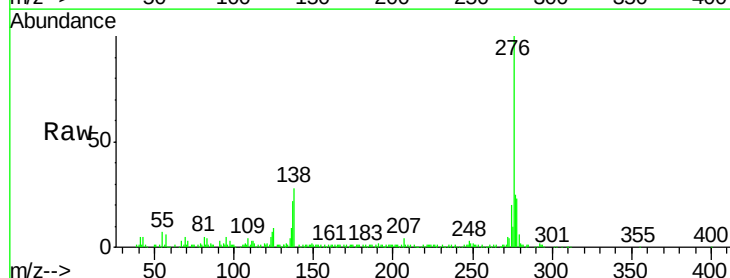
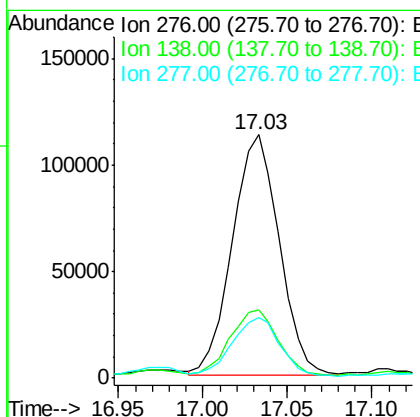
RT: 17.03 min Scan# 2541

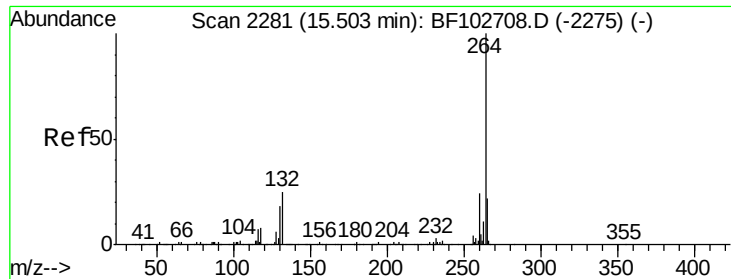
Delta R.T. -0.00 min

Lab File: BF103040.D

Acq: 16 Feb 2018 7:55

Tgt Ion:	276	Resp:	219112
Ion Ratio	Lower	Upper	
276	100		
138	27.6	25.0	37.6
277	24.7	20.1	30.1





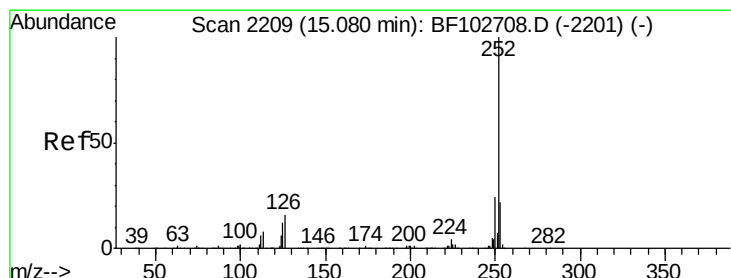
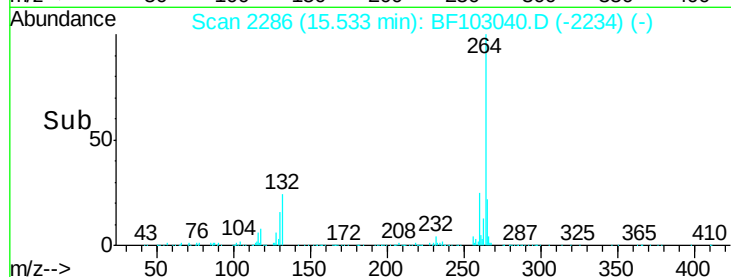
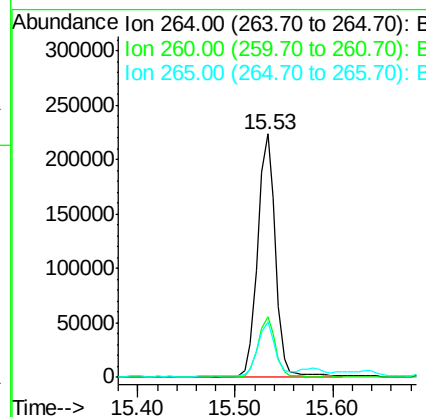
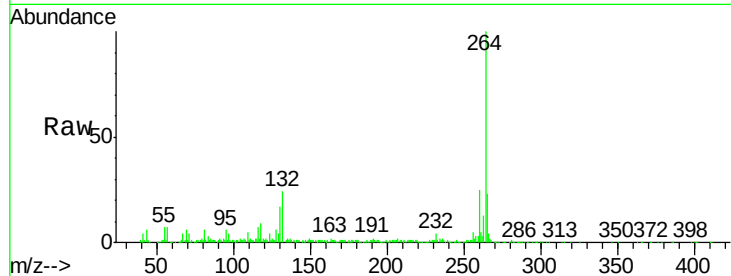
#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.53 min Scan# 2286
 Delta R.T. 0.01 min
 Lab File: BF103040.D
 Acq: 16 Feb 2018 7:55

Instrument :
 BNA_F
 ClientSampleId :
 CB-3-LINE-NW@3DL

Tgt Ion	Ratio	Lower	Upper
264	100		
260	25.0	19.2	28.8
265	22.6	17.5	26.3

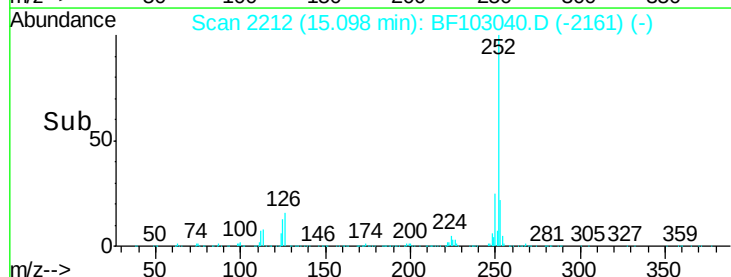
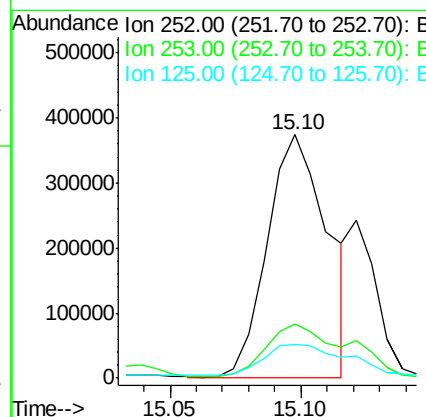
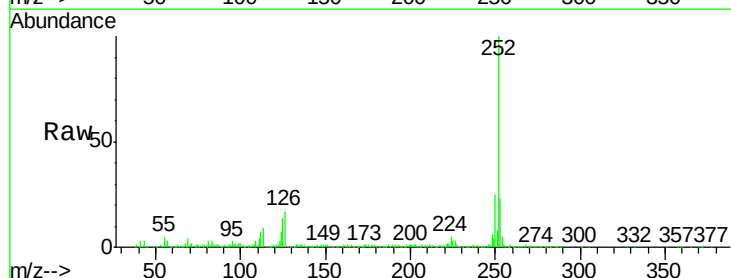
Manual Integrations
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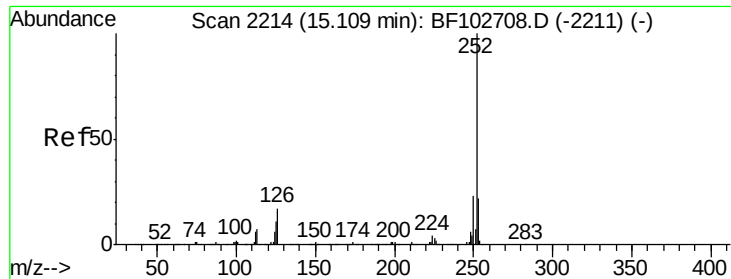
Sohil
 2/16/2018 2:31:28 PM



#87
 Benzo(b)fluoranthene
 Concen: 31.789 ng m
 RT: 15.10 min Scan# 2212
 Delta R.T. -0.00 min
 Lab File: BF103040.D
 Acq: 16 Feb 2018 7:55

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.5	17.0	25.6
125	14.1	9.0	13.6





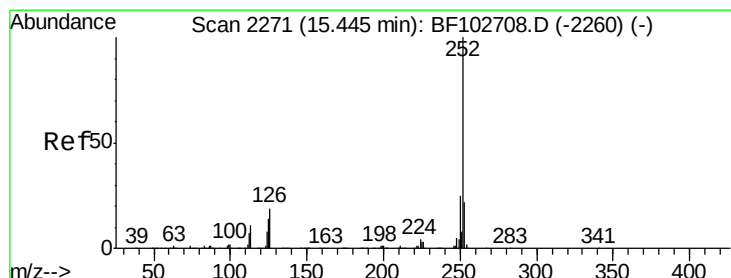
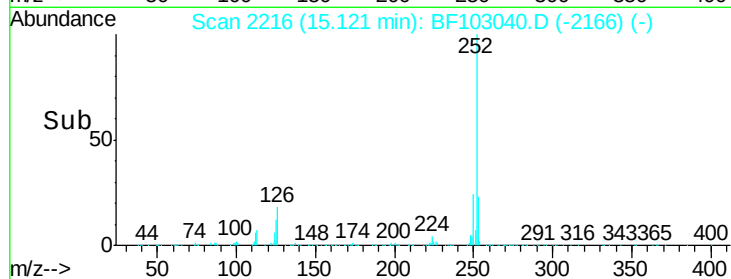
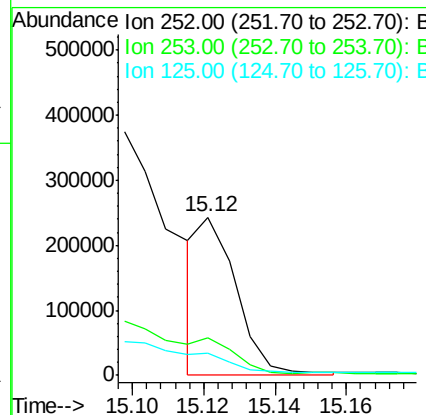
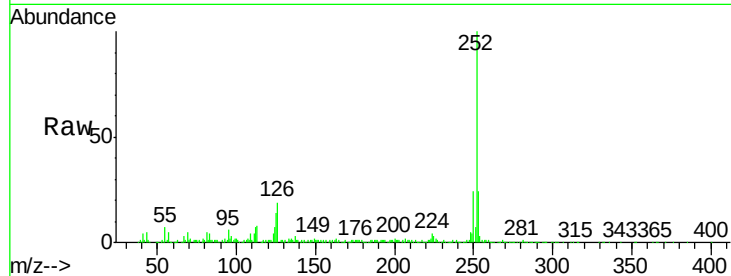
#88
Benzo(k)fluoranthene
Concen: 9.938 ng m
RT: 15.12 min Scan# 2216
Delta R.T. -0.01 min
Lab File: BF103040.D
Acq: 16 Feb 2018 7:55

Instrument :
BNA_F
ClientSampleId :
CB-3-LINE-NW@3DL

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.8	17.9	26.9
125	13.8	10.2	15.2

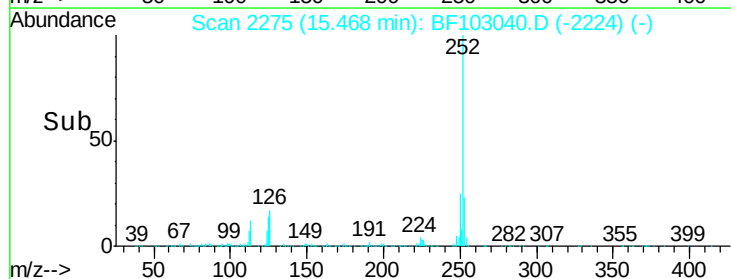
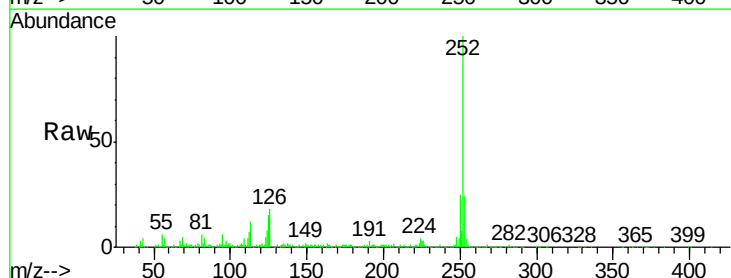
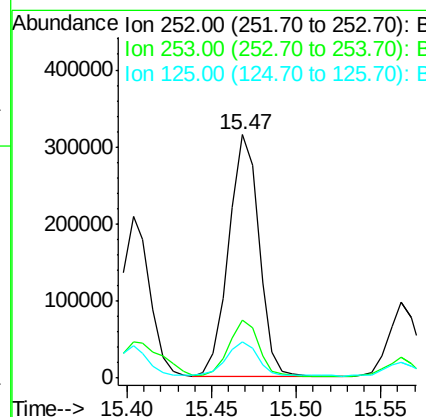
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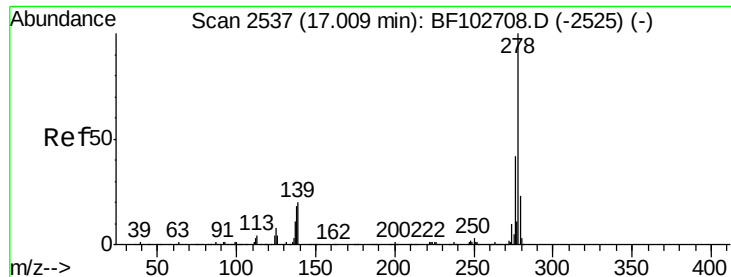
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#89
Benzo(a)pyrene
Concen: 23.158 ng
RT: 15.47 min Scan# 2275
Delta R.T. -0.00 min
Lab File: BF103040.D
Acq: 16 Feb 2018 7:55

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.7	17.1	25.7
125	14.9	9.8	14.6#





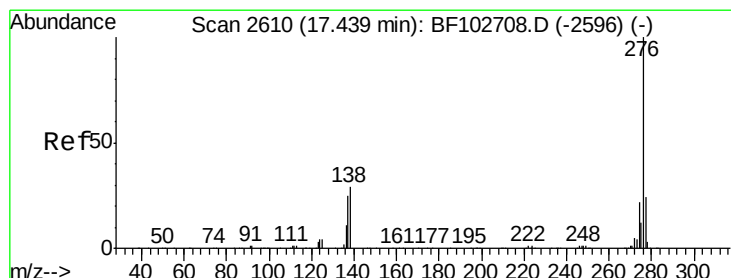
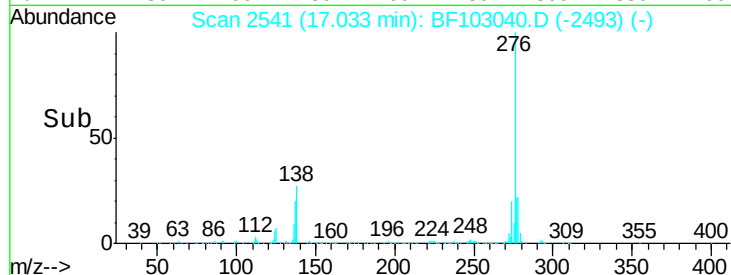
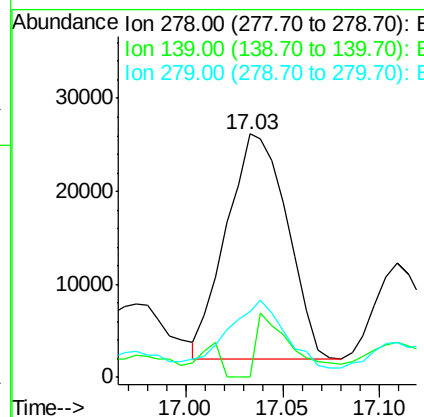
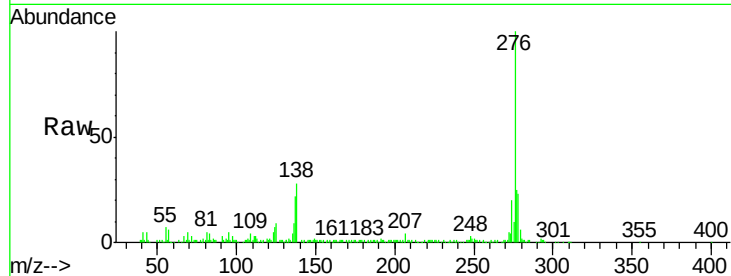
#90
Dibenzo(a,h)anthracene
Concen: 3.837 ng m
RT: 17.03 min Scan# 2541
Delta R.T. -0.02 min
Lab File: BF103040.D
Acq: 16 Feb 2018 7:55

Instrument :
BNA_F
ClientSampleId :
CB-3-LINE-NW@3DL

Tgt Ion	Ratio	Lower	Upper
278	100		
139	0.0	15.9	23.9#
279	26.7	19.0	28.4

Manual Integrations
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#91
Benzo(g,h,i)perylene
Concen: 15.230 ng
RT: 17.49 min Scan# 2619
Delta R.T. -0.00 min
Lab File: BF103040.D
Acq: 16 Feb 2018 7:55

Tgt Ion	Ratio	Lower	Upper
276	100		
277	24.1	17.9	26.9
138	25.6	21.8	32.8

