

Data Path : \\74.0.250.170\SV0ASRV\HPCHEM1\BNA F\DATA\BF022818\
 Data File : BF103315.D
 Acq On : 1 Mar 2018 1:11
 Operator : SJ/JU
 Sample : J1720-01
 Misc :
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SP-31

Manual Integrations
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Sohil

3/1/2018 11:43:41 AM

Quant Time: Mar 01 03:03:55 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	144167	20.00	ng	0.00
21) Naphthalene-d8	8.16	136	606494	20.00	ng	0.00
38) Acenaphthene-d10	9.92	164	247818	20.00	ng	0.00
63) Phenanthrene-d10	11.40	188	351955	20.00	ng	0.00
75) Chrysene-d12	14.06	240	254469	20.00	ng	0.00
86) Perylene-d12	15.56	264	201519	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.50	112	1029221	107.97	ng	0.00
7) Phenol-d6	6.51	99	1245217	106.76	ng	0.00
23) Nitrobenzene-d5	7.44	82	803826	75.69	ng	0.00
41) 2,4,6-Tribromophenol	10.71	330	172044	82.02	ng	0.00
44) 2-Fluorobiphenyl	9.23	172	1091555	73.44	ng	0.00
78) Terphenyl-d14	12.99	244	704880	66.59	ng	0.00
Target Compounds						
49) Dimethylphthalate	9.62	163	94671	4.762	ng	Qvalue 100
70) Phenanthrene	11.43	178	201630	10.410	ng	99
71) Anthracene	11.48	178	44325	2.232	ng	98
74) Fluoranthene	12.62	202	317469	16.311	ng	99
77) Pyrene	12.86	202	302671	15.256	ng	99
80) Benzo(a)anthracene	14.04	228	146486m	8.872	ng	
82) Chrysene	14.08	228	150621m	9.395	ng	
85) Indeno(1,2,3-cd)pyrene	17.09	276	57374	4.521	ng	96
87) Benzo(b)fluoranthene	15.12	252	159533m	12.041	ng	
88) Benzo(k)fluoranthene	15.14	252	61518m	4.931	ng	
89) Benzo(a)pyrene	15.49	252	107581	9.092	ng	# 93
91) Benzo(a,h,i)perylene	17.55	276	56867	6.364	ng	93

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

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Sample : J1720-01
Misc :
ALS Vial : 23 Sample Multiplier: 1

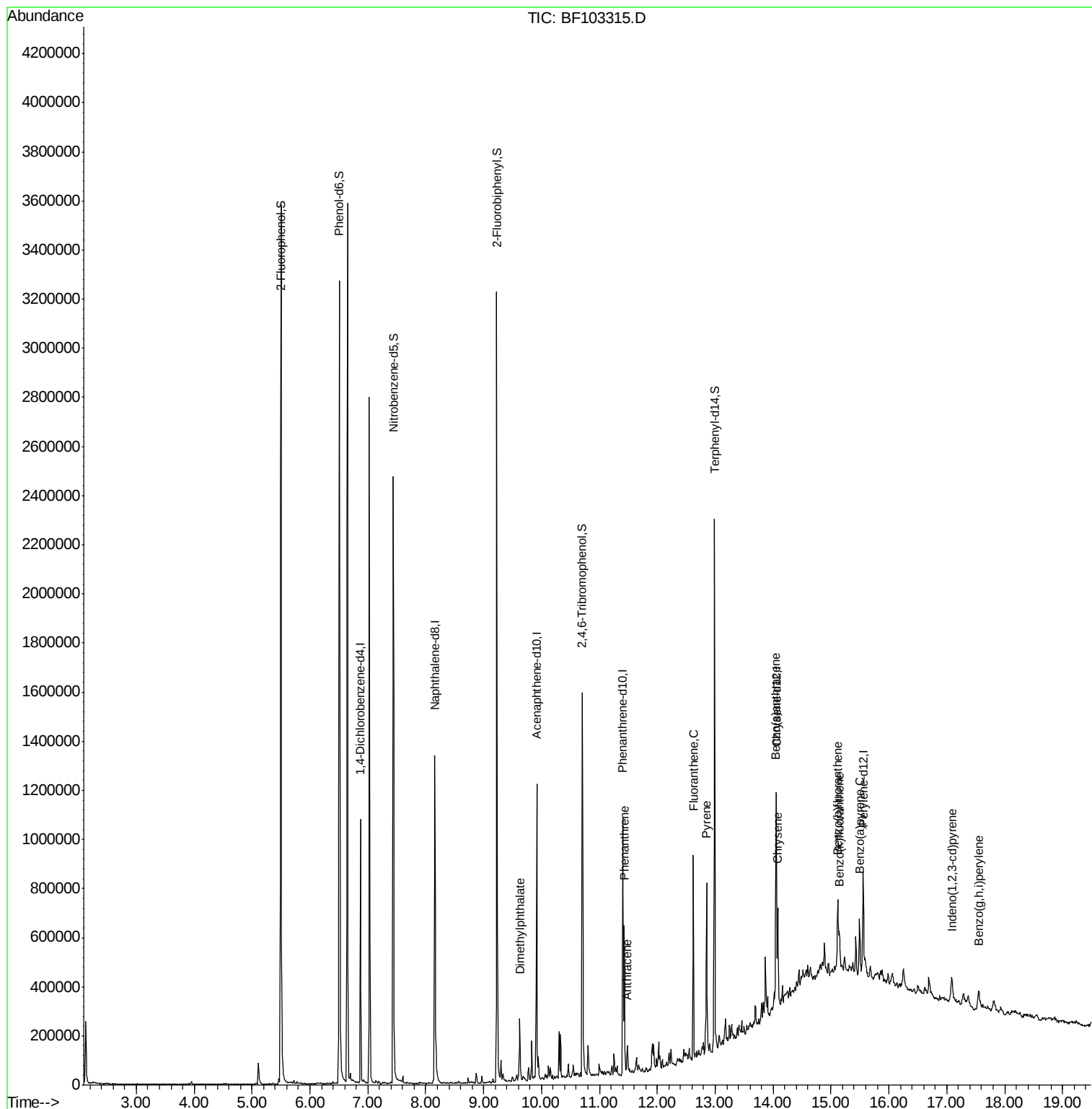
Instrument :
BNA_F
ClientSampleId :
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#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.87 min Scan# 814
 Delta R.T. -0.00 min
 Lab File: BF103315.D
 Acq: 1 Mar 2018 1:11

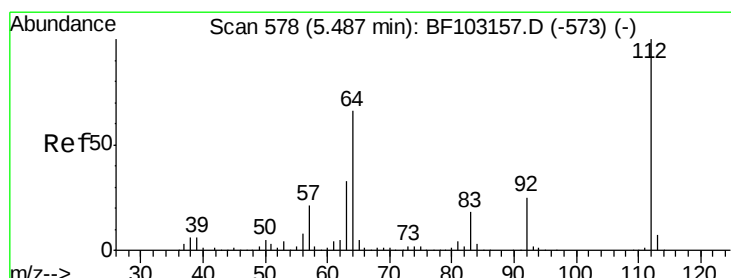
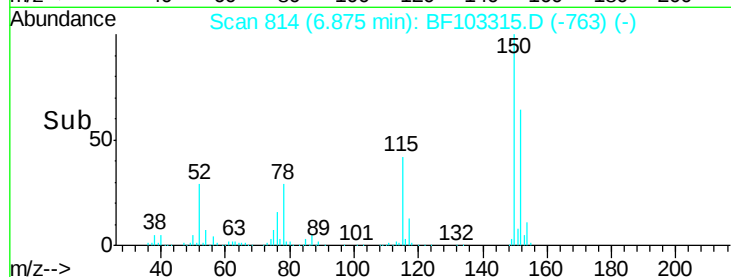
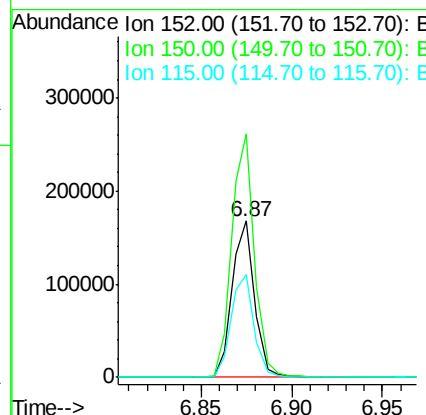
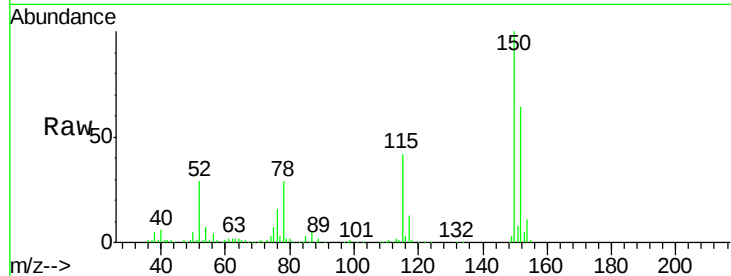
Instrument :
 BNA_F
 ClientSampleId :
 SP-31

Tot Ion	Ratio	Lower	Upper
152	100		
150	156.0	124.6	186.8
115	65.7	50.1	75.1

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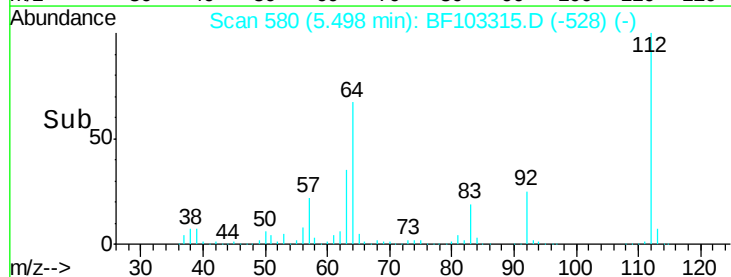
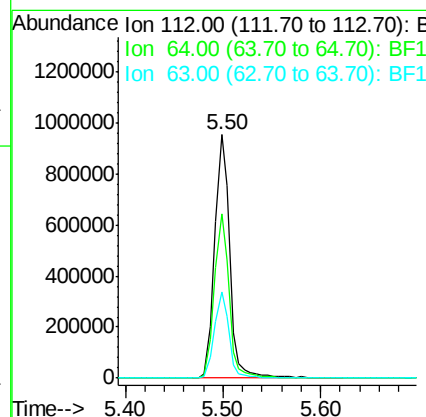
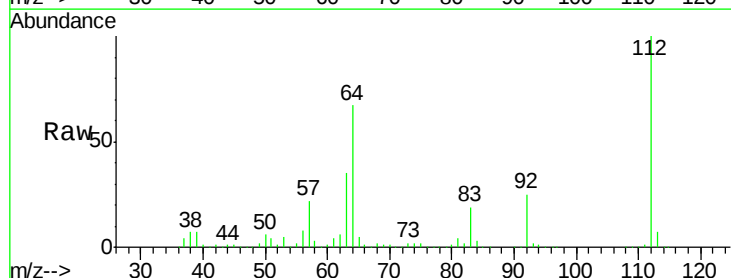
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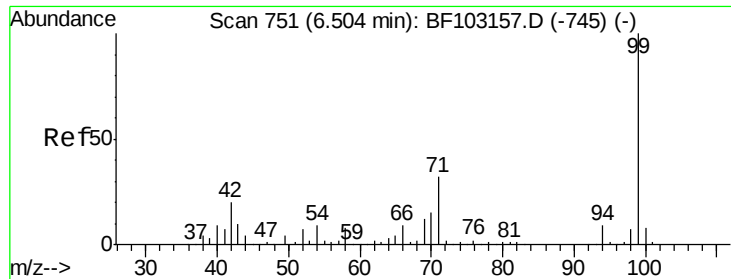
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#5
 2-Fluorophenol
 Concen: 107.974 ng
 RT: 5.50 min Scan# 580
 Delta R.T. 0.01 min
 Lab File: BF103315.D
 Acq: 1 Mar 2018 1:11

Tgt Ion	Ratio	Lower	Upper
112	100		
64	67.5	47.9	71.9
63	35.3	23.7	35.5





#7

Phenol-d6

Concen: 106.757 ng

RT: 6.51 min Scan# 752

Delta R.T. -0.00 min

Lab File: BF103315.D

Acq: 1 Mar 2018 1:11

Instrument :

BNA_F

ClientSampled :

SP-31

Tot Ion: 99 Resp: 1245217

Ion Ratio Lower Upper

99 100

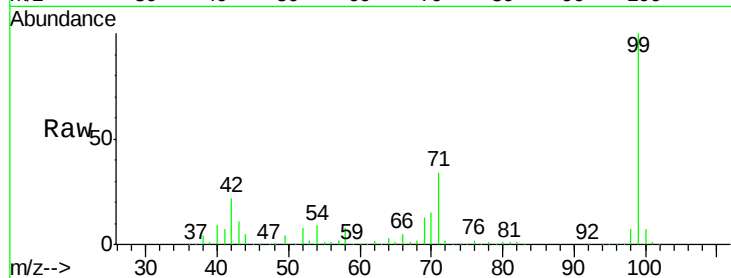
42 22.1 14.5 21.7#

71 33.9 25.4 38.0

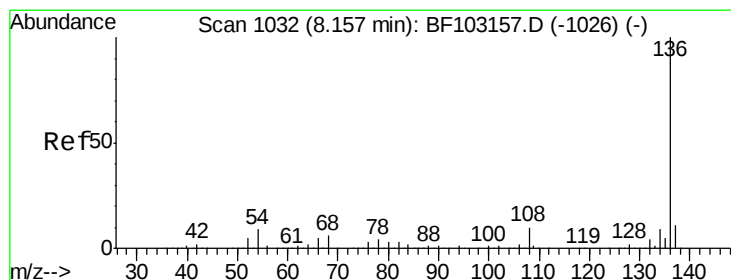
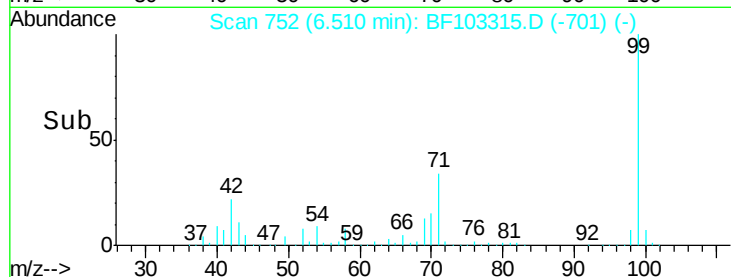
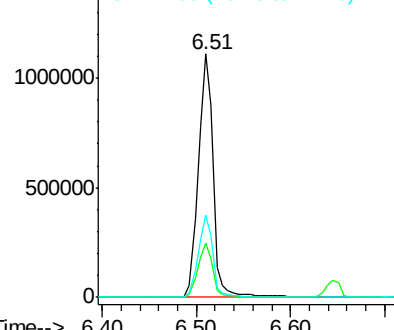
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Abundance Ion 99.00 (98.70 to 99.70): BF1
Ion 42.00 (41.70 to 42.70): BF1
Ion 71.00 (70.70 to 71.70): BF1



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.16 min Scan# 1032

Delta R.T. -0.00 min

Lab File: BF103315.D

Acq: 1 Mar 2018 1:11

Tgt Ion: 136 Resp: 606494

Ion Ratio Lower Upper

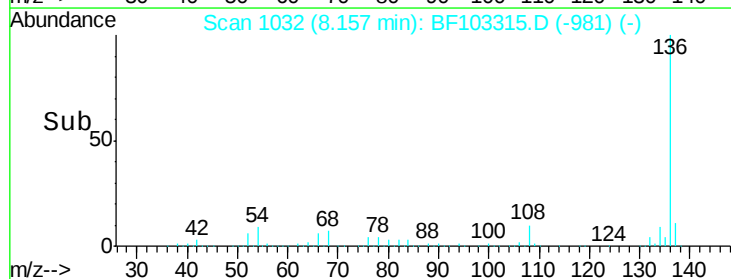
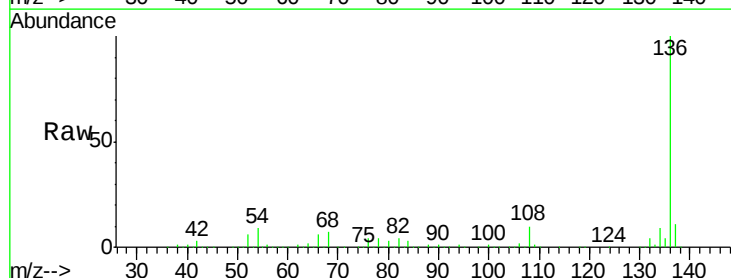
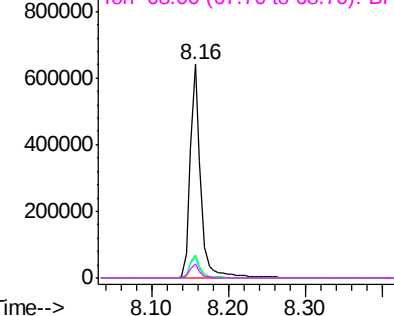
136 100

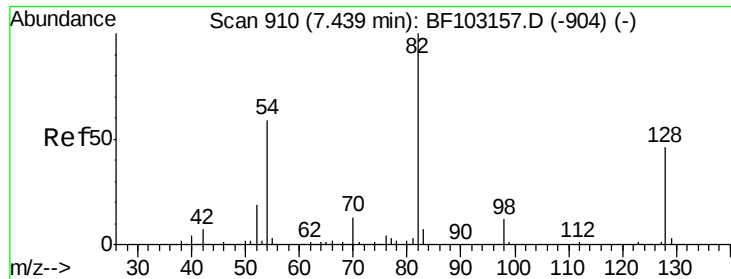
137 10.9 8.9 13.3

54 9.4 6.6 9.8

68 6.7 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: 75.690 ng
RT: 7.44 min Scan# 910
Delta R.T. -0.01 min
Lab File: BF103315.D
Acq: 1 Mar 2018 1:11

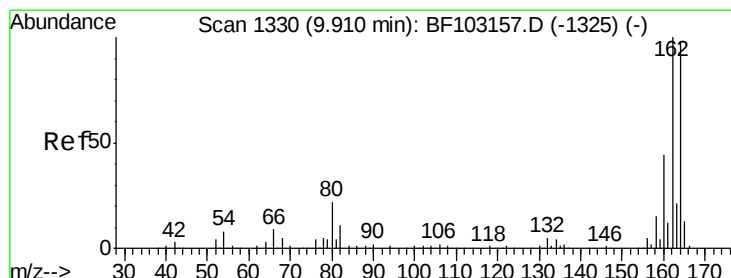
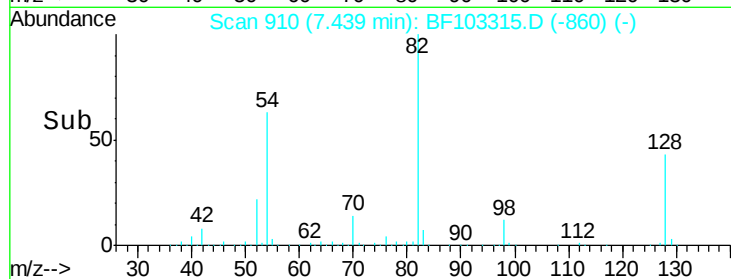
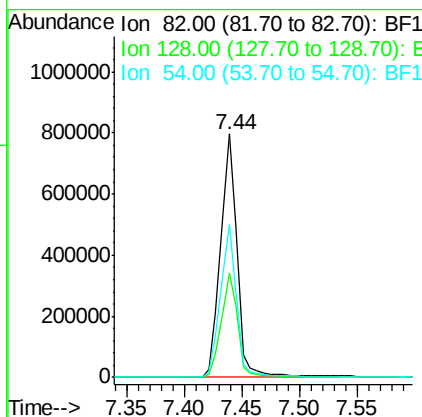
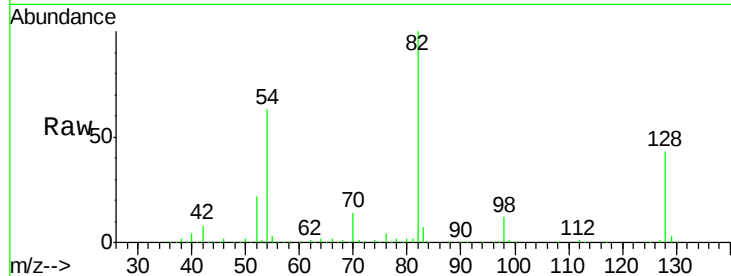
Instrument :
BNA_F
ClientSampled :
SP-31

Tot Ion	82	Resp	803826
Ion Ratio	100	Lower	Upper
82	100		
128	42.6	36.1	54.1
54	62.7	41.4	62.2

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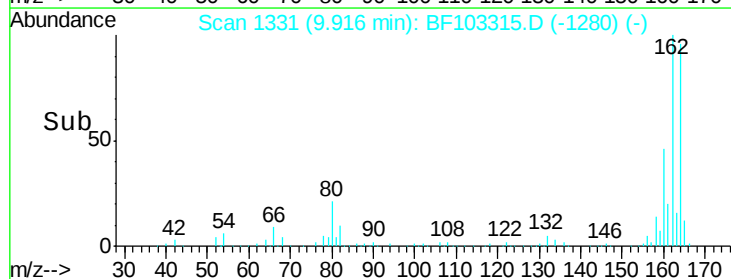
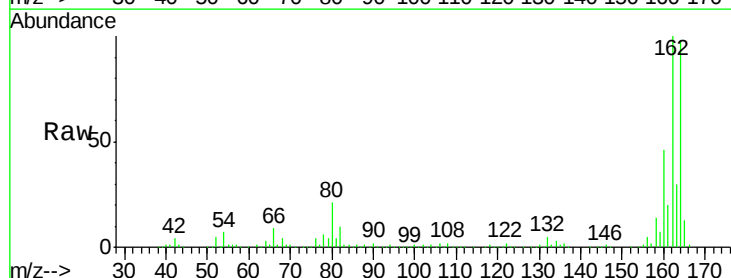
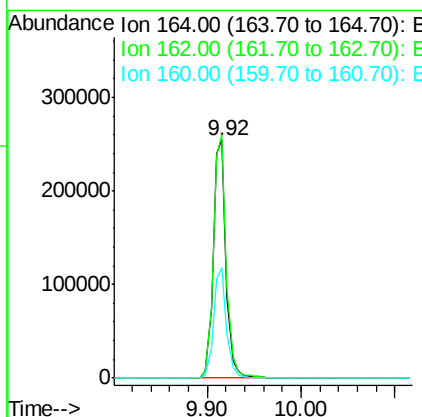
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#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.92 min Scan# 1331
Delta R.T. -0.00 min
Lab File: BF103315.D
Acq: 1 Mar 2018 1:11

Tgt Ion	164	Resp	247818
Ion Ratio	100	Lower	Upper
164	100		
162	102.3	86.1	129.1
160	46.7	38.3	57.5





#41
 2,4,6-Tribromophenol
 Concen: 82.018 ng
 RT: 10.71 min Scan# 1466
 Delta R.T. -0.00 min
 Lab File: BF103315.D
 Acq: 1 Mar 2018 1:11

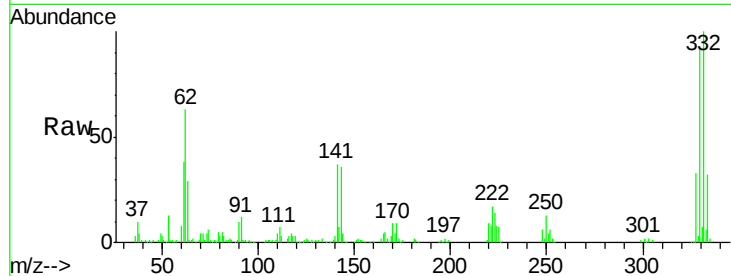
Instrument :
 BNA_F
 ClientSampleId :
 SP-31

Tot Ion	Ratio	Lower	Upper
330	100		
332	105.6	77.0	115.6
141	48.3	29.9	44.9

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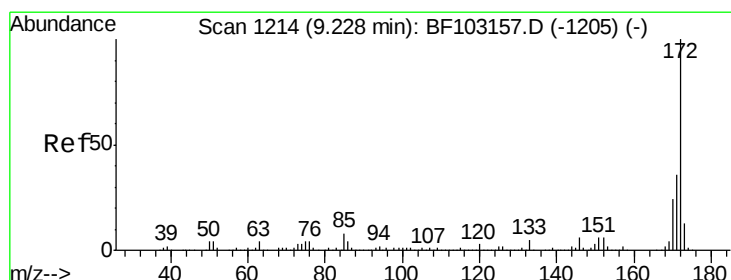
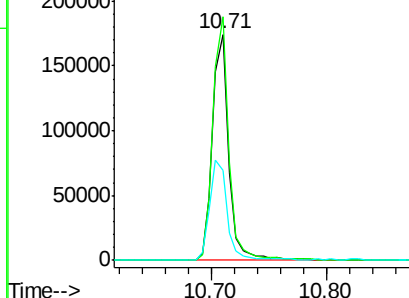
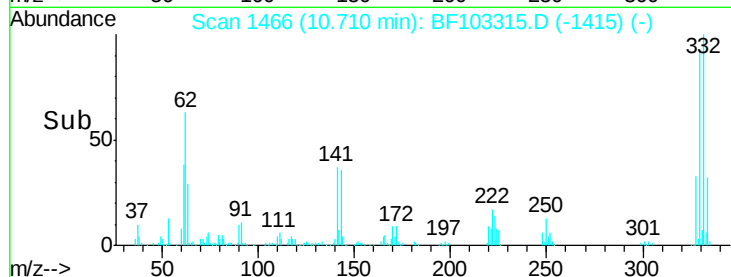


Abundance

Ion 329.80 (329.50 to 330.50): E

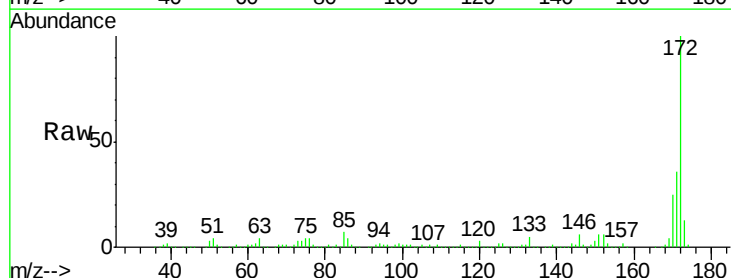
Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E



#44
 2-Fluorobiphenyl
 Concen: 73.438 ng
 RT: 9.23 min Scan# 1215
 Delta R.T. -0.00 min
 Lab File: BF103315.D
 Acq: 1 Mar 2018 1:11

Tgt Ion	Ratio	Lower	Upper
172	100		
171	36.0	29.7	44.5
170	24.8	19.6	29.4

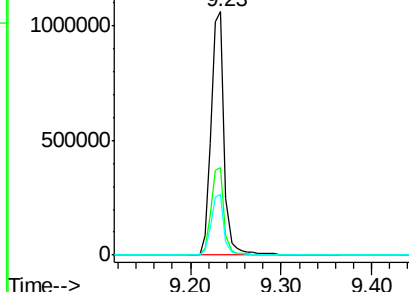
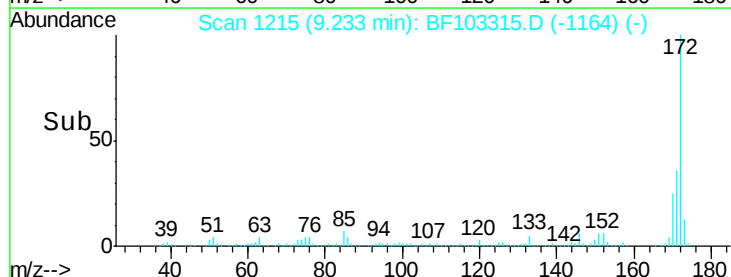


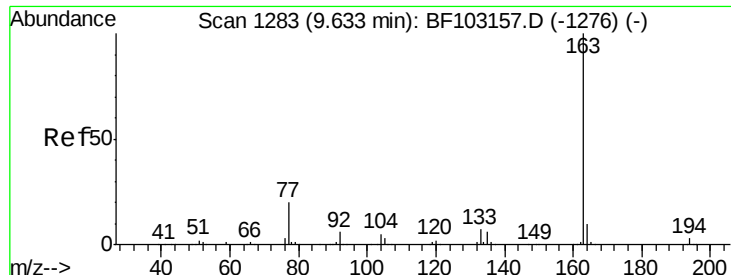
Abundance

Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E





#49
Dimethylphthalate
Concen: 4.762 ng
RT: 9.62 min Scan# 1281
Delta R.T. -0.01 min
Lab File: BF103315.D
Acq: 1 Mar 2018 1:11

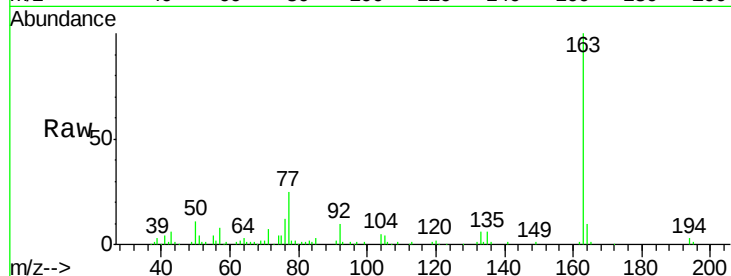
Instrument :
BNA_F
ClientSampleId :
SP-31

Tot Ion:	163	Resp:	94671
Ion Ratio	Lower	Upper	
163	100		
194	3.2	2.7	4.1
164	10.2	8.2	12.2

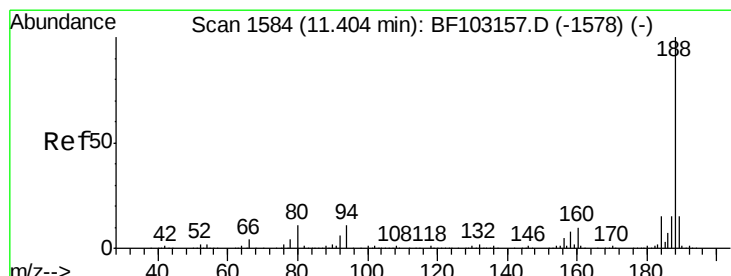
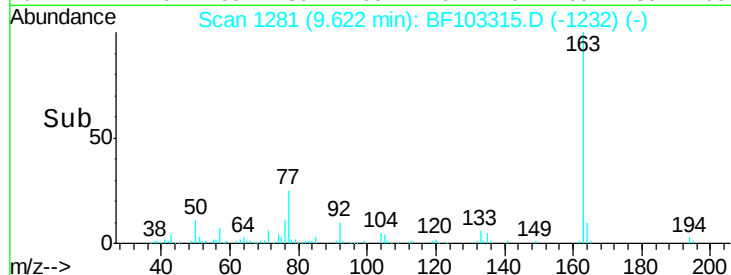
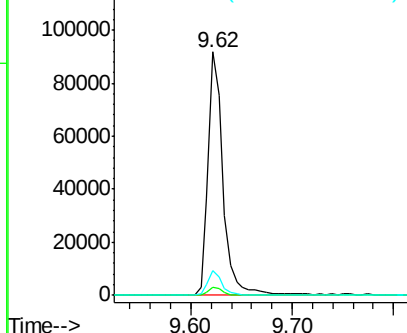
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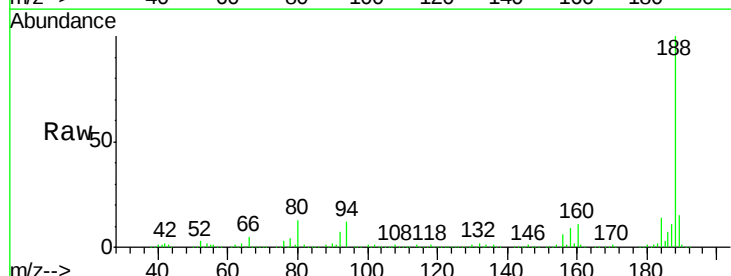


Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

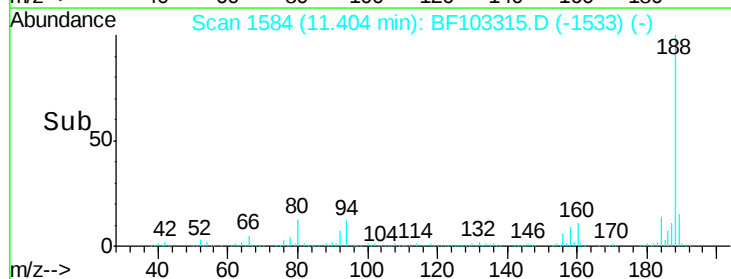
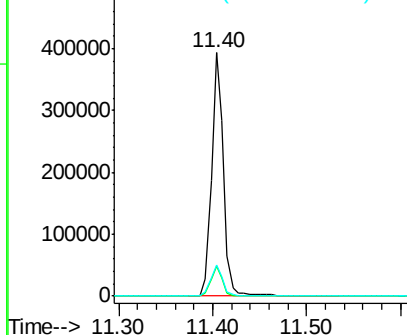


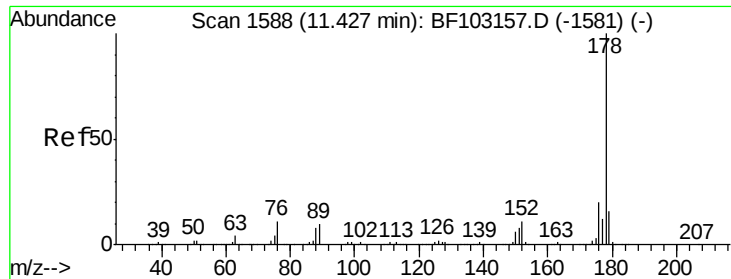
#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.40 min Scan# 1584
Delta R.T. -0.00 min
Lab File: BF103315.D
Acq: 1 Mar 2018 1:11

Tgt Ion:	188	Resp:	351955
Ion Ratio	Lower	Upper	
188	100		
94	12.3	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: 10.410 ng
RT: 11.43 min Scan# 1588
Delta R.T. -0.01 min
Lab File: BF103315.D
Acq: 1 Mar 2018 1:11

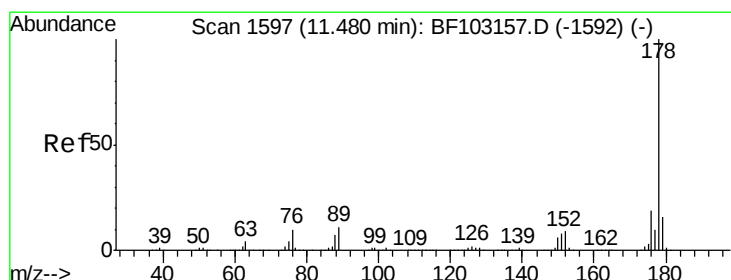
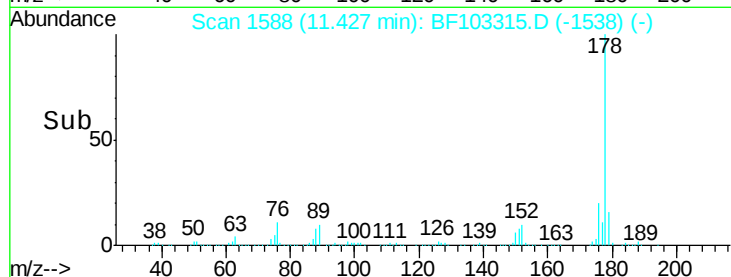
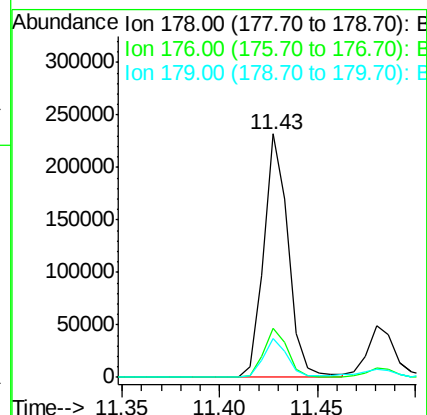
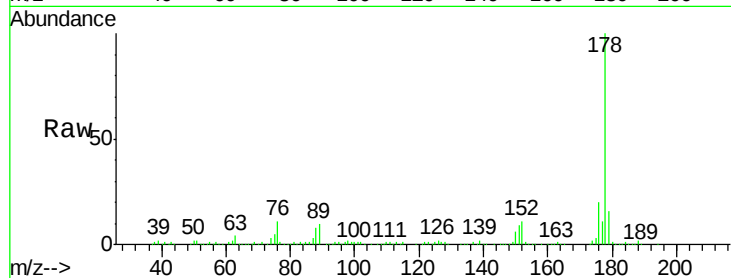
Instrument :
BNA_F
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SP-31

Tot Ion	Ratio	Lower	Upper
178	100		
176	20.0	15.8	23.8
179	15.8	13.0	19.6

Manual Integrations
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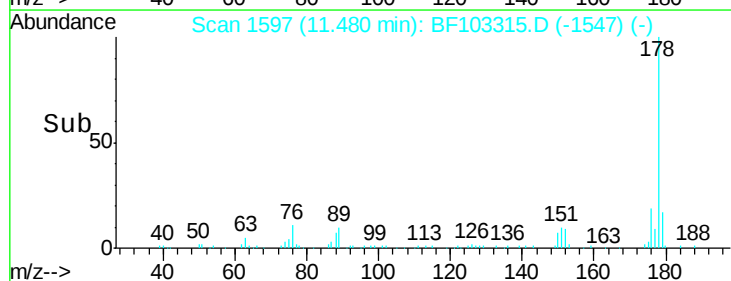
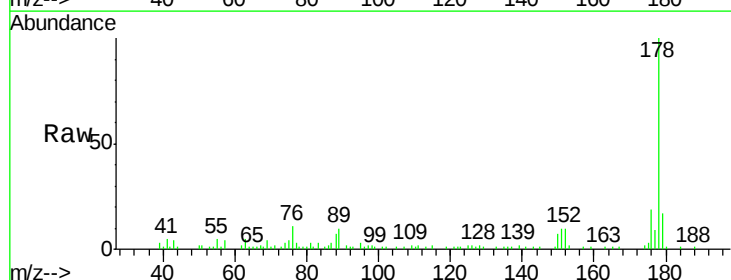
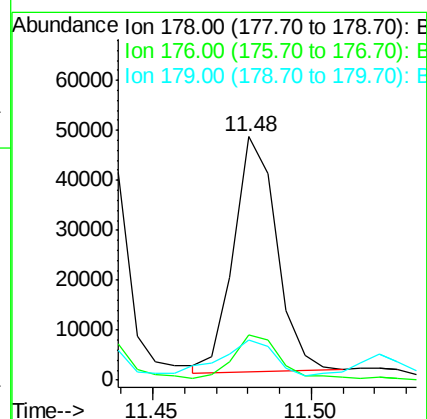
Sohil

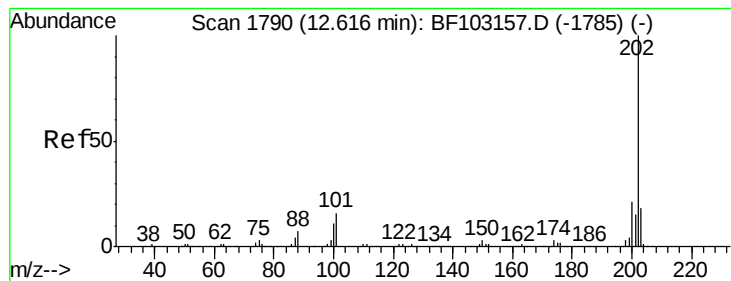
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#71
Anthracene
Concen: 2.232 ng
RT: 11.48 min Scan# 1597
Delta R.T. -0.01 min
Lab File: BF103315.D
Acq: 1 Mar 2018 1:11

Tgt Ion	Ratio	Lower	Upper
178	100		
176	18.7	15.4	23.2
179	16.7	12.6	19.0





#74
 Fluoranthene
 Concen: 16.311 ng
 RT: 12.62 min Scan# 1791
 Delta R.T. -0.00 min
 Lab File: BF103315.D
 Acq: 1 Mar 2018 1:11

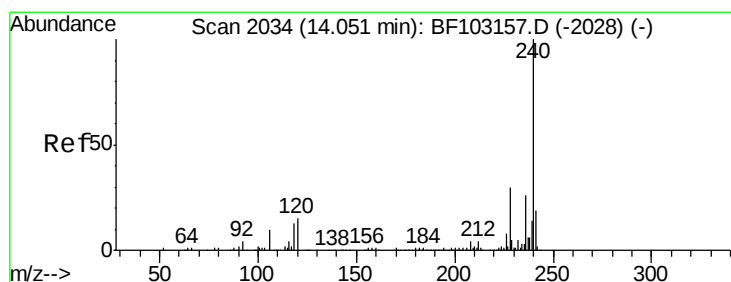
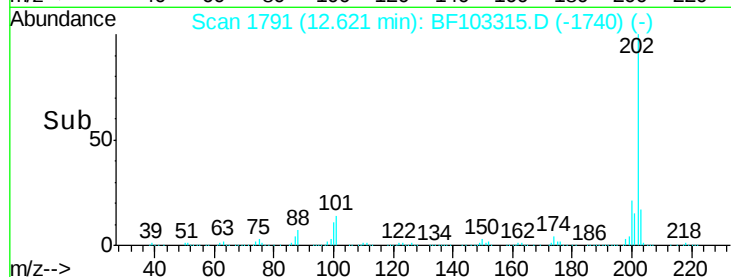
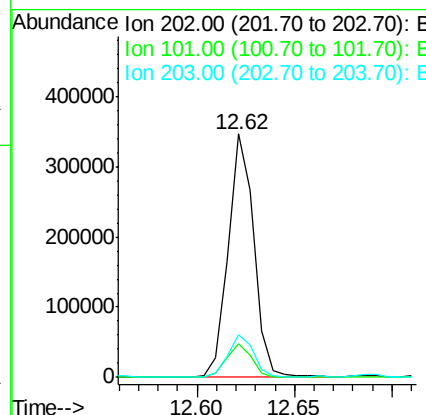
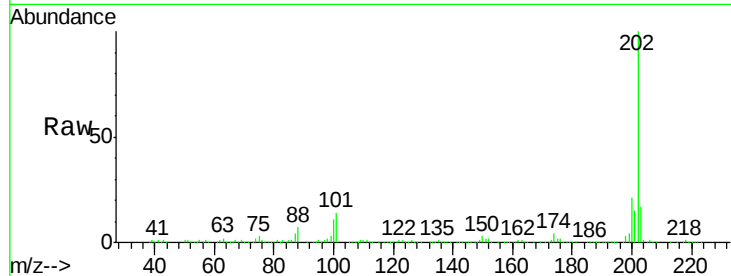
Instrument :
 BNA_F
 ClientSampleId :
 SP-31

Tot Ion	Ratio	Resp Lower	Upper
202	100		
101	14.0	0.0	34.1
203	17.4	0.0	38.1

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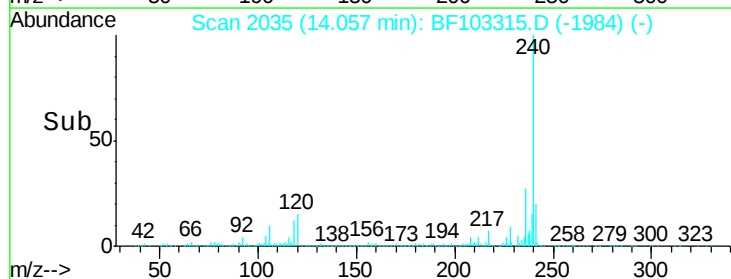
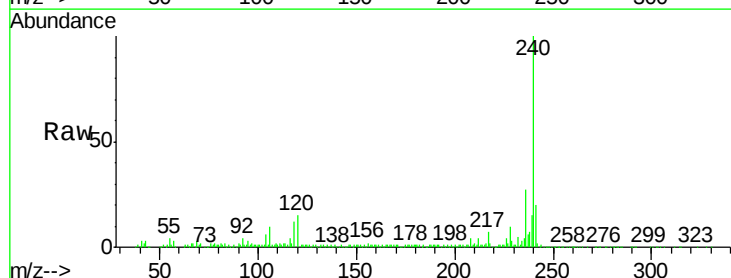
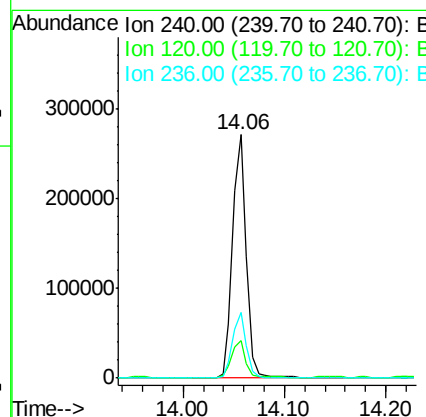
Sohil

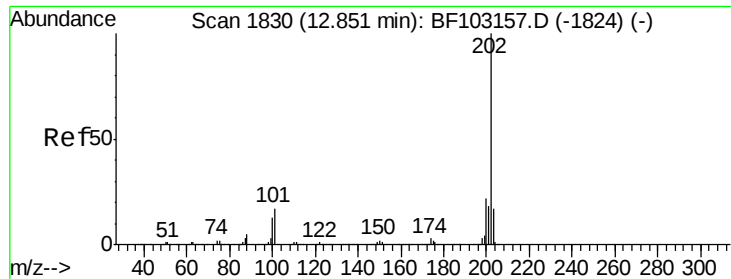
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#75
 Chrysene-d12
 Concen: 20.000 ng
 RT: 14.06 min Scan# 2035
 Delta R.T. -0.00 min
 Lab File: BF103315.D
 Acq: 1 Mar 2018 1:11

Tgt Ion	Ratio	Resp Lower	Upper
240	100		
120	15.3	9.5	14.3#
236	27.2	20.7	31.1





#77
Pvrene
Concen: 15.256 ng
RT: 12.86 min Scan# 1831
Delta R.T. -0.00 min
Lab File: BF103315.D
Acq: 1 Mar 2018 1:11

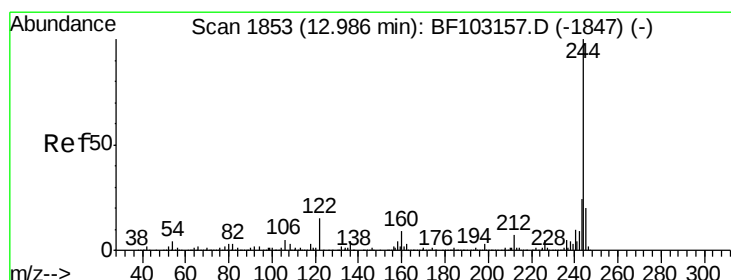
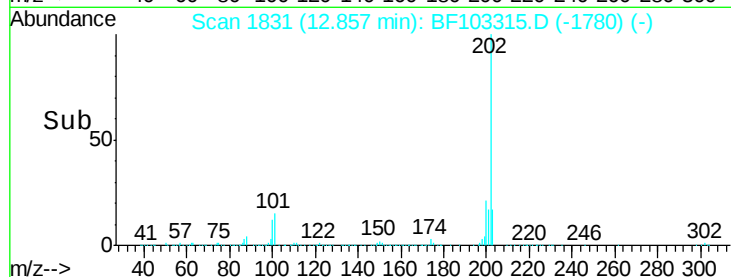
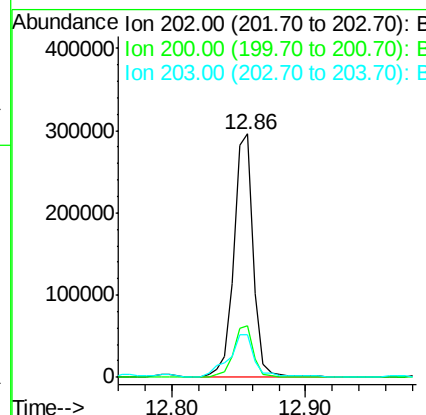
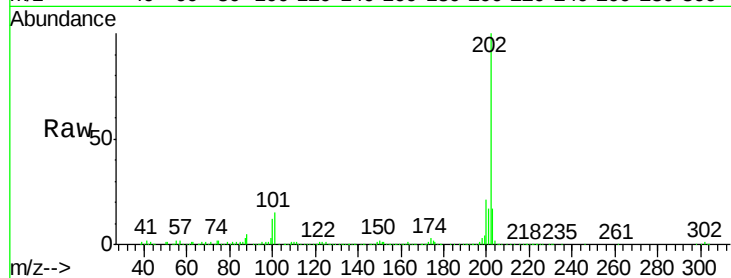
Instrument :
BNA_F
ClientSampleId :
SP-31

Tot Ion:	202	Resp:	302671
Ion Ratio	Lower	Upper	
202	100		
200	21.1	17.4	26.2
203	17.3	14.3	21.5

Manual Integrations
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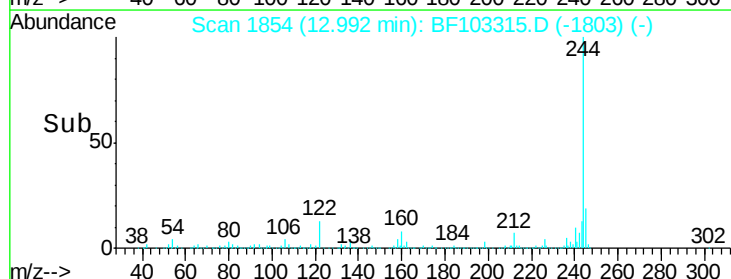
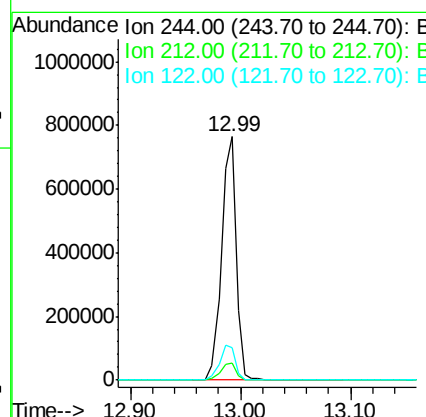
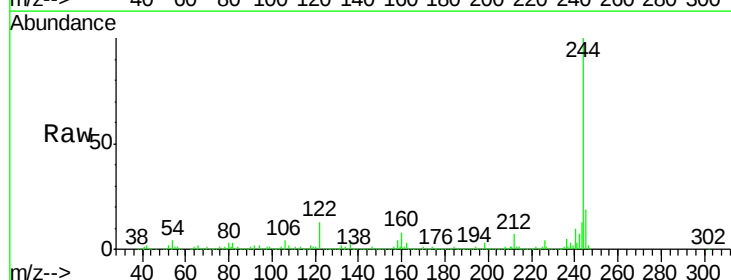
Sohil

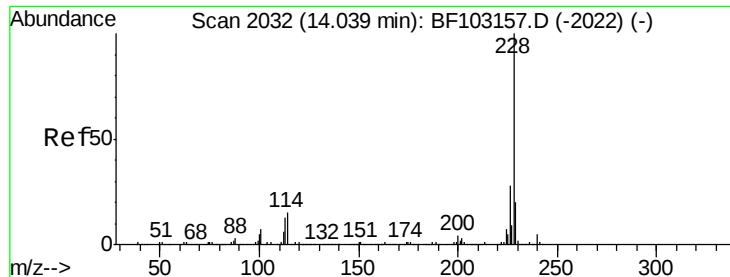
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#78
Terphenyl-d14
Concen: 66.587 ng
RT: 12.99 min Scan# 1854
Delta R.T. -0.00 min
Lab File: BF103315.D
Acq: 1 Mar 2018 1:11

Tgt Ion:	244	Resp:	704880
Ion Ratio	Lower	Upper	
244	100		
212	7.3	5.4	8.0
122	13.2	11.0	16.4





#80
Benzo(a)anthracene
Concen: 8.872 ng m
RT: 14.04 min Scan# 2032
Delta R.T. -0.00 min
Lab File: BF103315.D
Acq: 1 Mar 2018 1:11

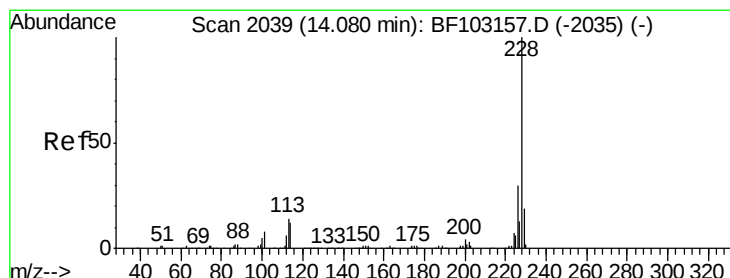
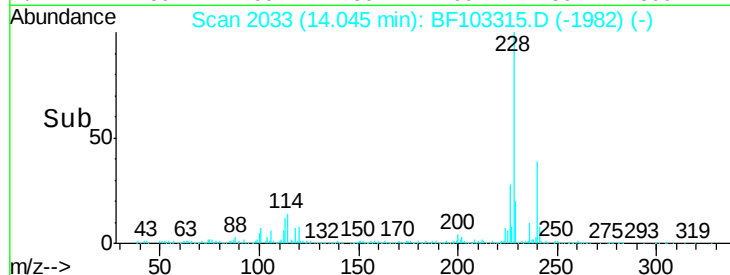
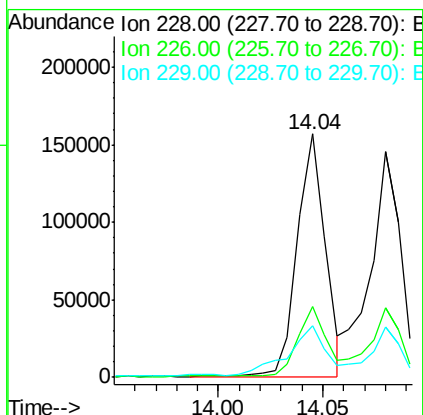
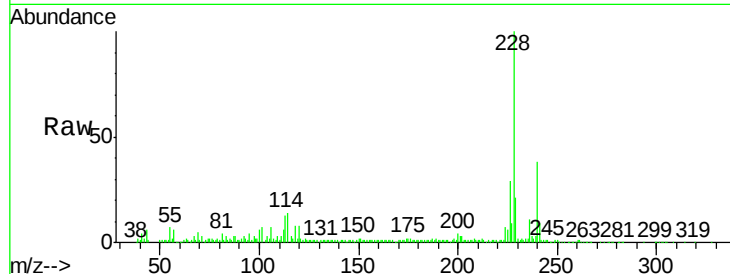
Instrument :
BNA_F
ClientSampleId :
SP-31

Tot Ion	Ratio	Lower	Upper
228	100		
226	29.0	22.6	33.8
229	21.4	15.8	23.6

Manual Integrations
APPROVED

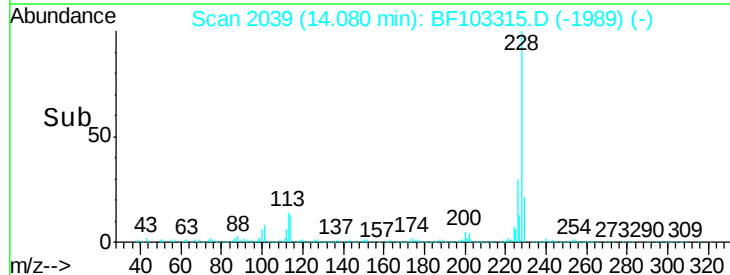
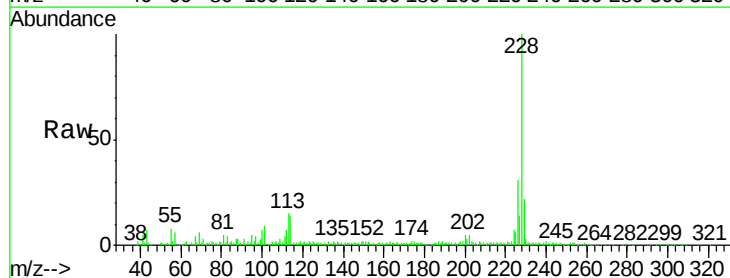
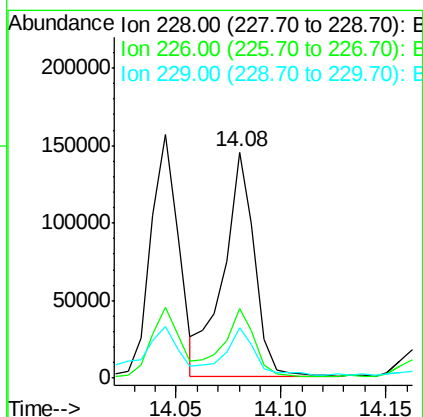
Sohil

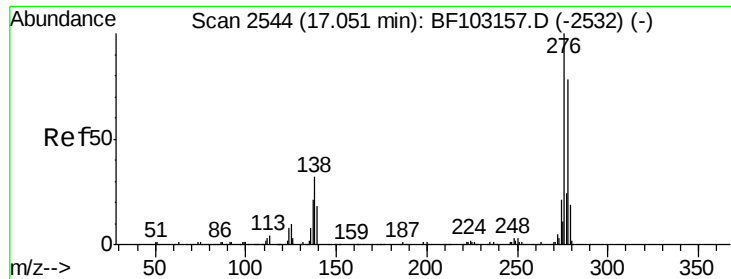
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#82
Chrysene
Concen: 9.395 ng m
RT: 14.08 min Scan# 2039
Delta R.T. -0.01 min
Lab File: BF103315.D
Acq: 1 Mar 2018 1:11

Tgt Ion	Ratio	Lower	Upper
228	100		
226	31.0	25.0	37.6
229	22.3	16.2	24.4





#85
Indeno(1,2,3-cd)pyrene
Concen: 4.521 ng
RT: 17.09 min Scan# 2550
Delta R.T. -0.00 min
Lab File: BF103315.D
Acq: 1 Mar 2018 1:11

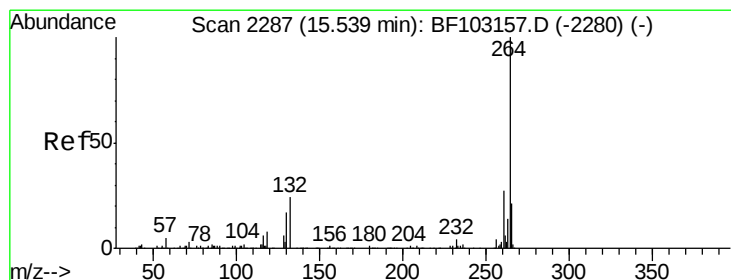
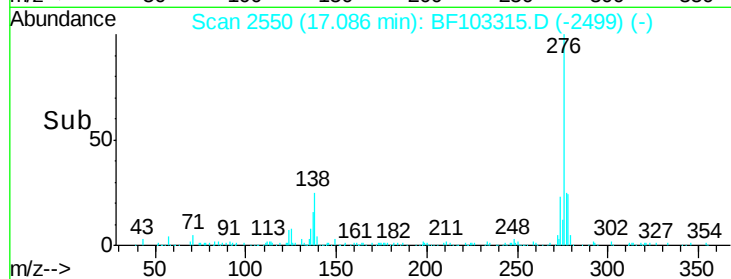
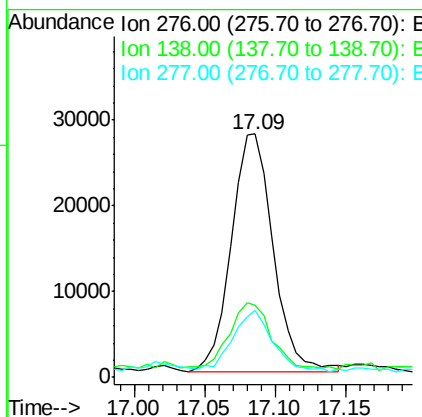
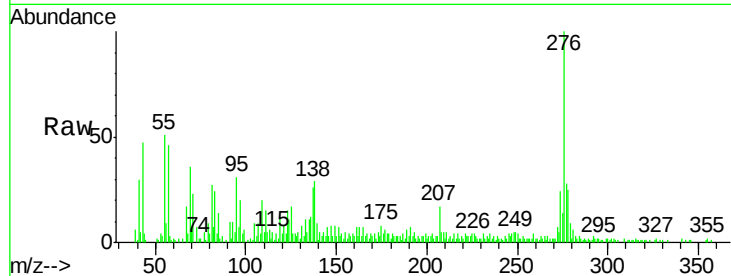
Instrument :
BNA_F
ClientSampleId :
SP-31

Tot Ion	Ratio	Lower	Upper
276	100		
138	27.1	25.0	37.6
277	24.9	20.1	30.1

Manual Integrations
APPROVED

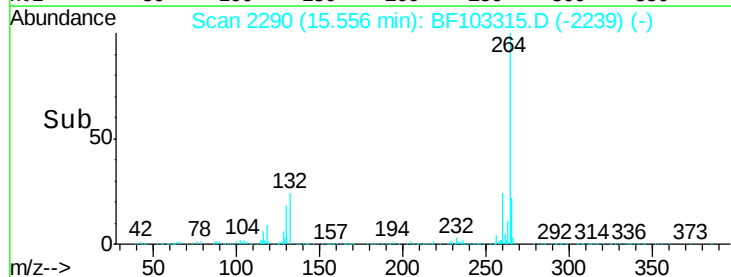
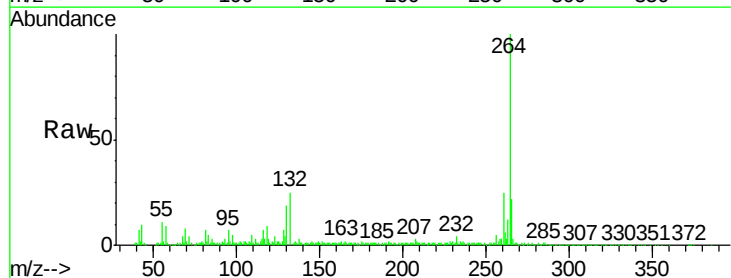
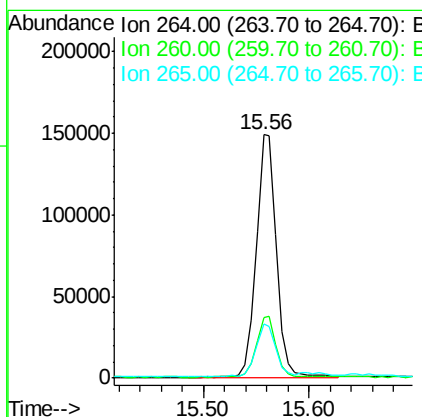
Sohil

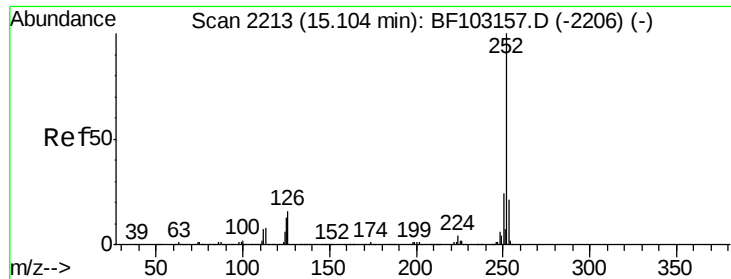
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#86
Perylene-d12
Concen: 20.000 ng
RT: 15.56 min Scan# 2290
Delta R.T. -0.00 min
Lab File: BF103315.D
Acq: 1 Mar 2018 1:11

Tgt Ion	Ratio	Lower	Upper
264	100		
260	24.7	19.2	28.8
265	22.4	17.5	26.3





#87
Benzo(b)fluoranthene
Concen: 12.041 ng m
RT: 15.12 min Scan# 2215
Delta R.T. -0.00 min
Lab File: BF103315.D
Acq: 1 Mar 2018 1:11

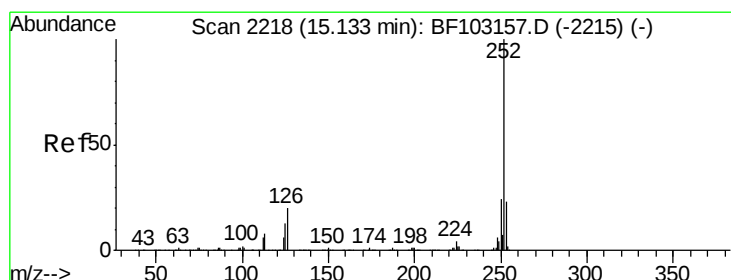
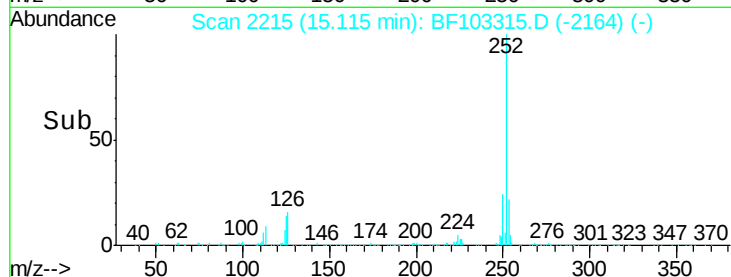
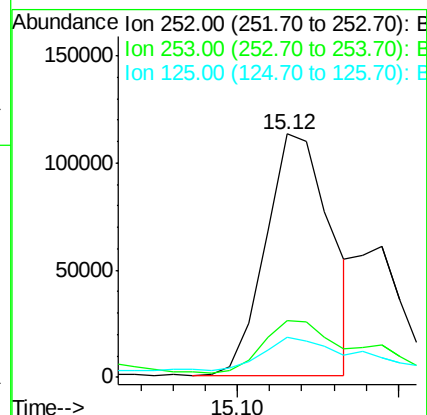
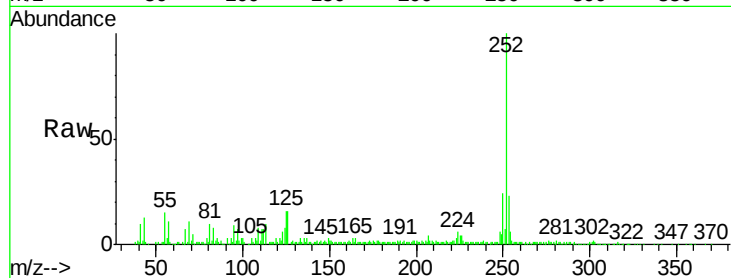
Instrument :
BNA_F
ClientSampleId :
SP-31

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.4	17.0	25.6
125	16.3	9.0	13.6

Manual Integrations
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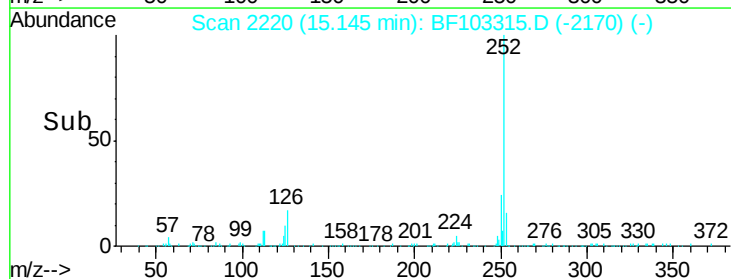
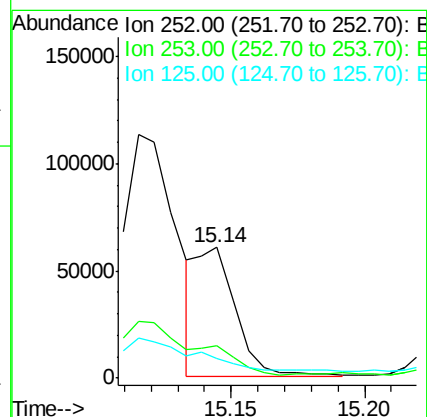
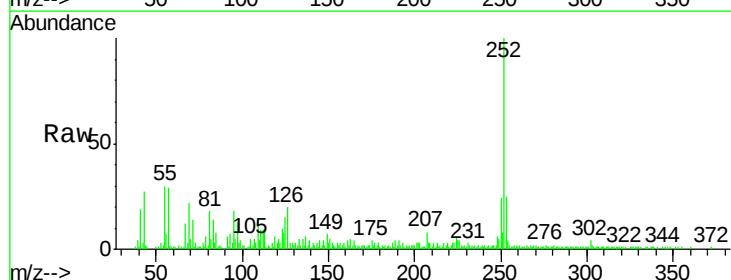
Sohil

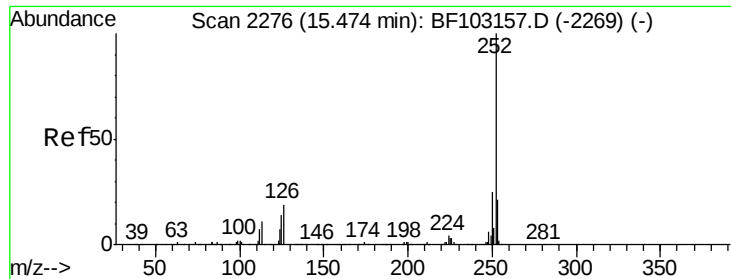
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#88
Benzo(k)fluoranthene
Concen: 4.931 ng m
RT: 15.14 min Scan# 2220
Delta R.T. -0.01 min
Lab File: BF103315.D
Acq: 1 Mar 2018 1:11

Tgt Ion	Ratio	Lower	Upper
252	100		
253	25.2	17.9	26.9
125	15.5	10.2	15.2





#89
Benzo(a)pyrene
Concen: 9.092 ng
RT: 15.49 min Scan# 2279
Delta R.T. -0.01 min
Lab File: BF103315.D
Acq: 1 Mar 2018 1:11

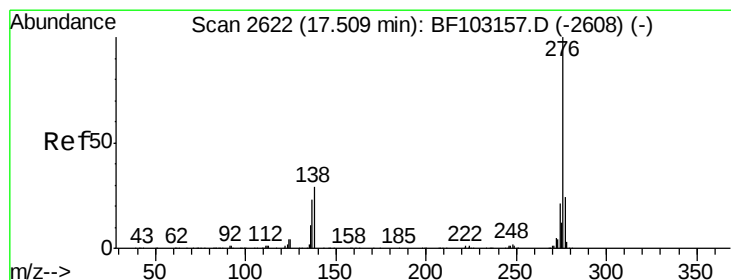
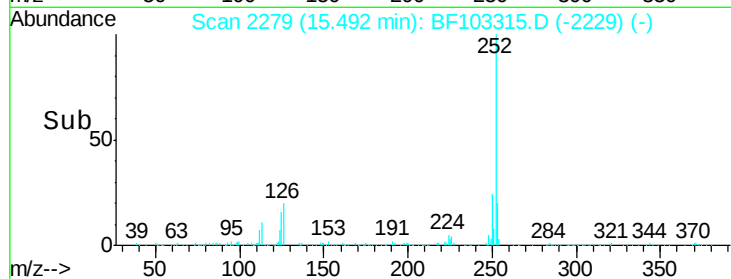
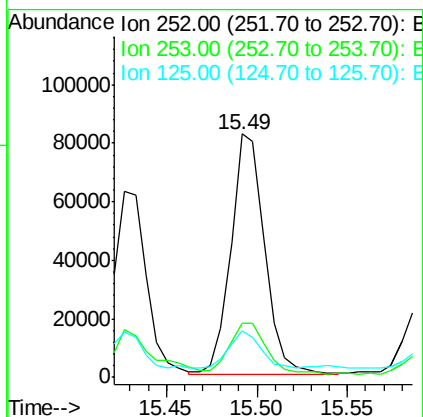
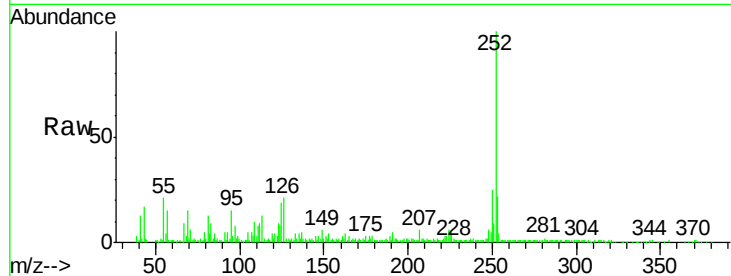
Instrument :
BNA_F
ClientSampleId :
SP-31

Tot Ion:	252	Resp:	107581
Ion Ratio	Lower	Upper	
252	100		
253	22.1	17.1	25.7
125	19.1	9.8	14.6

Manual Integrations
APPROVED

Sohil

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#91
Benzo(g,h,i)perylene
Concen: 6.364 ng
RT: 17.55 min Scan# 2629
Delta R.T. 0.01 min
Lab File: BF103315.D
Acq: 1 Mar 2018 1:11

Tgt Ion:	276	Resp:	56867
Ion Ratio	Lower	Upper	
276	100		
277	24.9	17.9	26.9
138	31.6	21.8	32.8

