

Data Path : Z:\HPCHEM1\BNA F\DATA\BF030718\
 Data File : BF103507.D
 Acq On : 7 Mar 2018 18:00
 Operator : SJ/JU
 Sample : J1808-02
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SB-04-9.5-11

Manual Integrations
 APPROVED

Sohil
 3/8/2018 4:43:04 PM

Quant Time: Mar 08 04:04:54 2018
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF022218.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Mar 07 11:40:36 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.87	152	114716	20.00	ng	0.01
21) Naphthalene-d8	8.16	136	312382	20.00	ng	0.01
38) Acenaphthene-d10	9.90	164	254302	20.00	ng	0.00
63) Phenanthrene-d10	11.40	188	365319	20.00	ng	0.00
75) Chrysene-d12	14.06	240	235784	20.00	ng	0.00
86) Perylene-d12	15.56	264	192220	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.50	112	969006	127.75	ng	0.01
7) Phenol-d6	6.52	99	1180999	127.25	ng	0.01
23) Nitrobenzene-d5	7.46	82	477492	87.29	ng	0.02
41) 2,4,6-Tribromophenol	10.70	330	200542	93.17	ng	0.00
44) 2-Fluorobiphenyl	9.22	172	1077828	69.97	ng	0.00
78) Terphenyl-d14	12.99	244	721511	73.56	ng	0.00
Target Compounds						
31) Naphthalene	8.19	128	2407213m	157.400	ng	Qvalue
37) 2-Methylnaphthalene	8.87	142	2014512	203.816	ng	96
49) Dimethylphthalate	9.62	163	85446	4.188	ng	99
70) Phenanthrene	11.42	178	68925	3.428	ng	98
74) Fluoranthene	12.62	202	147901	7.321	ng	97
77) Pyrene	12.85	202	160496	8.731	ng	100
80) Benzo(a)anthracene	14.04	228	99440	6.500	ng	97
82) Chrysene	14.08	228	92640	6.236	ng	96
85) Indeno(1,2,3-cd)pyrene	17.10	276	56031	4.765	ng	94
87) Benzo(b)fluoranthene	15.12	252	132958m	10.520	ng	
88) Benzo(k)fluoranthene	15.14	252	47109m	3.958	ng	
89) Benzo(a)pyrene	15.50	252	97564	8.645	ng	# 94
91) Benzo(a,h,i)perylene	17.57	276	57030	6.691	ng	# 91

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

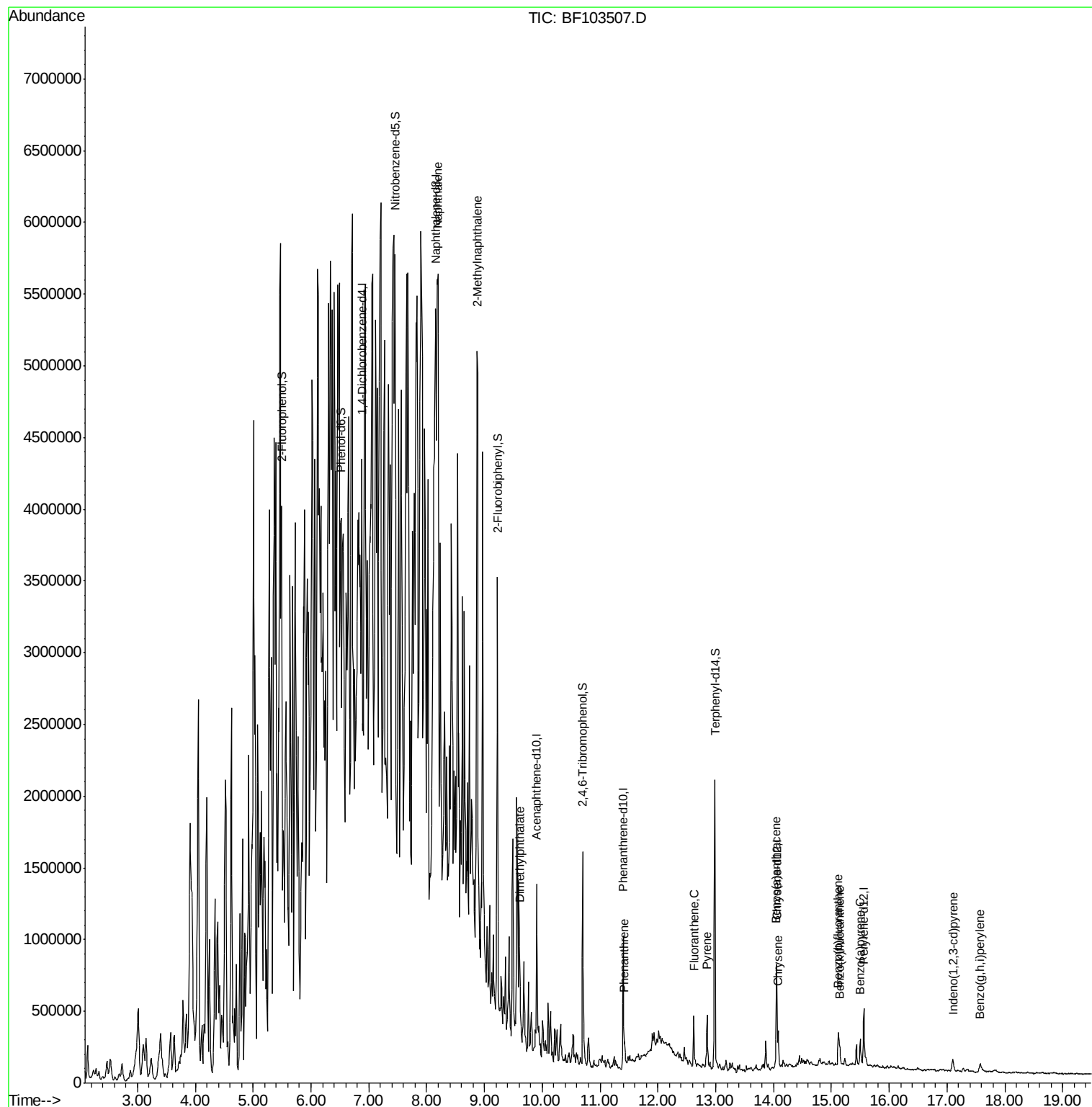
Data Path : Z:\HPCHEM1\BNA F\DATA\BF030718\
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#1

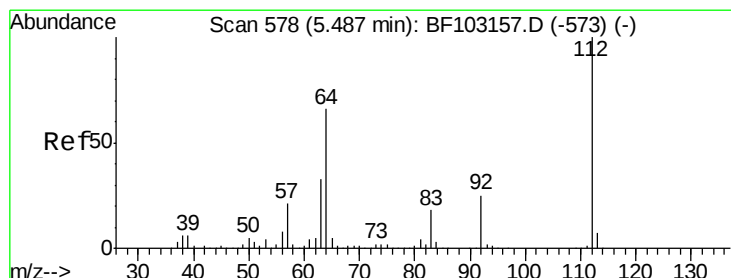
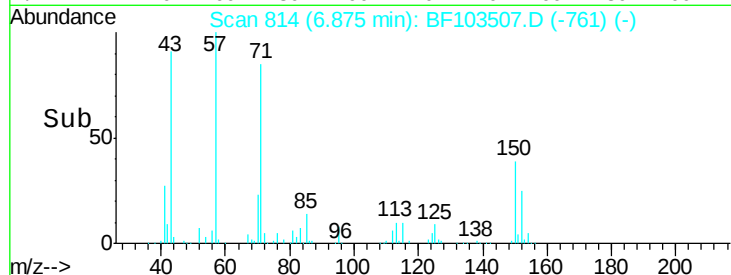
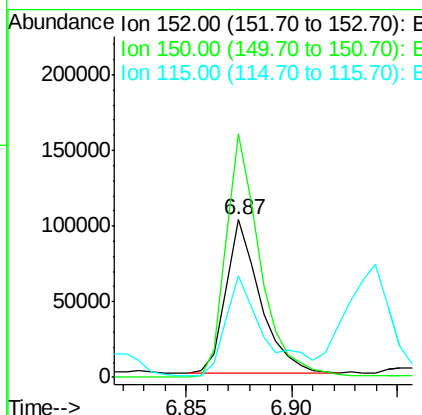
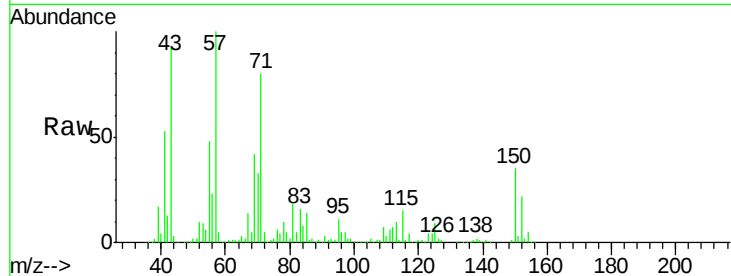
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.87 min Scan# 814
Delta R.T. 0.01 min
Lab File: BF103507.D
Acq: 7 Mar 2018 18:00

Instrument :
BNA_F
ClientSampleId :
SB-04-9.5-11

Tot Ion	Ratio	Lower	Upper
152	100		
150	154.7	124.6	186.8
115	64.7	50.1	75.1

Manual Integrations
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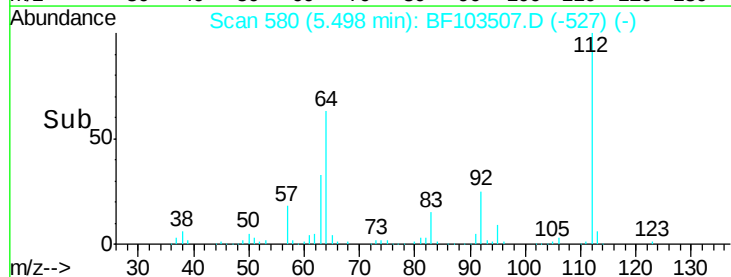
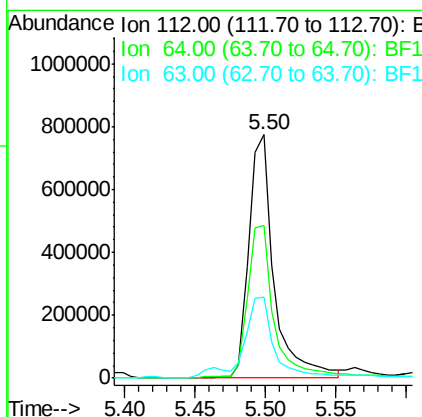
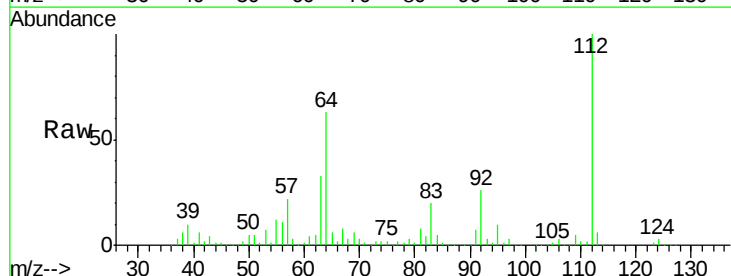
Sohil
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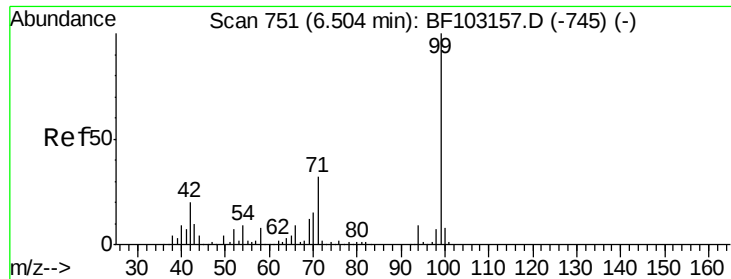


#5

2-Fluorophenol
Concen: 127.755 ng
RT: 5.50 min Scan# 580
Delta R.T. 0.01 min
Lab File: BF103507.D
Acq: 7 Mar 2018 18:00

Tgt Ion	Ratio	Lower	Upper
112	100		
64	62.8	47.9	71.9
63	33.4	23.7	35.5





#7

Phenol-d6

Concen: 127.246 ng

RT: 6.52 min Scan# 753

Delta R.T. 0.01 min

Lab File: BF103507.D

Acq: 7 Mar 2018 18:00

Instrument :

BNA_F

ClientSampled :

SB-04-9.5-11

Tot Ion: 99 Resp: 1180999

Ion Ratio Lower Upper

99 100

42 21.4 14.5 21.7

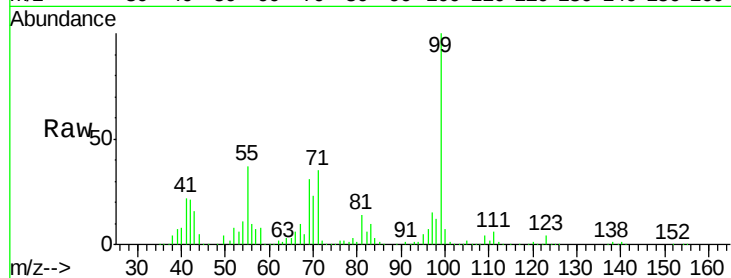
71 34.8 25.4 38.0

Manual Integrations

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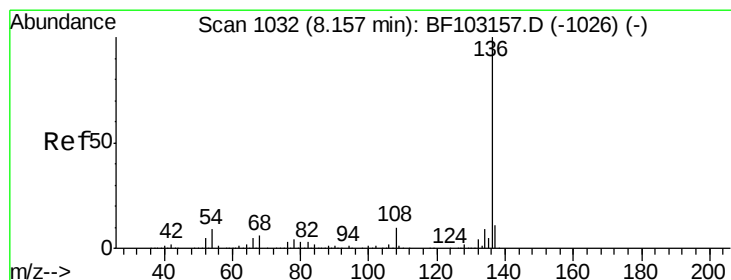
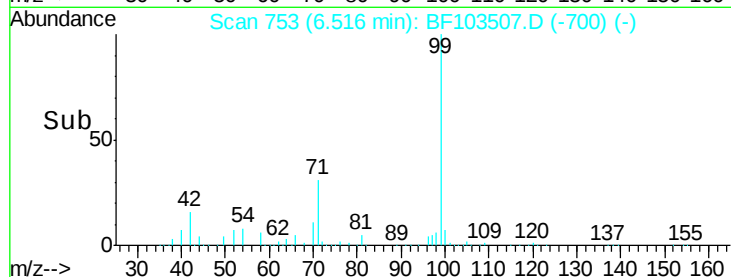
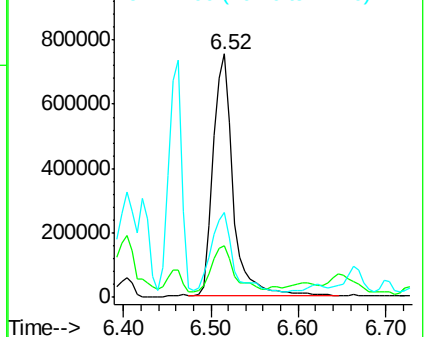
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Abundance Ion 99.00 (98.70 to 99.70): BF1

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: 8.16 min Scan# 1033

Delta R.T. 0.01 min

Lab File: BF103507.D

Acq: 7 Mar 2018 18:00

Tgt Ion: 136 Resp: 312382

Ion Ratio Lower Upper

136 100

137 12.3 8.9 13.3

54 10.9 6.6 9.8#

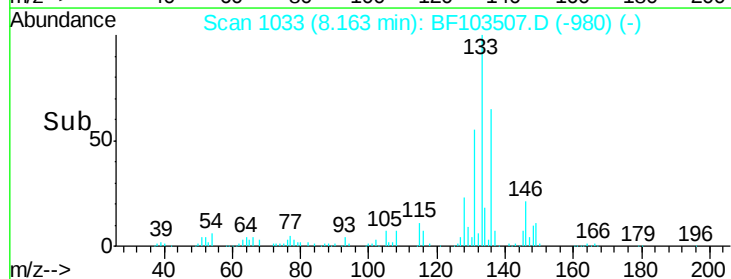
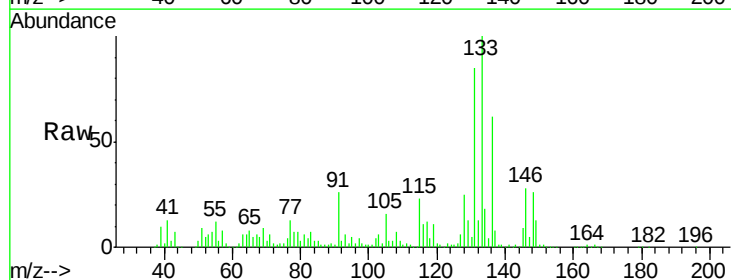
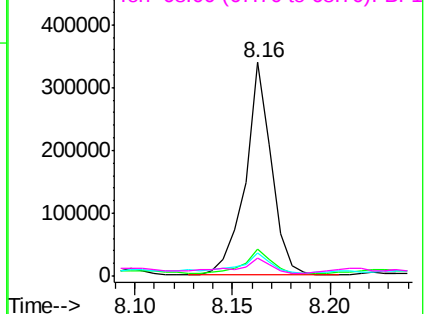
68 8.7 5.0 7.4#

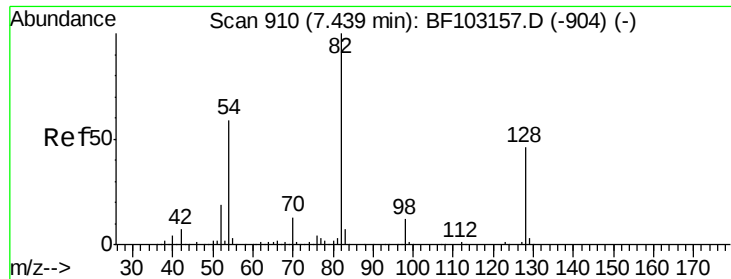
Abundance Ion 136.00 (135.70 to 136.70): E

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





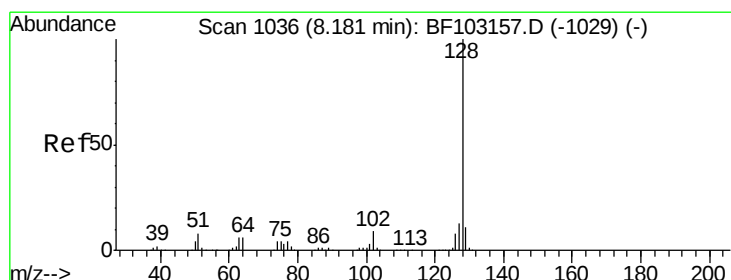
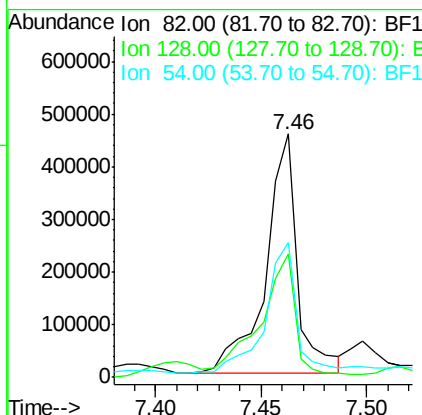
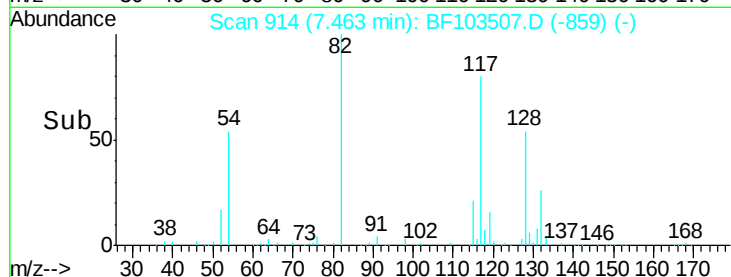
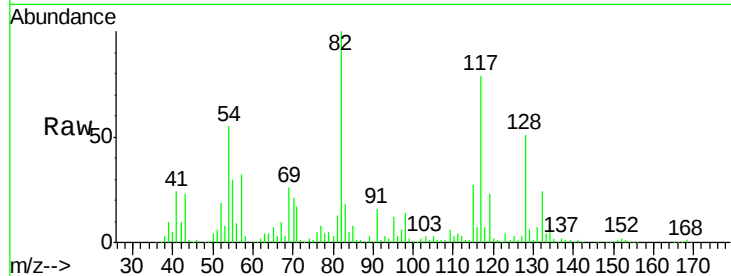
#23
Nitrobenzene-d5
Concen: 87.293 ng
RT: 7.46 min Scan# 914
Delta R.T. 0.02 min
Lab File: BF103507.D
Acq: 7 Mar 2018 18:00

Instrument :
BNA_F
ClientSampleId :
SB-04-9.5-11

Tot Ion	82	Resp	477492
Ion Ratio	100	Lower	Upper
82	100		
128	50.7	36.1	54.1
54	55.1	41.4	62.2

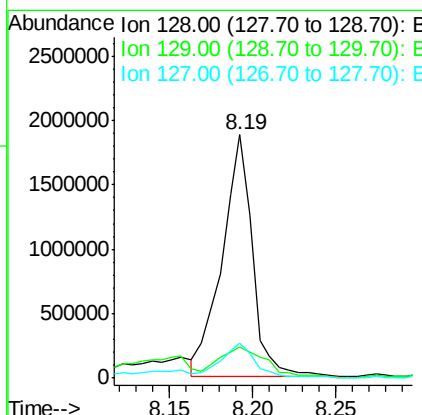
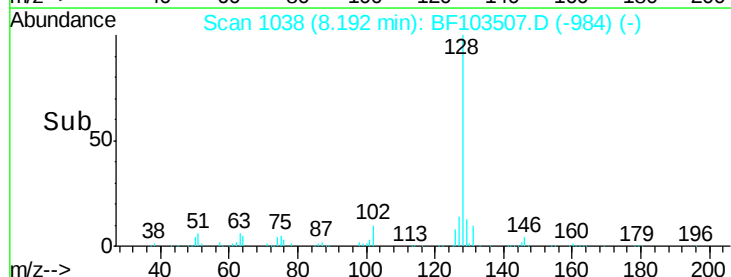
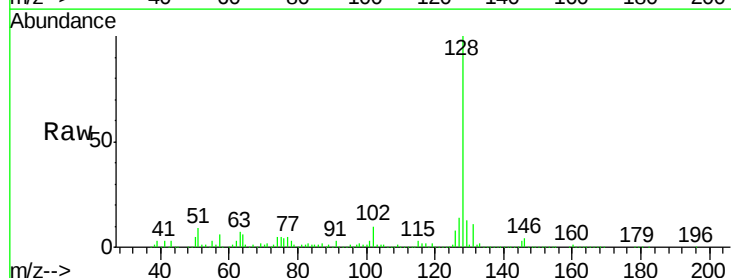
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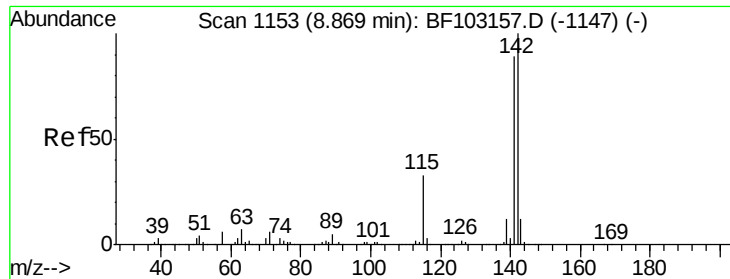
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#31
Naphthalene
Concen: 157.400 ng m
RT: 8.19 min Scan# 1038
Delta R.T. 0.02 min
Lab File: BF103507.D
Acq: 7 Mar 2018 18:00

Tgt Ion	128	Resp	2407213
Ion Ratio	100	Lower	Upper
128	100		
129	13.0	8.8	13.2
127	14.3	10.9	16.3





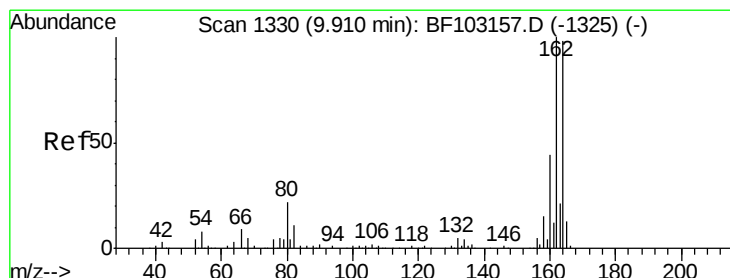
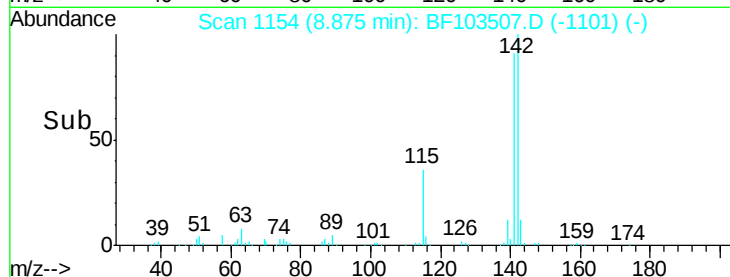
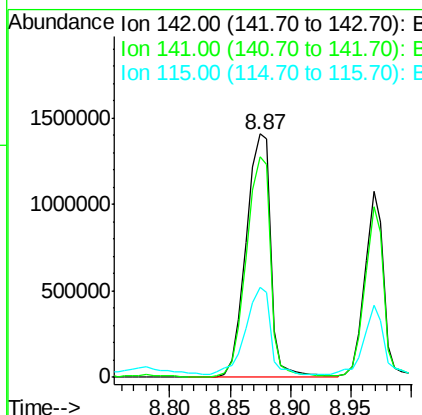
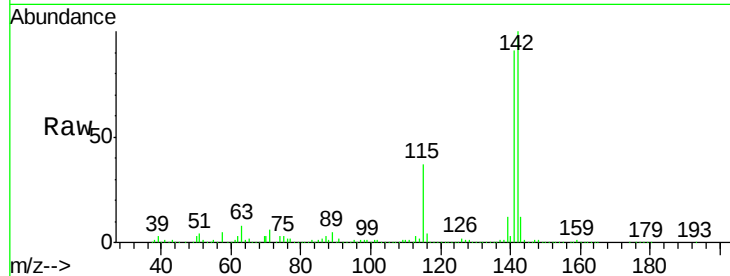
#37
2-Methylnaphthalene
Concen: 203.816 ng
RT: 8.87 min Scan# 1154
Delta R.T. 0.01 min
Lab File: BF103507.D
Acq: 7 Mar 2018 18:00

Instrument :
BNA_F
ClientSampleId :
SB-04-9.5-11

Tot Ion	Ratio	Lower	Upper
142	100		
141	90.7	70.8	106.2
115	36.7	26.1	39.1

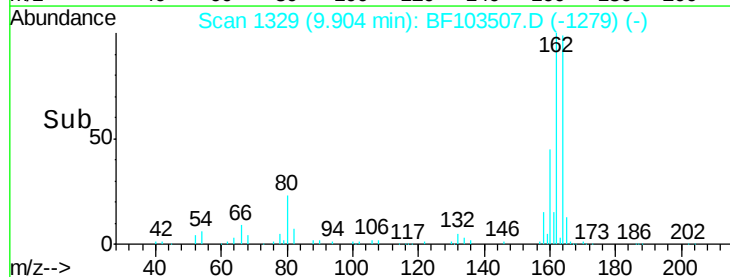
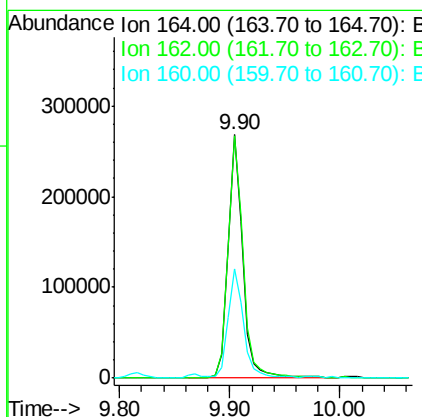
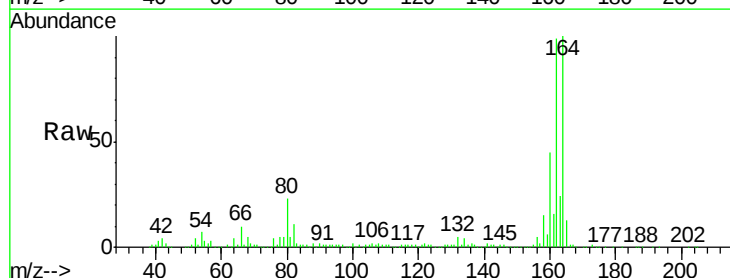
Manual Integrations
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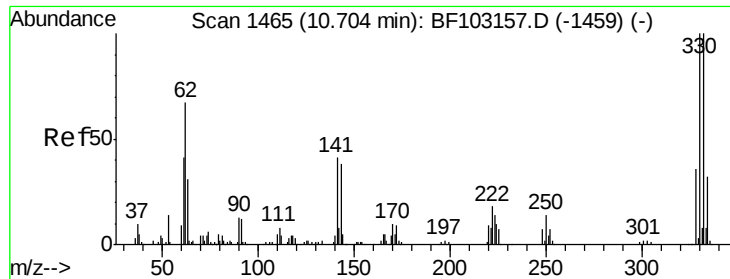
Sohil
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#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.90 min Scan# 1329
Delta R.T. -0.01 min
Lab File: BF103507.D
Acq: 7 Mar 2018 18:00

Tgt Ion	Ratio	Lower	Upper
164	100		
162	99.5	86.1	129.1
160	45.0	38.3	57.5





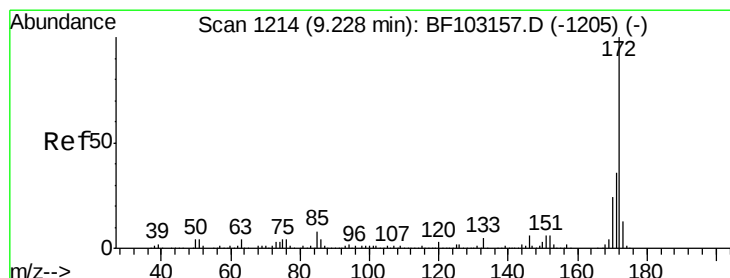
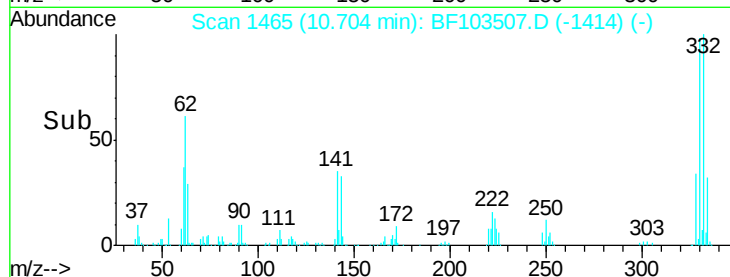
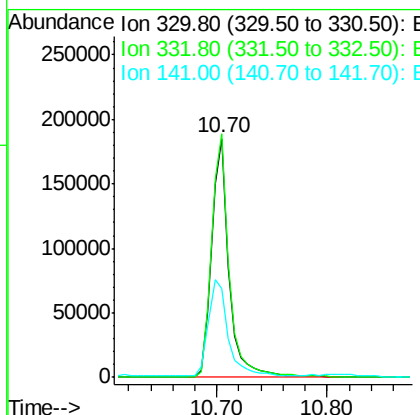
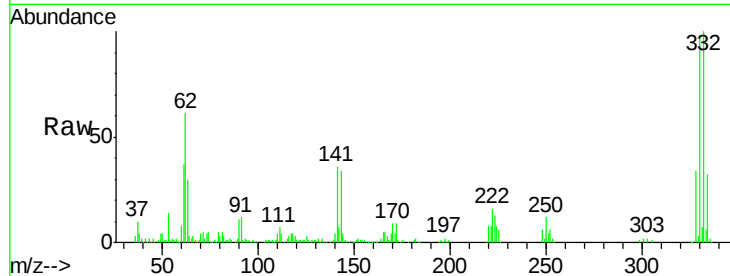
#41
 2,4,6-Tribromophenol
 Concen: 93.166 ng
 RT: 10.70 min Scan# 1465
 Delta R.T. 0.00 min
 Lab File: BF103507.D
 Acq: 7 Mar 2018 18:00

Instrument :
 BNA_F
 ClientSampleId :
 SB-04-9.5-11

Tot Ion	Ratio	Lower	Upper
330	100		
332	103.5	77.0	115.6
141	45.6	29.9	44.9

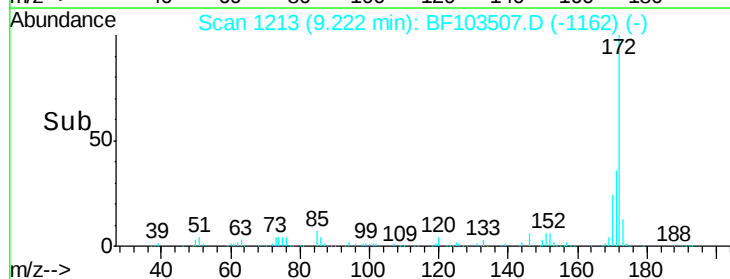
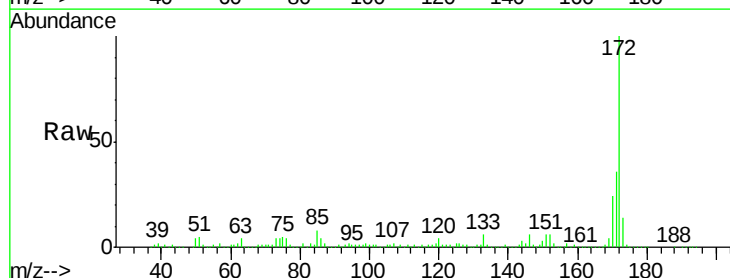
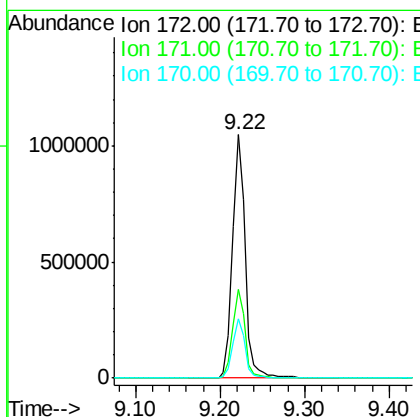
Manual Integrations
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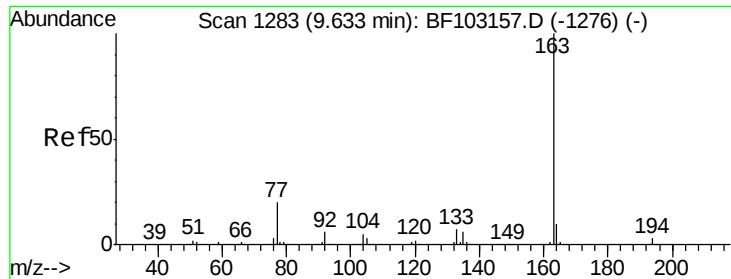
Sohil
 3/8/2018 4:43:04 PM



#44
 2-Fluorobiphenyl
 Concen: 69.968 ng
 RT: 9.22 min Scan# 1213
 Delta R.T. 0.00 min
 Lab File: BF103507.D
 Acq: 7 Mar 2018 18:00

Tgt Ion	Ratio	Lower	Upper
172	100		
171	36.3	29.7	44.5
170	24.1	19.6	29.4





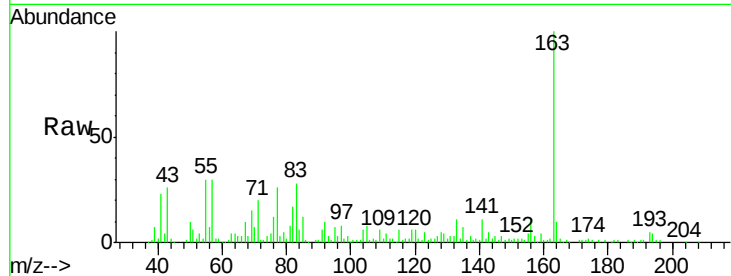
#49
Dimethylphthalate
Concen: 4.188 ng
RT: 9.62 min Scan# 1280
Delta R.T. -0.01 min
Lab File: BF103507.D
Acq: 7 Mar 2018 18:00

Instrument :
BNA_F
ClientSampleId :
SB-04-9.5-11

Tot Ion	Ratio	Lower	Upper
163	100		
194	4.1	2.7	4.1
164	10.4	8.2	12.2

Manual Integrations
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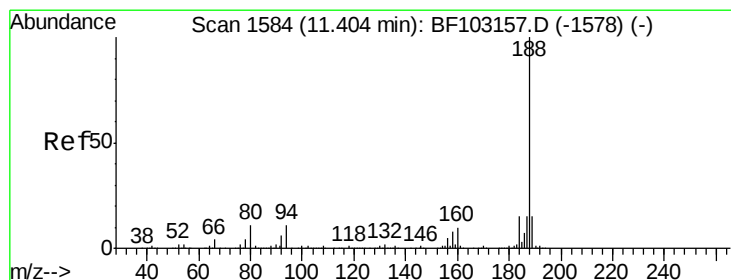
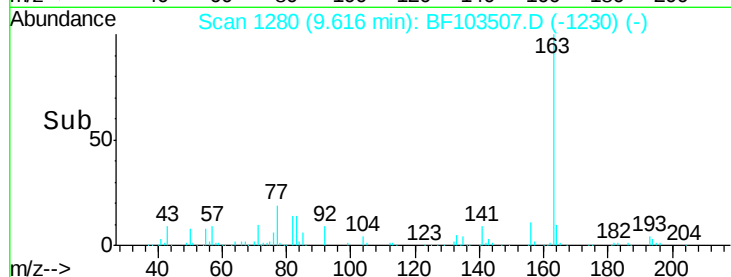
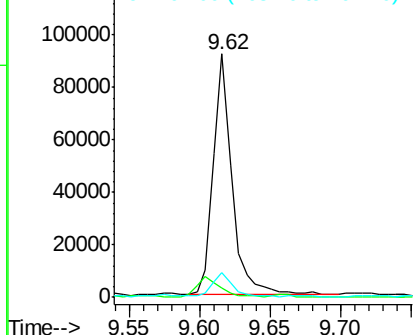


Abundance

Ion 163.00 (162.70 to 163.70): E

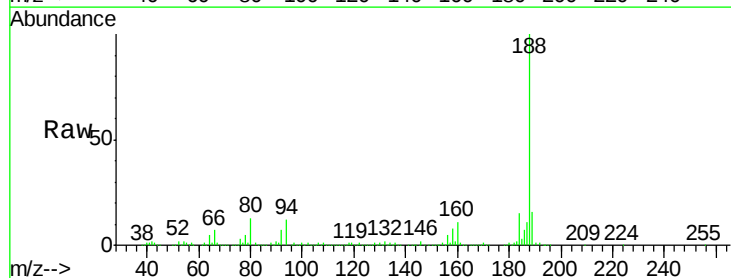
Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E



#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.40 min Scan# 1583
Delta R.T. -0.01 min
Lab File: BF103507.D
Acq: 7 Mar 2018 18:00

Tgt Ion	Ratio	Lower	Upper
188	100		
94	12.0	8.5	12.7
80	13.0	9.2	13.8

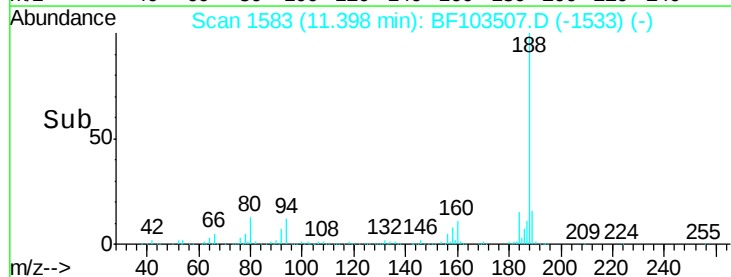
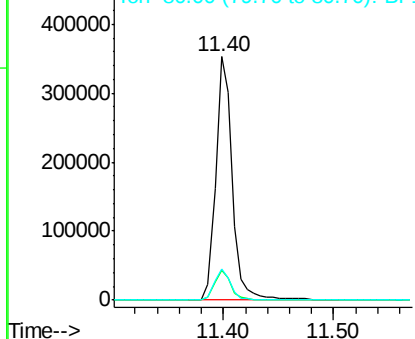


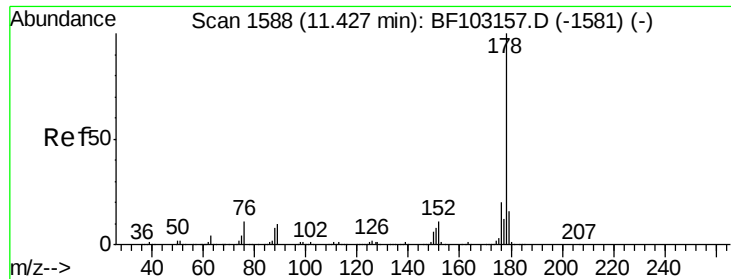
Abundance

Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF1

Ion 80.00 (79.70 to 80.70): BF1





#70

Phenanthrene

Concen: 3.428 ng

RT: 11.42 min Scan# 1587

Delta R.T. -0.01 min

Lab File: BF103507.D

Acq: 7 Mar 2018 18:00

Instrument :

BNA_F

ClientSampled :

SB-04-9.5-11

Tot Ion:178 Resp: 68925

Ion Ratio Lower Upper

178 100

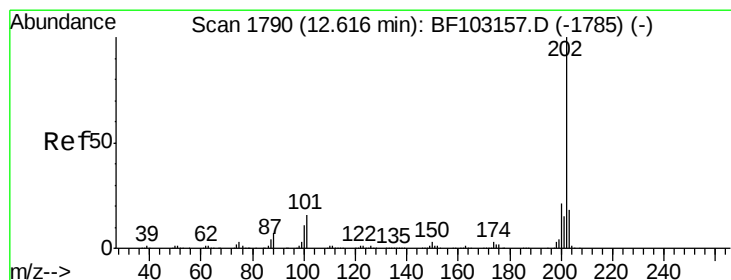
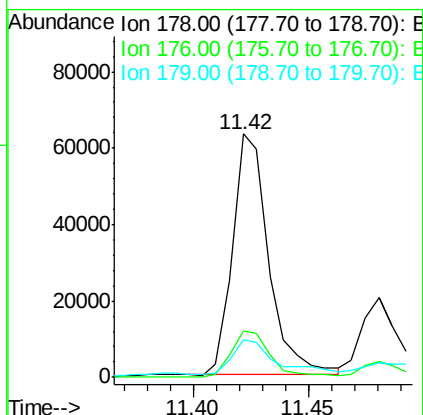
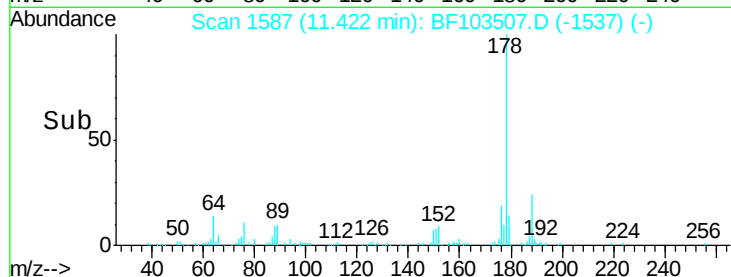
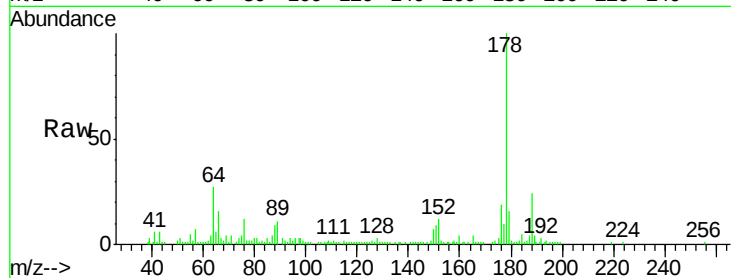
176 19.0 15.8 23.8

179 15.7 13.0 19.6

Manual Integrations
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#74

Fluoranthene

Concen: 7.321 ng

RT: 12.62 min Scan# 1791

Delta R.T. 0.00 min

Lab File: BF103507.D

Acq: 7 Mar 2018 18:00

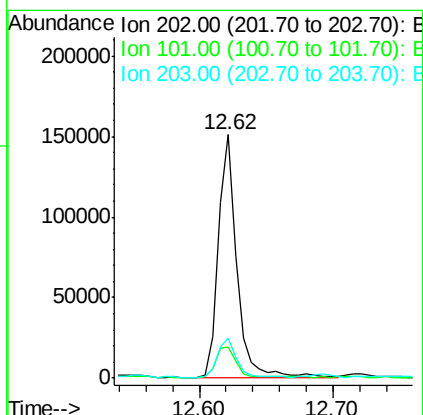
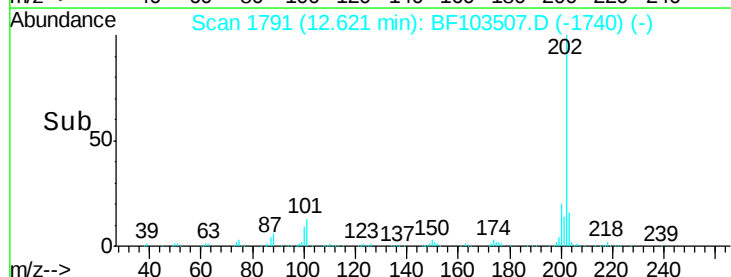
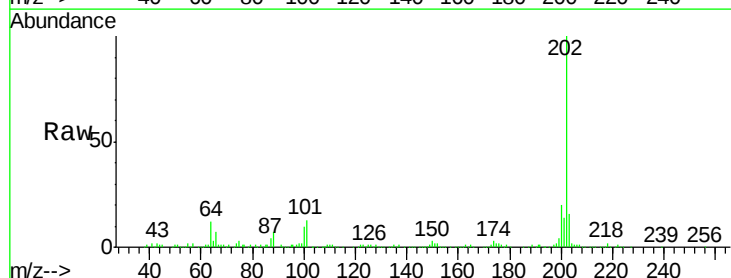
Tgt Ion:202 Resp: 147901

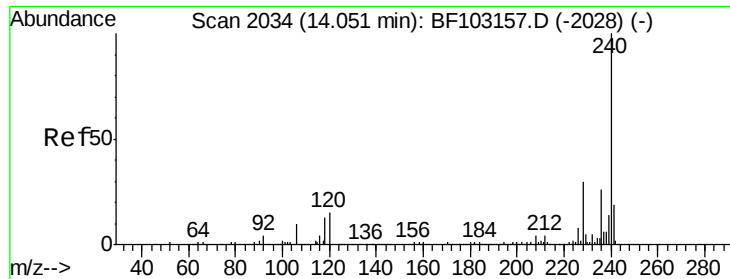
Ion Ratio Lower Upper

202 100

101 13.0 0.0 34.1

203 16.4 0.0 38.1





#75

Chrysene-d12

Concen: 20.000 ng

RT: 14.06 min Scan# 2035

Delta R.T. -0.01 min

Lab File: BF103507.D

Acq: 7 Mar 2018 18:00

Instrument :

BNA_F

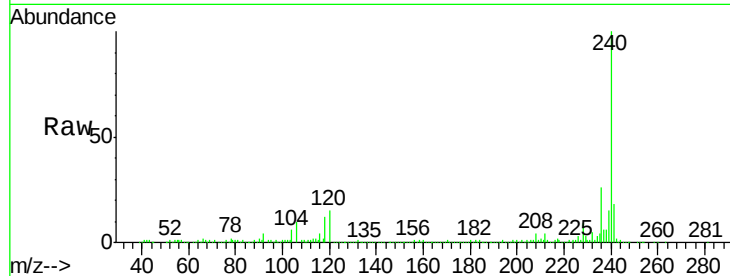
ClientSampleId :

SB-04-9.5-11

Tot Ion	Ratio	Lower	Upper
240	100		
120	14.5	9.5	14.3#
236	25.7	20.7	31.1

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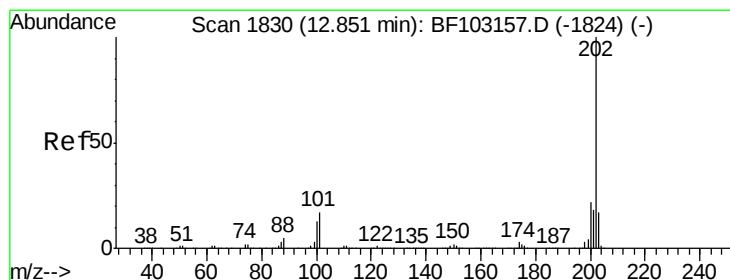
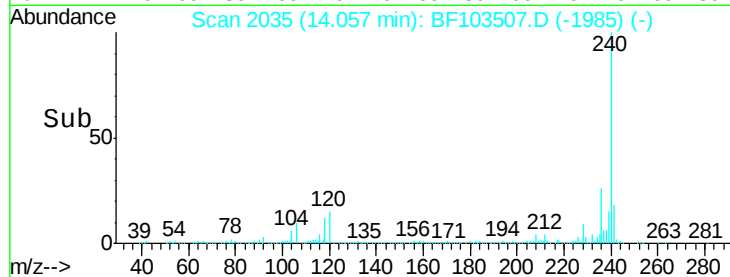
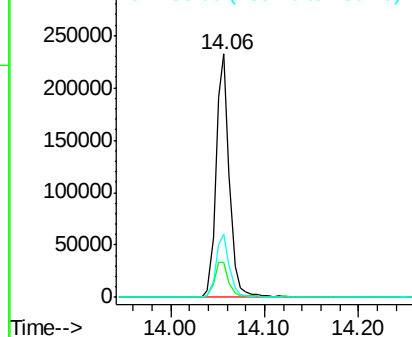


Abundance

Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E



#77

Pyrene

Concen: 8.731 ng

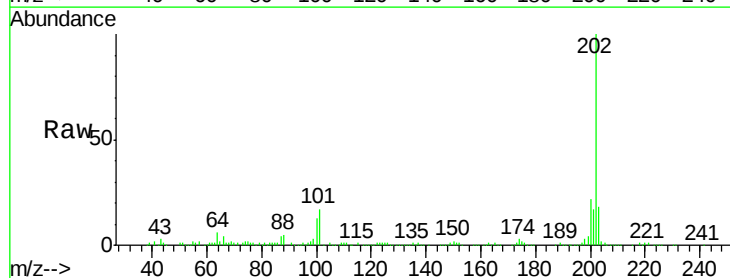
RT: 12.85 min Scan# 1830

Delta R.T. -0.01 min

Lab File: BF103507.D

Acq: 7 Mar 2018 18:00

Tgt Ion	Ratio	Lower	Upper
202	100		
200	21.8	17.4	26.2
203	18.0	14.3	21.5

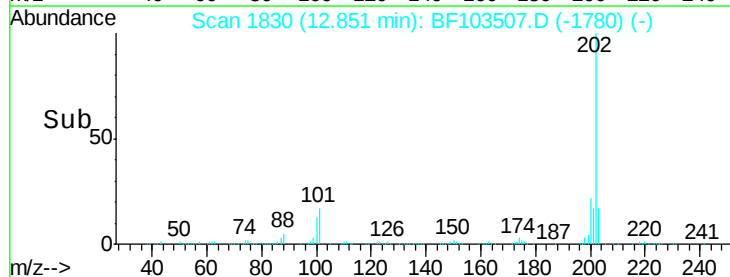
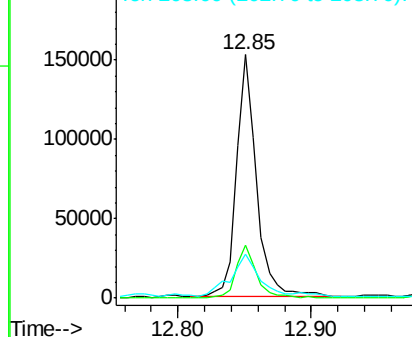


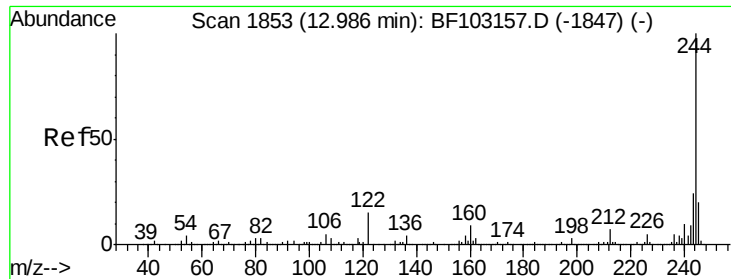
Abundance

Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#78

Terphenyl-d14

Concen: 73.560 ng

RT: 12.99 min Scan# 1853

Delta R.T. 0.00 min

Lab File: BF103507.D

Acq: 7 Mar 2018 18:00

Instrument :

BNA_F

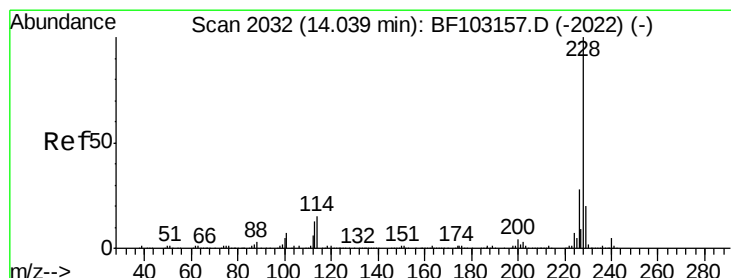
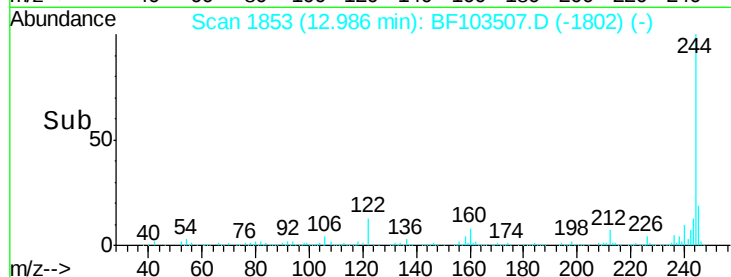
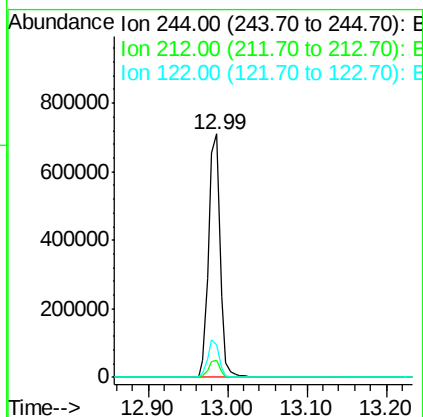
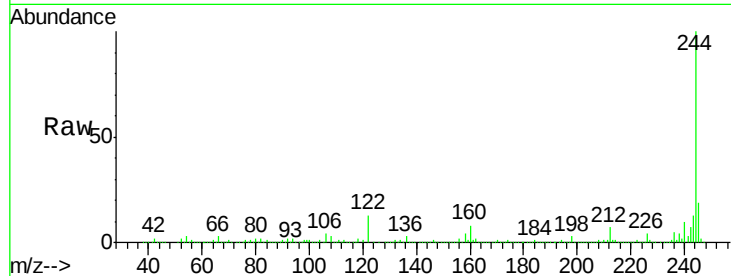
ClientSampleId :

SB-04-9.5-11

Tot Ion:	244	Resp:	721511
Ion Ratio	Lower	Upper	
244	100		
212	7.1	5.4	8.0
122	13.3	11.0	16.4

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#80

Benzo(a)anthracene

Concen: 6.500 ng

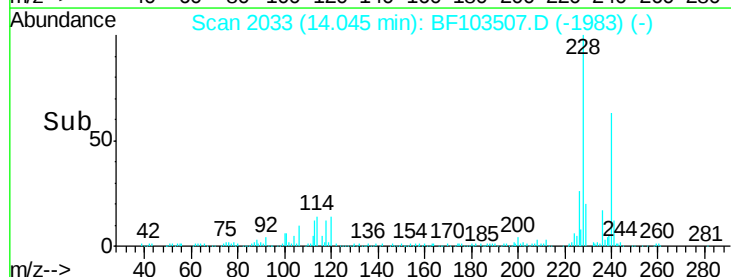
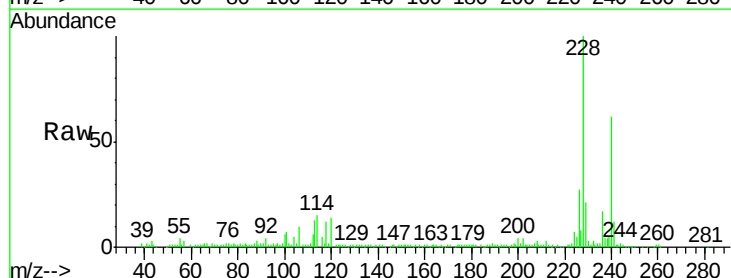
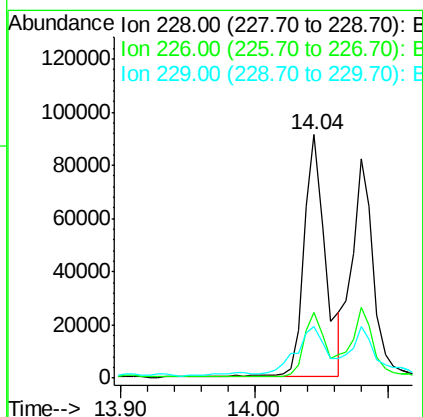
RT: 14.04 min Scan# 2033

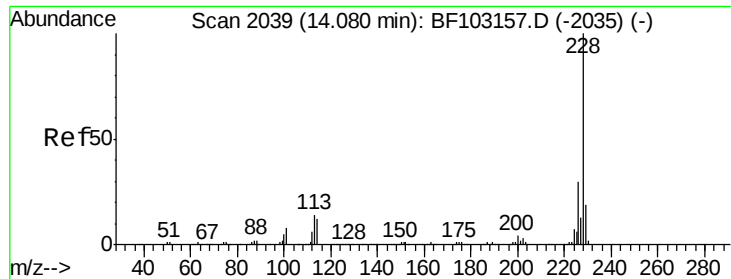
Delta R.T. -0.01 min

Lab File: BF103507.D

Acq: 7 Mar 2018 18:00

Tgt Ion:	228	Resp:	99440
Ion Ratio	Lower	Upper	
228	100		
226	27.0	22.6	33.8
229	21.1	15.8	23.6





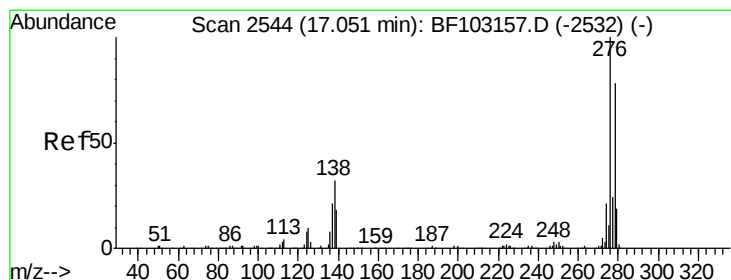
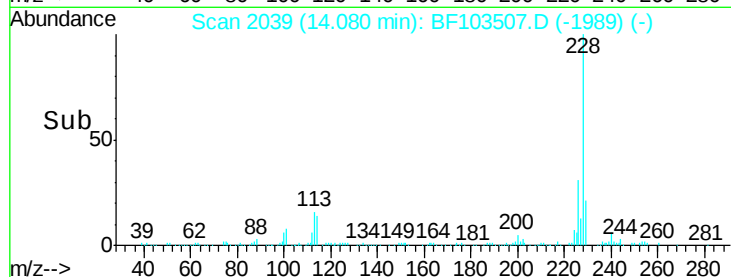
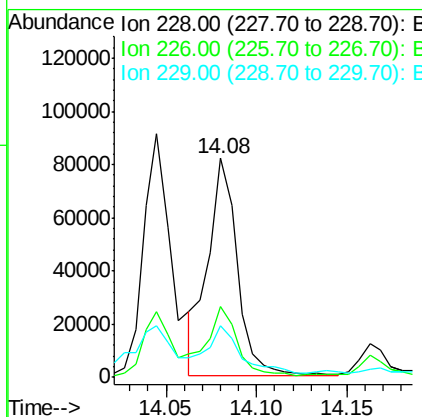
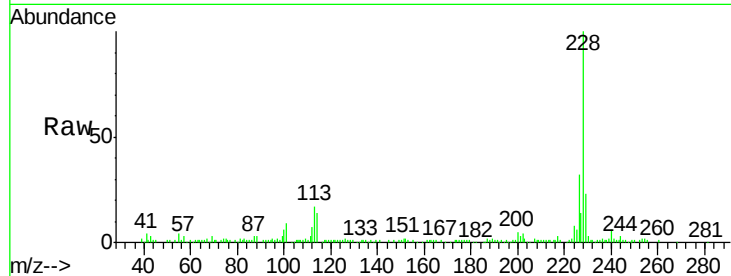
#82
Chrysene
Concen: 6.236 ng
RT: 14.08 min Scan# 2039
Delta R.T. -0.01 min
Lab File: BF103507.D
Acq: 7 Mar 2018 18:00

Instrument :
BNA_F
ClientSampleId :
SB-04-9.5-11

Tot Ion	Ratio	Lower	Upper
228	100		
226	32.5	25.0	37.6
229	23.4	16.2	24.4

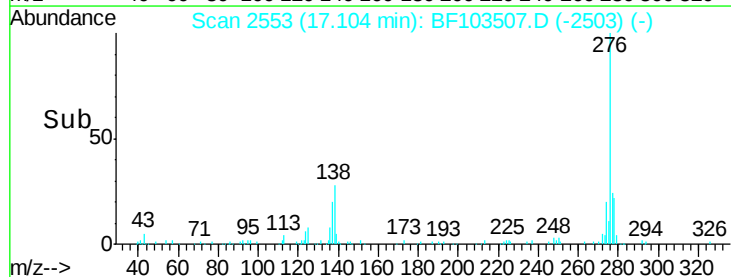
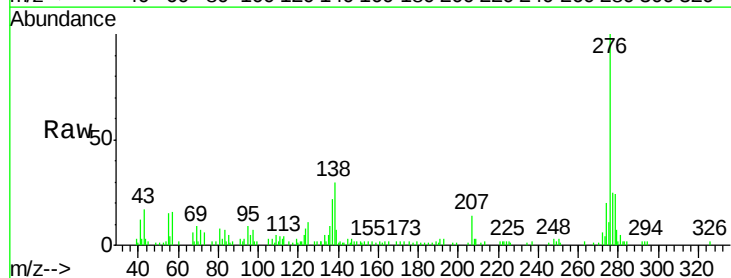
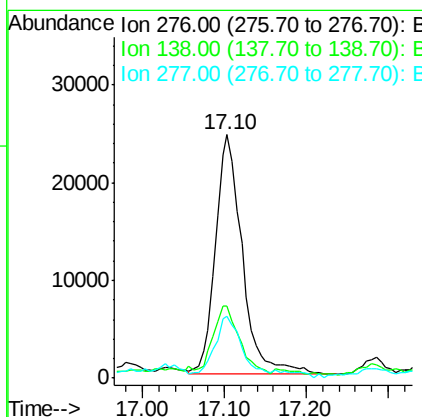
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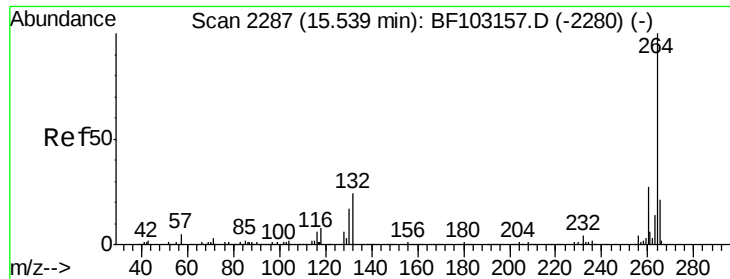
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#85
Indeno(1,2,3-cd)pyrene
Concen: 4.765 ng
RT: 17.10 min Scan# 2553
Delta R.T. -0.01 min
Lab File: BF103507.D
Acq: 7 Mar 2018 18:00

Tgt Ion	Ratio	Lower	Upper
276	100		
138	27.9	25.0	37.6
277	22.4	20.1	30.1





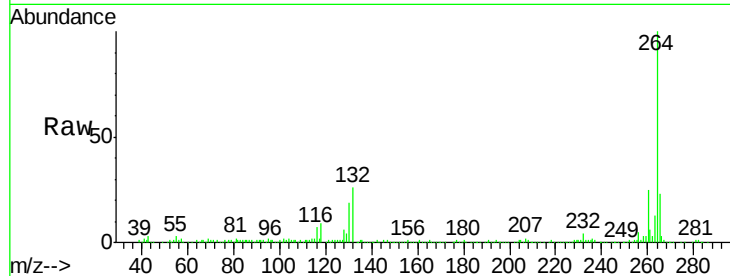
#86
Pervlene-d12
Concen: 20.000 ng
RT: 15.56 min Scan# 2291
Delta R.T. 0.00 min
Lab File: BF103507.D
Acq: 7 Mar 2018 18:00

Instrument :
BNA_F
ClientSampleId :
SB-04-9.5-11

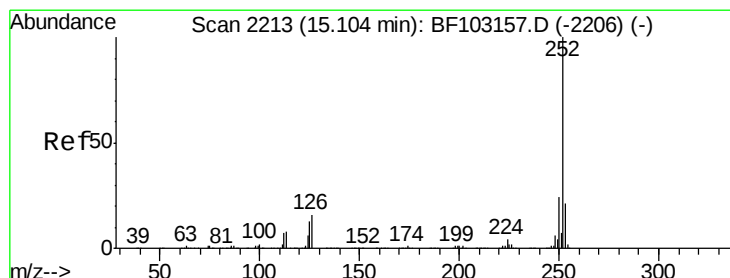
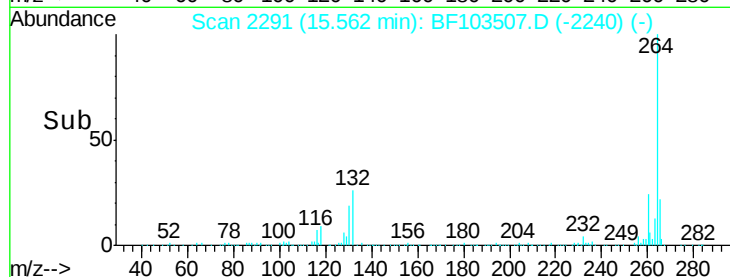
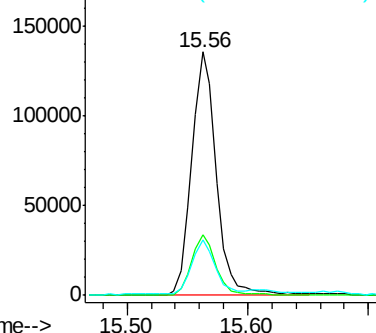
Tot Ion	Ratio	Lower	Upper
264	100		
260	24.7	19.2	28.8
265	22.8	17.5	26.3

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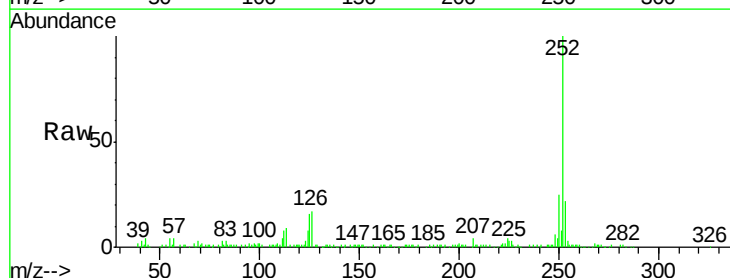


Abundance Ion 264.00 (263.70 to 264.70): E
Ion 260.00 (259.70 to 260.70): E
Ion 265.00 (264.70 to 265.70): E

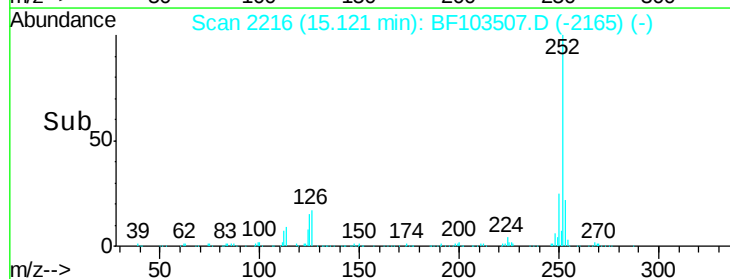
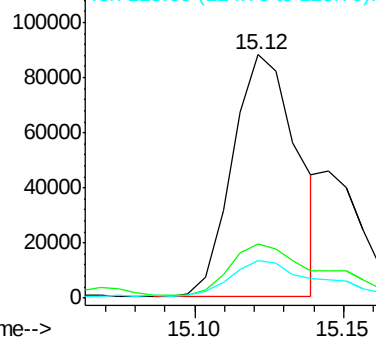


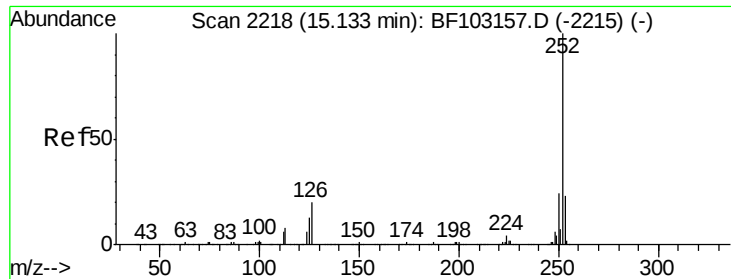
#87
Benzo(b)fluoranthene
Concen: 10.520 ng m
RT: 15.12 min Scan# 2216
Delta R.T. 0.00 min
Lab File: BF103507.D
Acq: 7 Mar 2018 18:00

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.3	17.0	25.6
125	15.5	9.0	13.6#



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





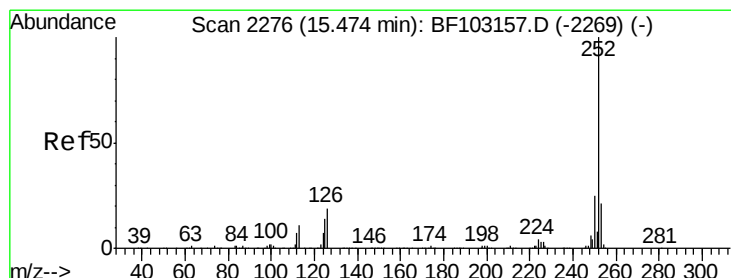
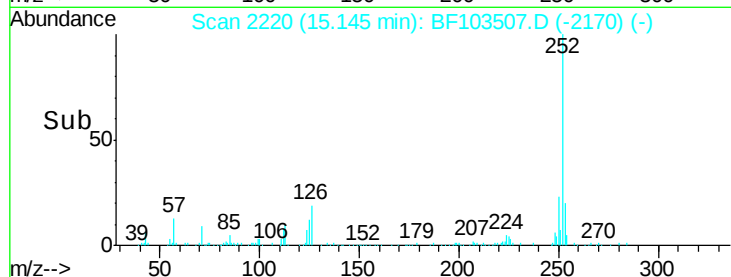
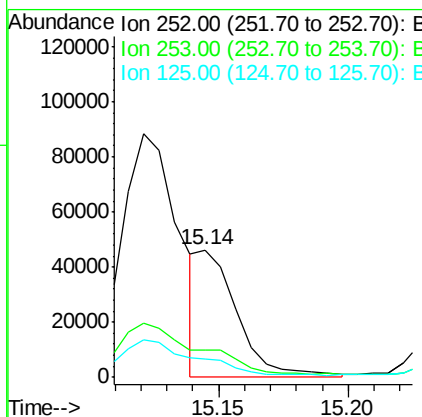
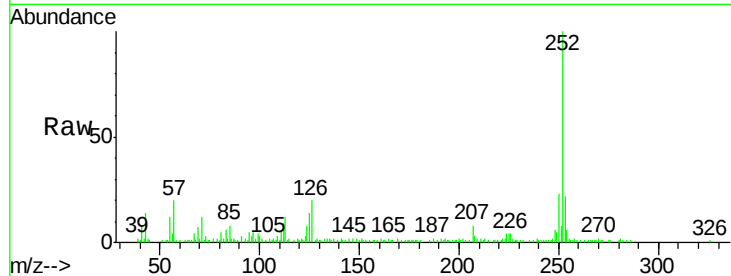
#88
Benzo(k)fluoranthene
Concen: 3.958 ng m
RT: 15.14 min Scan# 2220
Delta R.T. -0.01 min
Lab File: BF103507.D
Acq: 7 Mar 2018 18:00

Instrument :
BNA_F
ClientSampled :
SB-04-9.5-11

Tot Ion	Ratio	Lower	Upper
252	100		
253	21.8	17.9	26.9
125	14.1	10.2	15.2

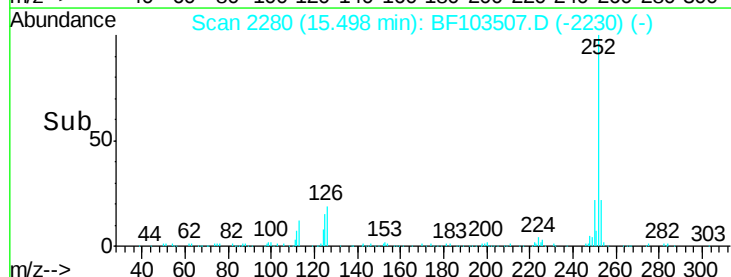
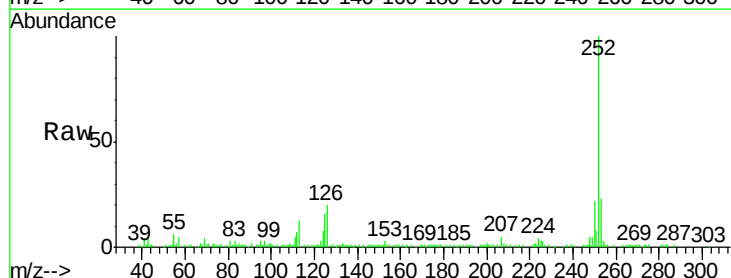
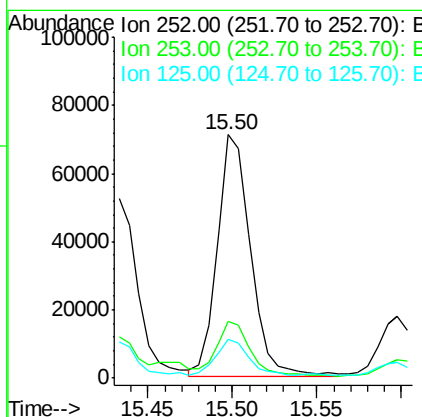
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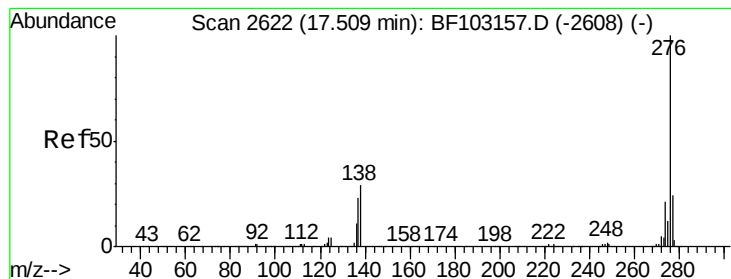
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#89
Benzo(a)pyrene
Concen: 8.645 ng
RT: 15.50 min Scan# 2280
Delta R.T. -0.01 min
Lab File: BF103507.D
Acq: 7 Mar 2018 18:00

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.2	17.1	25.7
125	16.1	9.8	14.6





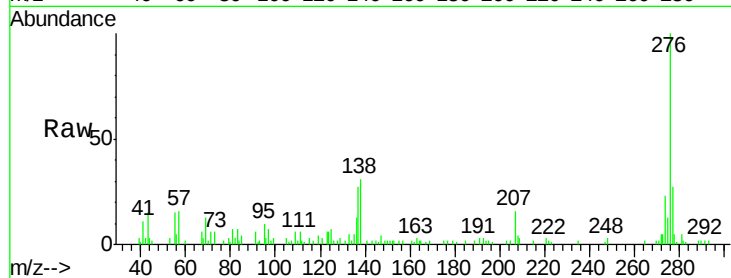
#91
 Benzo(a,h,i)perylene
 Concen: 6.691 ng
 RT: 17.57 min Scan# 2633
 Delta R.T. 0.00 min
 Lab File: BF103507.D
 Acq: 7 Mar 2018 18:00

Instrument :
 BNA_F
 ClientSampleId :
 SB-04-9.5-11

Tot Ion	Ratio	Lower	Upper
276	100		
277	27.2	17.9	26.9#
138	31.5	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

