

Data Path : Z:\HPCHEM1\BNA F\DATA\BF112917\
 Data File : BF100991.D
 Acq On : 29 Nov 2017 21:11
 Operator : SJ/JU
 Sample : I6610-15
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SB-X(0-2)-20171127

Manual Integrations
 APPROVED

Sohil
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Quant Time: Nov 30 07:09:29 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF110817.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Nov 28 15:21:02 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.85	152	63207	20.00	ng	0.00
21) Naphthalene-d8	8.13	136	236562	20.00	ng	0.00
38) Acenaphthene-d10	9.89	164	95186	20.00	ng	0.00
63) Phenanthrene-d10	11.38	188	158210	20.00	ng	0.00
75) Chrysene-d12	14.03	240	129357	20.00	ng	0.00
86) Perylene-d12	15.50	264	99497	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.47	112	381952	96.87	ng	0.00
7) Phenol-d6	6.49	99	461897	94.99	ng	0.00
23) Nitrobenzene-d5	7.42	82	274961	76.84	ng	0.00
41) 2,4,6-Tribromophenol	10.68	330	97200	100.21	ng	0.00
44) 2-Fluorobiphenyl	9.21	172	482137	77.13	ng	0.00
78) Terphenyl-d14	12.96	244	371427	65.97	ng	0.00
Target Compounds						
10) Phenol	6.50	94	16199	3.174	ng	Qvalue 95
48) Acenaphthylene	9.75	152	26581	2.686	ng	96
49) Dimethylphthalate	9.60	163	55590	7.649	ng	# 98
51) Acenaphthene	9.92	154	26912	4.471	ng	98
57) Fluorene	10.44	166	31400	5.080	ng	98
70) Phenanthrene	11.41	178	440783	52.915	ng	98
71) Anthracene	11.46	178	113316	13.408	ng	98
72) Carbazole	11.61	167	33545	4.302	ng	97
74) Fluoranthene	12.60	202	704844	79.840	ng	95
77) Pyrene	12.83	202	635534	68.922	ng	100
80) Benzo(a)anthracene	14.02	228	337048	43.268	ng	98
82) Chrysene	14.06	228	294255	39.008	ng	98
83) Bis(2-ethylhexyl)phthalate	14.00	149	527374	106.628	ng	99
85) Indeno(1,2,3-cd)pyrene	16.98	276	113398	18.585	ng	# 89
87) Benzo(b)fluoranthene	15.07	252	284540m	48.271	ng	
88) Benzo(k)fluoranthene	15.10	252	114926m	20.634	ng	
89) Benzo(a)pyrene	15.44	252	200418	38.351	ng	97
90) Dibenzo(a,h)anthracene	16.99	278	33084m	7.741	ng	
91) Benzo(a,h,i)perylene	17.43	276	107545	25.707	ng	# 92

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

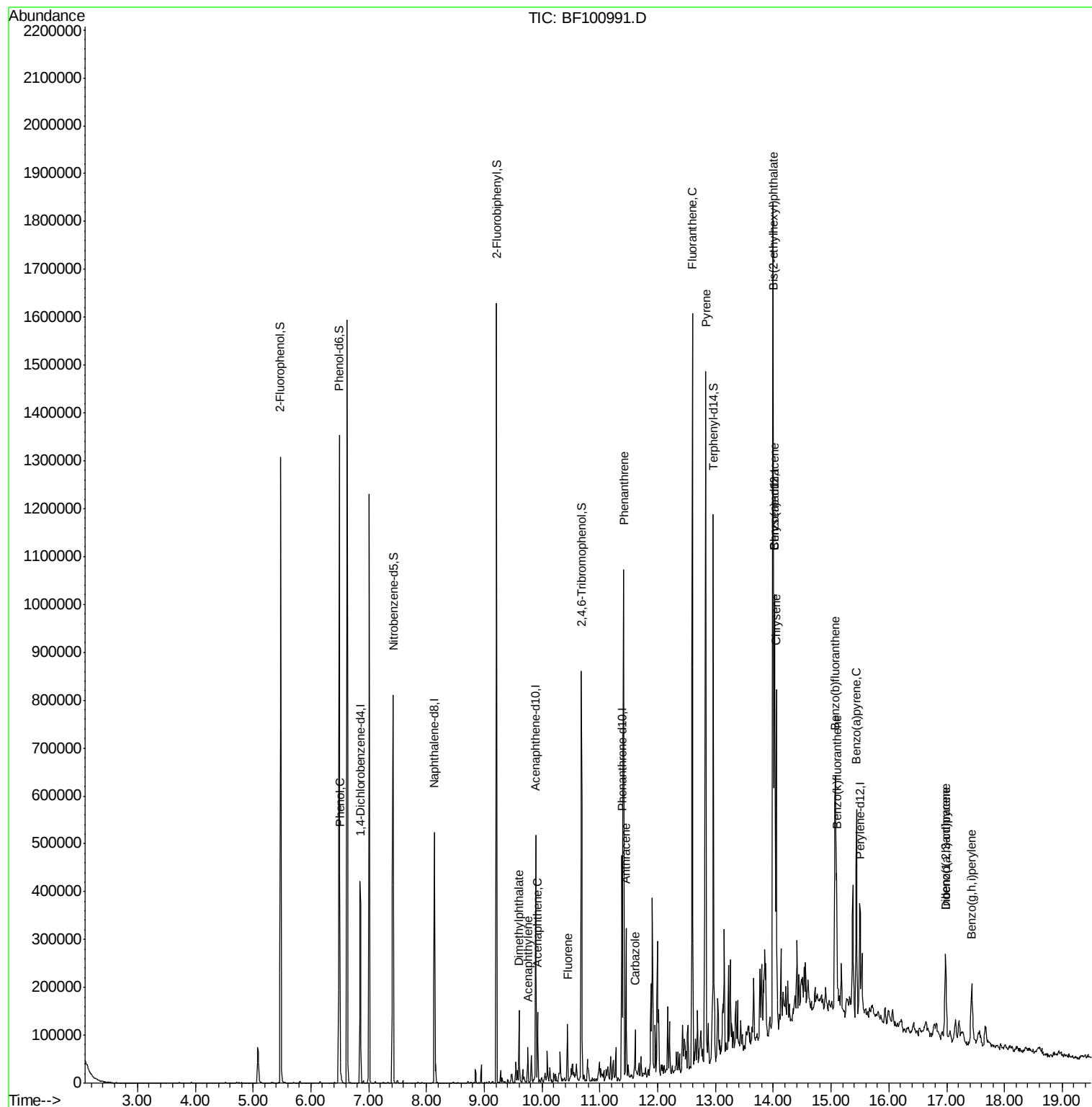
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#1

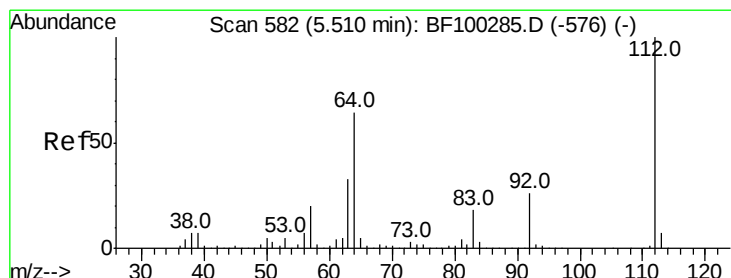
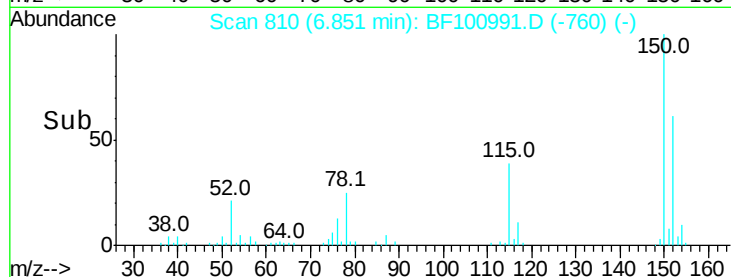
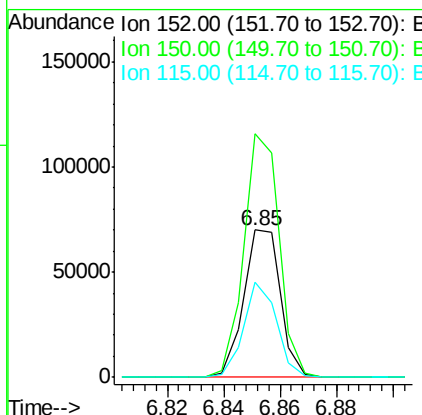
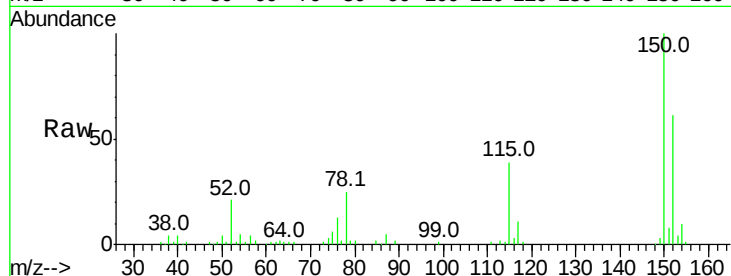
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.85 min Scan# 810
Delta R.T. -0.01 min
Lab File: BF100991.D
Acq: 29 Nov 2017 21:11

Instrument :
BNA_F
ClientSampleId :
SB-X(0-2)-20171127

Tot Ion	Ratio	Lower	Upper
152	100		
150	165.2	124.6	186.8
115	64.3	50.1	75.1

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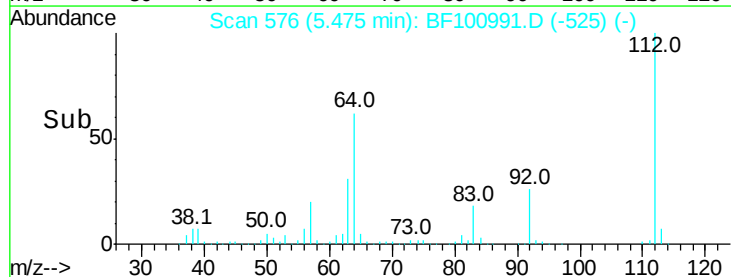
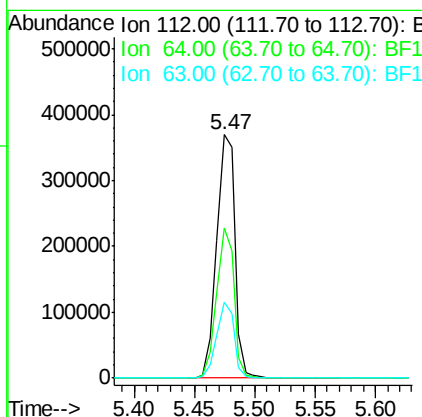
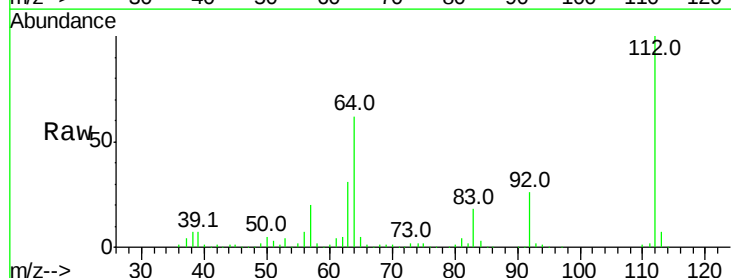
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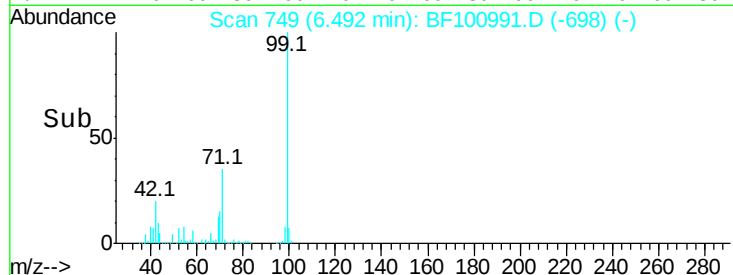
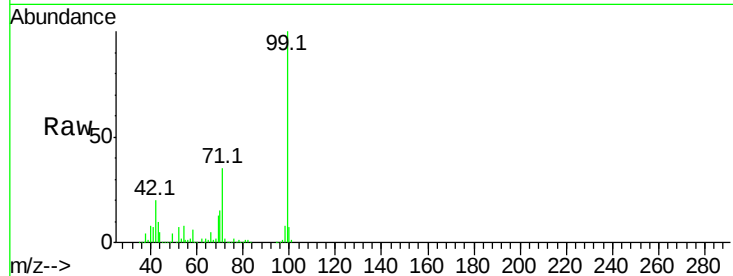
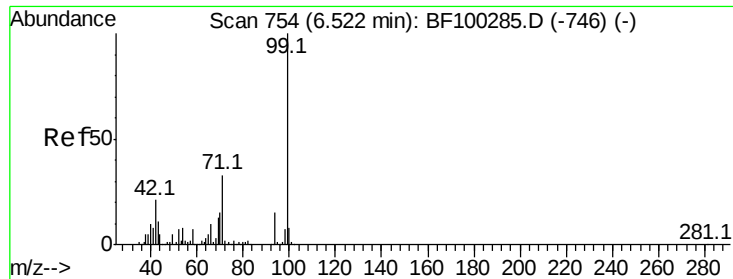


#5

2-Fluorophenol
Concen: 96.867 ng
RT: 5.47 min Scan# 576
Delta R.T. -0.00 min
Lab File: BF100991.D
Acq: 29 Nov 2017 21:11

Tgt Ion	Ratio	Lower	Upper
112	100		
64	61.5	47.9	71.9
63	31.3	23.7	35.5





#7

Phenol-d6

Concen: 94.995 ng

RT: 6.49 min Scan# 749

Delta R.T. -0.00 min

Lab File: BF100991.D

Acq: 29 Nov 2017 21:11

Tot Ion	99	Resp	461897
Ion	Ratio	Lower	Upper
99	100		
42	20.4	14.5	21.7
71	34.7	25.4	38.0

Instrument :

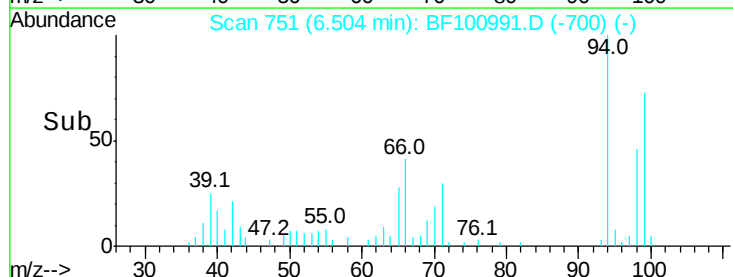
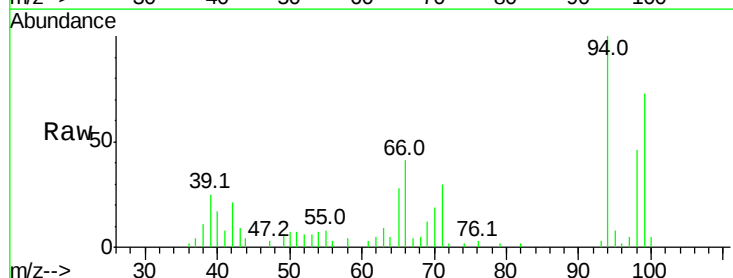
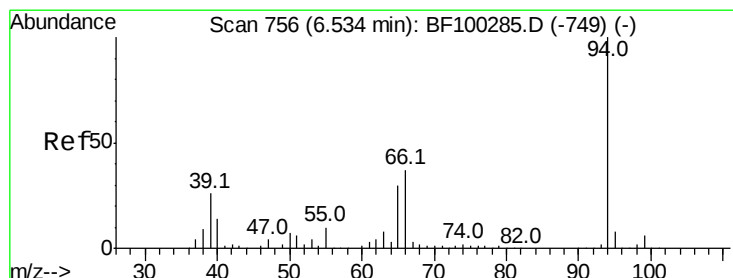
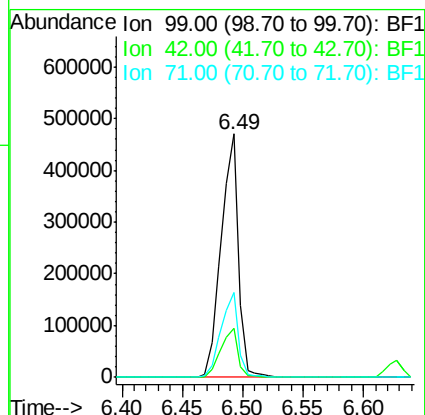
BNA_F

ClientSampleId :

SB-X(0-2)-20171127

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#10

Phenol

Concen: 3.174 ng

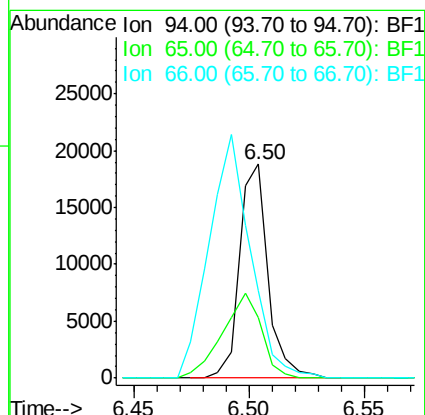
RT: 6.50 min Scan# 751

Delta R.T. -0.00 min

Lab File: BF100991.D

Acq: 29 Nov 2017 21:11

Tgt Ion	94	Resp	16199
Ion	Ratio	Lower	Upper
94	100		
65	28.2	7.9	47.9
66	41.2	16.2	56.2





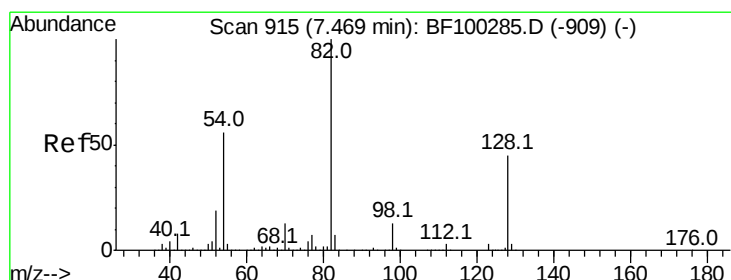
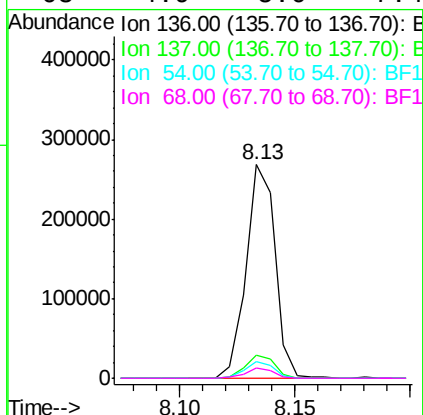
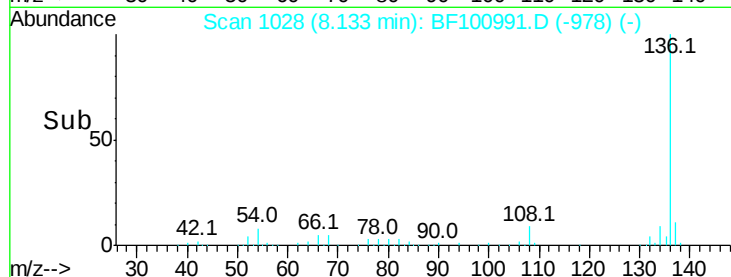
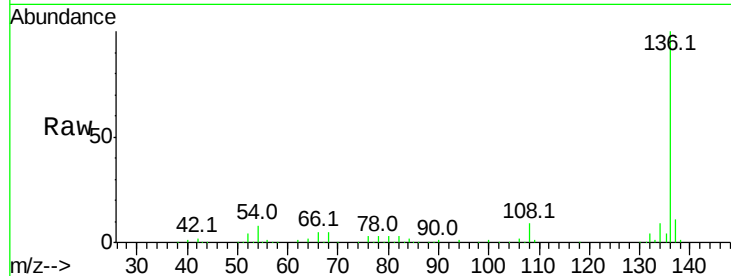
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.13 min Scan# 1028
Delta R.T. -0.01 min
Lab File: BF100991.D
Acq: 29 Nov 2017 21:11

Instrument :
BNA_F
ClientSampleId :
SB-X(0-2)-20171127

Tot Ion	Ratio	Resp	Lower	Upper
136	100			
137	10.8	8.9	13.3	
54	7.9	6.6	9.8	
68	4.9	5.0	7.4	

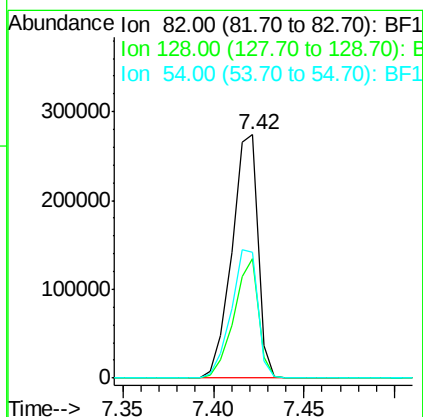
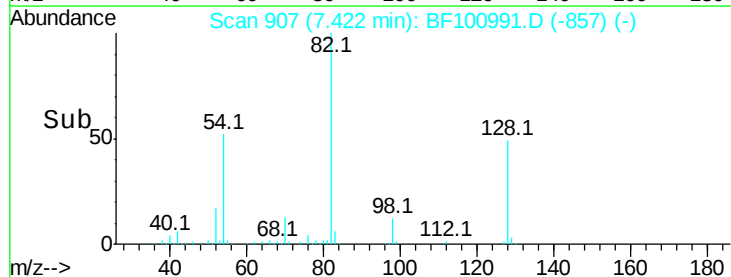
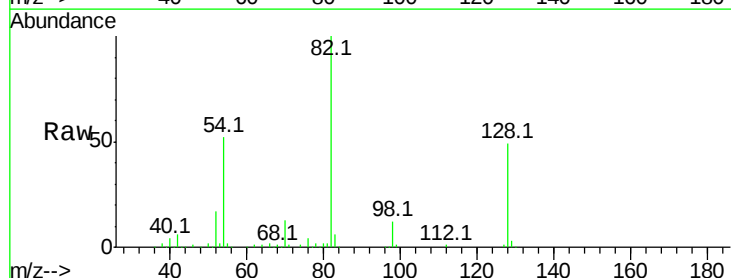
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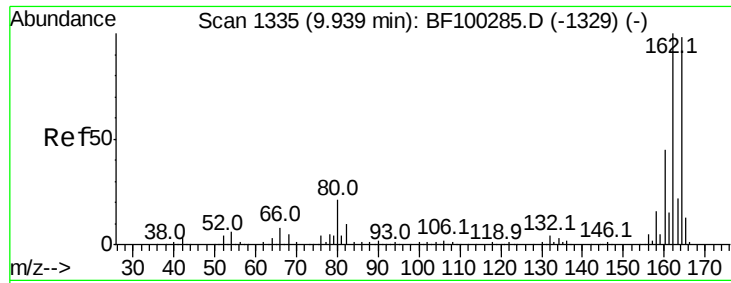
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#23
Nitrobenzene-d5
Concen: 76.845 ng
RT: 7.42 min Scan# 907
Delta R.T. -0.01 min
Lab File: BF100991.D
Acq: 29 Nov 2017 21:11

Tgt Ion	Ratio	Resp	Lower	Upper
82	100			
128	48.8	36.1	54.1	
54	51.7	41.4	62.2	





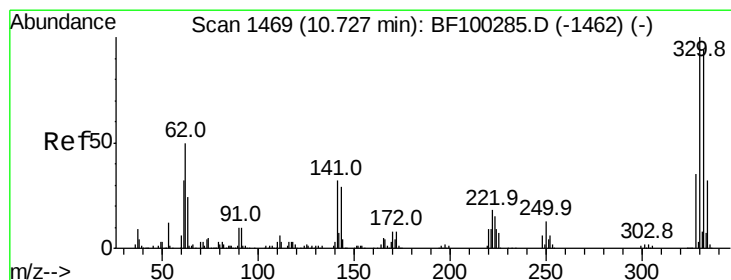
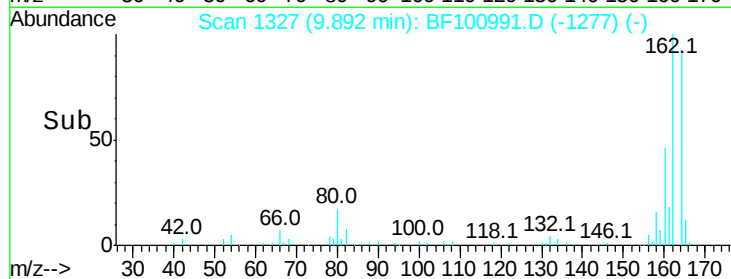
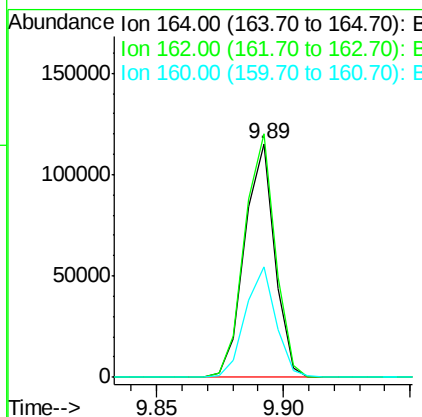
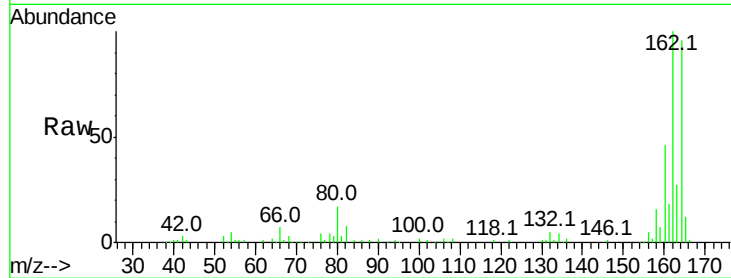
#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.89 min Scan# 1327
Delta R.T. -0.01 min
Lab File: BF100991.D
Acq: 29 Nov 2017 21:11

Instrument :
BNA_F
ClientSampleId :
SB-X(0-2)-20171127

Tot Ion	Ratio	Lower	Upper
164	100		
162	104.3	86.1	129.1
160	47.6	38.3	57.5

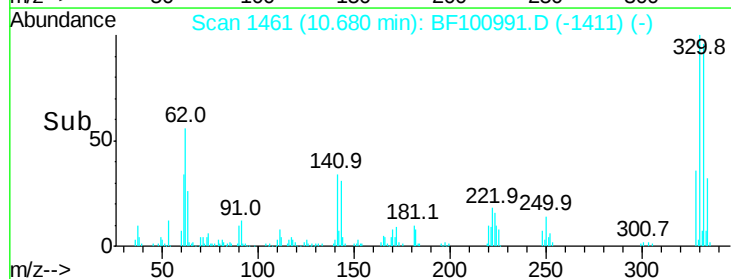
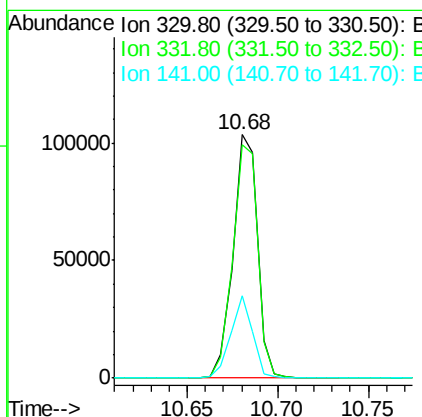
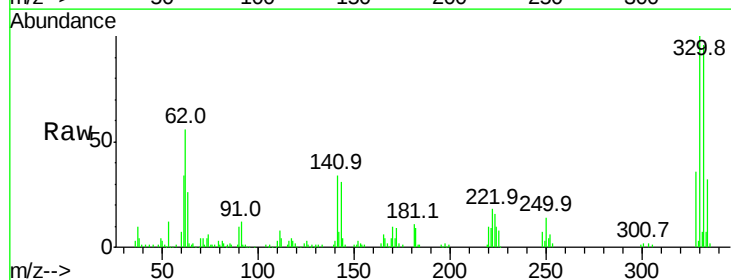
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#41
2,4,6-Tribromophenol
Concen: 100.212 ng
RT: 10.68 min Scan# 1461
Delta R.T. -0.01 min
Lab File: BF100991.D
Acq: 29 Nov 2017 21:11

Tgt Ion	Ratio	Lower	Upper
330	100		
332	98.3	77.0	115.6
141	30.3	29.9	44.9





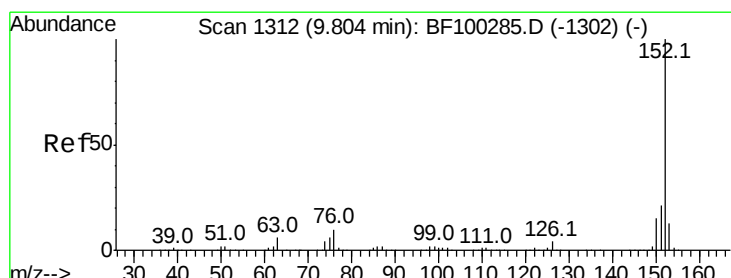
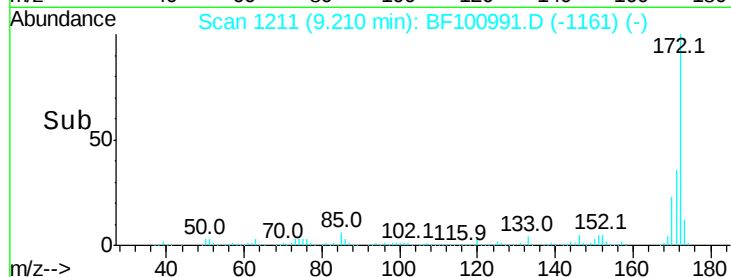
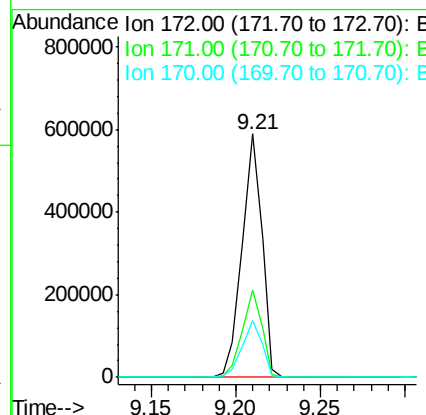
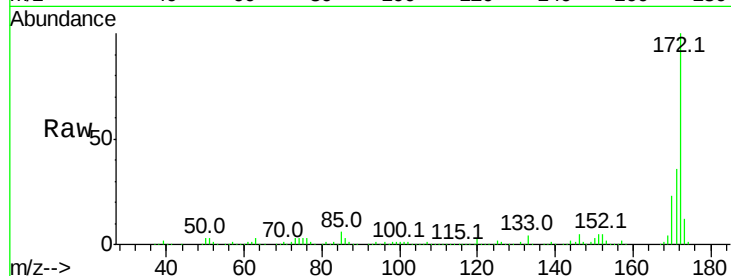
#44
2-Fluorobiphenyl
Concen: 77.129 ng
RT: 9.21 min Scan# 1211
Delta R.T. -0.01 min
Lab File: BF100991.D
Acq: 29 Nov 2017 21:11

Instrument :
BNA_F
ClientSampleId :
SB-X(0-2)-20171127

Tot Ion	Ratio	Resp	Lower	Upper
172	100	482137		
171	35.7		29.7	44.5
170	23.3		19.6	29.4

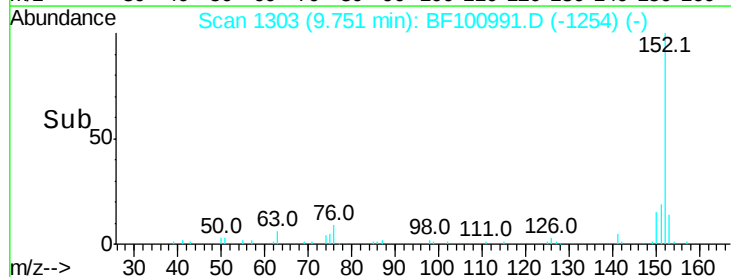
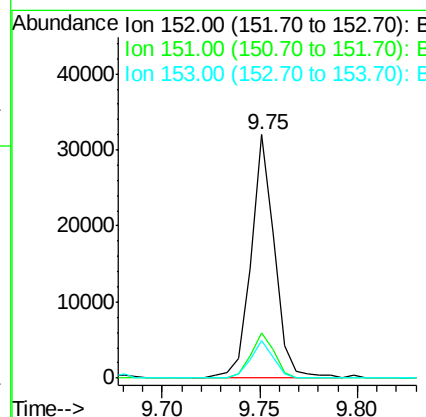
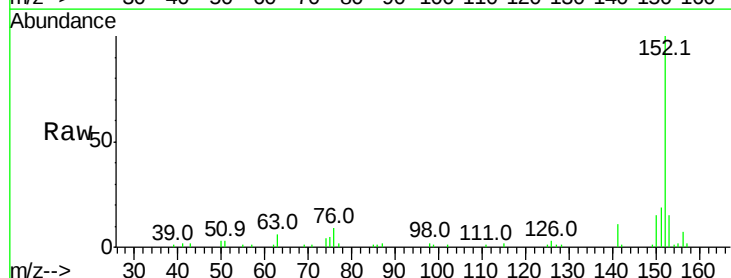
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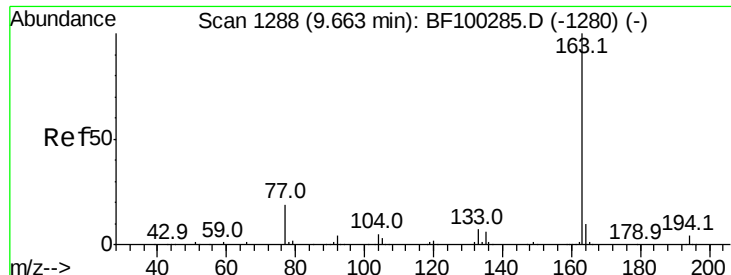
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#48
Acenaphthylene
Concen: 2.686 ng
RT: 9.75 min Scan# 1303
Delta R.T. -0.01 min
Lab File: BF100991.D
Acq: 29 Nov 2017 21:11

Tgt Ion	Ratio	Resp	Lower	Upper
152	100	26581		
151	18.8		16.3	24.5
153	15.4		10.7	16.1





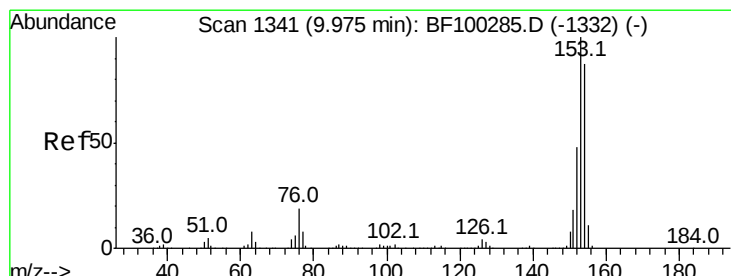
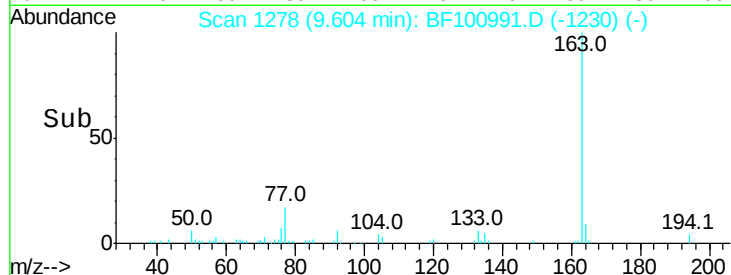
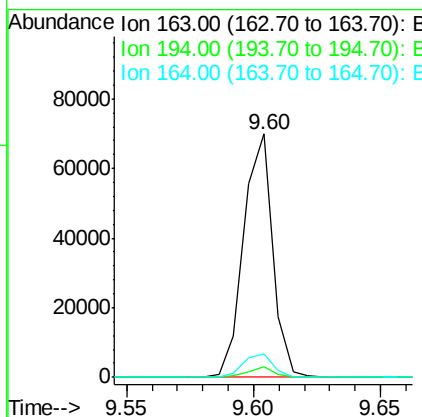
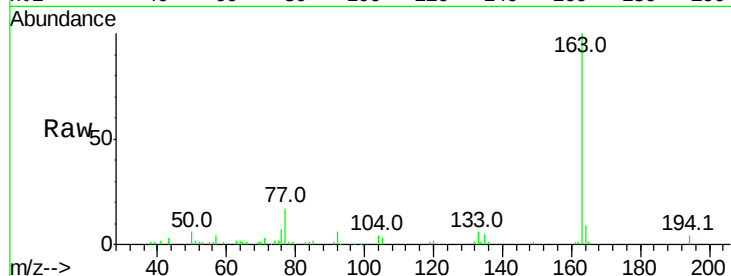
#49
Dimethylphthalate
Concen: 7.649 ng
RT: 9.60 min Scan# 1278
Delta R.T. -0.02 min
Lab File: BF100991.D
Acq: 29 Nov 2017 21:11

Instrument :
BNA_F
ClientSampleId :
SB-X(0-2)-20171127

Tot Ion	Ratio	Resp	Lower	Upper
163	100	55590		
194	4.2		2.7	4.1#
164	9.5		8.2	12.2

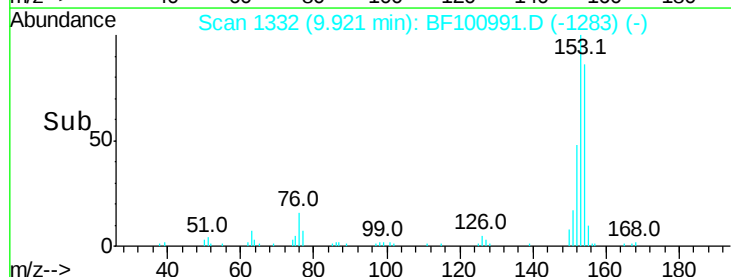
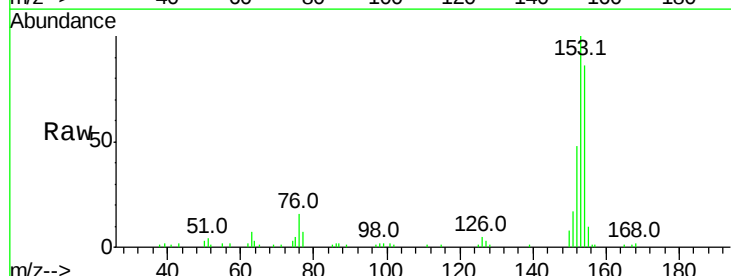
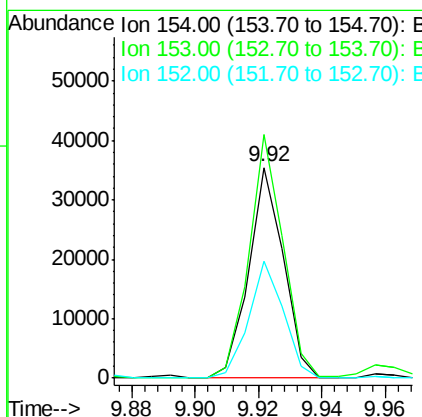
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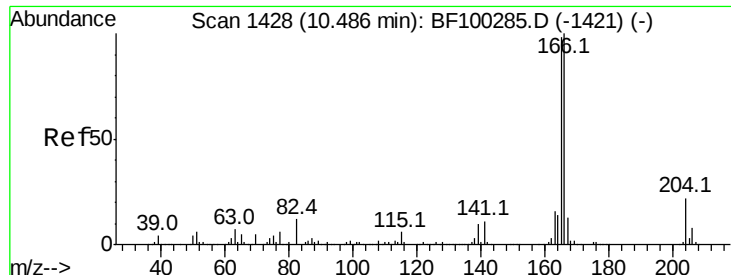
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#51
Acenaphthene
Concen: 4.471 ng
RT: 9.92 min Scan# 1332
Delta R.T. -0.01 min
Lab File: BF100991.D
Acq: 29 Nov 2017 21:11

Tgt Ion	Ratio	Resp	Lower	Upper
154	100	26912		
153	115.7		91.2	136.8
152	55.8		43.8	65.8





#57

Fluorene

Concen: 5.080 ng

RT: 10.44 min Scan# 1420

Delta R.T. -0.01 min

Lab File: BF100991.D

Acq: 29 Nov 2017 21:11

Instrument :

BNA_F

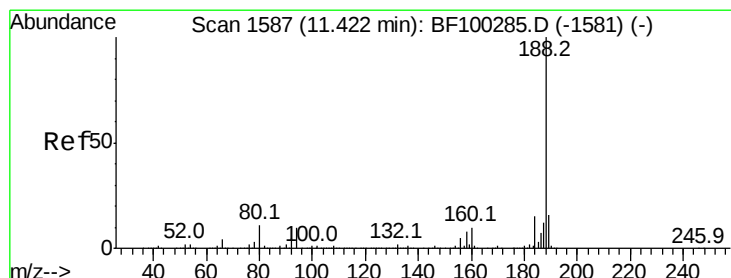
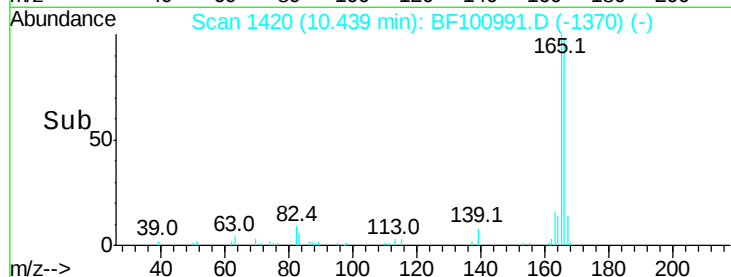
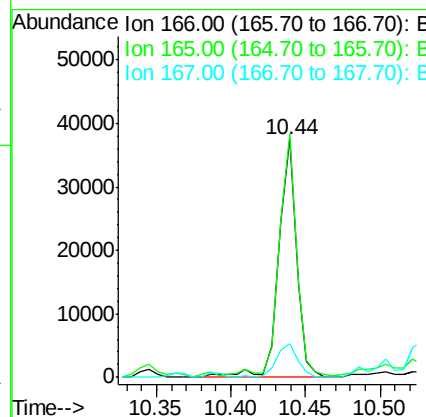
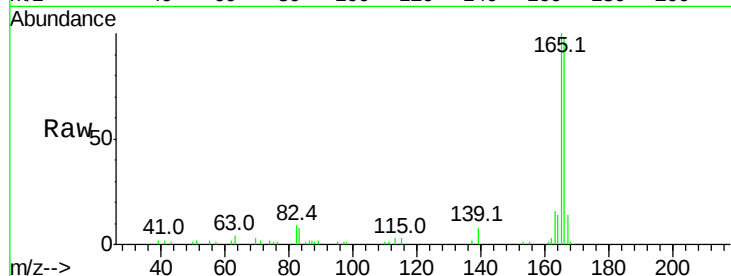
ClientSampleId :

SB-X(0-2)-20171127

Tot Ion	Ratio	Lower	Upper
166	100		
165	102.3	79.8	119.8
167	14.1	10.6	16.0

Manual Integrations
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#63

Phenanthrene-d10

Concen: 20.000 ng

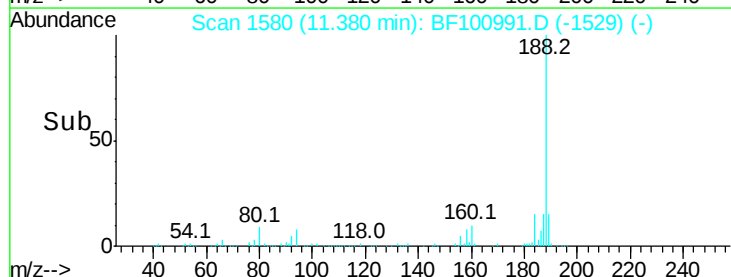
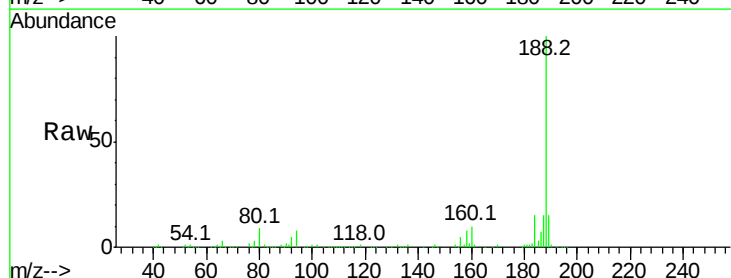
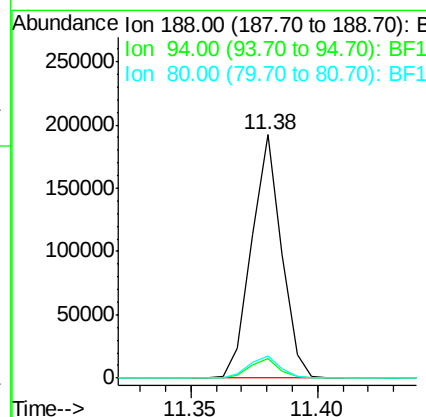
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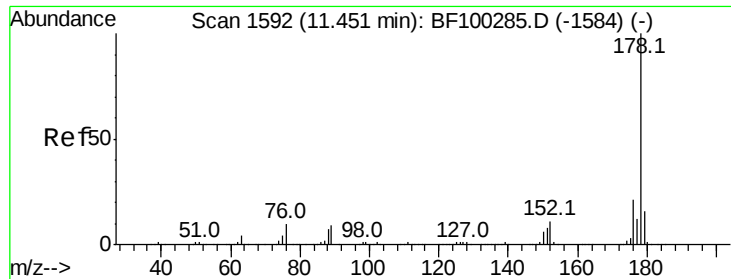
Delta R.T. -0.00 min

Lab File: BF100991.D

Acq: 29 Nov 2017 21:11

Tgt Ion	Ratio	Lower	Upper
188	100		
94	8.2	8.5	12.7#
80	8.9	9.2	13.8#





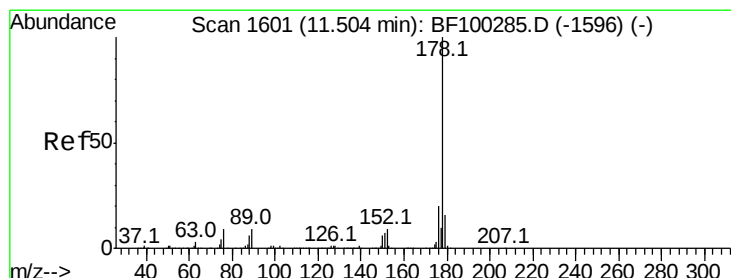
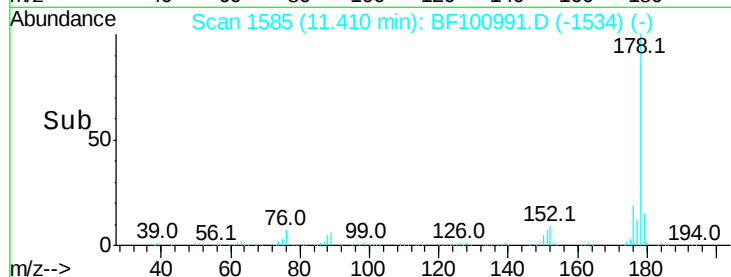
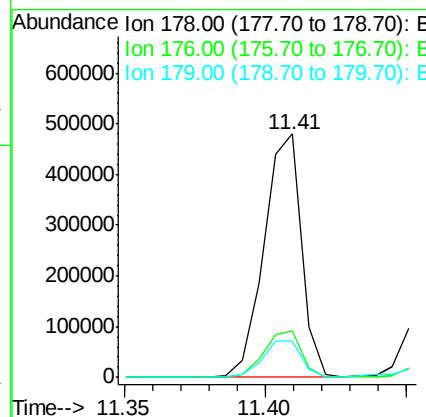
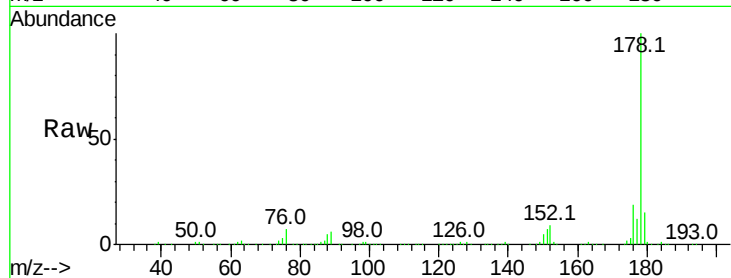
#70
Phenanthrene
Concen: 52.915 ng
RT: 11.41 min Scan# 1585
Delta R.T. -0.00 min
Lab File: BF100991.D
Acq: 29 Nov 2017 21:11

Instrument :
BNA_F
ClientSampleId :
SB-X(0-2)-20171127

Tot Ion	Ratio	Lower	Upper
178	100		
176	19.0	15.8	23.8
179	14.9	13.0	19.6

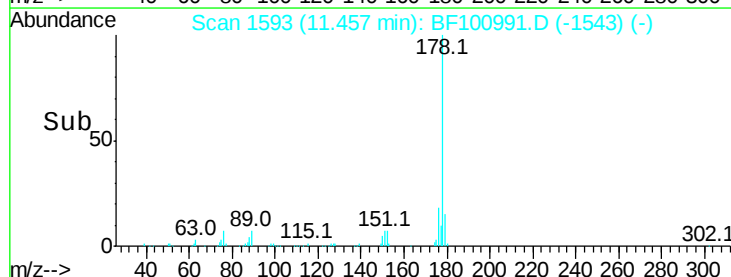
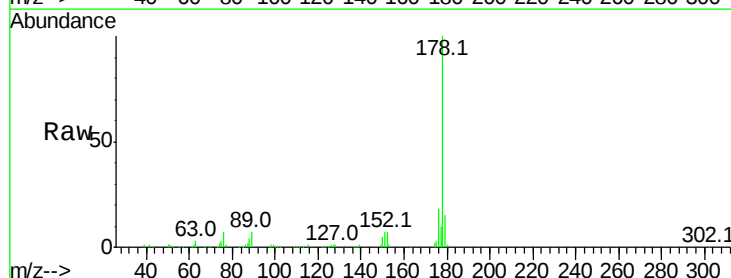
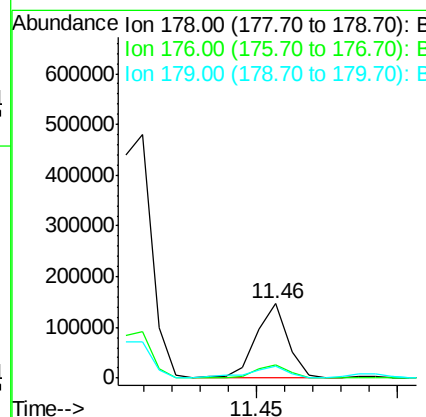
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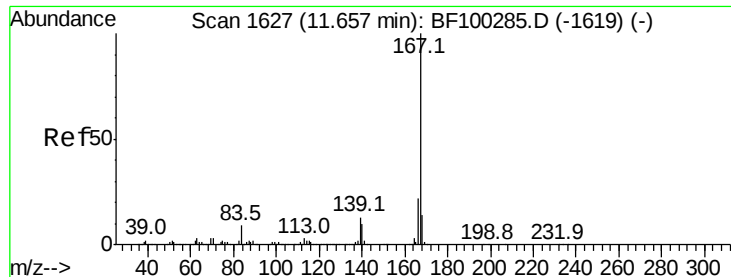
Sohil
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#71
Anthracene
Concen: 13.408 ng
RT: 11.46 min Scan# 1593
Delta R.T. -0.01 min
Lab File: BF100991.D
Acq: 29 Nov 2017 21:11

Tgt Ion	Ratio	Lower	Upper
178	100		
176	18.1	15.4	23.2
179	15.3	12.6	19.0





#72

Carbazole

Concen: 4.302 ng

RT: 11.61 min Scan# 1619

Delta R.T. -0.01 min

Lab File: BF100991.D

Acq: 29 Nov 2017 21:11

Instrument :

BNA_F

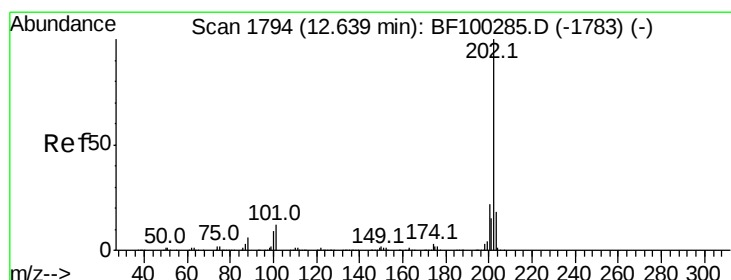
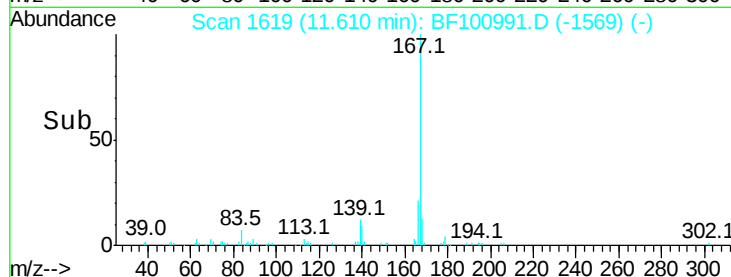
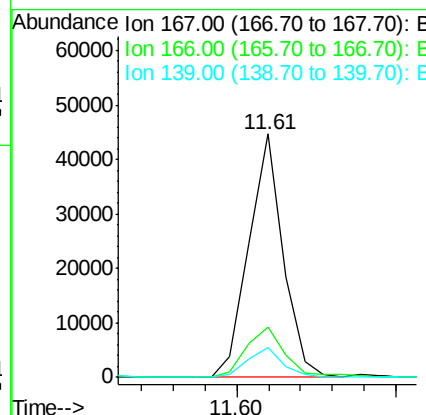
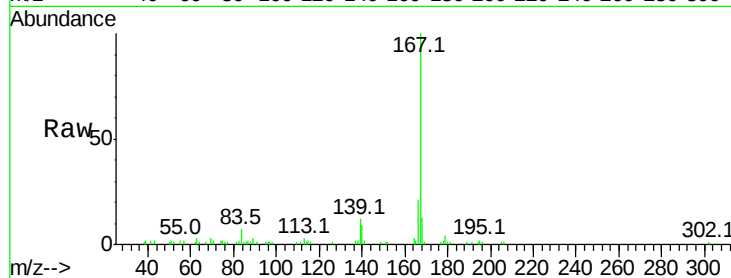
ClientSampleId :

SB-X(0-2)-20171127

Tot Ion:	167	Resp:	33545
Ion Ratio	Lower	Upper	
167	100		
166	20.6	17.6	26.4
139	12.4	10.9	16.3

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#74

Fluoranthene

Concen: 79.840 ng

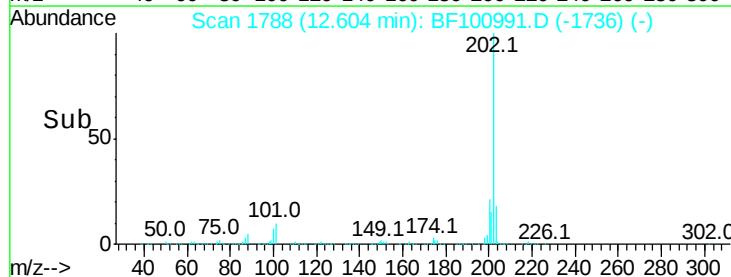
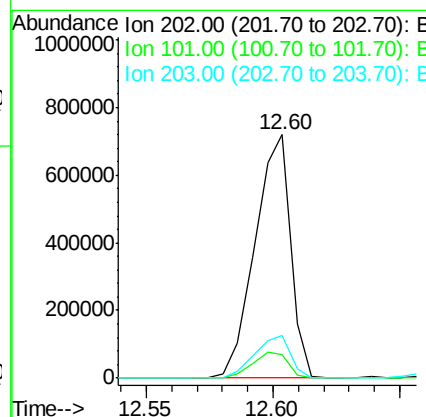
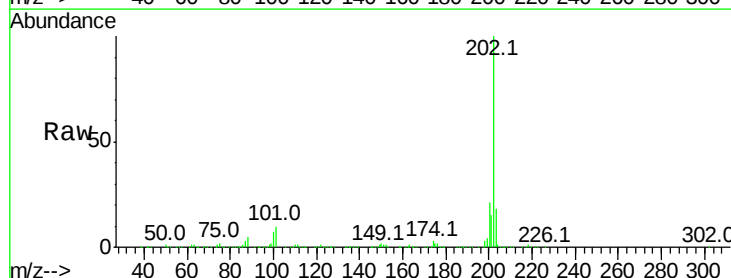
RT: 12.60 min Scan# 1788

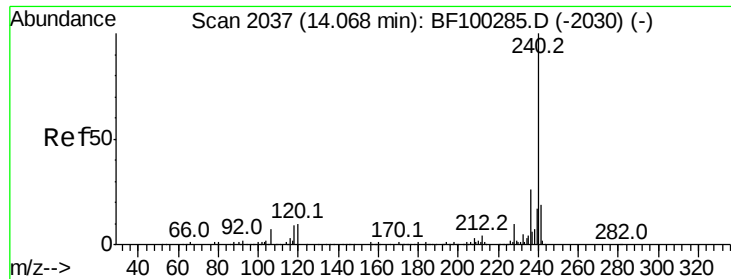
Delta R.T. 0.01 min

Lab File: BF100991.D

Acq: 29 Nov 2017 21:11

Tgt Ion:	202	Resp:	704844
Ion Ratio	Lower	Upper	
202	100		
101	9.7	0.0	34.1
203	17.6	0.0	38.1





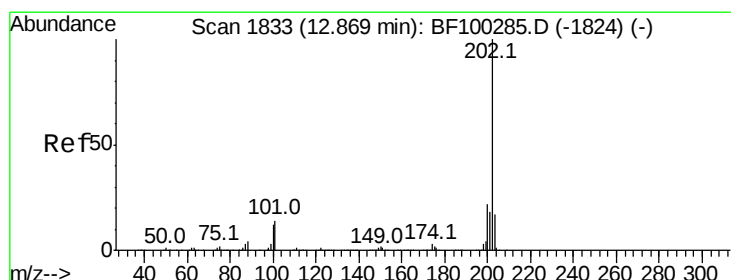
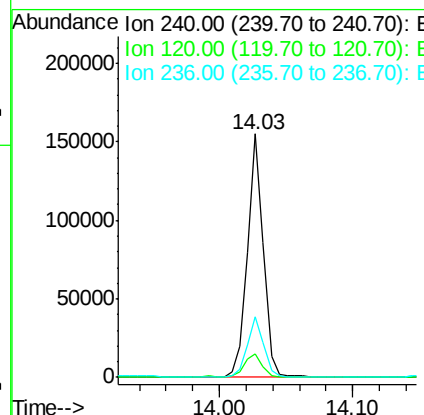
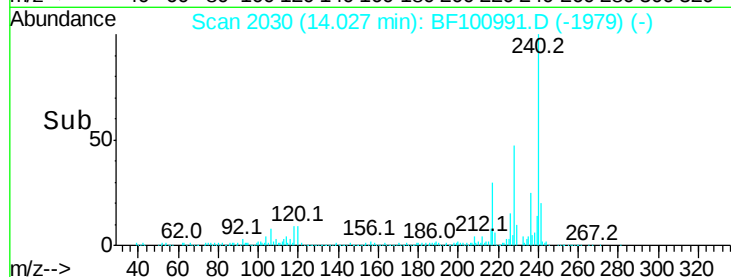
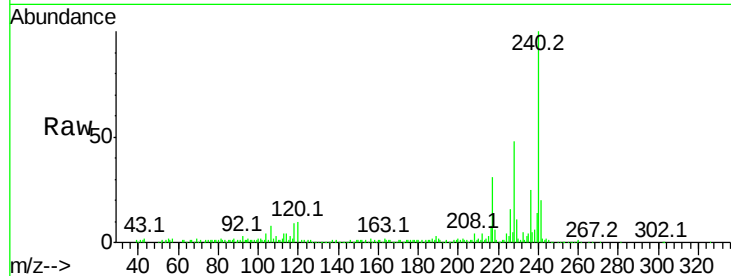
#75
Chrysene-d12
Concen: 20.000 ng
RT: 14.03 min Scan# 2030
Delta R.T. -0.00 min
Lab File: BF100991.D
Acq: 29 Nov 2017 21:11

Instrument :
BNA_F
ClientSampleId :
SB-X(0-2)-20171127

Tot Ion	Ratio	Lower	Upper
240	100		
120	9.6	9.5	14.3
236	25.0	20.7	31.1

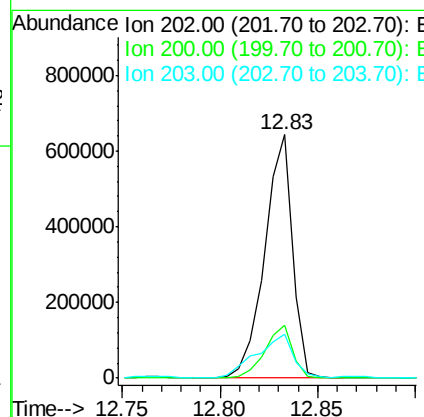
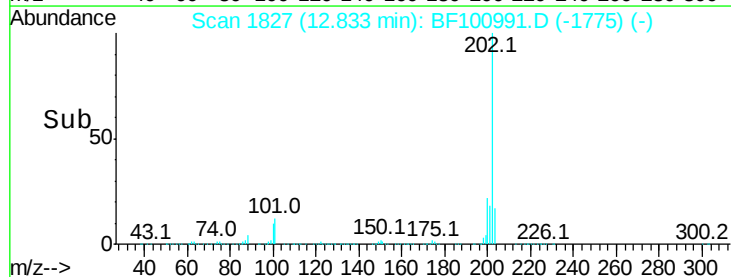
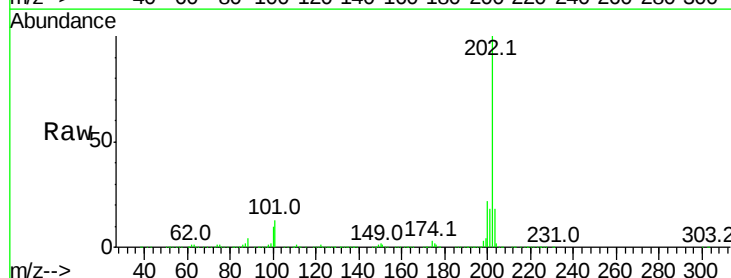
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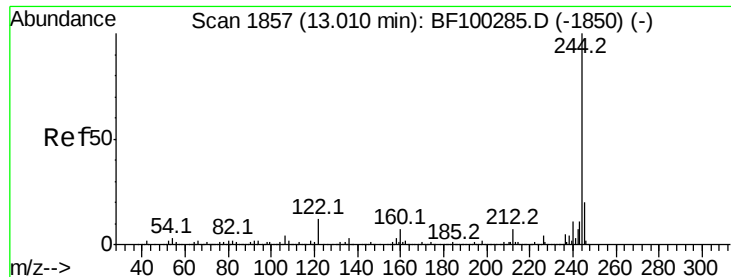
Sohil
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#77
Pyrene
Concen: 68.922 ng
RT: 12.83 min Scan# 1827
Delta R.T. 0.01 min
Lab File: BF100991.D
Acq: 29 Nov 2017 21:11

Tgt Ion	Ratio	Lower	Upper
202	100		
200	21.9	17.4	26.2
203	17.8	14.3	21.5





#78

Terphenyl-d14

Concen: 65.975 ng

RT: 12.96 min Scan# 1849

Delta R.T. -0.01 min

Lab File: BF100991.D

Acq: 29 Nov 2017 21:11

Instrument :

BNA_F

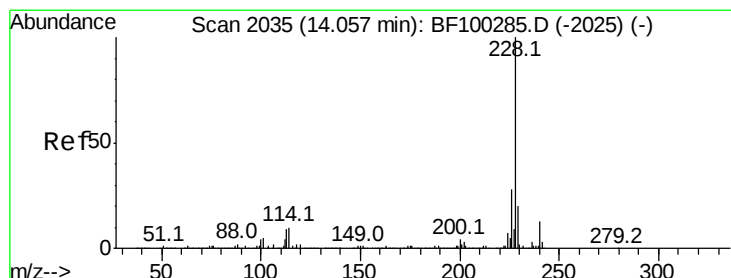
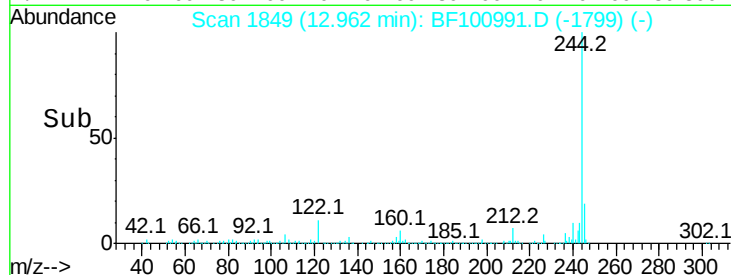
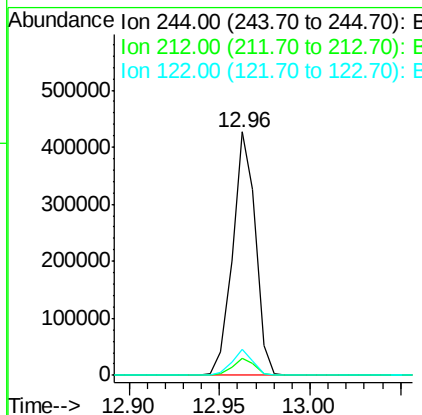
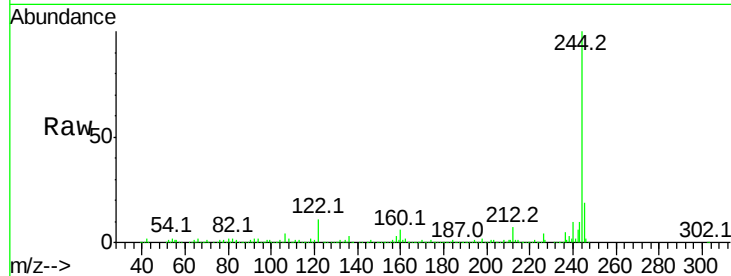
ClientSampleId :

SB-X(0-2)-20171127

Tot Ion	Ratio	Lower	Upper
244	100		
212	7.0	5.4	8.0
122	10.8	11.0	16.4

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#80

Benzo(a)anthracene

Concen: 43.268 ng

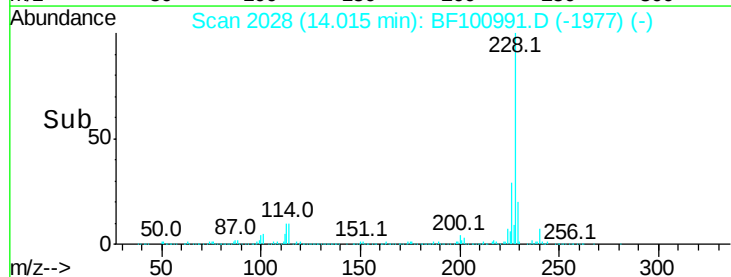
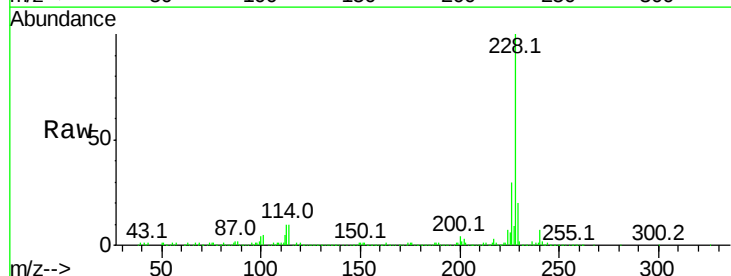
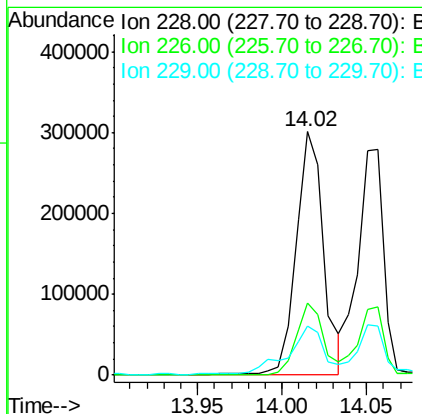
RT: 14.02 min Scan# 2028

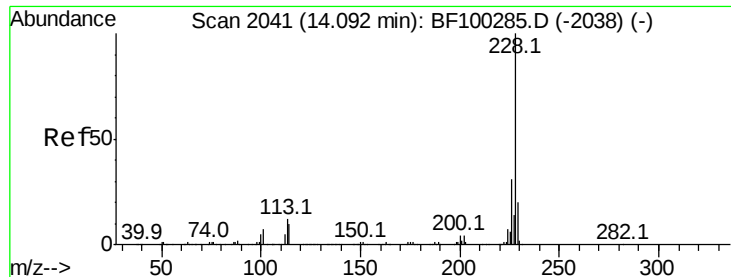
Delta R.T. -0.00 min

Lab File: BF100991.D

Acq: 29 Nov 2017 21:11

Tgt Ion	Ratio	Lower	Upper
228	100		
226	29.7	22.6	33.8
229	20.1	15.8	23.6





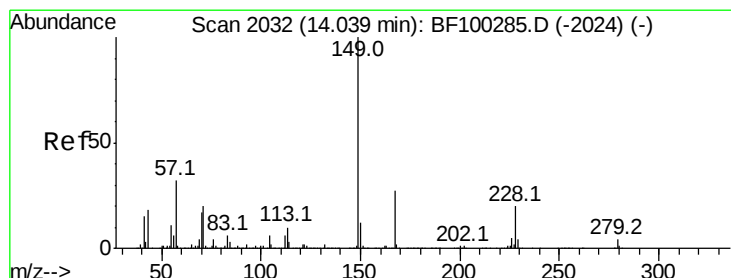
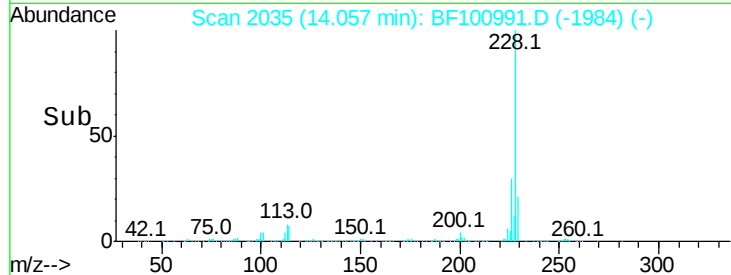
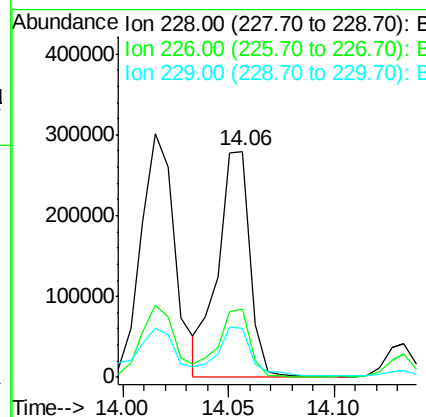
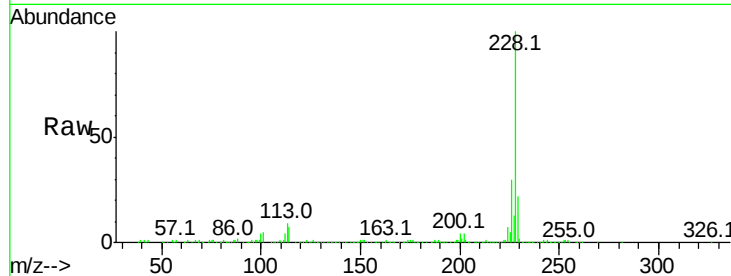
#82
 Chrysene
 Concen: 39.008 ng
 RT: 14.06 min Scan# 2035
 Delta R.T. -0.00 min
 Lab File: BF100991.D
 Acq: 29 Nov 2017 21:11

Instrument :
 BNA_F
 ClientSampleId :
 SB-X(0-2)-20171127

Tot Ion	Ratio	Lower	Upper
228	100		
226	30.2	25.0	37.6
229	21.6	16.2	24.4

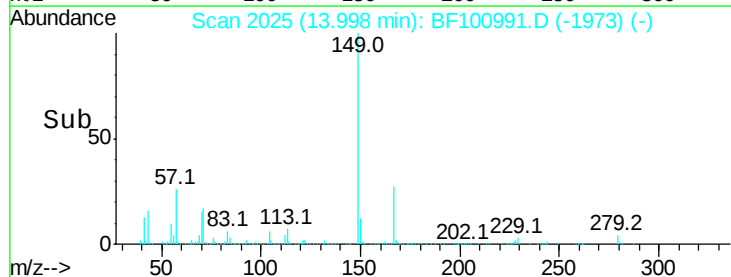
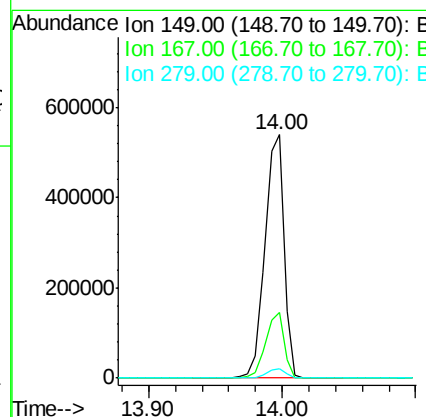
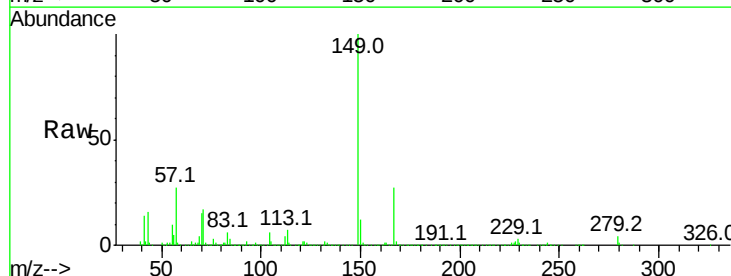
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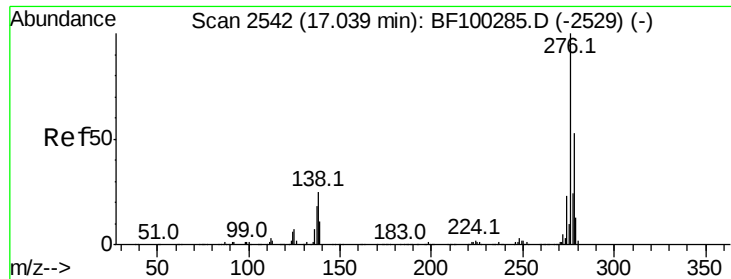
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#83
 Bis(2-ethylhexyl)phthalate
 Concen: 106.628 ng
 RT: 14.00 min Scan# 2025
 Delta R.T. 0.01 min
 Lab File: BF100991.D
 Acq: 29 Nov 2017 21:11

Tgt Ion	Ratio	Lower	Upper
149	100		
167	27.1	21.3	31.9
279	4.0	3.0	4.4





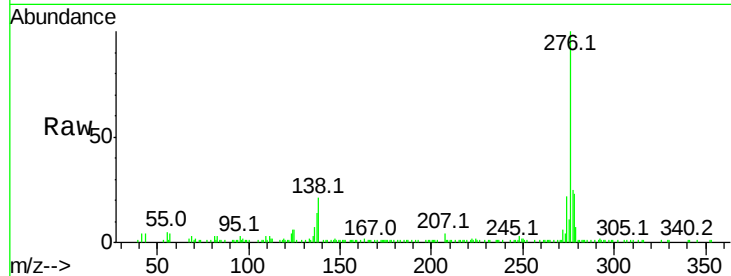
#85
Indeno(1,2,3-cd)pyrene
Concen: 18.585 ng
RT: 16.98 min Scan# 2532
Delta R.T. 0.01 min
Lab File: BF100991.D
Acq: 29 Nov 2017 21:11

Instrument :
BNA_F
ClientSampleId :
SB-X(0-2)-20171127

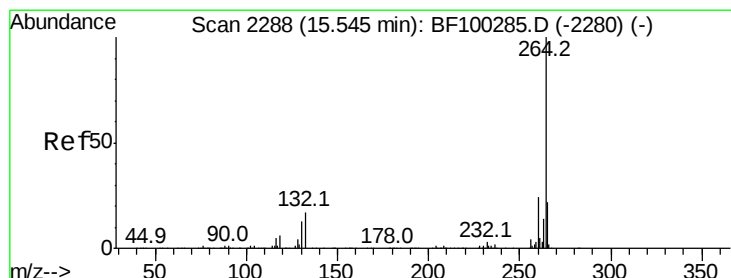
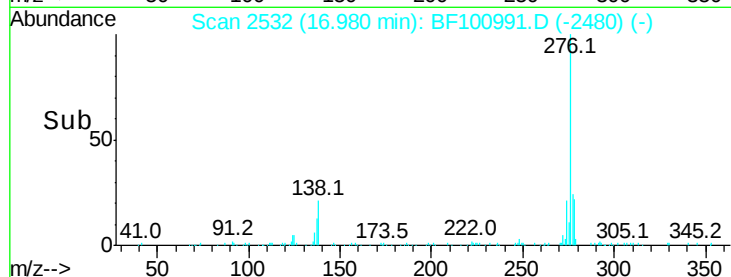
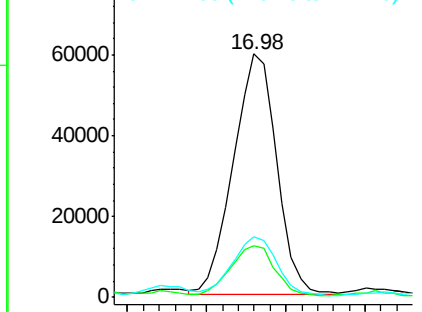
Tot Ion	Ratio	Lower	Upper
276	100		
138	21.0	25.0	37.6#
277	24.9	20.1	30.1

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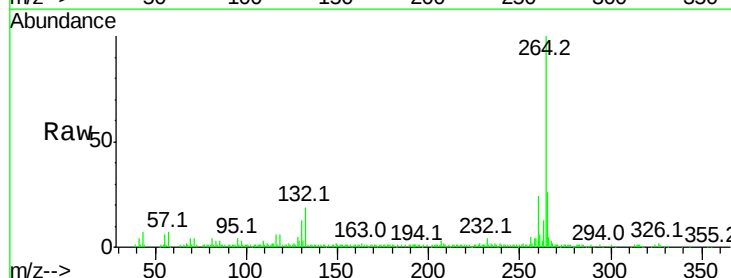


Abundance Ion 276.00 (275.70 to 276.70): E
Ion 138.00 (137.70 to 138.70): E
Ion 277.00 (276.70 to 277.70): E

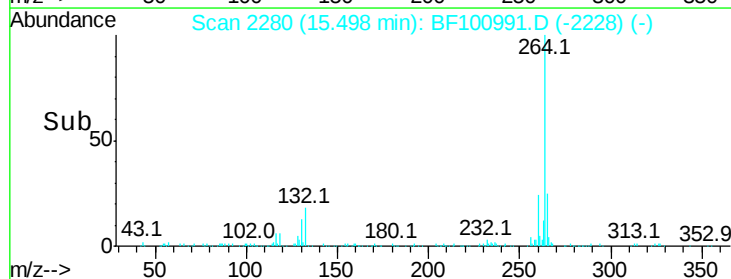
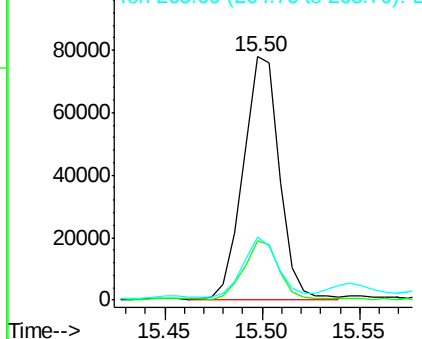


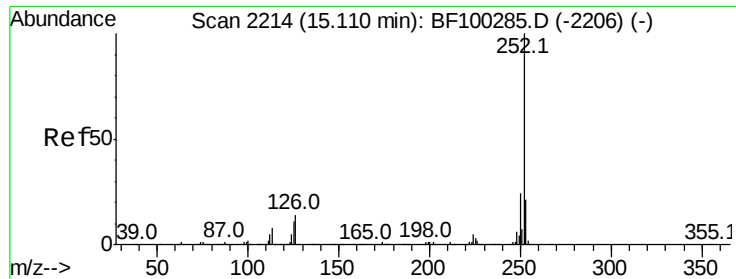
#86
Perylene-d12
Concen: 20.000 ng
RT: 15.50 min Scan# 2280
Delta R.T. 0.01 min
Lab File: BF100991.D
Acq: 29 Nov 2017 21:11

Tgt Ion	Ratio	Lower	Upper
264	100		
260	24.4	19.2	28.8
265	25.7	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





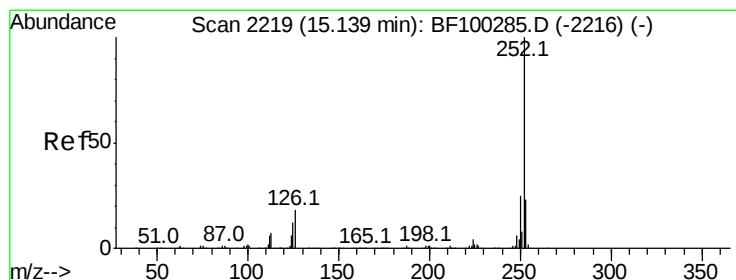
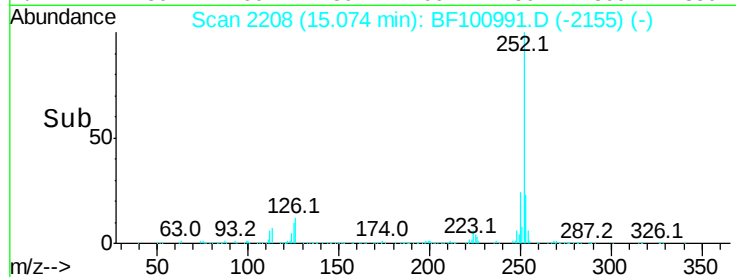
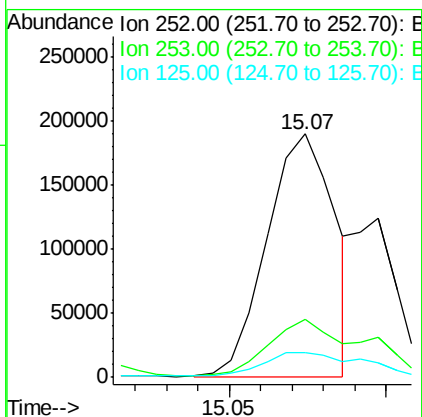
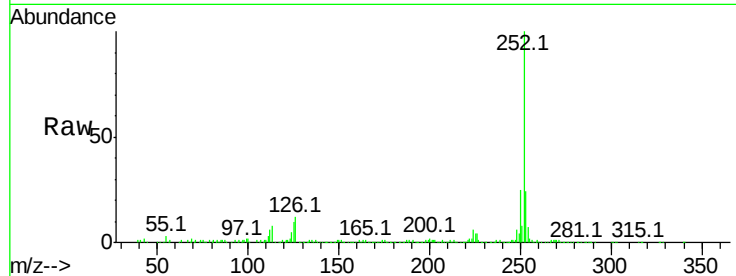
#87
Benzo(b)fluoranthene
Concen: 48.271 ng m
RT: 15.07 min Scan# 2208
Delta R.T. 0.01 min
Lab File: BF100991.D
Acq: 29 Nov 2017 21:11

Instrument :
BNA_F
ClientSampleId :
SB-X(0-2)-20171127

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.8	17.0	25.6
125	10.3	9.0	13.6

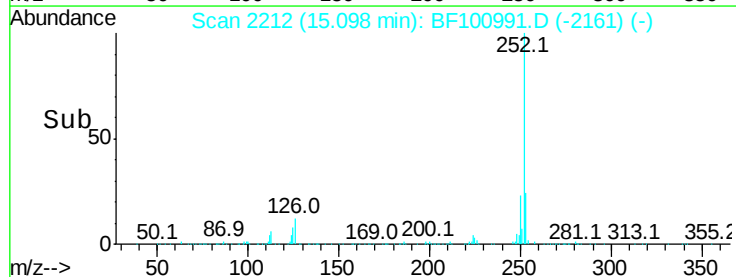
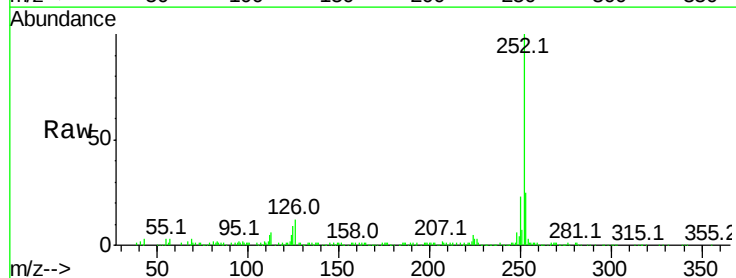
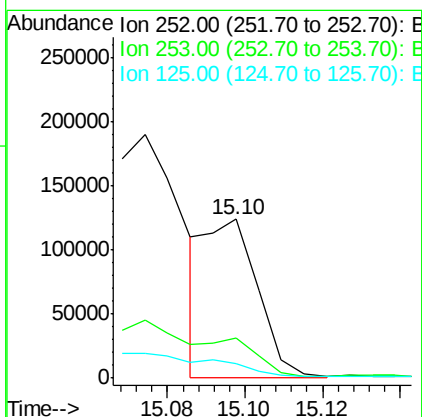
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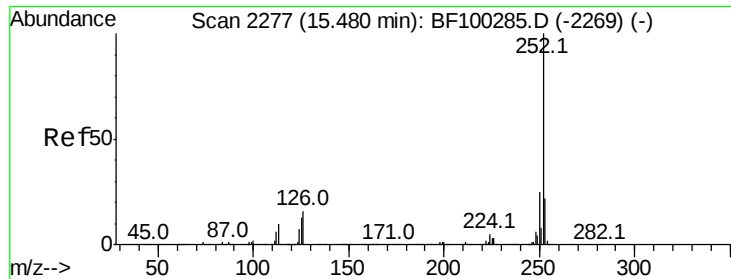
Sohil
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#88
Benzo(k)fluoranthene
Concen: 20.634 ng m
RT: 15.10 min Scan# 2212
Delta R.T. -0.00 min
Lab File: BF100991.D
Acq: 29 Nov 2017 21:11

Tgt Ion	Ratio	Lower	Upper
252	100		
253	25.0	17.9	26.9
125	9.1	10.2	15.2#





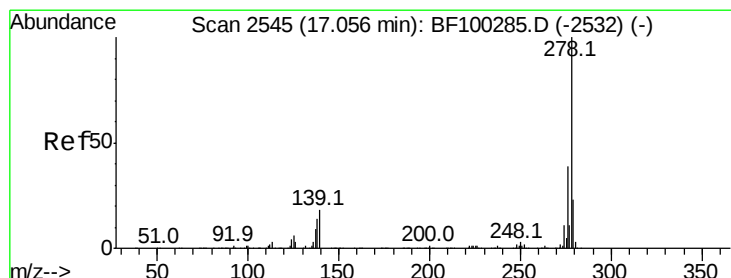
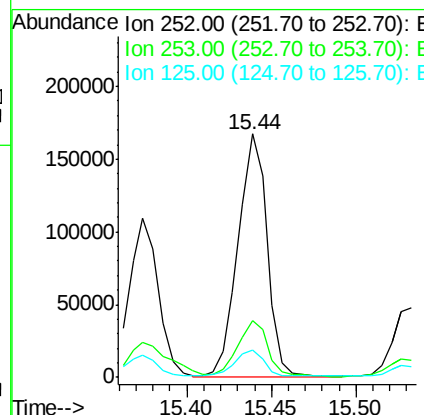
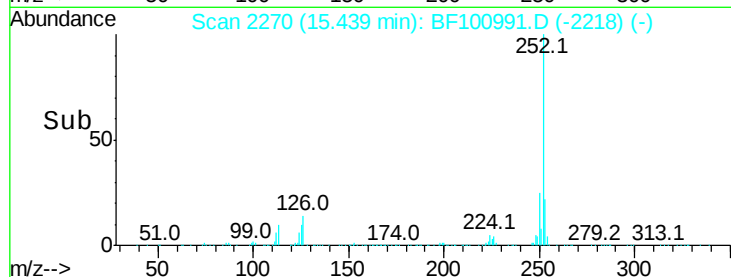
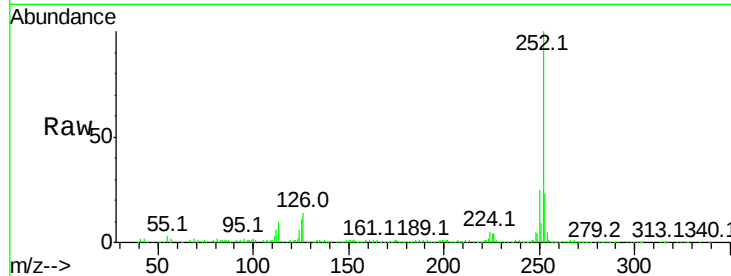
#89
Benzo(a)pyrene
Concen: 38.351 ng
RT: 15.44 min Scan# 2270
Delta R.T. 0.01 min
Lab File: BF100991.D
Acq: 29 Nov 2017 21:11

Instrument :
BNA_F
ClientSampleId :
SB-X(0-2)-20171127

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.0	17.1	25.7
125	11.0	9.8	14.6

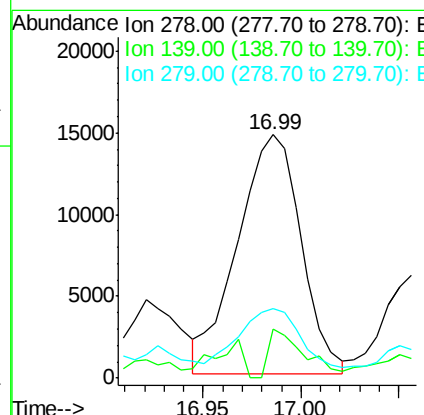
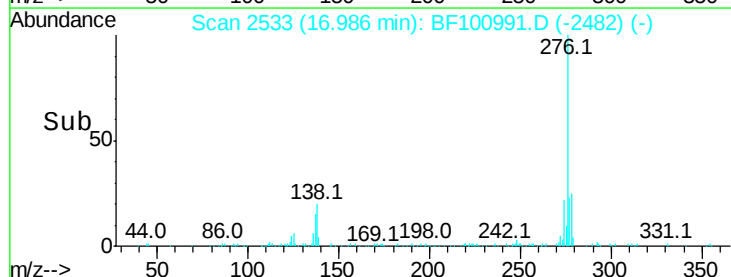
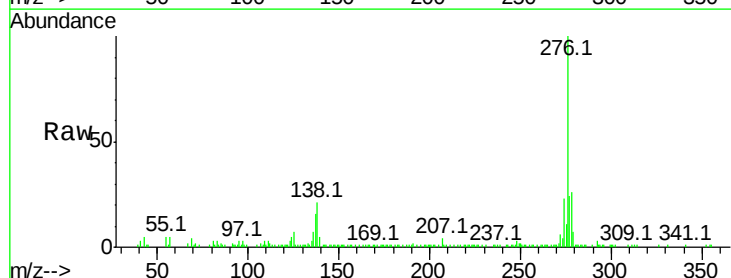
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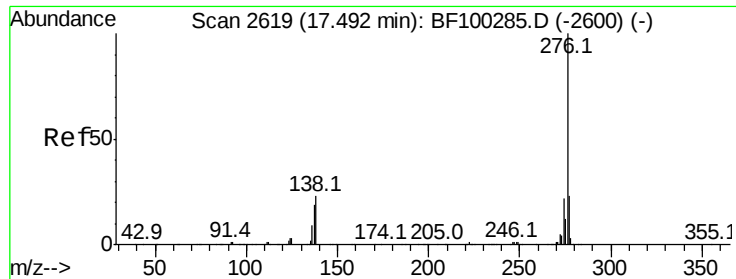
Sohil
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#90
Dibenzo(a,h)anthracene
Concen: 7.741 ng m
RT: 16.99 min Scan# 2533
Delta R.T. -0.00 min
Lab File: BF100991.D
Acq: 29 Nov 2017 21:11

Tgt Ion	Ratio	Lower	Upper
278	100		
139	20.2	15.9	23.9
279	28.5	19.0	28.4#





#91
 Benzo(a,h,i)perylene
 Concen: 25.707 ng
 RT: 17.43 min Scan# 2609
 Delta R.T. 0.01 min
 Lab File: BF100991.D
 Acq: 29 Nov 2017 21:11

Instrument :
 BNA_F
 ClientSampleId :
 SB-X(0-2)-20171127

Tot Ion	Ratio	Lower	Upper
276	100		
277	22.7	17.9	26.9
138	19.7	21.8	32.8

Manual Integrations
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 11/30/2017 4:30:09 PM

