

Data Path : \\74.0.250.170\SV0ASRV\HPCHEM1\BNA F\DATA\BF022818\
 Data File : BF103306.D
 Acq On : 28 Feb 2018 21:11
 Operator : SJ/JU
 Sample : J1716-02
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SB-01-08-12

Manual Integrations
 APPROVED

Sohil
 3/1/2018 11:43:16 AM

Quant Time: Mar 01 01:04:01 2018
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF022218.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Feb 27 17:05:20 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.87	152	157238	20.00	ng	0.00
21) Naphthalene-d8	8.16	136	685723	20.00	ng	0.00
38) Acenaphthene-d10	9.91	164	278083	20.00	ng	0.00
63) Phenanthrene-d10	11.40	188	397791	20.00	ng	0.00
75) Chrysene-d12	14.05	240	258968	20.00	ng	0.00
86) Perylene-d12	15.55	264	269798	20.00	ng	0.00

System Monitoring Compounds						
5) 2-Fluorophenol	5.50	112	1349444	129.80	ng	0.01
7) Phenol-d6	6.52	99	1641324	129.02	ng	0.00
23) Nitrobenzene-d5	7.44	82	1081463	90.07	ng	0.00
41) 2,4,6-Tribromophenol	10.71	330	270177	114.78	ng	0.00
44) 2-Fluorobiphenyl	9.23	172	1328854	81.51	ng	0.00
78) Terphenyl-d14	12.99	244	850976	78.99	ng	0.00

Target Compounds					Qvalue	
31) Naphthalene	8.17	128	318873	9.498	ng	99
49) Dimethylphthalate	9.62	163	200564	8.991	ng	99
70) Phenanthrene	11.43	178	130425	5.958	ng	98
74) Fluoranthene	12.62	202	217812	9.901	ng	99
77) Pyrene	12.85	202	222044	10.997	ng	99
80) Benzo(a)anthracene	14.04	228	136903	8.148	ng	99
82) Chrysene	14.08	228	128115	7.853	ng	99
85) Indeno(1,2,3-cd)pyrene	17.07	276	179882	13.927	ng	97
87) Benzo(b)fluoranthene	15.12	252	334258m	18.843	ng	
88) Benzo(k)fluoranthene	15.14	252	83020m	4.970	ng	
89) Benzo(a)pyrene	15.49	252	256496	16.192	ng	96
90) Dibenzo(a,h)anthracene	17.07	278	35222	2.877	ng	# 77
91) Benzo(a,h,i)perylene	17.54	276	186062	15.553	ng	97

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

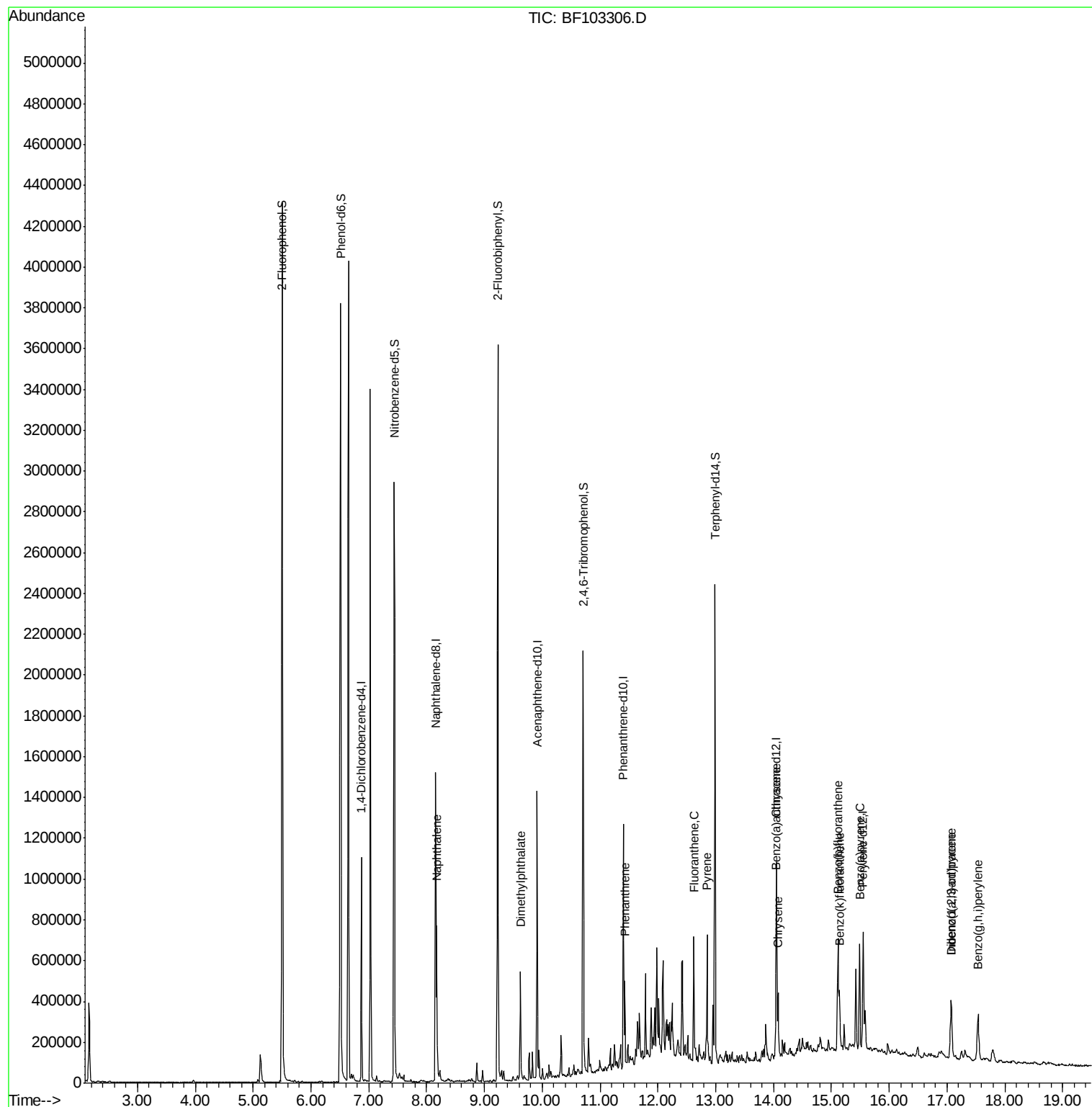
Data Path : \\74.0.250.170\SVOASRV\HPCHEM1\BNA F\DATA\BF022818\
Data File : BF103306.D
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#1

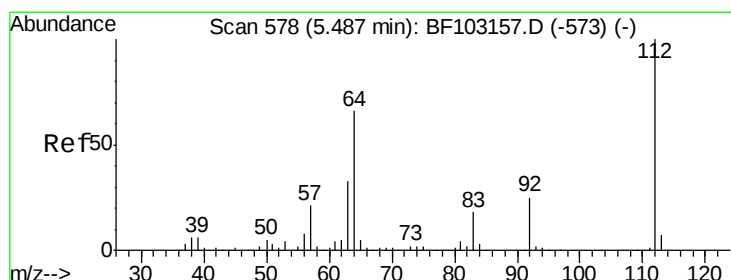
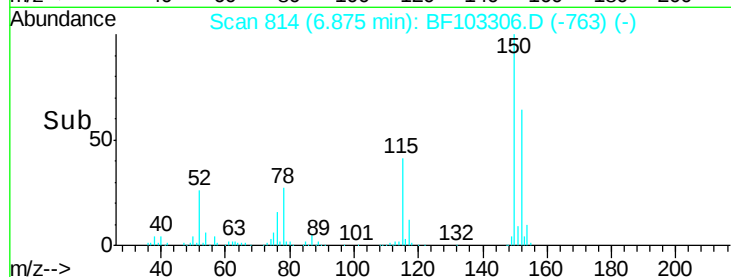
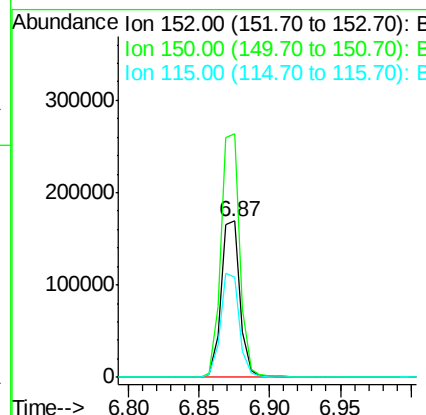
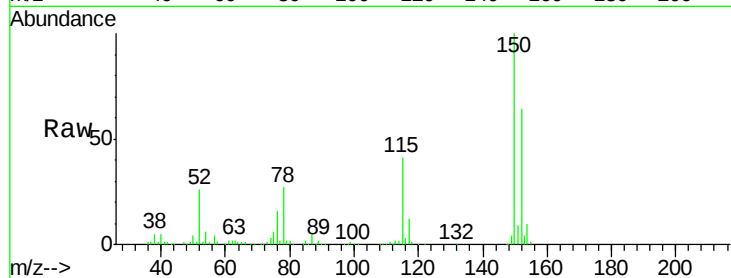
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.87 min Scan# 814
Delta R.T. -0.00 min
Lab File: BF103306.D
Acq: 28 Feb 2018 21:11

Instrument :
BNA_F
ClientSampleId :
SB-01-08-12

Tot Ion	Ratio	Lower	Upper
152	100		
150	156.0	124.6	186.8
115	63.8	50.1	75.1

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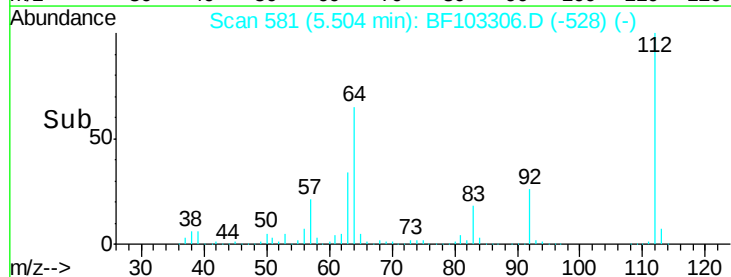
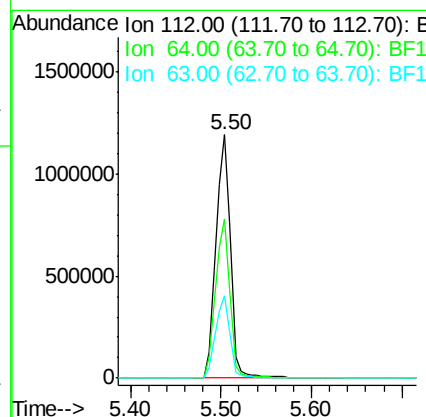
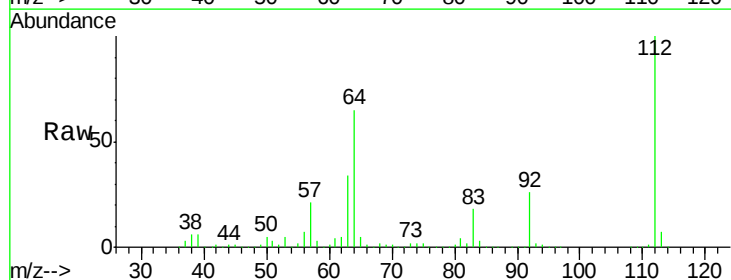
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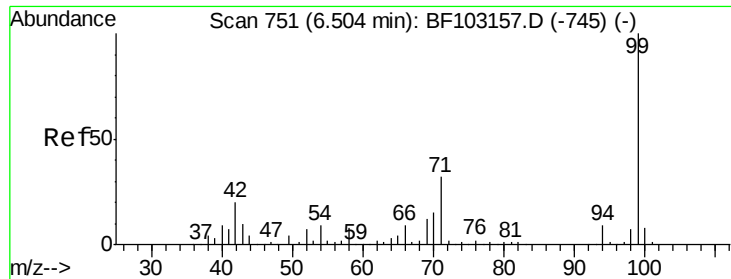


#5

2-Fluorophenol
Concen: 129.799 ng
RT: 5.50 min Scan# 581
Delta R.T. 0.01 min
Lab File: BF103306.D
Acq: 28 Feb 2018 21:11

Tgt Ion	Ratio	Lower	Upper
112	100		
64	65.2	47.9	71.9
63	34.0	23.7	35.5





#7

Phenol-d6

Concen: 129.019 ng

RT: 6.52 min Scan# 753

Delta R.T. 0.01 min

Lab File: BF103306.D

Acq: 28 Feb 2018 21:11

Instrument :

BNA_F

ClientSampleId :

SB-01-08-12

Tot Ion: 99 Resp: 1641324

Ion Ratio Lower Upper

99 100

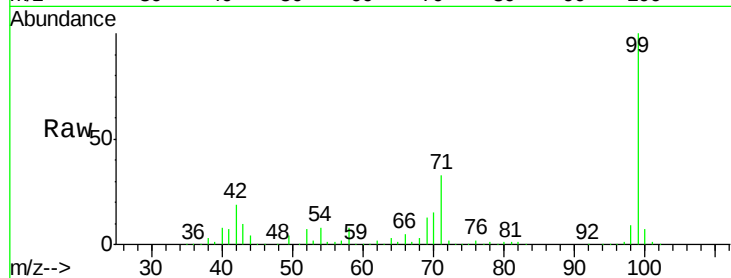
42 19.3 14.5 21.7

71 32.5 25.4 38.0

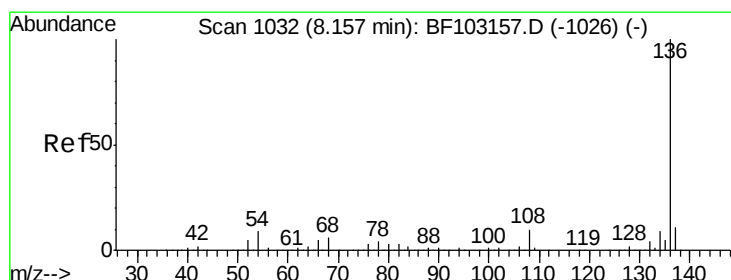
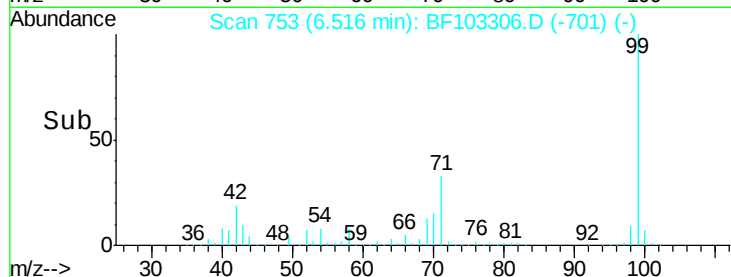
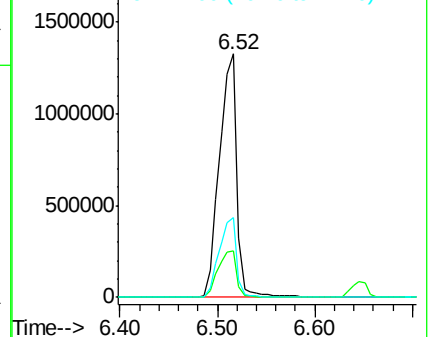
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Abundance Ion 99.00 (98.70 to 99.70): BF1
Ion 42.00 (41.70 to 42.70): BF1
Ion 71.00 (70.70 to 71.70): BF1



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.16 min Scan# 1032

Delta R.T. -0.00 min

Lab File: BF103306.D

Acq: 28 Feb 2018 21:11

Tgt Ion: 136 Resp: 685723

Ion Ratio Lower Upper

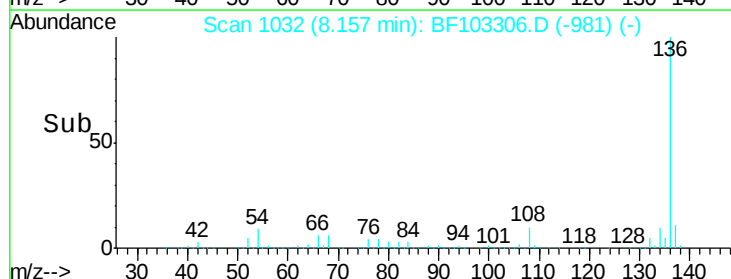
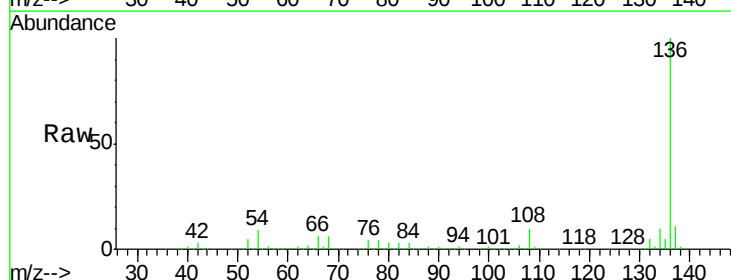
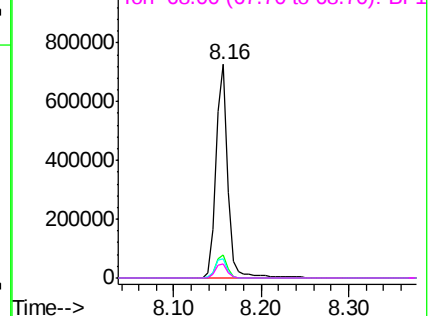
136 100

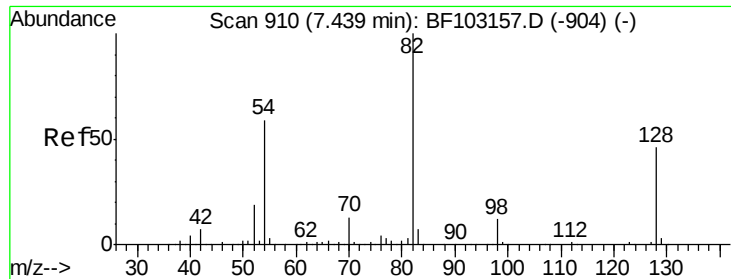
137 11.0 8.9 13.3

54 9.1 6.6 9.8

68 6.5 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: 90.066 ng

RT: 7.44 min Scan# 910

Delta R.T. -0.01 min

Lab File: BF103306.D

Acq: 28 Feb 2018 21:11

Instrument :

BNA_F

ClientSampleId :

SB-01-08-12

Tot Ion: 82 Resp: 1081463

Ion Ratio Lower Upper

82 100

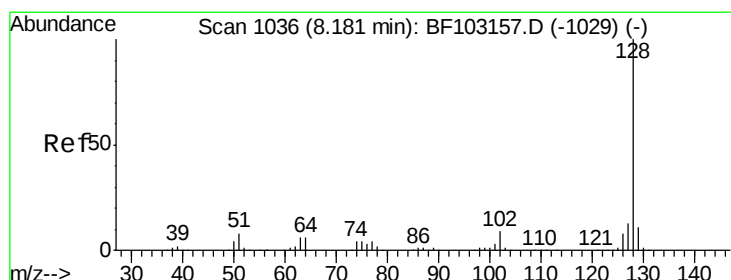
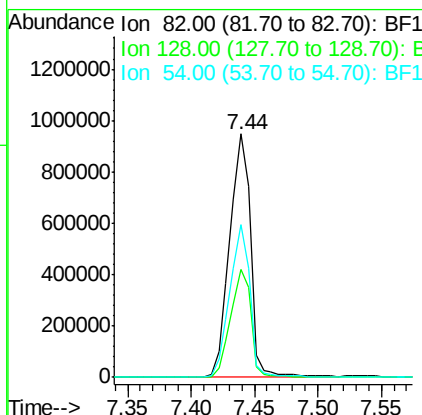
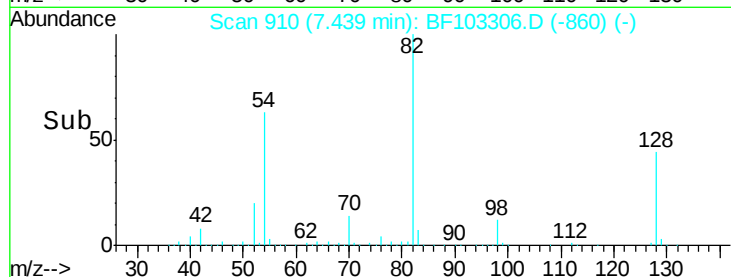
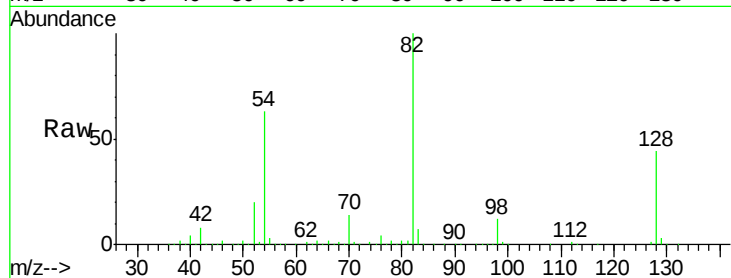
128 44.4 36.1 54.1

54 62.6 41.4 62.2#

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#31

Naphthalene

Concen: 9.498 ng

RT: 8.17 min Scan# 1035

Delta R.T. -0.01 min

Lab File: BF103306.D

Acq: 28 Feb 2018 21:11

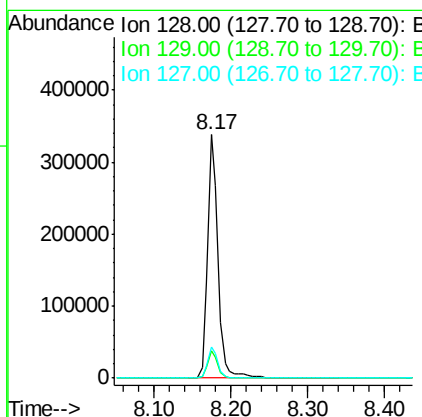
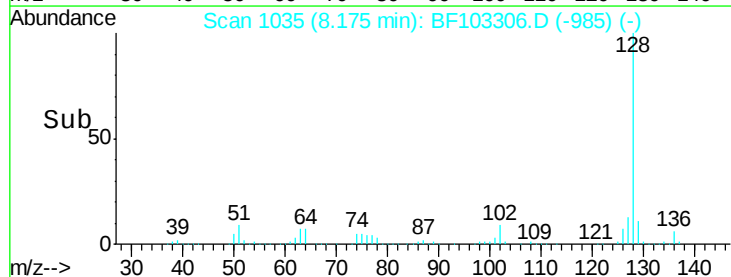
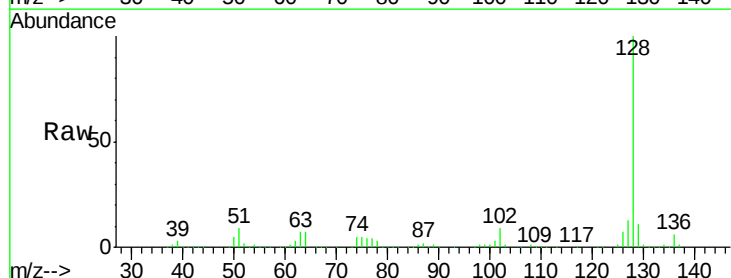
Tgt Ion: 128 Resp: 318873

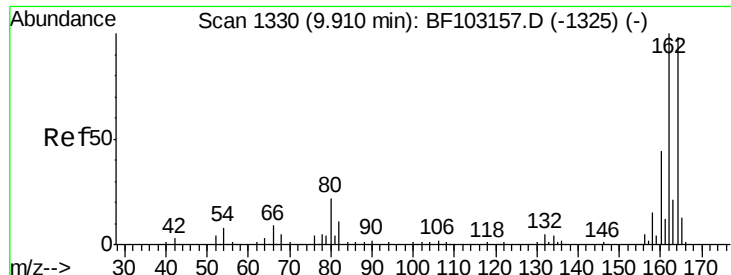
Ion Ratio Lower Upper

128 100

129 11.0 8.8 13.2

127 12.9 10.9 16.3





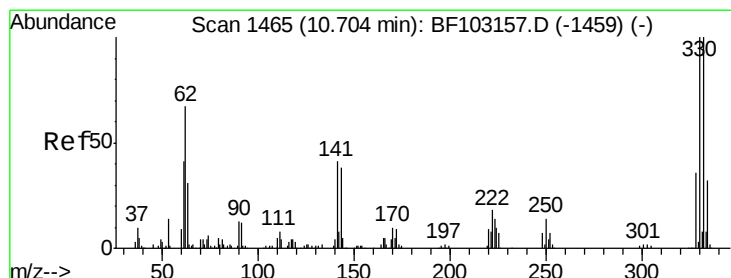
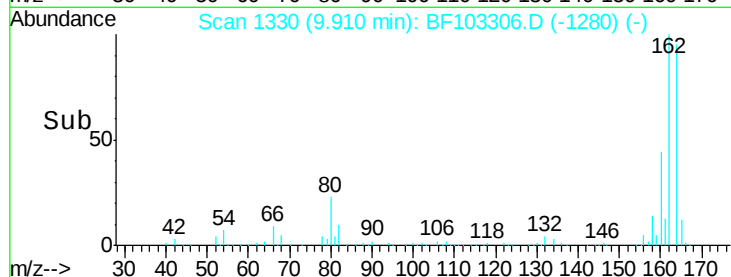
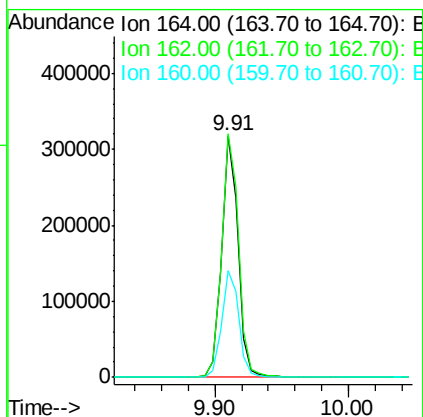
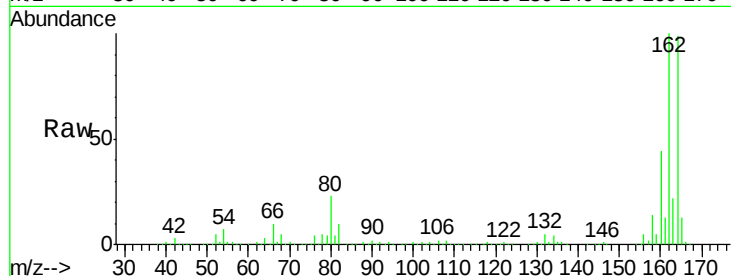
#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.91 min Scan# 1330
Delta R.T. -0.01 min
Lab File: BF103306.D
Acq: 28 Feb 2018 21:11

Instrument :
BNA_F
ClientSampleId :
SB-01-08-12

Tot Ion	Ratio	Resp	Lower	Upper
164	100	278083		
162	100.9	86.1	129.1	
160	44.1	38.3	57.5	

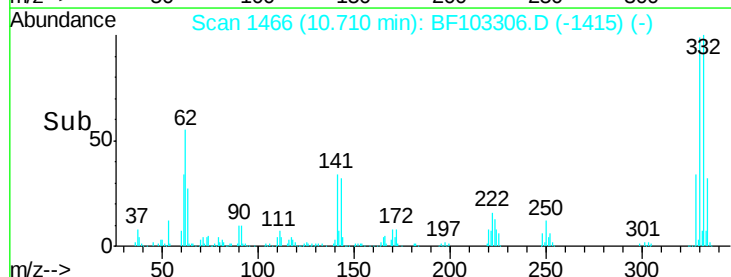
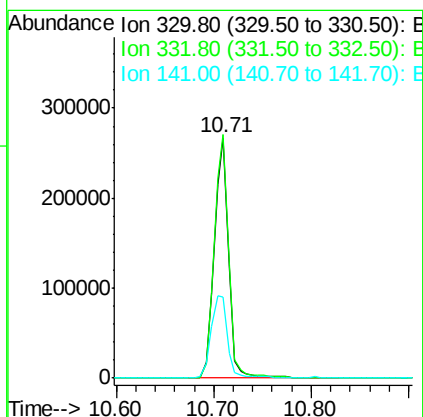
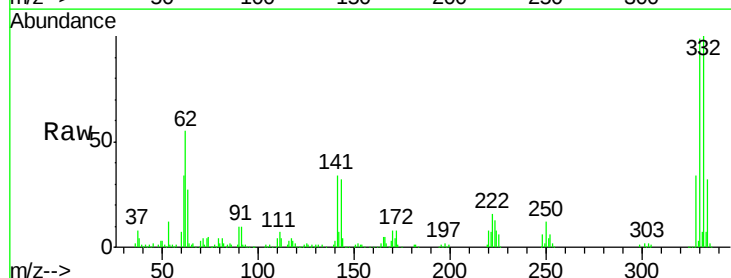
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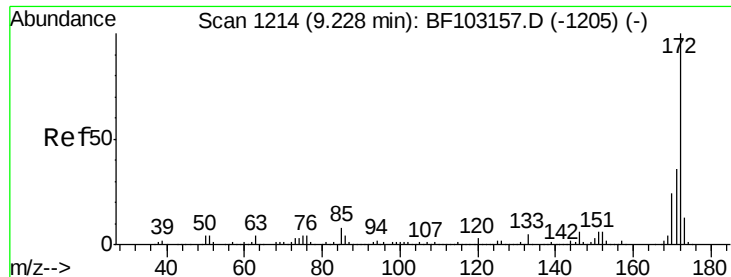
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#41
2,4,6-Tribromophenol
Concen: 114.782 ng
RT: 10.71 min Scan# 1466
Delta R.T. -0.00 min
Lab File: BF103306.D
Acq: 28 Feb 2018 21:11

Tgt Ion	Ratio	Resp	Lower	Upper
330	100	270177		
332	103.3	77.0	115.6	
141	40.4	29.9	44.9	





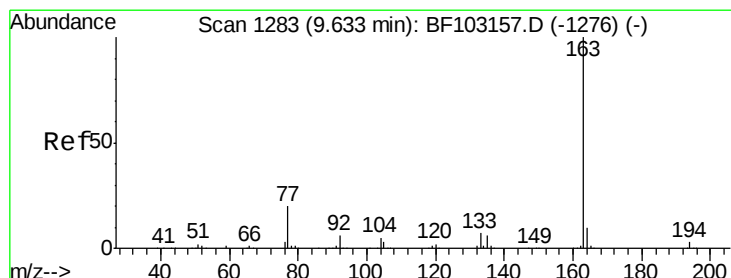
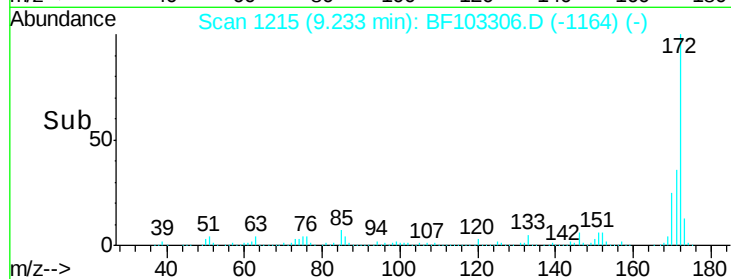
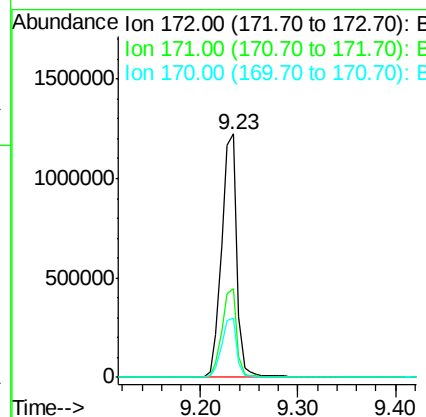
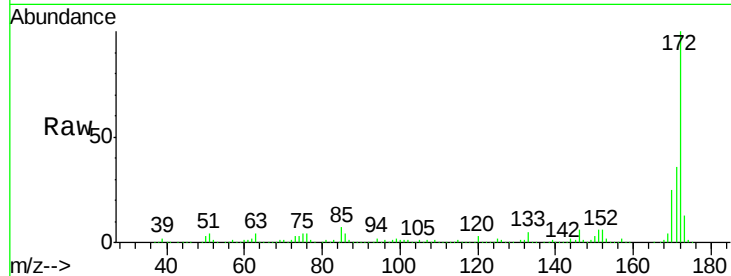
#44
2-Fluorobiphenyl
Concen: 81.507 ng
RT: 9.23 min Scan# 1215
Delta R.T. -0.00 min
Lab File: BF103306.D
Acq: 28 Feb 2018 21:11

Instrument :
BNA_F
ClientSampleId :
SB-01-08-12

Tot Ion	Ratio	Lower	Upper
172	100		
171	36.3	29.7	44.5
170	24.5	19.6	29.4

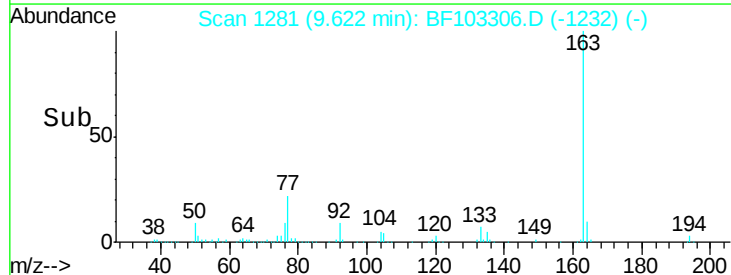
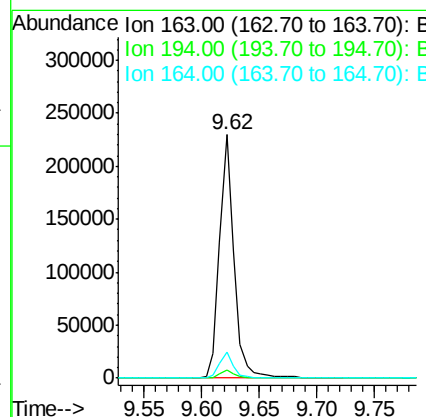
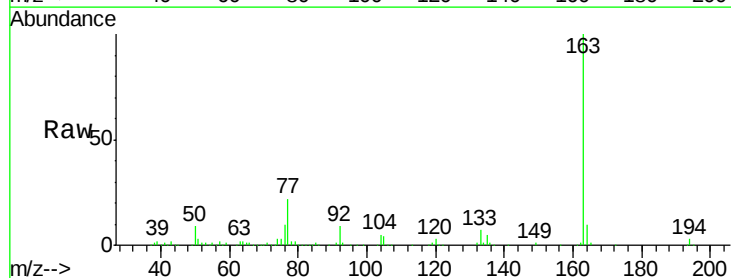
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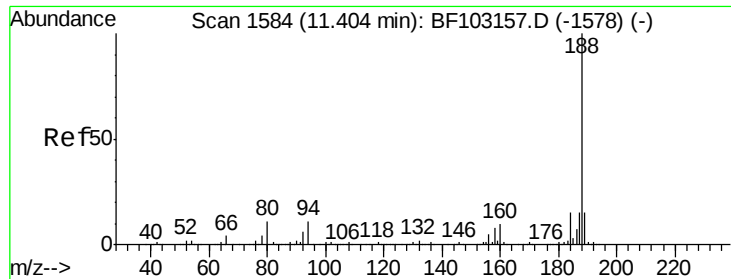
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#49
Dimethylphthalate
Concen: 8.991 ng
RT: 9.62 min Scan# 1281
Delta R.T. -0.01 min
Lab File: BF103306.D
Acq: 28 Feb 2018 21:11

Tgt Ion	Ratio	Lower	Upper
163	100		
194	3.3	2.7	4.1
164	10.5	8.2	12.2





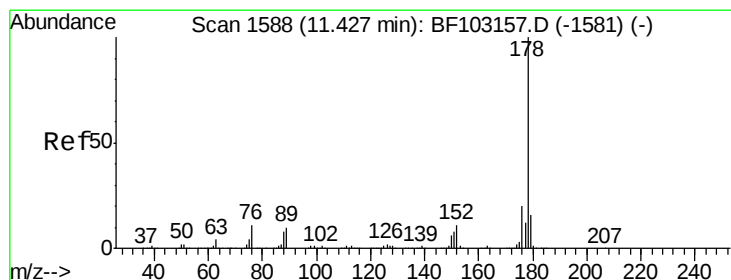
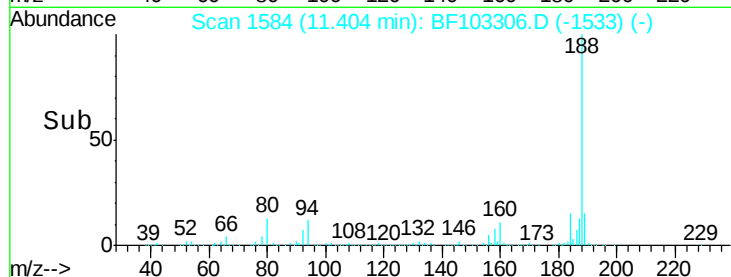
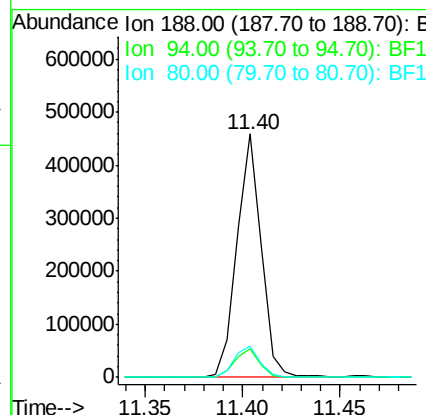
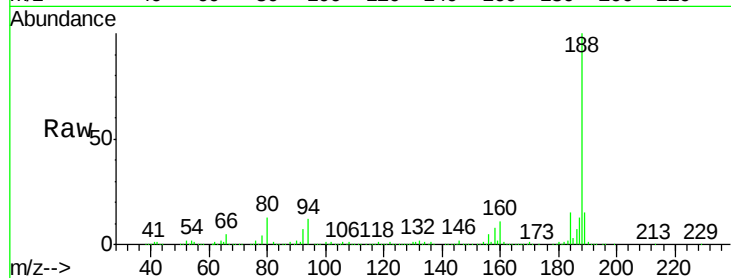
#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.40 min Scan# 1584
Delta R.T. -0.00 min
Lab File: BF103306.D
Acq: 28 Feb 2018 21:11

Instrument :
BNA_F
ClientSampleId :
SB-01-08-12

Tot Ion	Ratio	Resp	Lower	Upper
188	100	397791		
94	11.8		8.5	12.7
80	12.8		9.2	13.8

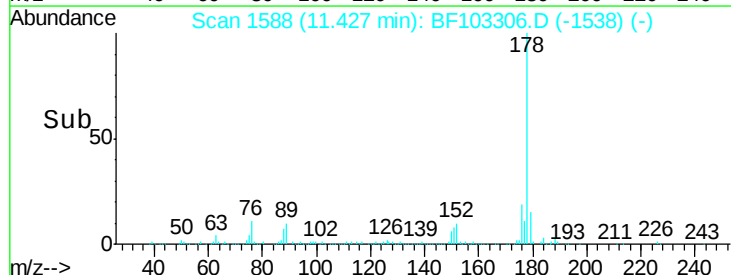
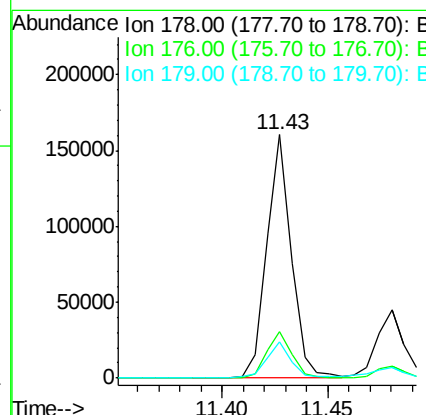
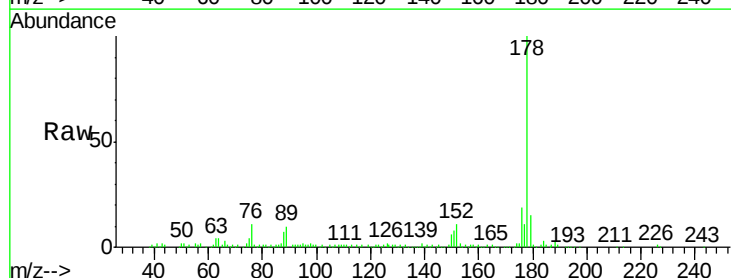
Manual Integrations
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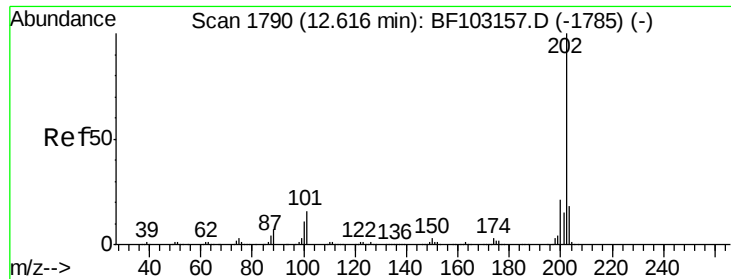
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#70
Phenanthrene
Concen: 5.958 ng
RT: 11.43 min Scan# 1588
Delta R.T. -0.01 min
Lab File: BF103306.D
Acq: 28 Feb 2018 21:11

Tgt Ion	Ratio	Resp	Lower	Upper
178	100	130425		
176	19.0		15.8	23.8
179	15.1		13.0	19.6





#74

Fluoranthene

Concen: 9.901 ng

RT: 12.62 min Scan# 1791

Delta R.T. -0.00 min

Lab File: BF103306.D

Acq: 28 Feb 2018 21:11

Instrument :

BNA_F

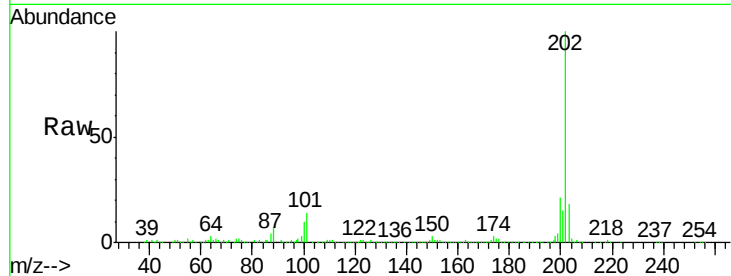
ClientSampleId :

SB-01-08-12

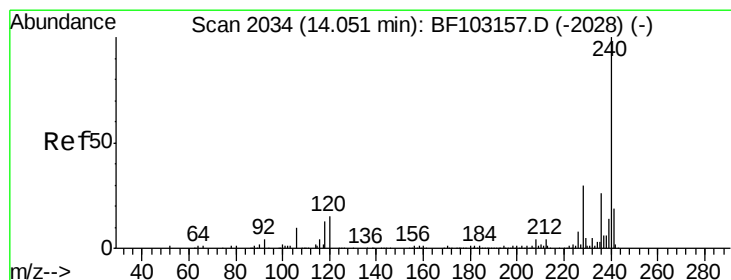
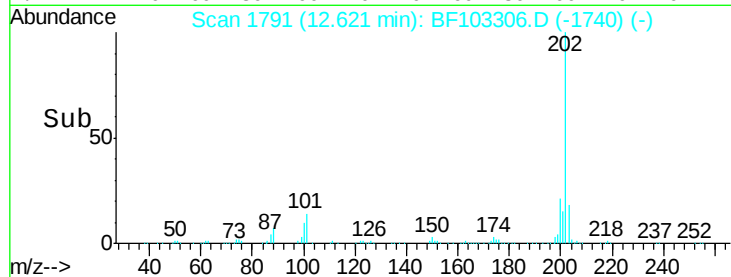
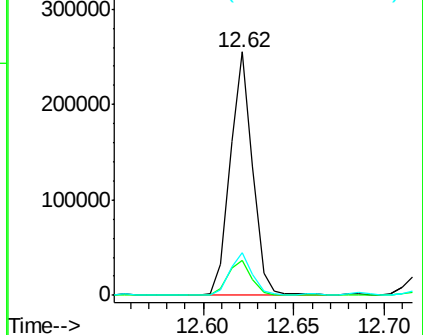
Tot Ion	Ratio	Resp Lower	Upper
202	100		
101	14.3	0.0	34.1
203	17.5	0.0	38.1

Manual Integrations
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Abundance Ion 202.00 (201.70 to 202.70): E
Ion 101.00 (100.70 to 101.70): E
Ion 203.00 (202.70 to 203.70): E



#75

Chrysene-d12

Concen: 20.000 ng

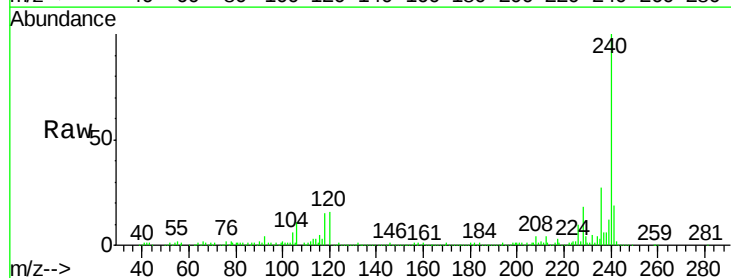
RT: 14.05 min Scan# 2034

Delta R.T. -0.01 min

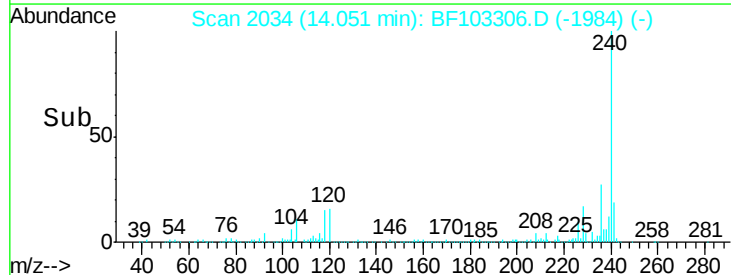
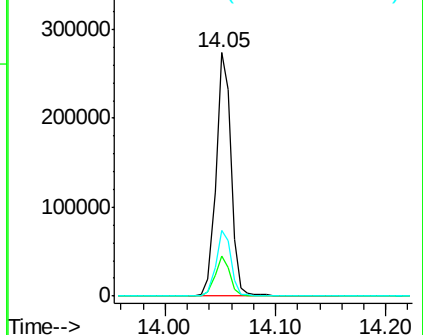
Lab File: BF103306.D

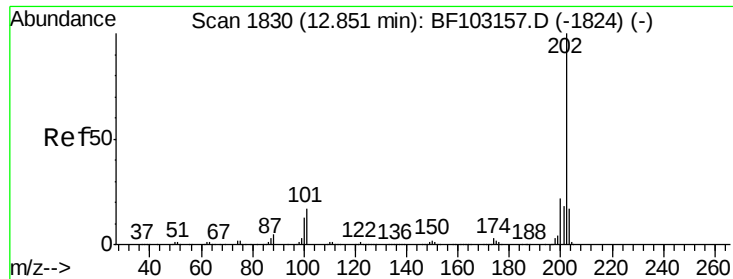
Acq: 28 Feb 2018 21:11

Tgt Ion	Ratio	Resp Lower	Upper
240	100		
120	16.3	9.5	14.3#
236	27.1	20.7	31.1



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





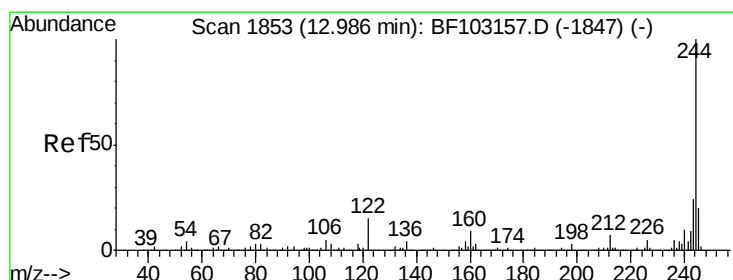
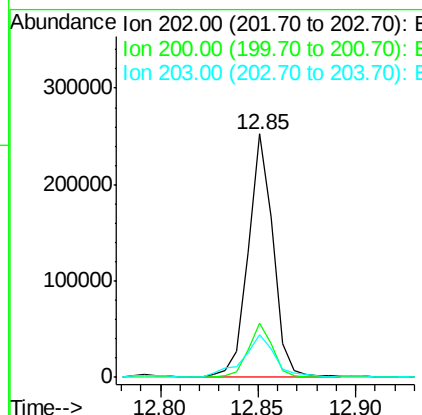
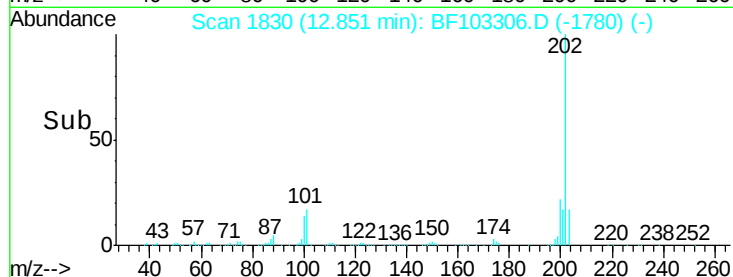
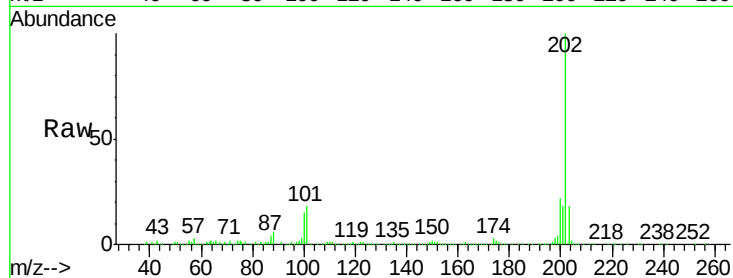
#77
Pvrene
Concen: 10.997 ng
RT: 12.85 min Scan# 1830
Delta R.T. -0.01 min
Lab File: BF103306.D
Acq: 28 Feb 2018 21:11

Instrument :
BNA_F
ClientSampleId :
SB-01-08-12

Tot Ion	Ratio	Lower	Upper
202	100		
200	22.2	17.4	26.2
203	17.6	14.3	21.5

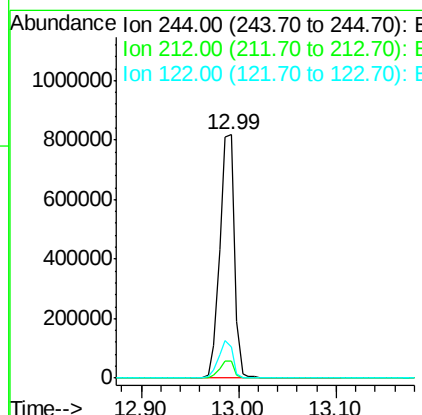
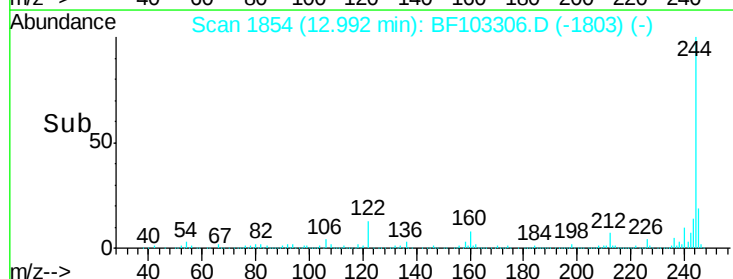
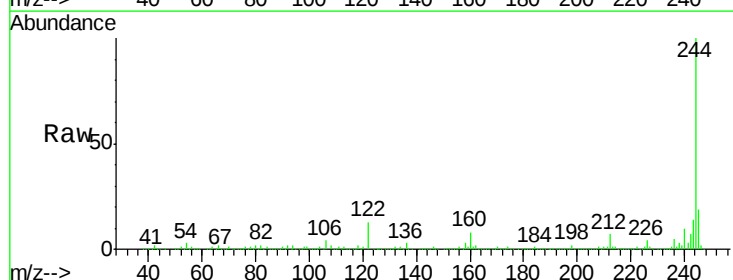
Manual Integrations
APPROVED

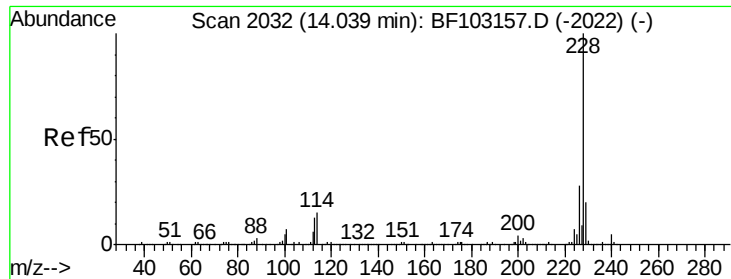
Sohil
3/1/2018 11:43:16 AM



#78
Terphenyl-d14
Concen: 78.992 ng
RT: 12.99 min Scan# 1854
Delta R.T. -0.00 min
Lab File: BF103306.D
Acq: 28 Feb 2018 21:11

Tgt Ion	Ratio	Lower	Upper
244	100		
212	6.9	5.4	8.0
122	12.8	11.0	16.4





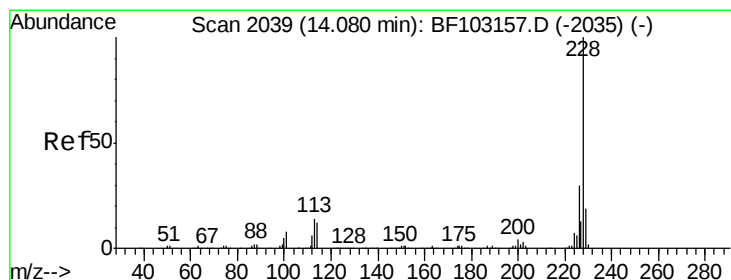
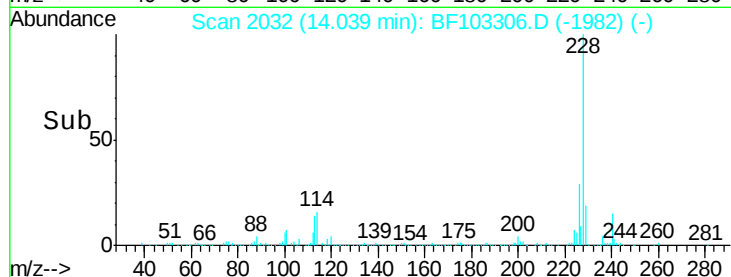
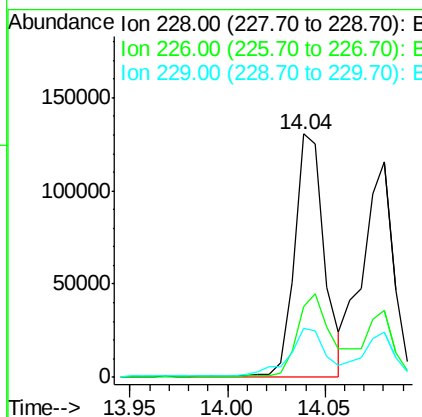
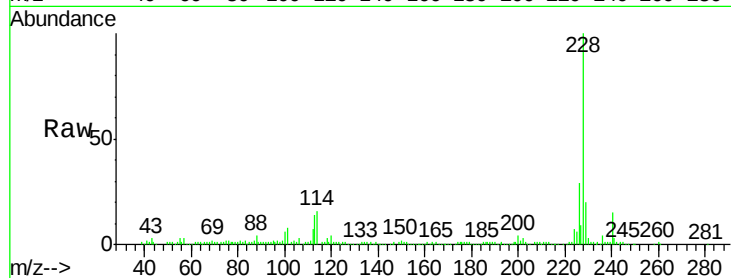
#80
Benzo(a)anthracene
Concen: 8.148 ng
RT: 14.04 min Scan# 2032
Delta R.T. -0.01 min
Lab File: BF103306.D
Acq: 28 Feb 2018 21:11

Instrument :
BNA_F
ClientSampleId :
SB-01-08-12

Tot Ion	Ratio	Lower	Upper
228	100		
226	29.0	22.6	33.8
229	20.3	15.8	23.6

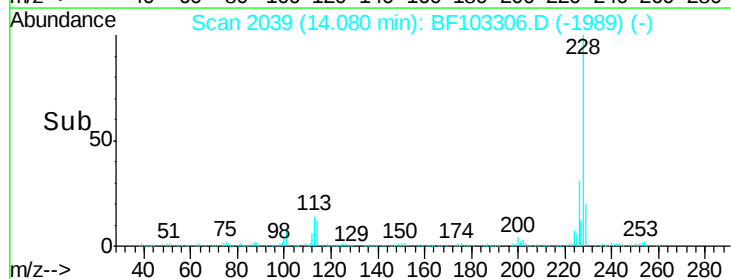
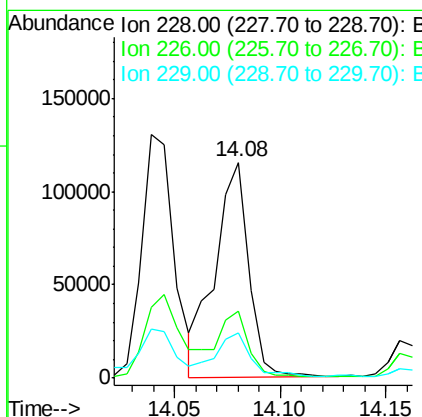
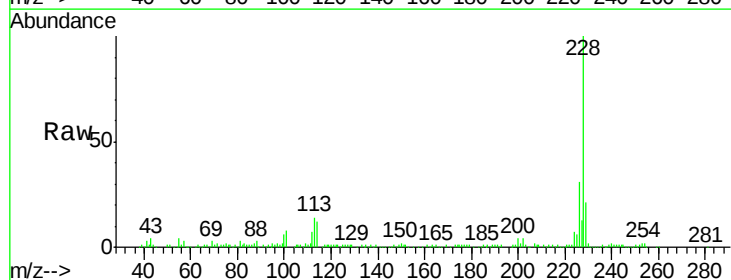
Manual Integrations
APPROVED

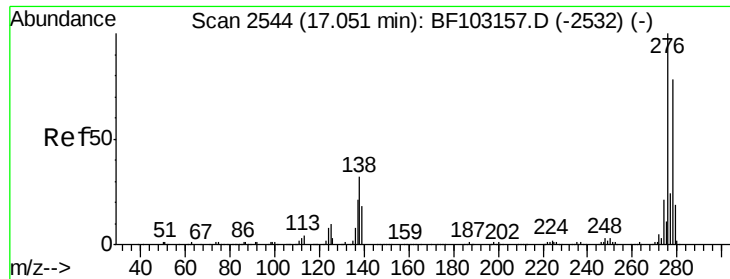
Sohil
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#82
Chrysene
Concen: 7.853 ng
RT: 14.08 min Scan# 2039
Delta R.T. -0.01 min
Lab File: BF103306.D
Acq: 28 Feb 2018 21:11

Tgt Ion	Ratio	Lower	Upper
228	100		
226	31.0	25.0	37.6
229	21.0	16.2	24.4





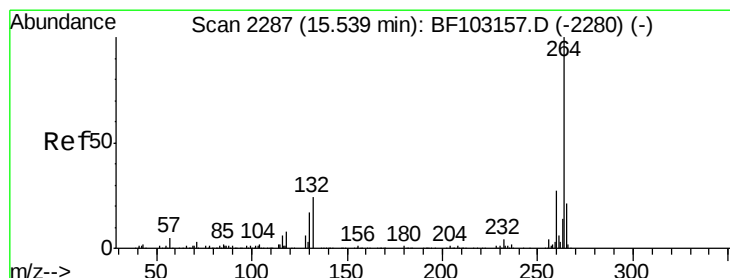
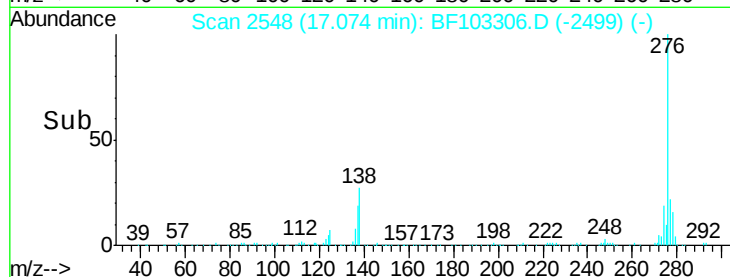
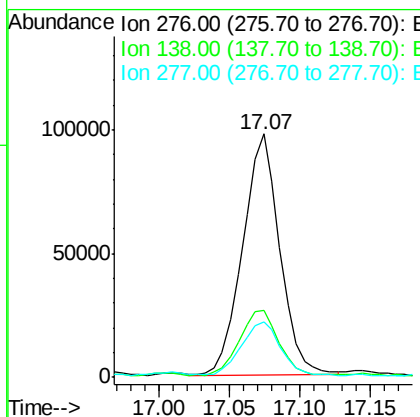
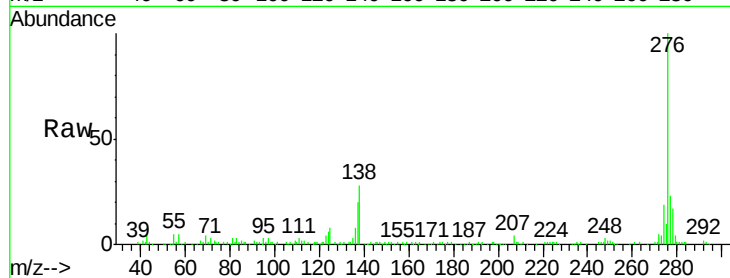
#85
Indeno(1,2,3-cd)pyrene
Concen: 13.927 ng
RT: 17.07 min Scan# 2548
Delta R.T. -0.01 min
Lab File: BF103306.D
Acq: 28 Feb 2018 21:11

Instrument :
BNA_F
ClientSampleId :
SB-01-08-12

Tot Ion	Ratio	Lower	Upper
276	100		
138	28.9	25.0	37.6
277	24.0	20.1	30.1

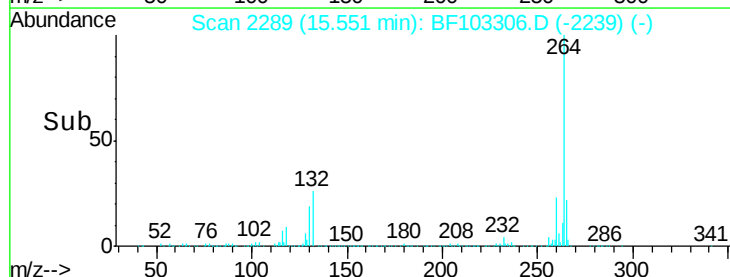
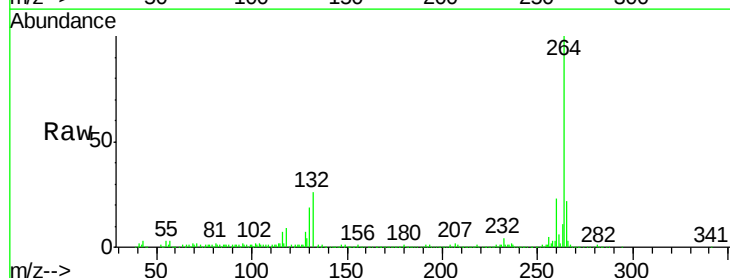
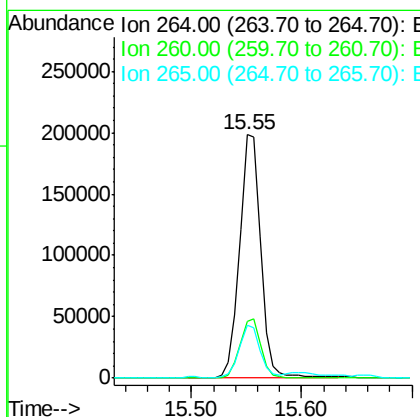
Manual Integrations
APPROVED

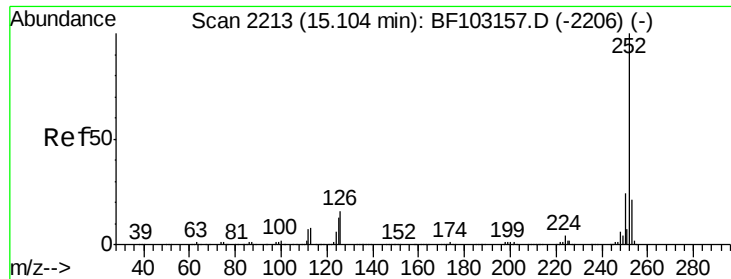
Sohil
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#86
Perylene-d12
Concen: 20.000 ng
RT: 15.55 min Scan# 2289
Delta R.T. -0.01 min
Lab File: BF103306.D
Acq: 28 Feb 2018 21:11

Tgt Ion	Ratio	Lower	Upper
264	100		
260	23.5	19.2	28.8
265	21.7	17.5	26.3





#87

Benzo(b)fluoranthene

Concen: 18.843 ng m

RT: 15.12 min Scan# 2215

Delta R.T. -0.00 min

Lab File: BF103306.D

Acq: 28 Feb 2018 21:11

Instrument :

BNA_F

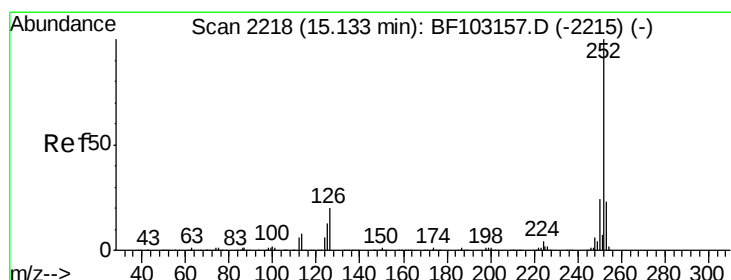
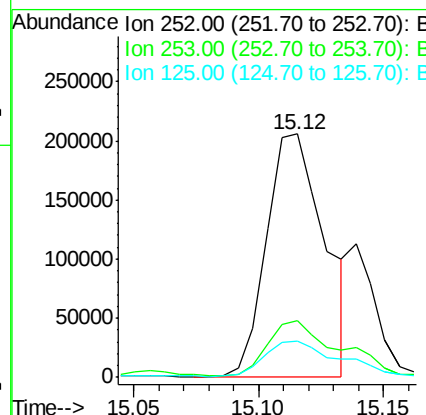
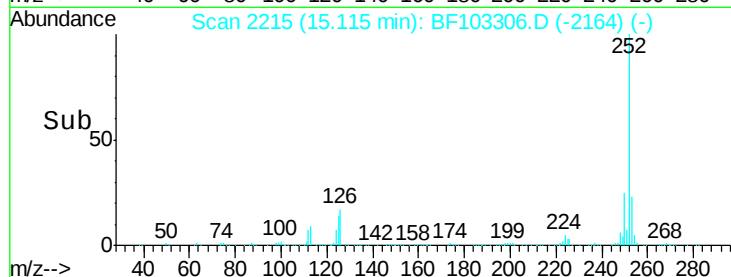
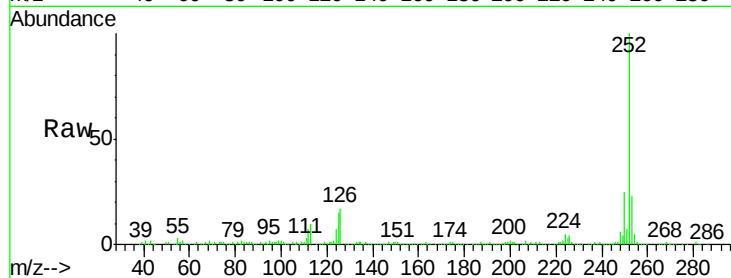
ClientSampleId :

SB-01-08-12

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.2	17.0	25.6
125	14.8	9.0	13.6

Manual Integrations
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#88

Benzo(k)fluoranthene

Concen: 4.970 ng m

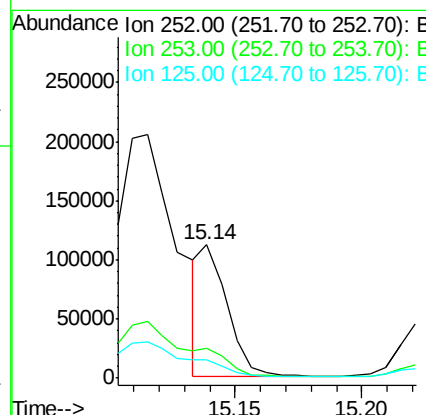
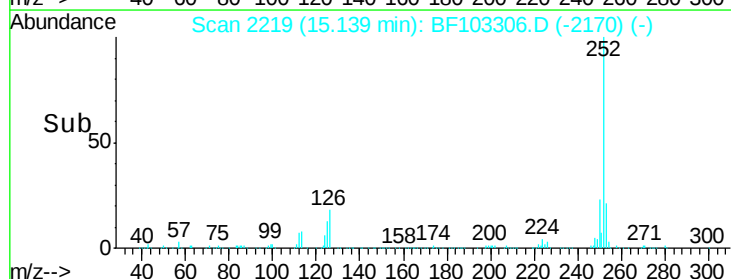
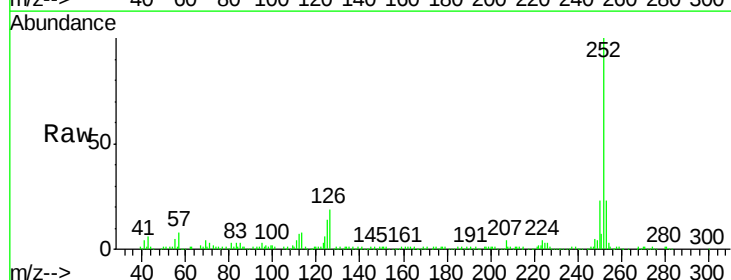
RT: 15.14 min Scan# 2219

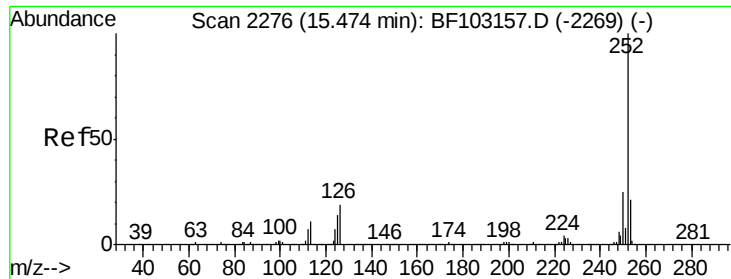
Delta R.T. -0.01 min

Lab File: BF103306.D

Acq: 28 Feb 2018 21:11

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.8	17.9	26.9
125	13.6	10.2	15.2





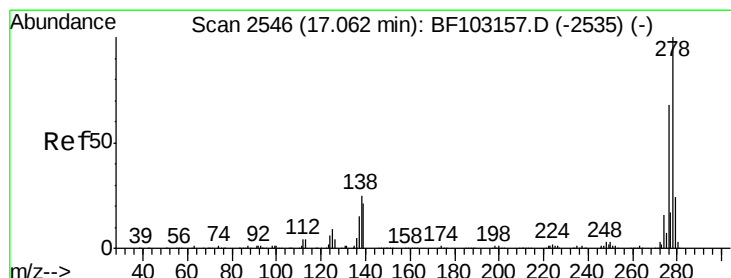
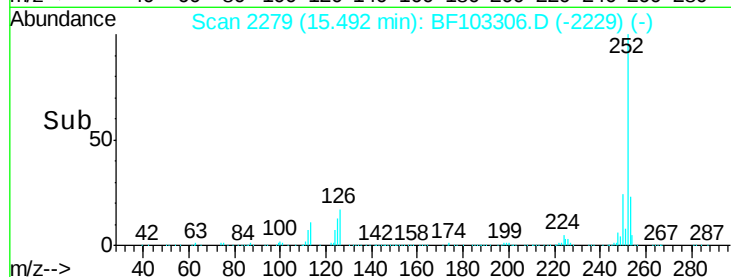
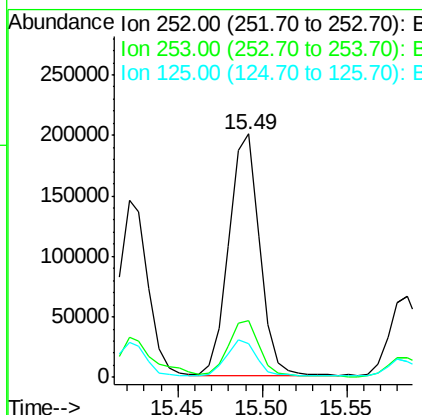
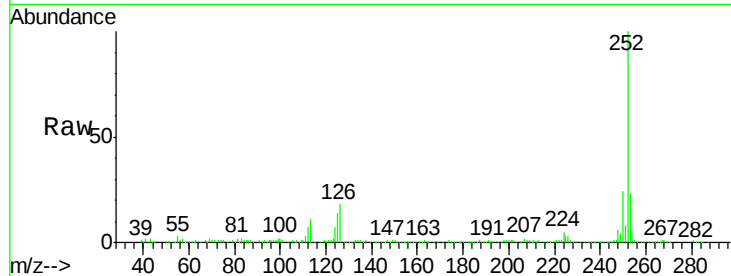
#89
Benzo(a)pyrene
Concen: 16.192 ng
RT: 15.49 min Scan# 2279
Delta R.T. -0.01 min
Lab File: BF103306.D
Acq: 28 Feb 2018 21:11

Instrument :
BNA_F
ClientSampleId :
SB-01-08-12

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.1	17.1	25.7
125	13.6	9.8	14.6

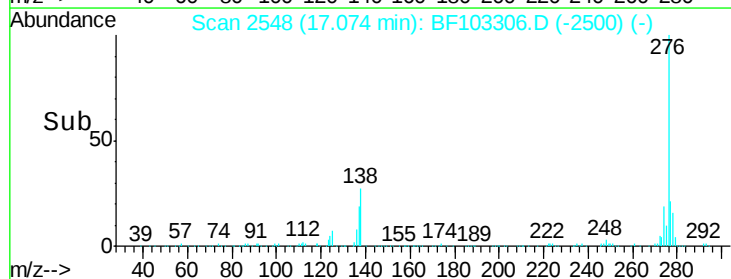
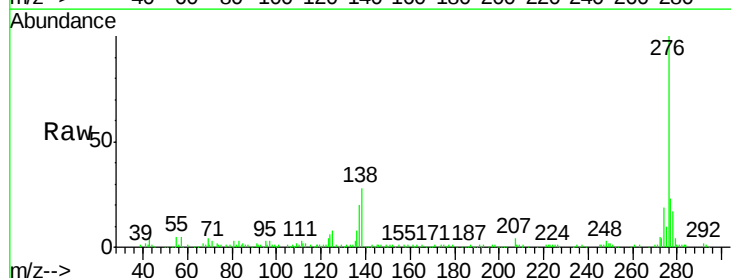
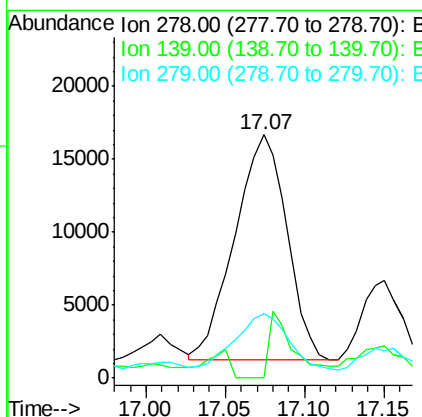
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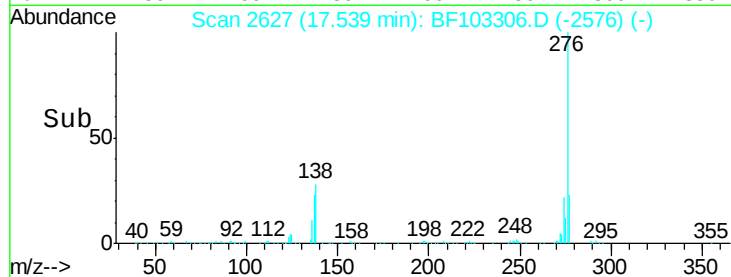
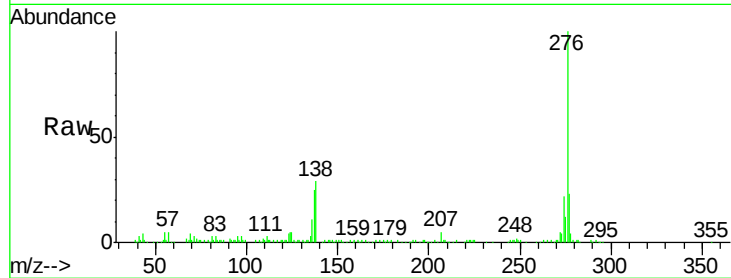
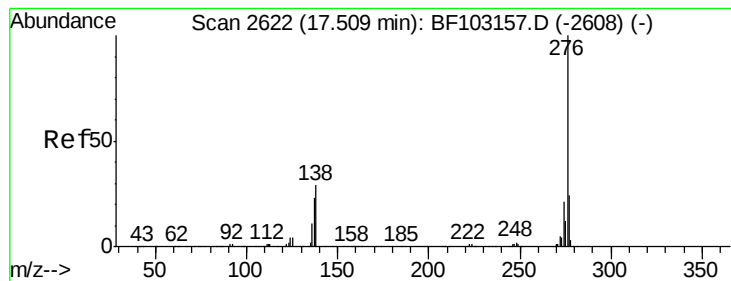
Sohil
3/1/2018 11:43:16 AM



#90
Dibenzo(a,h)anthracene
Concen: 2.877 ng
RT: 17.07 min Scan# 2548
Delta R.T. -0.02 min
Lab File: BF103306.D
Acq: 28 Feb 2018 21:11

Tgt Ion	Ratio	Lower	Upper
278	100		
139	0.0	15.9	23.9#
279	26.3	19.0	28.4





#91

Benzo(a,h,i)perylene

Concen: 15.553 ng

RT: 17.54 min Scan# 2627

Delta R.T. -0.00 min

Lab File: BF103306.D

Acq: 28 Feb 2018 21:11

Instrument :

BNA_F

ClientSampleId :

SB-01-08-12

Tot Ion:	276	Resp:	186062
Ion Ratio	Lower	Upper	
276	100		
277	23.5	17.9	26.9
138	29.2	21.8	32.8

Manual Integrations
APPROVED

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3/1/2018 11:43:16 AM

