

Data Path : \\74.0.250.170\SV0ASRV\HPCHEM1\BNA F\DATA\BF111317\
 Data File : BF100535.D
 Acq On : 14 Nov 2017 9:53
 Operator : SJ/JU
 Sample : I6301-03DL 20X
 Misc :
 ALS Vial : 38 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 JC-02-110917-BDL

Manual Integrations
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 11/14/2017 5:20:50 PM

Quant Time: Nov 14 11:13:25 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF110817.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Nov 14 02:37:14 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.89	152	128211	20.00	ng	-0.01
21) Naphthalene-d8	8.17	136	462734	20.00	ng	-0.01
38) Acenaphthene-d10	9.93	164	174116	20.00	ng	-0.01
63) Phenanthrene-d10	11.41	188	268616	20.00	ng	-0.01
75) Chrysene-d12	14.05	240	266826	20.00	ng	-0.02
86) Perylene-d12	15.53	264	199363	20.00	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.49	112	49907	6.24	ng	-0.02
7) Phenol-d6	6.50	99	61627	6.25	ng	-0.02
23) Nitrobenzene-d5	7.45	82	32650	4.66	ng	-0.02
41) 2,4,6-Tribromophenol	10.71	330	8734	4.92	ng	-0.02
44) 2-Fluorobiphenyl	9.24	172	61540	5.38	ng	-0.02
78) Terphenyl-d14	12.99	244	44526	3.83	ng	-0.02
Target Compounds						
31) Naphthalene	8.19	128	331965	14.895	ng	Qvalue 99
37) 2-Methylnaphthalene	8.88	142	105667	7.141	ng	99
51) Acenaphthene	9.96	154	89451	8.124	ng	100
54) Dibenzofuran	10.13	168	131513	8.522	ng	98
57) Fluorene	10.47	166	165551	14.643	ng	99
70) Phenanthrene	11.44	178	735356	51.994	ng	99
71) Anthracene	11.49	178	233471	16.271	ng	99
72) Carbazole	11.64	167	62858	4.748	ng	98
74) Fluoranthene	12.63	202	705211	47.049	ng	97
77) Pyrene	12.86	202	586664	30.844	ng	99
80) Benzo(a)anthracene	14.04	228	305121	18.989	ng	99
82) Chrysene	14.07	228	236171	15.178	ng	97
85) Indeno(1,2,3-cd)pyrene	17.01	276	68685	5.457	ng	# 93
87) Benzo(b)fluoranthene	15.09	252	219538m	18.587	ng	
88) Benzo(k)fluoranthene	15.12	252	79291m	7.105	ng	
89) Benzo(a)pyrene	15.46	252	149204	14.249	ng	98
90) Dibenzo(a,h)anthracene	17.02	278	17436m	2.036	ng	
91) Benzo(g,h,i)perylene	17.46	276	62773	7.489	ng	93

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

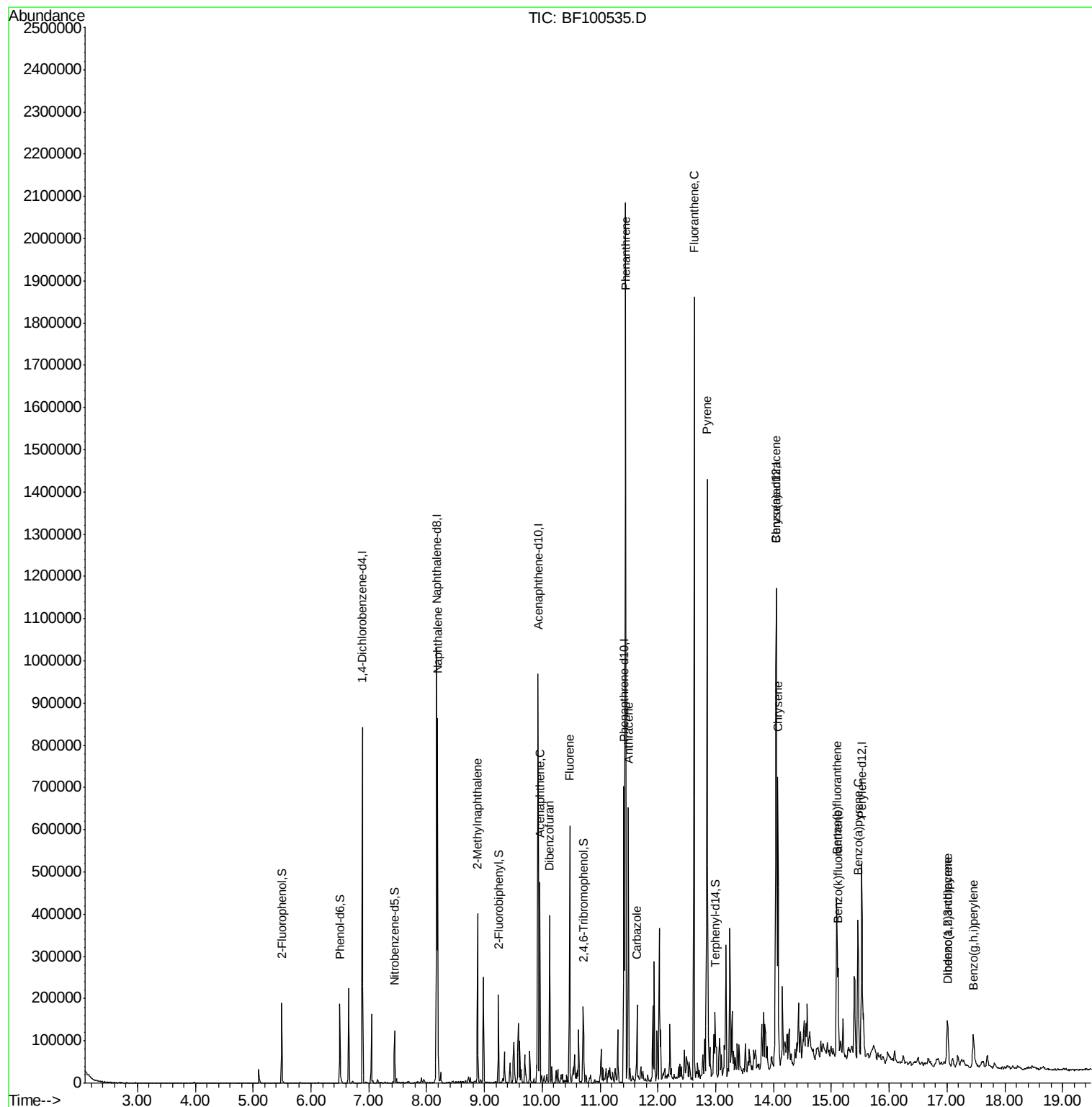
Data Path : \\74.0.250.170\SVOASRV\HPCHEM1\BNA F\DATA\BF111317\
Data File : BF100535.D
Acq On : 14 Nov 2017 9:53
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ALS Vial : 38 Sample Multiplier: 1

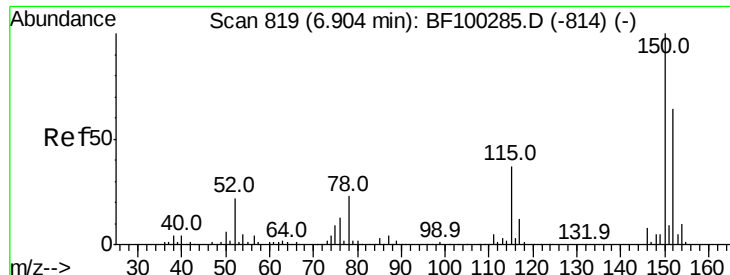
Instrument :
BNA_F
ClientSampleId :
JC-02-110917-BDL

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Quant Time: Nov 14 11:13:25 2017
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF110817.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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#1

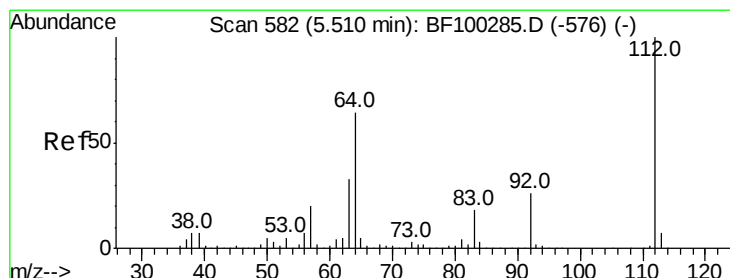
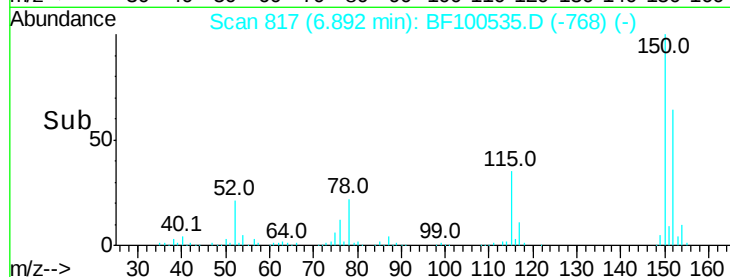
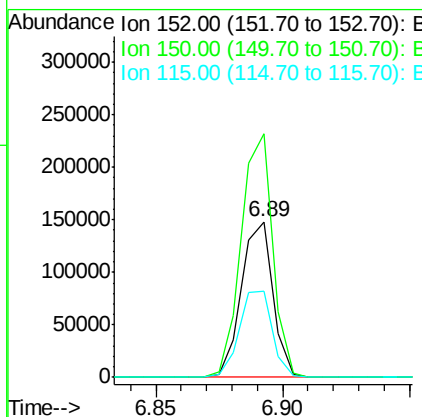
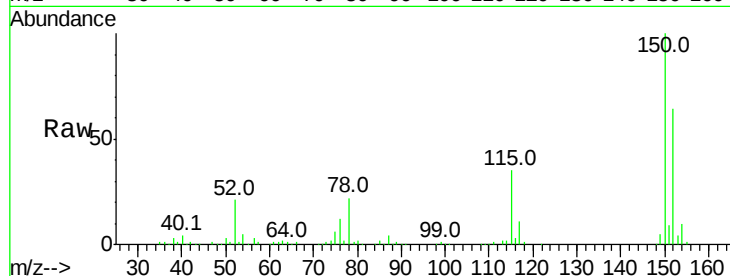
1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.89 min Scan# 817
 Delta R.T. -0.01 min
 Lab File: BF100535.D
 Acq: 14 Nov 2017 9:53

Instrument :
 BNA_F
 ClientSampleId :
 JC-02-110917-BDL

Tot Ion	Ratio	Lower	Upper
152	100		
150	156.6	124.6	186.8
115	55.4	50.1	75.1

Manual Integrations
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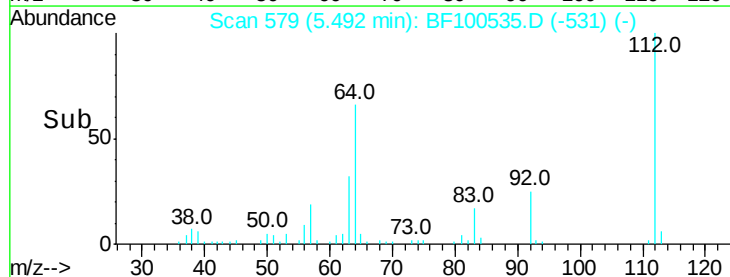
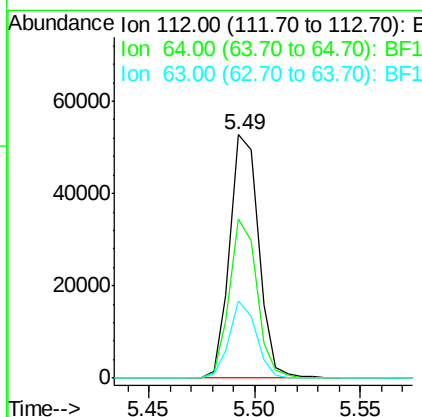
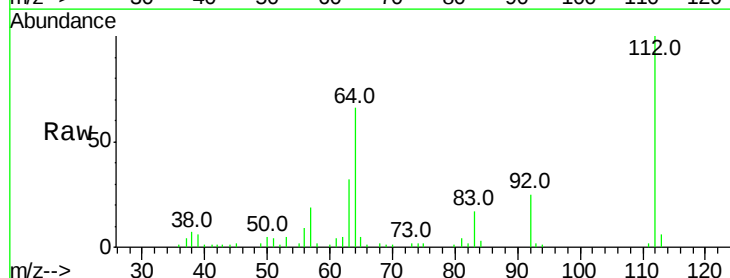
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#5

2-Fluorophenol
 Concen: 6.240 ng
 RT: 5.49 min Scan# 579
 Delta R.T. -0.02 min
 Lab File: BF100535.D
 Acq: 14 Nov 2017 9:53

Tgt Ion	Ratio	Lower	Upper
112	100		
64	65.5	47.9	71.9
63	31.8	23.7	35.5





#7

Phenol-d6

Concen: 6.248 ng

RT: 6.50 min Scan# 751

Delta R.T. -0.02 min

Lab File: BF100535.D

Acq: 14 Nov 2017 9:53

Instrument :

BNA_F

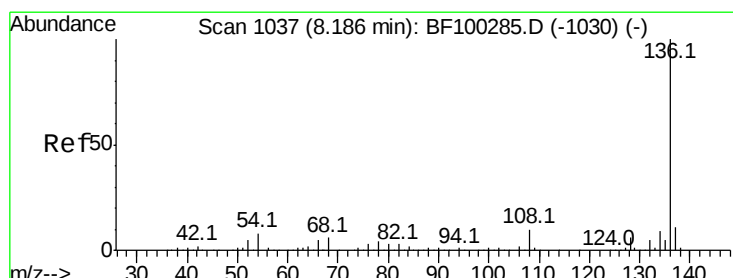
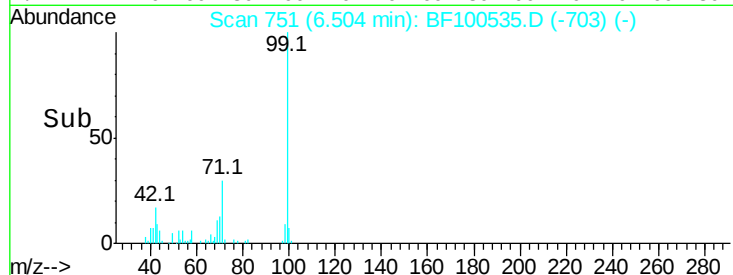
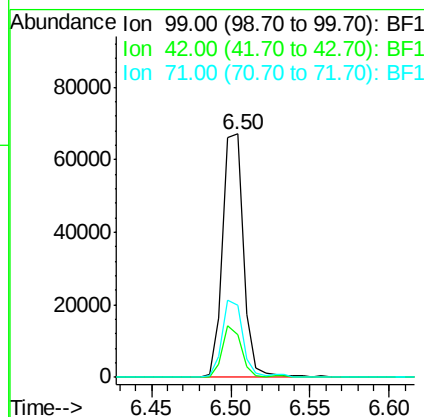
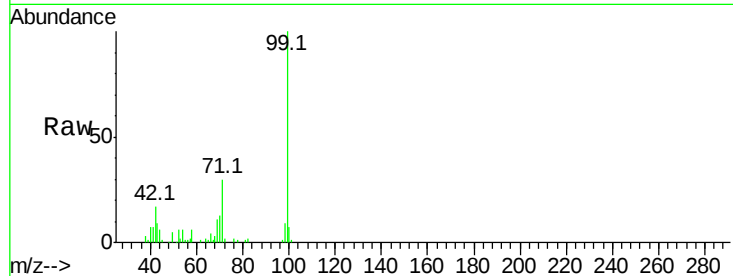
ClientSampleId :

JC-02-110917-BDL

Tot Ion:	99	Resp:	61627
Ion Ratio	Lower	Upper	
99	100		
42	17.4	14.5	21.7
71	29.7	25.4	38.0

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#21

Naphthalene-d8

Concen: 20.000 ng

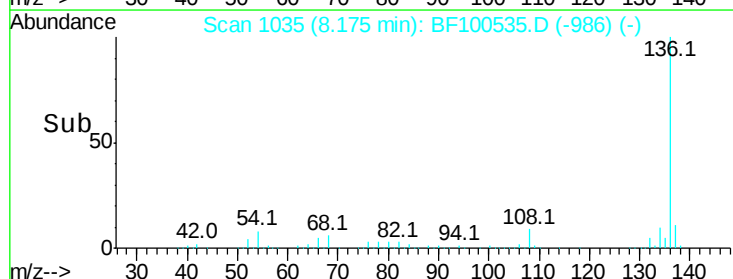
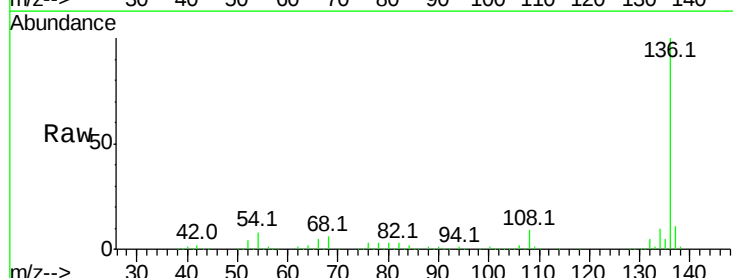
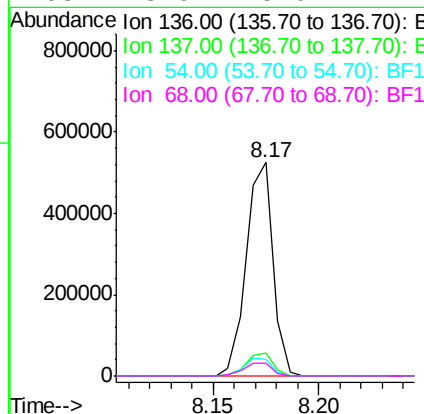
RT: 8.17 min Scan# 1035

Delta R.T. -0.01 min

Lab File: BF100535.D

Acq: 14 Nov 2017 9:53

Tgt Ion:	136	Resp:	462734
Ion Ratio	Lower	Upper	
136	100		
137	10.7	8.9	13.3
54	7.7	6.6	9.8
68	5.9	5.0	7.4





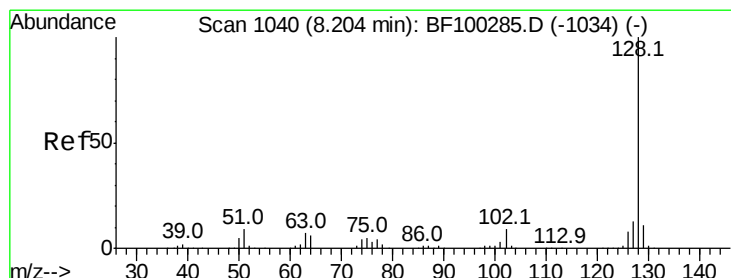
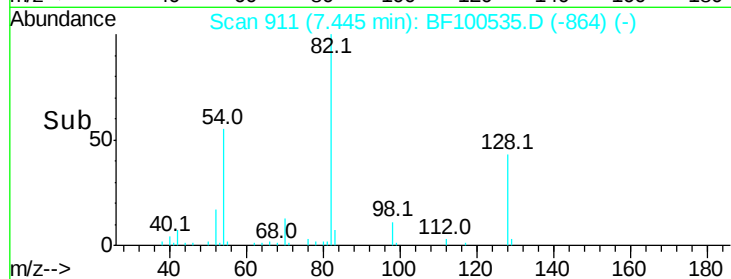
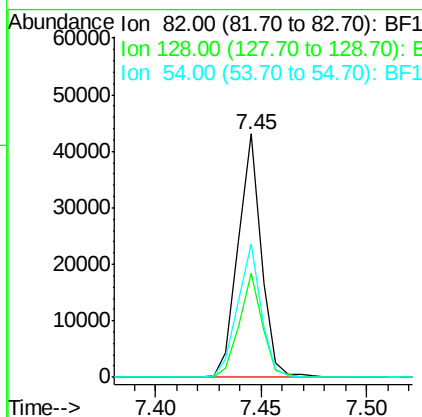
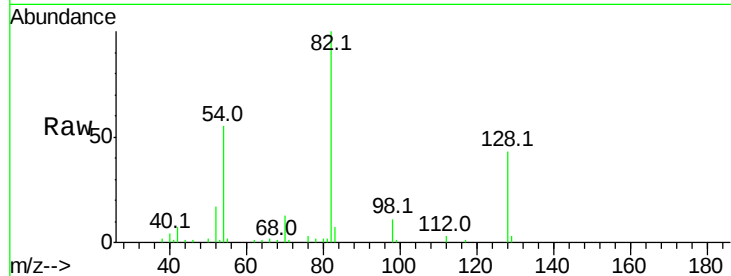
#23
Nitrobenzene-d5
Concen: 4.665 ng
RT: 7.45 min Scan# 911
Delta R.T. -0.02 min
Lab File: BF100535.D
Acq: 14 Nov 2017 9:53

Instrument :
BNA_F
ClientSampleId :
JC-02-110917-BDL

Tot Ion	Ratio	Lower	Upper
82	100		
128	42.6	36.1	54.1
54	54.7	41.4	62.2

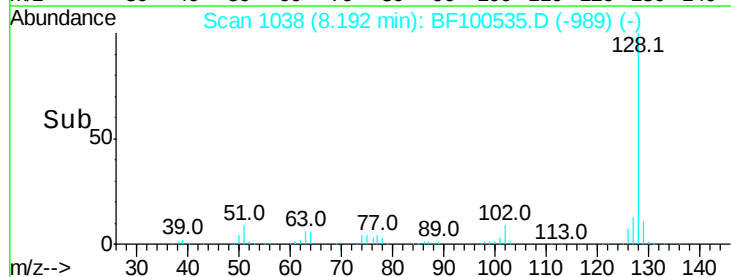
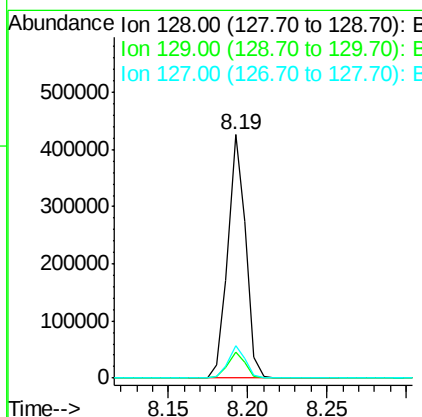
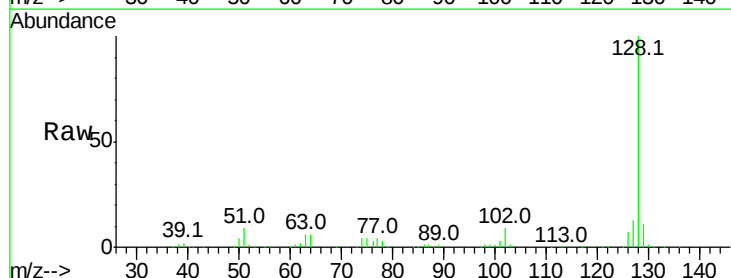
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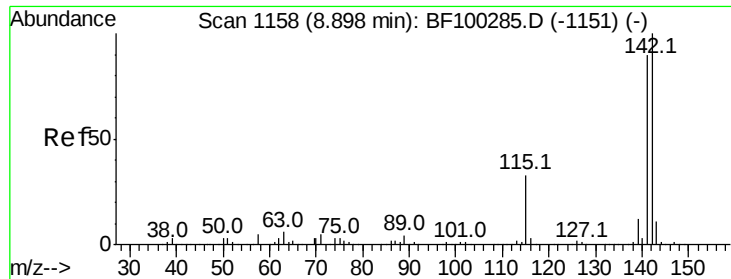
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#31
Naphthalene
Concen: 14.895 ng
RT: 8.19 min Scan# 1038
Delta R.T. -0.01 min
Lab File: BF100535.D
Acq: 14 Nov 2017 9:53

Tgt Ion	Ratio	Lower	Upper
128	100		
129	10.9	8.8	13.2
127	13.1	10.9	16.3





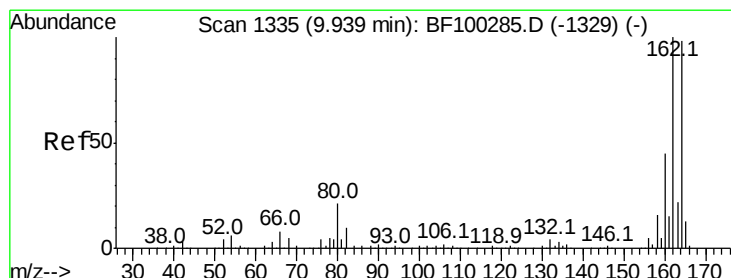
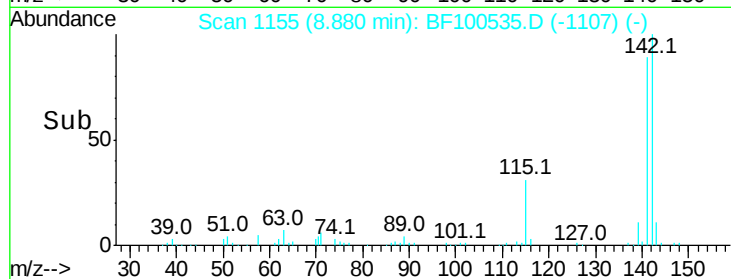
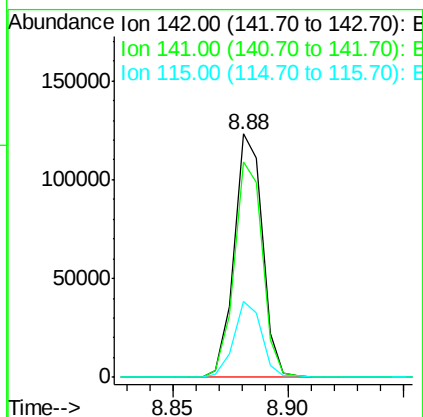
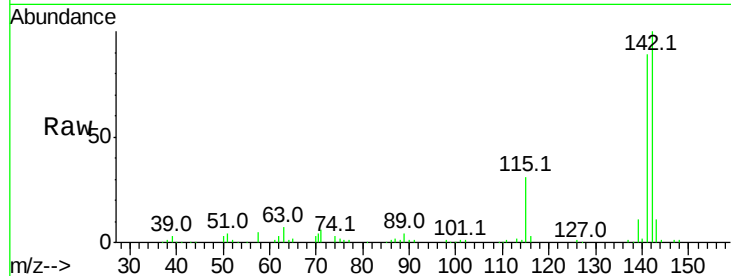
#37
2-Methylnaphthalene
Concen: 7.141 ng
RT: 8.88 min Scan# 1155
Delta R.T. -0.02 min
Lab File: BF100535.D
Acq: 14 Nov 2017 9:53

Instrument :
BNA_F
ClientSampleId :
JC-02-110917-BDL

Tot Ion	Ratio	Lower	Upper
142	100		
141	88.5	70.8	106.2
115	31.0	26.1	39.1

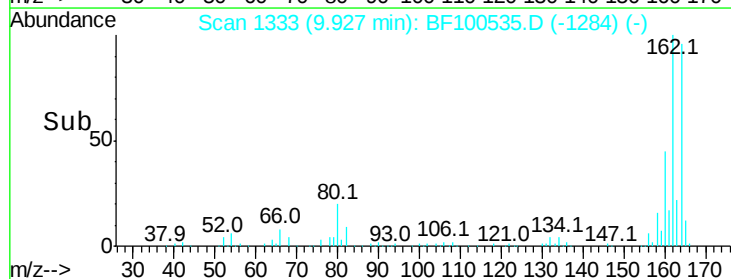
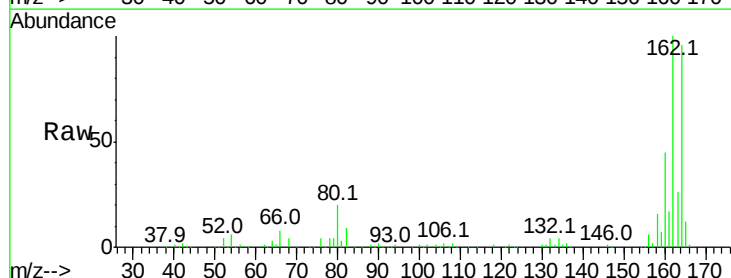
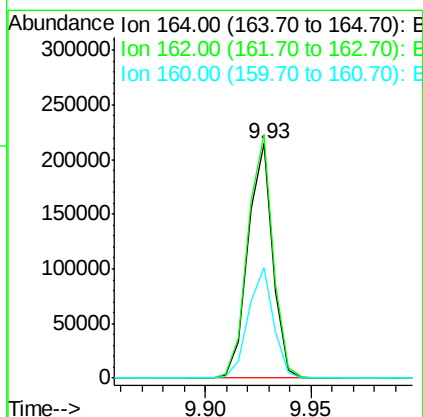
Manual Integrations
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#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.93 min Scan# 1333
Delta R.T. -0.01 min
Lab File: BF100535.D
Acq: 14 Nov 2017 9:53

Tgt Ion	Ratio	Lower	Upper
164	100		
162	103.8	86.1	129.1
160	47.2	38.3	57.5





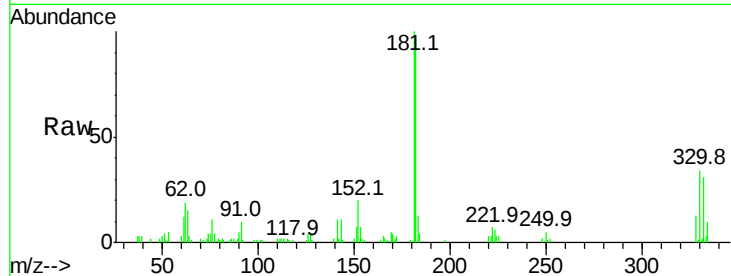
#41
 2,4,6-Tribromophenol
 Concen: 4.923 ng
 RT: 10.71 min Scan# 1466
 Delta R.T. -0.02 min
 Lab File: BF100535.D
 Acq: 14 Nov 2017 9:53

Instrument :
 BNA_F
 ClientSampleId :
 JC-02-110917-BDL

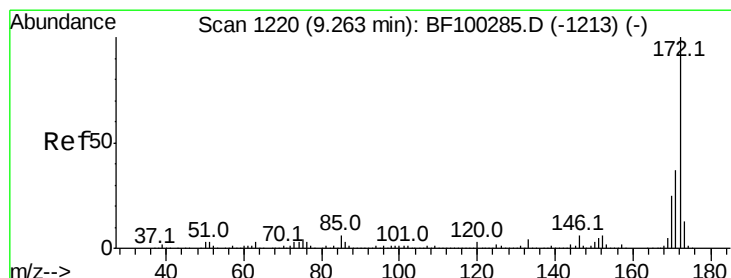
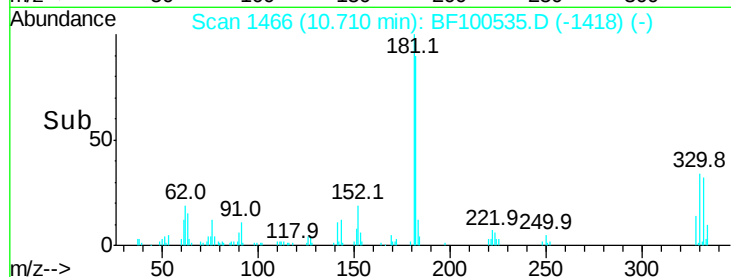
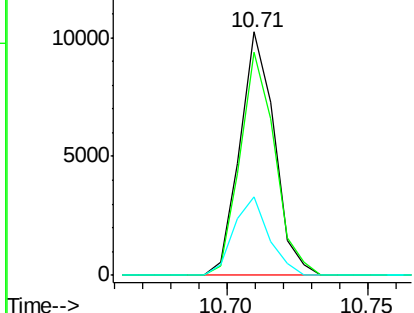
Tot Ion	Ratio	Lower	Upper
330	100		
332	92.0	77.0	115.6
141	32.8	29.9	44.9

Manual Integrations
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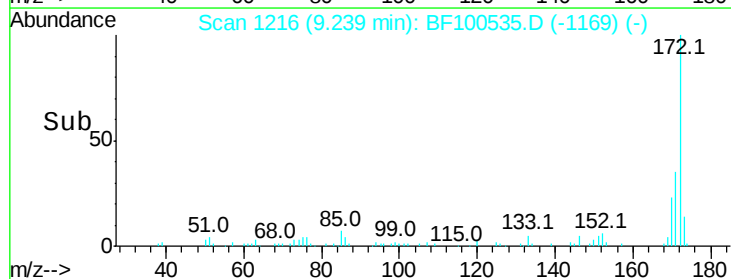
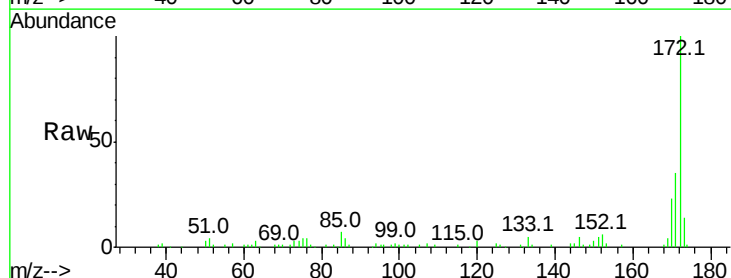
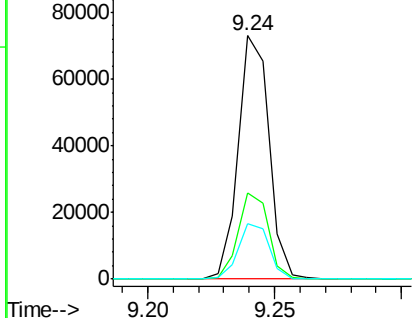
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 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

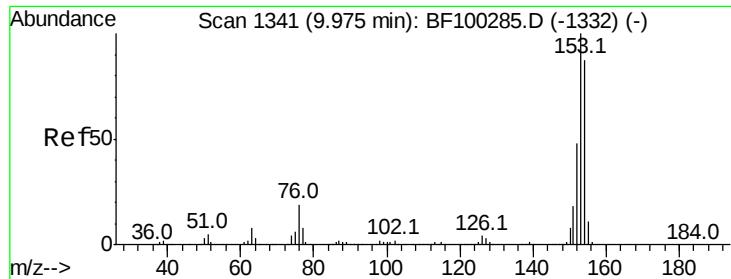


#44
 2-Fluorobiphenyl
 Concen: 5.382 ng
 RT: 9.24 min Scan# 1216
 Delta R.T. -0.02 min
 Lab File: BF100535.D
 Acq: 14 Nov 2017 9:53

Tgt Ion	Ratio	Lower	Upper
172	100		
171	35.3	29.7	44.5
170	22.8	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





#51

Acenaphthene

Concen: 8.124 ng

RT: 9.96 min Scan# 1338

Delta R.T. -0.02 min

Lab File: BF100535.D

Acq: 14 Nov 2017 9:53

Instrument :

BNA_F

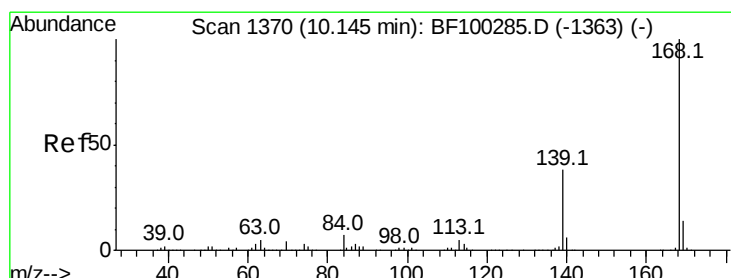
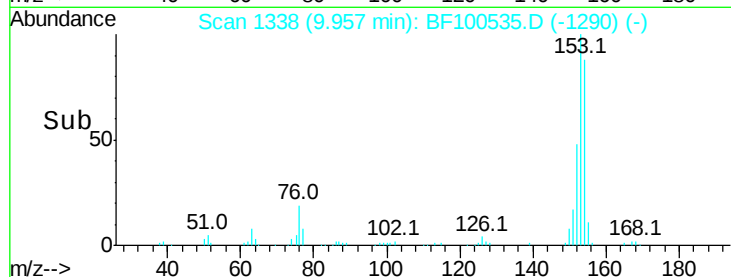
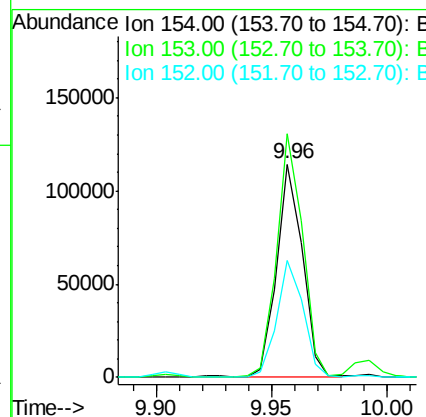
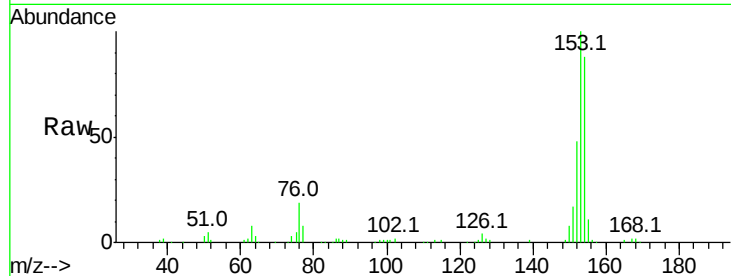
ClientSampleId :

JC-02-110917-BDL

Tot Ion:	154	Resp:	89451
Ion Ratio	Lower	Upper	
154	100		
153	114.1	91.2	136.8
152	55.0	43.8	65.8

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#54

Dibenzofuran

Concen: 8.522 ng

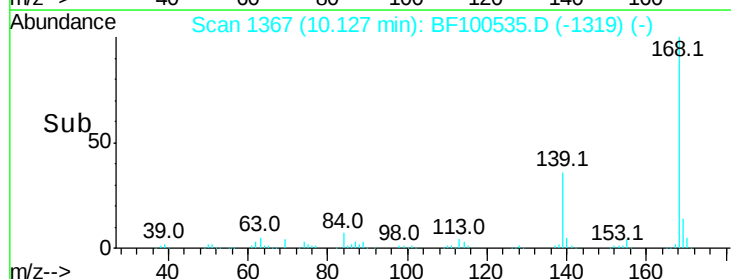
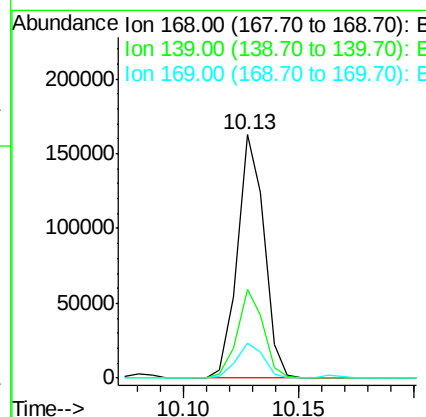
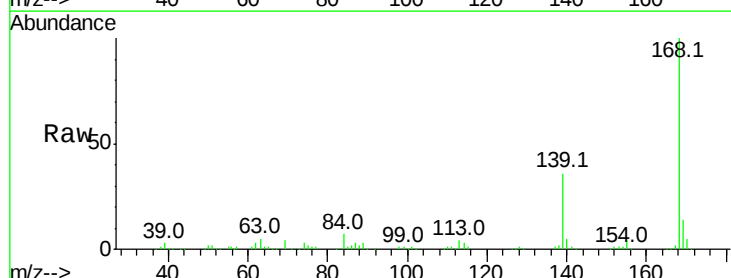
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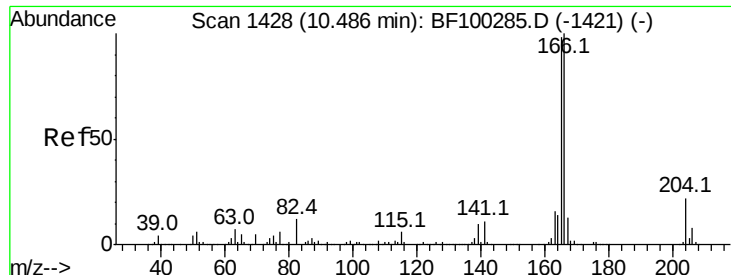
Delta R.T. -0.02 min

Lab File: BF100535.D

Acq: 14 Nov 2017 9:53

Tgt Ion:	168	Resp:	131513
Ion Ratio	Lower	Upper	
168	100		
139	36.4	30.1	45.1
169	14.3	10.9	16.3





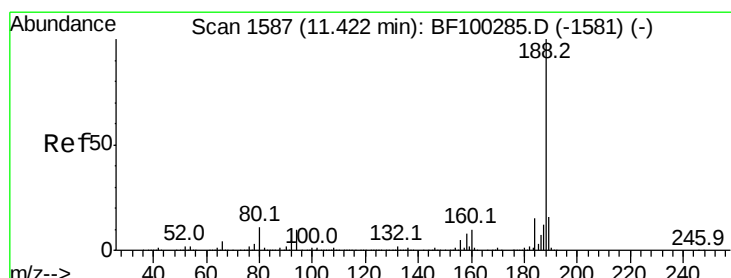
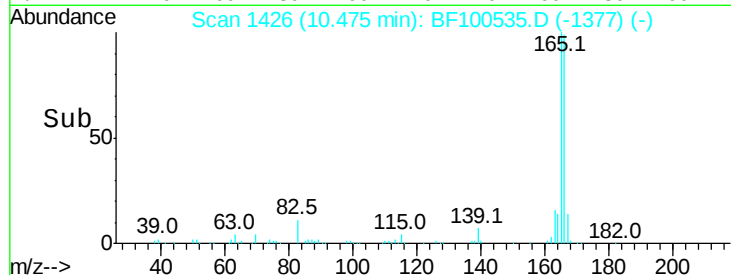
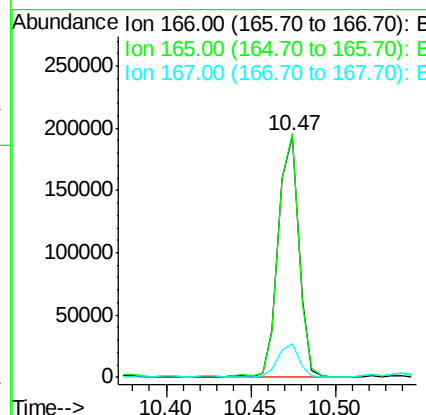
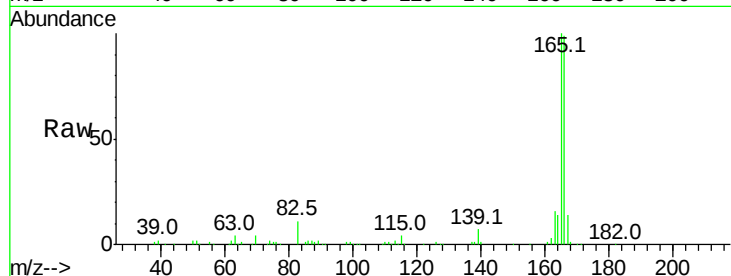
#57
Fluorene
 Concen: 14.643 ng
 RT: 10.47 min Scan# 1426
 Delta R.T. -0.01 min
 Lab File: BF100535.D
 Acq: 14 Nov 2017 9:53

Instrument :
 BNA_F
 ClientSampleId :
 JC-02-110917-BDL

Tot Ion	Ratio	Resp	Lower	Upper
166	100	165551		
165	100.8	79.8	119.8	
167	13.7	10.6	16.0	

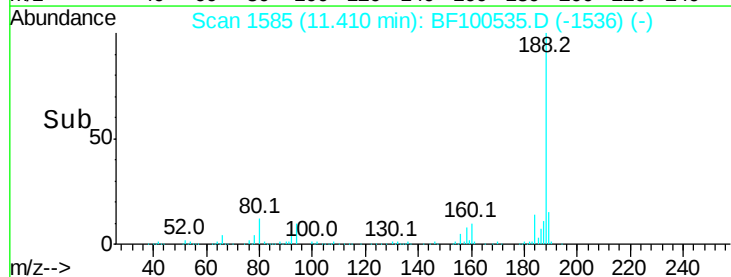
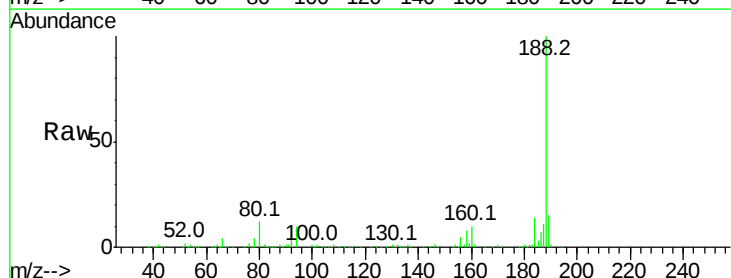
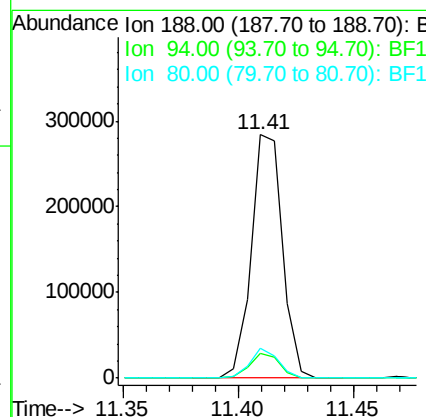
Manual Integrations
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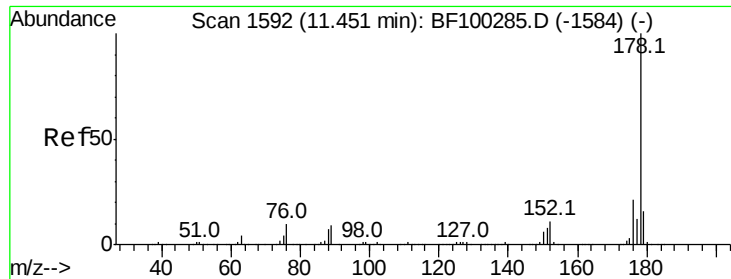
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#63
Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.41 min Scan# 1585
 Delta R.T. -0.01 min
 Lab File: BF100535.D
 Acq: 14 Nov 2017 9:53

Tgt Ion	Ratio	Resp	Lower	Upper
188	100	268616		
94	10.0	8.5	12.7	
80	12.2	9.2	13.8	





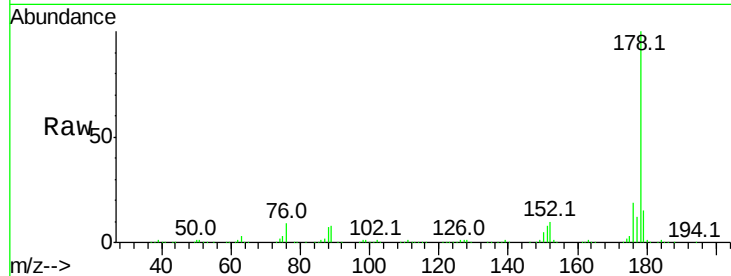
#70
Phenanthrene
Concen: 51.994 ng
RT: 11.44 min Scan# 1590
Delta R.T. -0.01 min
Lab File: BF100535.D
Acq: 14 Nov 2017 9:53

Instrument :
BNA_F
ClientSampleId :
JC-02-110917-BDL

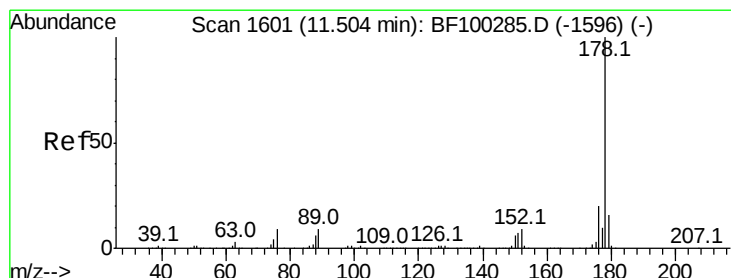
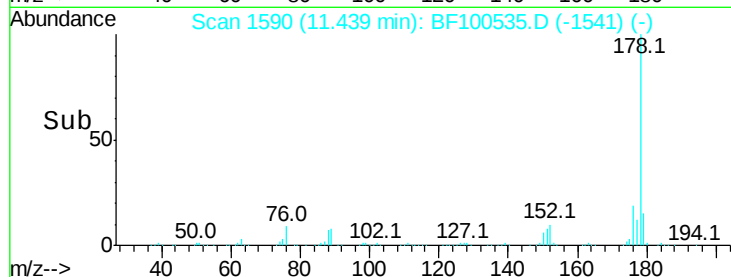
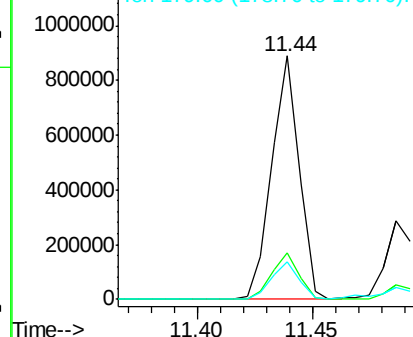
Tot Ion	Ratio	Lower	Upper
178	100		
176	19.3	15.8	23.8
179	15.5	13.0	19.6

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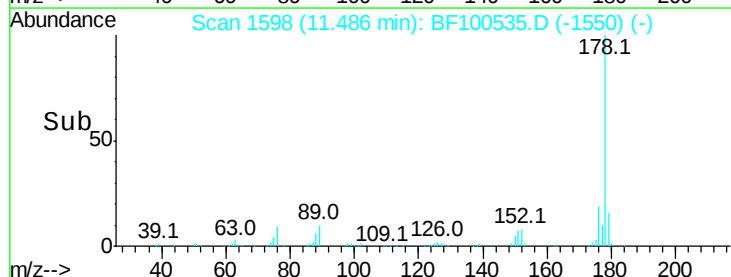
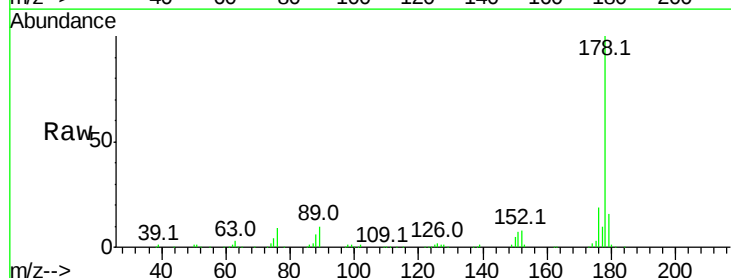
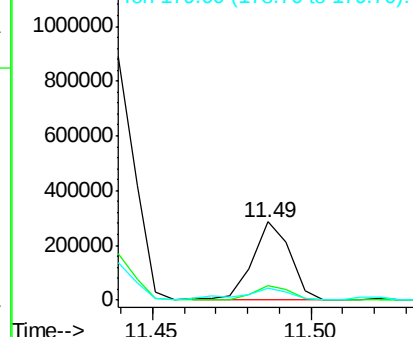
Abundance Ion 178.00 (177.70 to 178.70): E
Ion 176.00 (175.70 to 176.70): E
Ion 179.00 (178.70 to 179.70): E

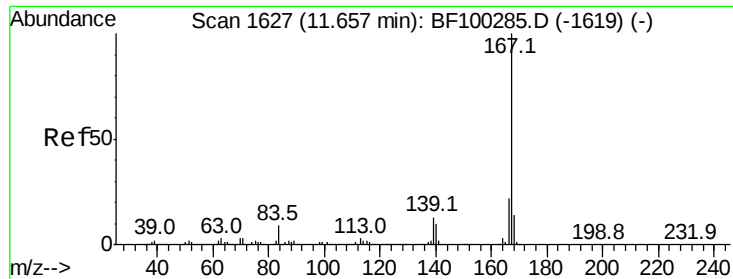


#71
Anthracene
Concen: 16.271 ng
RT: 11.49 min Scan# 1598
Delta R.T. -0.02 min
Lab File: BF100535.D
Acq: 14 Nov 2017 9:53

Tgt Ion	Ratio	Lower	Upper
178	100		
176	18.6	15.4	23.2
179	15.7	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





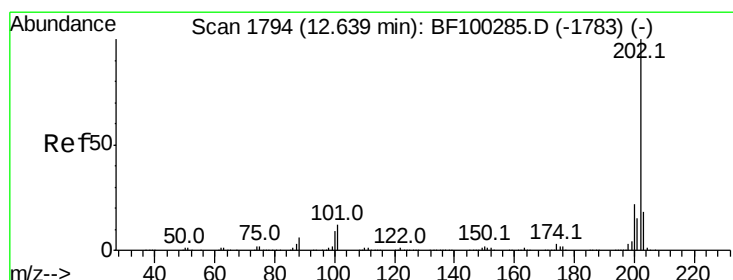
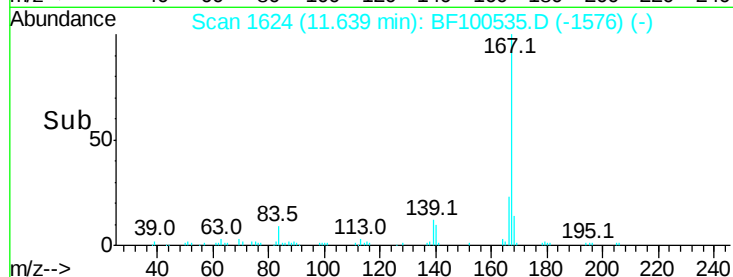
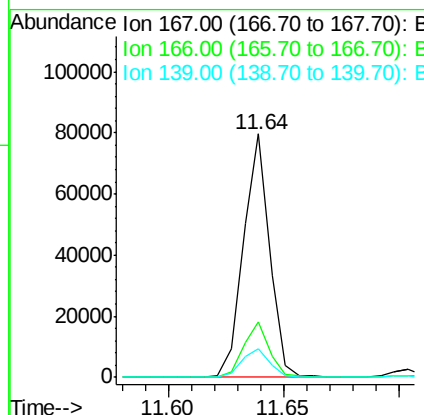
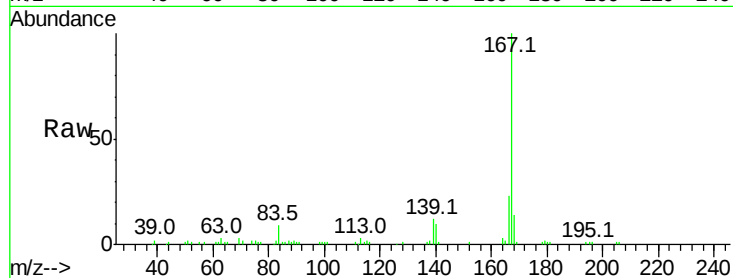
#72
 Carbazole
 Concen: 4.748 ng
 RT: 11.64 min Scan# 1624
 Delta R.T. -0.02 min
 Lab File: BF100535.D
 Acq: 14 Nov 2017 9:53

Instrument :
 BNA_F
 ClientSampleId :
 JC-02-110917-BDL

Tot Ion	Ratio	Lower	Upper
167	100		
166	22.6	17.6	26.4
139	11.9	10.9	16.3

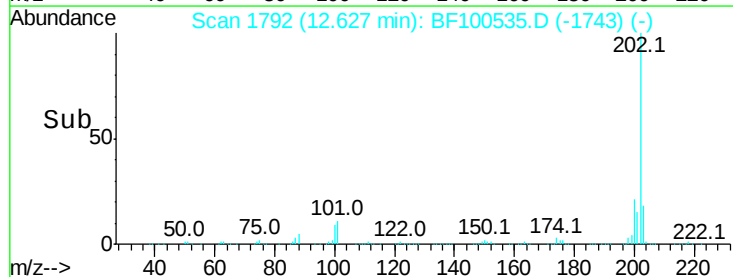
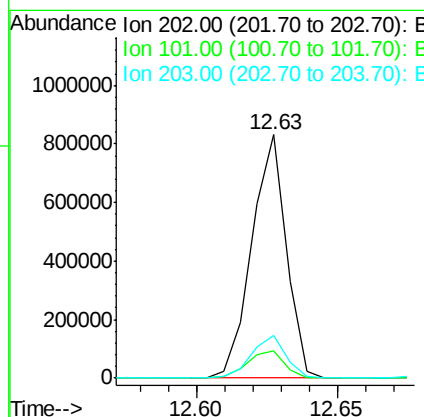
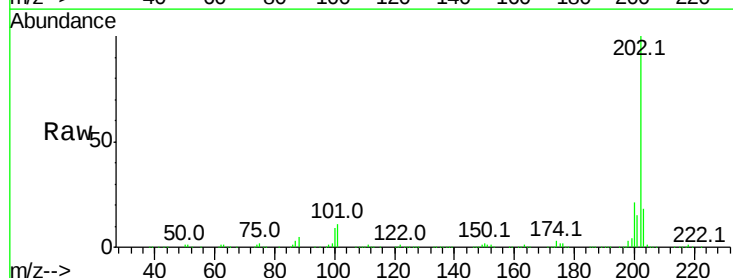
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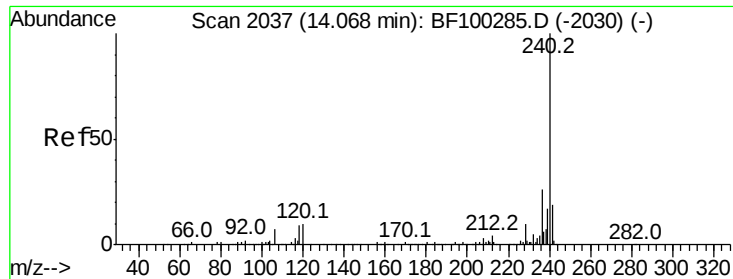
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#74
 Fluoranthene
 Concen: 47.049 ng
 RT: 12.63 min Scan# 1792
 Delta R.T. -0.01 min
 Lab File: BF100535.D
 Acq: 14 Nov 2017 9:53

Tgt Ion	Ratio	Lower	Upper
202	100		
101	11.5	0.0	34.1
203	17.6	0.0	38.1





#75

Chrysene-d12

Concen: 20.000 ng

RT: 14.05 min Scan# 2034

Delta R.T. -0.02 min

Lab File: BF100535.D

Acq: 14 Nov 2017 9:53

Instrument :

BNA_F

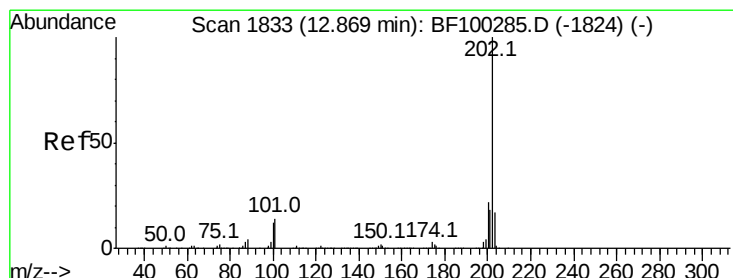
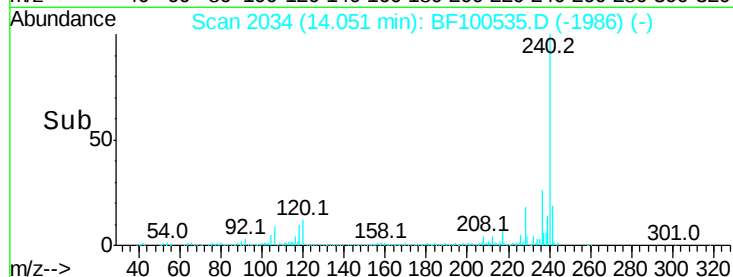
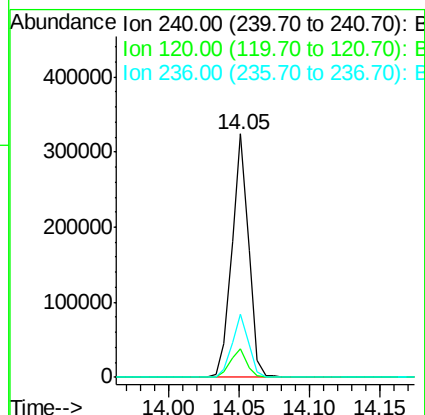
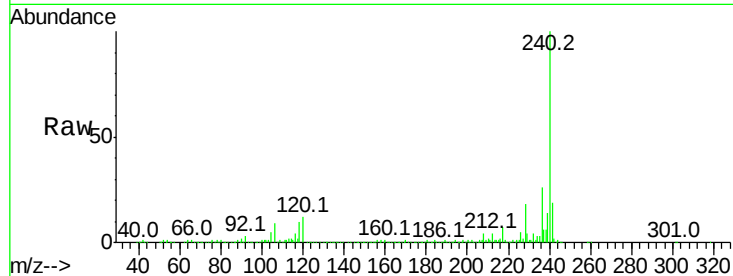
ClientSampleId :

JC-02-110917-BDL

Tot Ion	Ratio	Resp	Lower	Upper
240	100			
120	11.7	9.5	14.3	
236	26.2	20.7	31.1	

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#77

Pyrene

Concen: 30.844 ng

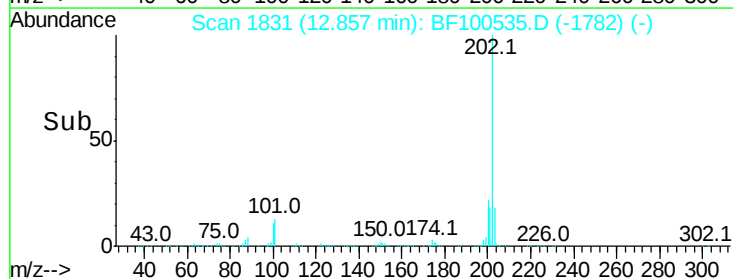
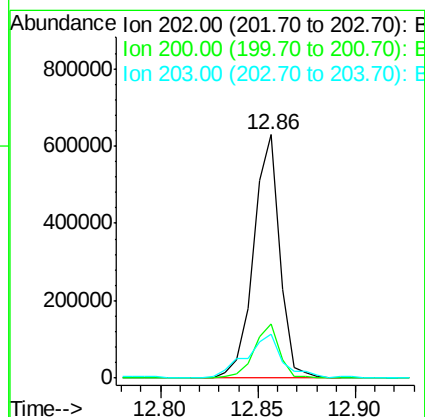
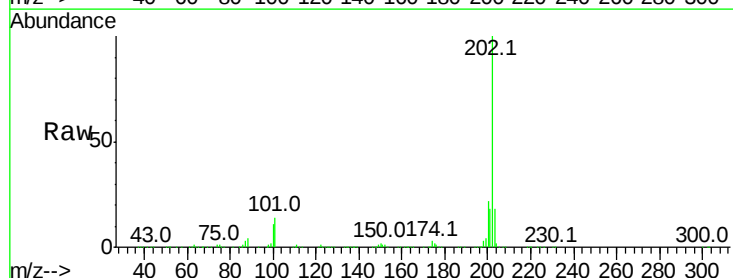
RT: 12.86 min Scan# 1831

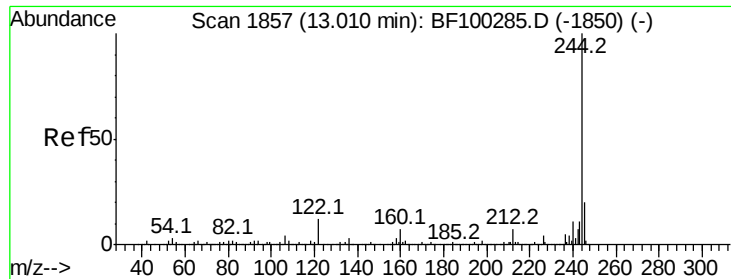
Delta R.T. -0.01 min

Lab File: BF100535.D

Acq: 14 Nov 2017 9:53

Tgt Ion	Ratio	Resp	Lower	Upper
202	100			
200	22.1	17.4	26.2	
203	18.2	14.3	21.5	





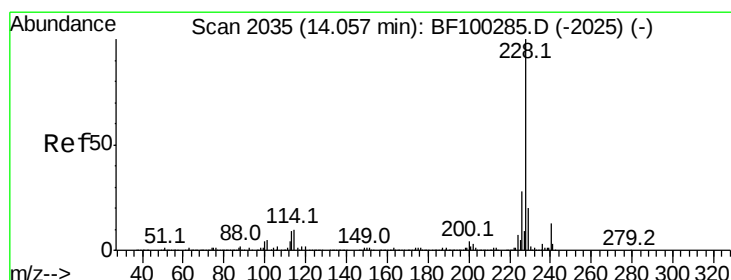
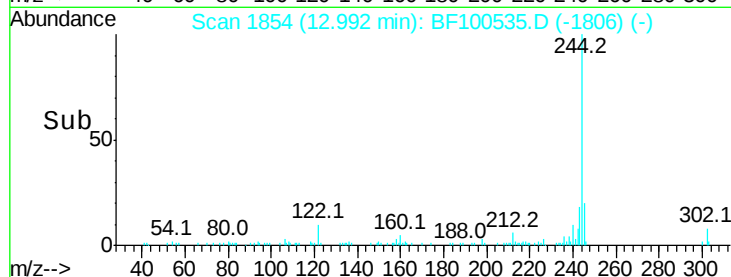
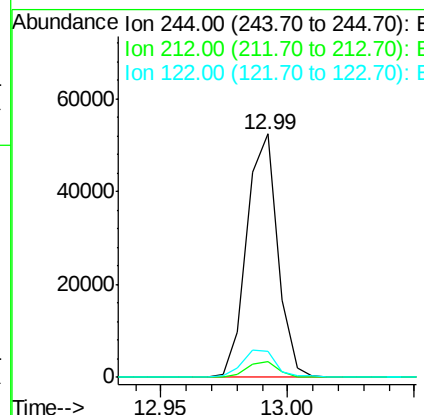
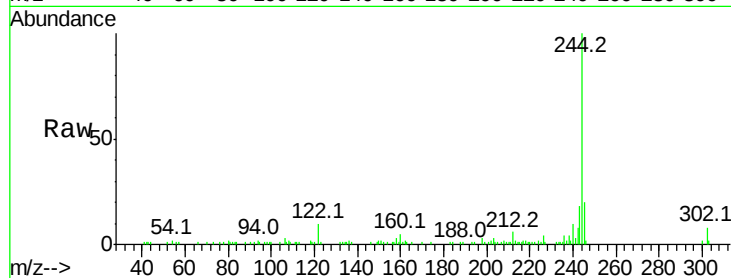
#78
 Terphenyl-d14
 Concen: 3.834 ng
 RT: 12.99 min Scan# 1854
 Delta R.T. -0.02 min
 Lab File: BF100535.D
 Acq: 14 Nov 2017 9:53

Instrument :
 BNA_F
 ClientSampled :
 JC-02-110917-BDL

Tot Ion	Ratio	Lower	Upper
244	100		
212	6.4	5.4	8.0
122	10.5	11.0	16.4

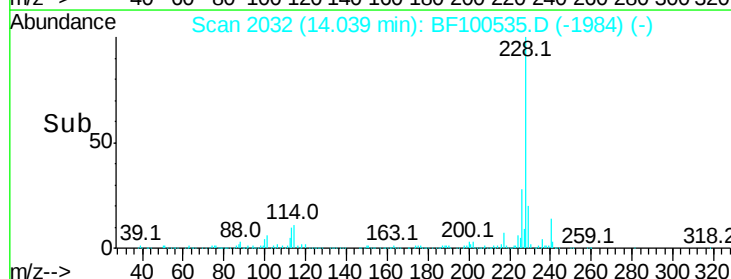
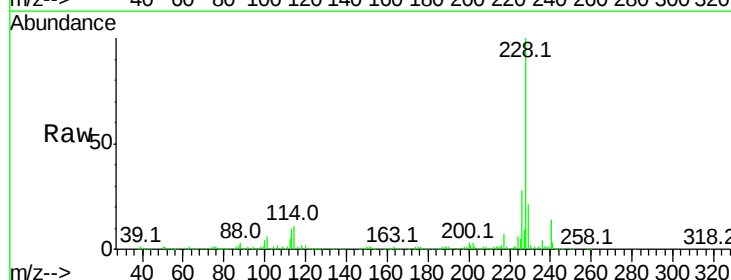
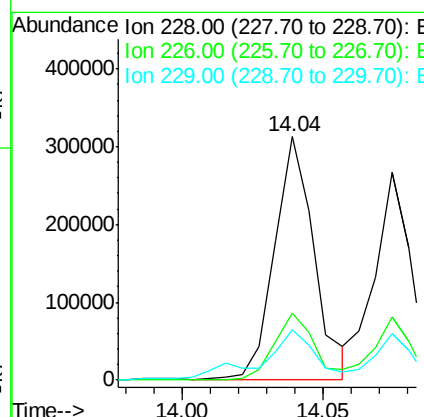
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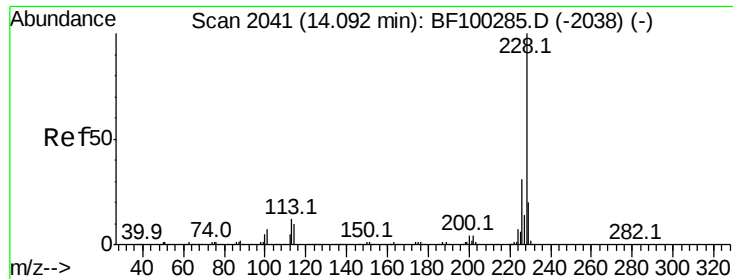
SOHIL
 11/14/2017 5:20:50 PM



#80
 Benzo(a)anthracene
 Concen: 18.989 ng
 RT: 14.04 min Scan# 2032
 Delta R.T. -0.02 min
 Lab File: BF100535.D
 Acq: 14 Nov 2017 9:53

Tgt Ion	Ratio	Lower	Upper
228	100		
226	27.7	22.6	33.8
229	20.6	15.8	23.6





#82

Chrysene

Concen: 15.178 ng

RT: 14.07 min Scan# 2038

Delta R.T. -0.02 min

Lab File: BF100535.D

Acq: 14 Nov 2017 9:53

Instrument :

BNA_F

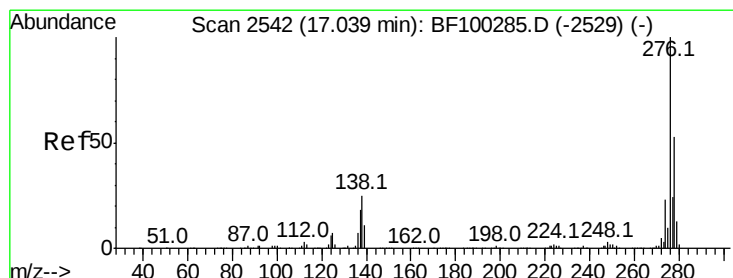
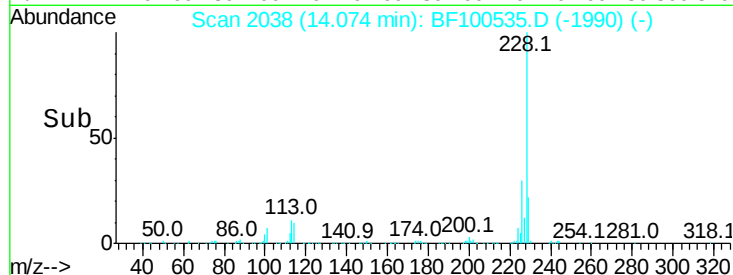
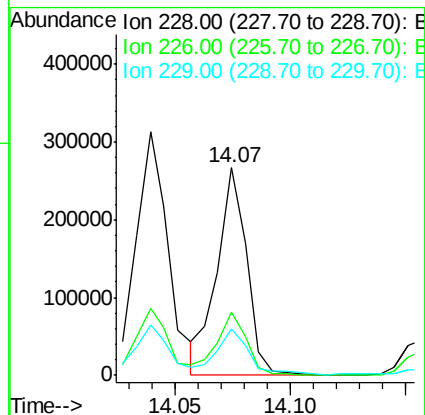
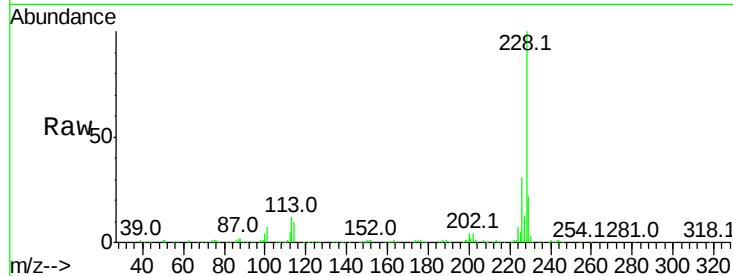
ClientSampleId :

JC-02-110917-BDL

Tot Ion:	228	Resp:	236171
Ion Ratio	Lower	Upper	
228	100		
226	30.6	25.0	37.6
229	22.4	16.2	24.4

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#85

Indeno(1,2,3-cd)pyrene

Concen: 5.457 ng

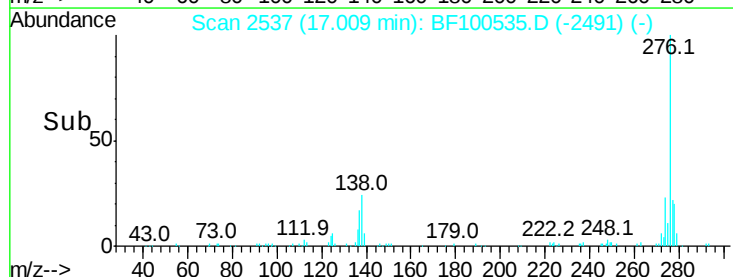
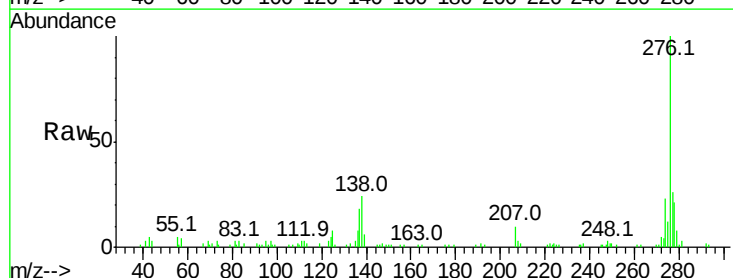
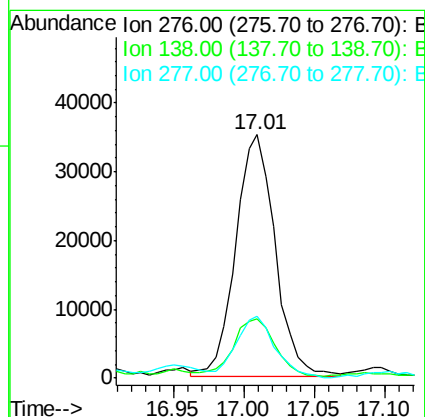
RT: 17.01 min Scan# 2537

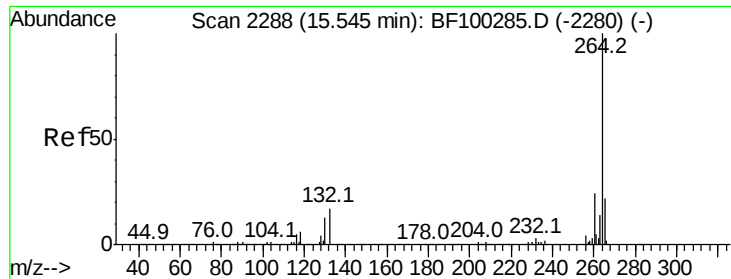
Delta R.T. -0.03 min

Lab File: BF100535.D

Acq: 14 Nov 2017 9:53

Tgt Ion:	276	Resp:	68685
Ion Ratio	Lower	Upper	
276	100		
138	24.7	25.0	37.6#
277	25.1	20.1	30.1





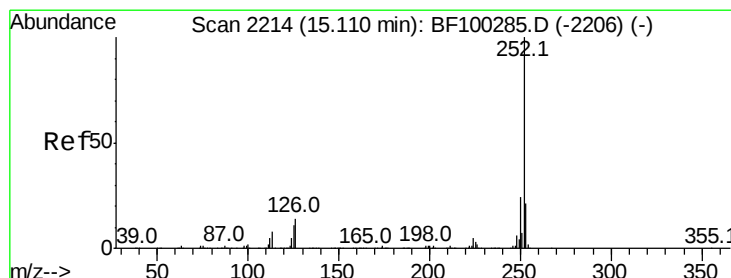
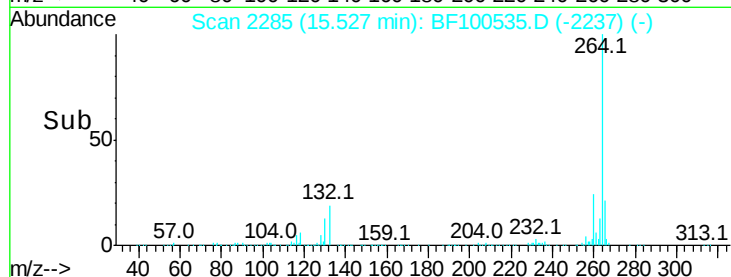
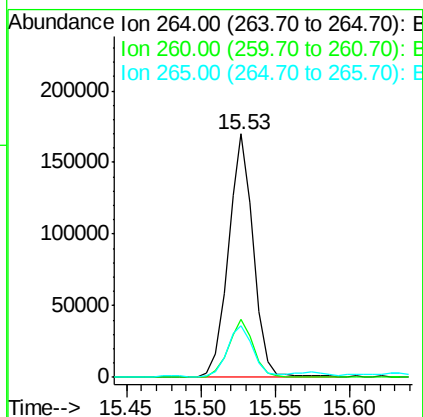
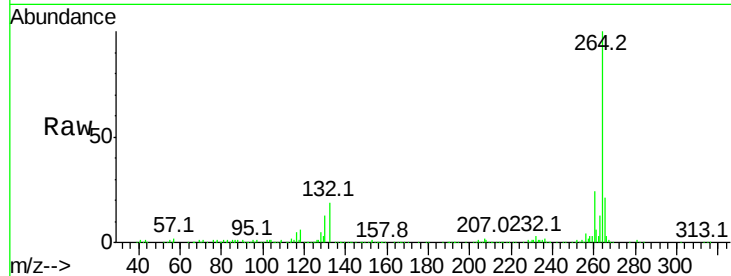
#86
Pervlene-d12
Concen: 20.000 ng
RT: 15.53 min Scan# 2285
Delta R.T. -0.02 min
Lab File: BF100535.D
Acq: 14 Nov 2017 9:53

Instrument :
BNA_F
ClientSampleId :
JC-02-110917-BDL

Tot Ion	Ratio	Lower	Upper
264	100		
260	23.9	19.2	28.8
265	21.4	17.5	26.3

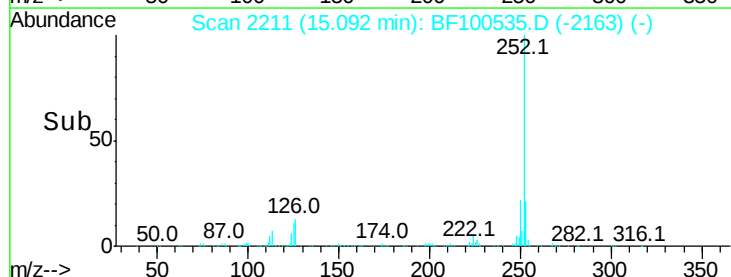
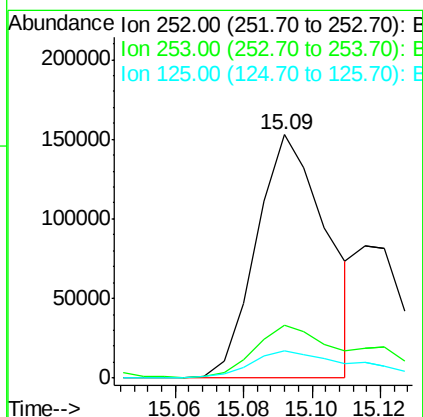
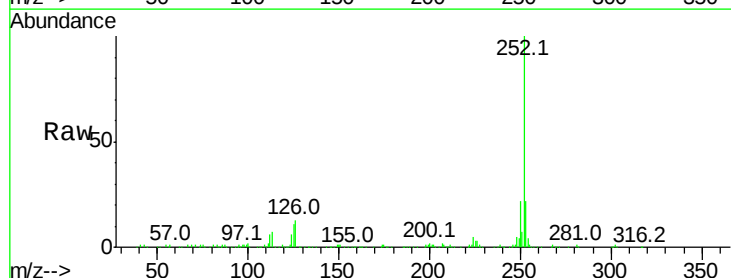
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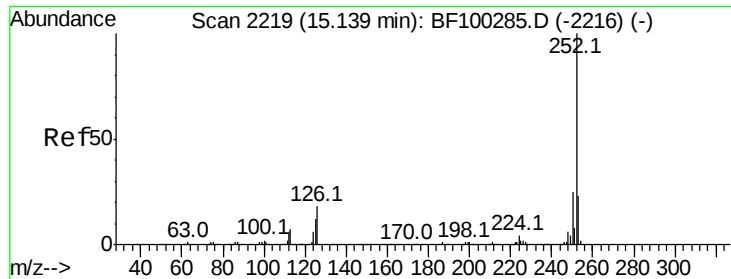
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#87
Benzo(b)fluoranthene
Concen: 18.587 ng m
RT: 15.09 min Scan# 2211
Delta R.T. -0.02 min
Lab File: BF100535.D
Acq: 14 Nov 2017 9:53

Tgt Ion	Ratio	Lower	Upper
252	100		
253	21.5	17.0	25.6
125	11.3	9.0	13.6





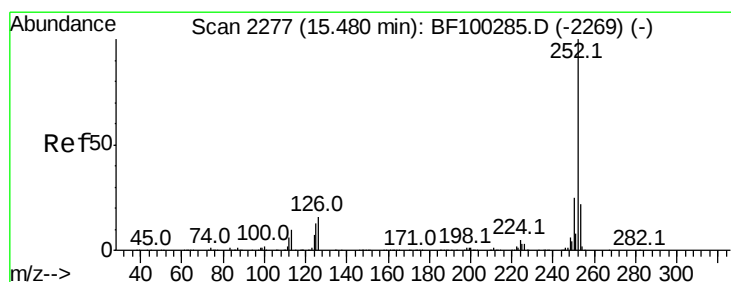
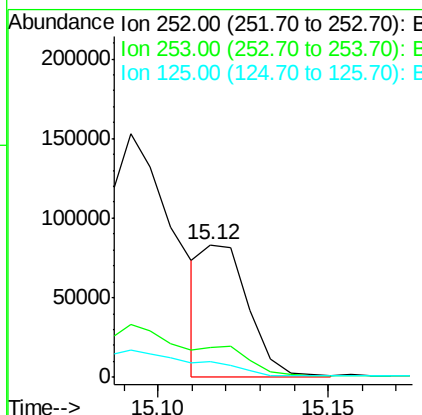
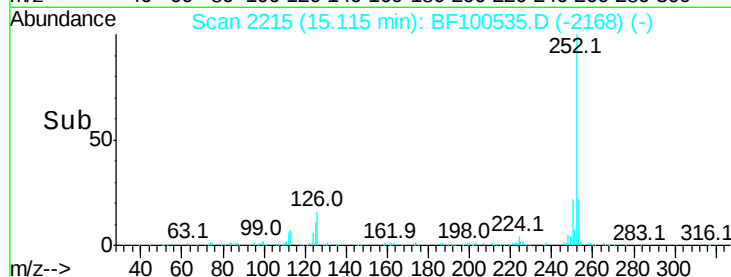
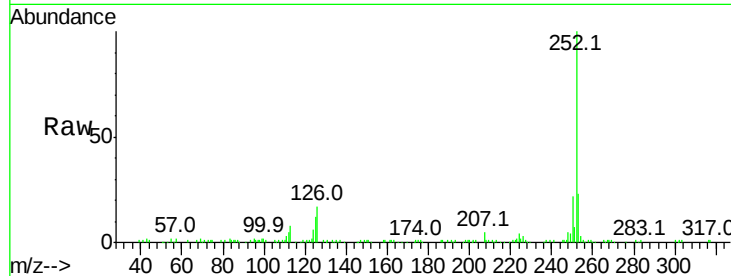
#88
Benzo(k)fluoranthene
Concen: 7.105 ng m
RT: 15.12 min Scan# 2215
Delta R.T. -0.02 min
Lab File: BF100535.D
Acq: 14 Nov 2017 9:53

Instrument :
BNA_F
ClientSampleId :
JC-02-110917-BDL

Tot Ion	Ratio	Lower	Upper
252	100		
253	22.6	17.9	26.9
125	12.0	10.2	15.2

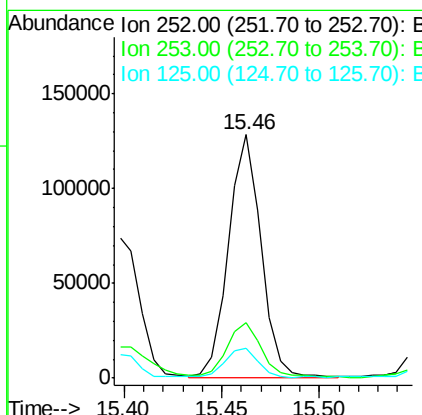
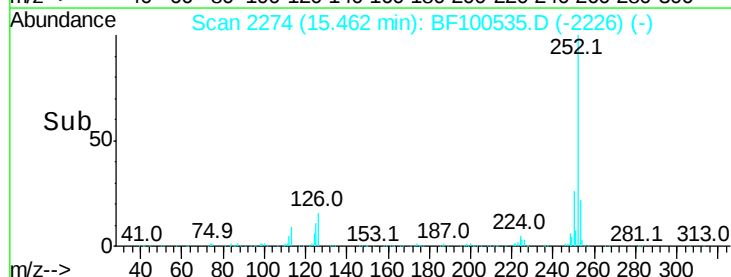
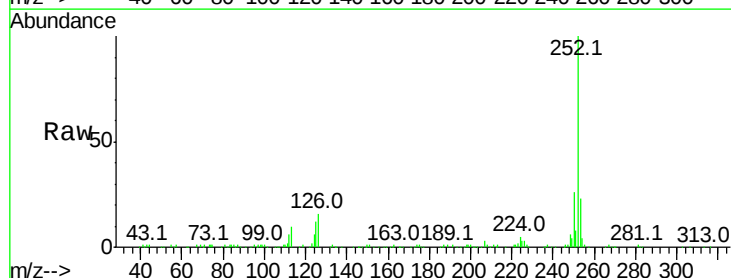
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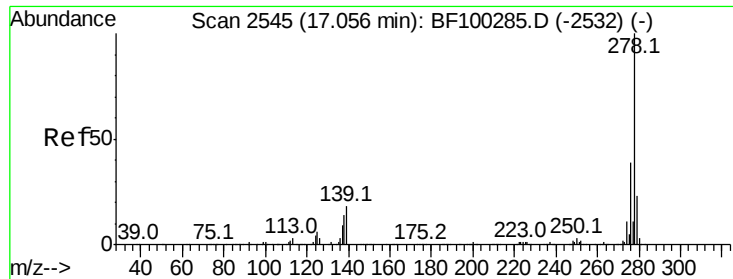
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#89
Benzo(a)pyrene
Concen: 14.249 ng
RT: 15.46 min Scan# 2274
Delta R.T. -0.02 min
Lab File: BF100535.D
Acq: 14 Nov 2017 9:53

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.0	17.1	25.7
125	12.0	9.8	14.6





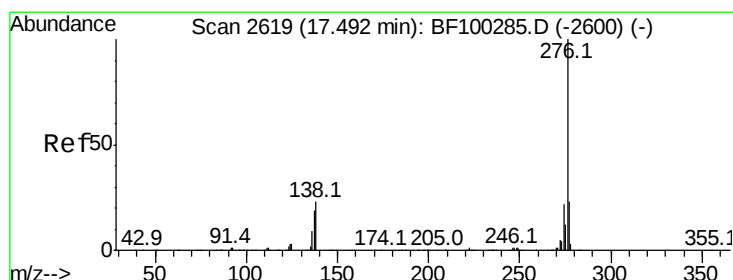
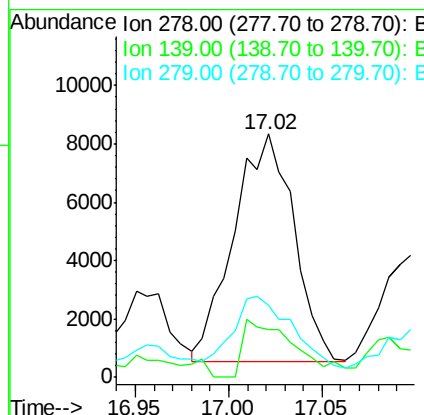
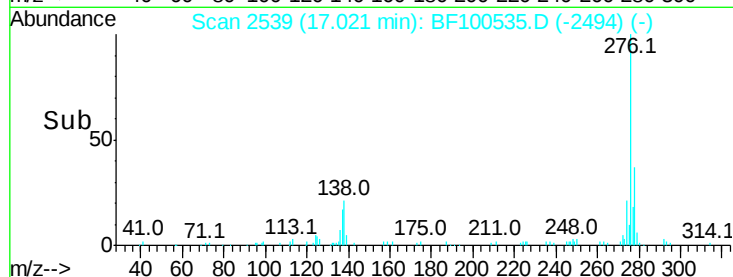
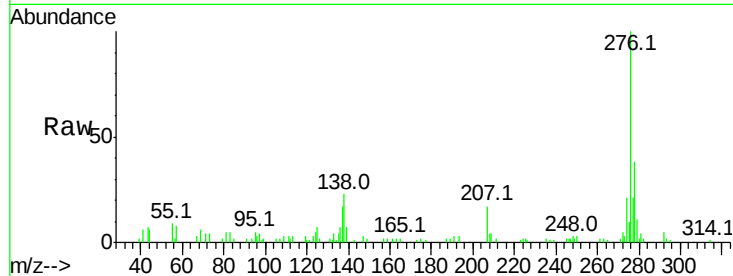
#90
 Dibenzo(a,h)anthracene
 Concen: 2.036 ng m
 RT: 17.02 min Scan# 2539
 Delta R.T. -0.04 min
 Lab File: BF100535.D
 Acq: 14 Nov 2017 9:53

Instrument :
 BNA_F
 ClientSampleId :
 JC-02-110917-BDL

Tot Ion	Ratio	Lower	Upper
278	100		
139	19.5	15.9	23.9
279	29.8	19.0	28.4

Manual Integrations
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 11/14/2017 5:20:50 PM



#91
 Benzo(g,h,i)perylene
 Concen: 7.489 ng
 RT: 17.46 min Scan# 2614
 Delta R.T. -0.03 min
 Lab File: BF100535.D
 Acq: 14 Nov 2017 9:53

Tgt Ion	Ratio	Lower	Upper
276	100		
277	23.8	17.9	26.9
138	22.0	21.8	32.8

