

Data Path : Z:\HPCHEM1\BNA F\DATA\BF112717\
 Data File : BF100897.D
 Acq On : 27 Nov 2017 17:35
 Operator : SJ/JU
 Sample : I6548-05
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SAU-2-E(0-1)

Manual Integrations
 APPROVED

Sohil
 11/28/2017 2:45:39 PM

Quant Time: Nov 28 06:45:41 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	74883	20.00	ng	0.00
21) Naphthalene-d8	8.14	136	283891	20.00	ng	0.00
38) Acenaphthene-d10	9.89	164	124312	20.00	ng	0.00
63) Phenanthrene-d10	11.38	188	198474	20.00	ng	0.00
75) Chrysene-d12	14.02	240	151934	20.00	ng	0.00
86) Perylene-d12	15.49	264	157105	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.49	112	423964	90.76	ng	0.01
7) Phenol-d6	6.49	99	506759	87.97	ng	0.00
23) Nitrobenzene-d5	7.42	82	322145	75.02	ng	0.00
41) 2,4,6-Tribromophenol	10.69	330	117369	92.65	ng	0.00
44) 2-Fluorobiphenyl	9.22	172	624492	76.49	ng	0.00
78) Terphenyl-d14	12.96	244	419456	63.43	ng	0.00
Target Compounds						
10) Phenol	6.50	94	18551	3.068	ng	95
49) Dimethylphthalate	9.60	163	66439	7.000	ng	99
70) Phenanthrene	11.40	178	218684	20.927	ng	97
71) Anthracene	11.46	178	50323	4.747	ng	96
74) Fluoranthene	12.60	202	368786	33.299	ng	93
77) Pyrene	12.83	202	347151	32.053	ng	98
80) Benzo(a)anthracene	14.01	228	194830	21.294	ng	98
82) Chrysene	14.04	228	177655	20.051	ng	96
85) Indeno(1,2,3-cd)pyrene	16.96	276	82087	11.454	ng	# 92
87) Benzo(b)fluoranthene	15.06	252	230726m	24.789	ng	
88) Benzo(k)fluoranthene	15.09	252	76741m	8.726	ng	
89) Benzo(a)pyrene	15.43	252	165927	20.109	ng	97
90) Dibenzo(a,h)anthracene	16.97	278	21264m	3.151	ng	
91) Benzo(g,h,i)perylene	17.41	276	80086	12.124	ng	95

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

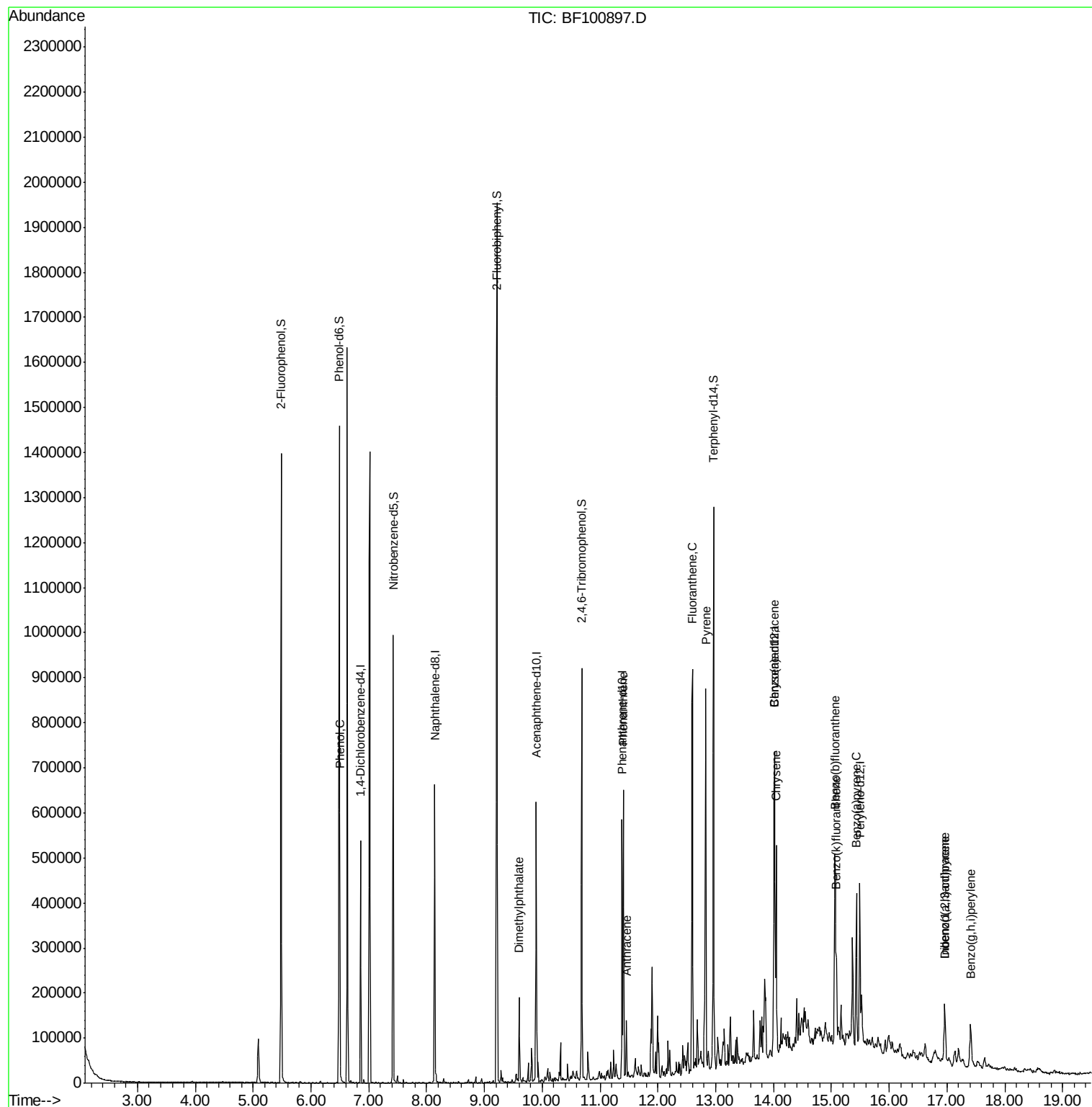
Data Path : Z:\HPCHEM1\BNA F\DATA\BF112717\
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ALS Vial : 19 Sample Multiplier: 1

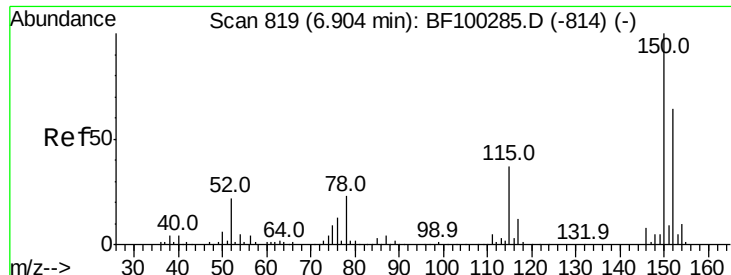
Instrument :
BNA_F
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SAU-2-E(0-1)

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#1

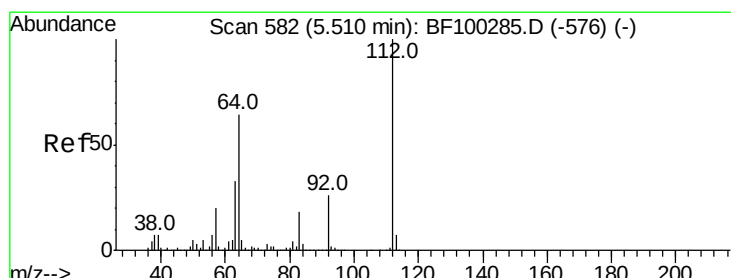
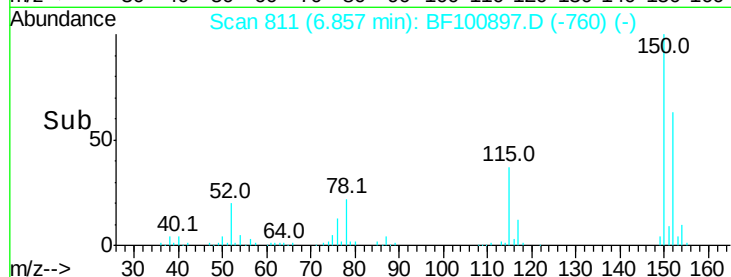
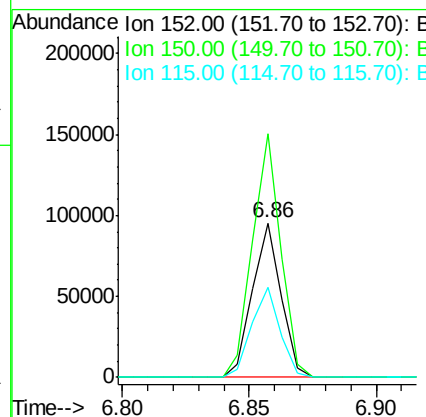
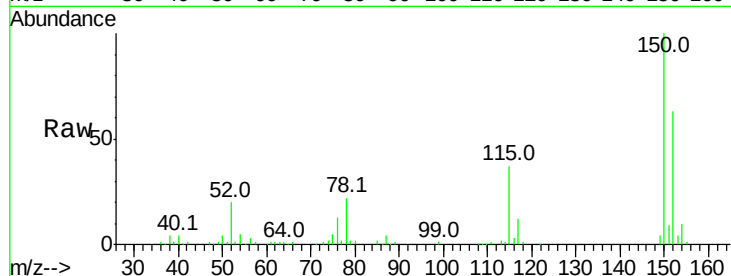
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.86 min Scan# 811
Delta R.T. -0.00 min
Lab File: BF100897.D
Acq: 27 Nov 2017 17:35

Instrument :
BNA_F
ClientSampleId :
SAU-2-E(0-1)

Tot Ion	Ratio	Lower	Upper
152	100		
150	157.9	124.6	186.8
115	58.3	50.1	75.1

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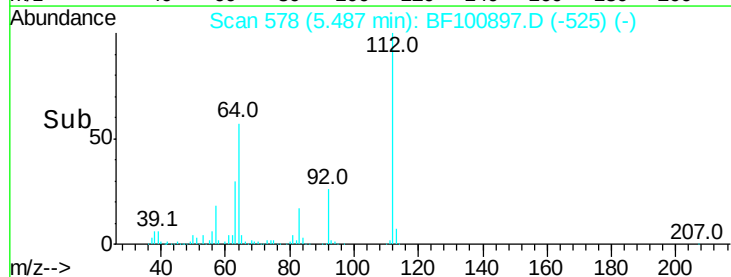
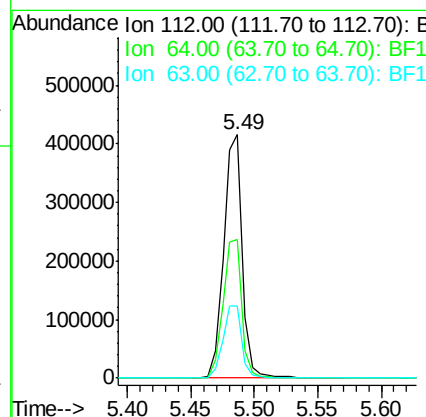
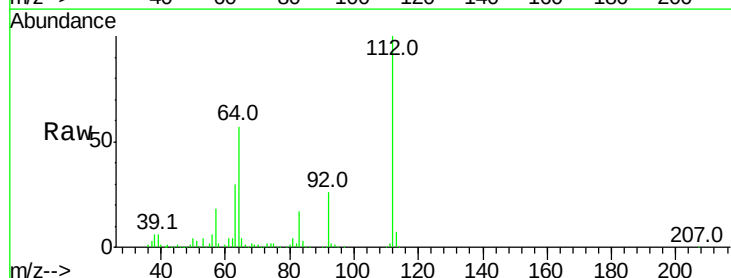
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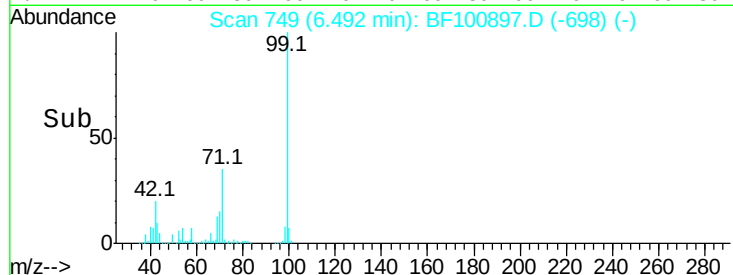
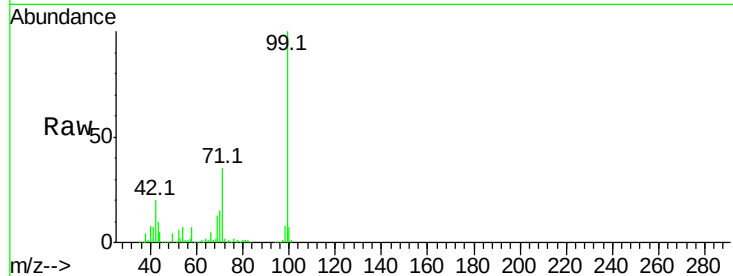
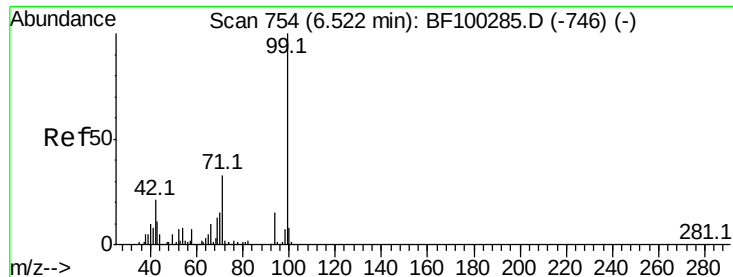


#5

2-Fluorophenol
Concen: 90.756 ng
RT: 5.49 min Scan# 578
Delta R.T. 0.01 min
Lab File: BF100897.D
Acq: 27 Nov 2017 17:35

Tgt Ion	Ratio	Lower	Upper
112	100		
64	56.7	47.9	71.9
63	29.8	23.7	35.5





#7

Phenol-d6

Concen: 87.971 ng

RT: 6.49 min Scan# 749

Delta R.T. -0.00 min

Lab File: BF100897.D

Acq: 27 Nov 2017 17:35

Instrument :

BNA_F

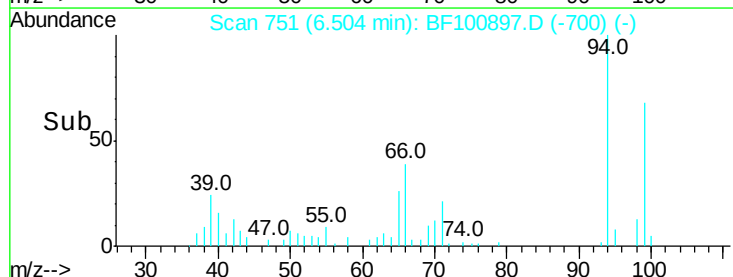
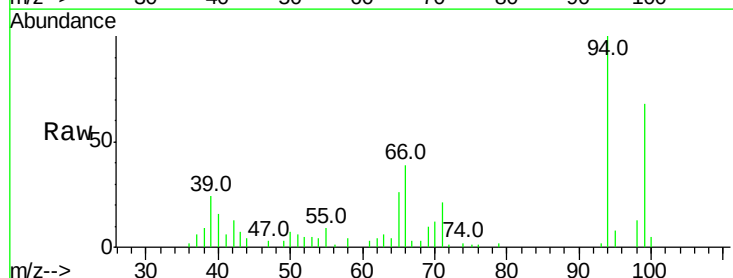
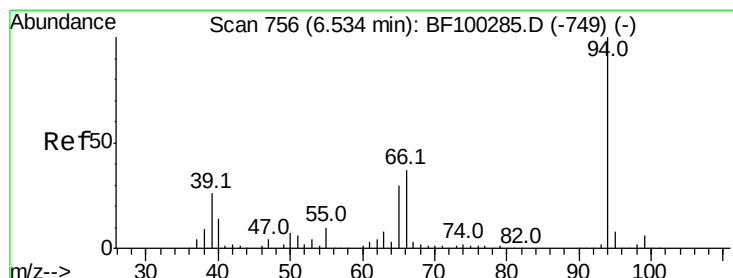
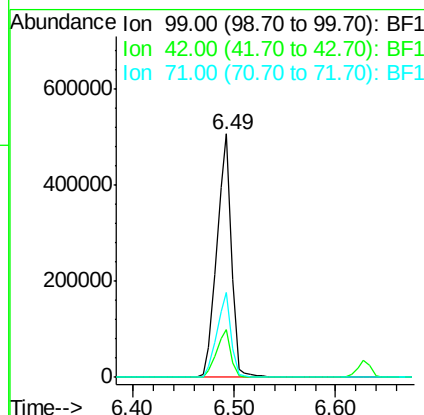
ClientSampleId :

SAU-2-E(0-1)

Tot Ion:	99	Resp:	506759
Ion	Ratio	Lower	Upper
99	100		
42	19.9	14.5	21.7
71	34.9	25.4	38.0

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#10

Phenol

Concen: 3.068 ng

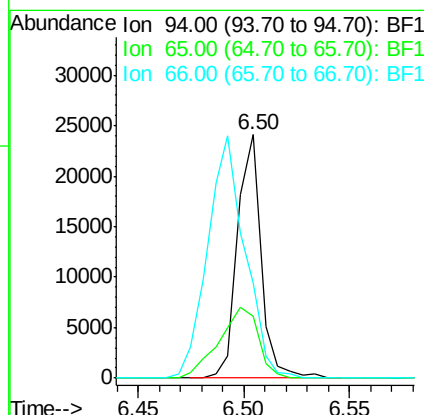
RT: 6.50 min Scan# 751

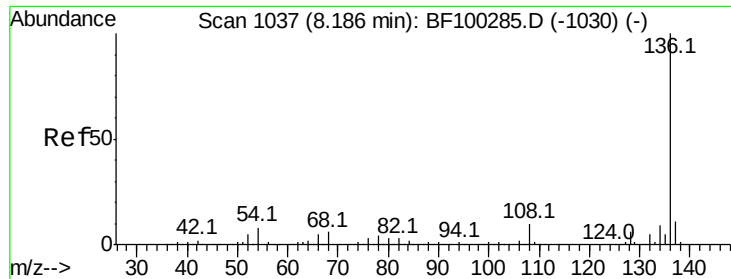
Delta R.T. -0.00 min

Lab File: BF100897.D

Acq: 27 Nov 2017 17:35

Tgt Ion:	94	Resp:	18551
Ion	Ratio	Lower	Upper
94	100		
65	25.6	7.9	47.9
66	39.2	16.2	56.2





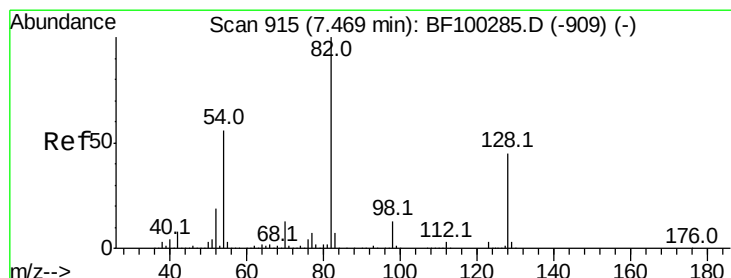
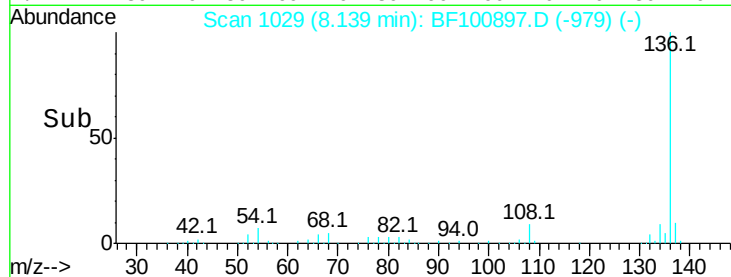
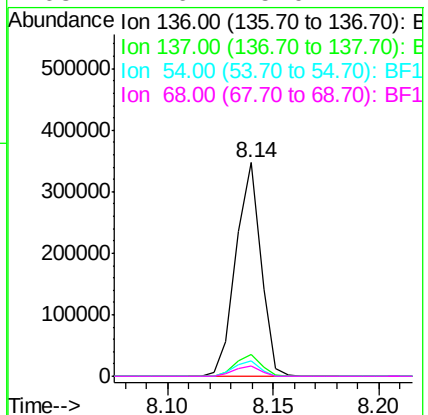
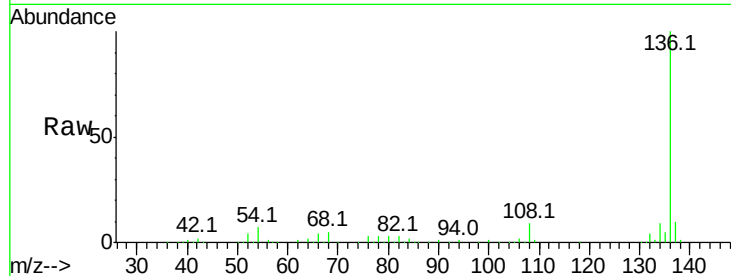
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.14 min Scan# 1029
Delta R.T. -0.01 min
Lab File: BF100897.D
Acq: 27 Nov 2017 17:35

Instrument :
BNA_F
ClientSampleId :
SAU-2-E(0-1)

Tot Ion	136	Resp	283891
Ion Ratio	Lower	Upper	
136	100		
137	10.4	8.9	13.3
54	7.4	6.6	9.8
68	4.6	5.0	7.4#

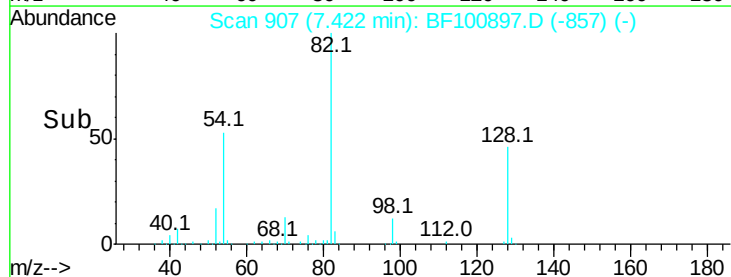
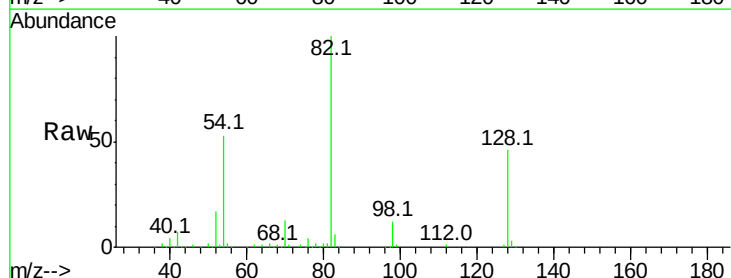
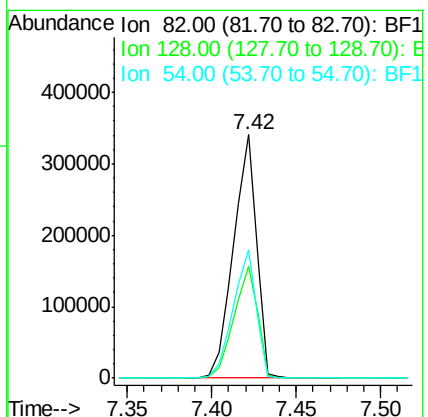
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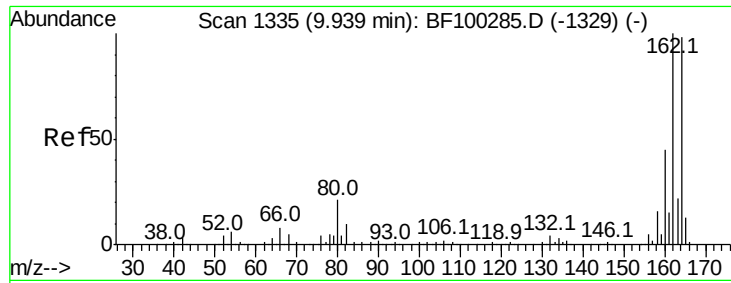
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#23
Nitrobenzene-d5
Concen: 75.022 ng
RT: 7.42 min Scan# 907
Delta R.T. -0.01 min
Lab File: BF100897.D
Acq: 27 Nov 2017 17:35

Tgt Ion	82	Resp	322145
Ion Ratio	Lower	Upper	
82	100		
128	46.0	36.1	54.1
54	52.6	41.4	62.2





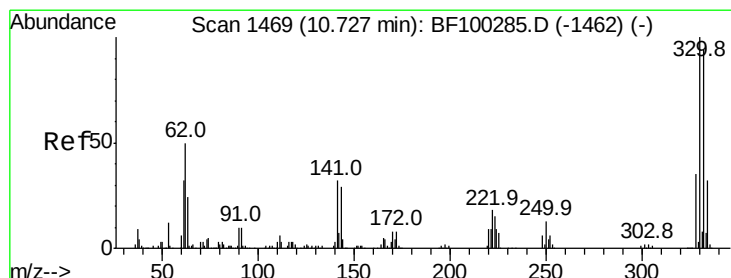
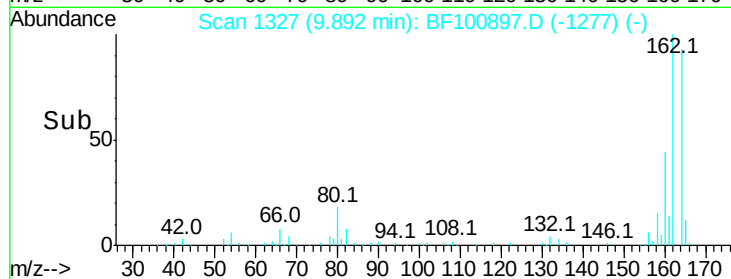
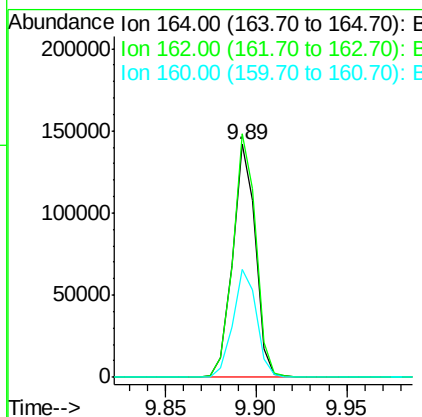
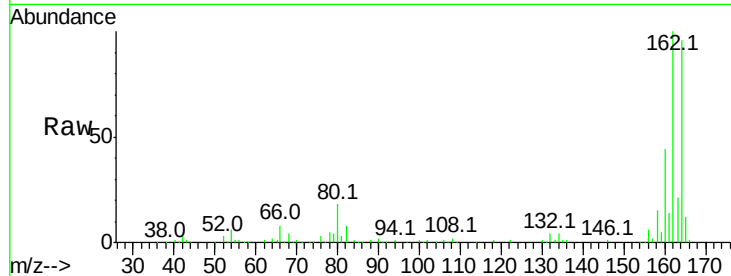
#38
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.89 min Scan# 1327
 Delta R.T. -0.01 min
 Lab File: BF100897.D
 Acq: 27 Nov 2017 17:35

Instrument :
 BNA_F
 ClientSampleId :
 SAU-2-E(0-1)

Tot Ion	Ratio	Resp	Lower	Upper
164	100	124312		
162	104.5	86.1	129.1	
160	46.1	38.3	57.5	

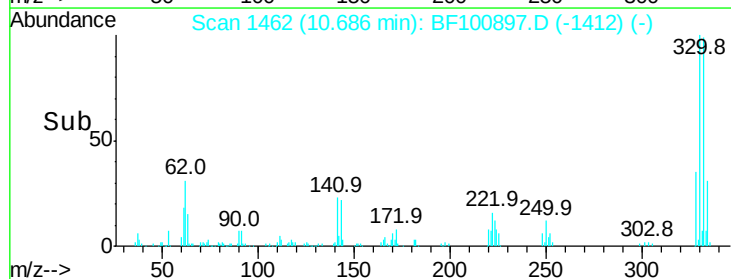
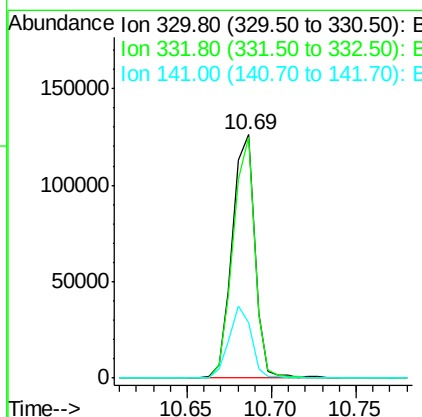
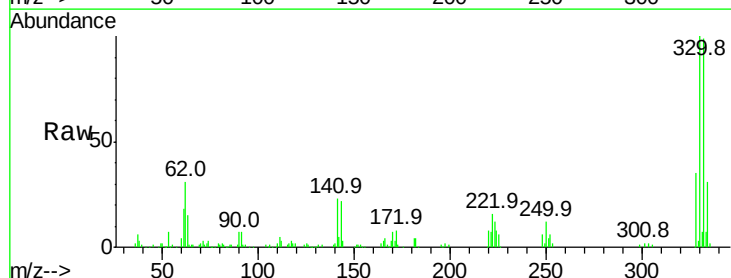
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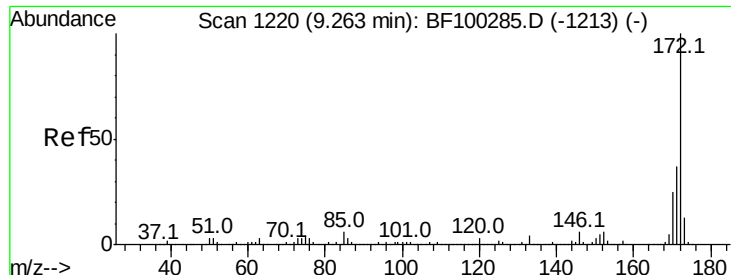
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#41
 2,4,6-Tribromophenol
 Concen: 92.654 ng
 RT: 10.69 min Scan# 1462
 Delta R.T. -0.01 min
 Lab File: BF100897.D
 Acq: 27 Nov 2017 17:35

Tgt Ion	Ratio	Resp	Lower	Upper
330	100	117369		
332	95.5	77.0	115.6	
141	29.2	29.9	44.9#	





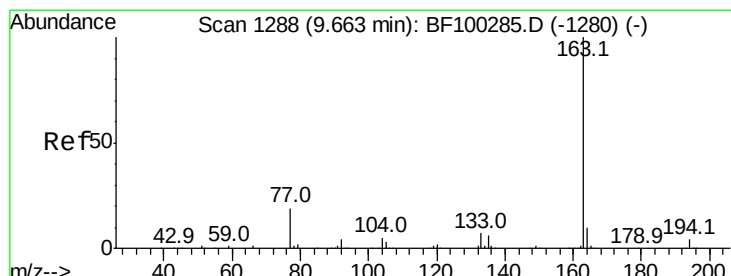
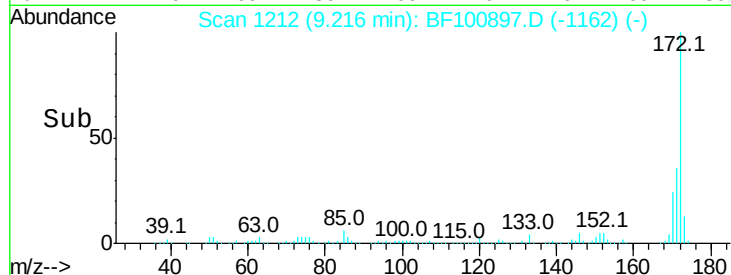
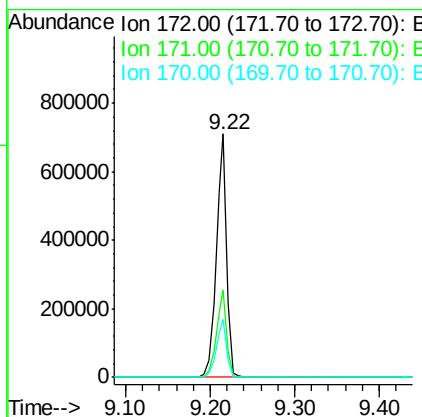
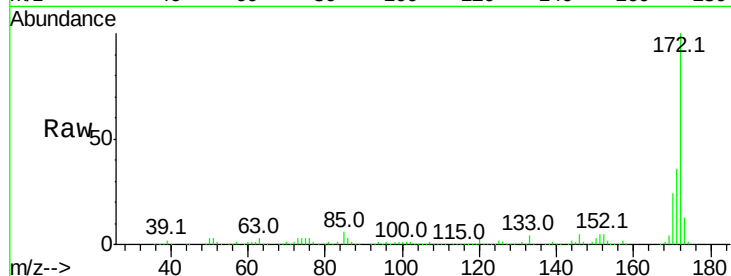
#44
2-Fluorobiphenyl
Concen: 76.495 ng
RT: 9.22 min Scan# 1212
Delta R.T. -0.01 min
Lab File: BF100897.D
Acq: 27 Nov 2017 17:35

Instrument :
BNA_F
ClientSampleId :
SAU-2-E(0-1)

Tot Ion	Ratio	Lower	Upper
172	100		
171	35.7	29.7	44.5
170	24.0	19.6	29.4

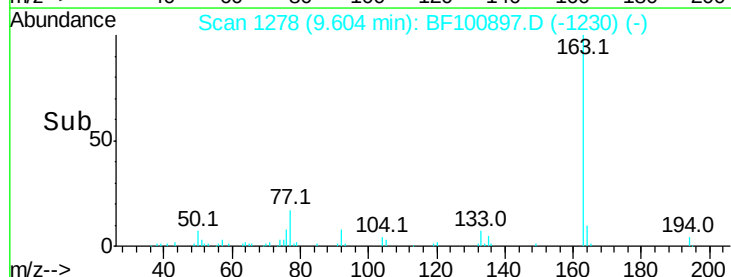
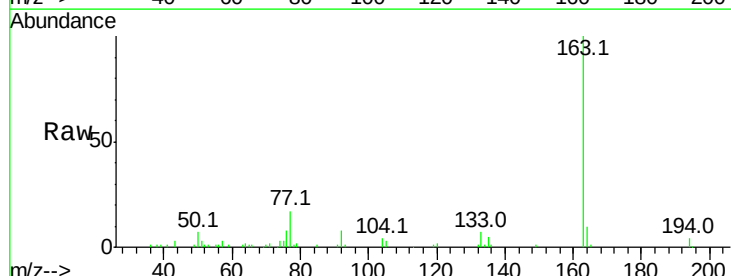
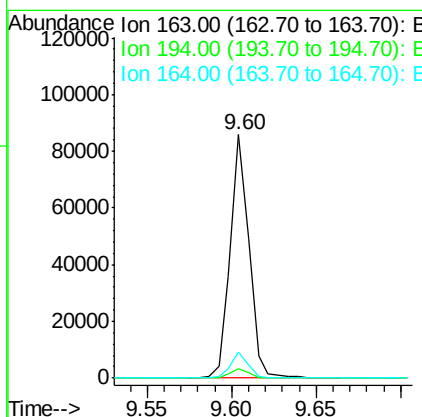
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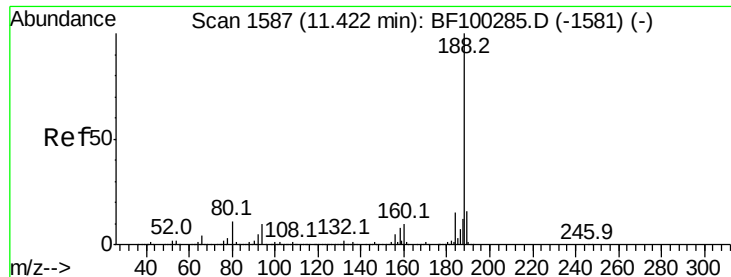
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#49
Dimethylphthalate
Concen: 7.000 ng
RT: 9.60 min Scan# 1278
Delta R.T. -0.02 min
Lab File: BF100897.D
Acq: 27 Nov 2017 17:35

Tgt Ion	Ratio	Lower	Upper
163	100		
194	4.0	2.7	4.1
164	10.5	8.2	12.2





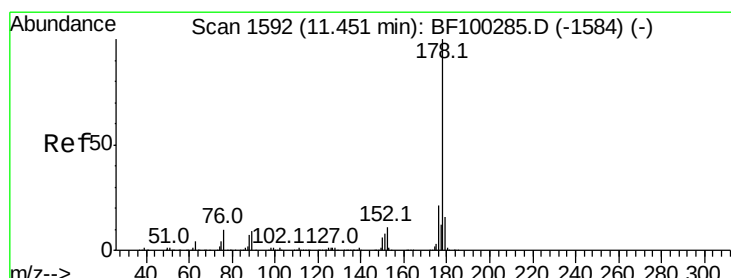
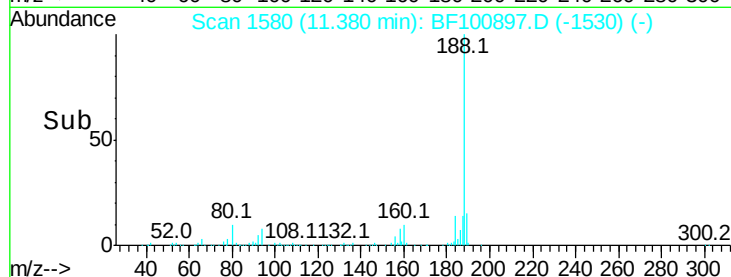
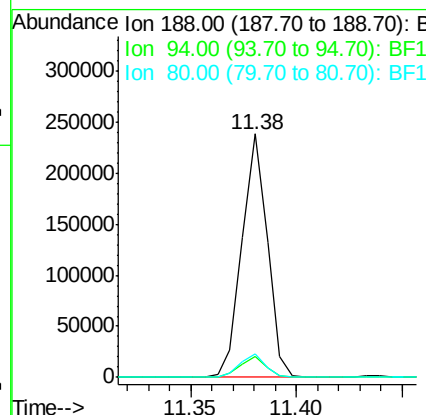
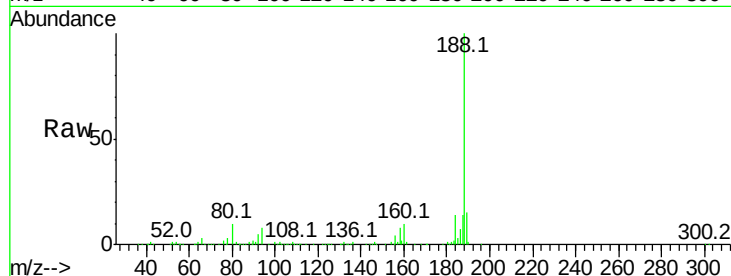
#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.38 min Scan# 1580
Delta R.T. -0.01 min
Lab File: BF100897.D
Acq: 27 Nov 2017 17:35

Instrument :
BNA_F
ClientSampleId :
SAU-2-E(0-1)

Tot Ion	Ratio	Resp Lower	Upper
188	100		
94	8.4	8.5	12.7#
80	9.5	9.2	13.8

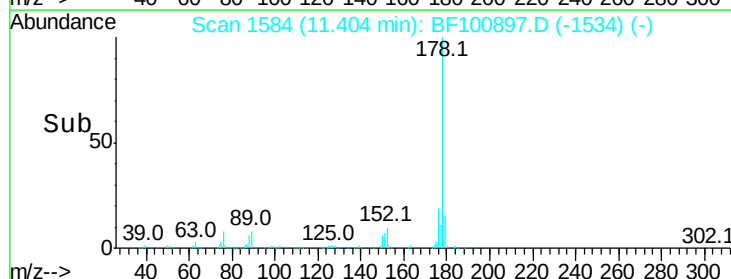
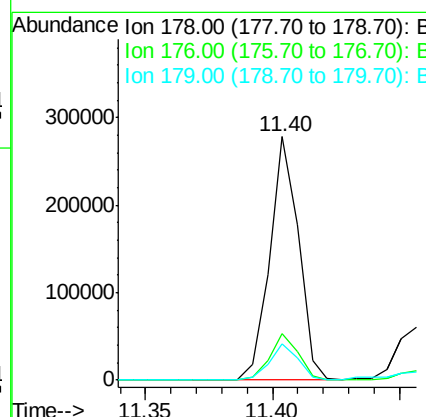
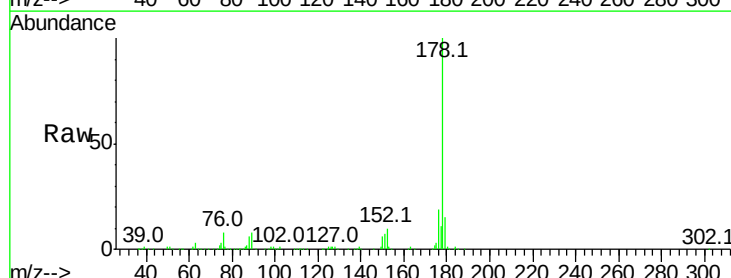
Manual Integrations
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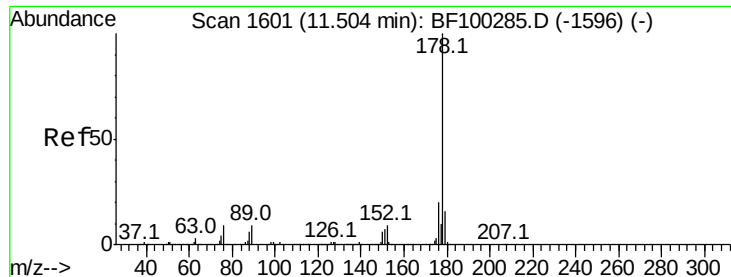
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#70
Phenanthrene
Concen: 20.927 ng
RT: 11.40 min Scan# 1584
Delta R.T. -0.01 min
Lab File: BF100897.D
Acq: 27 Nov 2017 17:35

Tgt Ion	Ratio	Resp Lower	Upper
178	100		
176	19.0	15.8	23.8
179	14.8	13.0	19.6





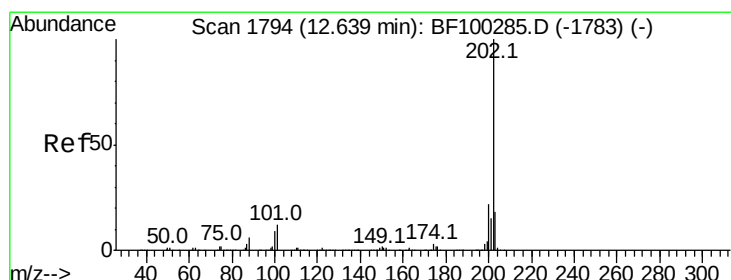
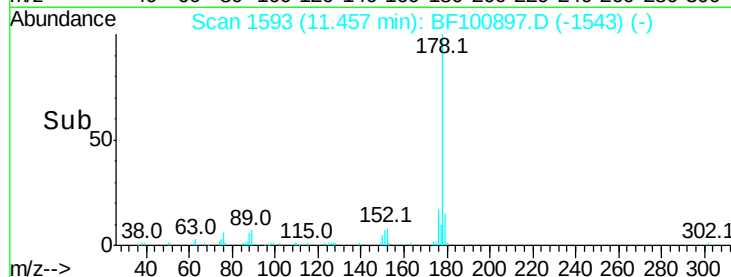
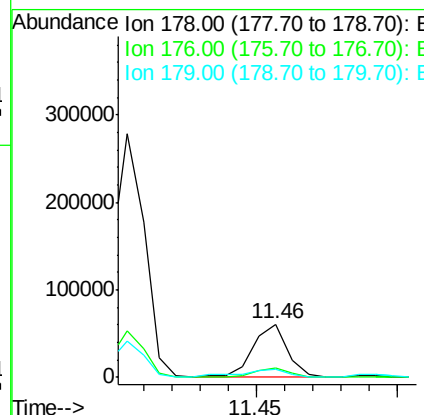
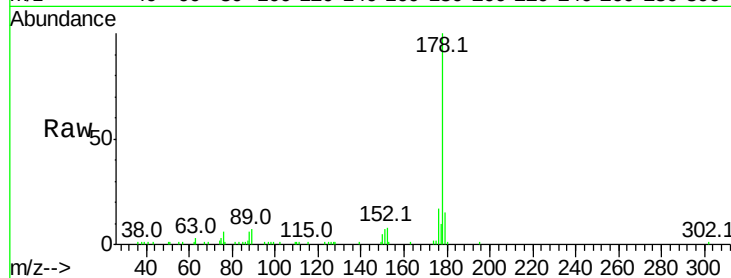
#71
 Anthracene
 Concen: 4.747 ng
 RT: 11.46 min Scan# 1593
 Delta R.T. -0.01 min
 Lab File: BF100897.D
 Acq: 27 Nov 2017 17:35

Instrument :
 BNA_F
 ClientSampleId :
 SAU-2-E(0-1)

Tot Ion	Ratio	Lower	Upper
178	100		
176	16.9	15.4	23.2
179	15.1	12.6	19.0

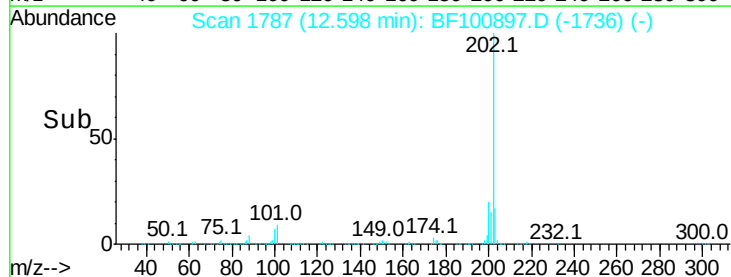
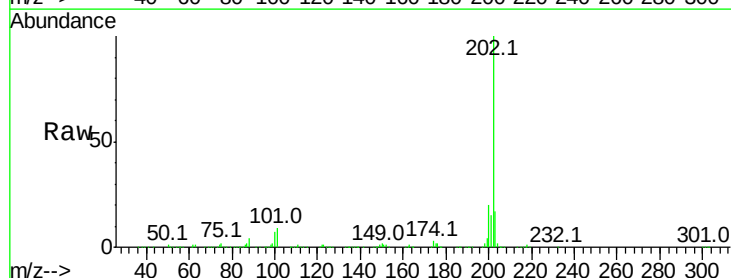
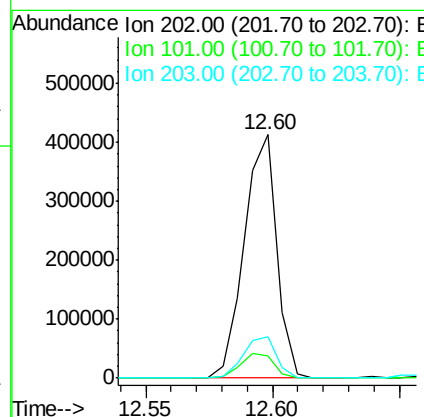
Manual Integrations
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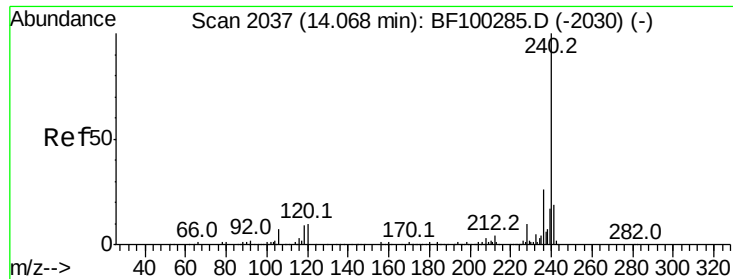
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#74
 Fluoranthene
 Concen: 33.299 ng
 RT: 12.60 min Scan# 1787
 Delta R.T. -0.00 min
 Lab File: BF100897.D
 Acq: 27 Nov 2017 17:35

Tgt Ion	Ratio	Lower	Upper
202	100		
101	9.2	0.0	34.1
203	16.9	0.0	38.1





#75

Chrysene-d12

Concen: 20.000 ng

RT: 14.02 min Scan# 2029

Delta R.T. -0.01 min

Lab File: BF100897.D

Acq: 27 Nov 2017 17:35

Instrument :

BNA_F

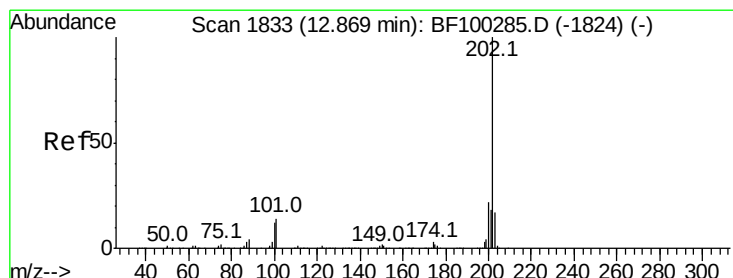
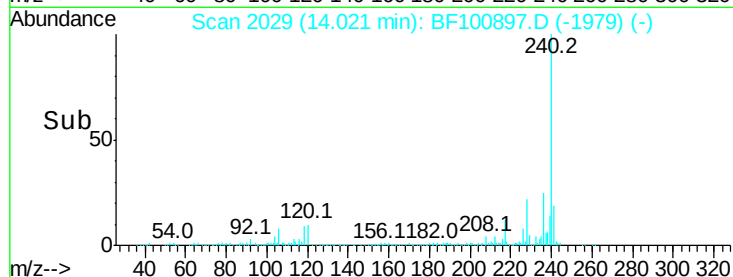
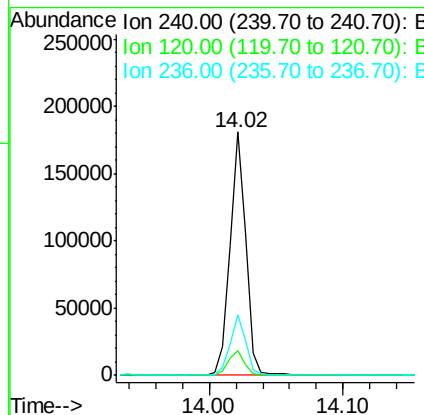
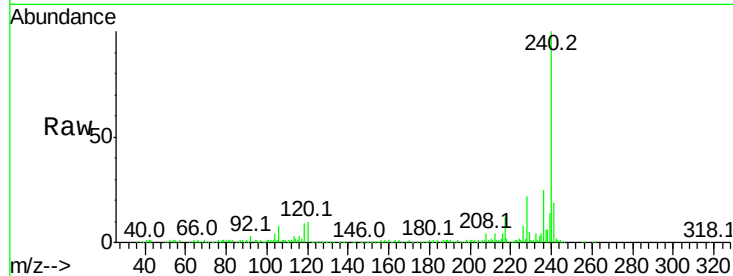
ClientSampleId :

SAU-2-E(0-1)

Tot Ion:	240	Resp:	151934
Ion Ratio	Lower	Upper	
240	100		
120	10.0	9.5	14.3
236	24.8	20.7	31.1

Manual Integrations
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#77

Pyrene

Concen: 32.053 ng

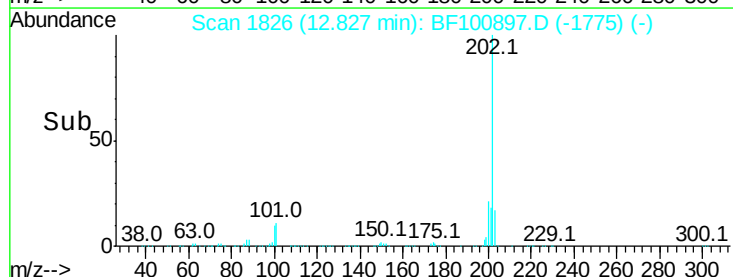
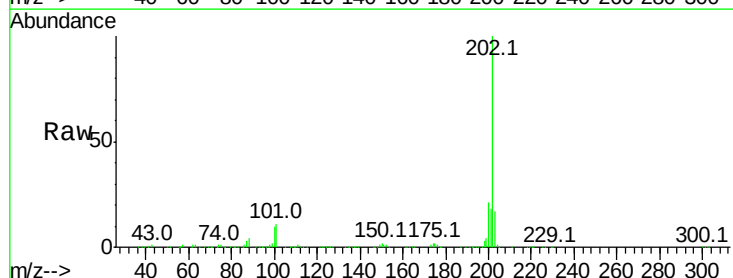
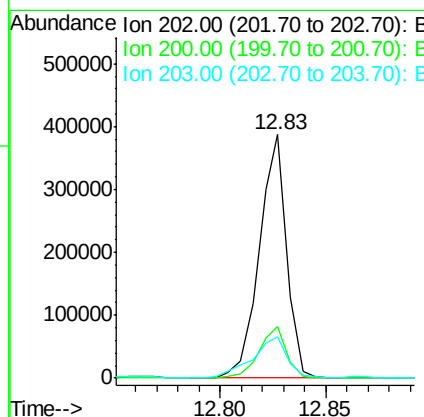
RT: 12.83 min Scan# 1826

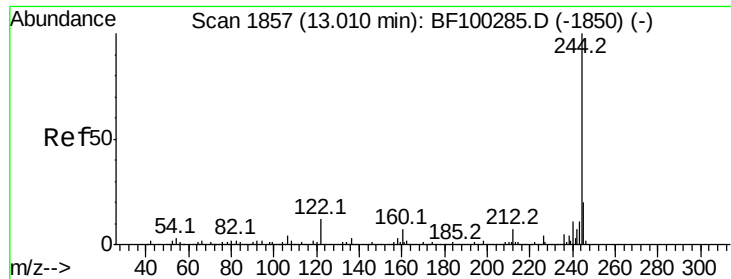
Delta R.T. -0.00 min

Lab File: BF100897.D

Acq: 27 Nov 2017 17:35

Tgt Ion:	202	Resp:	347151
Ion Ratio	Lower	Upper	
202	100		
200	21.0	17.4	26.2
203	17.0	14.3	21.5





#78

Terphenyl-d14

Concen: 63.435 ng

RT: 12.96 min Scan# 1849

Delta R.T. -0.01 min

Lab File: BF100897.D

Acq: 27 Nov 2017 17:35

Instrument :

BNA_F

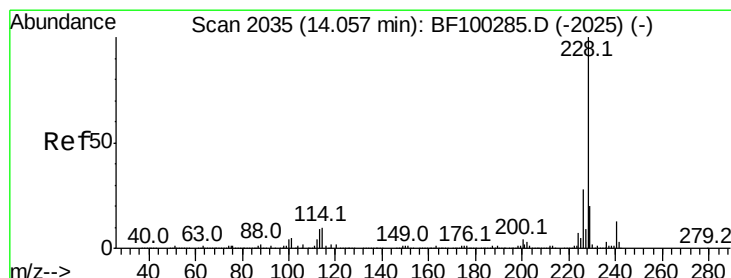
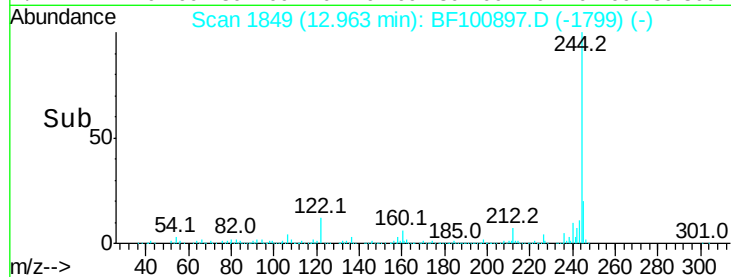
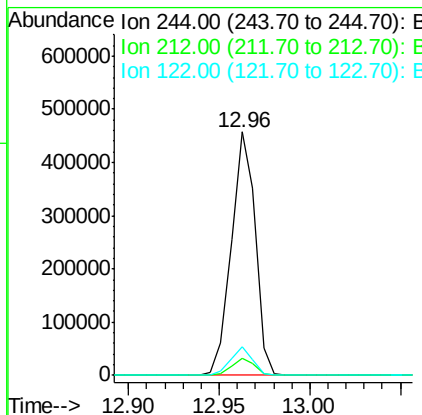
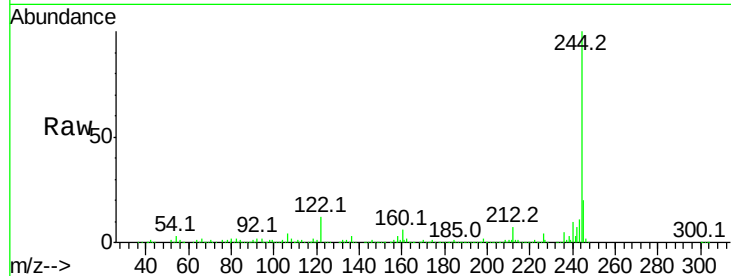
ClientSampleId :

SAU-2-E(0-1)

Tot Ion:	244	Resp:	419456
Ion Ratio		Lower	Upper
244	100		
212	6.9	5.4	8.0
122	11.9	11.0	16.4

Manual Integrations
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#80

Benzo(a)anthracene

Concen: 21.294 ng

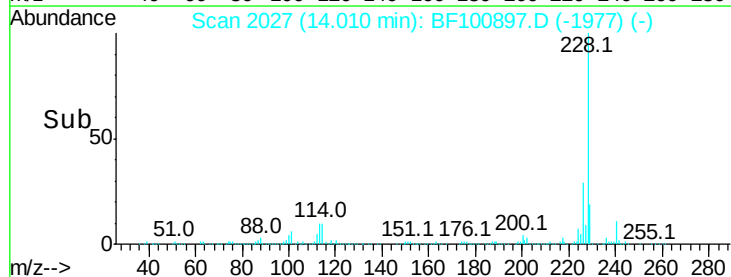
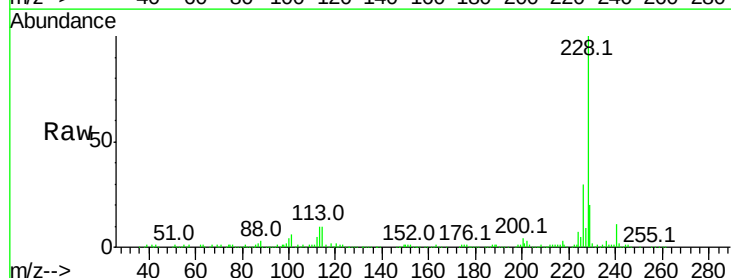
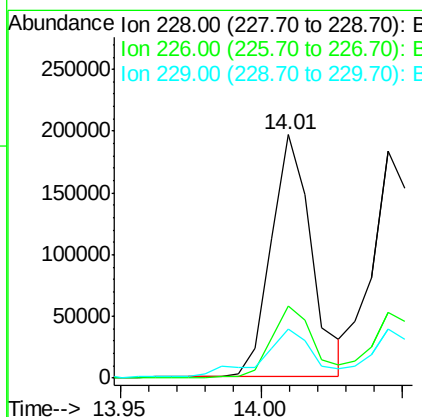
RT: 14.01 min Scan# 2027

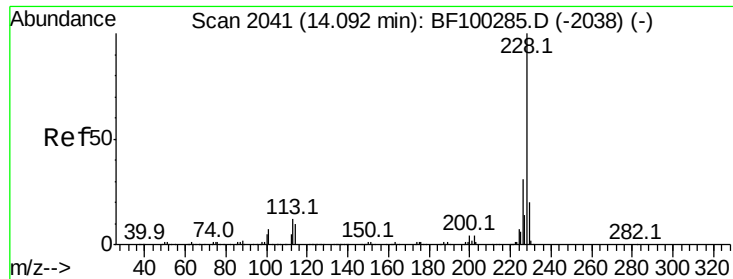
Delta R.T. -0.01 min

Lab File: BF100897.D

Acq: 27 Nov 2017 17:35

Tgt Ion:	228	Resp:	194830
Ion Ratio		Lower	Upper
228	100		
226	29.6	22.6	33.8
229	20.0	15.8	23.6





#82

Chrysene

Concen: 20.051 ng

RT: 14.04 min Scan# 2033

Delta R.T. -0.01 min

Lab File: BF100897.D

Acq: 27 Nov 2017 17:35

Instrument :

BNA_F

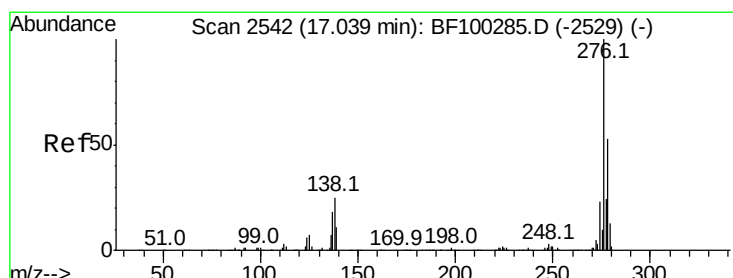
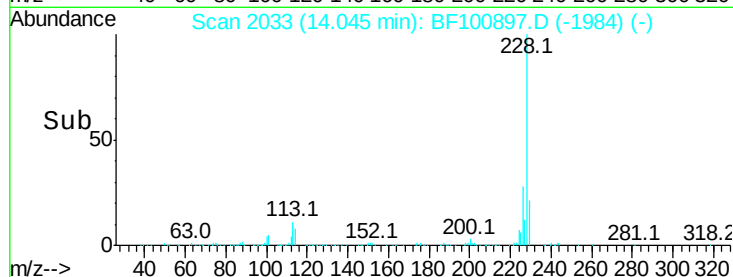
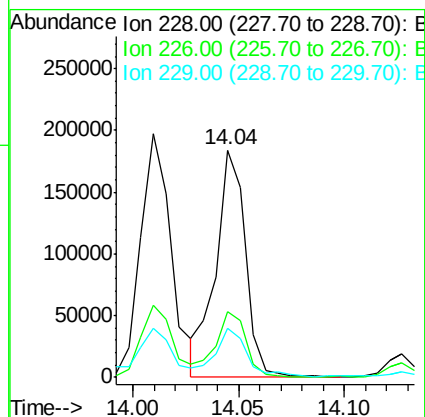
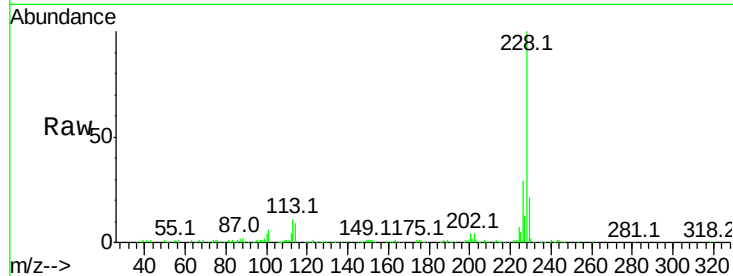
ClientSampled :

SAU-2-E(0-1)

Tot Ion:	228	Resp:	177655
Ion Ratio	Lower	Upper	
228	100		
226	28.7	25.0	37.6
229	21.4	16.2	24.4

Manual Integrations
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#85

Indeno(1,2,3-cd)pyrene

Concen: 11.454 ng

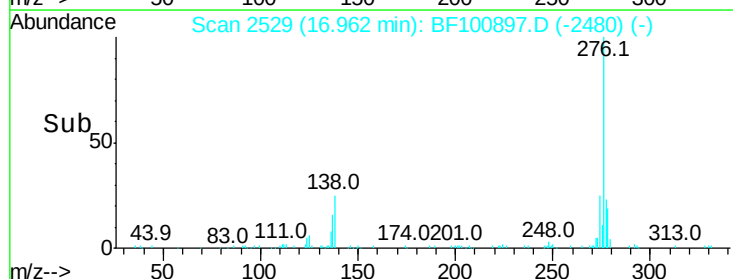
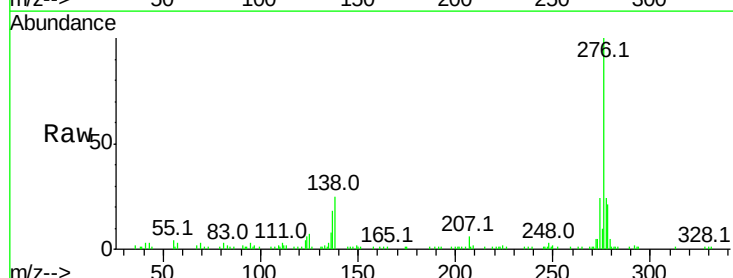
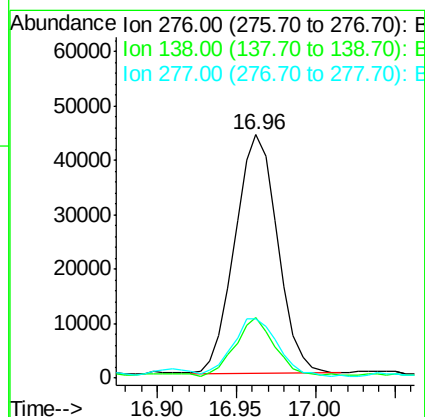
RT: 16.96 min Scan# 2529

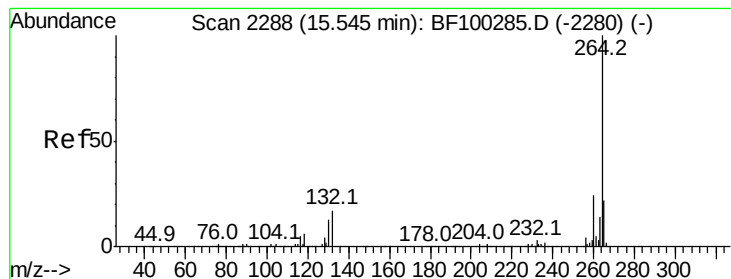
Delta R.T. -0.01 min

Lab File: BF100897.D

Acq: 27 Nov 2017 17:35

Tgt Ion:	276	Resp:	82087
Ion Ratio	Lower	Upper	
276	100		
138	23.4	25.0	37.6#
277	25.5	20.1	30.1





#86

Pervlene-d12

Concen: 20.000 ng

RT: 15.49 min Scan# 2279

Delta R.T. -0.01 min

Lab File: BF100897.D

Acq: 27 Nov 2017 17:35

Instrument :

BNA_F

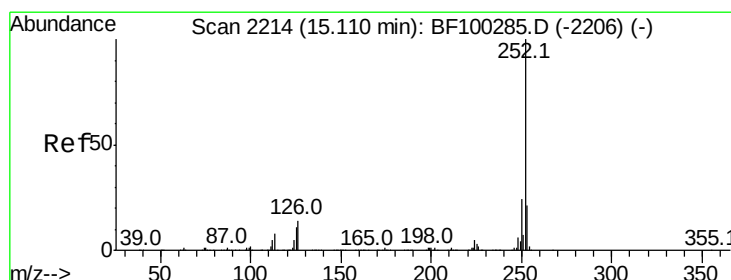
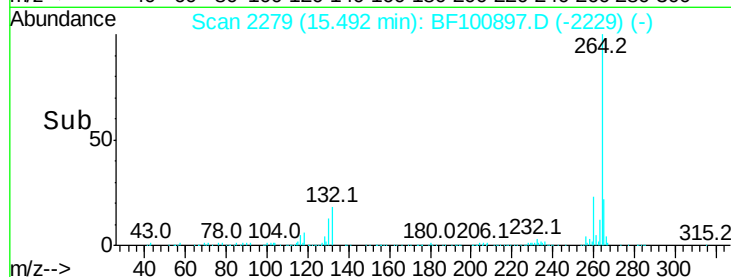
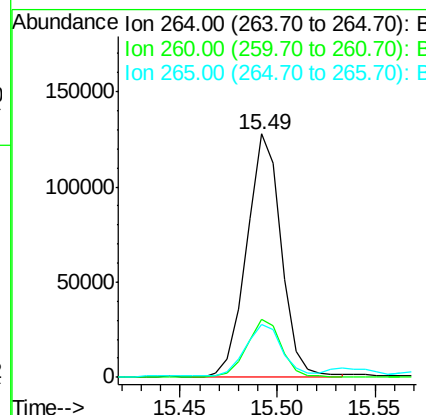
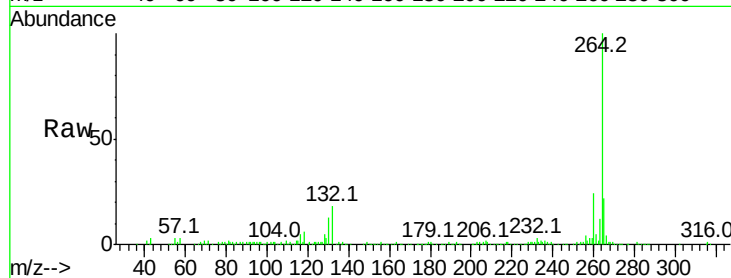
ClientSampleId :

SAU-2-E(0-1)

Tot Ion:	264	Resp:	157105
Ion Ratio	Lower	Upper	
264	100		
260	23.6	19.2	28.8
265	21.7	17.5	26.3

Manual Integrations
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#87

Benzo(b)fluoranthene

Concen: 24.789 ng m

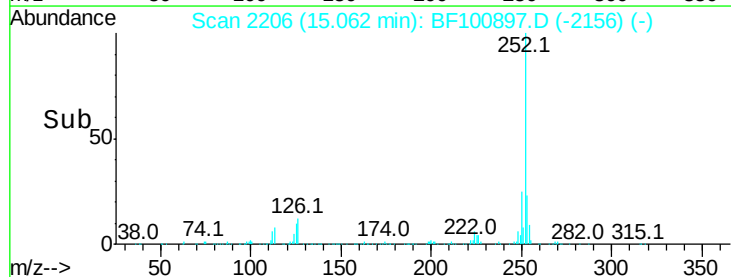
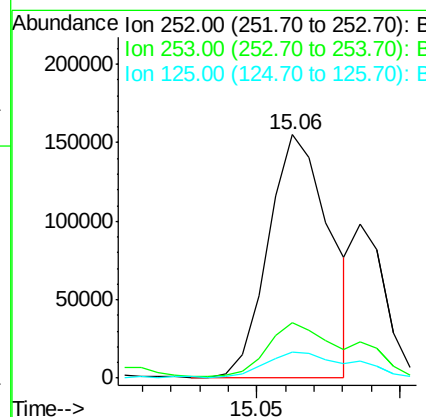
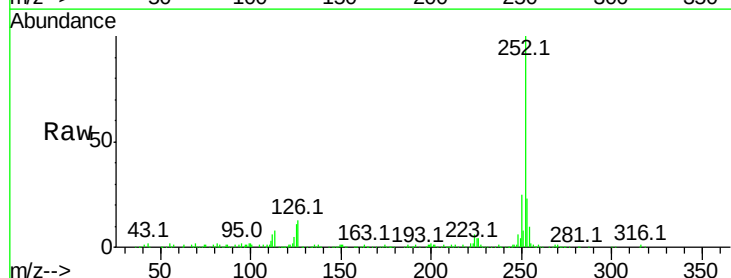
RT: 15.06 min Scan# 2206

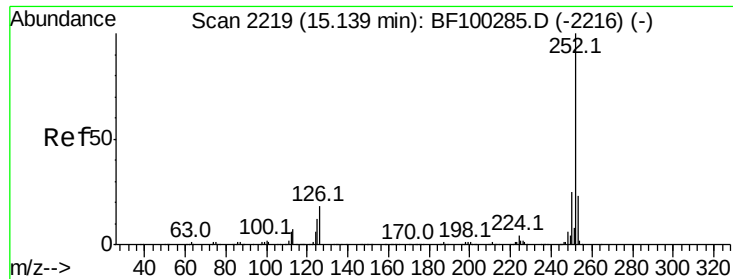
Delta R.T. -0.01 min

Lab File: BF100897.D

Acq: 27 Nov 2017 17:35

Tgt Ion:	252	Resp:	230726
Ion Ratio	Lower	Upper	
252	100		
253	23.0	17.0	25.6
125	10.8	9.0	13.6





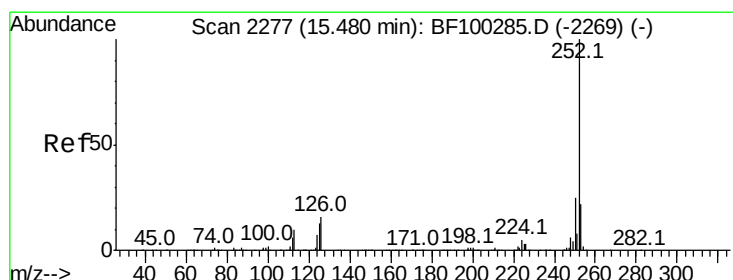
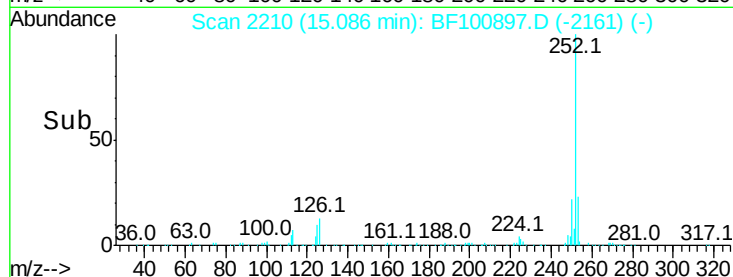
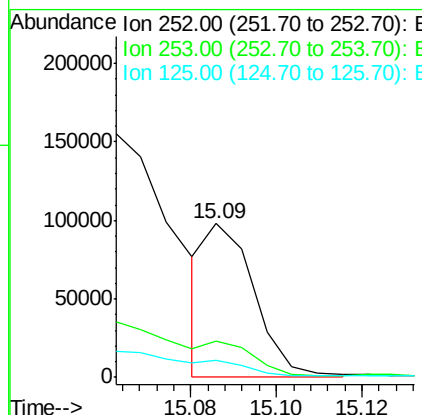
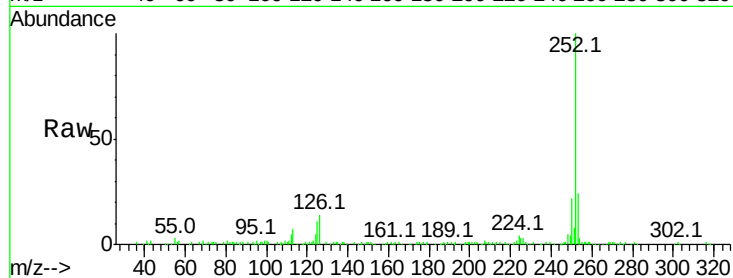
#88
Benzo(k)fluoranthene
Concen: 8.726 ng m
RT: 15.09 min Scan# 2210
Delta R.T. -0.01 min
Lab File: BF100897.D
Acq: 27 Nov 2017 17:35

Instrument :
BNA_F
ClientSampleId :
SAU-2-E(0-1)

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.8	17.9	26.9
125	11.0	10.2	15.2

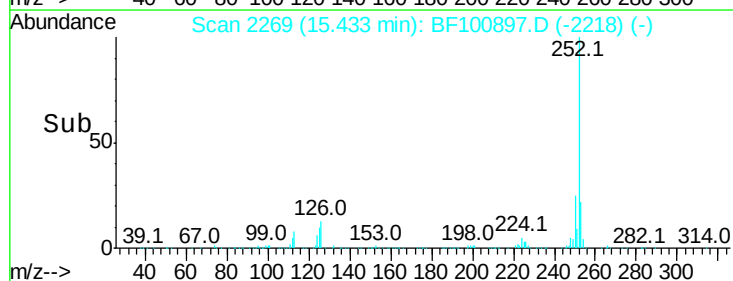
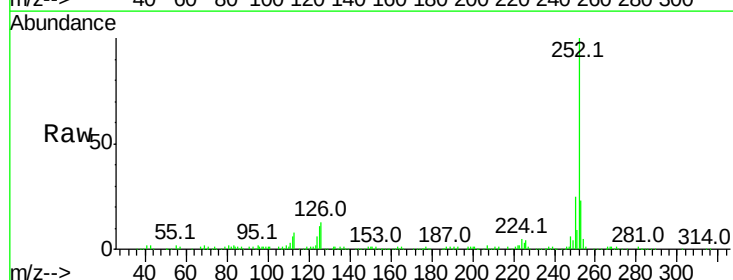
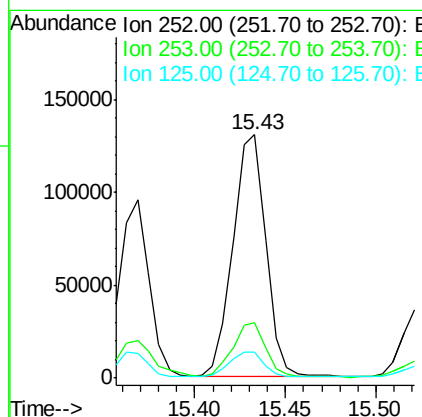
Manual Integrations
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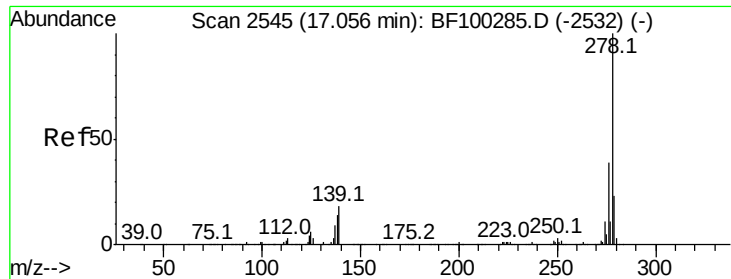
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#89
Benzo(a)pyrene
Concen: 20.109 ng
RT: 15.43 min Scan# 2269
Delta R.T. -0.00 min
Lab File: BF100897.D
Acq: 27 Nov 2017 17:35

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.6	17.1	25.7
125	10.5	9.8	14.6





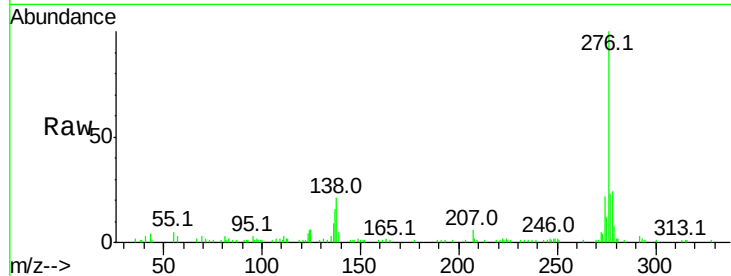
#90
Dibenzo(a,h)anthracene
Concen: 3.151 ng m
RT: 16.97 min Scan# 2530
Delta R.T. -0.02 min
Lab File: BF100897.D
Acq: 27 Nov 2017 17:35

Instrument :
BNA_F
ClientSampleId :
SAU-2-E(0-1)

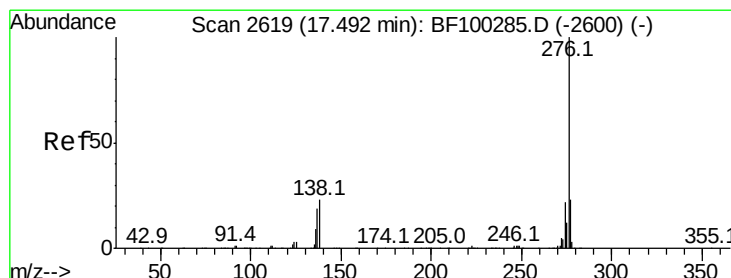
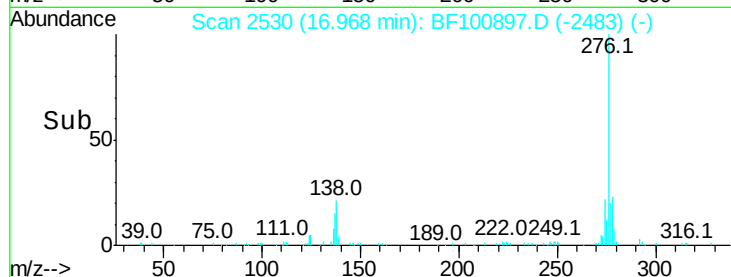
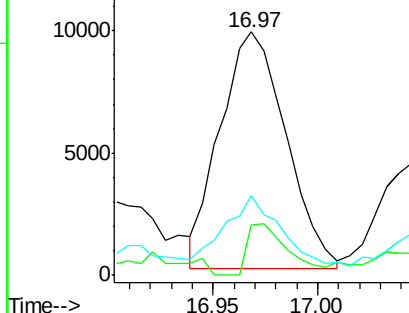
Tot Ion	Ratio	Lower	Upper
278	100		
139	20.7	15.9	23.9
279	32.6	19.0	28.4

Manual Integrations
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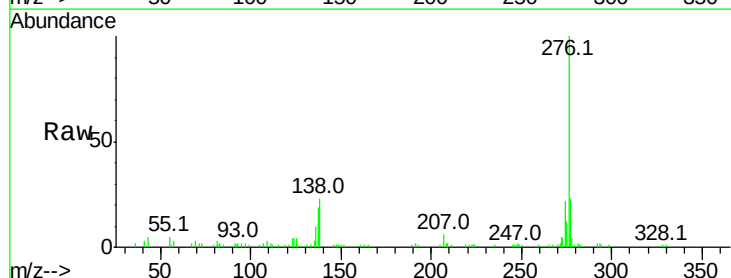


Abundance Ion 278.00 (277.70 to 278.70): E
Ion 139.00 (138.70 to 139.70): E
Ion 279.00 (278.70 to 279.70): E



#91
Benzo(g,h,i)perylene
Concen: 12.124 ng
RT: 17.41 min Scan# 2605
Delta R.T. -0.02 min
Lab File: BF100897.D
Acq: 27 Nov 2017 17:35

Tgt Ion	Ratio	Lower	Upper
276	100		
277	23.1	17.9	26.9
138	23.2	21.8	32.8



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

