

Data Path : Z:\HPCHEM1\BNA F\DATA\BF030218\
 Data File : BF103386.D
 Acq On : 3 Mar 2018 00:34
 Operator : SJ/JU
 Sample : J1724-05
 Misc :
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SP-10

Manual Integrations
 APPROVED

Sohil
 3/5/2018 3:14:06 PM

Quant Time: Mar 03 03:51:25 2018
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF022218.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Mar 02 13:28:09 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.87	152	144305	20.00	ng	0.00
21) Naphthalene-d8	8.16	136	571877	20.00	ng	0.00
38) Acenaphthene-d10	9.92	164	215274	20.00	ng	0.00
63) Phenanthrene-d10	11.41	188	305983	20.00	ng	0.00
75) Chrysene-d12	14.07	240	225205	20.00	ng	0.00
86) Perylene-d12	15.57	264	151522	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.50	112	935865	98.09	ng	0.00
7) Phenol-d6	6.52	99	1109325	95.02	ng	0.00
23) Nitrobenzene-d5	7.45	82	720253	71.93	ng	0.00
41) 2,4,6-Tribromophenol	10.72	330	137084	75.23	ng	0.00
44) 2-Fluorobiphenyl	9.23	172	969888	75.57	ng	0.00
78) Terphenyl-d14	13.00	244	644001	68.74	ng	0.00
Target Compounds						
10) Phenol	6.53	94	94969	7.007	ng	88
49) Dimethylphthalate	9.63	163	83349	4.826	ng	99
70) Phenanthrene	11.44	178	147026	8.731	ng	98
71) Anthracene	11.49	178	51858	3.003	ng	96
74) Fluoranthene	12.63	202	314171	18.566	ng	98
77) Pyrene	12.86	202	316851	18.046	ng	100
80) Benzo(a)anthracene	14.06	228	149410	10.225	ng	98
82) Chrysene	14.09	228	141715	9.988	ng	98
85) Indeno(1,2,3-cd)pyrene	17.11	276	50438	4.490	ng	98
87) Benzo(b)fluoranthene	15.13	252	145813m	14.636	ng	
88) Benzo(k)fluoranthene	15.16	252	40771m	4.346	ng	
89) Benzo(a)pyrene	15.51	252	93210	10.477	ng	# 91
90) Dibenzo(a,h)anthracene	17.12	278	13841	2.013	ng	# 56
91) Benzo(a,h,i)perylene	17.59	276	52309	7.786	ng	# 82

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

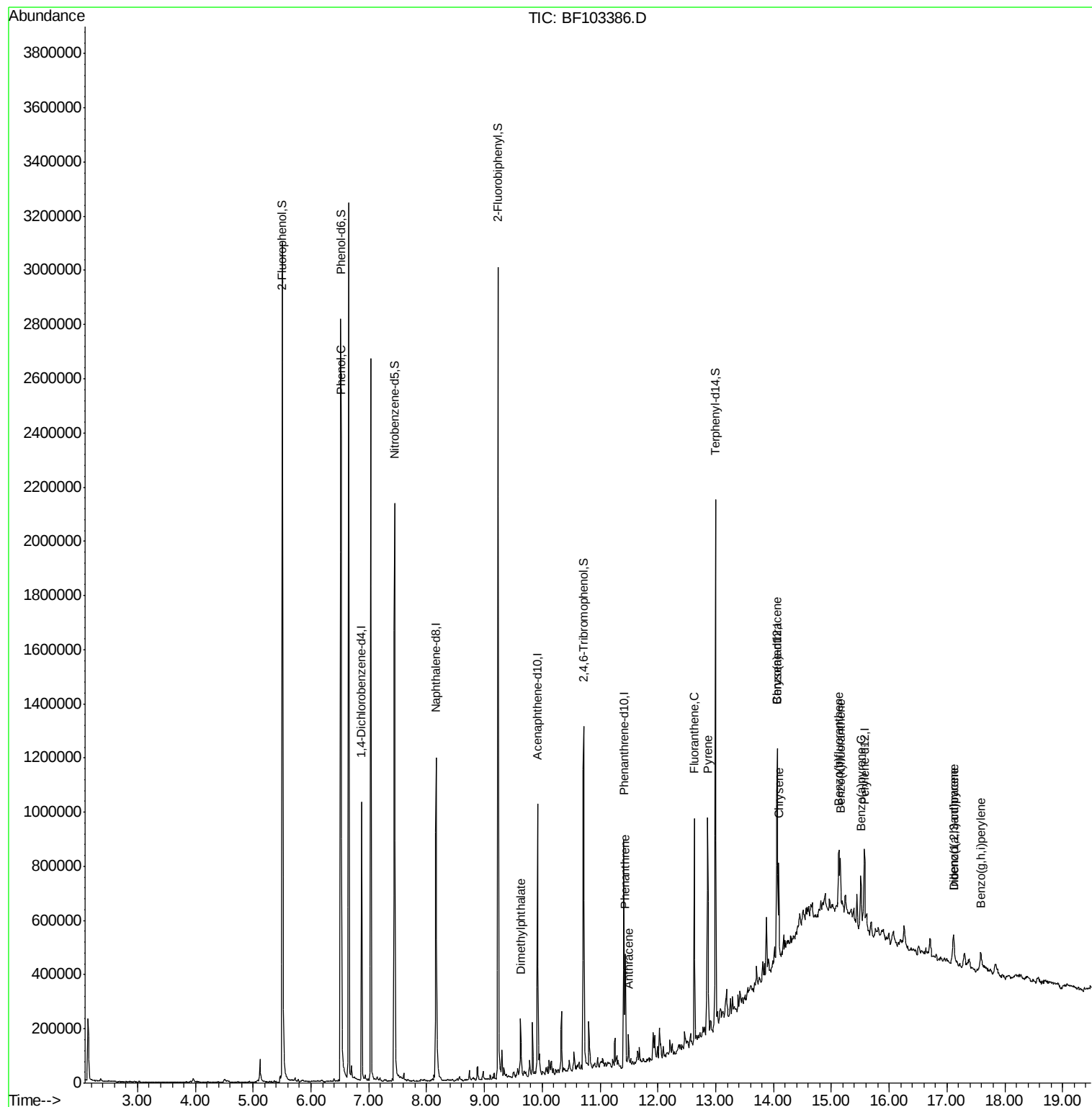
Data Path : Z:\HPCHEM1\BNA F\DATA\BF030218\
Data File : BF103386.D
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ALS Vial : 22 Sample Multiplier: 1

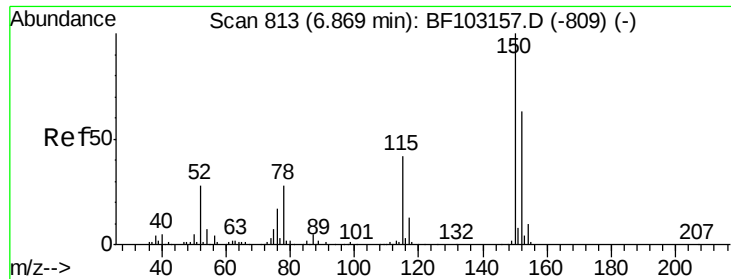
Instrument :
BNA_F
ClientSampleId :
SP-10

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#1

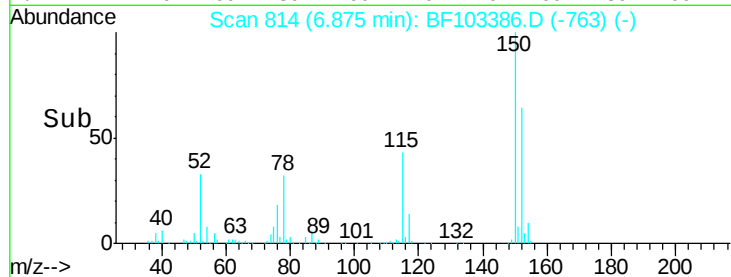
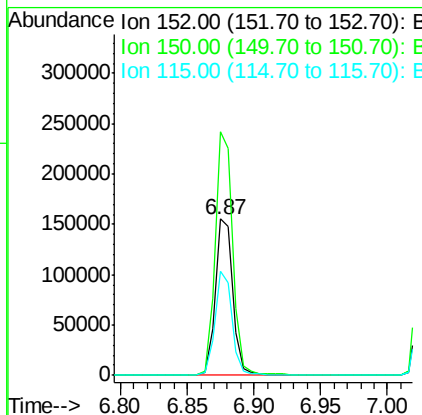
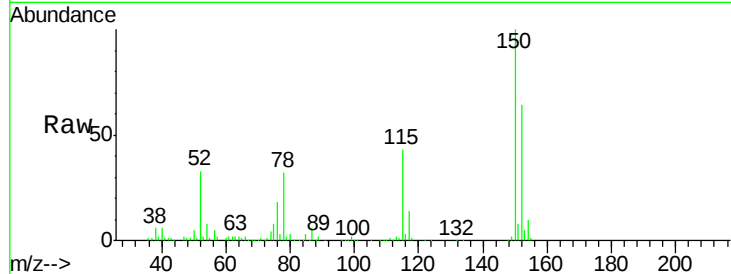
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.87 min Scan# 814
Delta R.T. -0.00 min
Lab File: BF103386.D
Acq: 3 Mar 2018 00:34

Instrument :
BNA_F
ClientSampled :
SP-10

Tot Ion	Ratio	Lower	Upper
152	100		
150	156.1	124.6	186.8
115	66.9	50.1	75.1

Manual Integrations
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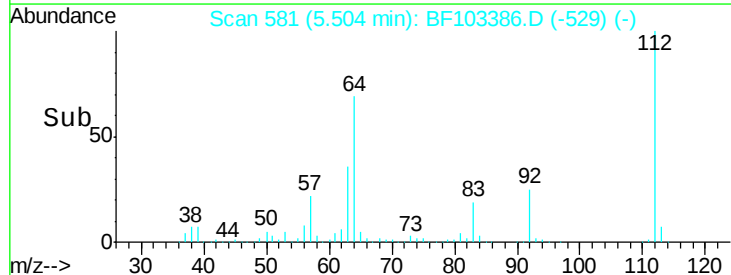
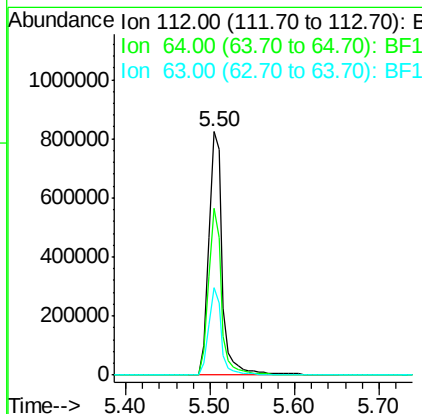
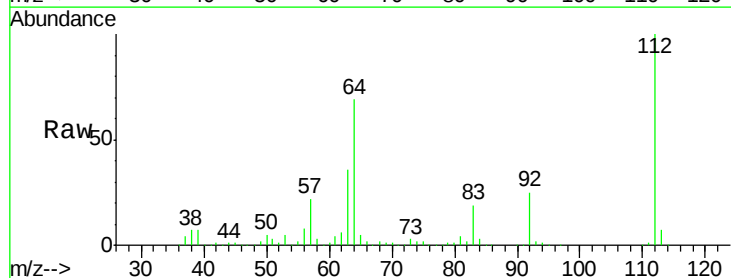
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#5

2-Fluorophenol
Concen: 98.086 ng
RT: 5.50 min Scan# 581
Delta R.T. 0.01 min
Lab File: BF103386.D
Acq: 3 Mar 2018 00:34

Tgt Ion	Ratio	Lower	Upper
112	100		
64	68.7	47.9	71.9
63	36.0	23.7	35.5





#7

Phenol-d6

Concen: 95.016 ng

RT: 6.52 min Scan# 753

Delta R.T. -0.00 min

Lab File: BF103386.D

Acq: 3 Mar 2018 00:34

Instrument :

BNA_F

ClientSampled :

SP-10

Tot Ion: 99 Resp: 1109325

Ion Ratio Lower Upper

99 100

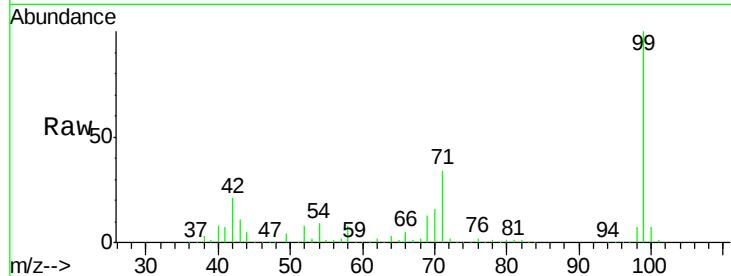
42 21.4 14.5 21.7

71 33.8 25.4 38.0

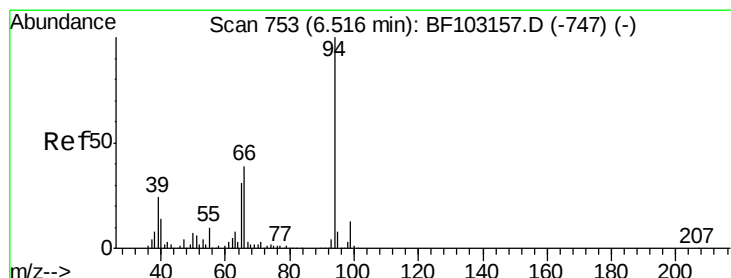
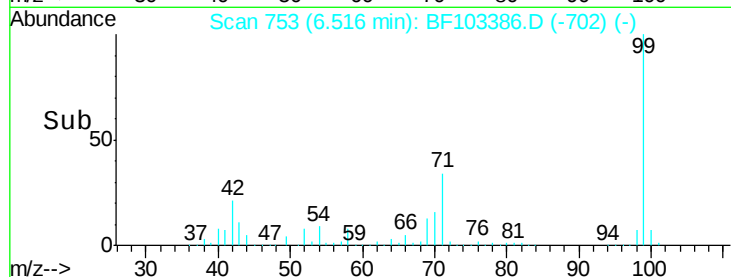
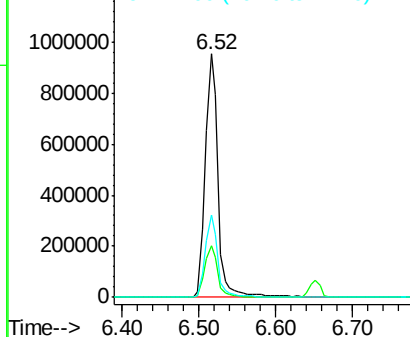
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Abundance Ion 99.00 (98.70 to 99.70): BF1
Ion 42.00 (41.70 to 42.70): BF1
Ion 71.00 (70.70 to 71.70): BF1



#10

Phenol

Concen: 7.007 ng

RT: 6.53 min Scan# 755

Delta R.T. -0.01 min

Lab File: BF103386.D

Acq: 3 Mar 2018 00:34

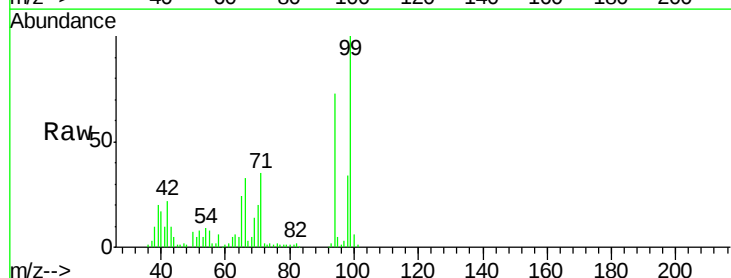
Tgt Ion: 94 Resp: 94969

Ion Ratio Lower Upper

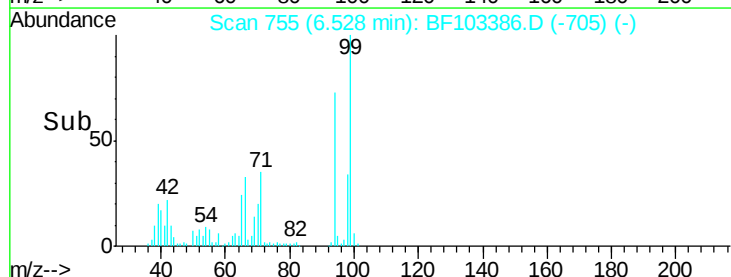
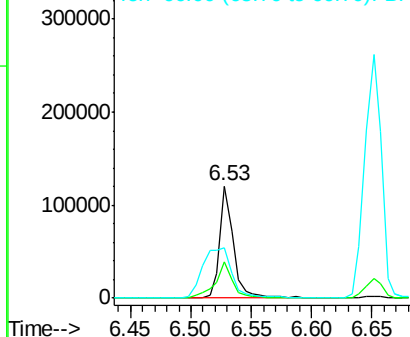
94 100

65 32.3 7.9 47.9

66 44.7 16.2 56.2



Abundance Ion 94.00 (93.70 to 94.70): BF1
Ion 65.00 (64.70 to 65.70): BF1
Ion 66.00 (65.70 to 66.70): BF1





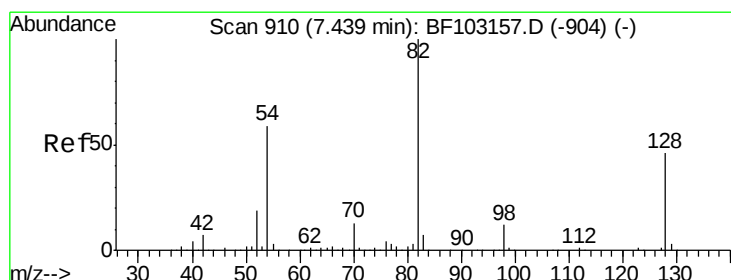
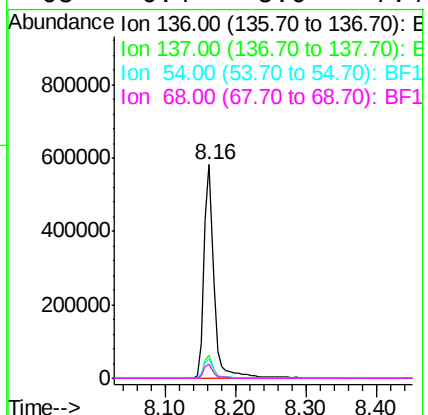
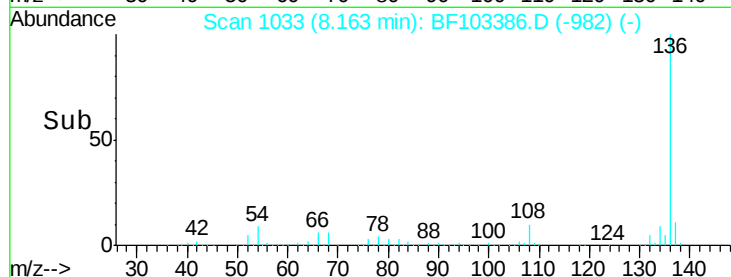
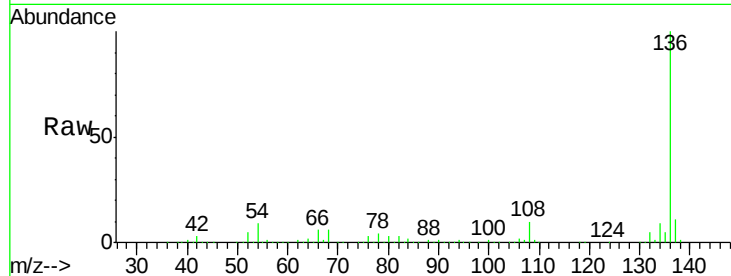
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.16 min Scan# 1033
Delta R.T. -0.00 min
Lab File: BF103386.D
Acq: 3 Mar 2018 00:34

Instrument :
BNA_F
ClientSampleId :
SP-10

Tot Ion	Ion	Ratio	Resp	Lower	Upper
136	100		571877		
137	10.6		8.9	13.3	
54	8.8		6.6	9.8	
68	6.4		5.0	7.4	

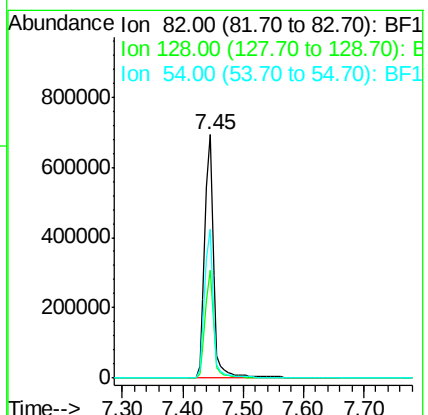
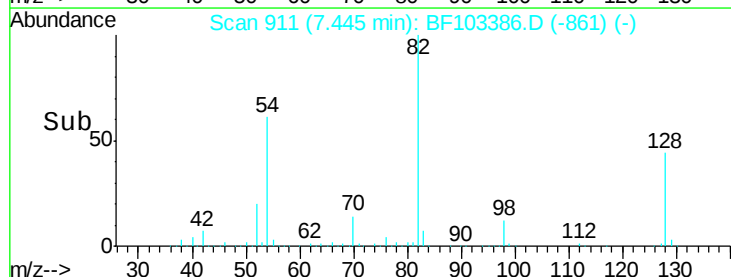
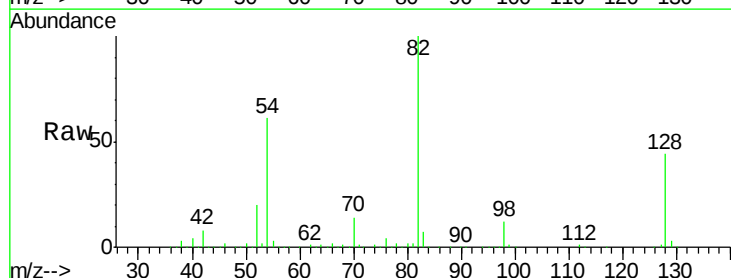
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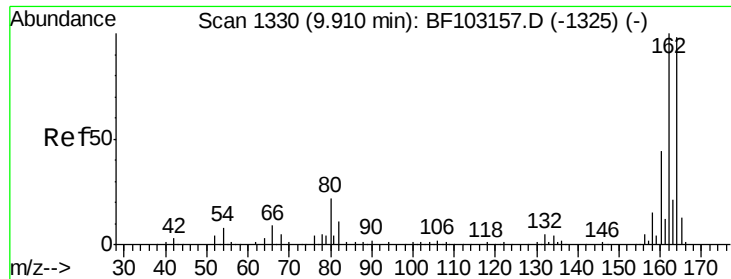
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#23
Nitrobenzene-d5
Concen: 71.925 ng
RT: 7.45 min Scan# 911
Delta R.T. -0.01 min
Lab File: BF103386.D
Acq: 3 Mar 2018 00:34

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
82	100		720253		
128	44.4		36.1	54.1	
54	61.0		41.4	62.2	





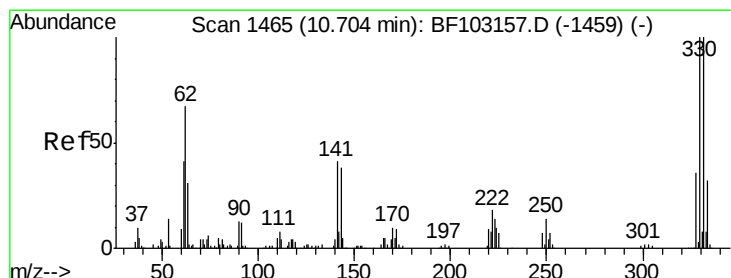
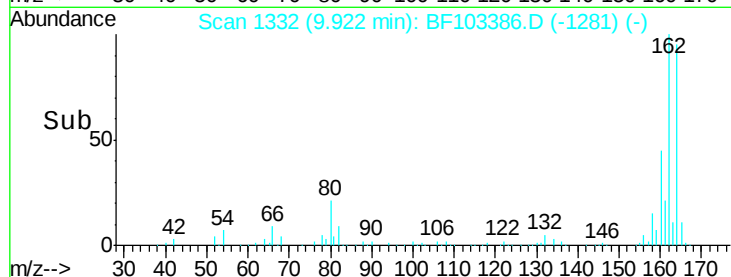
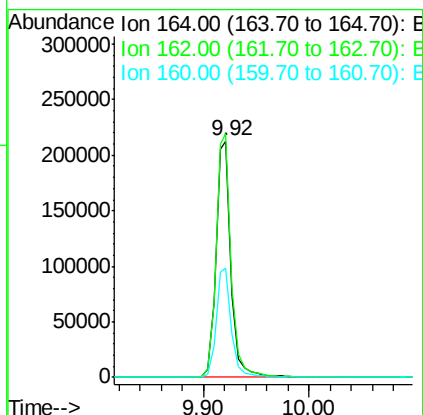
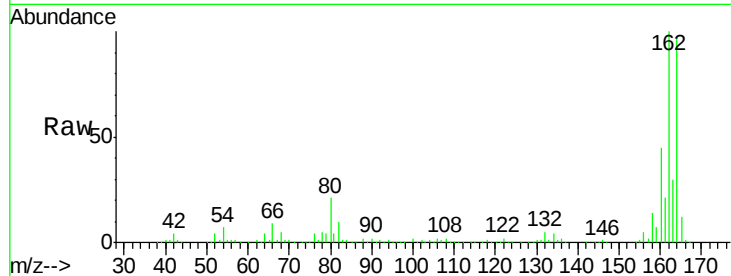
#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.92 min Scan# 1332
Delta R.T. -0.00 min
Lab File: BF103386.D
Acq: 3 Mar 2018 00:34

Instrument :
BNA_F
ClientSampled :
SP-10

Tot Ion	Ratio	Lower	Upper
164	100		
162	103.2	86.1	129.1
160	46.3	38.3	57.5

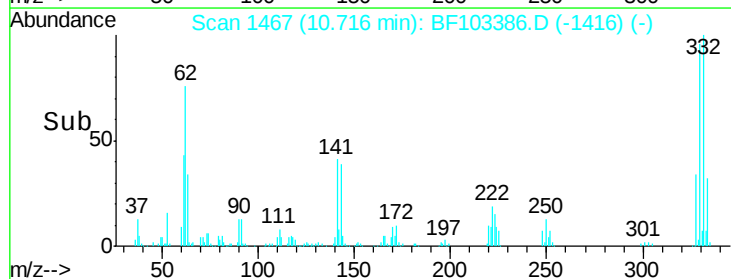
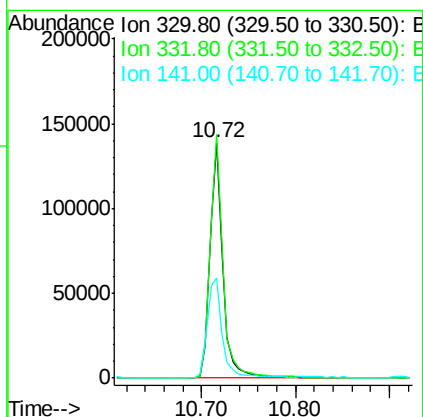
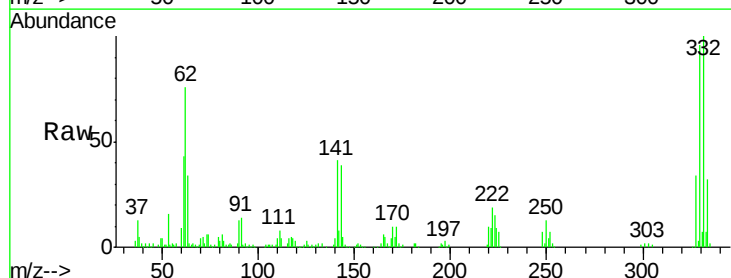
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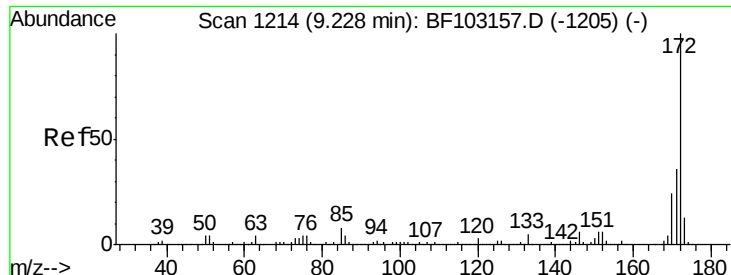
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#41
2,4,6-Tribromophenol
Concen: 75.231 ng
RT: 10.72 min Scan# 1467
Delta R.T. -0.00 min
Lab File: BF103386.D
Acq: 3 Mar 2018 00:34

Tgt Ion	Ratio	Lower	Upper
330	100		
332	104.1	77.0	115.6
141	47.6	29.9	44.9#





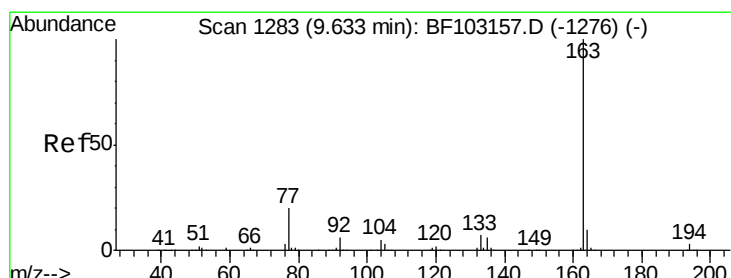
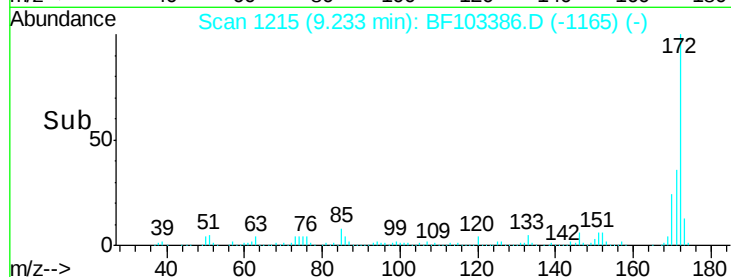
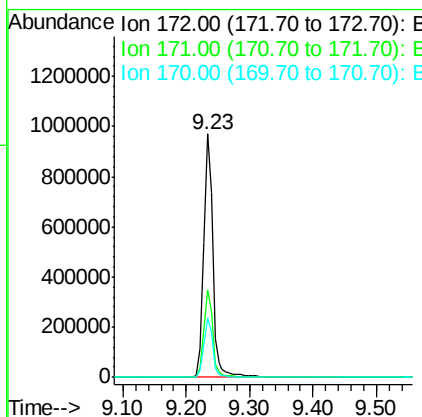
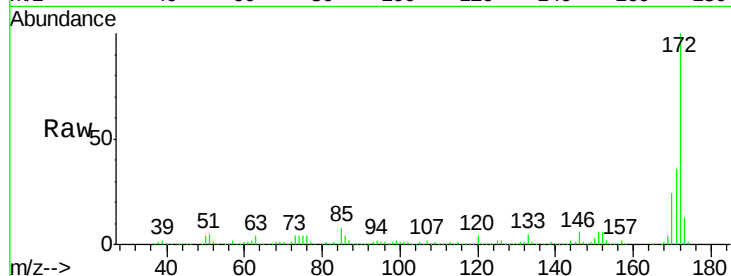
#44
2-Fluorobiphenyl
Concen: 75.574 ng
RT: 9.23 min Scan# 1215
Delta R.T. -0.01 min
Lab File: BF103386.D
Acq: 3 Mar 2018 00:34

Instrument :
BNA_F
ClientSampleId :
SP-10

Tot Ion	Ratio	Lower	Upper
172	100		
171	35.9	29.7	44.5
170	24.2	19.6	29.4

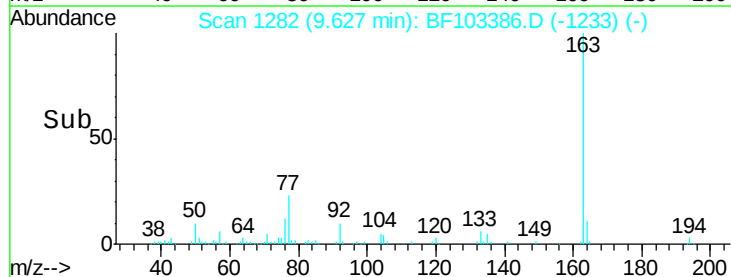
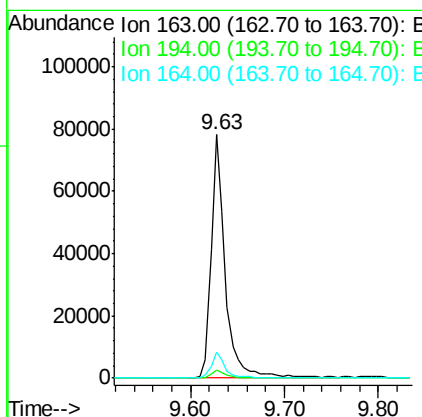
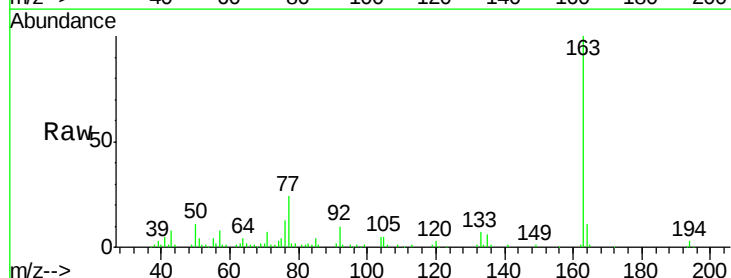
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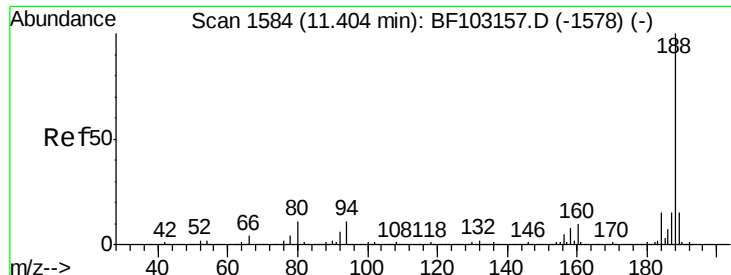
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#49
Dimethylphthalate
Concen: 4.826 ng
RT: 9.63 min Scan# 1282
Delta R.T. -0.01 min
Lab File: BF103386.D
Acq: 3 Mar 2018 00:34

Tgt Ion	Ratio	Lower	Upper
163	100		
194	3.2	2.7	4.1
164	10.6	8.2	12.2





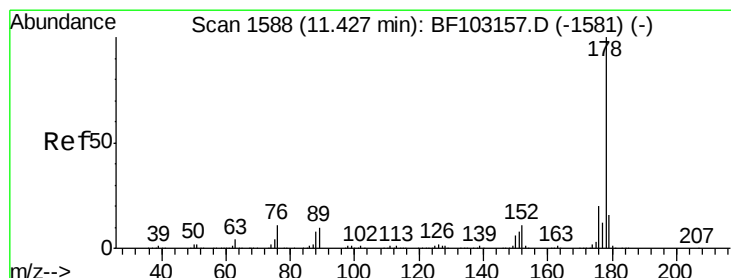
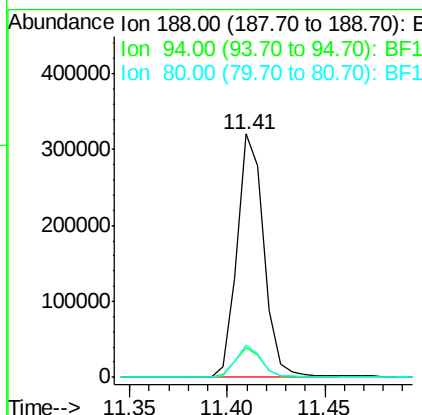
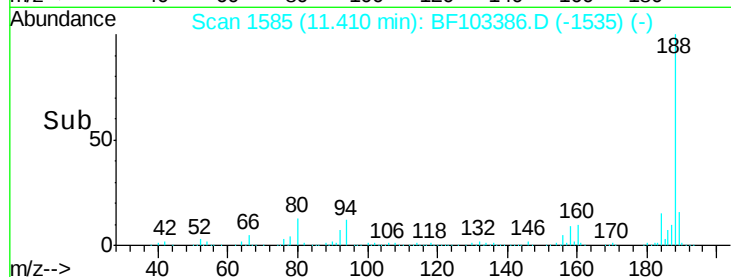
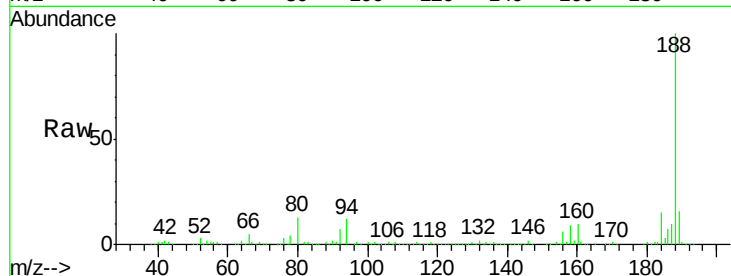
#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.41 min Scan# 1585
Delta R.T. -0.01 min
Lab File: BF103386.D
Acq: 3 Mar 2018 00:34

Instrument :
BNA_F
ClientSampled :
SP-10

Tot Ion	Ratio	Resp	Lower	Upper
188	100	305983		
94	12.3		8.5	12.7
80	13.2		9.2	13.8

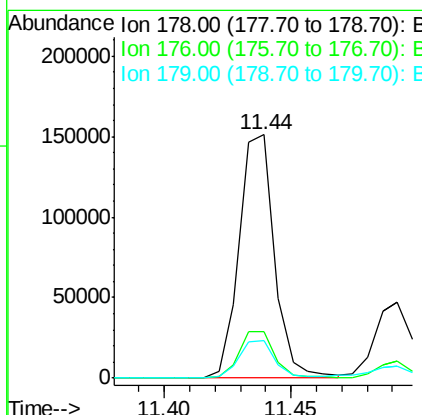
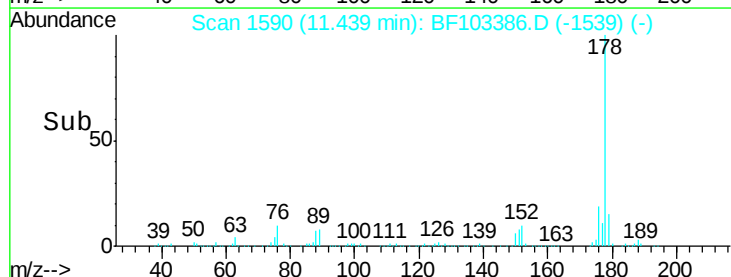
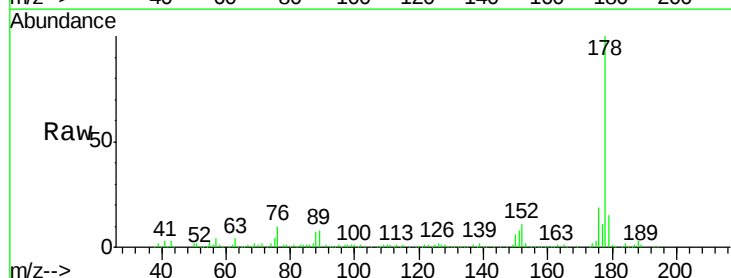
Manual Integrations
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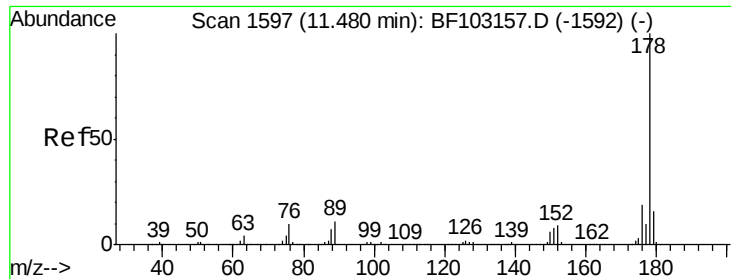
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#70
Phenanthrene
Concen: 8.731 ng
RT: 11.44 min Scan# 1590
Delta R.T. -0.00 min
Lab File: BF103386.D
Acq: 3 Mar 2018 00:34

Tgt Ion	Ratio	Resp	Lower	Upper
178	100	147026		
176	19.2		15.8	23.8
179	15.2		13.0	19.6





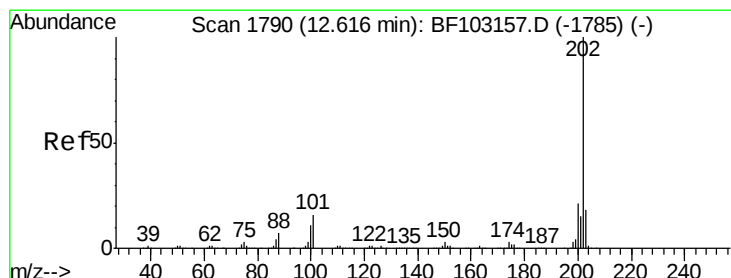
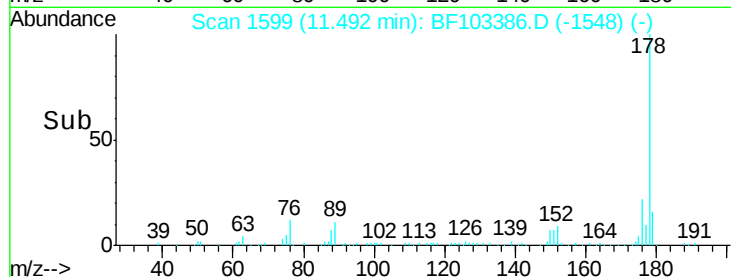
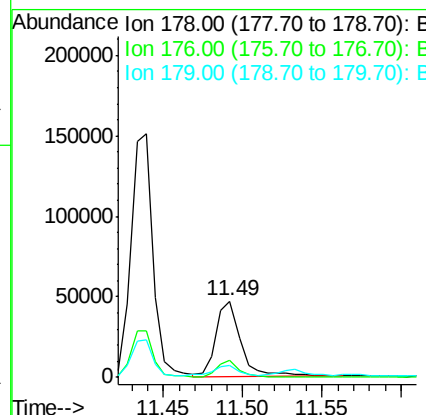
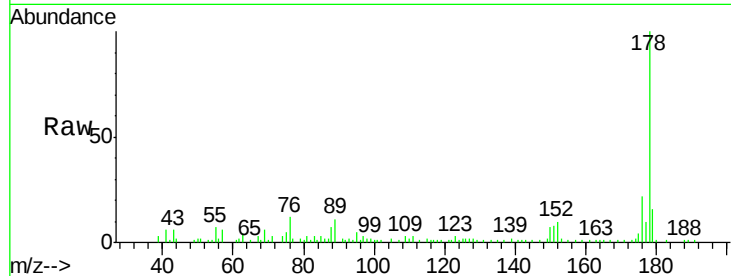
#71
 Anthracene
 Concen: 3.003 ng
 RT: 11.49 min Scan# 1599
 Delta R.T. -0.00 min
 Lab File: BF103386.D
 Acq: 3 Mar 2018 00:34

Instrument :
 BNA_F
 ClientSampled :
 SP-10

Tot Ion	Ratio	Lower	Upper
178	100		
176	22.3	15.4	23.2
179	16.3	12.6	19.0

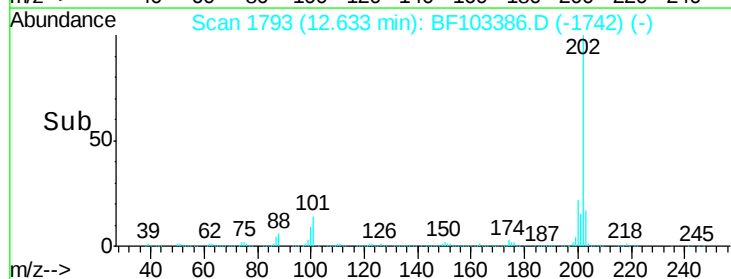
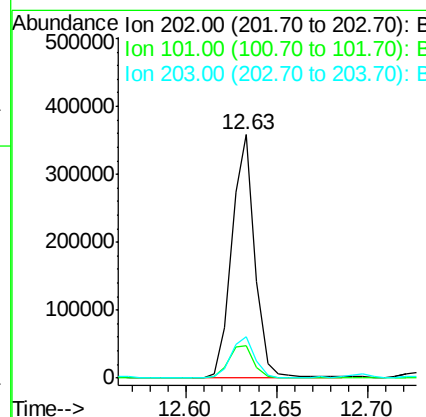
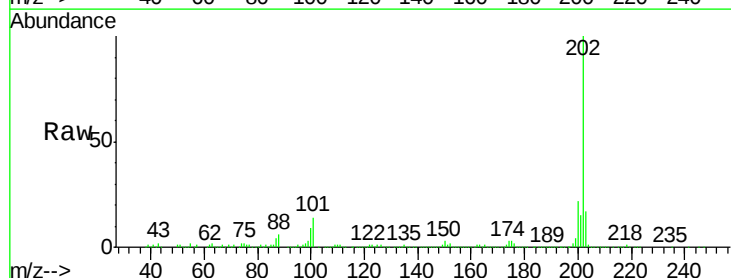
Manual Integrations
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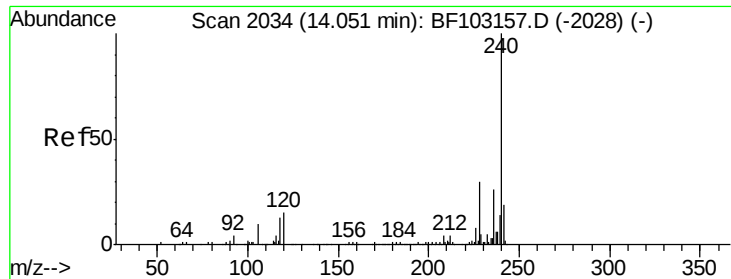
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#74
 Fluoranthene
 Concen: 18.566 ng
 RT: 12.63 min Scan# 1793
 Delta R.T. -0.00 min
 Lab File: BF103386.D
 Acq: 3 Mar 2018 00:34

Tgt Ion	Ratio	Lower	Upper
202	100		
101	13.6	0.0	34.1
203	17.1	0.0	38.1





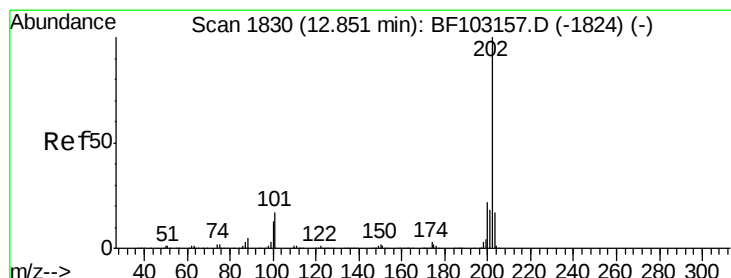
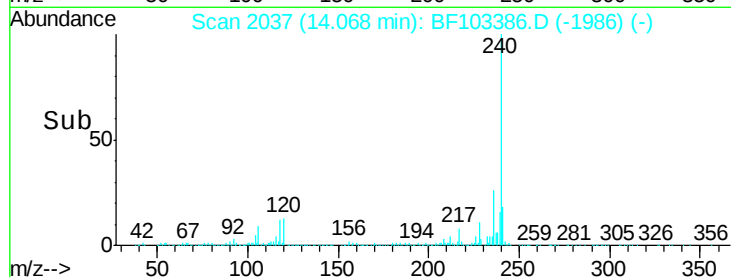
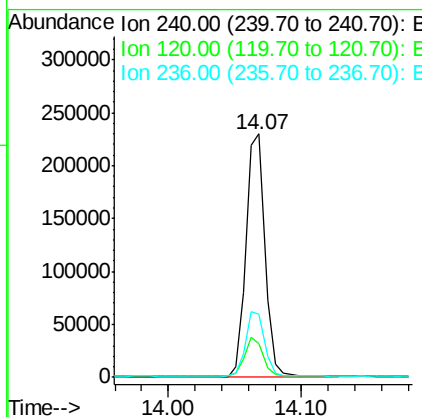
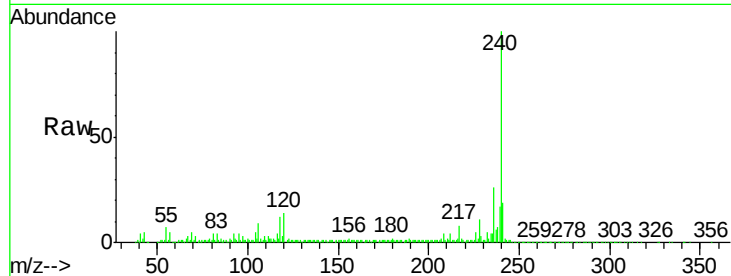
#75
Chrysene-d12
Concen: 20.000 ng
RT: 14.07 min Scan# 2037
Delta R.T. -0.00 min
Lab File: BF103386.D
Acq: 3 Mar 2018 00:34

Instrument :
BNA_F
ClientSampleId :
SP-10

Tot Ion	Ratio	Lower	Upper
240	100		
120	13.8	9.5	14.3
236	26.0	20.7	31.1

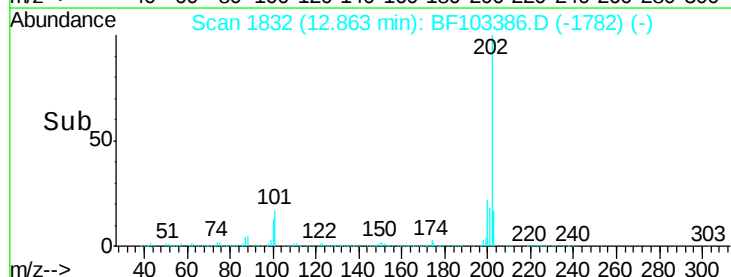
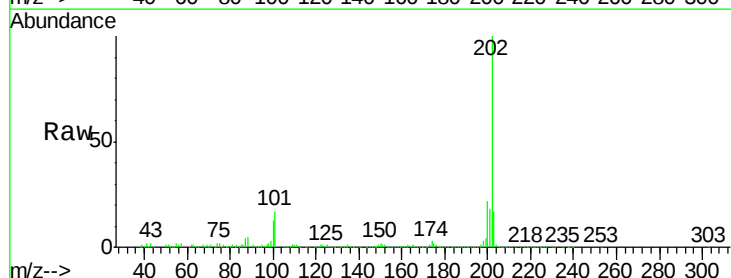
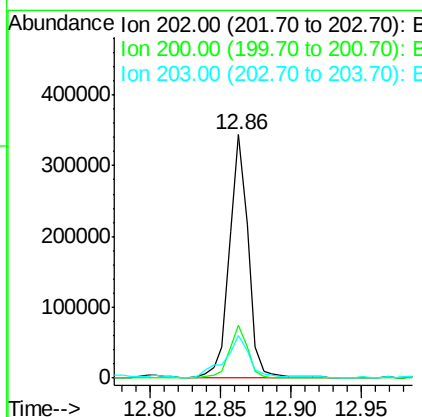
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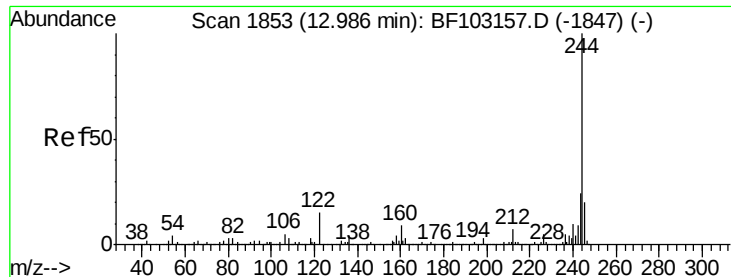
Sohil
3/5/2018 3:14:06 PM



#77
Pyrene
Concen: 18.046 ng
RT: 12.86 min Scan# 1832
Delta R.T. -0.01 min
Lab File: BF103386.D
Acq: 3 Mar 2018 00:34

Tgt Ion	Ratio	Lower	Upper
202	100		
200	21.8	17.4	26.2
203	17.5	14.3	21.5





#78

Terphenyl-d14

Concen: 68.741 ng

RT: 13.00 min Scan# 1855

Delta R.T. -0.00 min

Lab File: BF103386.D

Acq: 3 Mar 2018 00:34

Instrument :

BNA_F

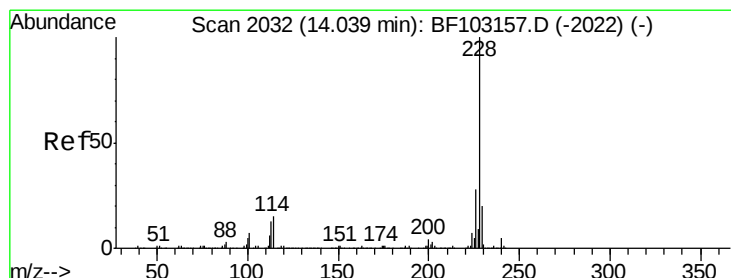
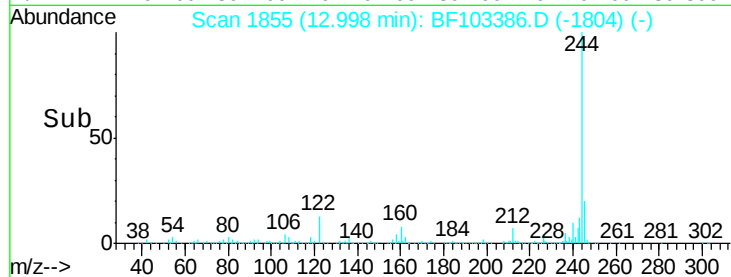
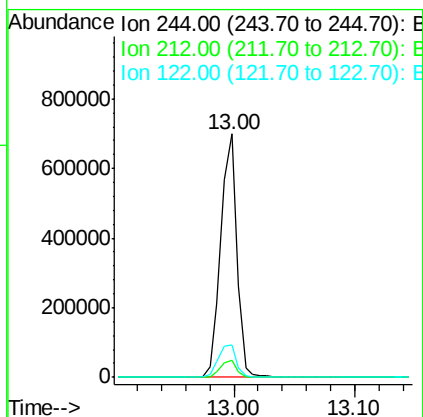
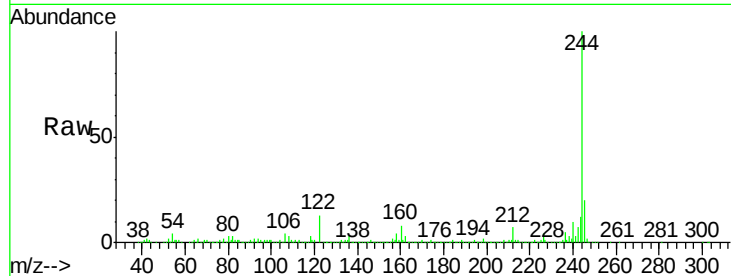
ClientSampleId :

SP-10

Tot Ion:	244	Resp:	644001
Ion Ratio	Lower	Upper	
244	100		
212	6.9	5.4	8.0
122	13.2	11.0	16.4

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#80

Benzo(a)anthracene

Concen: 10.225 ng

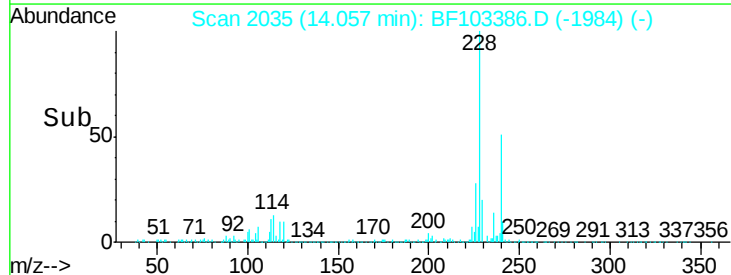
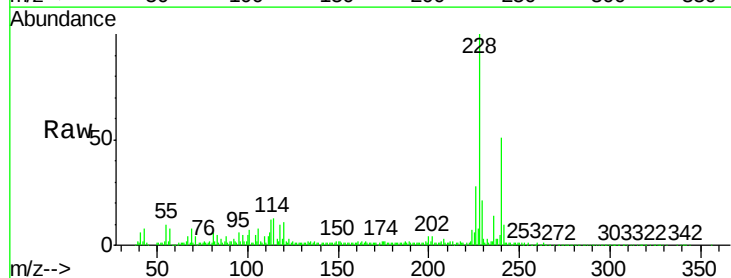
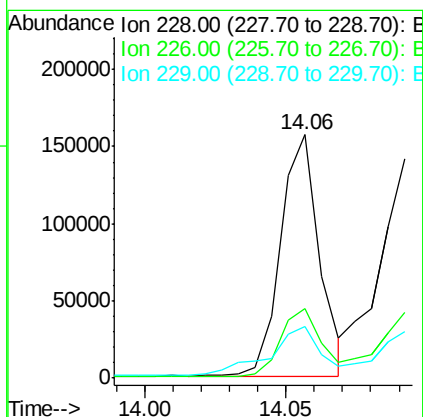
RT: 14.06 min Scan# 2035

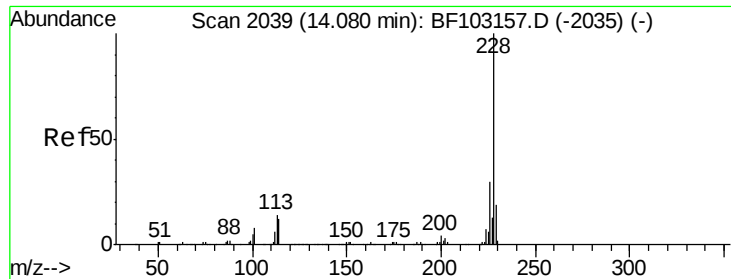
Delta R.T. -0.00 min

Lab File: BF103386.D

Acq: 3 Mar 2018 00:34

Tgt Ion:	228	Resp:	149410
Ion Ratio	Lower	Upper	
228	100		
226	28.4	22.6	33.8
229	21.3	15.8	23.6





#82

Chrysene

Concen: 9.988 ng

RT: 14.09 min Scan# 2041

Delta R.T. -0.01 min

Lab File: BF103386.D

Acq: 3 Mar 2018 00:34

Instrument :

BNA_F

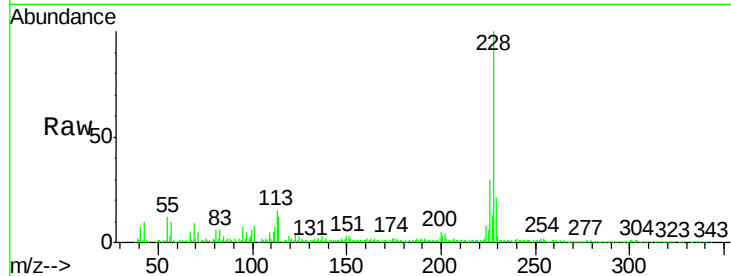
ClientSampled :

SP-10

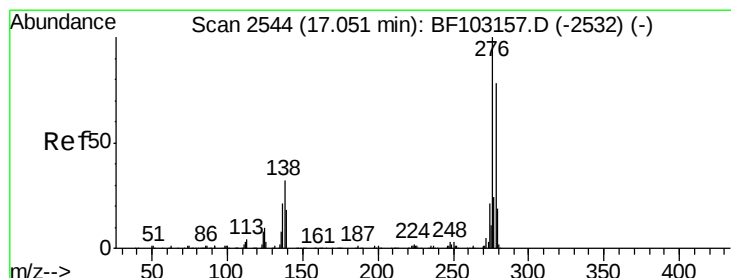
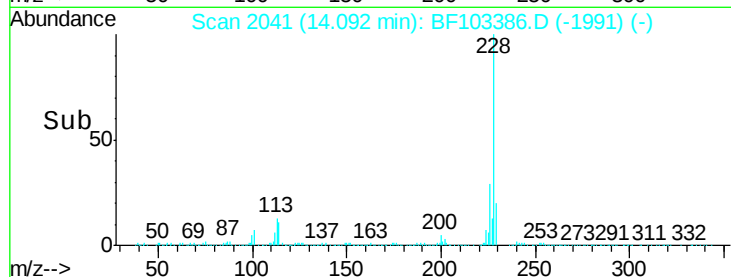
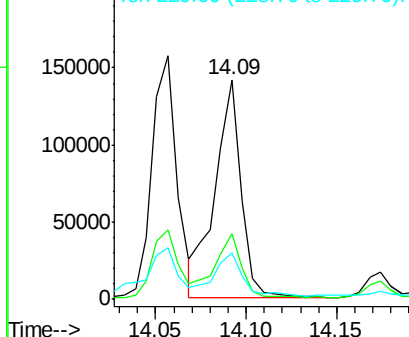
Tot Ion:	228	Resp:	141715
Ion Ratio	Lower	Upper	
228	100		
226	30.2	25.0	37.6
229	21.1	16.2	24.4

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Abundance Ion 228.00 (227.70 to 228.70): E
Ion 226.00 (225.70 to 226.70): E
Ion 229.00 (228.70 to 229.70): E



#85

Indeno(1,2,3-cd)pyrene

Concen: 4.490 ng

RT: 17.11 min Scan# 2554

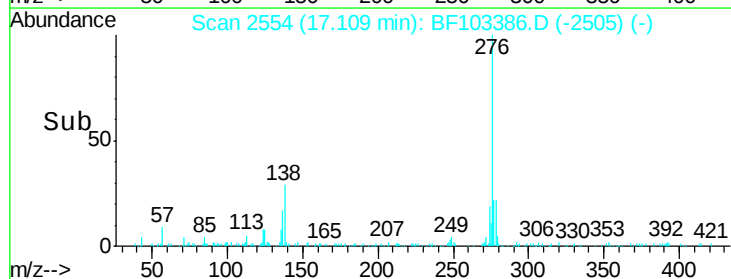
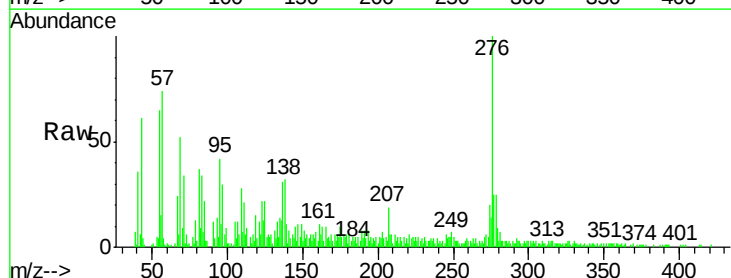
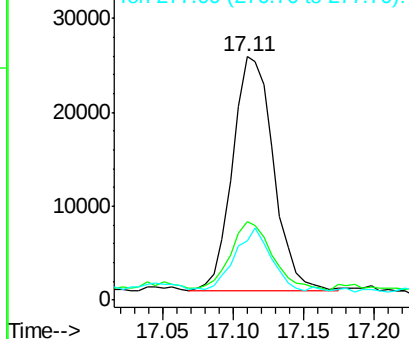
Delta R.T. -0.01 min

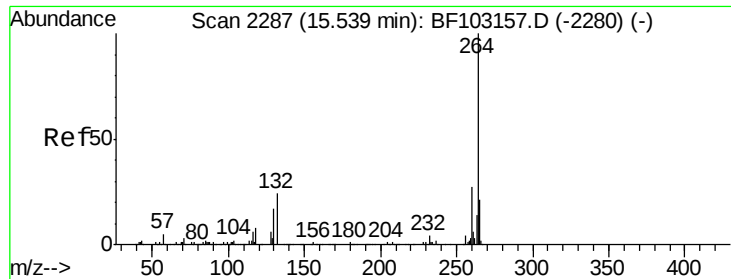
Lab File: BF103386.D

Acq: 3 Mar 2018 00:34

Tgt Ion:	276	Resp:	50438
Ion Ratio	Lower	Upper	
276	100		
138	30.7	25.0	37.6
277	23.7	20.1	30.1

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





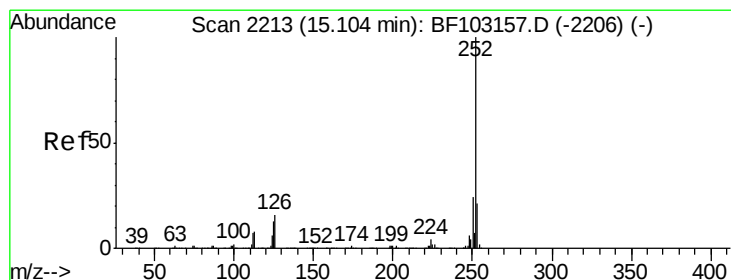
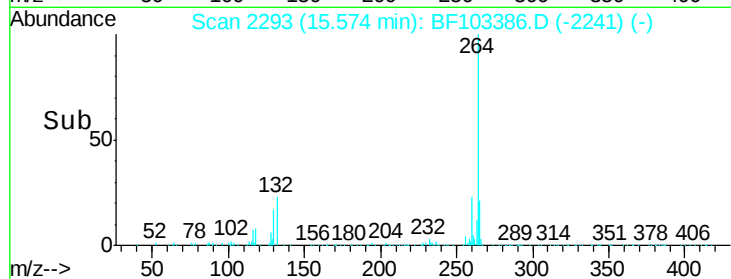
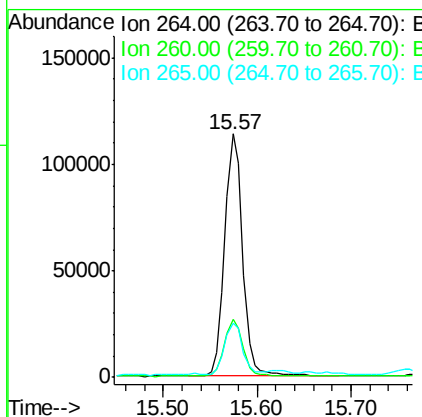
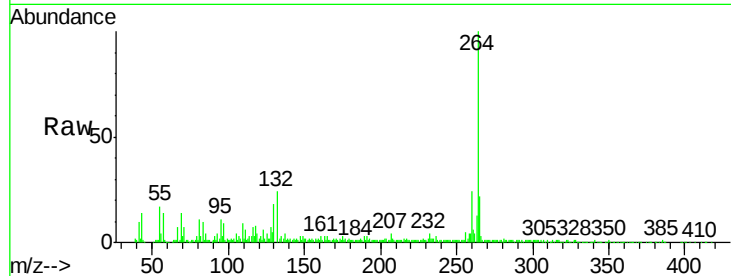
#86
Pervlene-d12
Concen: 20.000 ng
RT: 15.57 min Scan# 2293
Delta R.T. 0.01 min
Lab File: BF103386.D
Acq: 3 Mar 2018 00:34

Instrument :
BNA_F
ClientSampled :
SP-10

Tot Ion	Ratio	Lower	Upper
264	100		
260	24.0	19.2	28.8
265	22.1	17.5	26.3

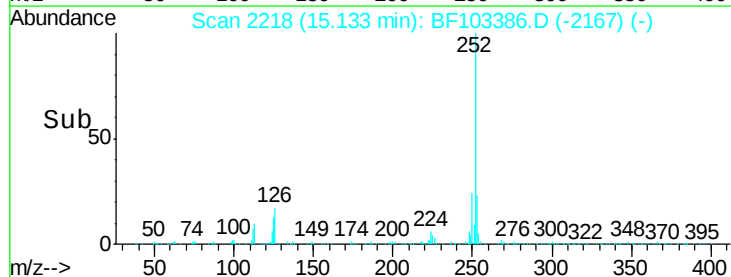
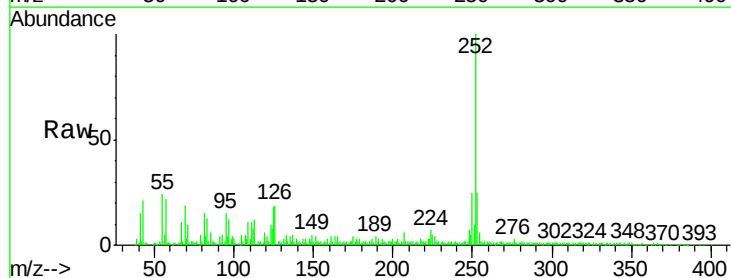
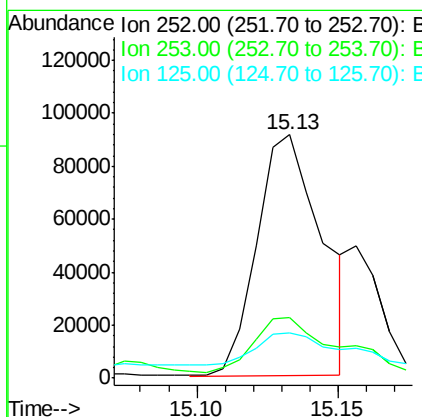
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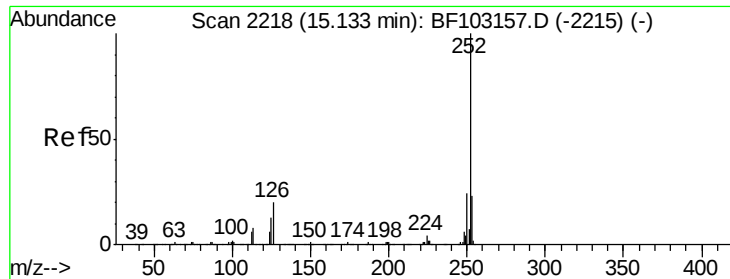
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#87
Benzo(b)fluoranthene
Concen: 14.636 ng m
RT: 15.13 min Scan# 2218
Delta R.T. -0.00 min
Lab File: BF103386.D
Acq: 3 Mar 2018 00:34

Tgt Ion	Ratio	Lower	Upper
252	100		
253	24.8	17.0	25.6
125	18.4	9.0	13.6





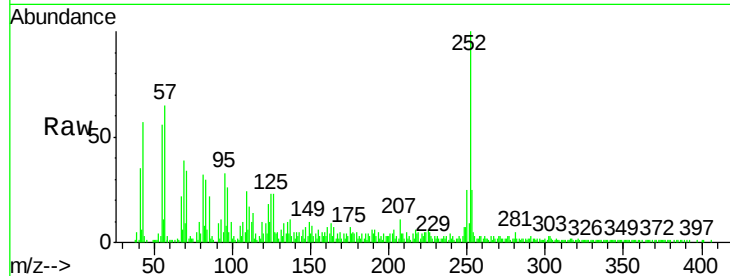
#88
Benzo(k)fluoranthene
Concen: 4.346 ng m
RT: 15.16 min Scan# 2222
Delta R.T. -0.01 min
Lab File: BF103386.D
Acq: 3 Mar 2018 00:34

Instrument :
BNA_F
ClientSampled :
SP-10

Tot Ion	Ratio	Lower	Upper
252	100		
253	24.8	17.9	26.9
125	22.6	10.2	15.2

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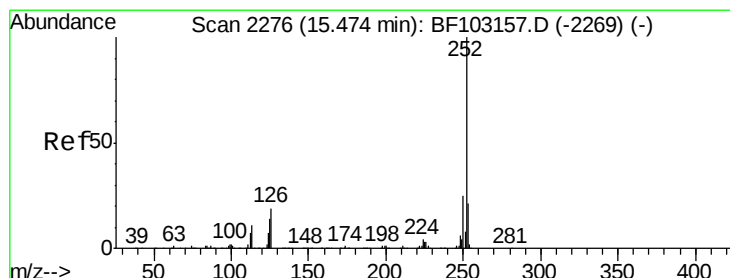
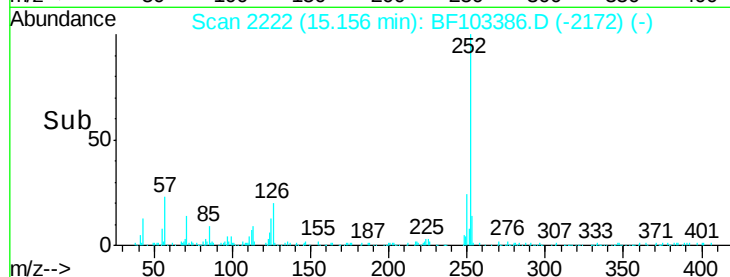
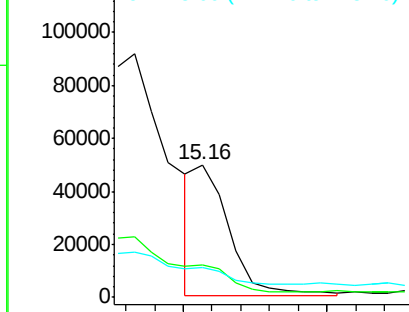


Abundance

Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



#89
Benzo(a)pyrene
Concen: 10.477 ng
RT: 15.51 min Scan# 2282
Delta R.T. -0.00 min
Lab File: BF103386.D
Acq: 3 Mar 2018 00:34

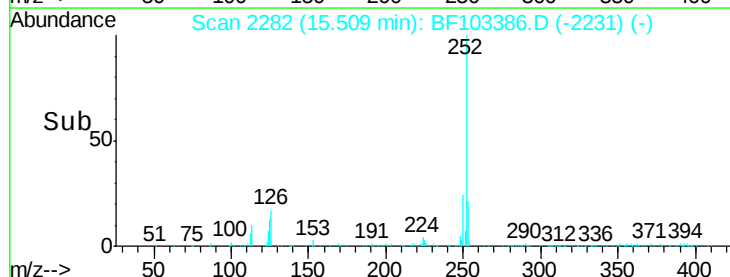
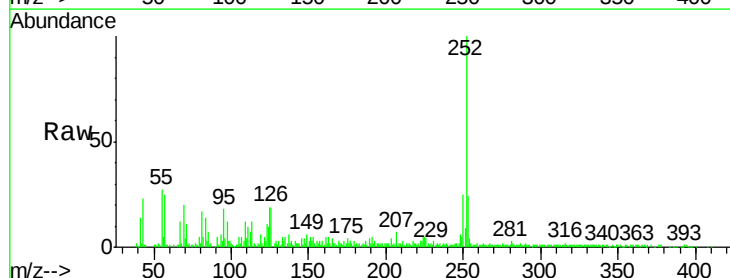
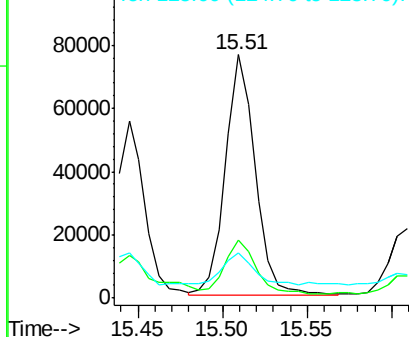
Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.7	17.1	25.7
125	18.8	9.8	14.6

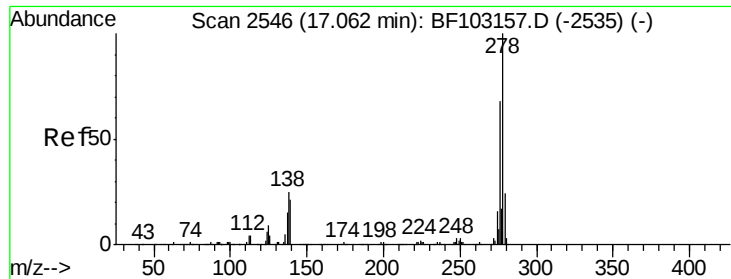
Abundance

Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





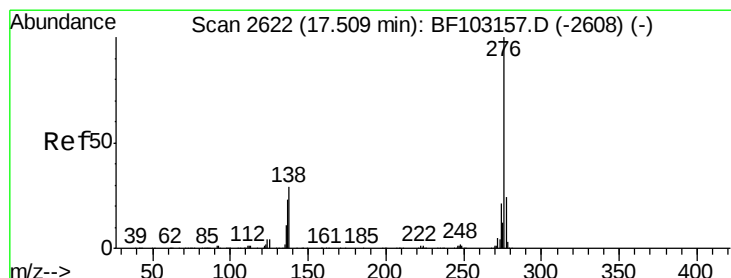
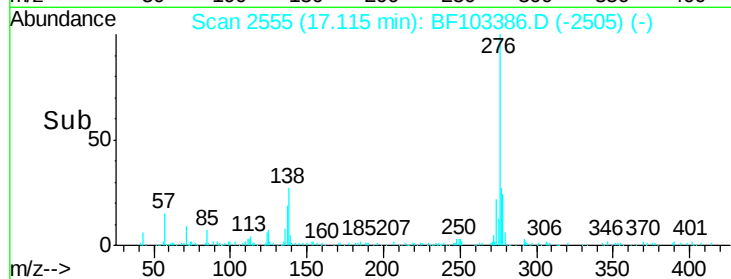
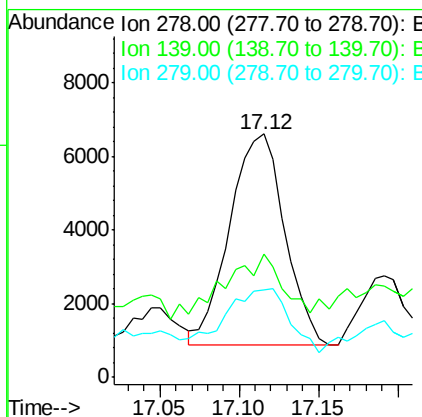
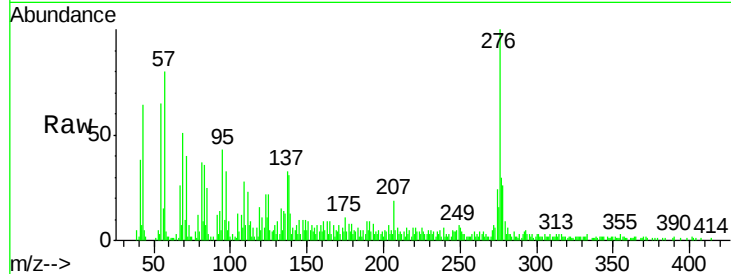
#90
Dibenzo(a,h)anthracene
Concen: 2.013 ng
RT: 17.12 min Scan# 2555
Delta R.T. -0.01 min
Lab File: BF103386.D
Acq: 3 Mar 2018 00:34

Instrument :
BNA_F
ClientSampleId :
SP-10

Tot Ion	Ratio	Lower	Upper
278	100		
139	50.4	15.9	23.9#
279	35.7	19.0	28.4#

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#91
Benzo(g,h,i)perylene
Concen: 7.786 ng
RT: 17.59 min Scan# 2635
Delta R.T. 0.01 min
Lab File: BF103386.D
Acq: 3 Mar 2018 00:34

Tgt Ion	Ratio	Lower	Upper
276	100		
277	28.5	17.9	26.9#
138	38.8	21.8	32.8#

