

Data Path : Z:\HPCHEM1\BNA F\DATA\BF121217\
 Data File : BF101345.D
 Acq On : 12 Dec 2017 22:14
 Operator : SJ/JU
 Sample : I6822-04 5X
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SB-4(10-12)

Manual Integrations
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Quant Time: Dec 13 11:30:32 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF113017.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Dec 08 18:17:31 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.82	152	40951	20.00	ng	0.00
21) Naphthalene-d8	8.10	136	153891	20.00	ng	0.00
38) Acenaphthene-d10	9.86	164	63322	20.00	ng	0.00
63) Phenanthrene-d10	11.35	188	113308	20.00	ng	0.00
75) Chrysene-d12	14.00	240	103039	20.00	ng	0.00
86) Perylene-d12	15.49	264	87534	20.00	ng	0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.44	112	55379	22.35	ng	0.00
7) Phenol-d6	6.46	99	66249	22.02	ng	0.00
23) Nitrobenzene-d5	7.39	82	35717	13.85	ng	-0.01
41) 2,4,6-Tribromophenol	10.66	330	13637	17.93	ng	0.00
44) 2-Fluorobiphenyl	9.17	172	58321	12.60	ng	-0.01
78) Terphenyl-d14	12.93	244	49413	10.49	ng	0.00
Target Compounds						
70) Phenanthrene	11.37	178	38039	6.096	ng	96
74) Fluoranthene	12.57	202	78247	11.313	ng	93
77) Pyrene	12.80	202	91352	12.848	ng	99
80) Benzo(a)anthracene	14.00	228	73032	11.226	ng	97
82) Chrysene	14.03	228	68320	11.308	ng	95
85) Indeno(1,2,3-cd)pyrene	16.97	276	82774m	15.410	ng	
87) Benzo(b)fluoranthene	15.05	252	124120m	23.673	ng	
88) Benzo(k)fluoranthene	15.07	252	42635m	8.254	ng	
89) Benzo(a)pyrene	15.42	252	117344	24.618	ng	96
90) Dibenzo(a,h)anthracene	16.97	278	20924m	4.979	ng	
91) Benzo(g,h,i)perylene	17.43	276	78366	19.788	ng	# 89

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

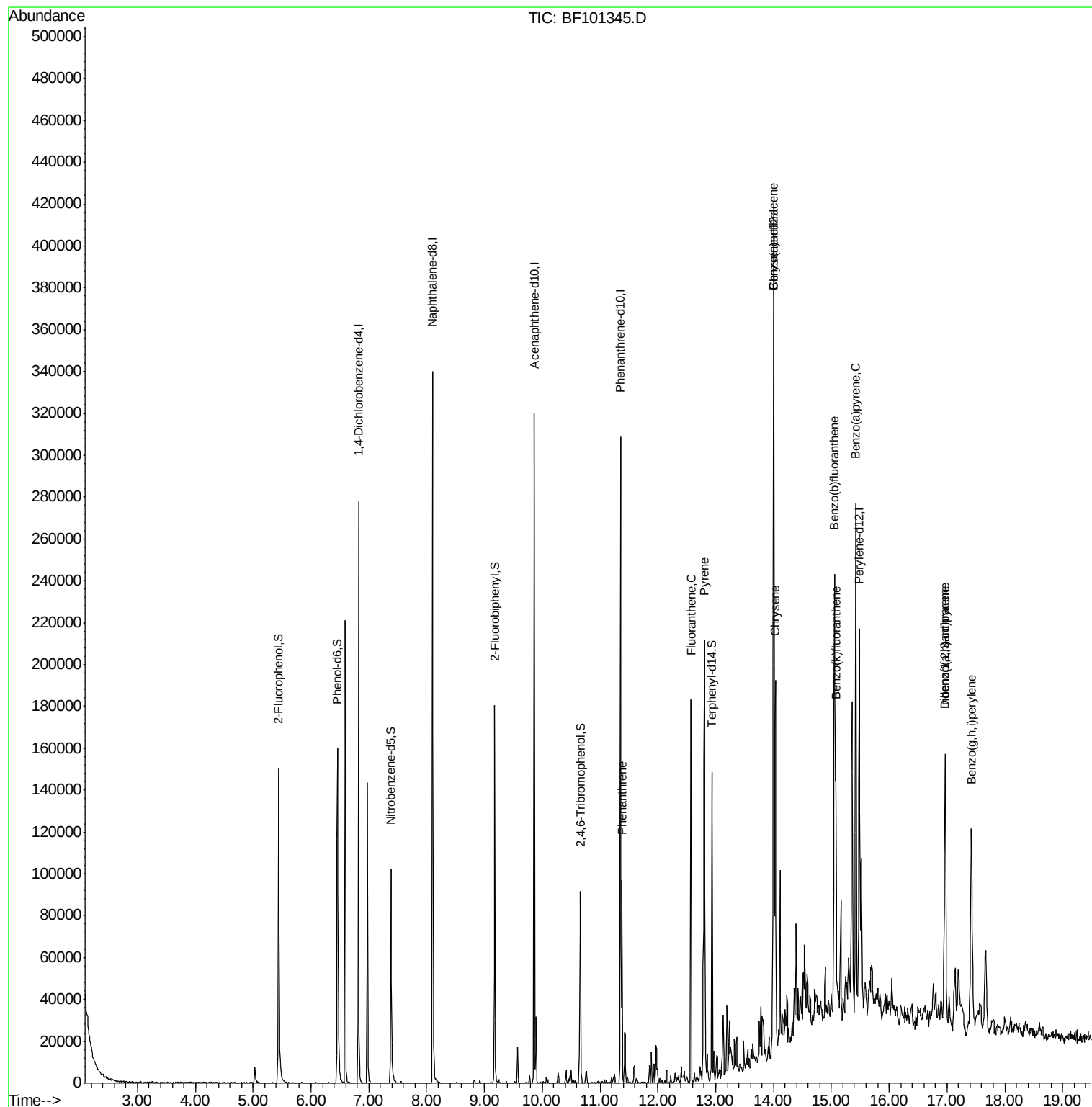
Data Path : Z:\HPCHEM1\BNA F\DATA\BF121217\
Data File : BF101345.D
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Operator : SJ/JU
Sample : I6822-04 5X
Misc :
ALS Vial : 20 Sample Multiplier: 1

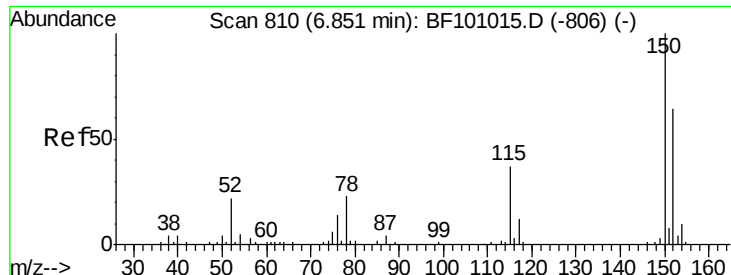
Instrument :
BNA_F
ClientSampleId :
SB-4(10-12)

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Quant Time: Dec 13 11:30:32 2017
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF113017.M
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Response via : Initial Calibration





#1

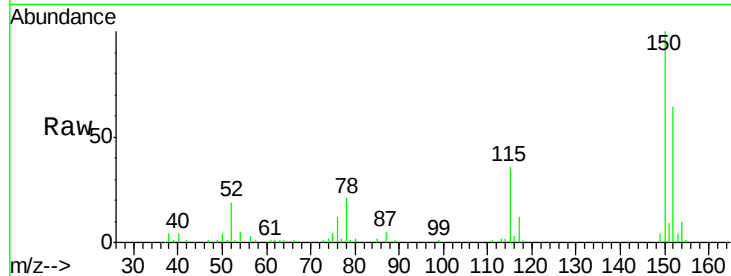
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.82 min Scan# 805
Delta R.T. 0.00 min
Lab File: BF101345.D
Acq: 12 Dec 2017 22:14

Instrument :
BNA_F
ClientSampled :
SB-4(10-12)

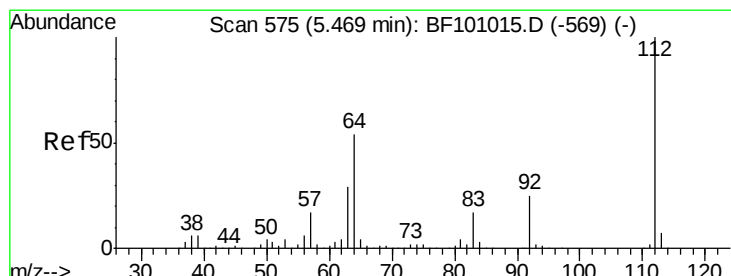
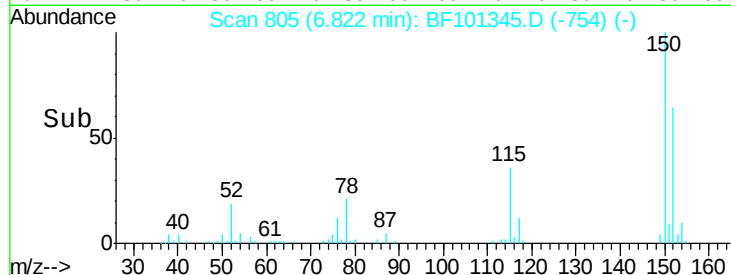
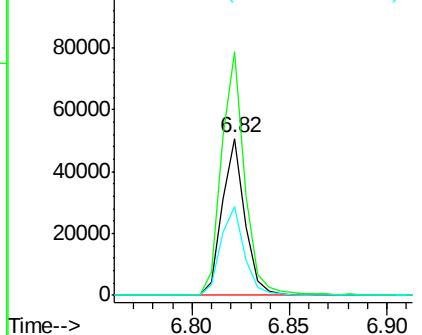
Tot Ion	Ratio	Lower	Upper
152	100		
150	155.4	124.6	186.8
115	56.3	50.1	75.1

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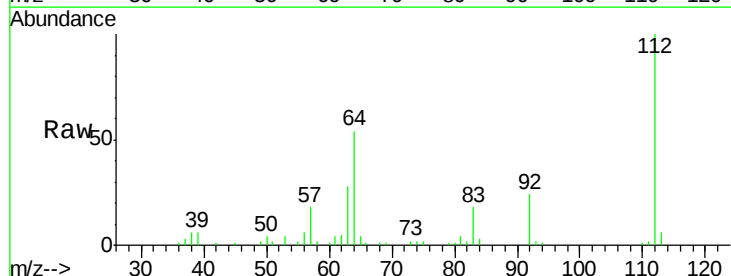
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



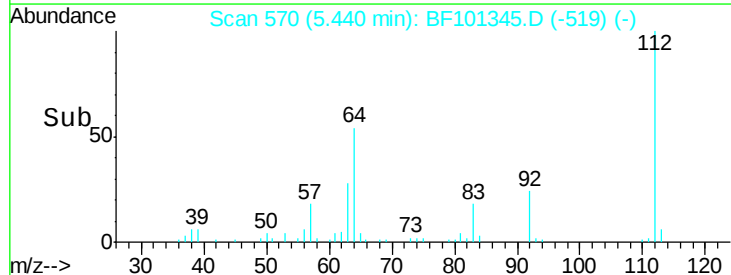
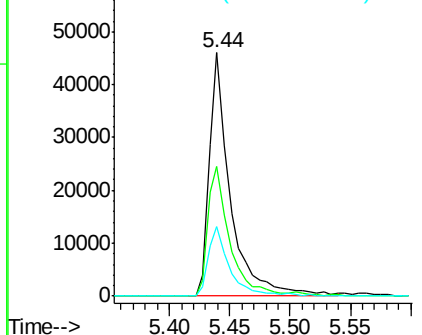
#5

2-Fluorophenol
Concen: 22.346 ng
RT: 5.44 min Scan# 570
Delta R.T. 0.00 min
Lab File: BF101345.D
Acq: 12 Dec 2017 22:14

Tgt Ion	Ratio	Lower	Upper
112	100		
64	53.5	47.9	71.9
63	28.4	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: 22.019 ng

RT: 6.46 min Scan# 743

Delta R.T. -0.01 min

Lab File: BF101345.D

Acq: 12 Dec 2017 22:14

Instrument :

BNA_F

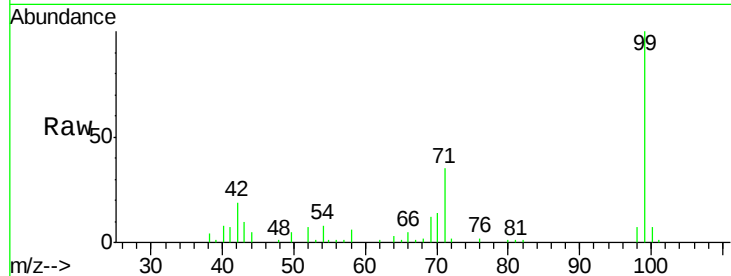
ClientSampleId :

SB-4(10-12)

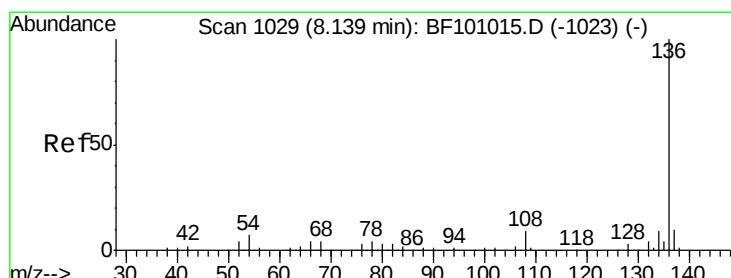
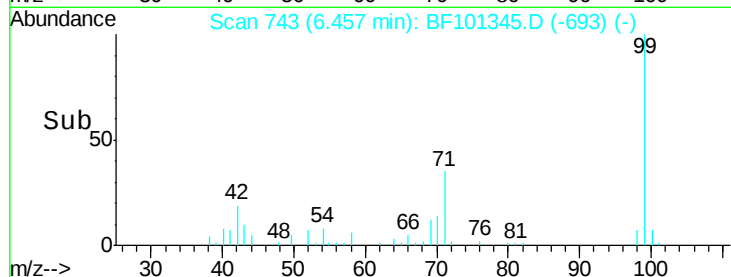
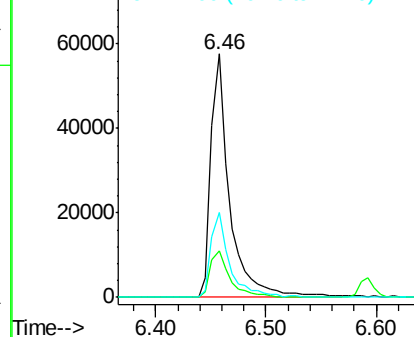
Tot Ion:	99	Resp:	66249
Ion Ratio	Lower	Upper	
99	100		
42	19.3	14.5	21.7
71	34.8	25.4	38.0

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Abundance Ion 99.00 (98.70 to 99.70): BF1
Ion 42.00 (41.70 to 42.70): BF1
Ion 71.00 (70.70 to 71.70): BF1



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.10 min Scan# 1023

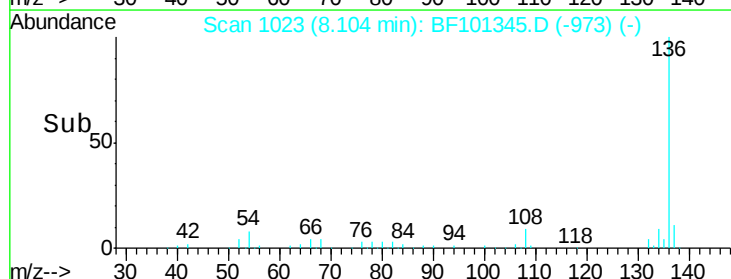
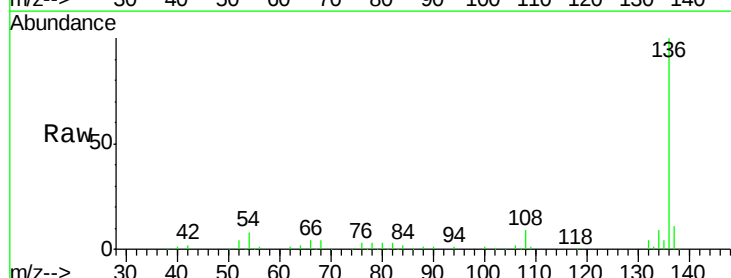
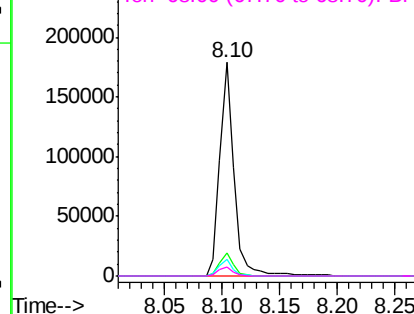
Delta R.T. -0.01 min

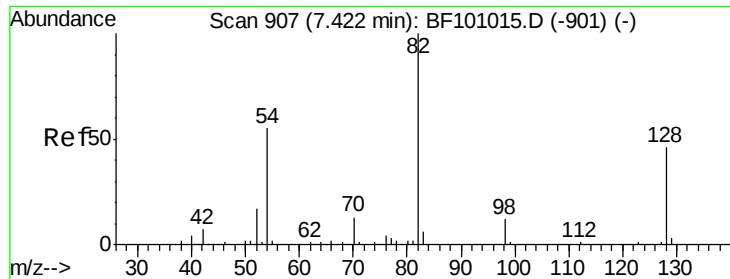
Lab File: BF101345.D

Acq: 12 Dec 2017 22:14

Tgt Ion:	136	Resp:	153891
Ion Ratio	Lower	Upper	
136	100		
137	10.9	8.9	13.3
54	7.7	6.6	9.8
68	4.2	5.0	7.4#

Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF1
Ion 68.00 (67.70 to 68.70): BF1





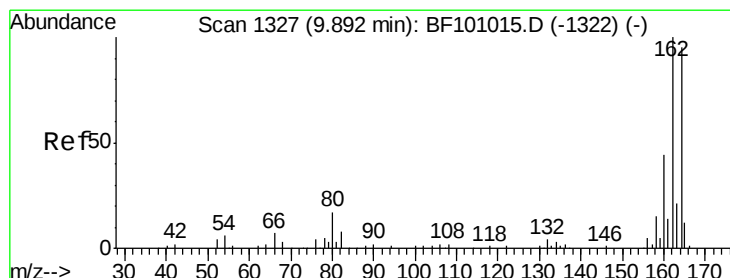
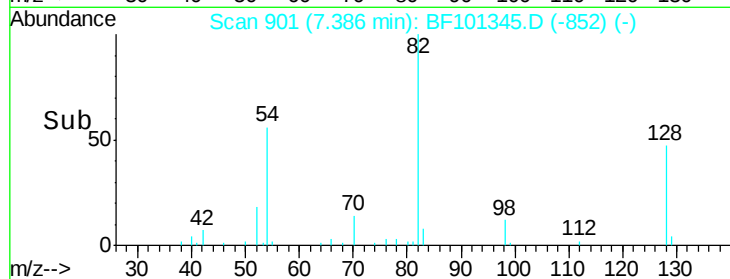
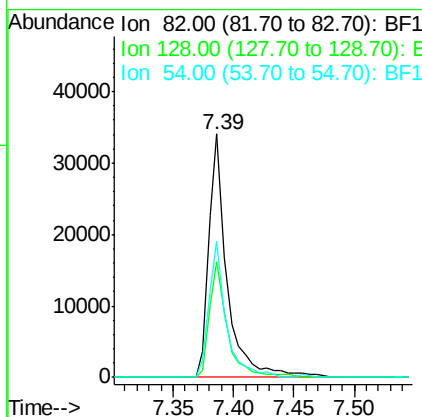
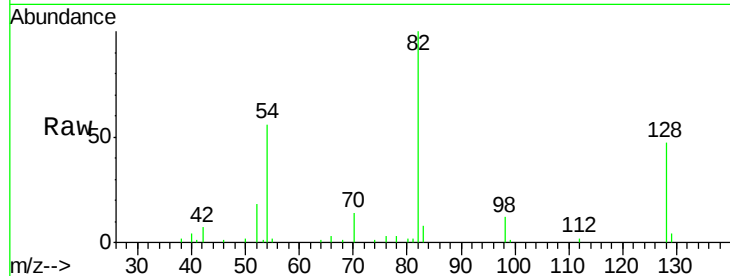
#23
Nitrobenzene-d5
Concen: 13.845 ng
RT: 7.39 min Scan# 901
Delta R.T. -0.01 min
Lab File: BF101345.D
Acq: 12 Dec 2017 22:14

Instrument :
BNA_F
ClientSampled :
SB-4(10-12)

Tot Ion	82	Resp	35717
Ion Ratio	Lower	Upper	
82	100		
128	47.5	36.1	54.1
54	55.8	41.4	62.2

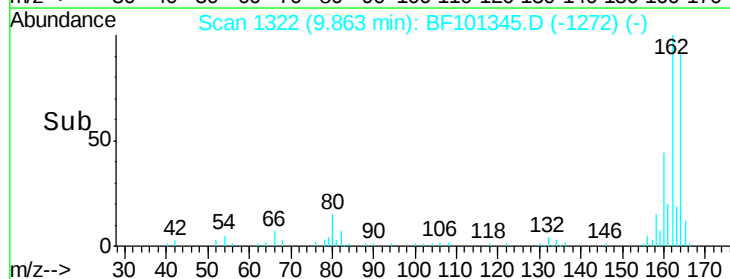
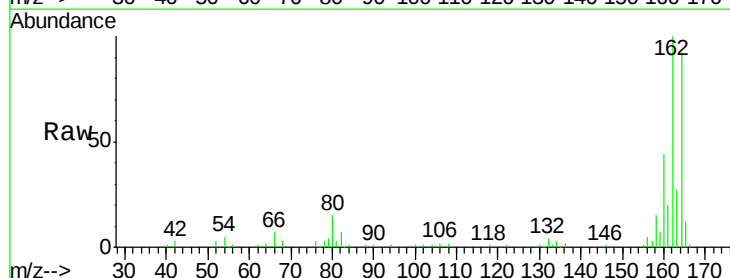
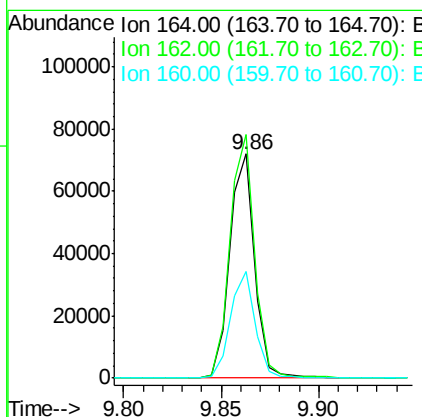
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#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.86 min Scan# 1322
Delta R.T. -0.01 min
Lab File: BF101345.D
Acq: 12 Dec 2017 22:14

Tgt Ion	164	Resp	63322
Ion Ratio	Lower	Upper	
164	100		
162	108.7	86.1	129.1
160	47.4	38.3	57.5





#41

2,4,6-Tribromophenol

Concen: 17.927 ng

RT: 10.66 min Scan# 1457

Delta R.T. -0.01 min

Lab File: BF101345.D

Acq: 12 Dec 2017 22:14

Instrument :

BNA_F

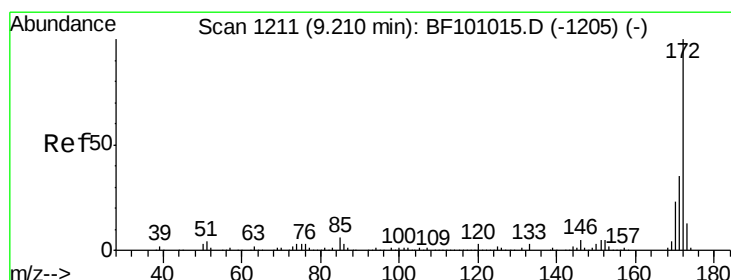
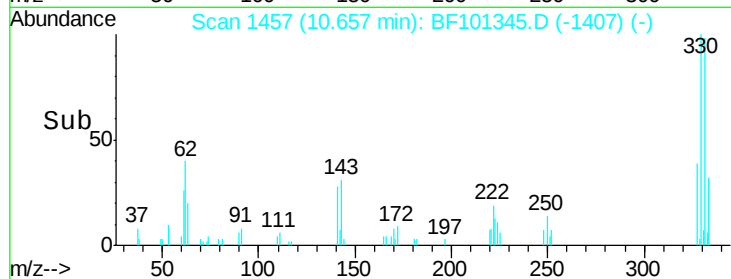
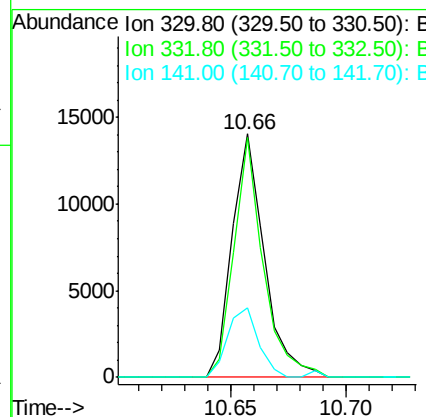
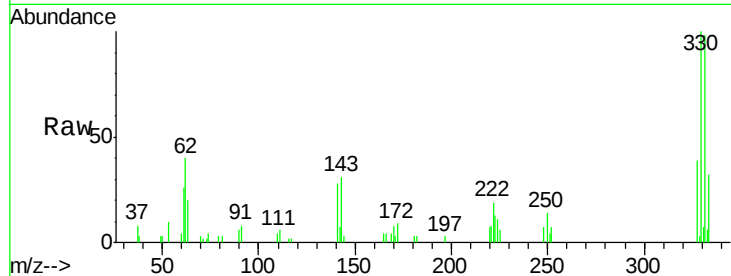
ClientSampleId :

SB-4(10-12)

Tot Ion:	330	Resp:	13637
Ion Ratio	Lower	Upper	
330	100		
332	89.6	77.0	115.6
141	27.3	29.9	44.9#

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#44

2-Fluorobiphenyl

Concen: 12.601 ng

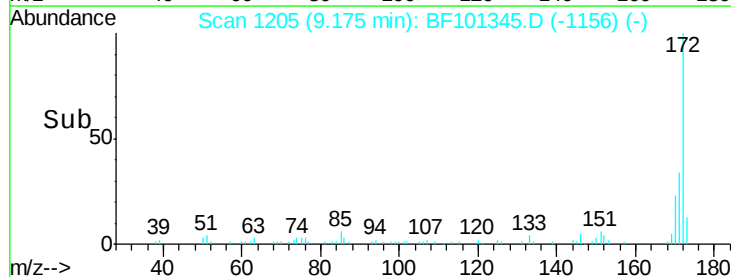
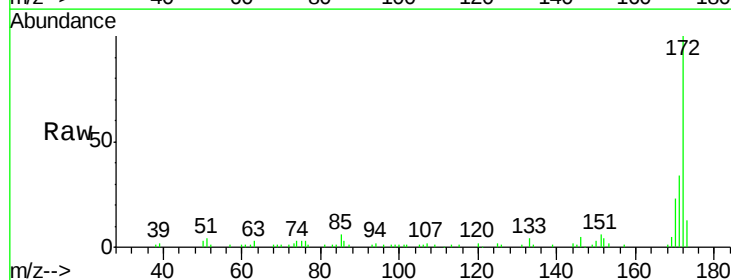
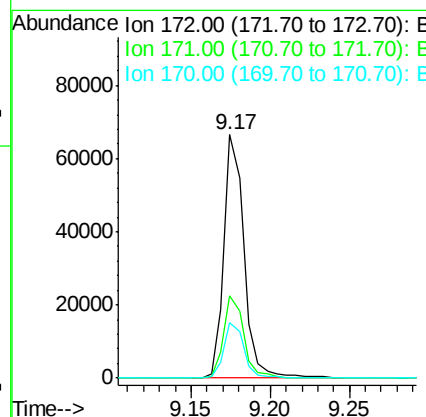
RT: 9.17 min Scan# 1205

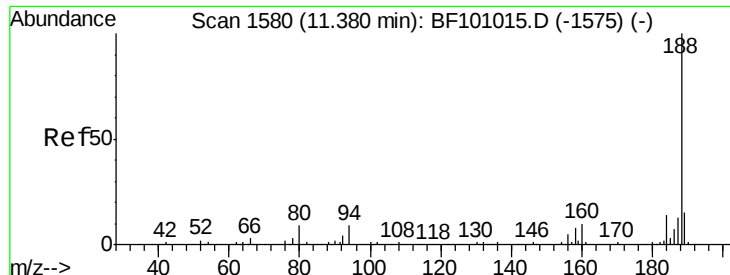
Delta R.T. -0.01 min

Lab File: BF101345.D

Acq: 12 Dec 2017 22:14

Tgt Ion:	172	Resp:	58321
Ion Ratio	Lower	Upper	
172	100		
171	33.9	29.7	44.5
170	22.9	19.6	29.4





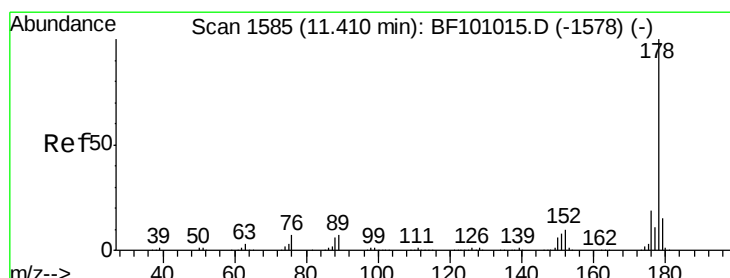
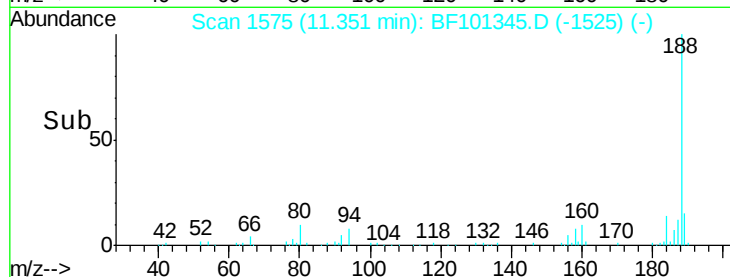
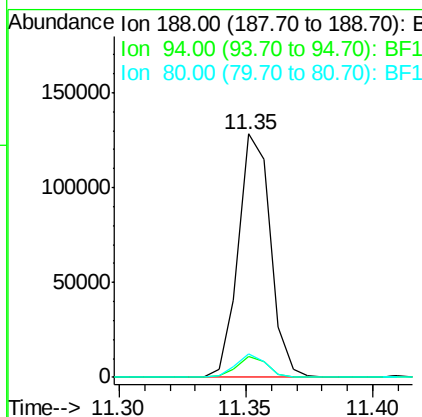
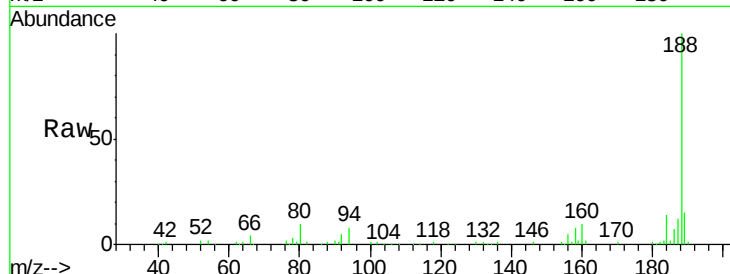
#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.35 min Scan# 1575
Delta R.T. -0.01 min
Lab File: BF101345.D
Acq: 12 Dec 2017 22:14

Instrument :
BNA_F
ClientSampleId :
SB-4(10-12)

Tot Ion	Ratio	Resp Lower	Upper
188	100		
94	8.3	8.5	12.7#
80	9.8	9.2	13.8

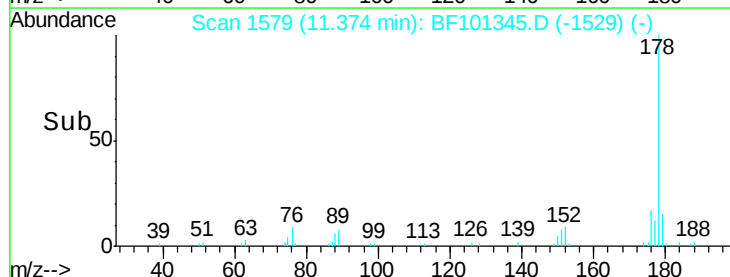
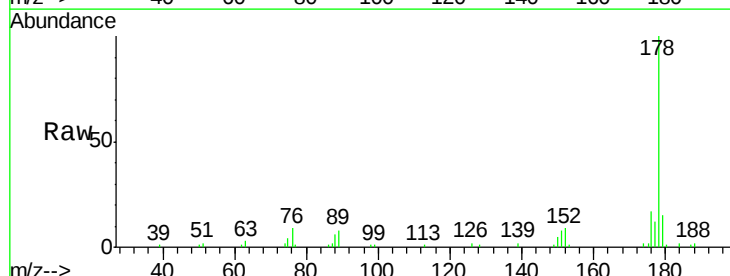
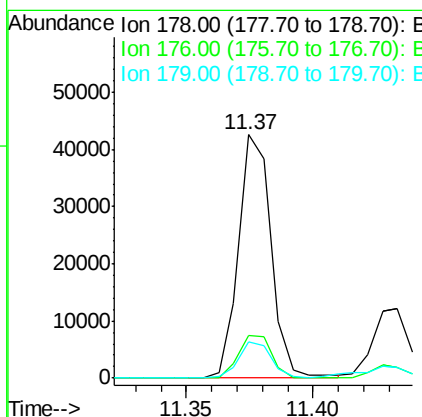
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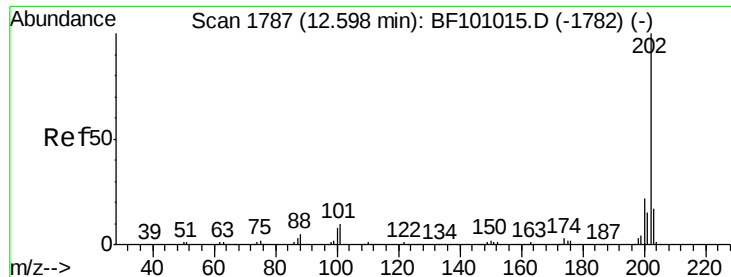
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#70
Phenanthrene
Concen: 6.096 ng
RT: 11.37 min Scan# 1579
Delta R.T. -0.01 min
Lab File: BF101345.D
Acq: 12 Dec 2017 22:14

Tgt Ion	Ratio	Resp Lower	Upper
178	100		
176	17.4	15.8	23.8
179	14.9	13.0	19.6





#74

Fluoranthene

Concen: 11.313 ng

RT: 12.57 min Scan# 1783

Delta R.T. 0.01 min

Lab File: BF101345.D

Acq: 12 Dec 2017 22:14

Instrument :

BNA_F

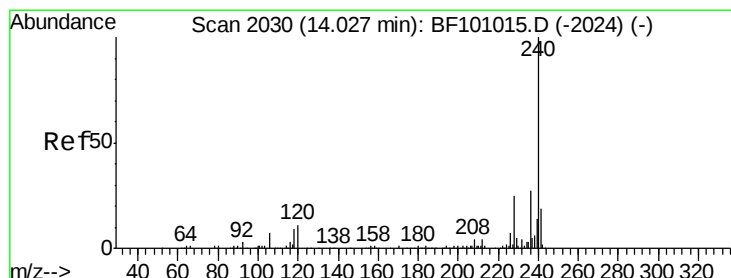
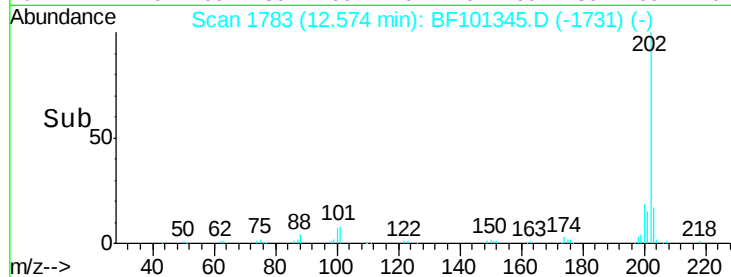
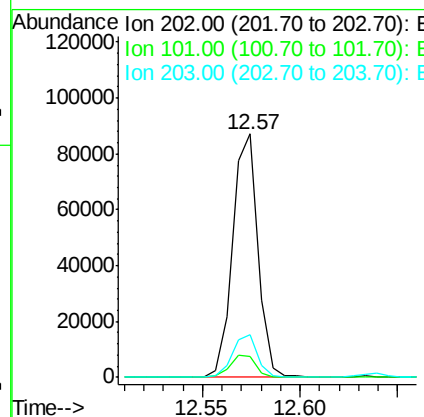
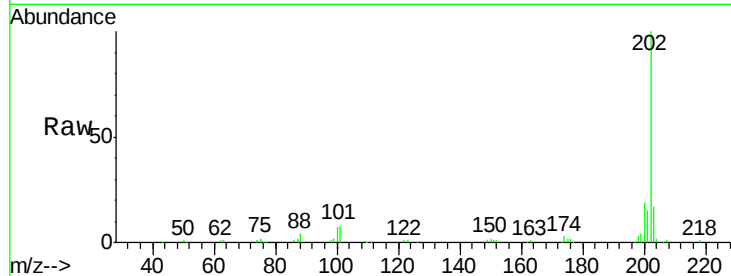
ClientSampled :

SB-4(10-12)

Tot Ion:	202	Resp:	78247
Ion Ratio	Lower	Upper	
202	100		
101	8.4	0.0	34.1
203	17.3	0.0	38.1

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#75

Chrysene-d12

Concen: 20.000 ng

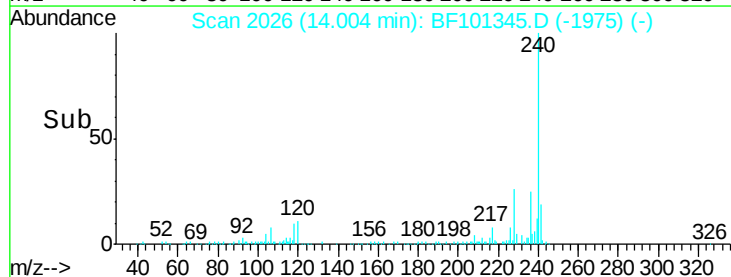
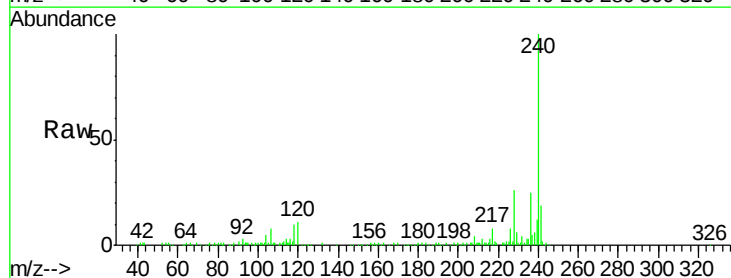
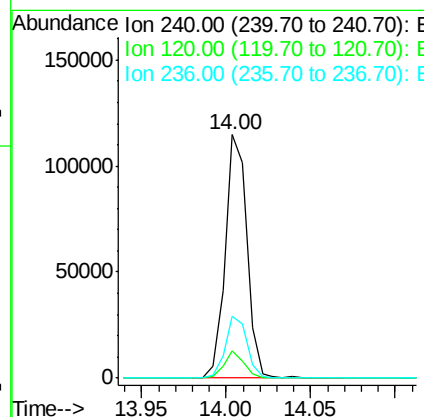
RT: 14.00 min Scan# 2026

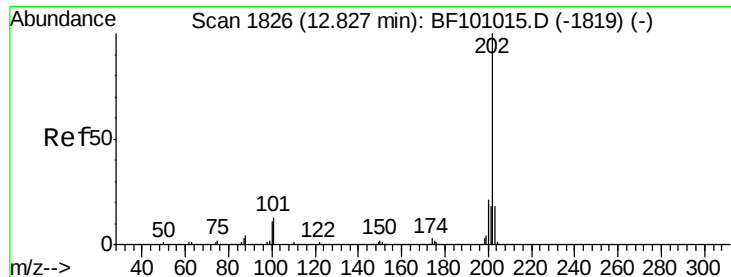
Delta R.T. 0.00 min

Lab File: BF101345.D

Acq: 12 Dec 2017 22:14

Tgt Ion:	240	Resp:	103039
Ion Ratio	Lower	Upper	
240	100		
120	11.3	9.5	14.3
236	25.4	20.7	31.1





#77

Pvrene

Concen: 12.848 ng

RT: 12.80 min Scan# 1822

Delta R.T. 0.00 min

Lab File: BF101345.D

Acq: 12 Dec 2017 22:14

Instrument :

BNA_F

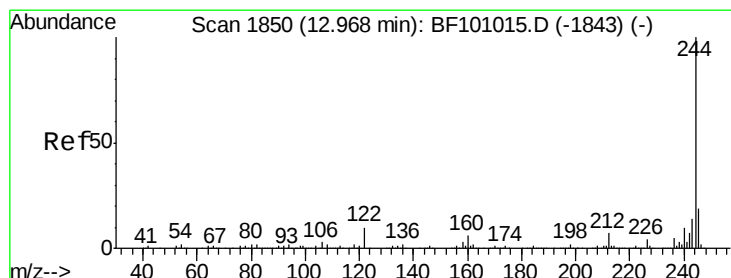
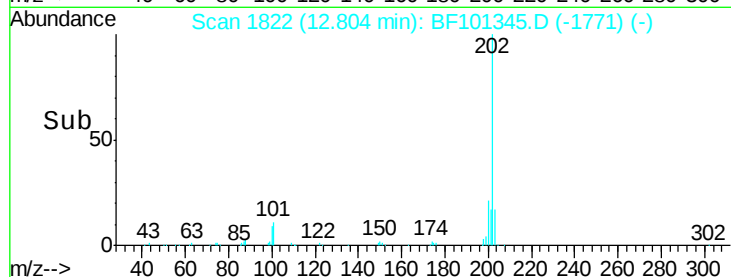
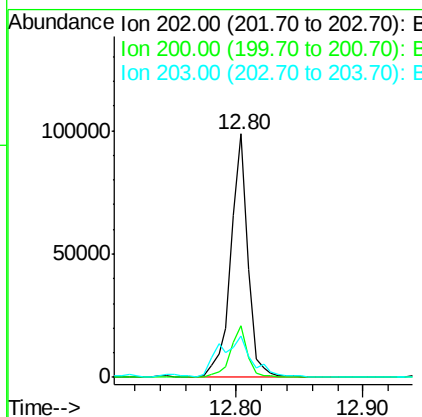
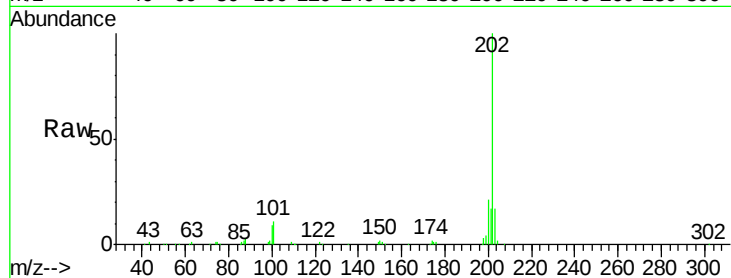
ClientSampled :

SB-4(10-12)

Tot Ion:	202	Resp:	91352
Ion Ratio	Lower	Upper	
202	100		
200	21.4	17.4	26.2
203	17.0	14.3	21.5

Manual Integrations
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#78

Terphenyl-d14

Concen: 10.489 ng

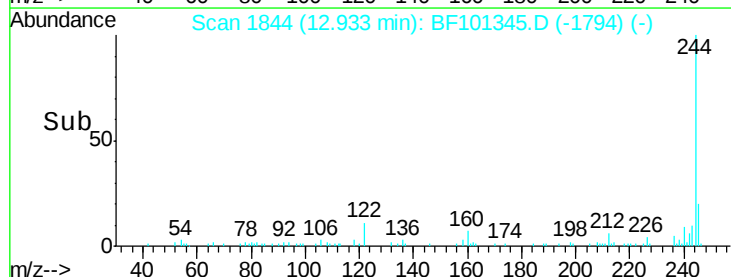
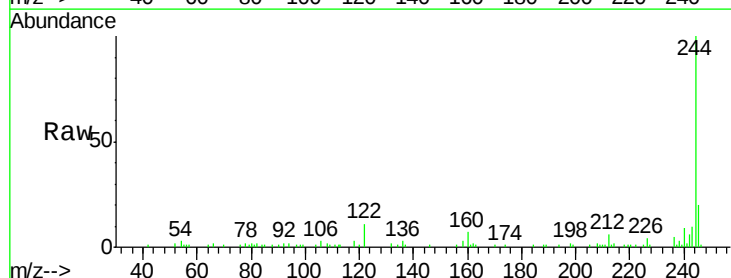
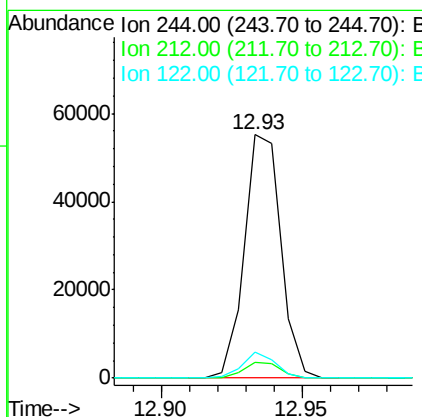
RT: 12.93 min Scan# 1844

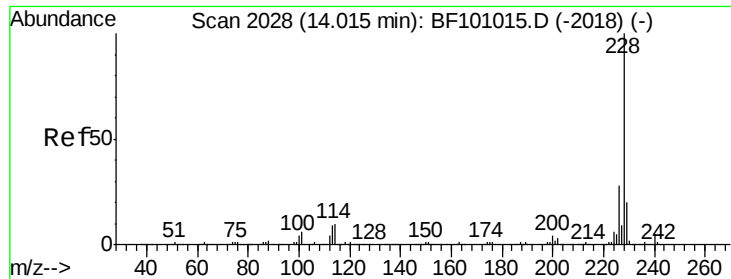
Delta R.T. -0.01 min

Lab File: BF101345.D

Acq: 12 Dec 2017 22:14

Tgt Ion:	244	Resp:	49413
Ion Ratio	Lower	Upper	
244	100		
212	6.4	5.4	8.0
122	10.8	11.0	16.4#





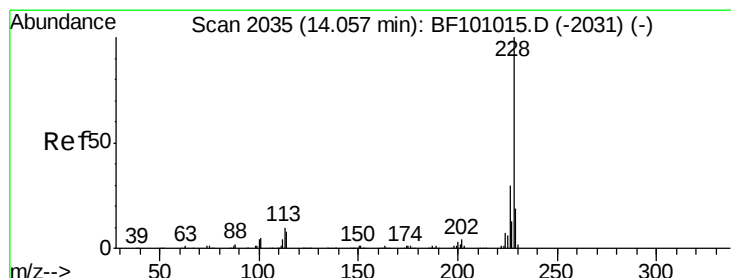
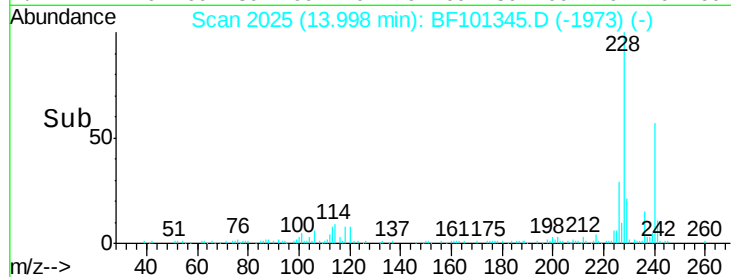
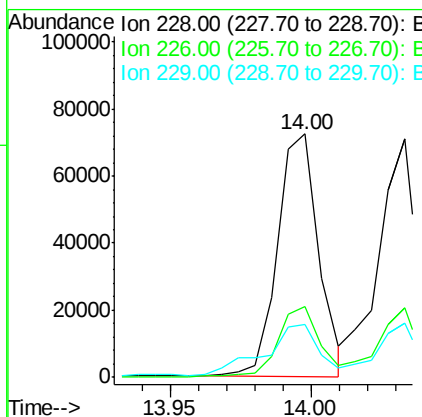
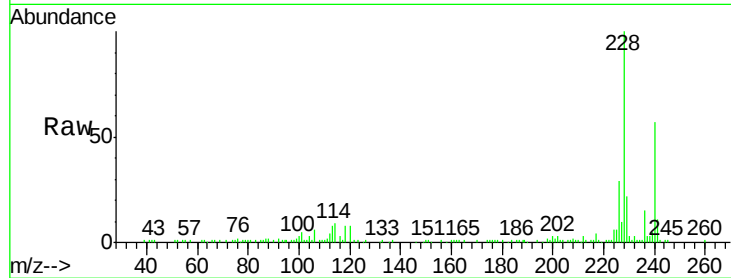
#80
Benzo(a)anthracene
Concen: 11.226 ng
RT: 14.00 min Scan# 2025
Delta R.T. 0.01 min
Lab File: BF101345.D
Acq: 12 Dec 2017 22:14

Instrument :
BNA_F
ClientSampled :
SB-4(10-12)

Tot Ion	Ratio	Lower	Upper
228	100		
226	29.2	22.6	33.8
229	21.8	15.8	23.6

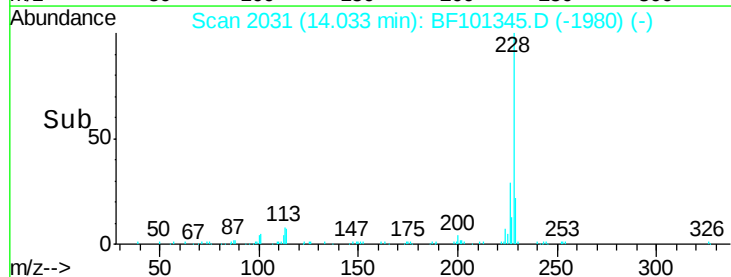
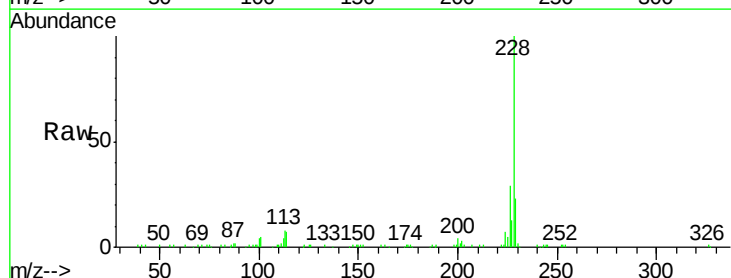
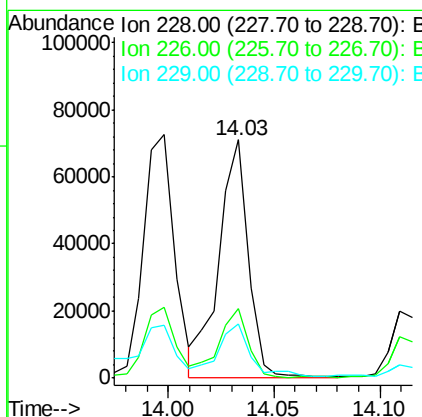
Manual Integrations
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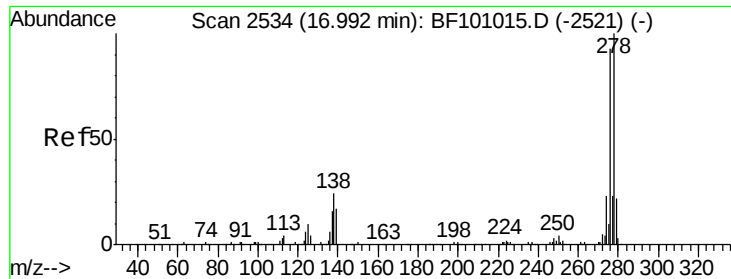
Sohil
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#82
Chrysene
Concen: 11.308 ng
RT: 14.03 min Scan# 2031
Delta R.T. 0.00 min
Lab File: BF101345.D
Acq: 12 Dec 2017 22:14

Tgt Ion	Ratio	Lower	Upper
228	100		
226	29.0	25.0	37.6
229	22.7	16.2	24.4





#85

Indeno(1,2,3-cd)pyrene

Concen: 15.410 ng

RT: 16.97 min Scan# 2530

Delta R.T. 0.02 min

Lab File: BF101345.D

Acq: 12 Dec 2017 22:14

Instrument :

BNA_F

ClientSampleID :

SB-4(10-12)

Tot Ion:276 Resp: 82774

Ion Ratio Lower Upper

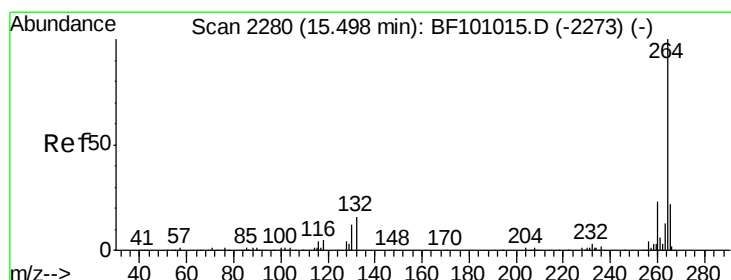
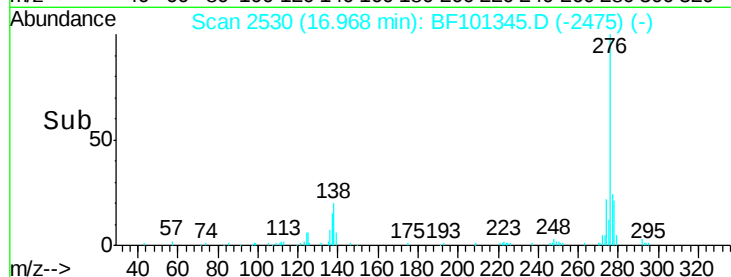
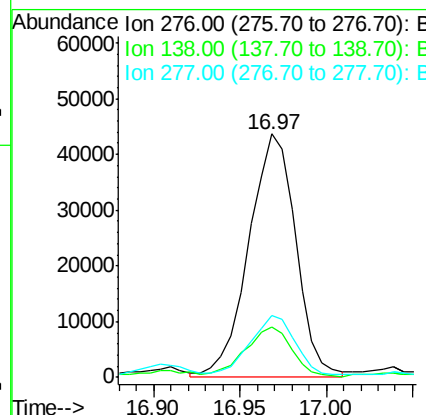
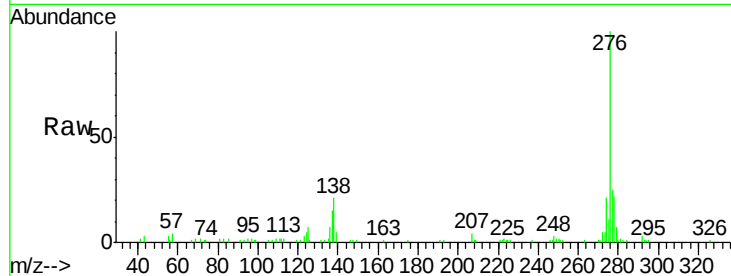
276 100

138 3.4 25.0 37.6#

277 3.1 20.1 30.1#

Manual Integrations
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#86

Perylene-d12

Concen: 20.000 ng

RT: 15.49 min Scan# 2278

Delta R.T. 0.02 min

Lab File: BF101345.D

Acq: 12 Dec 2017 22:14

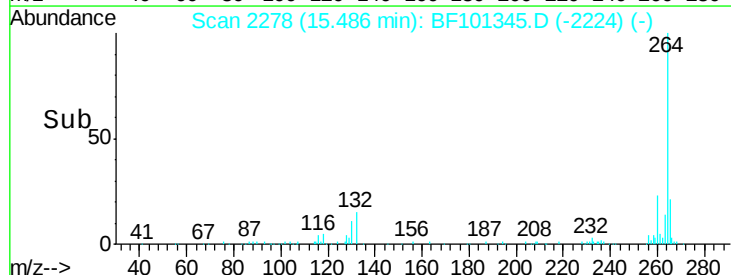
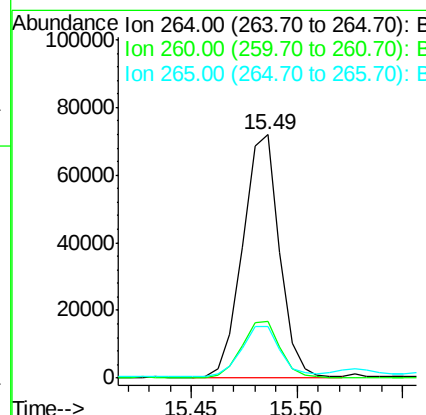
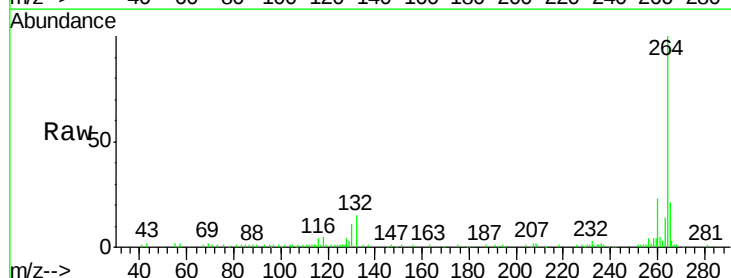
Tgt Ion:264 Resp: 87534

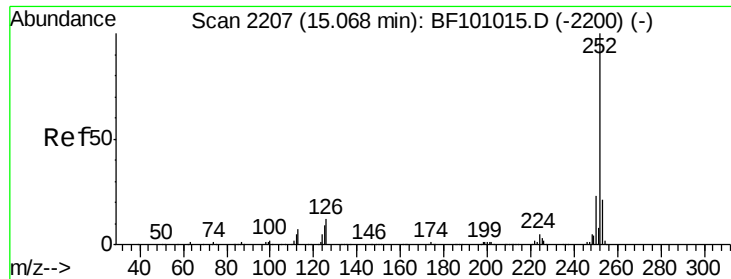
Ion Ratio Lower Upper

264 100

260 23.4 19.2 28.8

265 21.3 17.5 26.3





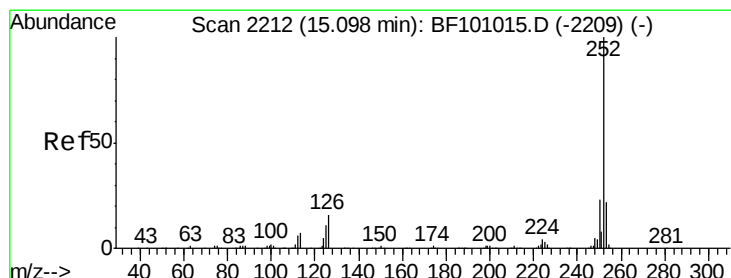
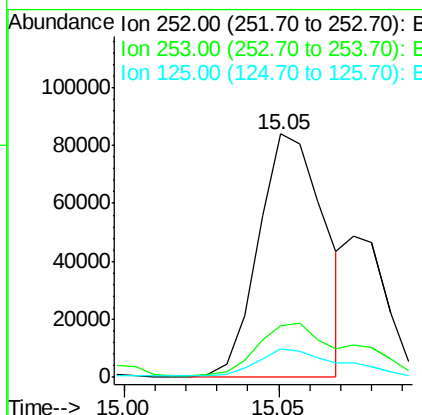
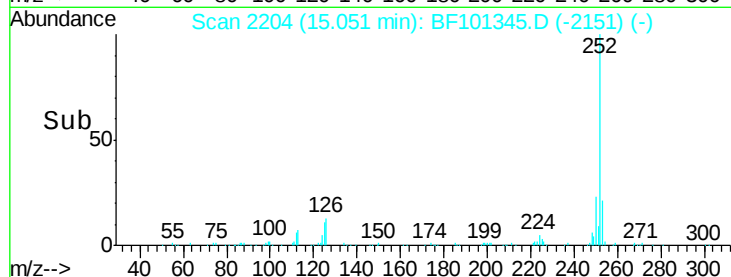
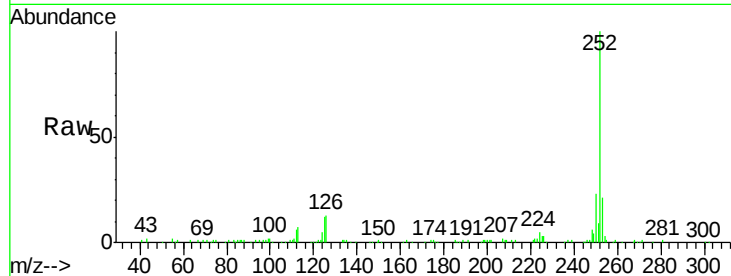
#87
Benzo(b)fluoranthene
Concen: 23.673 ng m
RT: 15.05 min Scan# 2204
Delta R.T. 0.01 min
Lab File: BF101345.D
Acq: 12 Dec 2017 22:14

Instrument :
BNA_F
ClientSampleId :
SB-4(10-12)

Tot Ion	Ratio	Lower	Upper
252	100		
253	21.3	17.0	25.6
125	11.6	9.0	13.6

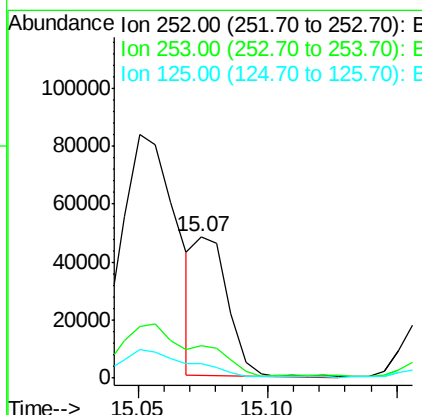
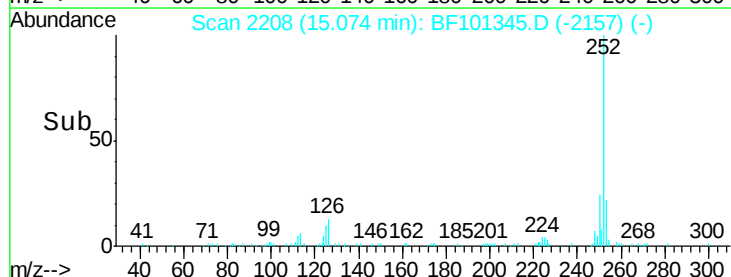
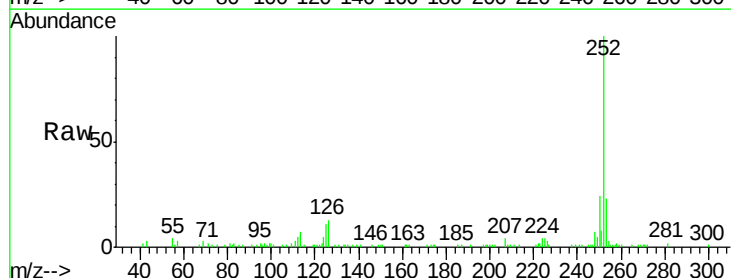
Manual Integrations
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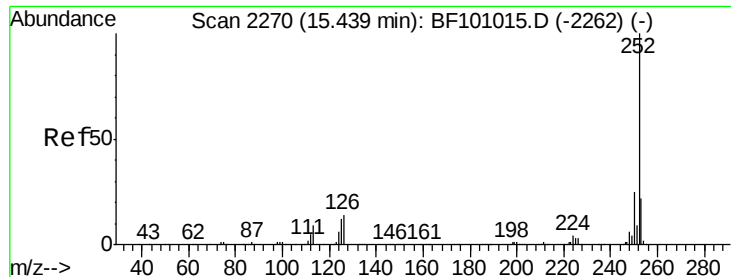
Sohil
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#88
Benzo(k)fluoranthene
Concen: 8.254 ng m
RT: 15.07 min Scan# 2208
Delta R.T. 0.00 min
Lab File: BF101345.D
Acq: 12 Dec 2017 22:14

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.9	17.9	26.9
125	10.5	10.2	15.2





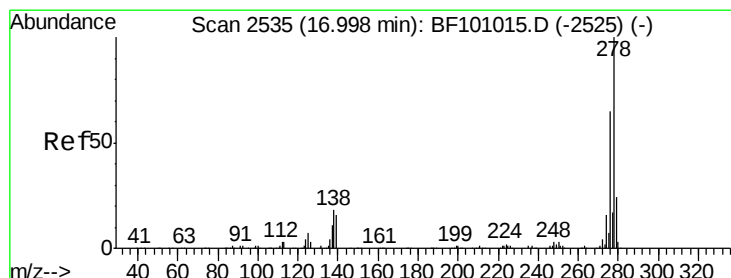
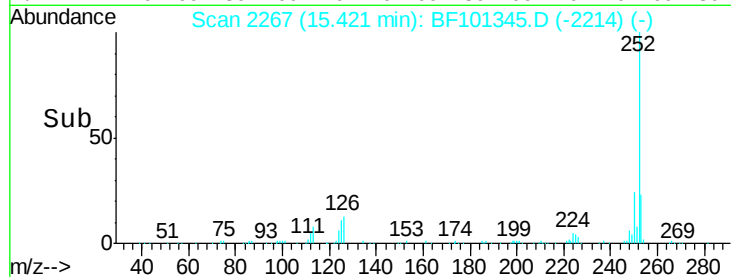
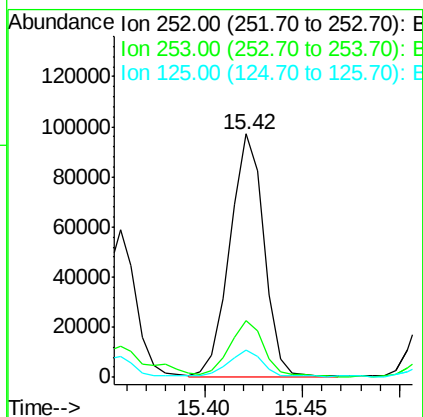
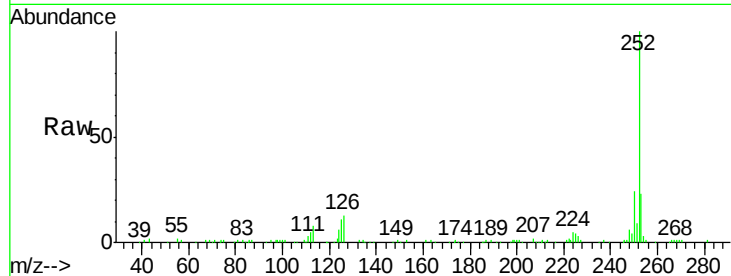
#89
Benzo(a)pyrene
Concen: 24.618 ng
RT: 15.42 min Scan# 2267
Delta R.T. 0.01 min
Lab File: BF101345.D
Acq: 12 Dec 2017 22:14

Instrument :
BNA_F
ClientSampleId :
SB-4(10-12)

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.4	17.1	25.7
125	11.2	9.8	14.6

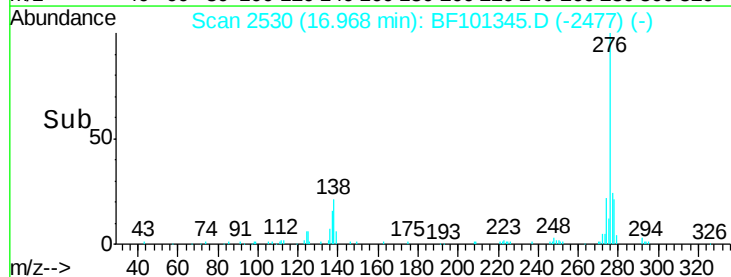
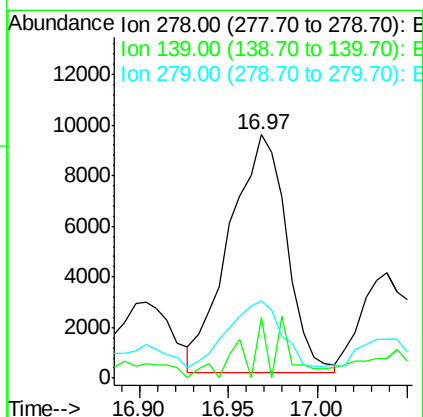
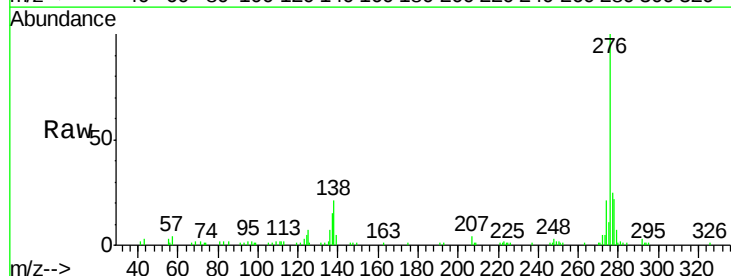
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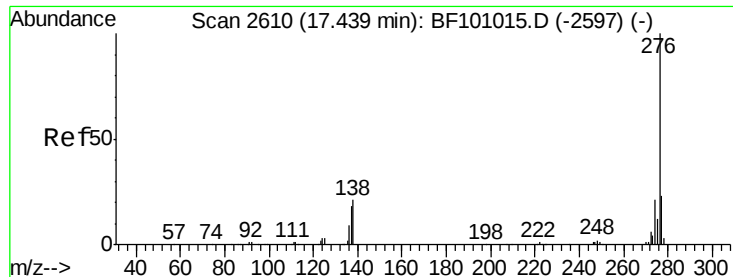
Sohil
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#90
Dibenzo(a,h)anthracene
Concen: 4.979 ng m
RT: 16.97 min Scan# 2530
Delta R.T. 0.01 min
Lab File: BF101345.D
Acq: 12 Dec 2017 22:14

Tgt Ion	Ratio	Lower	Upper
278	100		
139	25.0	15.9	23.9#
279	31.7	19.0	28.4#





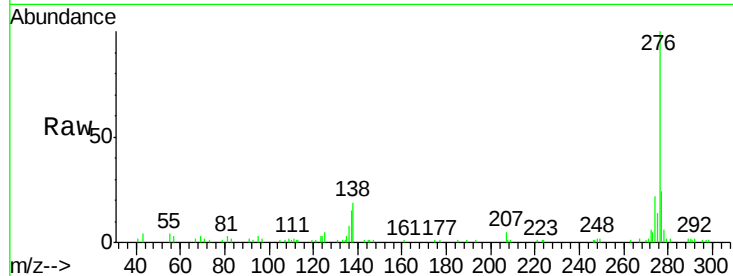
#91
 Benzo(a,h,i)perylene
 Concen: 19.788 ng
 RT: 17.43 min Scan# 2608
 Delta R.T. 0.04 min
 Lab File: BF101345.D
 Acq: 12 Dec 2017 22:14

Instrument :
 BNA_F
 ClientSampleId :
 SB-4(10-12)

Tot Ion:	276	Resp:	78366
Ion Ratio	Lower	Upper	
276	100		
277	24.5	17.9	26.9
138	19.2	21.8	32.8

Manual Integrations
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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

