

Data Path : Z:\HPCHEM1\BNA F\DATA\BF112717\
 Data File : BF100911.D
 Acq On : 28 Nov 2017 00:39
 Operator : SJ/JU
 Sample : I6548-02 5X
 Misc :
 ALS Vial : 31 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SAU-3-E(7-8)

Manual Integrations
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 11/28/2017 2:46:42 PM

Quant Time: Nov 28 07:28:23 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF110817.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Nov 27 14:11:25 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.86	152	64260	20.00	ng	0.00
21) Naphthalene-d8	8.14	136	250756	20.00	ng	0.00
38) Acenaphthene-d10	9.89	164	113612	20.00	ng	0.00
63) Phenanthrene-d10	11.38	188	191006	20.00	ng	0.00
75) Chrysene-d12	14.02	240	128358	20.00	ng	0.00
86) Perylene-d12	15.49	264	135968	20.00	ng	0.00

System Monitoring Compounds						
5) 2-Fluorophenol	5.47	112	70409	17.56	ng	0.00
7) Phenol-d6	6.48	99	85886	17.37	ng	-0.01
23) Nitrobenzene-d5	7.42	82	50361	13.28	ng	-0.01
41) 2,4,6-Tribromophenol	10.68	330	18429	15.92	ng	-0.01
44) 2-Fluorobiphenyl	9.21	172	108627	14.56	ng	-0.01
78) Terphenyl-d14	12.96	244	73364	13.13	ng	0.00

Target Compounds				Qvalue		
31) Naphthalene	8.16	128	41816	3.462	ng	99
51) Acenaphthene	9.93	154	34354	4.781	ng	99
54) Dibenzofuran	10.10	168	35237	3.499	ng	99
57) Fluorene	10.44	166	37426	5.073	ng	99
70) Phenanthrene	11.41	178	540357	53.731	ng	99
71) Anthracene	11.46	178	106832	10.471	ng	98
72) Carbazole	11.61	167	39905	4.239	ng	97
74) Fluoranthene	12.60	202	553589	51.940	ng	97
77) Pyrene	12.83	202	528262	57.734	ng	98
80) Benzo(a)anthracene	14.02	228	219482	28.395	ng	98
82) Chrysene	14.05	228	209383	27.973	ng	97
85) Indeno(1,2,3-cd)pyrene	16.96	276	92062	15.206	ng	# 90
87) Benzo(b)fluoranthene	15.06	252	233486m	28.985	ng	
88) Benzo(k)fluoranthene	15.09	252	82639m	10.858	ng	
89) Benzo(a)pyrene	15.43	252	178539	25.001	ng	96
90) Dibenzo(a,h)anthracene	16.97	278	25112	4.300	ng	96
91) Benzo(g,h,i)perylene	17.41	276	89211	15.605	ng	92

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

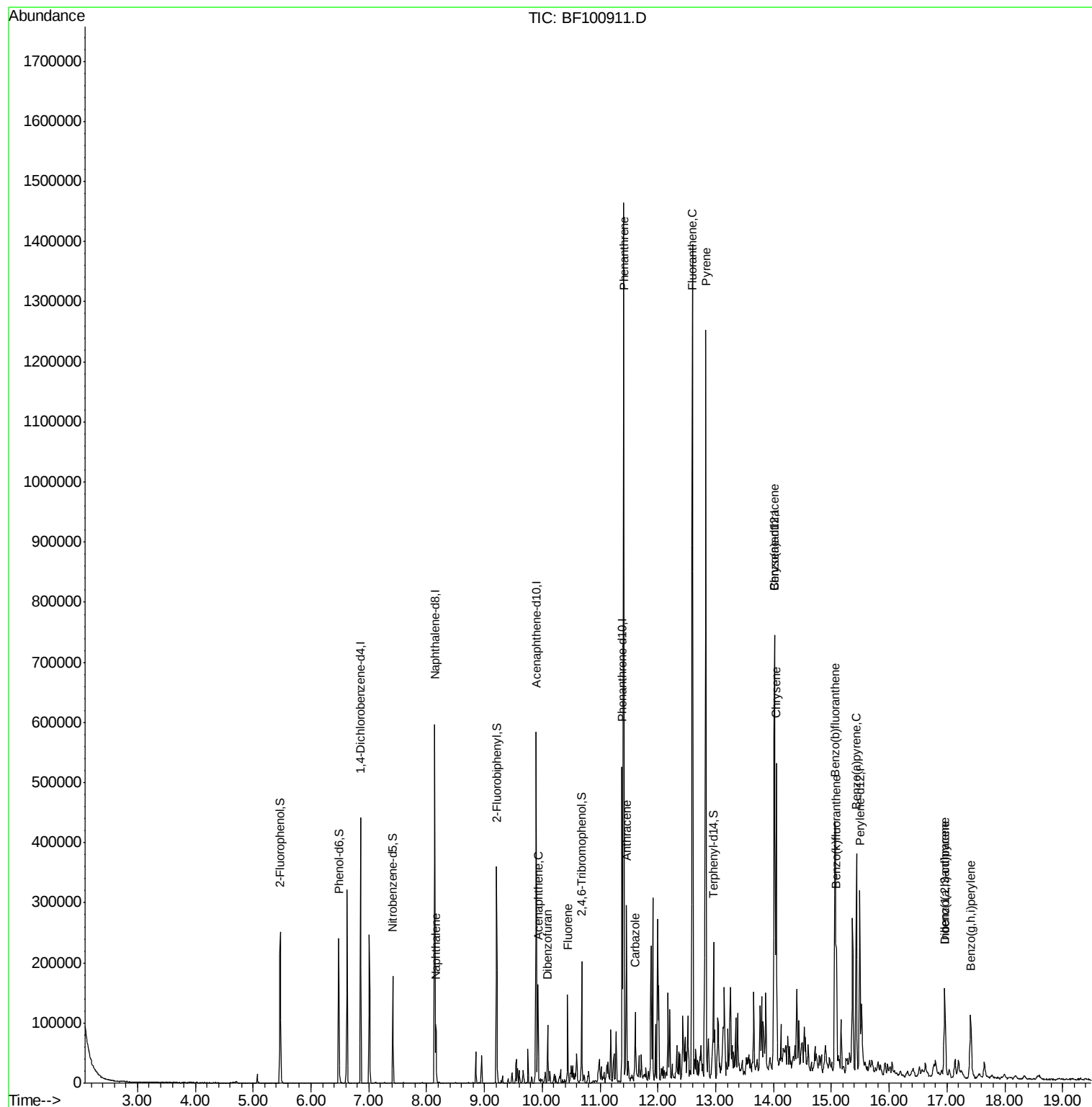
Data Path : Z:\HPCHEM1\BNA F\DATA\BF112717\
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#1

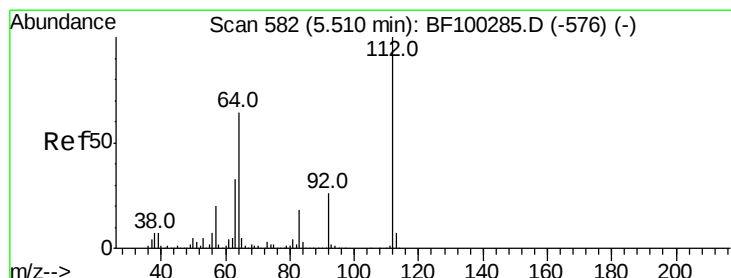
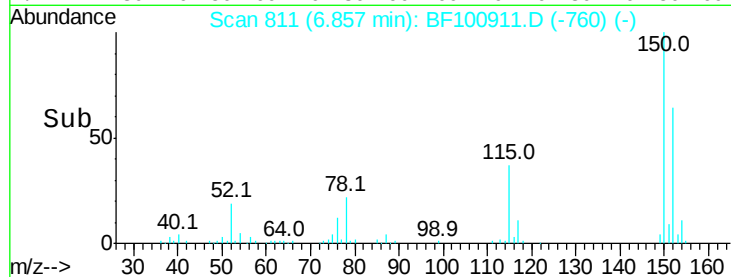
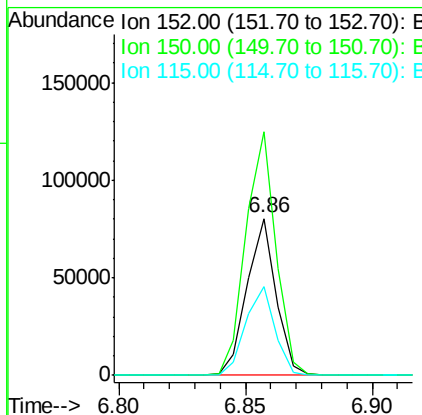
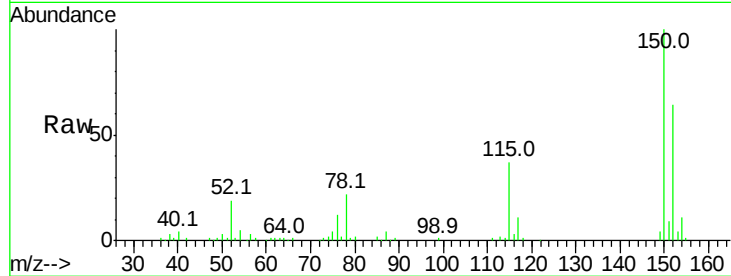
1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.86 min Scan# 811
 Delta R.T. -0.00 min
 Lab File: BF100911.D
 Acq: 28 Nov 2017 00:39

Instrument :
 BNA_F
 ClientSampleId :
 SAU-3-E(7-8)

Tot Ion	Ratio	Lower	Upper
152	100		
150	155.4	124.6	186.8
115	56.7	50.1	75.1

Manual Integrations
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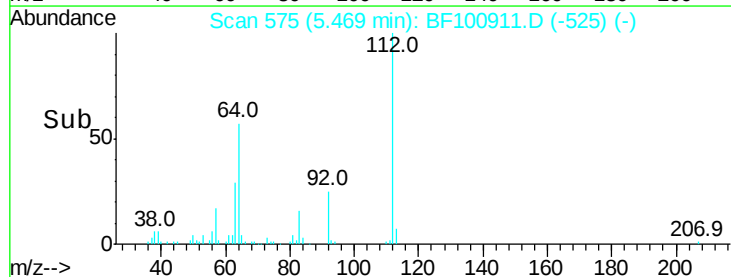
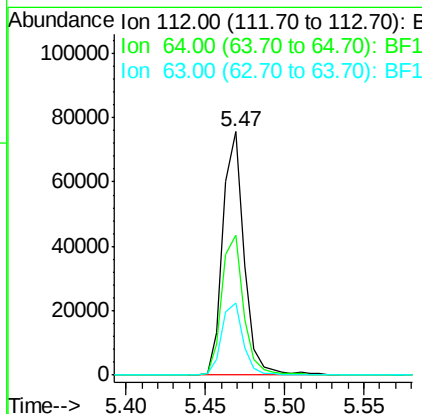
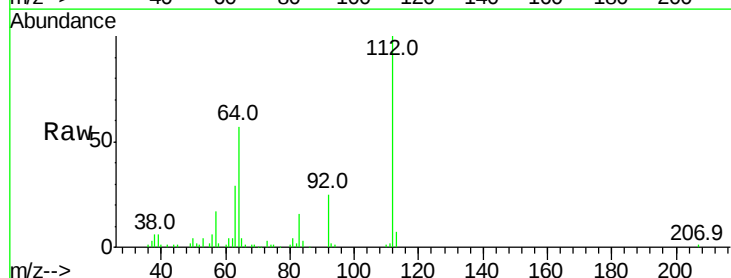
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#5

2-Fluorophenol
 Concen: 17.564 ng
 RT: 5.47 min Scan# 575
 Delta R.T. -0.01 min
 Lab File: BF100911.D
 Acq: 28 Nov 2017 00:39

Tgt Ion	Ratio	Lower	Upper
112	100		
64	57.2	47.9	71.9
63	29.4	23.7	35.5





#7

Phenol-d6

Concen: 17.374 ng

RT: 6.48 min Scan# 747

Delta R.T. -0.01 min

Lab File: BF100911.D

Acq: 28 Nov 2017 00:39

Instrument :

BNA_F

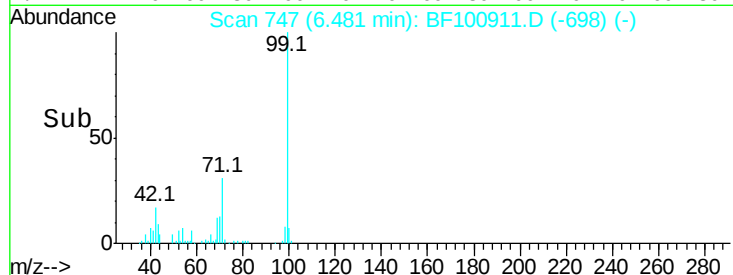
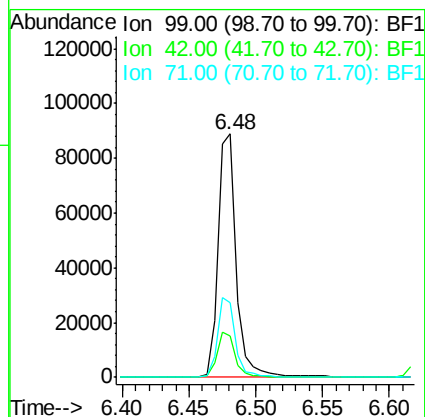
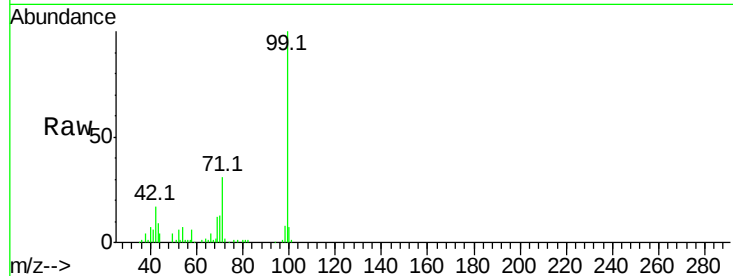
ClientSampleId :

SAU-3-E(7-8)

Tot Ion:	99	Resp:	85886
Ion Ratio	Lower	Upper	
99	100		
42	17.1	14.5	21.7
71	30.7	25.4	38.0

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#21

Naphthalene-d8

Concen: 20.000 ng

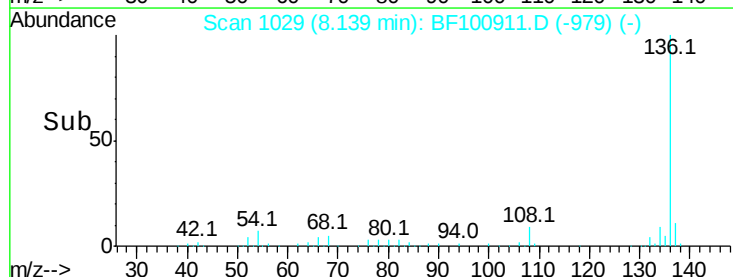
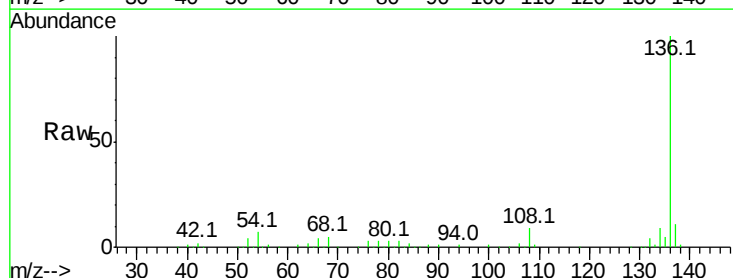
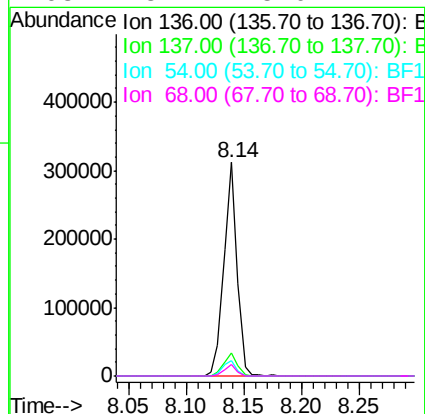
RT: 8.14 min Scan# 1029

Delta R.T. -0.01 min

Lab File: BF100911.D

Acq: 28 Nov 2017 00:39

Tgt Ion:	136	Resp:	250756
Ion Ratio	Lower	Upper	
136	100		
137	10.8	8.9	13.3
54	7.2	6.6	9.8
68	5.1	5.0	7.4





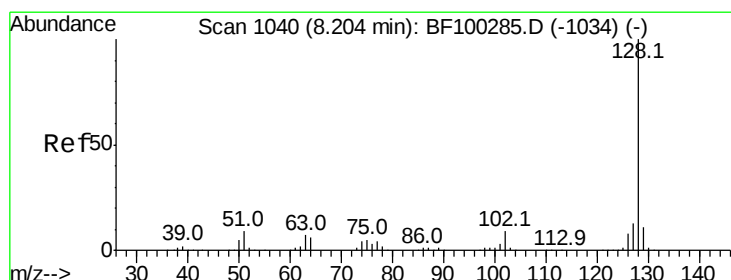
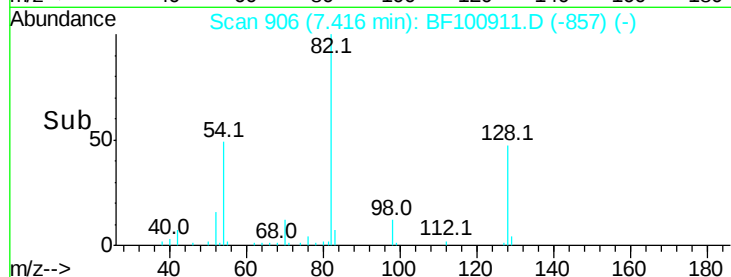
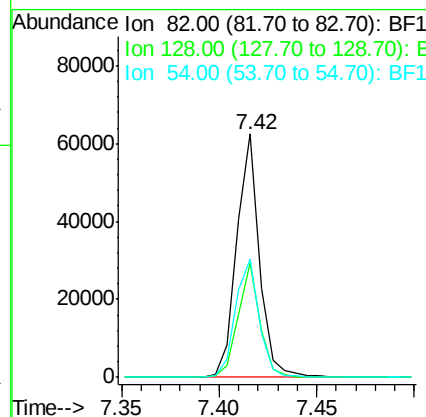
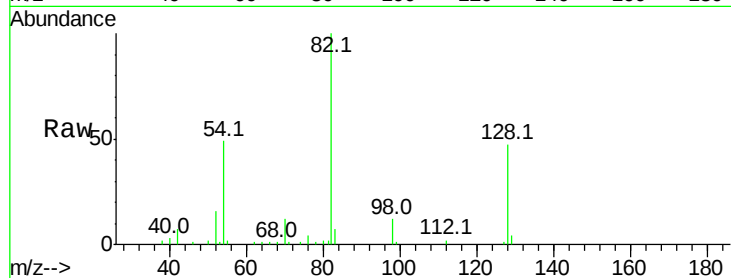
#23
 Nitrobenzene-d5
 Concen: 13.278 ng
 RT: 7.42 min Scan# 906
 Delta R.T. -0.01 min
 Lab File: BF100911.D
 Acq: 28 Nov 2017 00:39

Instrument :
 BNA_F
 ClientSampleId :
 SAU-3-E(7-8)

Tot Ion	Ratio	Lower	Upper
82	100		
128	46.7	36.1	54.1
54	48.8	41.4	62.2

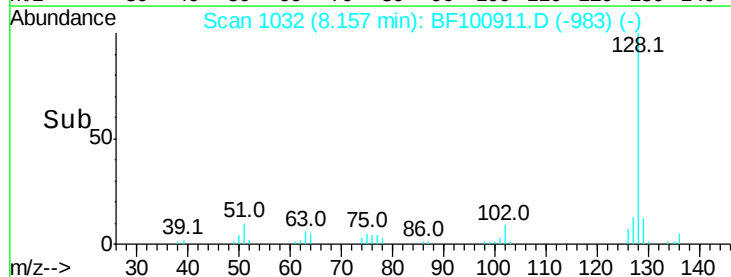
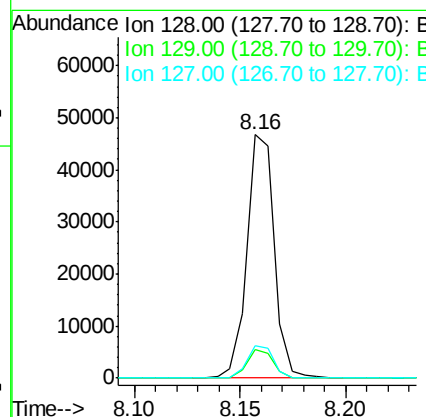
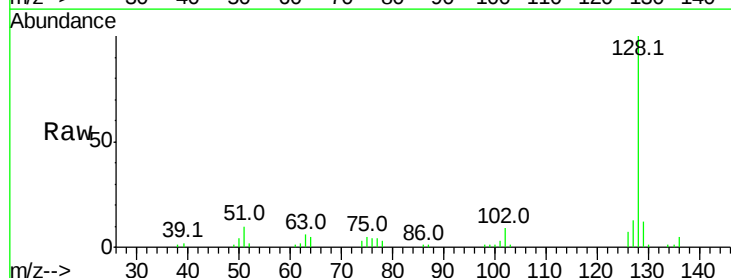
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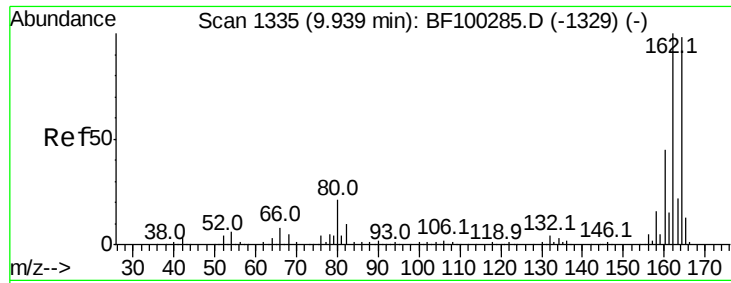
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#31
 Naphthalene
 Concen: 3.462 ng
 RT: 8.16 min Scan# 1032
 Delta R.T. -0.01 min
 Lab File: BF100911.D
 Acq: 28 Nov 2017 00:39

Tgt Ion	Ratio	Lower	Upper
128	100		
129	11.8	8.8	13.2
127	13.3	10.9	16.3





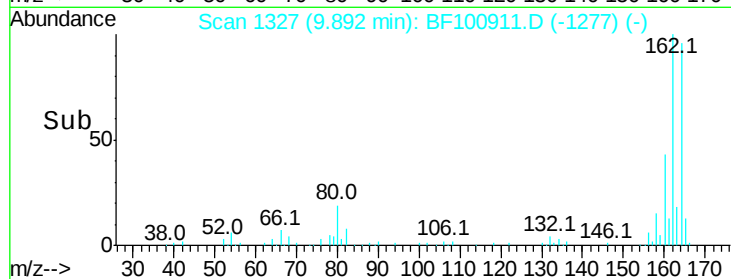
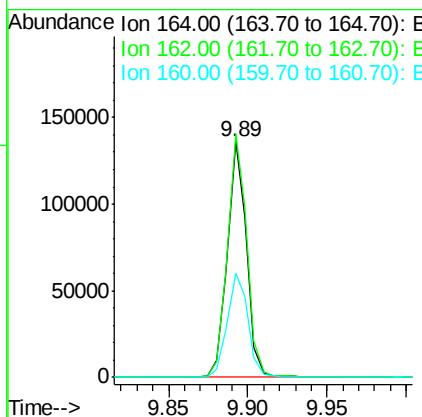
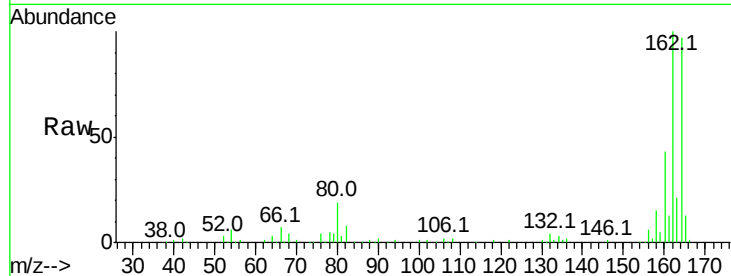
#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.89 min Scan# 1327
Delta R.T. -0.01 min
Lab File: BF100911.D
Acq: 28 Nov 2017 00:39

Instrument :
BNA_F
ClientSampleId :
SAU-3-E(7-8)

Tot Ion	Ratio	Resp	Lower	Upper
164	100	113612		
162	103.4	86.1	129.1	
160	44.3	38.3	57.5	

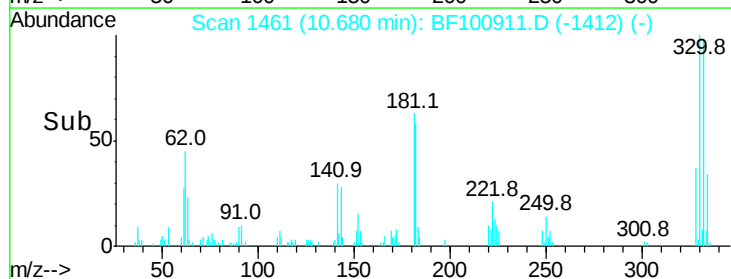
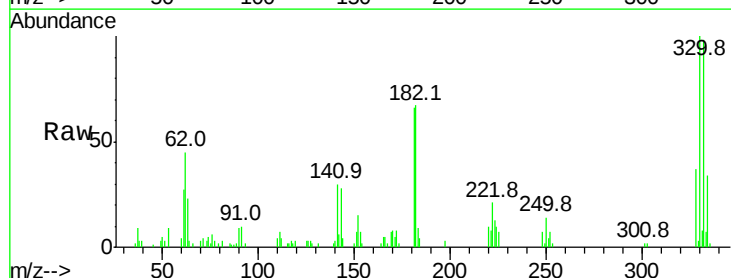
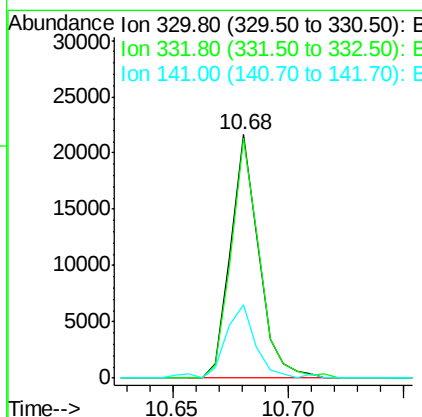
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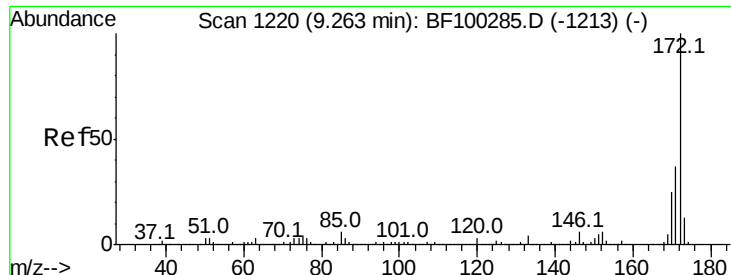
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#41
2,4,6-Tribromophenol
Concen: 15.919 ng
RT: 10.68 min Scan# 1461
Delta R.T. -0.01 min
Lab File: BF100911.D
Acq: 28 Nov 2017 00:39

Tgt Ion	Ratio	Resp	Lower	Upper
330	100	18429		
332	98.8	77.0	115.6	
141	32.8	29.9	44.9	





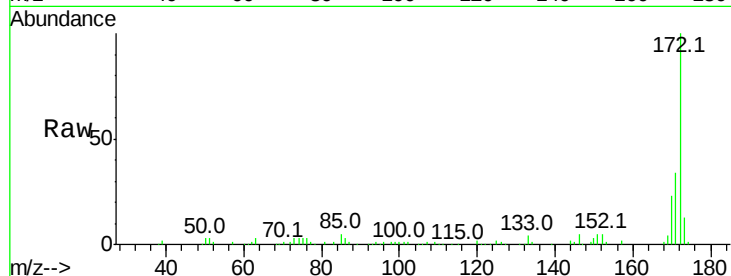
#44
2-Fluorobiphenyl
Concen: 14.559 ng
RT: 9.21 min Scan# 1211
Delta R.T. -0.01 min
Lab File: BF100911.D
Acq: 28 Nov 2017 00:39

Instrument :
BNA_F
ClientSampleId :
SAU-3-E(7-8)

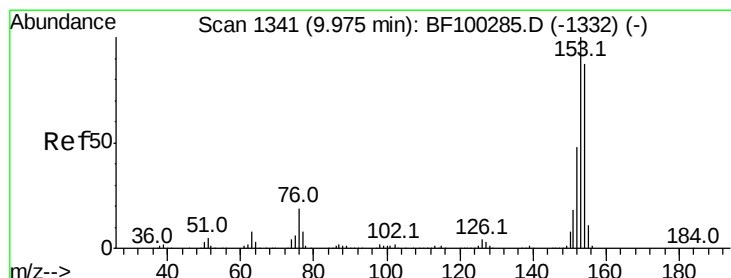
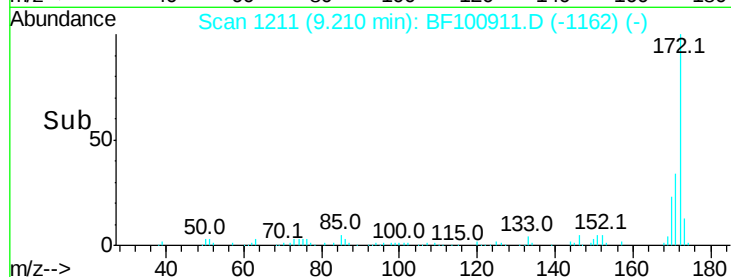
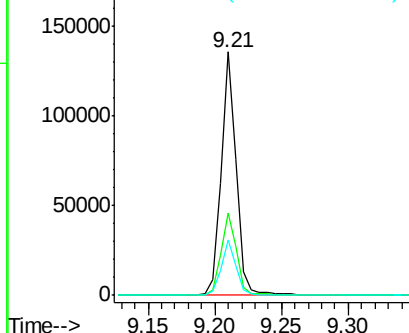
Tot Ion	Ratio	Resp	Lower	Upper
172	100			
171	33.9	29.7	44.5	
170	22.7	19.6	29.4	

Manual Integrations
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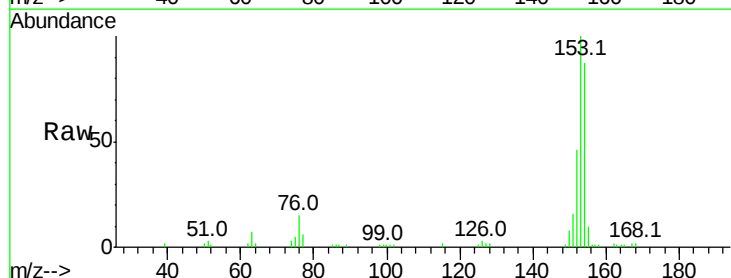


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

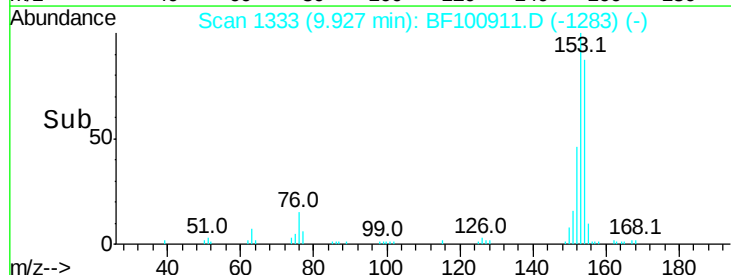
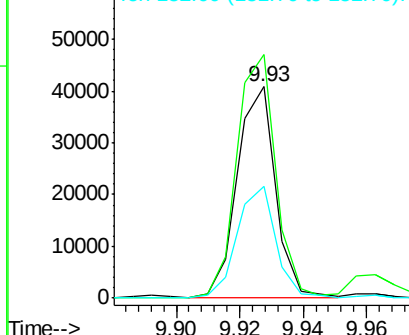


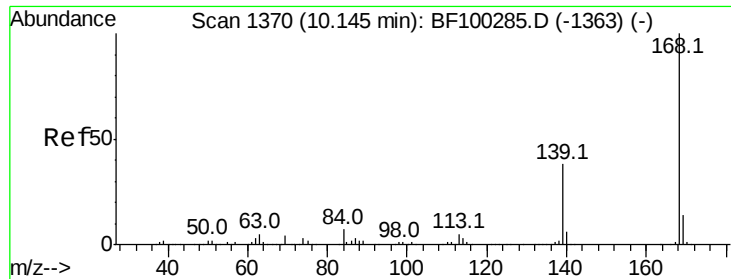
#51
Acenaphthene
Concen: 4.781 ng
RT: 9.93 min Scan# 1333
Delta R.T. -0.01 min
Lab File: BF100911.D
Acq: 28 Nov 2017 00:39

Tgt Ion	Ratio	Resp	Lower	Upper
154	100			
153	115.1	91.2	136.8	
152	53.1	43.8	65.8	



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





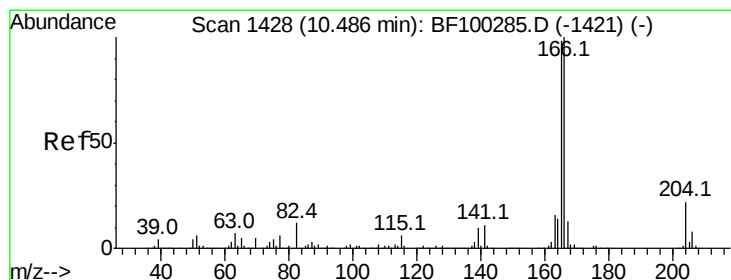
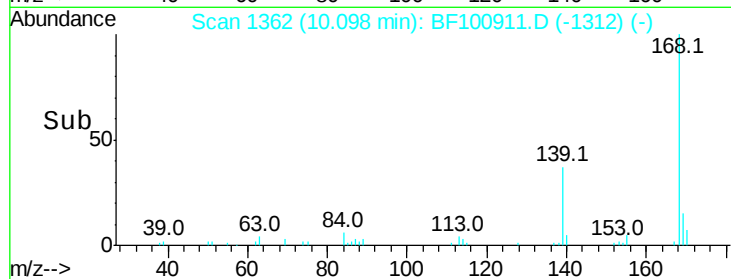
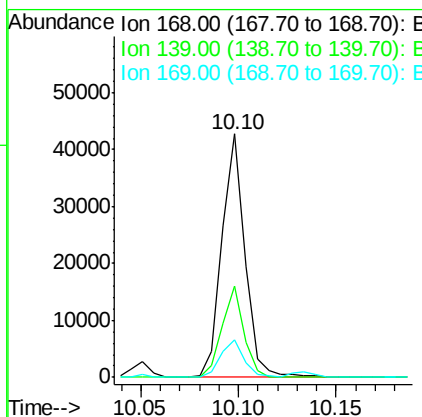
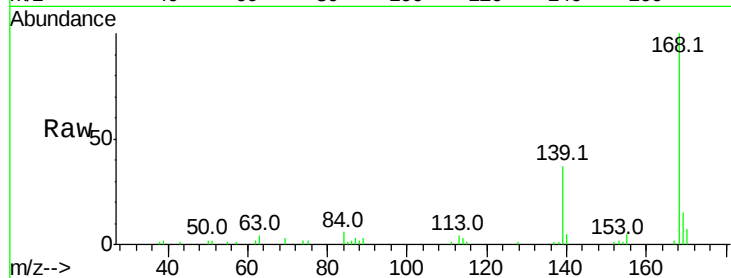
#54
Dibenzenofuran
Concen: 3.499 ng
RT: 10.10 min Scan# 1362
Delta R.T. -0.01 min
Lab File: BF100911.D
Acq: 28 Nov 2017 00:39

Instrument :
BNA_F
ClientSampleId :
SAU-3-E(7-8)

Tot Ion	Ratio	Lower	Upper
168	100		
139	37.4	30.1	45.1
169	15.3	10.9	16.3

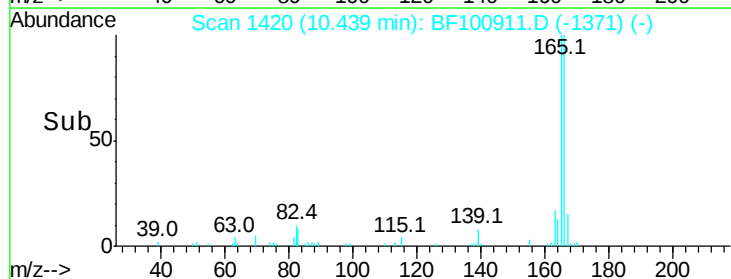
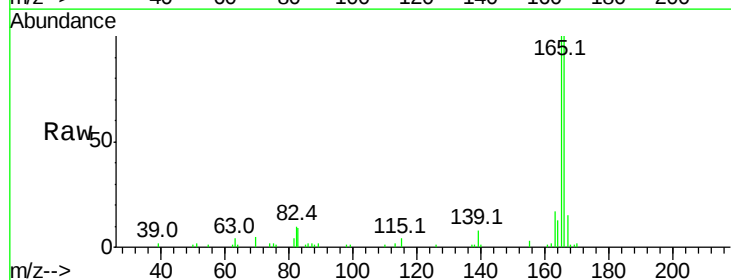
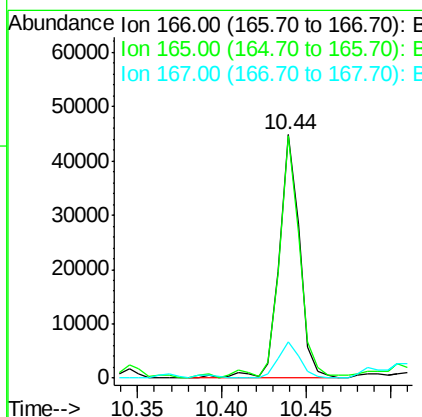
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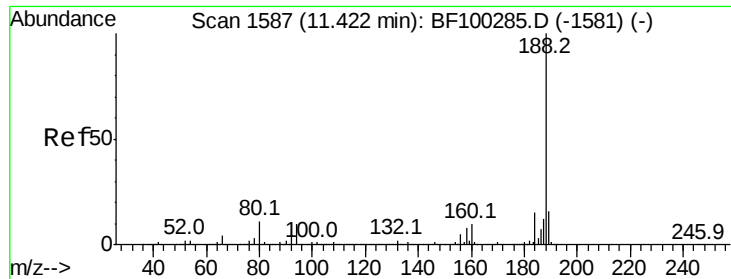
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#57
Fluorene
Concen: 5.073 ng
RT: 10.44 min Scan# 1420
Delta R.T. -0.01 min
Lab File: BF100911.D
Acq: 28 Nov 2017 00:39

Tgt Ion	Ratio	Lower	Upper
166	100		
165	99.8	79.8	119.8
167	15.0	10.6	16.0





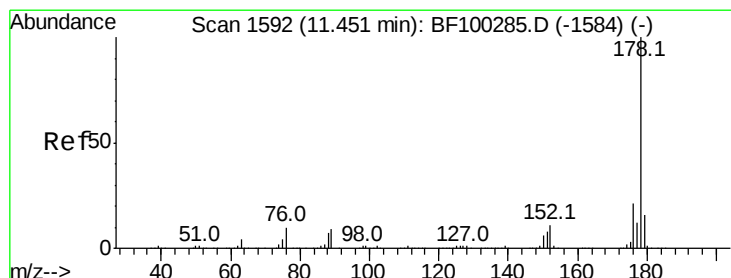
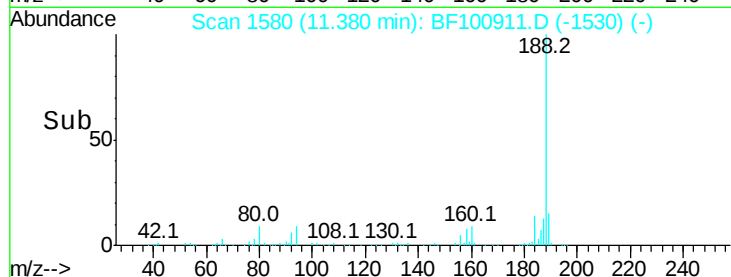
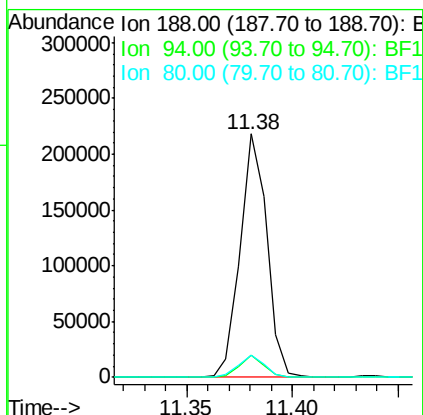
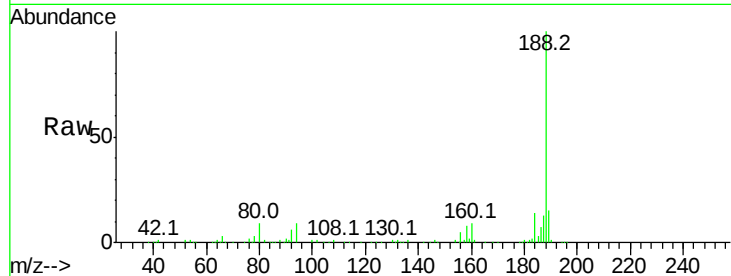
#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.38 min Scan# 1580
Delta R.T. -0.01 min
Lab File: BF100911.D
Acq: 28 Nov 2017 00:39

Instrument :
BNA_F
ClientSampleId :
SAU-3-E(7-8)

Tot Ion	Ratio	Resp Lower	Upper
188	100		
94	9.0	8.5	12.7
80	9.1	9.2	13.8

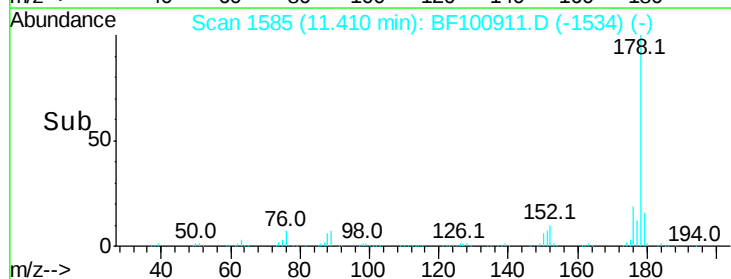
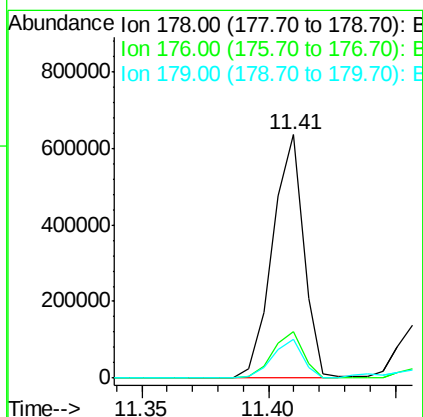
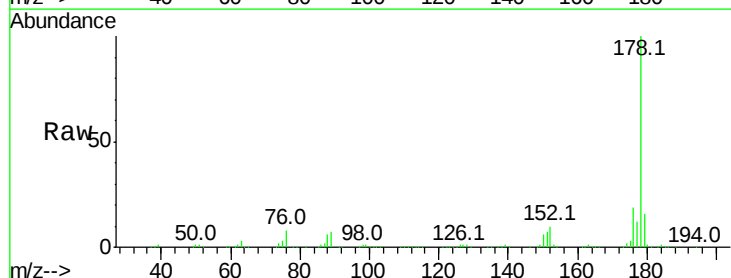
Manual Integrations
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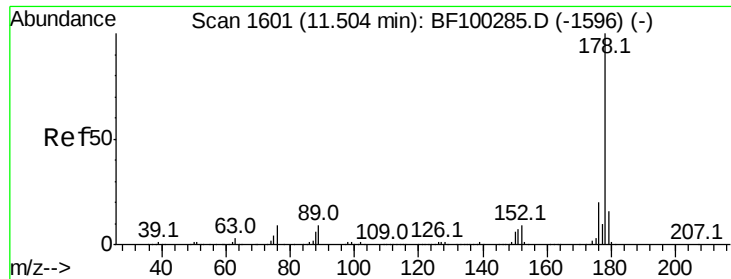
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#70
Phenanthrene
Concen: 53.731 ng
RT: 11.41 min Scan# 1585
Delta R.T. -0.00 min
Lab File: BF100911.D
Acq: 28 Nov 2017 00:39

Tgt Ion	Ratio	Resp Lower	Upper
178	100		
176	19.4	15.8	23.8
179	15.7	13.0	19.6





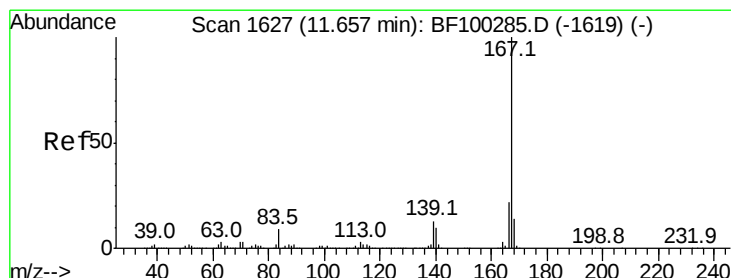
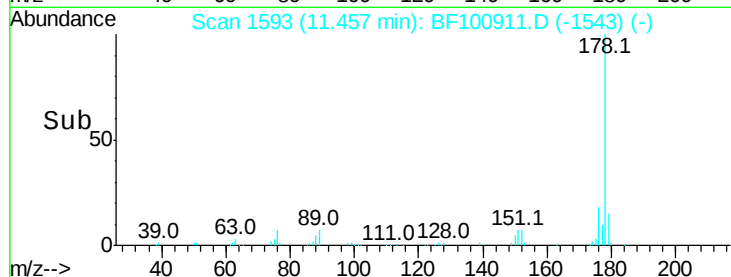
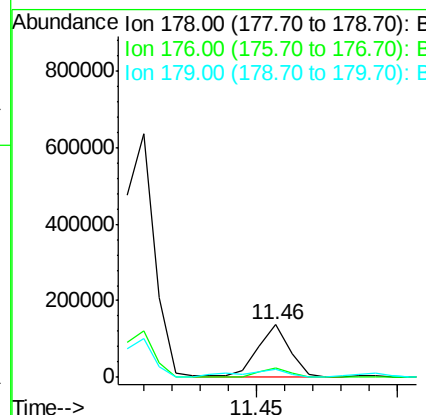
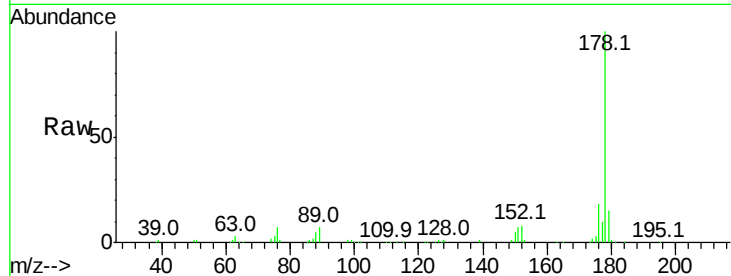
#71
 Anthracene
 Concen: 10.471 ng
 RT: 11.46 min Scan# 1593
 Delta R.T. -0.01 min
 Lab File: BF100911.D
 Acq: 28 Nov 2017 00:39

Instrument :
 BNA_F
 ClientSampleId :
 SAU-3-E(7-8)

Tot Ion	Ratio	Lower	Upper
178	100		
176	18.1	15.4	23.2
179	14.9	12.6	19.0

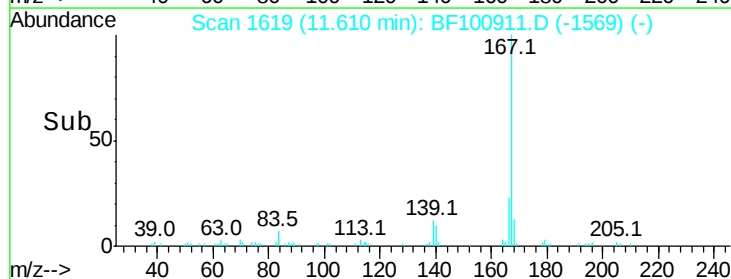
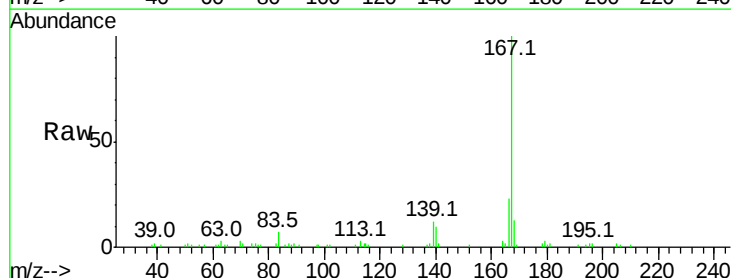
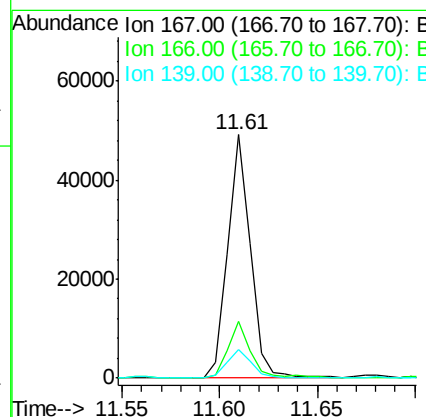
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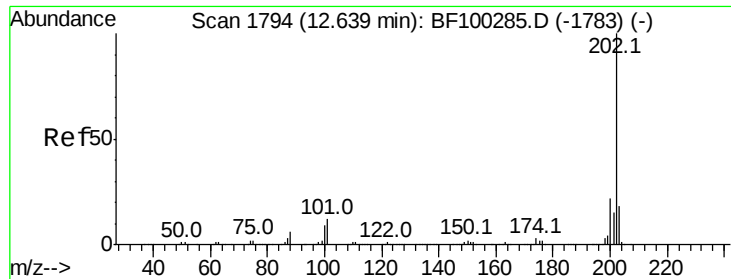
Sohil
 11/28/2017 2:46:42 PM



#72
 Carbazole
 Concen: 4.239 ng
 RT: 11.61 min Scan# 1619
 Delta R.T. -0.01 min
 Lab File: BF100911.D
 Acq: 28 Nov 2017 00:39

Tgt Ion	Ratio	Lower	Upper
167	100		
166	23.1	17.6	26.4
139	11.7	10.9	16.3





#74

Fluoranthene

Concen: 51.940 ng

RT: 12.60 min Scan# 1787

Delta R.T. -0.00 min

Lab File: BF100911.D

Acq: 28 Nov 2017 00:39

Instrument :

BNA_F

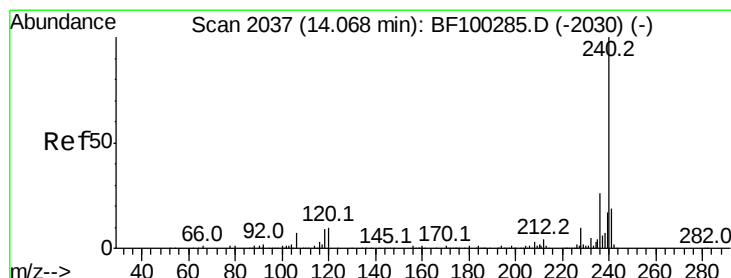
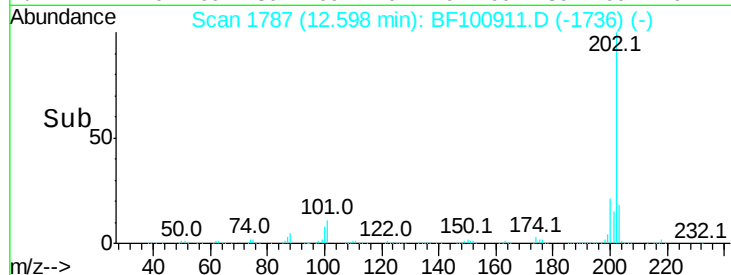
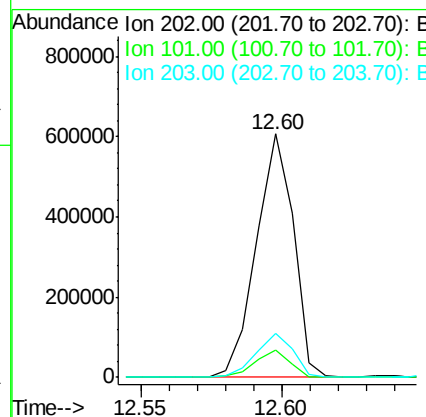
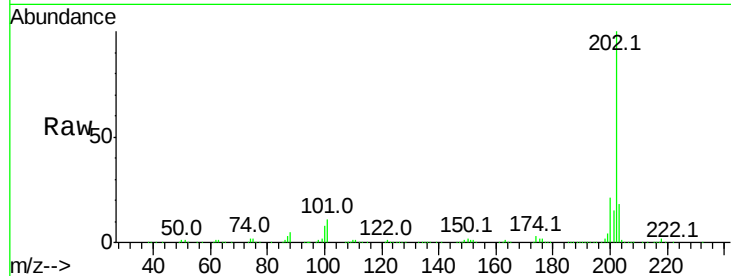
ClientSampleId :

SAU-3-E(7-8)

Tot Ion	Ratio	Resp	Lower	Upper
202	100	553589		
101	11.2	0.0	34.1	
203	17.8	0.0	38.1	

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#75

Chrysene-d12

Concen: 20.000 ng

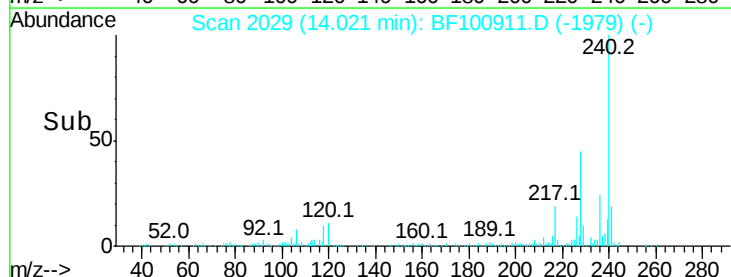
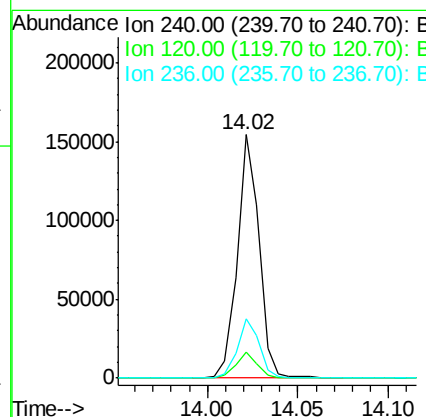
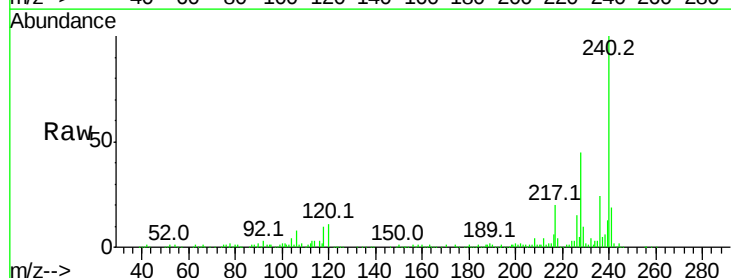
RT: 14.02 min Scan# 2029

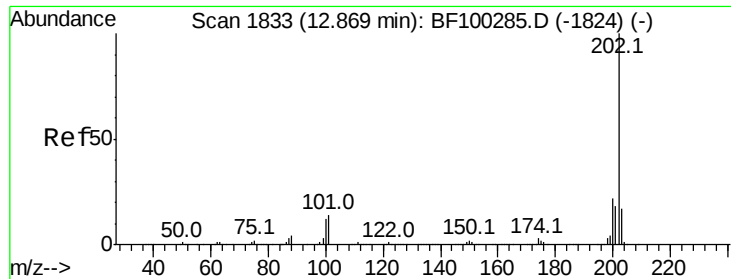
Delta R.T. -0.01 min

Lab File: BF100911.D

Acq: 28 Nov 2017 00:39

Tgt Ion	Ratio	Resp	Lower	Upper
240	100	128358		
120	10.7	9.5	14.3	
236	24.3	20.7	31.1	





#77

Pvrene

Concen: 57.734 ng

RT: 12.83 min Scan# 1826

Delta R.T. -0.00 min

Lab File: BF100911.D

Acq: 28 Nov 2017 00:39

Instrument :

BNA_F

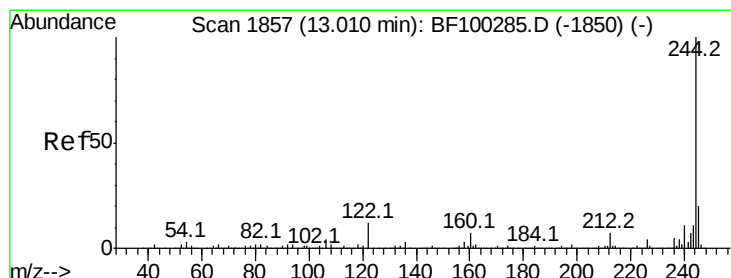
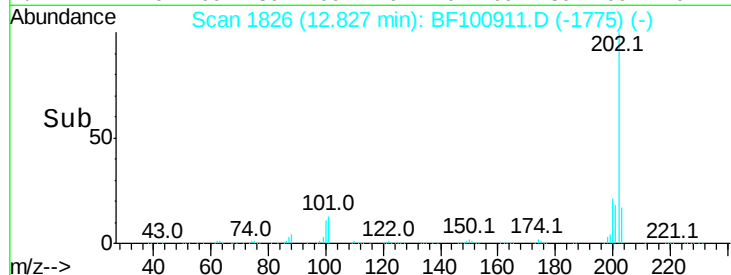
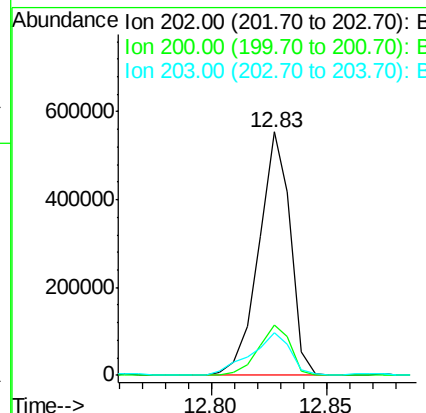
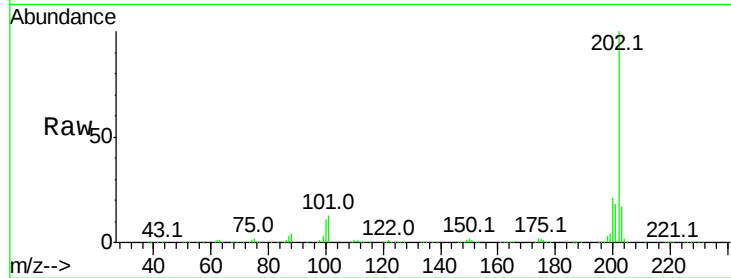
ClientSampleId :

SAU-3-E(7-8)

Tot Ion:	202	Resp:	528262
Ion Ratio	Lower	Upper	
202	100		
200	20.8	17.4	26.2
203	17.4	14.3	21.5

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#78

Terphenyl-d14

Concen: 13.133 ng

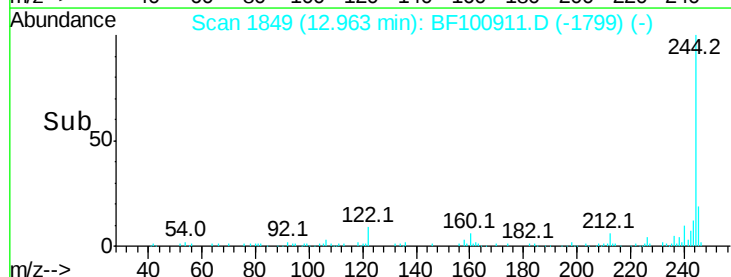
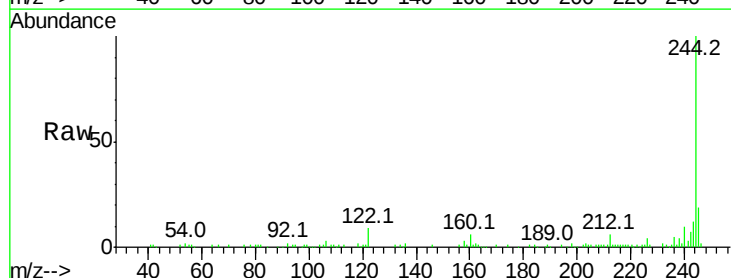
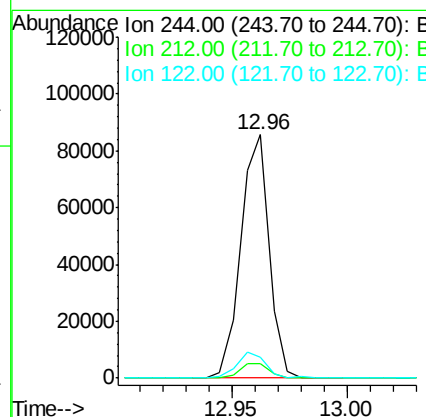
RT: 12.96 min Scan# 1849

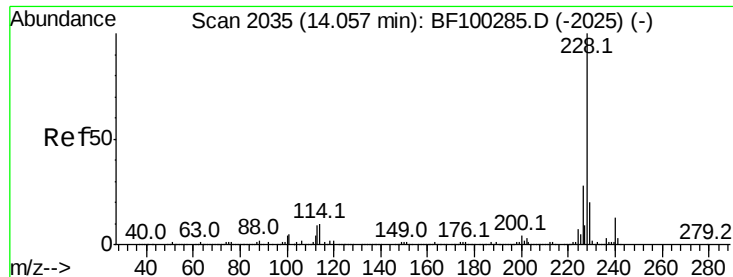
Delta R.T. -0.01 min

Lab File: BF100911.D

Acq: 28 Nov 2017 00:39

Tgt Ion:	244	Resp:	73364
Ion Ratio	Lower	Upper	
244	100		
212	5.9	5.4	8.0
122	8.5	11.0	16.4#





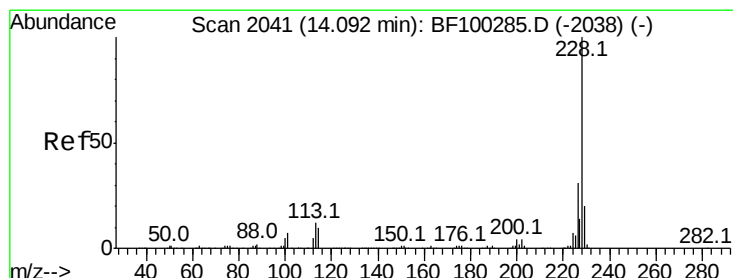
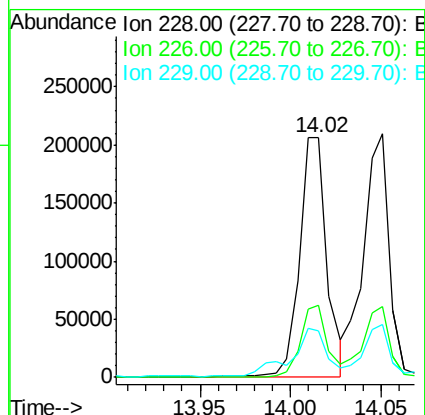
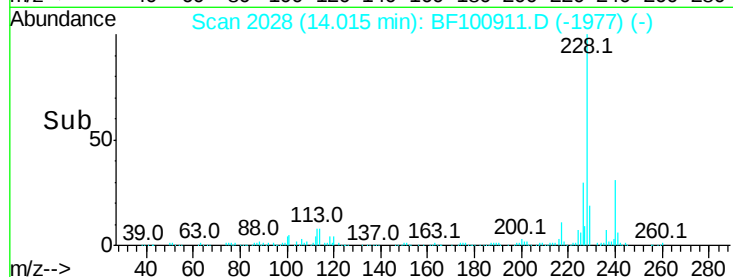
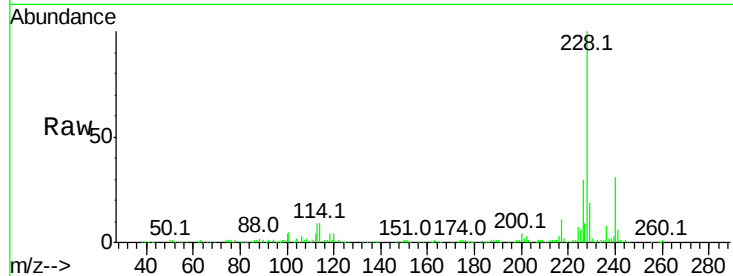
#80
Benzo(a)anthracene
Concen: 28.395 ng
RT: 14.02 min Scan# 2028
Delta R.T. -0.00 min
Lab File: BF100911.D
Acq: 28 Nov 2017 00:39

Instrument :
BNA_F
ClientSampled :
SAU-3-E(7-8)

Tot Ion	Ratio	Lower	Upper
228	100		
226	30.2	22.6	33.8
229	19.5	15.8	23.6

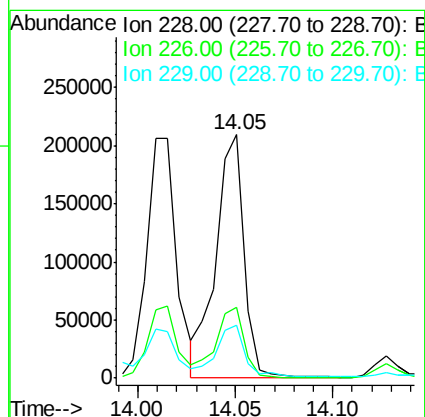
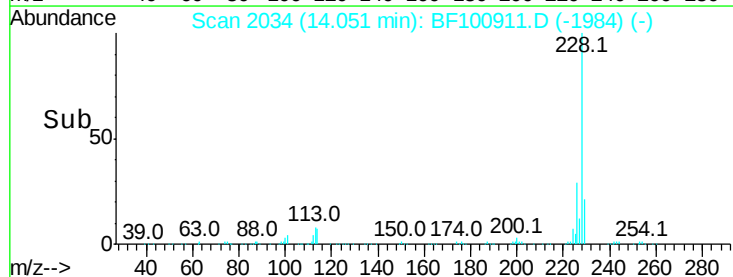
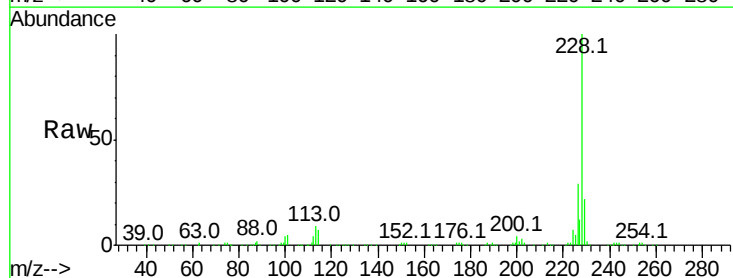
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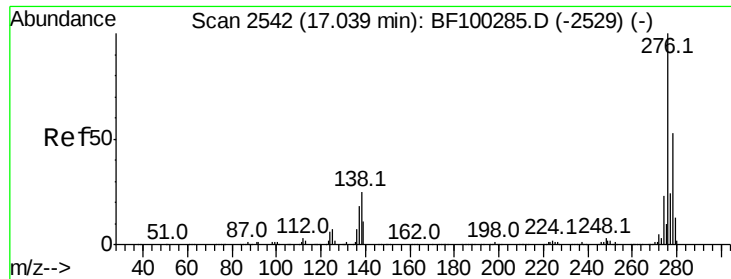
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#82
Chrysene
Concen: 27.973 ng
RT: 14.05 min Scan# 2034
Delta R.T. -0.01 min
Lab File: BF100911.D
Acq: 28 Nov 2017 00:39

Tgt Ion	Ratio	Lower	Upper
228	100		
226	29.3	25.0	37.6
229	21.7	16.2	24.4





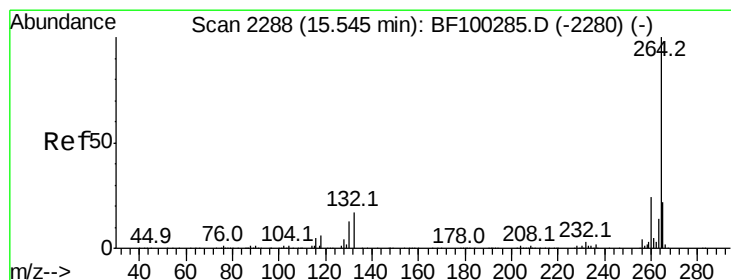
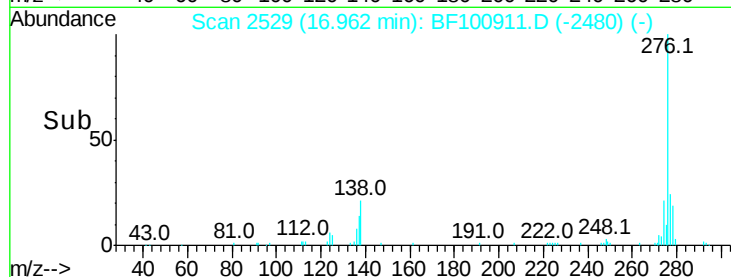
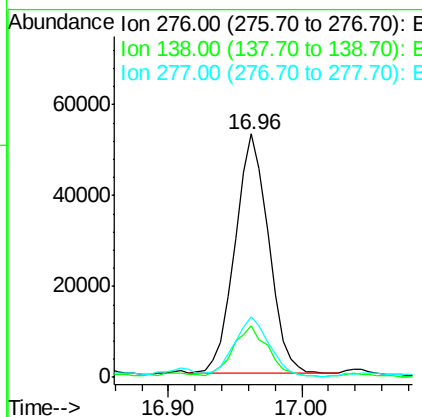
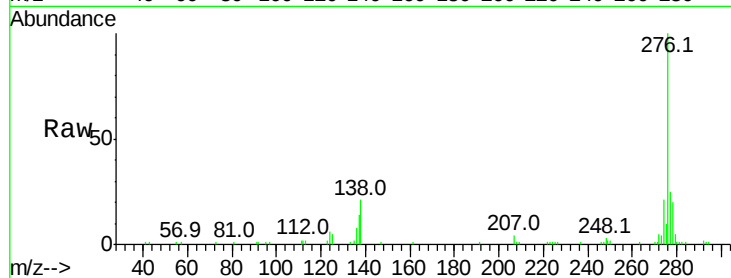
#85
Indeno(1,2,3-cd)pyrene
Concen: 15.206 ng
RT: 16.96 min Scan# 2529
Delta R.T. -0.01 min
Lab File: BF100911.D
Acq: 28 Nov 2017 00:39

Instrument :
BNA_F
ClientSampleId :
SAU-3-E(7-8)

Tot Ion	Ratio	Lower	Upper
276	100		
138	23.0	25.0	37.6#
277	27.1	20.1	30.1

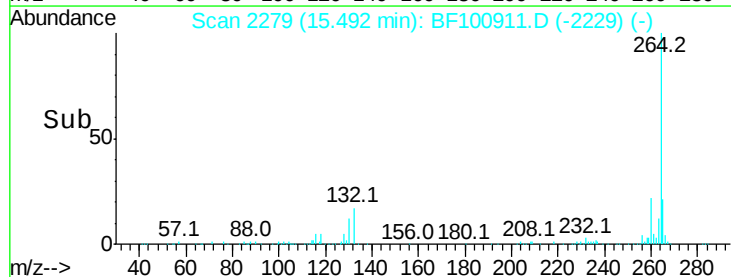
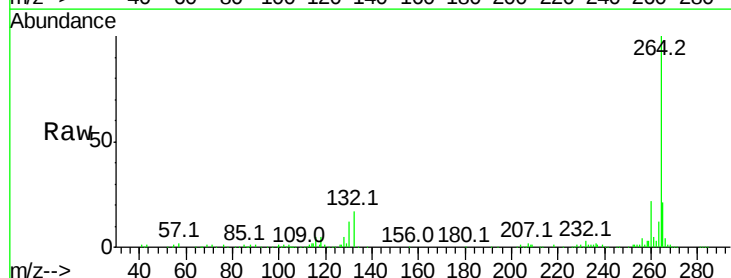
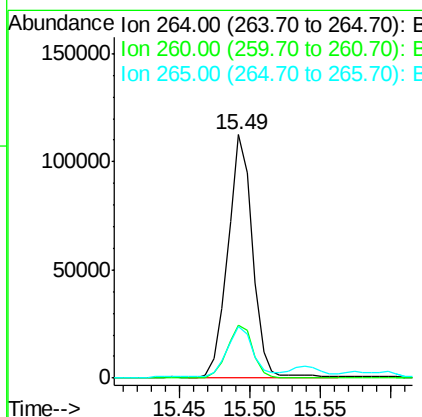
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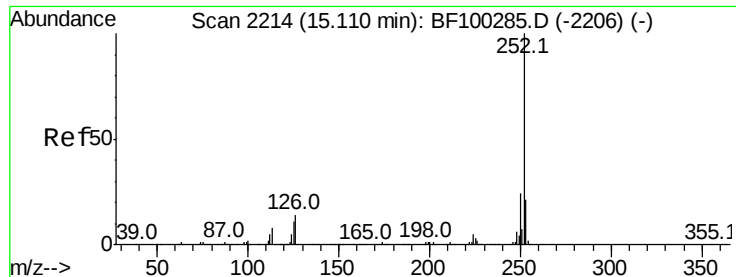
Sohil
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#86
Perylene-d12
Concen: 20.000 ng
RT: 15.49 min Scan# 2279
Delta R.T. -0.01 min
Lab File: BF100911.D
Acq: 28 Nov 2017 00:39

Tgt Ion	Ratio	Lower	Upper
264	100		
260	22.0	19.2	28.8
265	21.4	17.5	26.3





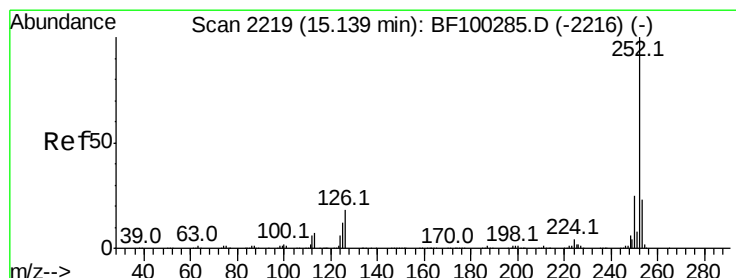
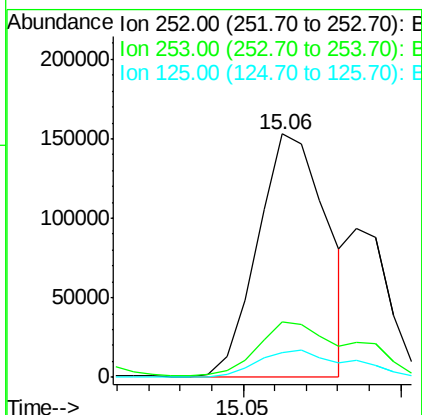
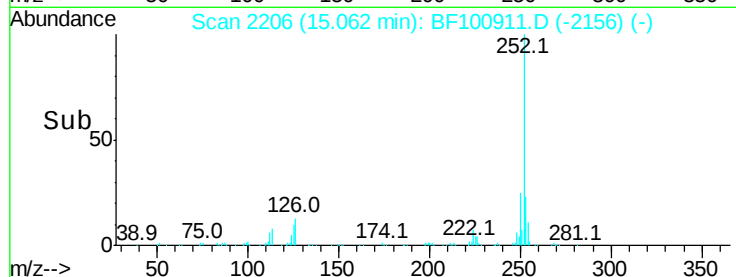
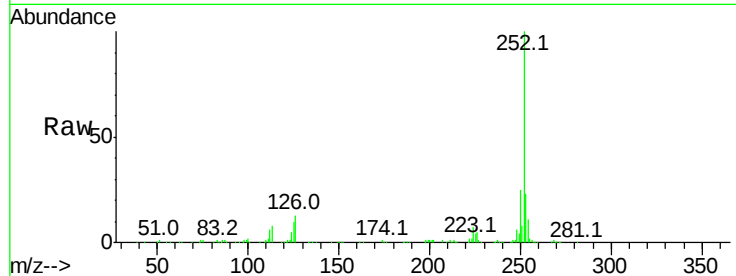
#87
Benzo(b)fluoranthene
Concen: 28.985 ng m
RT: 15.06 min Scan# 2206
Delta R.T. -0.01 min
Lab File: BF100911.D
Acq: 28 Nov 2017 00:39

Instrument :
BNA_F
ClientSampleId :
SAU-3-E(7-8)

Tot Ion	Ratio	Lower	Upper
252	100		
253	22.9	17.0	25.6
125	10.4	9.0	13.6

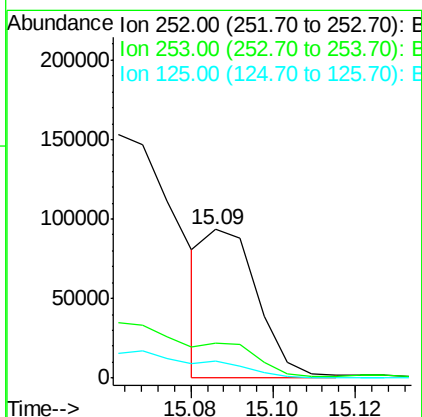
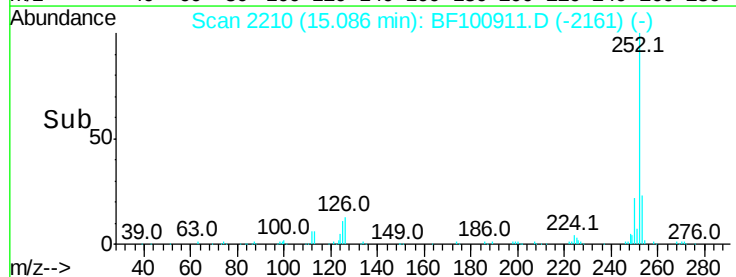
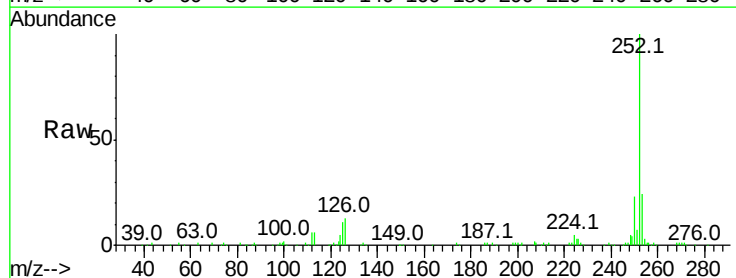
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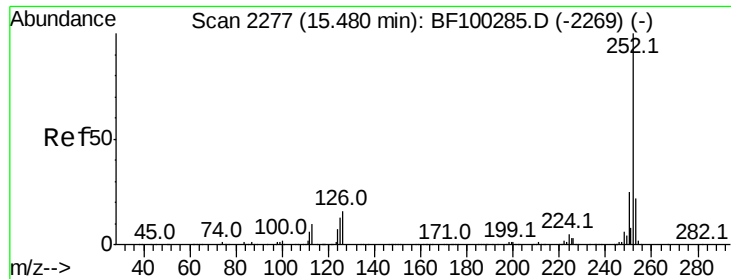
Sohil
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#88
Benzo(k)fluoranthene
Concen: 10.858 ng m
RT: 15.09 min Scan# 2210
Delta R.T. -0.01 min
Lab File: BF100911.D
Acq: 28 Nov 2017 00:39

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.7	17.9	26.9
125	11.2	10.2	15.2





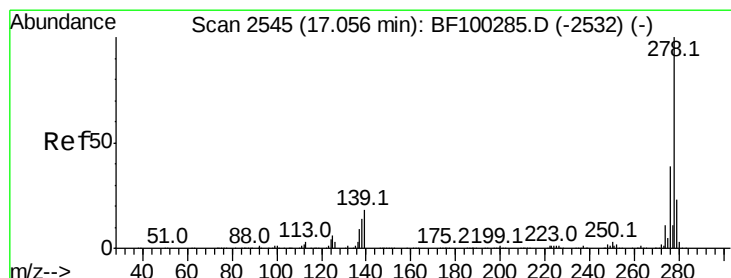
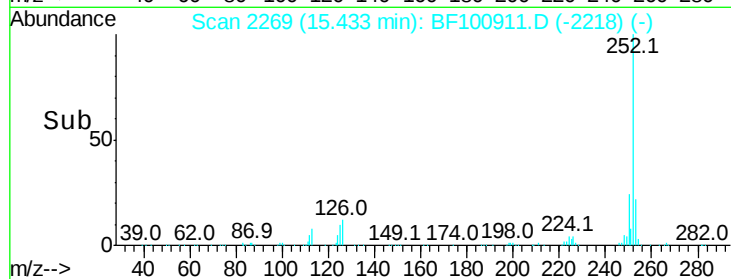
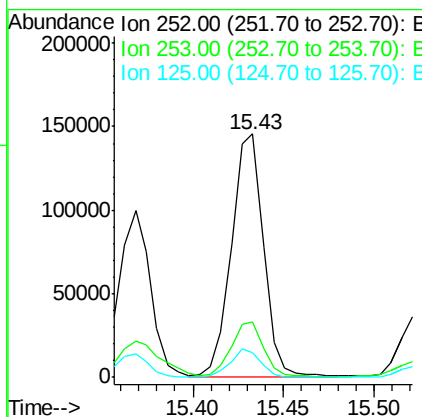
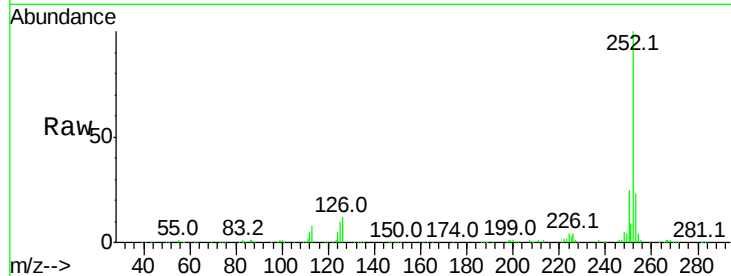
#89
Benzo(a)pyrene
Concen: 25.001 ng
RT: 15.43 min Scan# 2269
Delta R.T. -0.00 min
Lab File: BF100911.D
Acq: 28 Nov 2017 00:39

Instrument :
BNA_F
ClientSampled :
SAU-3-E(7-8)

Tot Ion	Ratio	Lower	Upper
252	100		
253	22.7	17.1	25.7
125	10.0	9.8	14.6

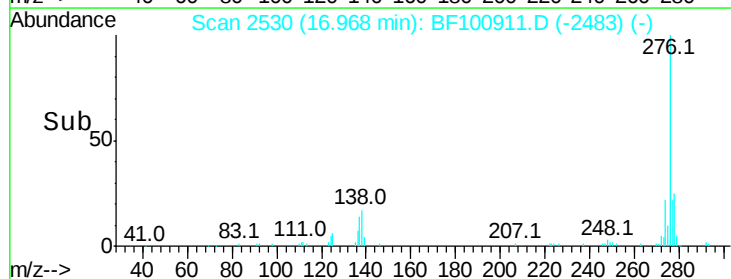
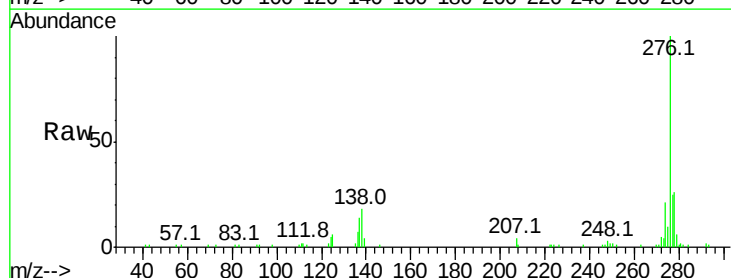
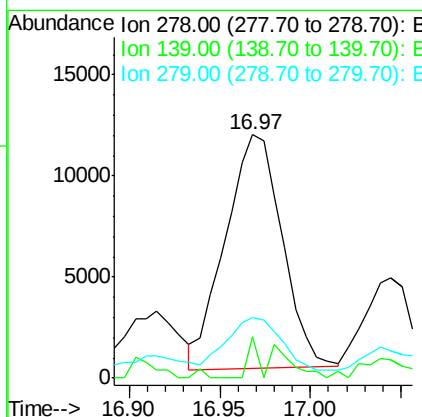
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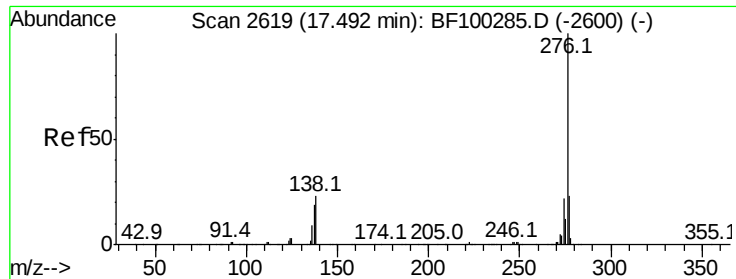
Sohil
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#90
Dibenzo(a,h)anthracene
Concen: 4.300 ng
RT: 16.97 min Scan# 2530
Delta R.T. -0.02 min
Lab File: BF100911.D
Acq: 28 Nov 2017 00:39

Tgt Ion	Ratio	Lower	Upper
278	100		
139	16.8	15.9	23.9
279	24.7	19.0	28.4





#91
 Benzo(a,h,i)perylene
 Concen: 15.605 ng
 RT: 17.41 min Scan# 2605
 Delta R.T. -0.02 min
 Lab File: BF100911.D
 Acq: 28 Nov 2017 00:39

Instrument :
 BNA_F
 ClientSampleId :
 SAU-3-E(7-8)

Tot Ion:	276	Resp:	89211
Ion Ratio	Lower	Upper	
276	100		
277	26.2	17.9	26.9
138	23.1	21.8	32.8

Manual Integrations
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