

Data Path : Z:\HPCHEM1\BNA F\DATA\BF112217\
 Data File : BF100848.D
 Acq On : 23 Nov 2017 2:34
 Operator : SJ/JU
 Sample : I6548-02 20X
 Misc :
 ALS Vial : 21 Sample Multiplier: 1

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

Manual Integrations
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Quant Time: Nov 27 04:12:45 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF110817.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Nov 17 15:22:08 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.86	152	69360	20.00	ng	-0.02
21) Naphthalene-d8	8.14	136	261089	20.00	ng	-0.03
38) Acenaphthene-d10	9.90	164	116250	20.00	ng	-0.02
63) Phenanthrene-d10	11.39	188	200681	20.00	ng	-0.02
75) Chrysene-d12	14.02	240	135649	20.00	ng	-0.02
86) Perylene-d12	15.50	264	148981	20.00	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.47	112	22967	5.31	ng	-0.02
7) Phenol-d6	6.48	99	27154	5.09	ng	-0.03
23) Nitrobenzene-d5	7.42	82	15465	3.92	ng	-0.04
41) 2,4,6-Tribromophenol	10.69	330	5716	4.83	ng	-0.02
44) 2-Fluorobiphenyl	9.22	172	33111	4.34	ng	-0.02
78) Terphenyl-d14	12.96	244	22188	3.76	ng	-0.02
Target Compounds						
70) Phenanthrene	11.41	178	187255	17.722	ng	Qvalue 98
71) Anthracene	11.46	178	34972	3.262	ng	97
74) Fluoranthene	12.60	202	181118	16.174	ng	94
77) Pyrene	12.83	202	168348	17.410	ng	98
80) Benzo(a)anthracene	14.02	228	72163	8.834	ng	97
82) Chrysene	14.05	228	68134	8.613	ng	98
85) Indeno(1,2,3-cd)pyrene	16.96	276	32056	5.010	ng	# 90
87) Benzo(b)fluoranthene	15.06	252	78256m	8.866	ng	
88) Benzo(k)fluoranthene	15.09	252	26886m	3.224	ng	
89) Benzo(a)pyrene	15.43	252	62527	7.991	ng	98
91) Benzo(g,h,i)perylene	17.41	276	29905	4.774	ng	95

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

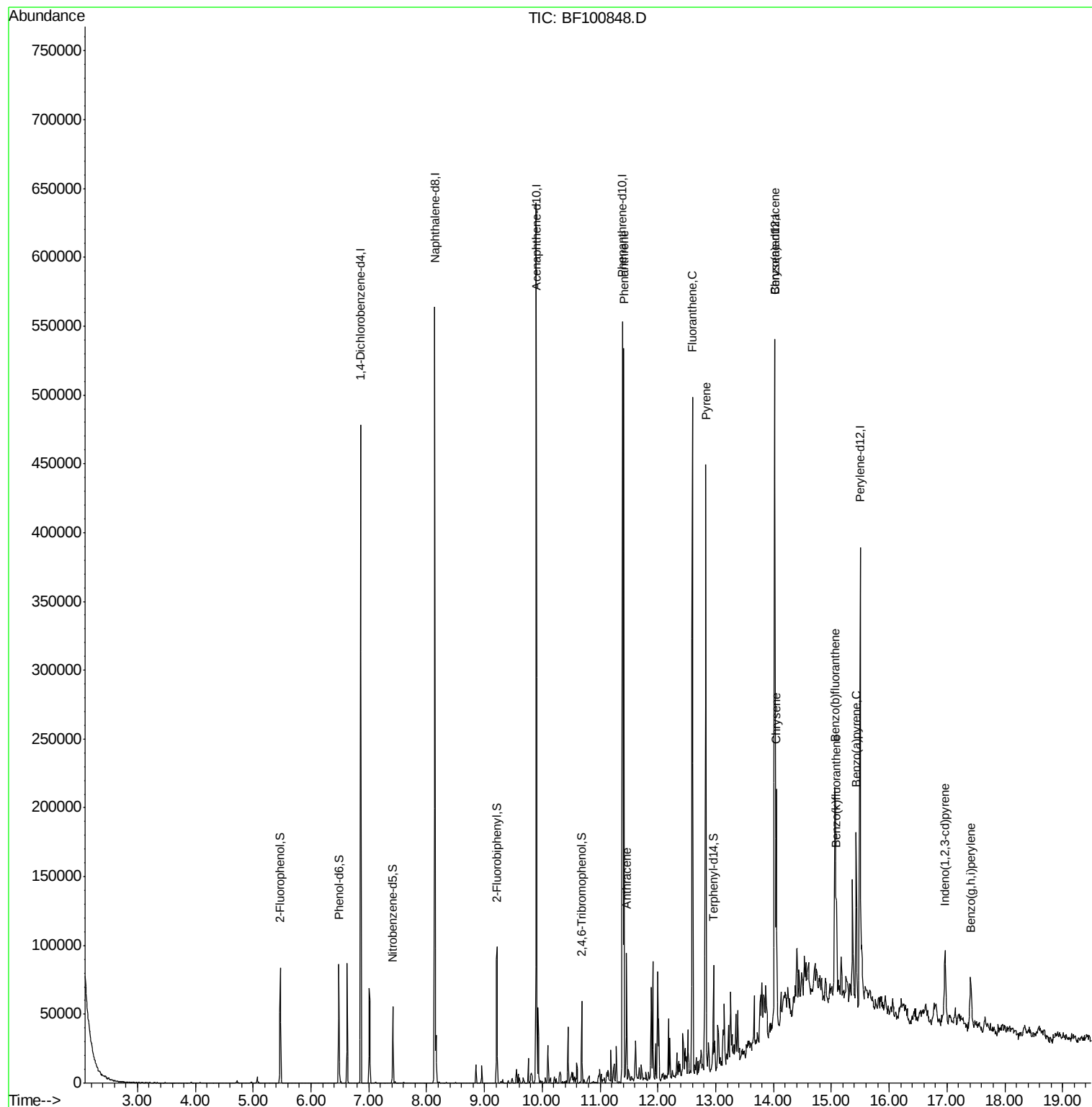
Data Path : Z:\HPCHEM1\BNA F\DATA\BF112217\
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Misc :
ALS Vial : 21 Sample Multiplier: 1

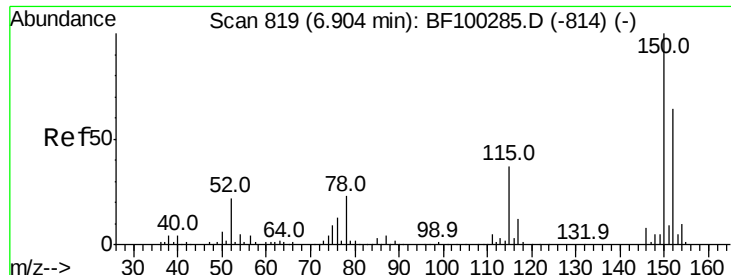
Instrument :
BNA_F
ClientSampleId :
SAU-3-E(7-8)

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Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF110817.M
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#1

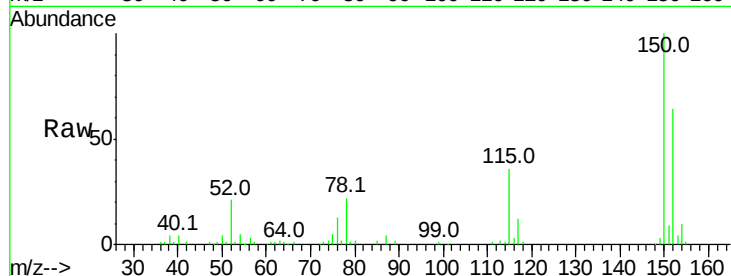
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.86 min Scan# 811
Delta R.T. -0.02 min
Lab File: BF100848.D
Acq: 23 Nov 2017 2:34

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

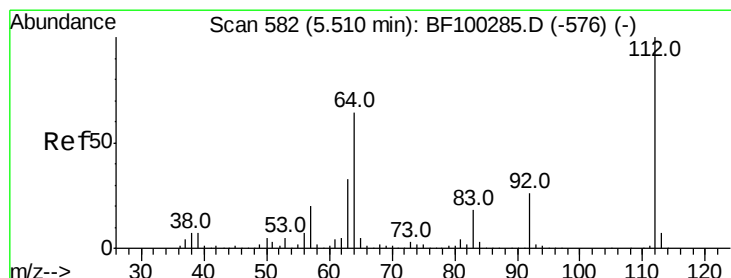
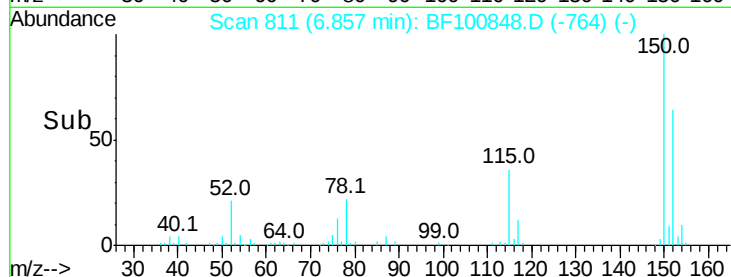
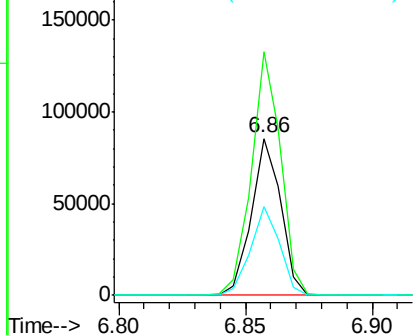
Tot Ion	Ratio	Lower	Upper
152	100		
150	155.1	124.6	186.8
115	56.6	50.1	75.1

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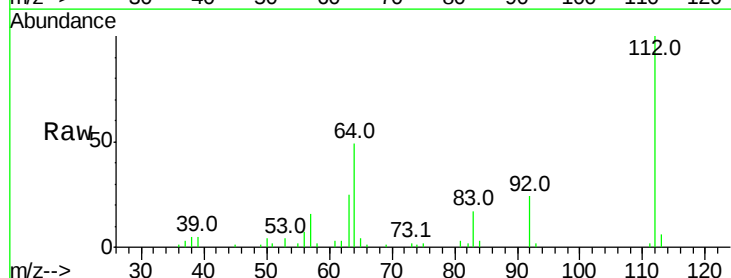
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



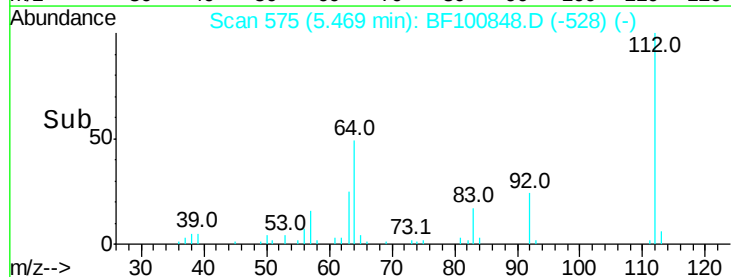
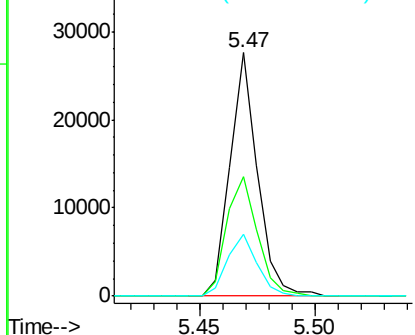
#5

2-Fluorophenol
Concen: 5.308 ng
RT: 5.47 min Scan# 575
Delta R.T. -0.02 min
Lab File: BF100848.D
Acq: 23 Nov 2017 2:34

Tgt Ion	Ratio	Lower	Upper
112	100		
64	49.0	47.9	71.9
63	25.3	23.7	35.5



Abundance Ion 112.00 (111.70 to 112.70): E
Ion 64.00 (63.70 to 64.70): BF1
Ion 63.00 (62.70 to 63.70): BF1





#7

Phenol-d6

Concen: 5.089 ng

RT: 6.48 min Scan# 747

Delta R.T. -0.03 min

Lab File: BF100848.D

Acq: 23 Nov 2017 2:34

Instrument :

BNA_F

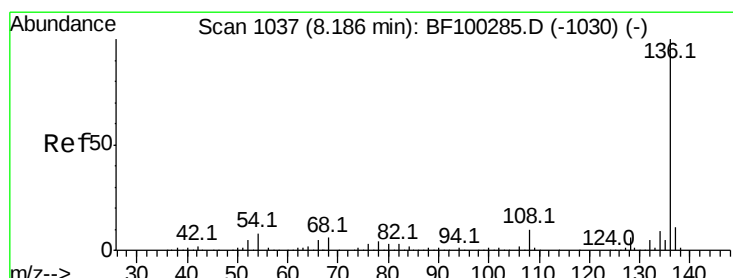
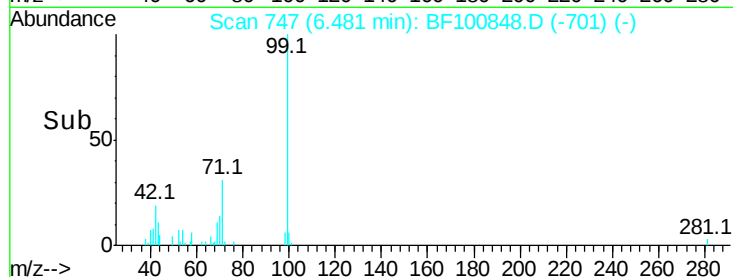
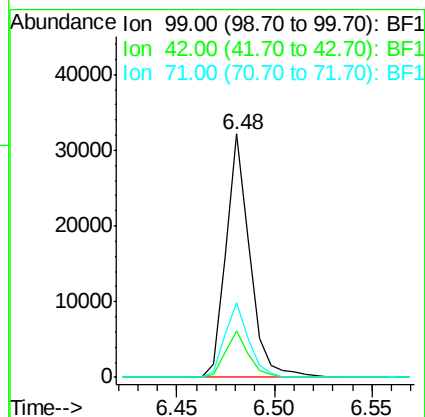
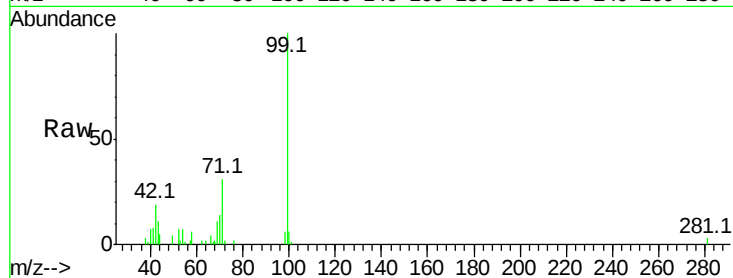
ClientSampleId :

SAU-3-E(7-8)

Tot Ion:	99	Resp:	27154
Ion Ratio	Lower	Upper	
99	100		
42	18.9	14.5	21.7
71	30.7	25.4	38.0

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#21

Naphthalene-d8

Concen: 20.000 ng

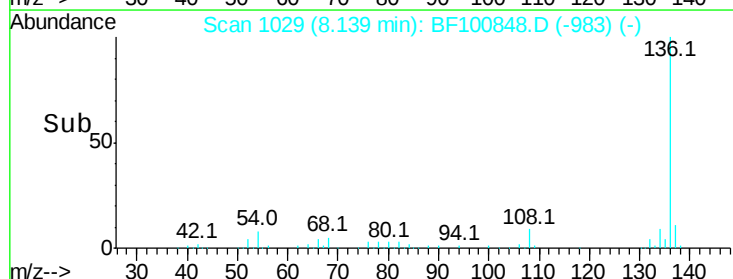
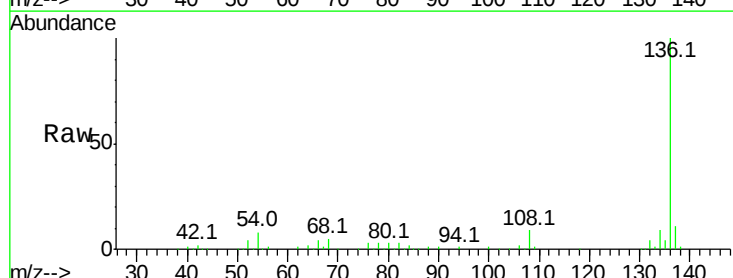
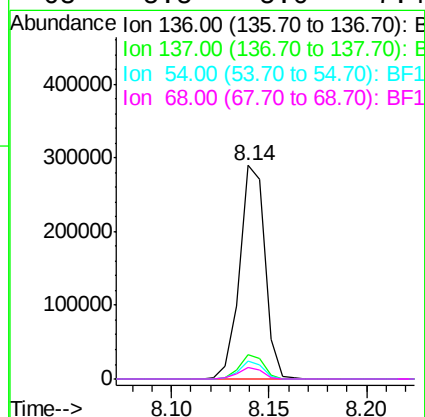
RT: 8.14 min Scan# 1029

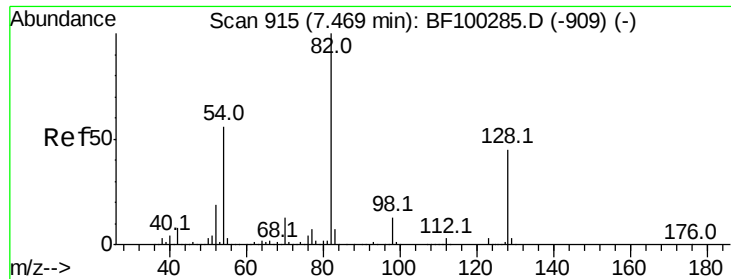
Delta R.T. -0.03 min

Lab File: BF100848.D

Acq: 23 Nov 2017 2:34

Tgt Ion:	136	Resp:	261089
Ion Ratio	Lower	Upper	
136	100		
137	11.2	8.9	13.3
54	8.4	6.6	9.8
68	5.5	5.0	7.4





#23

Nitrobenzene-d5

Concen: 3.916 ng

RT: 7.42 min Scan# 906

Delta R.T. -0.04 min

Lab File: BF100848.D

Acq: 23 Nov 2017 2:34

Instrument :

BNA_F

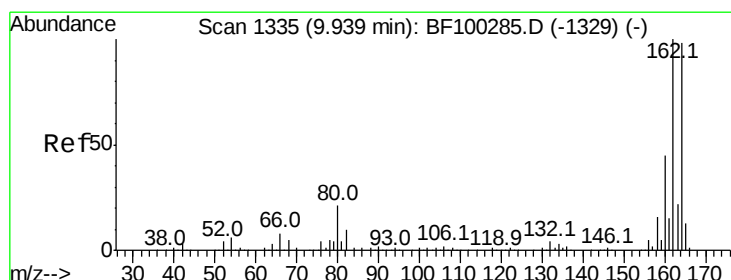
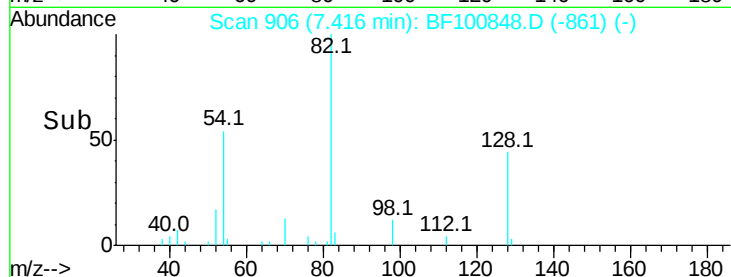
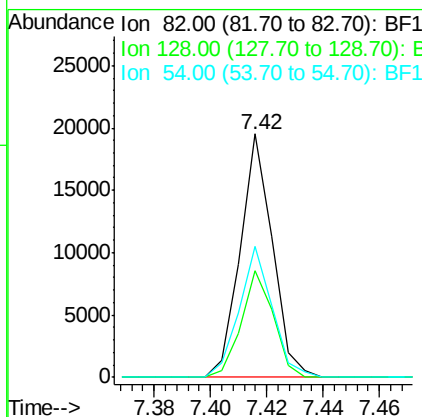
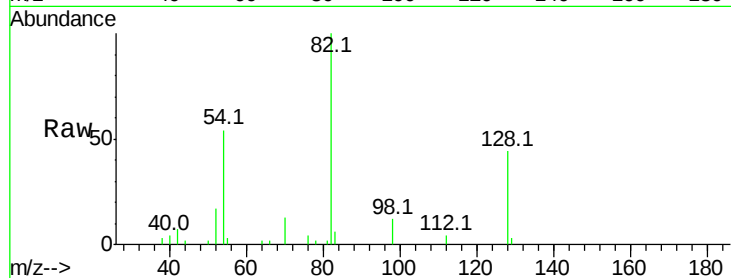
ClientSampled :

SAU-3-E(7-8)

Tot Ion:	82	Resp:	15465
Ion Ratio	Lower	Upper	
82	100		
128	43.8	36.1	54.1
54	53.7	41.4	62.2

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#38

Acenaphthene-d10

Concen: 20.000 ng

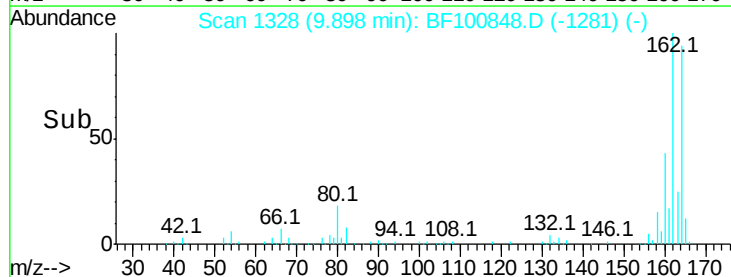
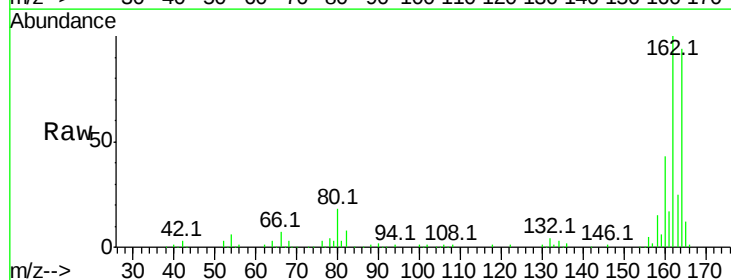
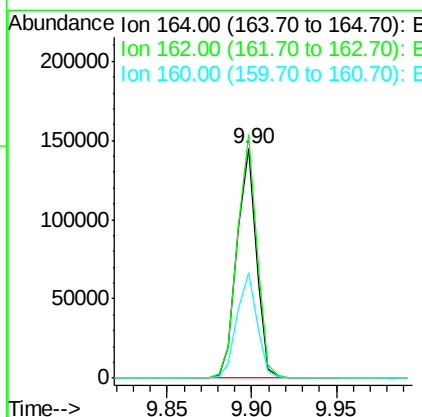
RT: 9.90 min Scan# 1328

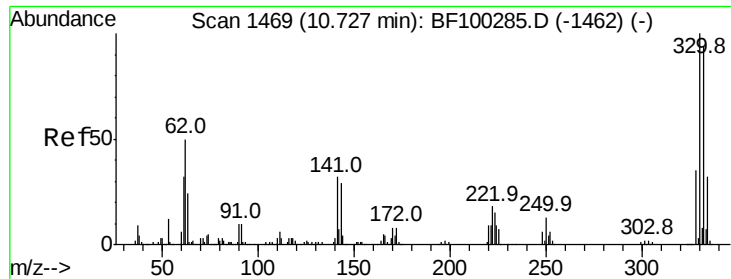
Delta R.T. -0.02 min

Lab File: BF100848.D

Acq: 23 Nov 2017 2:34

Tgt Ion:	164	Resp:	116250
Ion Ratio	Lower	Upper	
164	100		
162	106.2	86.1	129.1
160	45.9	38.3	57.5





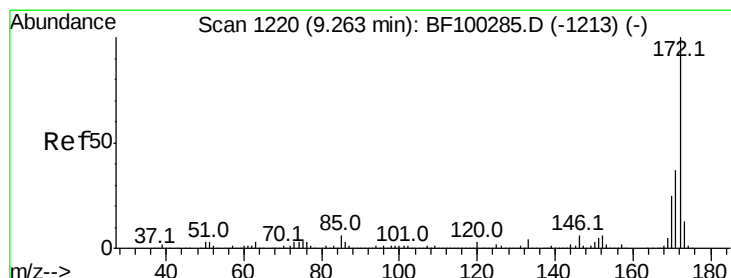
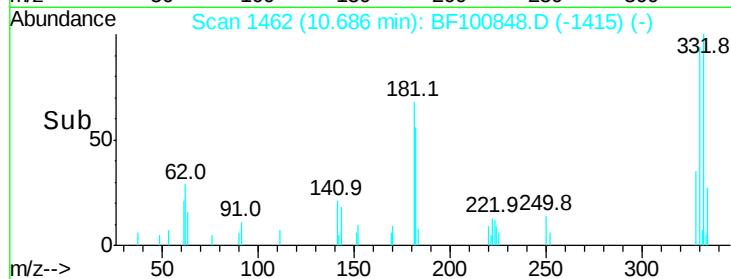
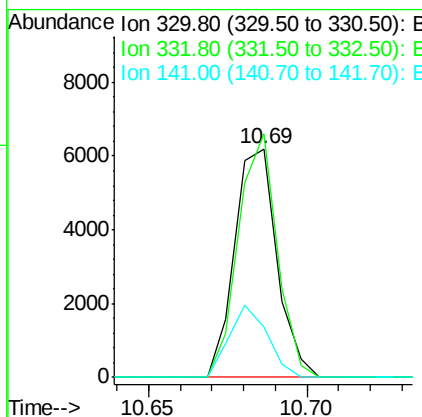
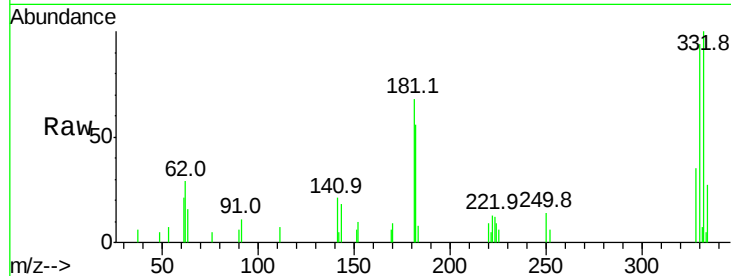
#41
 2,4,6-Tribromophenol
 Concen: 4.825 ng
 RT: 10.69 min Scan# 1462
 Delta R.T. -0.02 min
 Lab File: BF100848.D
 Acq: 23 Nov 2017 2:34

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

Tot Ion	Ratio	Lower	Upper
330	100		
332	97.7	77.0	115.6
141	28.3	29.9	44.9#

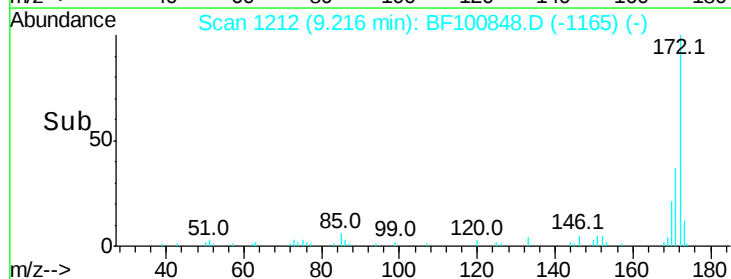
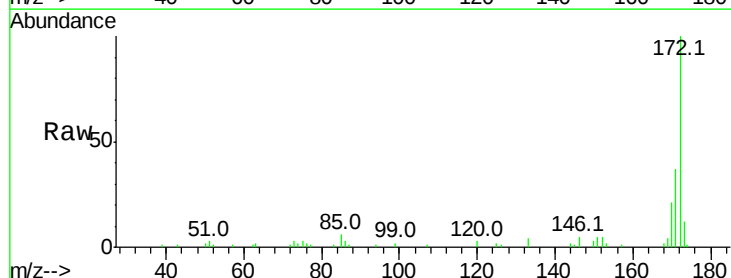
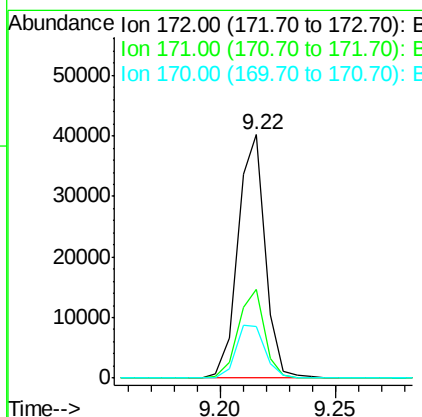
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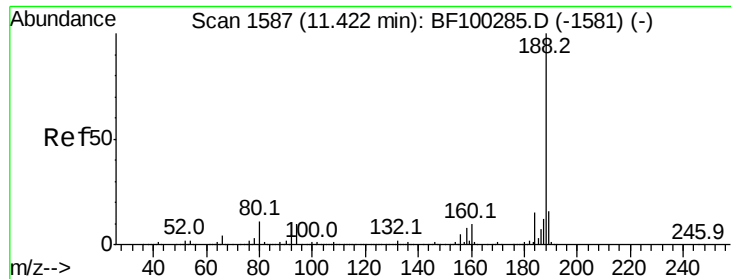
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#44
 2-Fluorobiphenyl
 Concen: 4.337 ng
 RT: 9.22 min Scan# 1212
 Delta R.T. -0.02 min
 Lab File: BF100848.D
 Acq: 23 Nov 2017 2:34

Tgt Ion	Ratio	Lower	Upper
172	100		
171	36.6	29.7	44.5
170	21.3	19.6	29.4





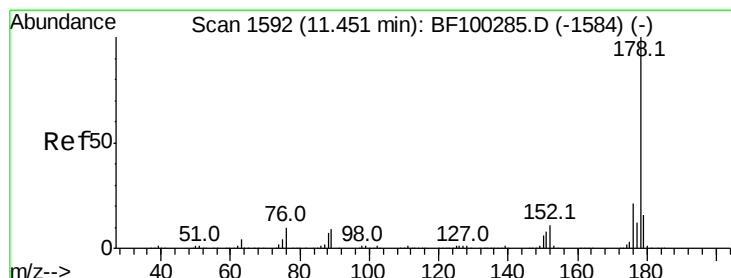
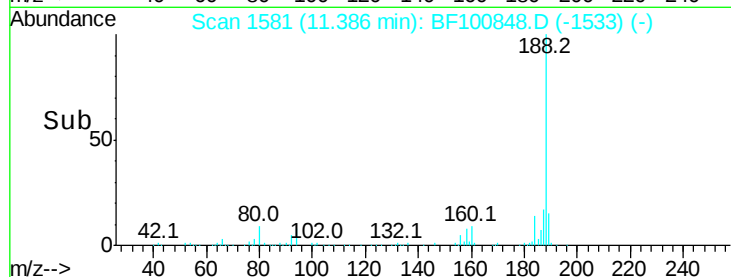
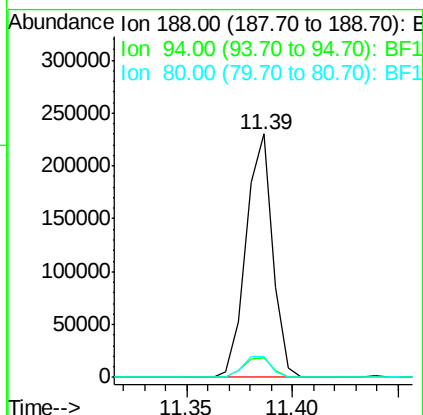
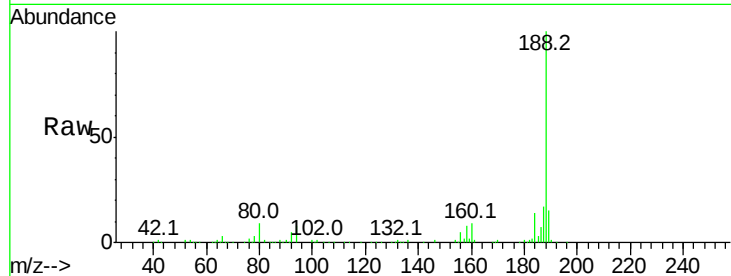
#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.39 min Scan# 1581
Delta R.T. -0.02 min
Lab File: BF100848.D
Acq: 23 Nov 2017 2:34

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

Tot Ion	Ratio	Resp Lower	Upper
188	100		
94	8.0	8.5	12.7#
80	8.8	9.2	13.8#

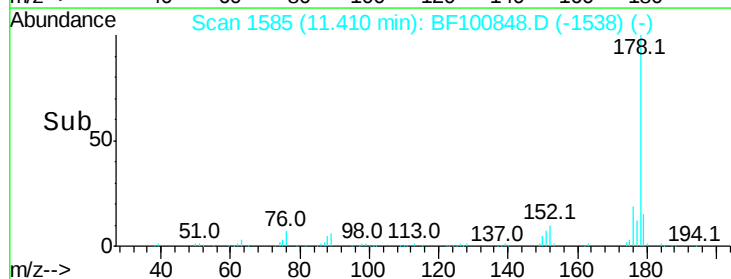
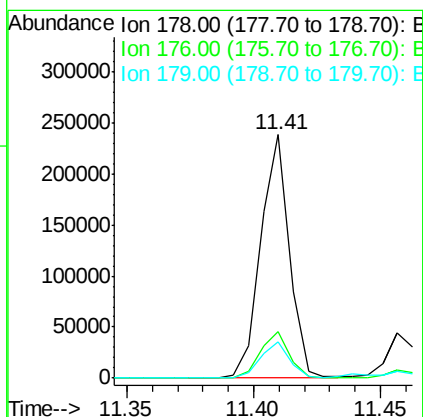
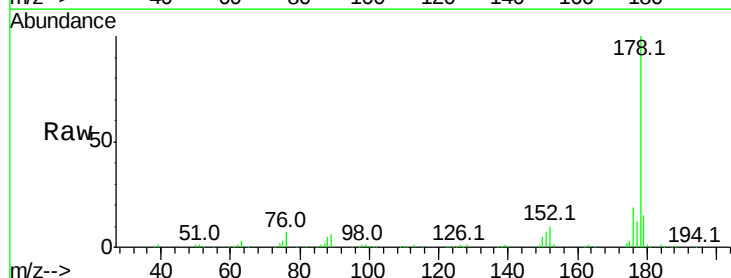
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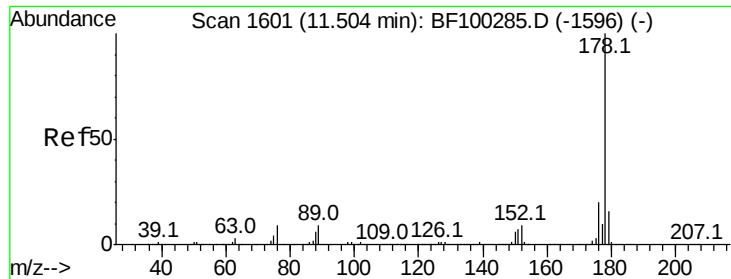
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#70
Phenanthrene
Concen: 17.722 ng
RT: 11.41 min Scan# 1585
Delta R.T. -0.02 min
Lab File: BF100848.D
Acq: 23 Nov 2017 2:34

Tgt Ion	Ratio	Resp Lower	Upper
178	100		
176	19.0	15.8	23.8
179	15.0	13.0	19.6





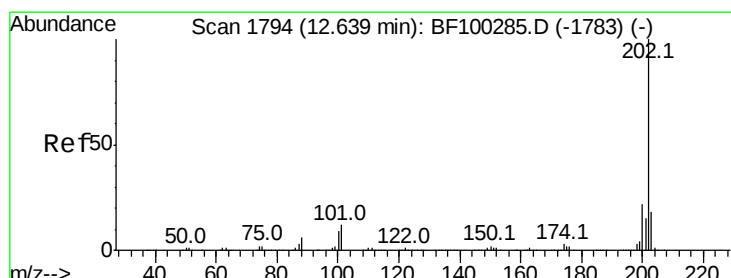
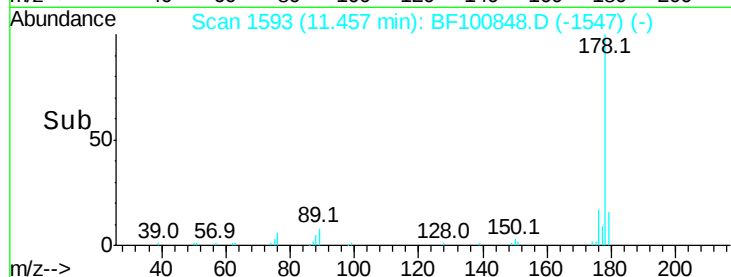
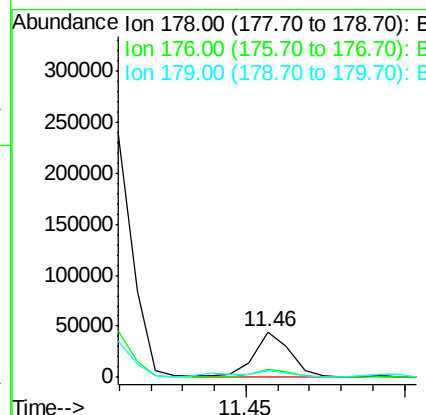
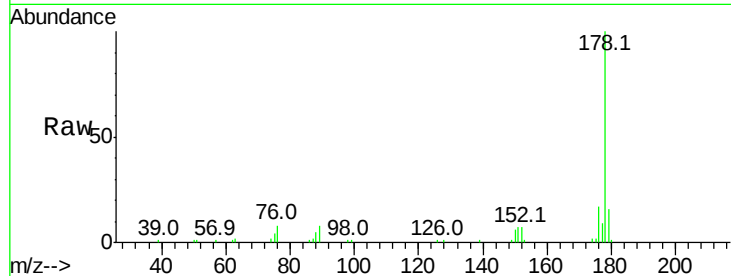
#71
 Anthracene
 Concen: 3.262 ng
 RT: 11.46 min Scan# 1593
 Delta R.T. -0.03 min
 Lab File: BF100848.D
 Acq: 23 Nov 2017 2:34

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

Tot Ion	Ratio	Lower	Upper
178	100		
176	17.2	15.4	23.2
179	15.5	12.6	19.0

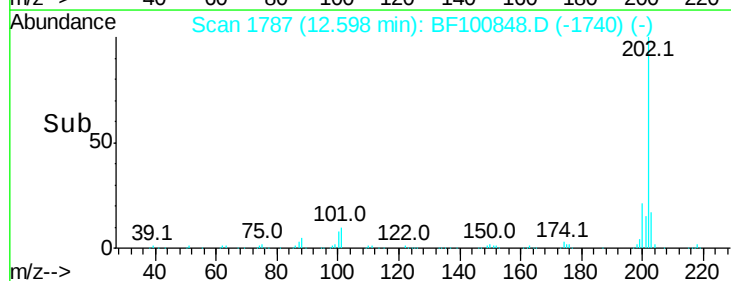
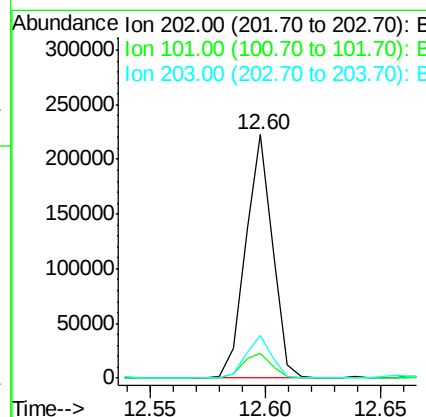
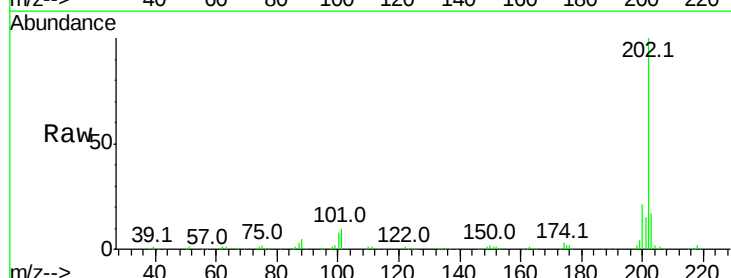
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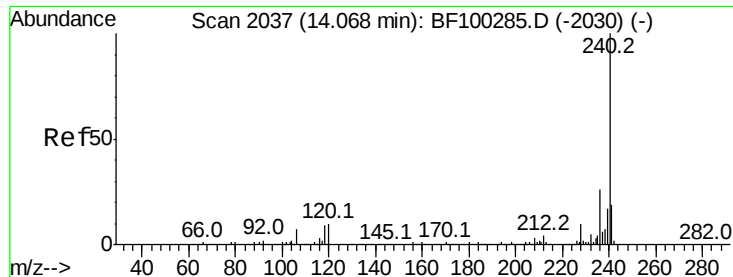
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#74
 Fluoranthene
 Concen: 16.174 ng
 RT: 12.60 min Scan# 1787
 Delta R.T. -0.02 min
 Lab File: BF100848.D
 Acq: 23 Nov 2017 2:34

Tgt Ion	Ratio	Lower	Upper
202	100		
101	9.9	0.0	34.1
203	17.3	0.0	38.1





#75

Chrysene-d12

Concen: 20.000 ng

RT: 14.02 min Scan# 2029

Delta R.T. -0.02 min

Lab File: BF100848.D

Acq: 23 Nov 2017 2:34

Instrument :

BNA_F

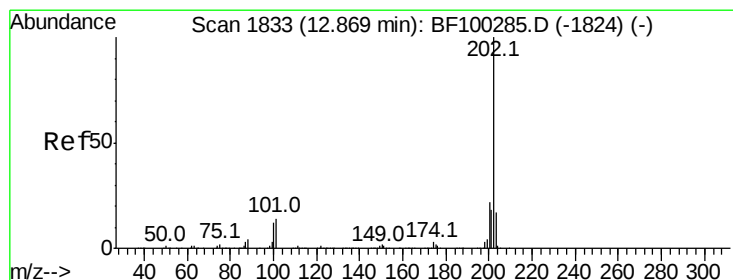
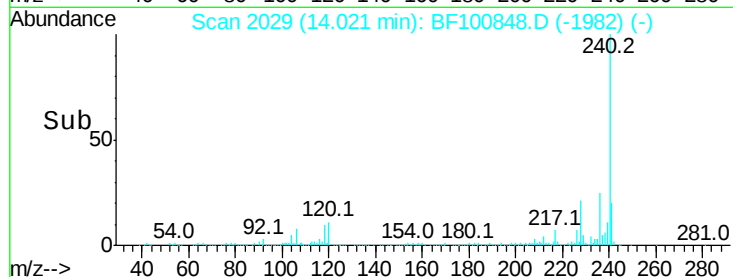
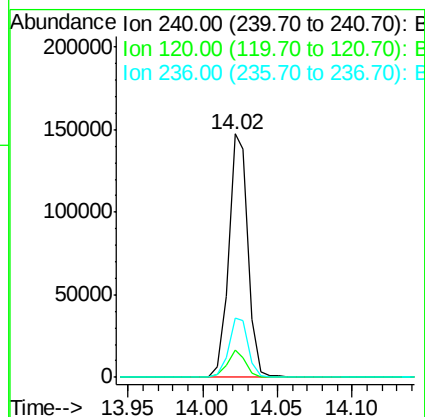
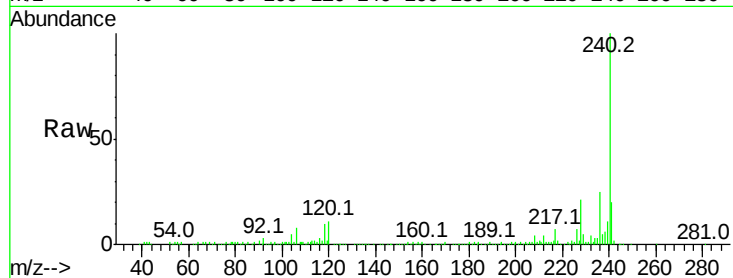
ClientSampleId :

SAU-3-E(7-8)

Tot Ion:	240	Resp:	135649
Ion Ratio	Lower	Upper	
240	100		
120	11.2	9.5	14.3
236	24.5	20.7	31.1

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#77

Pyrene

Concen: 17.410 ng

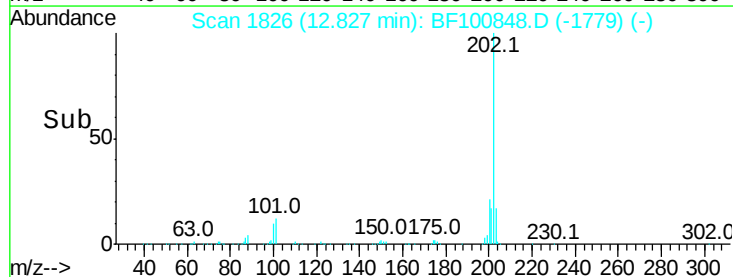
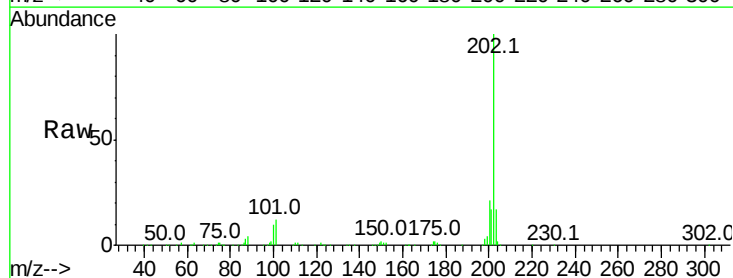
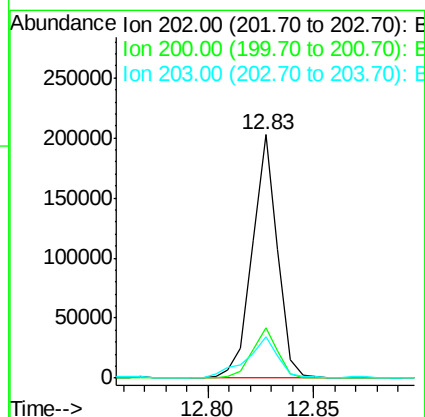
RT: 12.83 min Scan# 1826

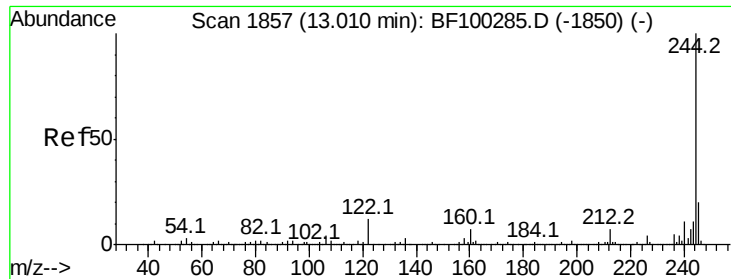
Delta R.T. -0.02 min

Lab File: BF100848.D

Acq: 23 Nov 2017 2:34

Tgt Ion:	202	Resp:	168348
Ion Ratio	Lower	Upper	
202	100		
200	20.6	17.4	26.2
203	17.0	14.3	21.5





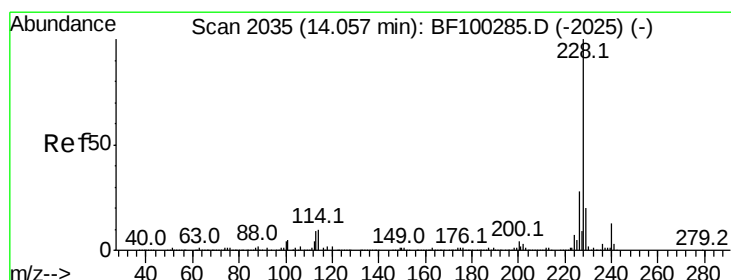
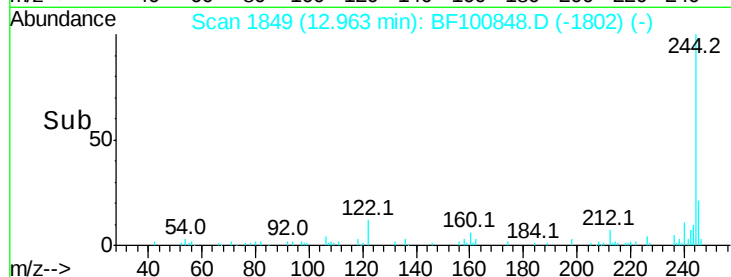
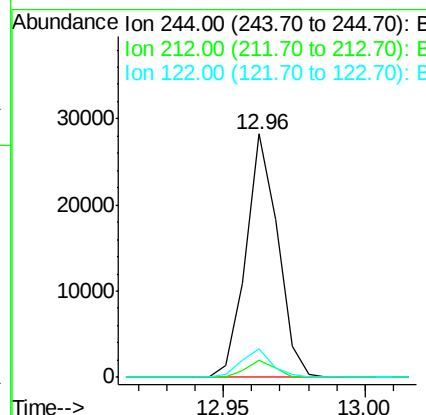
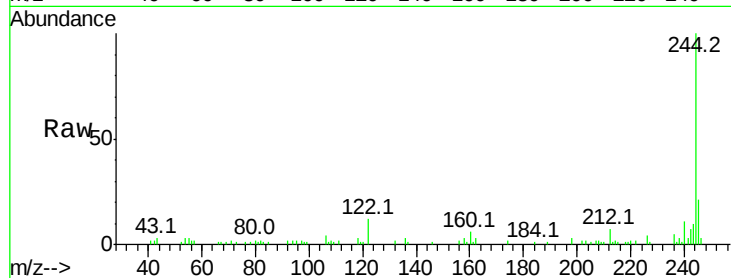
#78
 Terphenyl-d14
 Concen: 3.758 ng
 RT: 12.96 min Scan# 1849
 Delta R.T. -0.02 min
 Lab File: BF100848.D
 Acq: 23 Nov 2017 2:34

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

Tot Ion	Ratio	Lower	Upper
244	100		
212	6.9	5.4	8.0
122	12.0	11.0	16.4

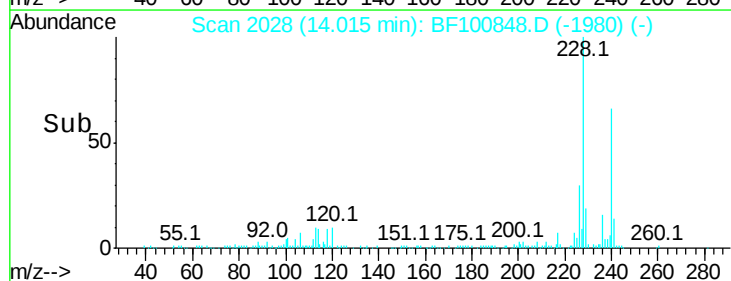
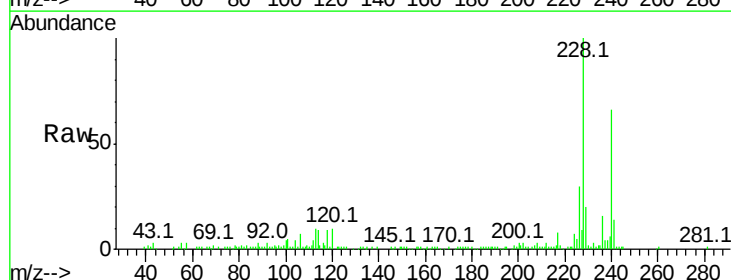
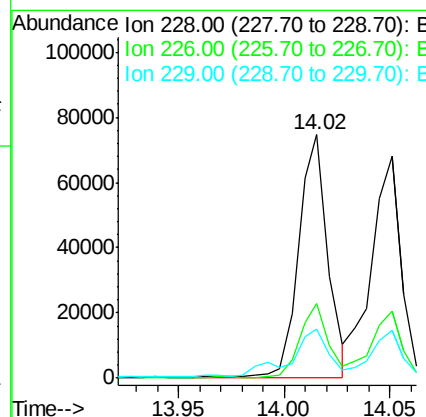
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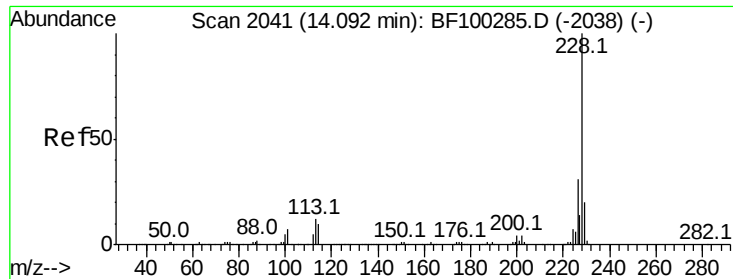
Sohil
 11/27/2017 3:20:45 PM



#80
 Benzo(a)anthracene
 Concen: 8.834 ng
 RT: 14.02 min Scan# 2028
 Delta R.T. -0.02 min
 Lab File: BF100848.D
 Acq: 23 Nov 2017 2:34

Tgt Ion	Ratio	Lower	Upper
228	100		
226	30.4	22.6	33.8
229	19.9	15.8	23.6





#82

Chrysene

Concen: 8.613 ng

RT: 14.05 min Scan# 2034

Delta R.T. -0.02 min

Lab File: BF100848.D

Acq: 23 Nov 2017 2:34

Instrument :

BNA_F

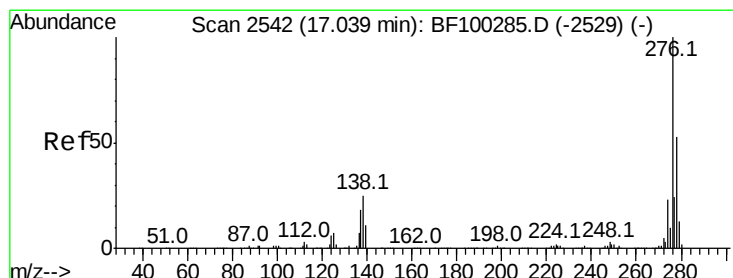
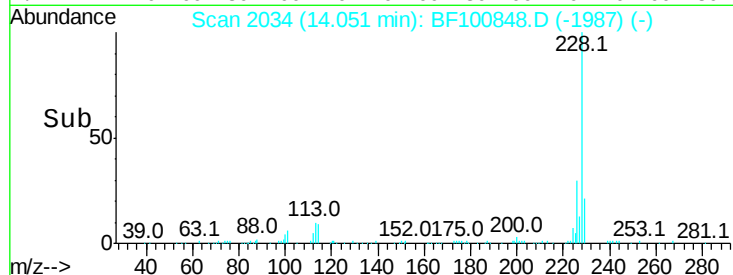
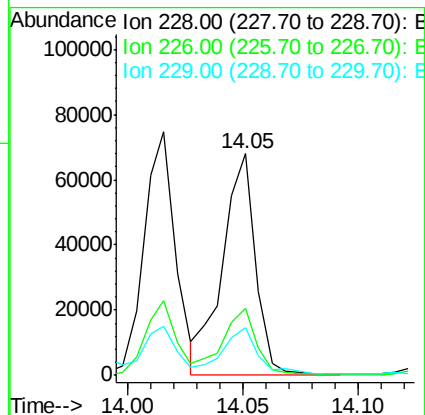
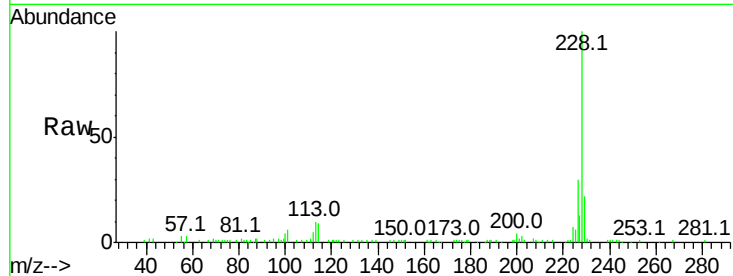
ClientSampled :

SAU-3-E(7-8)

Tot Ion:	228	Resp:	68134
Ion Ratio	Lower	Upper	
228	100		
226	30.4	25.0	37.6
229	21.7	16.2	24.4

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#85

Indeno(1,2,3-cd)pyrene

Concen: 5.010 ng

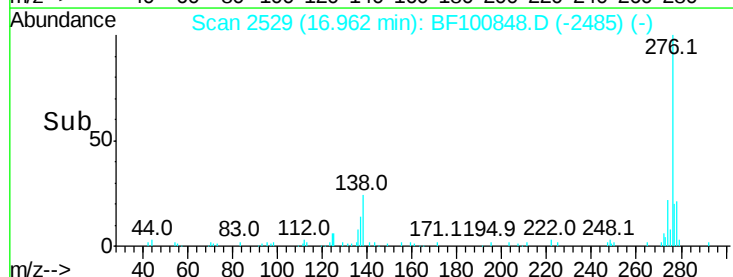
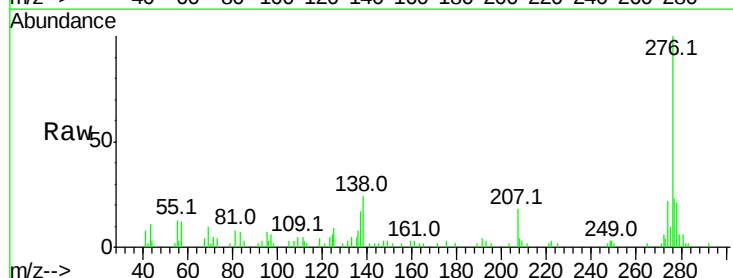
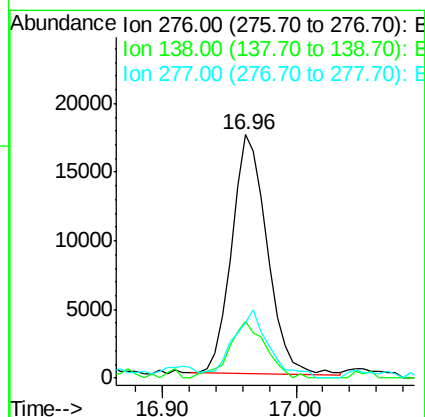
RT: 16.96 min Scan# 2529

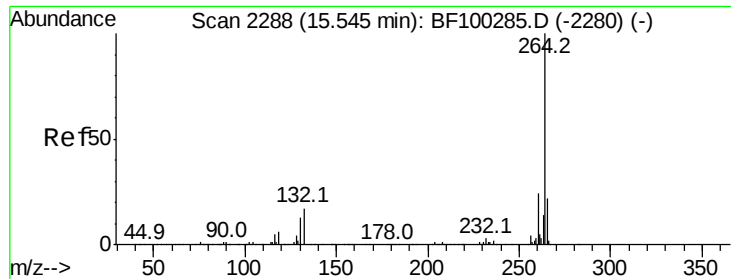
Delta R.T. -0.04 min

Lab File: BF100848.D

Acq: 23 Nov 2017 2:34

Tgt Ion:	276	Resp:	32056
Ion Ratio	Lower	Upper	
276	100		
138	24.7	25.0	37.6#
277	29.2	20.1	30.1





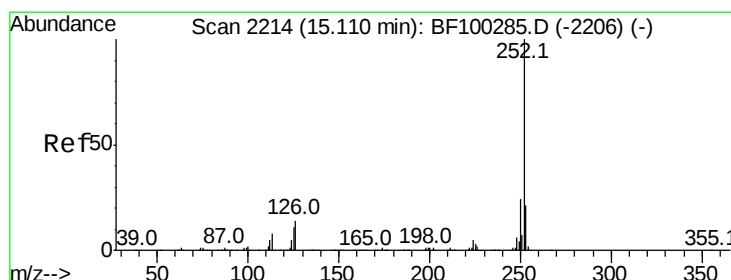
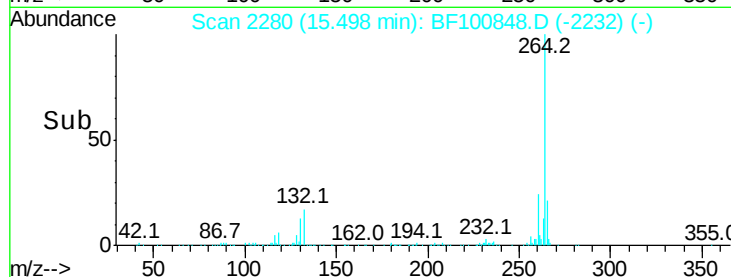
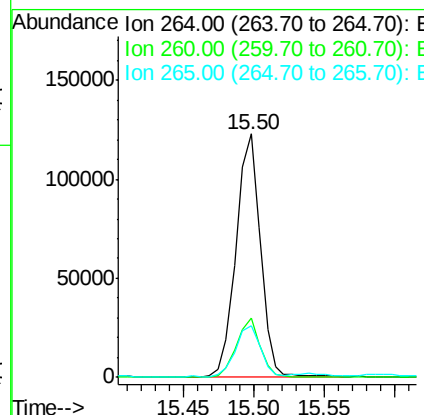
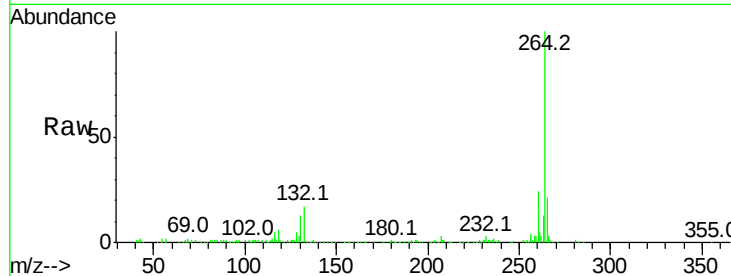
#86
Pervlene-d12
Concen: 20.000 ng
RT: 15.50 min Scan# 2280
Delta R.T. -0.02 min
Lab File: BF100848.D
Acq: 23 Nov 2017 2:34

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

Tot Ion	Ratio	Lower	Upper
264	100		
260	24.3	19.2	28.8
265	21.4	17.5	26.3

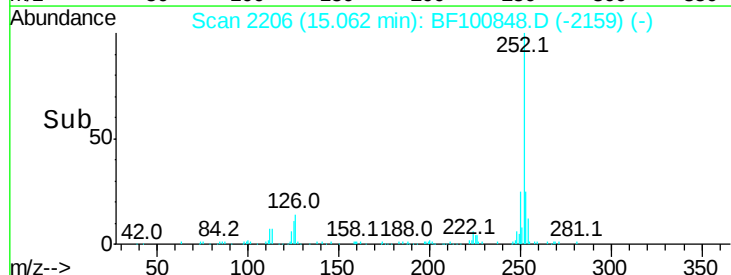
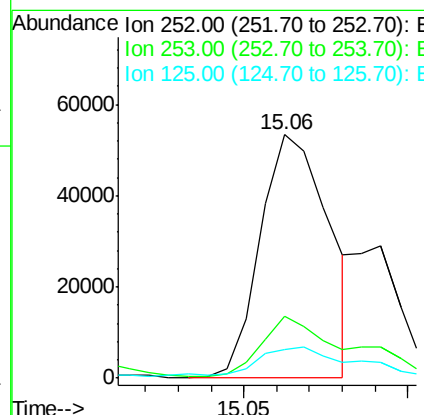
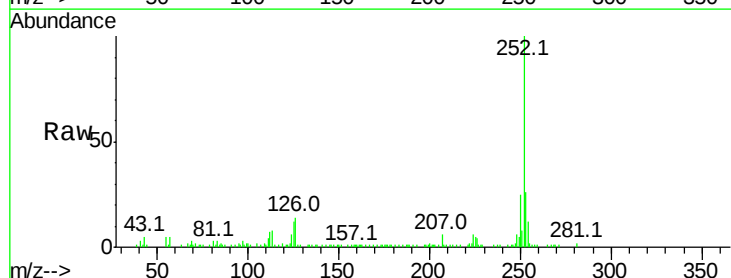
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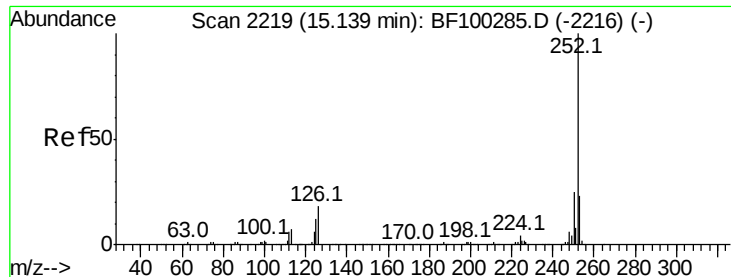
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#87
Benzo(b)fluoranthene
Concen: 8.866 ng m
RT: 15.06 min Scan# 2206
Delta R.T. -0.02 min
Lab File: BF100848.D
Acq: 23 Nov 2017 2:34

Tgt Ion	Ratio	Lower	Upper
252	100		
253	25.5	17.0	25.6
125	12.0	9.0	13.6





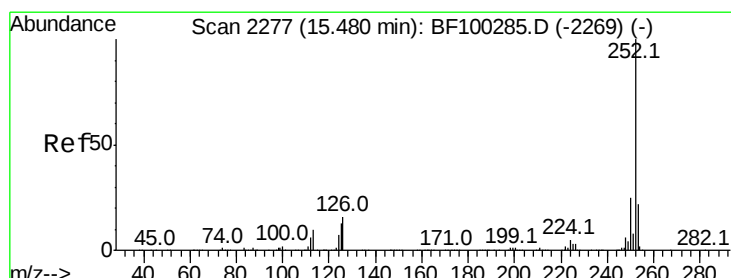
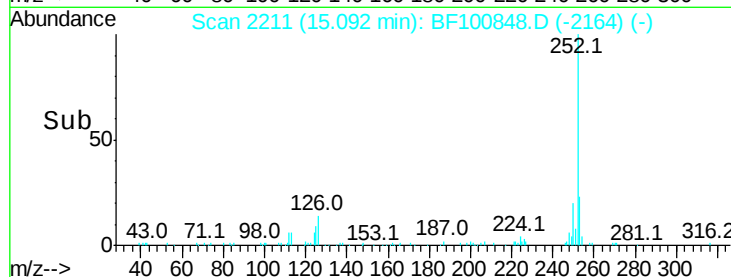
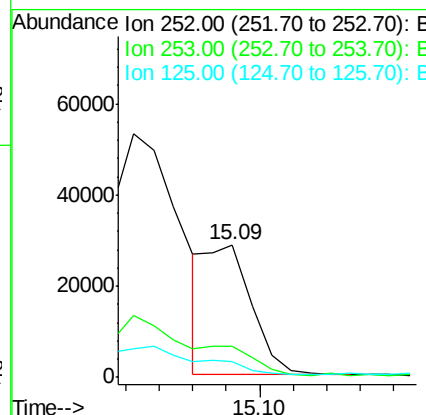
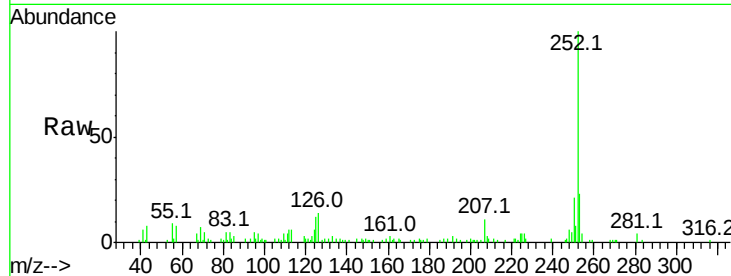
#88
Benzo(k)fluoranthene
Concen: 3.224 ng m
RT: 15.09 min Scan# 2211
Delta R.T. -0.02 min
Lab File: BF100848.D
Acq: 23 Nov 2017 2:34

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

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.1	17.9	26.9
125	11.7	10.2	15.2

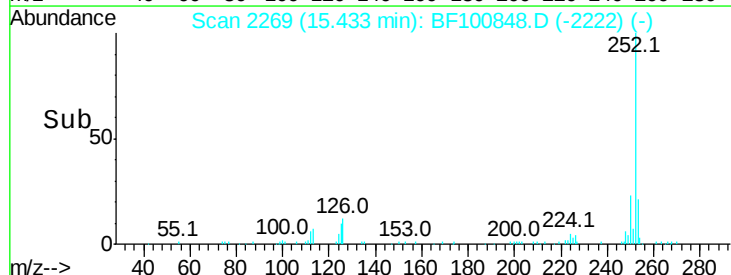
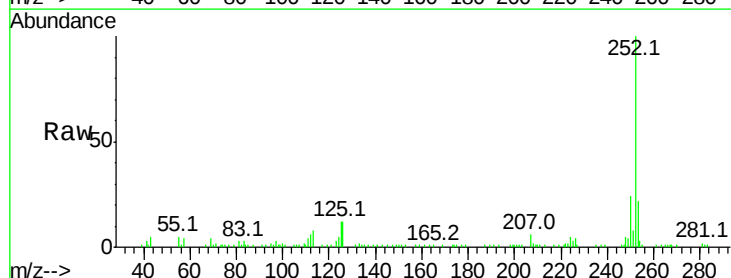
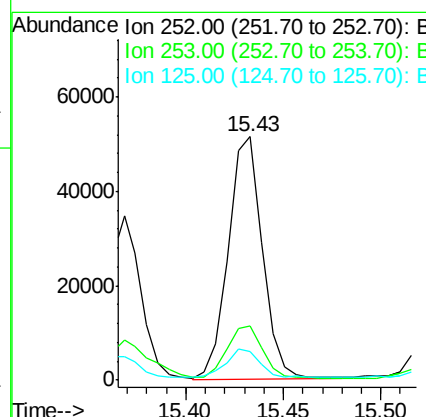
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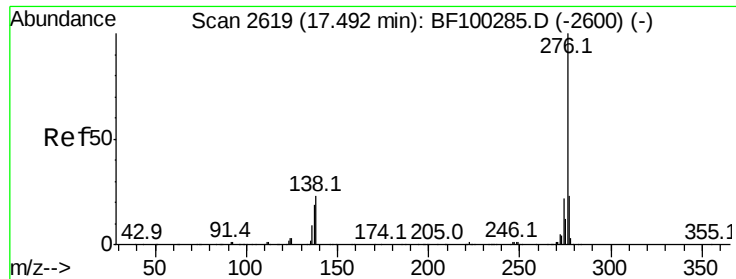
Sohil
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#89
Benzo(a)pyrene
Concen: 7.991 ng
RT: 15.43 min Scan# 2269
Delta R.T. -0.02 min
Lab File: BF100848.D
Acq: 23 Nov 2017 2:34

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.2	17.1	25.7
125	11.6	9.8	14.6





#91
 Benzo(a,h,i)perylene
 Concen: 4.774 ng
 RT: 17.41 min Scan# 2605
 Delta R.T. -0.05 min
 Lab File: BF100848.D
 Acq: 23 Nov 2017 2:34

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

Tot Ion:	276	Resp:	29905
Ion Ratio	Lower	Upper	
276	100		
277	21.9	17.9	26.9
138	22.7	21.8	32.8

Manual Integrations
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