

Data Path : Z:\HPCHEM1\BNA F\DATA\BF030218\
 Data File : BF103373.D
 Acq On : 2 Mar 2018 18:51
 Operator : SJ/JU
 Sample : J1720-07
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SP-30

Manual Integrations
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Sohil
 3/5/2018 3:13:26 PM

Quant Time: Mar 02 22:53:58 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	152193	20.00	ng	0.00
21) Naphthalene-d8	8.16	136	638754	20.00	ng	0.00
38) Acenaphthene-d10	9.92	164	271774	20.00	ng	0.00
63) Phenanthrene-d10	11.40	188	418034	20.00	ng	-0.01
75) Chrysene-d12	14.06	240	245758	20.00	ng	-0.01
86) Perylene-d12	15.57	264	244105	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.50	112	977934	97.18	ng	0.00
7) Phenol-d6	6.51	99	1185095	96.24	ng	0.00
23) Nitrobenzene-d5	7.44	82	787057	70.37	ng	-0.01
41) 2,4,6-Tribromophenol	10.71	330	188435	81.91	ng	0.00
44) 2-Fluorobiphenyl	9.23	172	1117079	67.34	ng	0.00
78) Terphenyl-d14	12.99	244	710780	69.52	ng	0.00
Target Compounds						
49) Dimethylphthalate	9.63	163	101330	4.648	ng	99
70) Phenanthrene	11.43	178	263784	11.466	ng	100
71) Anthracene	11.49	178	85718	3.634	ng	99
73) Di-n-butylphthalate	11.96	149	111894	3.806	ng	99
74) Fluoranthene	12.63	202	437158	18.910	ng	98
77) Pyrene	12.86	202	415028	21.660	ng	99
80) Benzo(a)anthracene	14.05	228	203548	12.765	ng	98
82) Chrysene	14.09	228	201635	13.023	ng	98
85) Indeno(1,2,3-cd)pyrene	17.10	276	103369	8.433	ng	95
87) Benzo(b)fluoranthene	15.13	252	271166m	16.895	ng	
88) Benzo(k)fluoranthene	15.15	252	79708m	5.274	ng	
89) Benzo(a)pyrene	15.50	252	186460	13.010	ng	# 91
90) Dibenzo(a,h)anthracene	17.11	278	26740	2.414	ng	# 71
91) Benzo(g,h,i)perylene	17.57	276	94951	8.772	ng	# 90

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

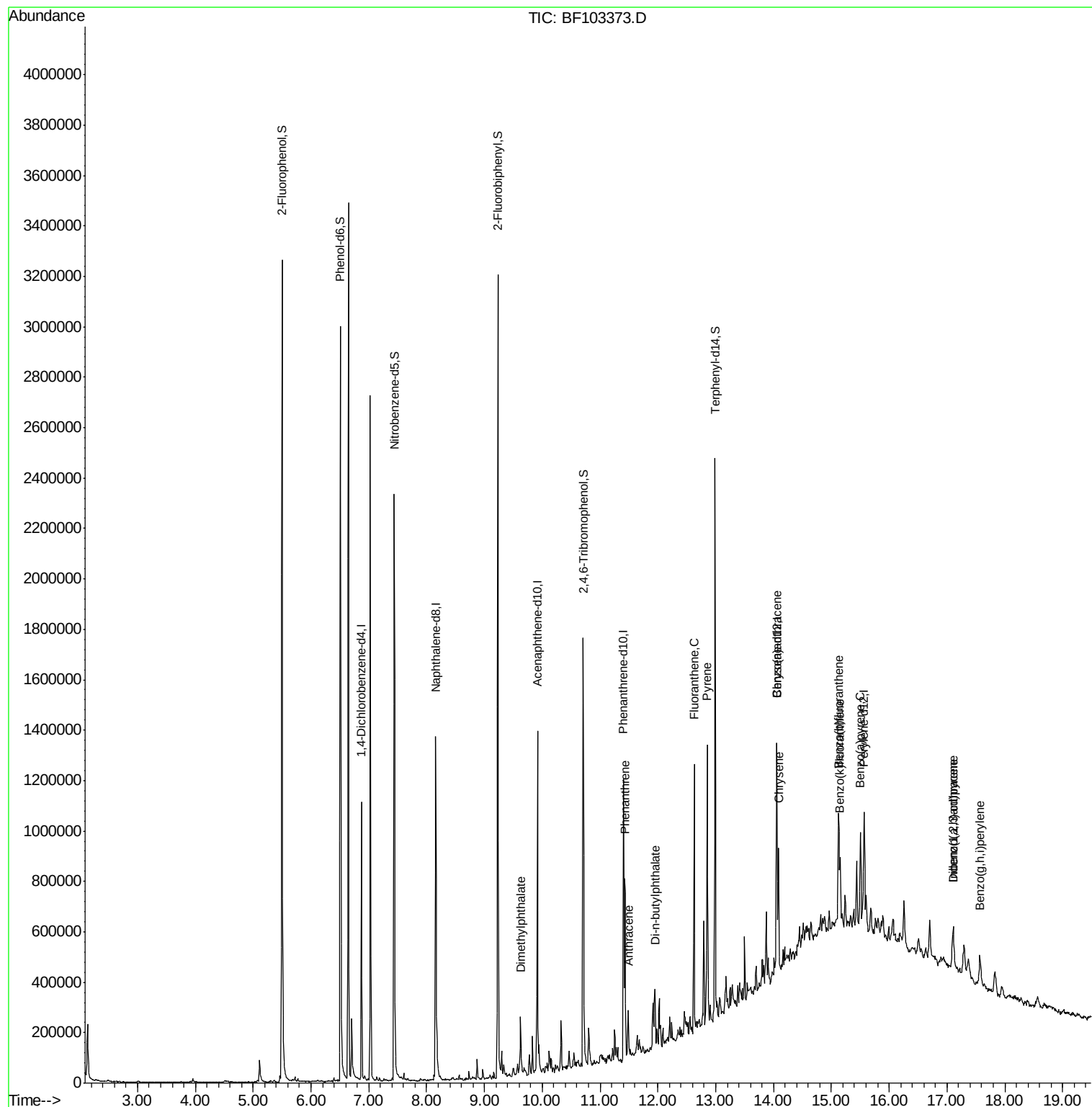
Data Path : Z:\HPCHEM1\BNA F\DATA\BF030218\
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Misc :
ALS Vial : 9 Sample Multiplier: 1

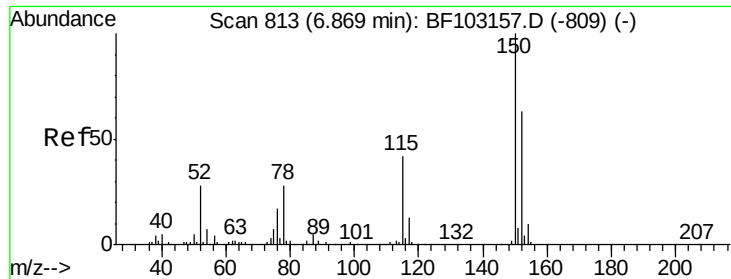
Instrument :
BNA_F
ClientSampled :
SP-30

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#1

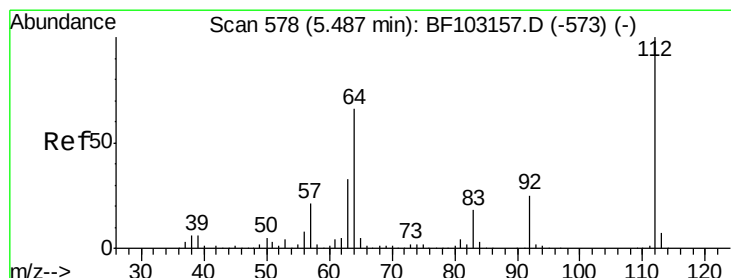
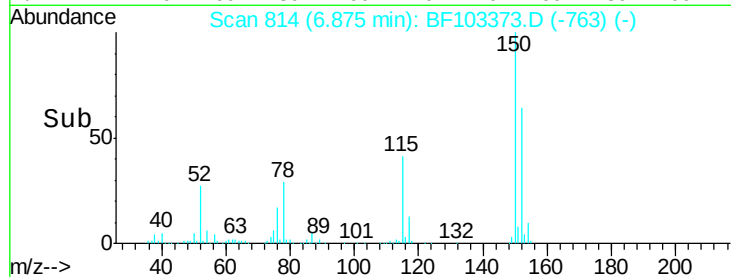
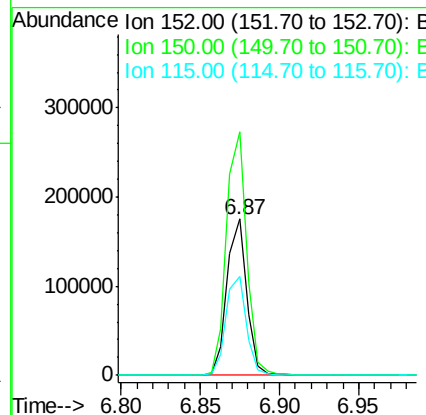
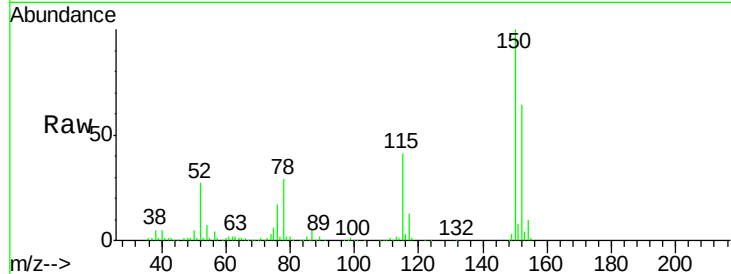
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.87 min Scan# 814
Delta R.T. -0.00 min
Lab File: BF103373.D
Acq: 2 Mar 2018 18:51

Instrument :
BNA_F
ClientSampled :
SP-30

Tot Ion	Ratio	Lower	Upper
152	100		
150	155.5	124.6	186.8
115	63.4	50.1	75.1

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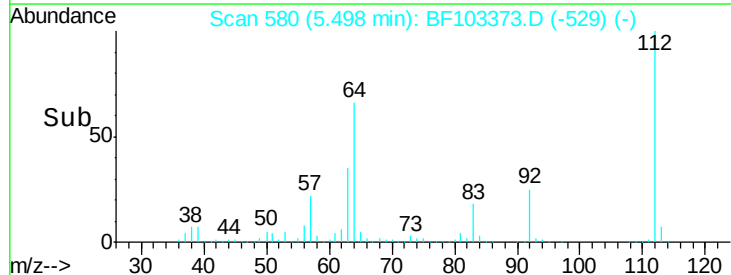
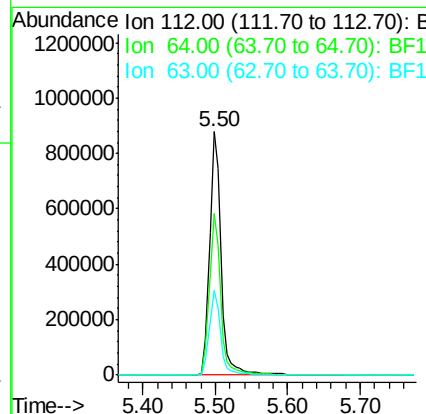
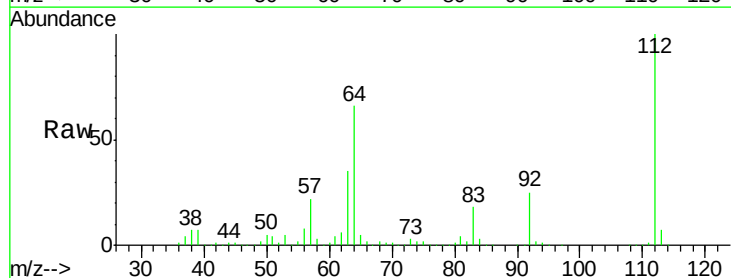
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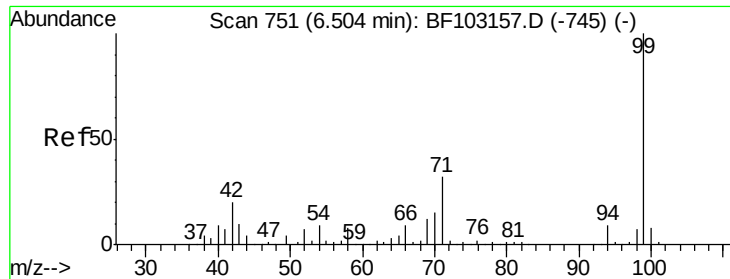


#5

2-Fluorophenol
Concen: 97.183 ng
RT: 5.50 min Scan# 580
Delta R.T. -0.00 min
Lab File: BF103373.D
Acq: 2 Mar 2018 18:51

Tgt Ion	Ratio	Lower	Upper
112	100		
64	66.4	47.9	71.9
63	34.8	23.7	35.5





#7

Phenol-d6

Concen: 96.245 ng

RT: 6.51 min Scan# 752

Delta R.T. -0.01 min

Lab File: BF103373.D

Acq: 2 Mar 2018 18:51

Instrument :

BNA_F

ClientSampled :

SP-30

Tot Ion: 99 Resp: 1185095

Ion Ratio Lower Upper

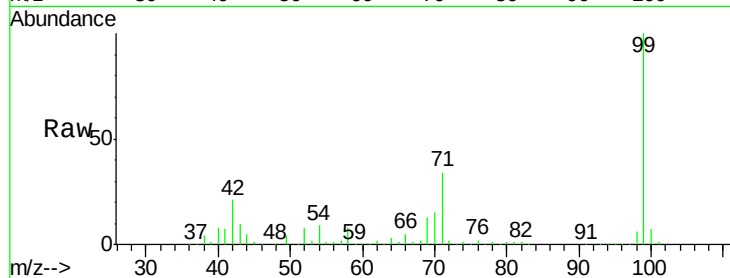
99 100

42 21.2 14.5 21.7

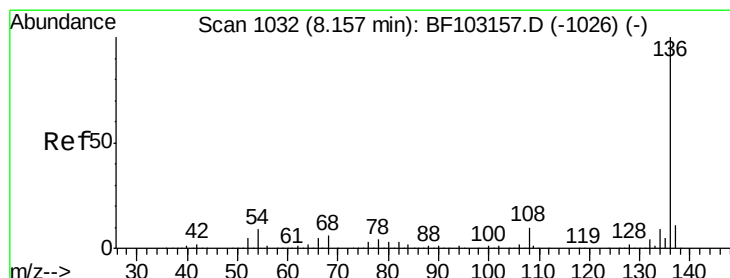
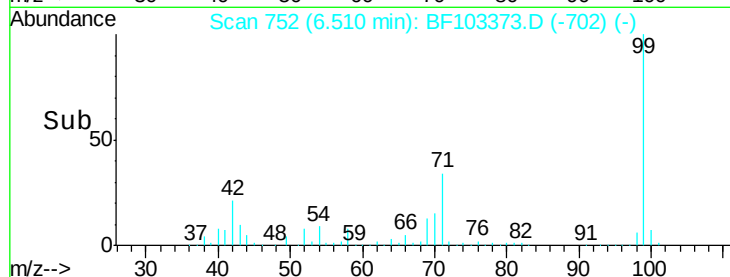
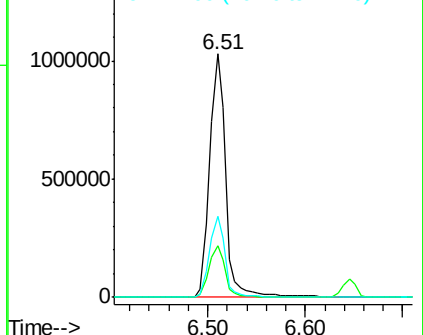
71 33.5 25.4 38.0

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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. -0.01 min

Lab File: BF103373.D

Acq: 2 Mar 2018 18:51

Tgt Ion: 136 Resp: 638754

Ion Ratio Lower Upper

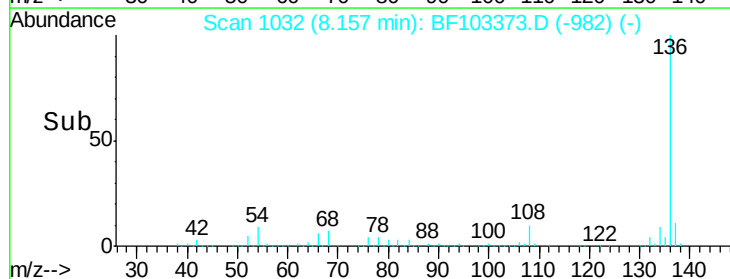
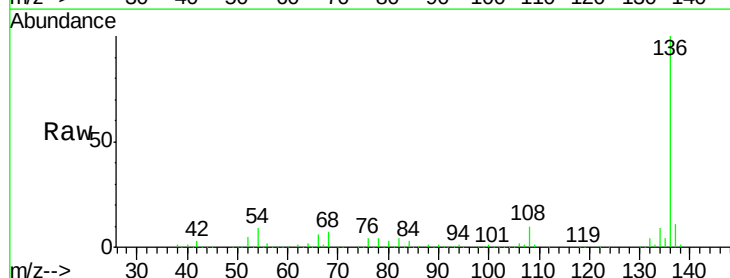
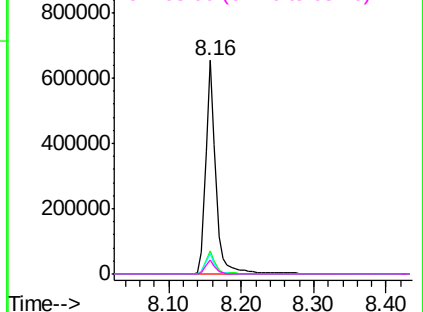
136 100

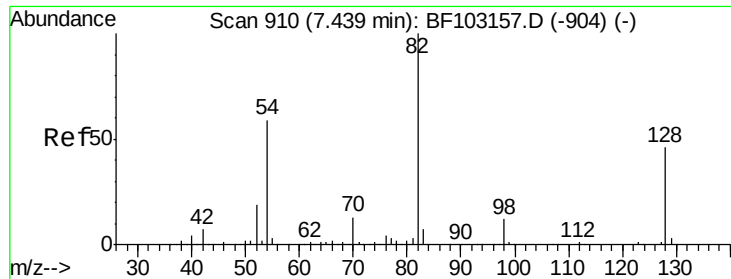
137 11.0 8.9 13.3

54 9.5 6.6 9.8

68 6.6 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





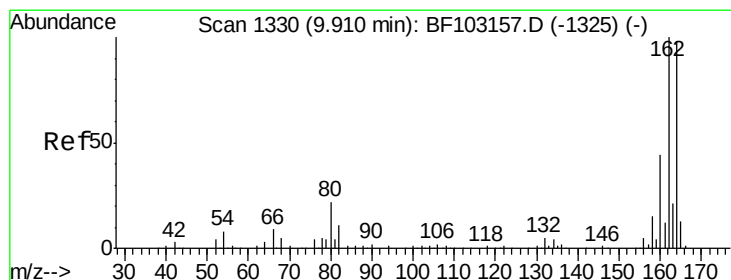
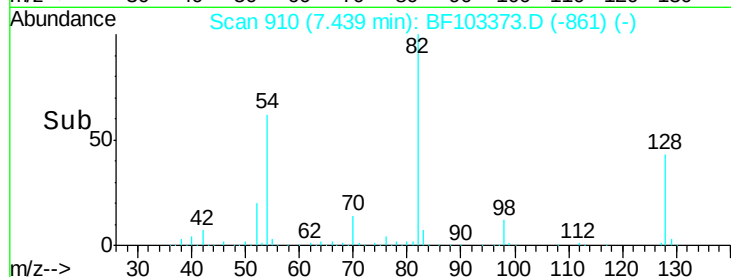
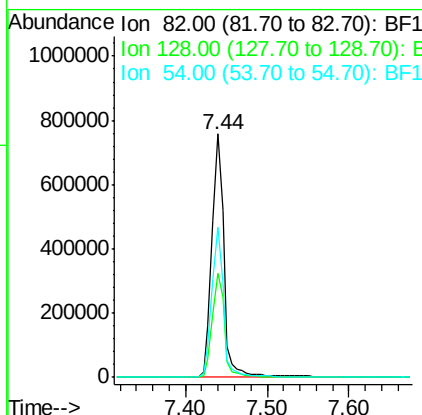
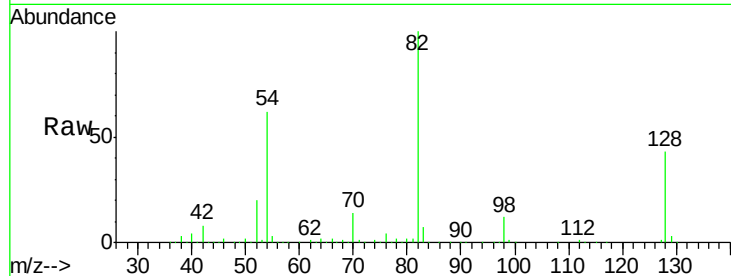
#23
Nitrobenzene-d5
Concen: 70.368 ng
RT: 7.44 min Scan# 910
Delta R.T. -0.01 min
Lab File: BF103373.D
Acq: 2 Mar 2018 18:51

Instrument :
BNA_F
ClientSampled :
SP-30

Tot Ion	82	Resp	787057
Ion Ratio	100	Lower	Upper
82	100		
128	42.8	36.1	54.1
54	61.7	41.4	62.2

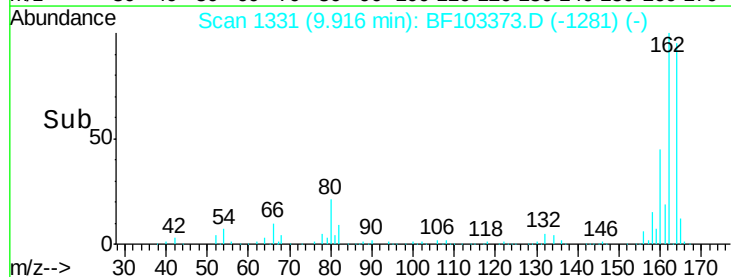
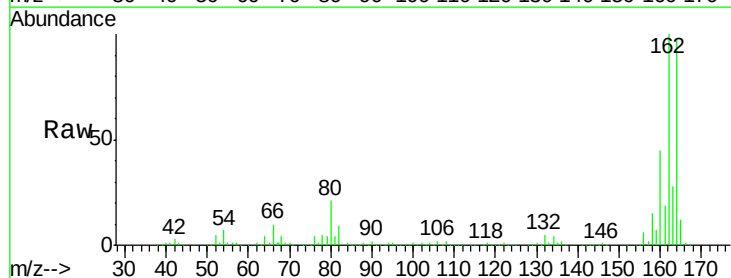
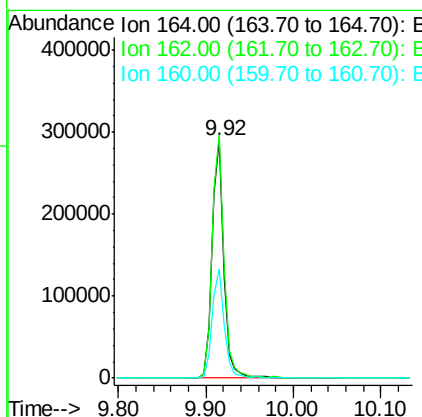
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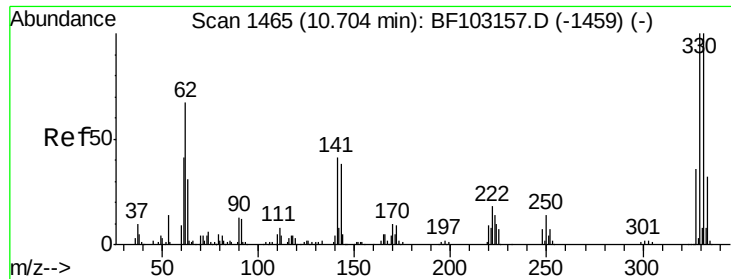
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#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.92 min Scan# 1331
Delta R.T. -0.01 min
Lab File: BF103373.D
Acq: 2 Mar 2018 18:51

Tgt Ion	164	Resp	271774
Ion Ratio	100	Lower	Upper
164	100		
162	102.6	86.1	129.1
160	46.2	38.3	57.5





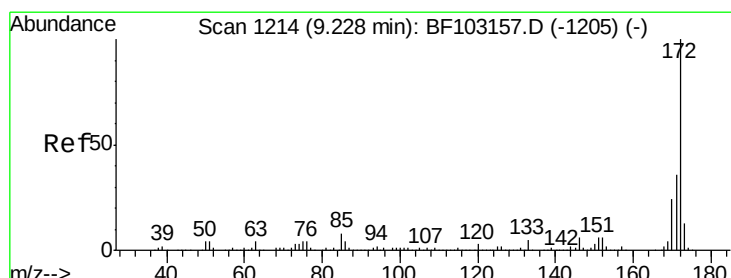
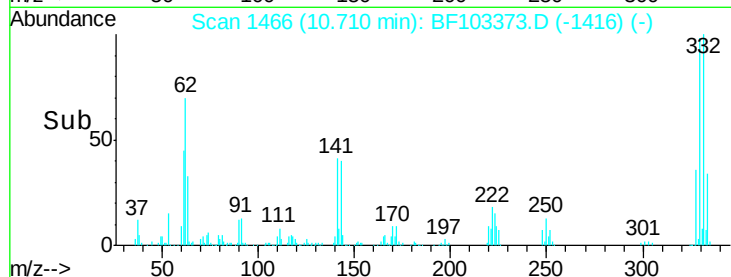
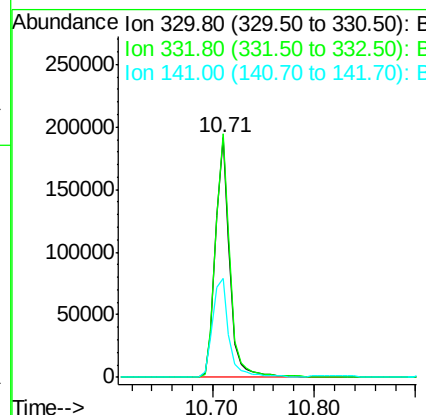
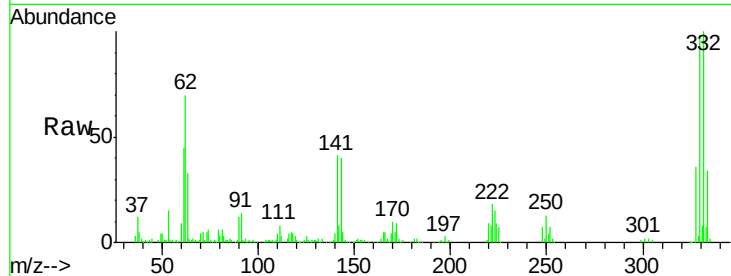
#41
 2,4,6-Tribromophenol
 Concen: 81.913 ng
 RT: 10.71 min Scan# 1466
 Delta R.T. -0.01 min
 Lab File: BF103373.D
 Acq: 2 Mar 2018 18:51

Instrument :
 BNA_F
 ClientSampled :
 SP-30

Tot Ion	Ratio	Resp	Lower	Upper
330	100			
332	103.5	77.0	115.6	
141	47.0	29.9	44.9	

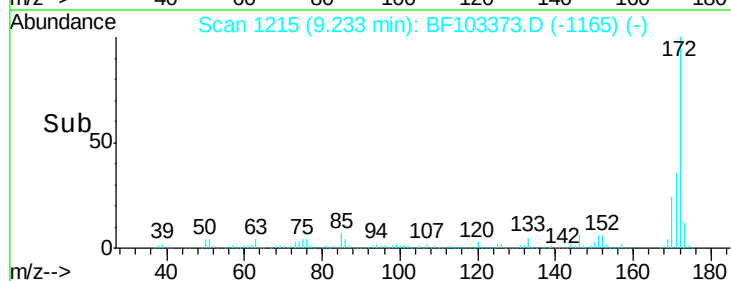
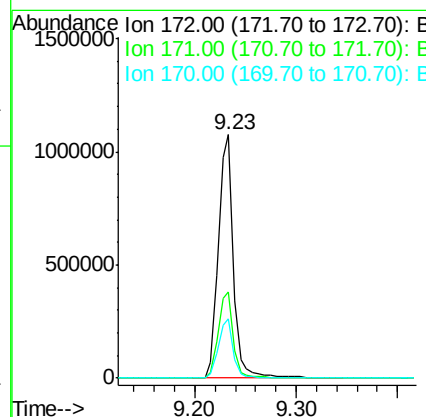
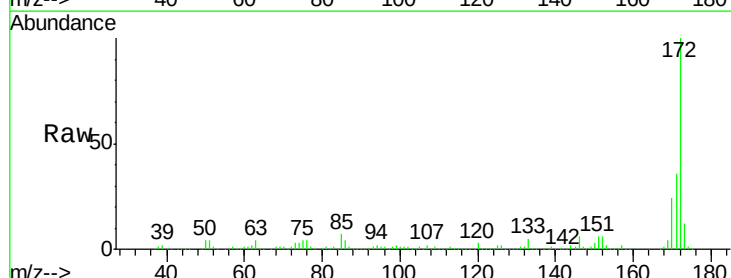
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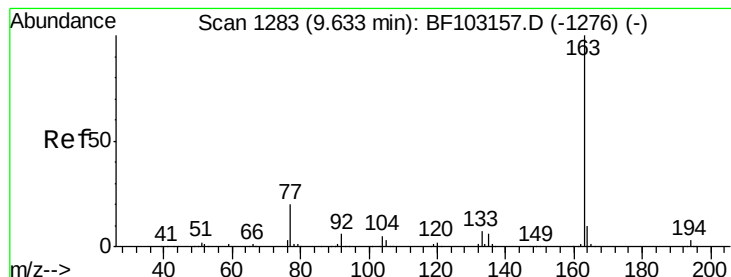
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#44
 2-Fluorobiphenyl
 Concen: 67.342 ng
 RT: 9.23 min Scan# 1215
 Delta R.T. -0.01 min
 Lab File: BF103373.D
 Acq: 2 Mar 2018 18:51

Tgt Ion	Ratio	Resp	Lower	Upper
172	100			
171	35.6	29.7	44.5	
170	24.5	19.6	29.4	





#49

Dimethylphthalate

Concen: 4.648 ng

RT: 9.63 min Scan# 1282

Delta R.T. -0.01 min

Lab File: BF103373.D

Acq: 2 Mar 2018 18:51

Instrument :

BNA_F

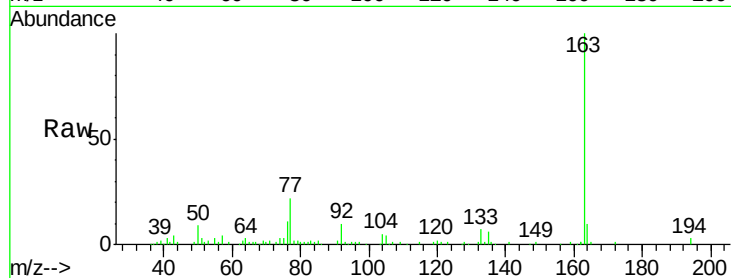
ClientSampled :

SP-30

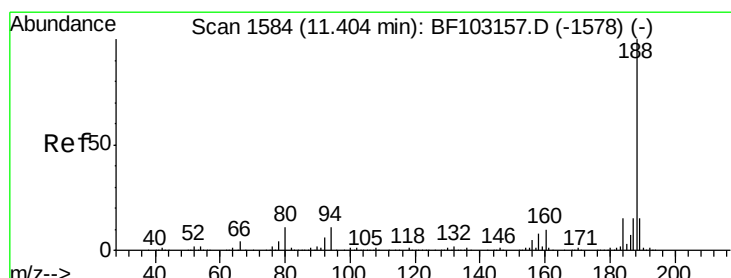
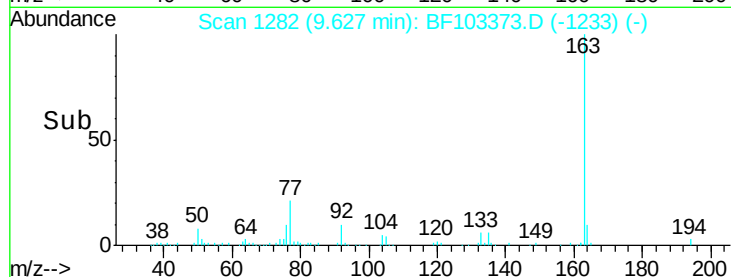
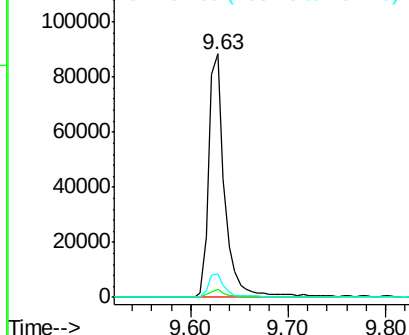
Tot Ion:	163	Resp:	101330
Ion Ratio	Lower	Upper	
163	100		
194	3.4	2.7	4.1
164	9.8	8.2	12.2

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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

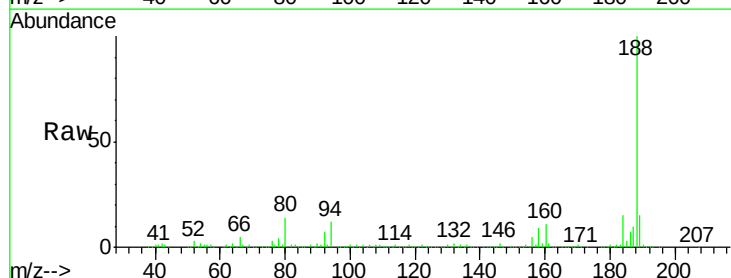
RT: 11.40 min Scan# 1584

Delta R.T. -0.01 min

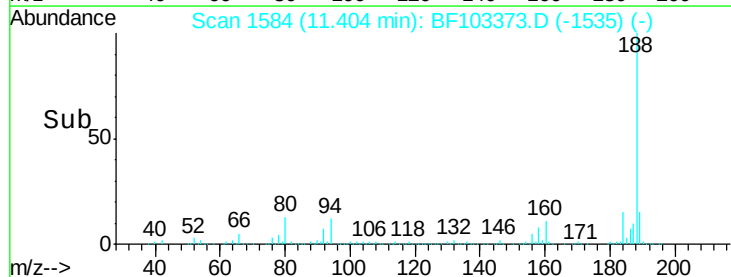
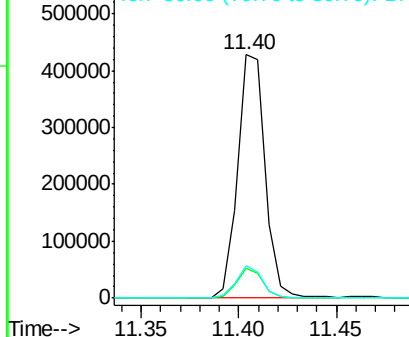
Lab File: BF103373.D

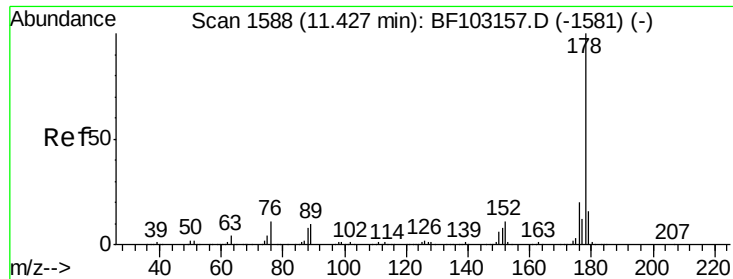
Acq: 2 Mar 2018 18:51

Tgt Ion:	188	Resp:	418034
Ion Ratio	Lower	Upper	
188	100		
94	12.1	8.5	12.7
80	13.5	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





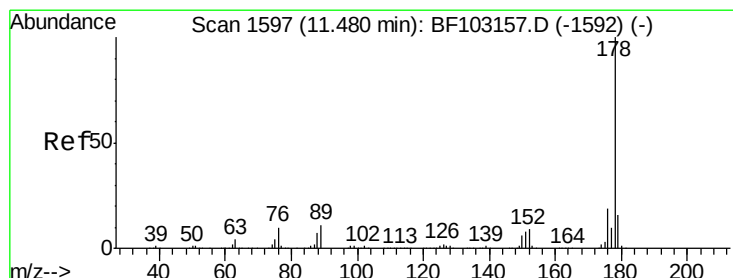
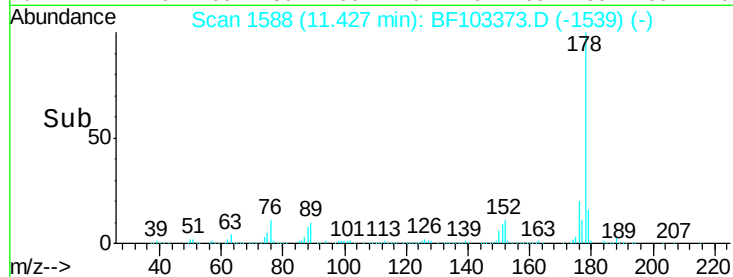
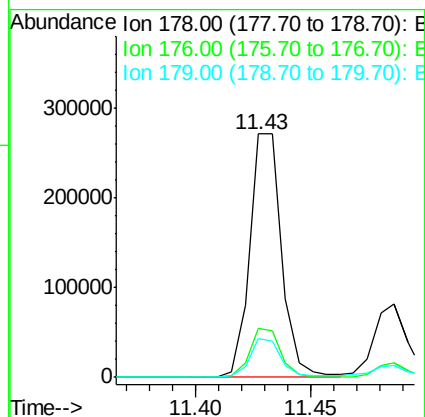
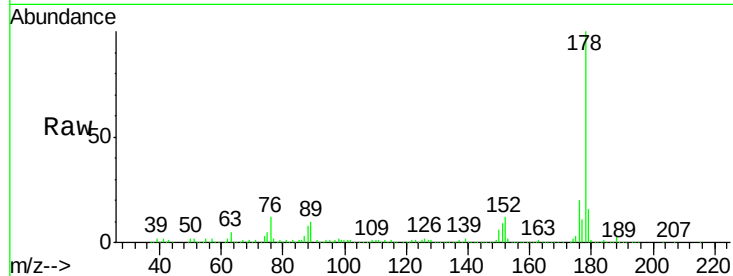
#70
Phenanthrene
Concen: 11.466 ng
RT: 11.43 min Scan# 1588
Delta R.T. -0.01 min
Lab File: BF103373.D
Acq: 2 Mar 2018 18:51

Instrument :
BNA_F
ClientSampled :
SP-30

Tot Ion	Ratio	Lower	Upper
178	100		
176	19.9	15.8	23.8
179	16.2	13.0	19.6

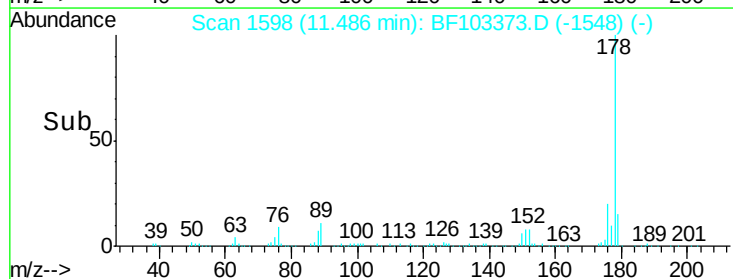
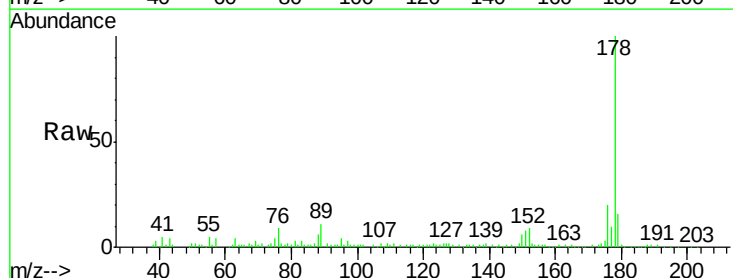
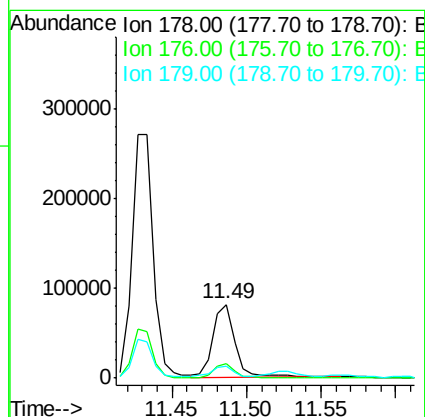
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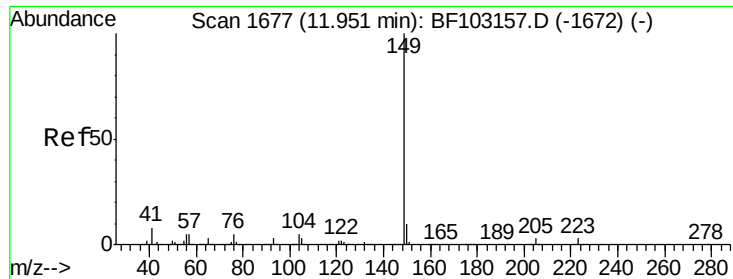
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#71
Anthracene
Concen: 3.634 ng
RT: 11.49 min Scan# 1598
Delta R.T. -0.01 min
Lab File: BF103373.D
Acq: 2 Mar 2018 18:51

Tgt Ion	Ratio	Lower	Upper
178	100		
176	19.7	15.4	23.2
179	15.6	12.6	19.0





#73

Di-n-butylphthalate

Concen: 3.806 ng

RT: 11.96 min Scan# 1678

Delta R.T. -0.01 min

Lab File: BF103373.D

Acq: 2 Mar 2018 18:51

Instrument :

BNA_F

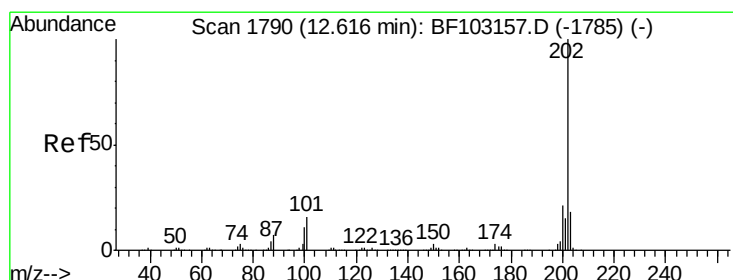
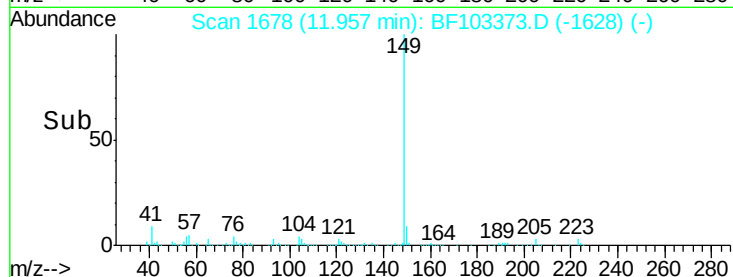
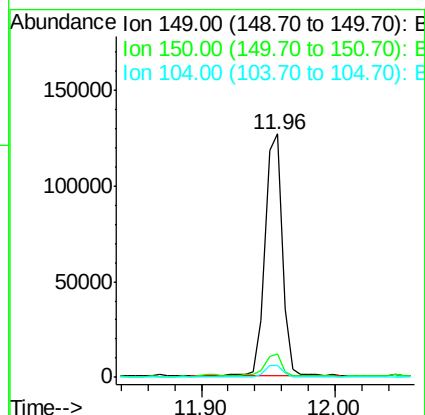
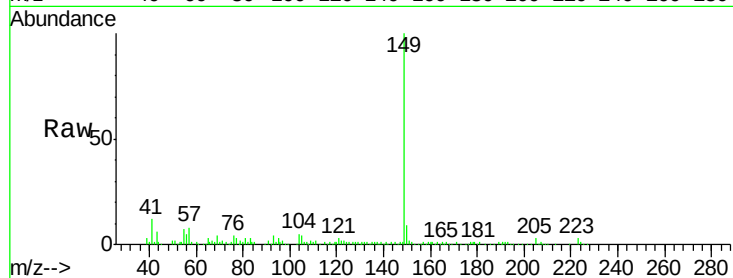
ClientSampled :

SP-30

Tot Ion:	149	Resp:	111894
Ion Ratio	Lower	Upper	
149	100		
150	9.5	7.8	11.6
104	5.0	3.8	5.8

Manual Integrations
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#74

Fluoranthene

Concen: 18.910 ng

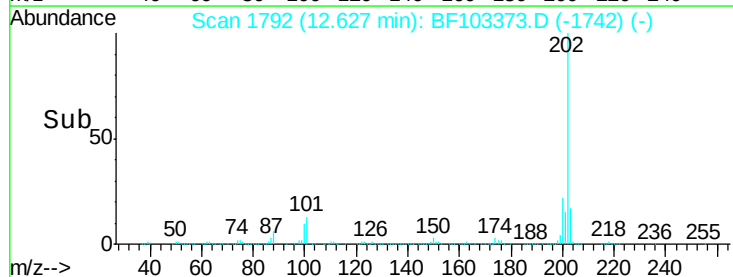
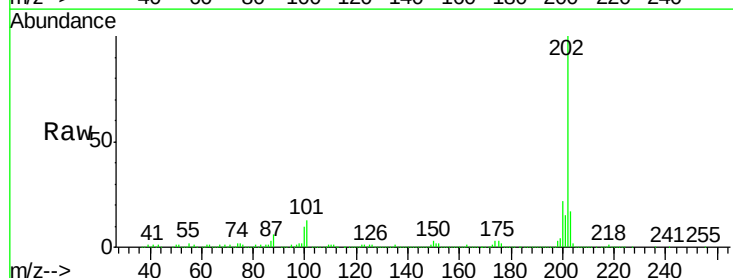
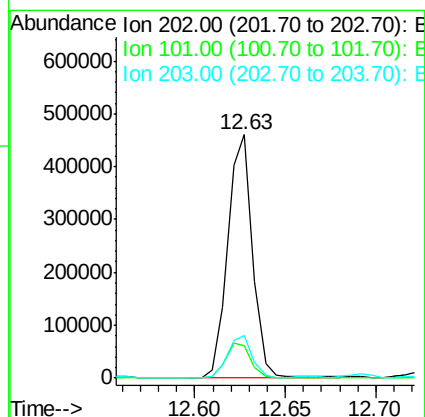
RT: 12.63 min Scan# 1792

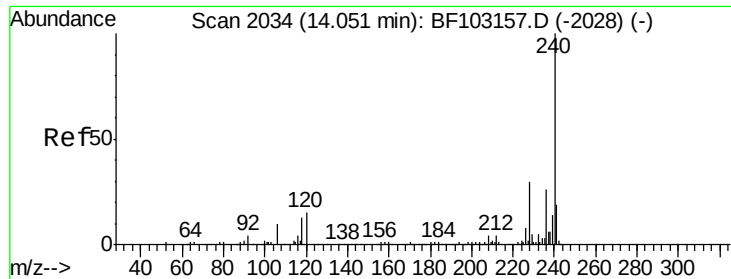
Delta R.T. -0.01 min

Lab File: BF103373.D

Acq: 2 Mar 2018 18:51

Tgt Ion:	202	Resp:	437158
Ion Ratio	Lower	Upper	
202	100		
101	13.4	0.0	34.1
203	17.4	0.0	38.1





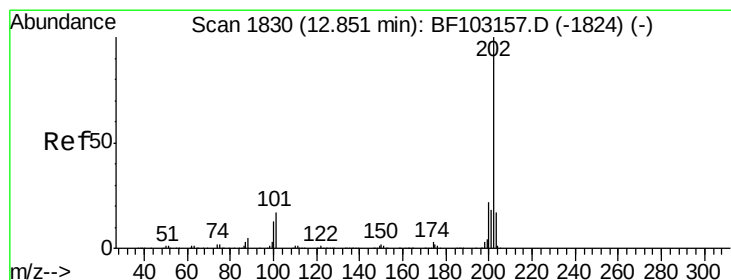
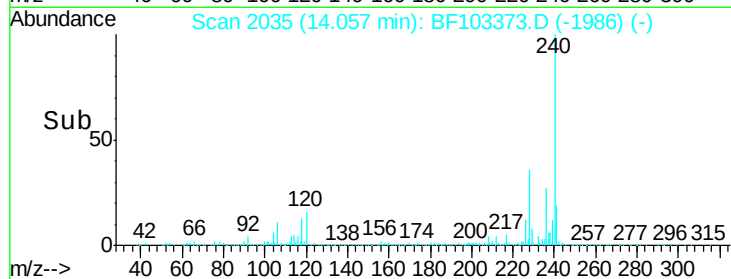
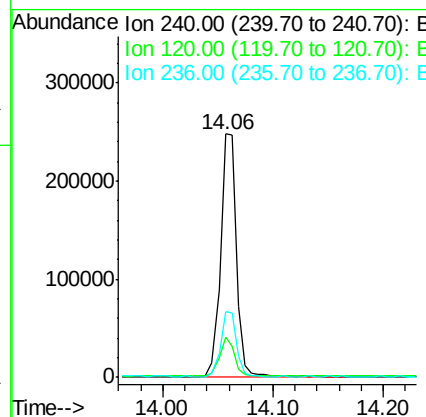
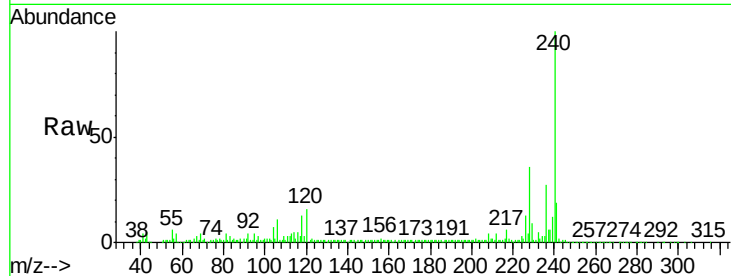
#75
Chrysene-d12
Concen: 20.000 ng
RT: 14.06 min Scan# 2035
Delta R.T. -0.01 min
Lab File: BF103373.D
Acq: 2 Mar 2018 18:51

Instrument :
BNA_F
ClientSampleId :
SP-30

Tot Ion	Ratio	Lower	Upper
240	100		
120	16.4	9.5	14.3
236	26.8	20.7	31.1

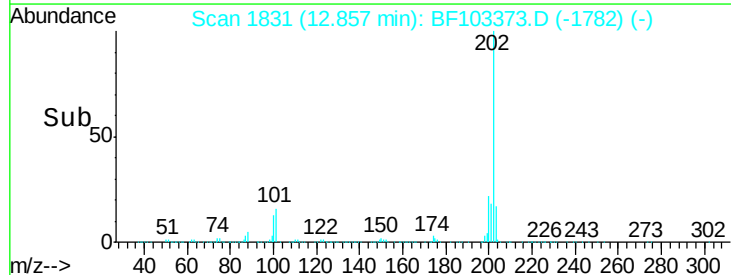
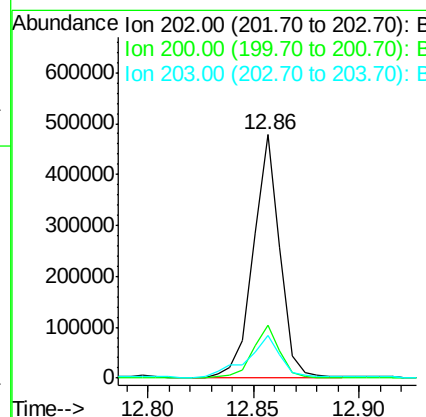
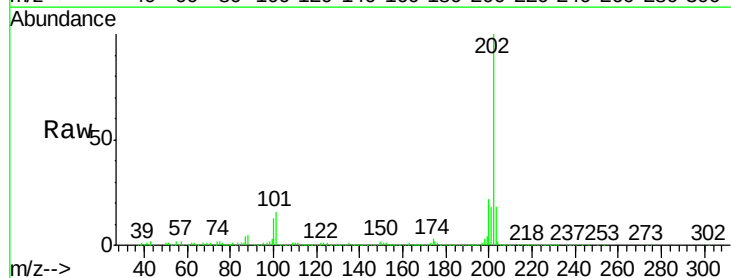
Manual Integrations
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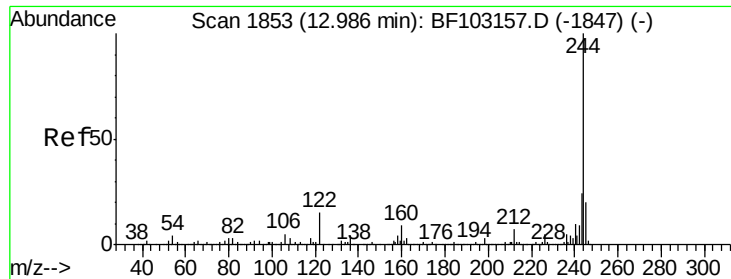
Sohil
3/5/2018 3:13:26 PM



#77
Pyrene
Concen: 21.660 ng
RT: 12.86 min Scan# 1831
Delta R.T. -0.01 min
Lab File: BF103373.D
Acq: 2 Mar 2018 18:51

Tgt Ion	Ratio	Lower	Upper
202	100		
200	22.0	17.4	26.2
203	17.5	14.3	21.5





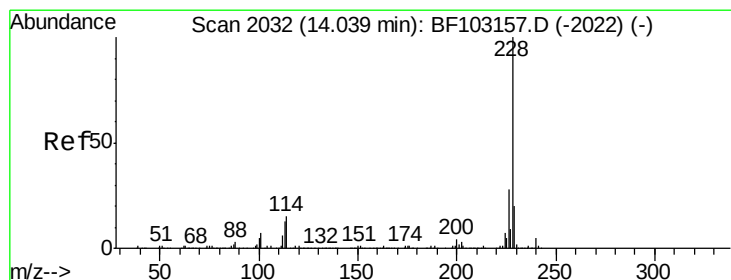
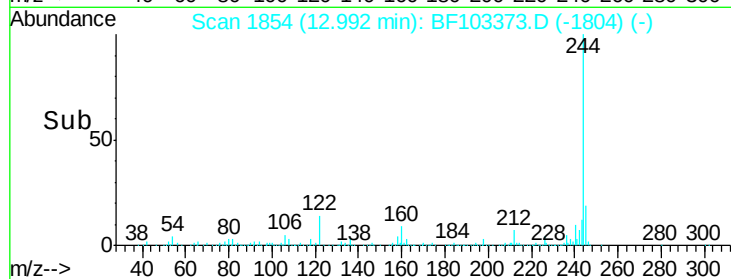
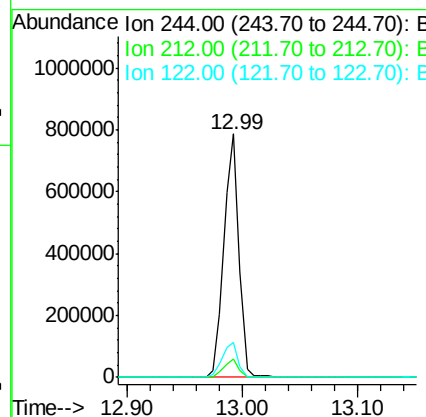
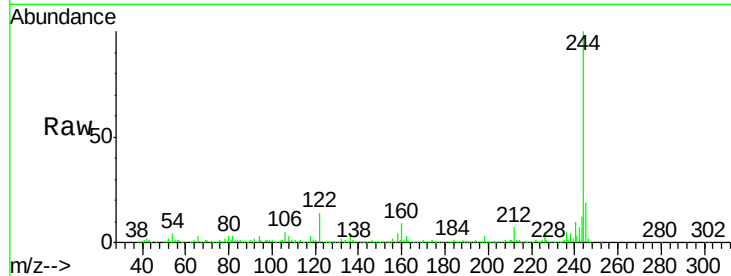
#78
 Terphenyl-d14
 Concen: 69.525 ng
 RT: 12.99 min Scan# 1854
 Delta R.T. -0.01 min
 Lab File: BF103373.D
 Acq: 2 Mar 2018 18:51

Instrument :
 BNA_F
 ClientSampled :
 SP-30

Tot Ion	Ratio	Lower	Upper
244	100		
212	7.3	5.4	8.0
122	14.3	11.0	16.4

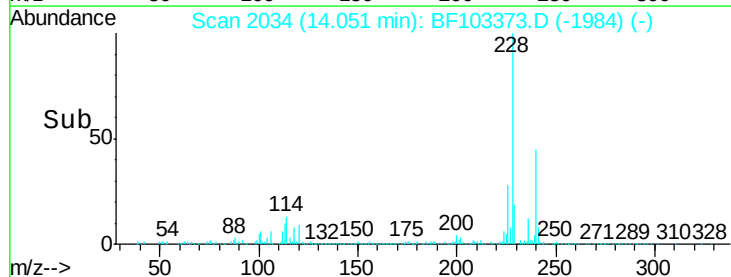
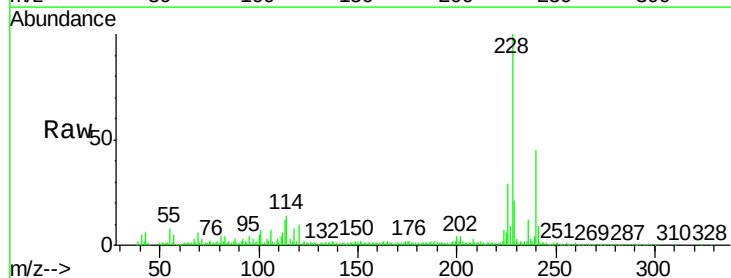
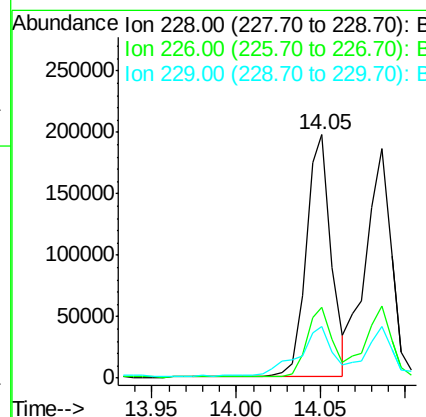
Manual Integrations
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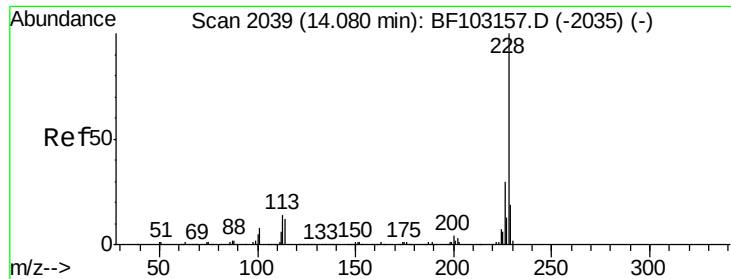
Sohil
 3/5/2018 3:13:26 PM



#80
 Benzo(a)anthracene
 Concen: 12.765 ng
 RT: 14.05 min Scan# 2034
 Delta R.T. -0.01 min
 Lab File: BF103373.D
 Acq: 2 Mar 2018 18:51

Tgt Ion	Ratio	Lower	Upper
228	100		
226	29.1	22.6	33.8
229	21.0	15.8	23.6





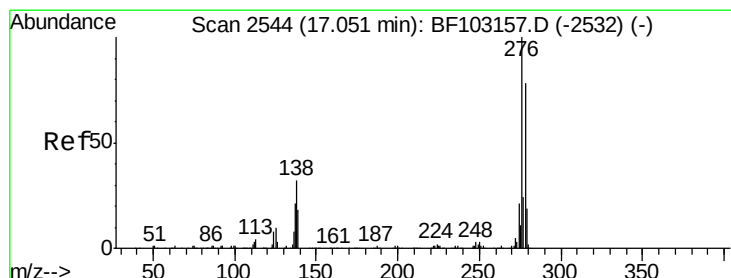
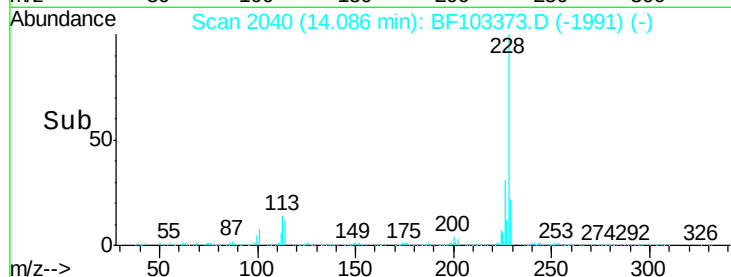
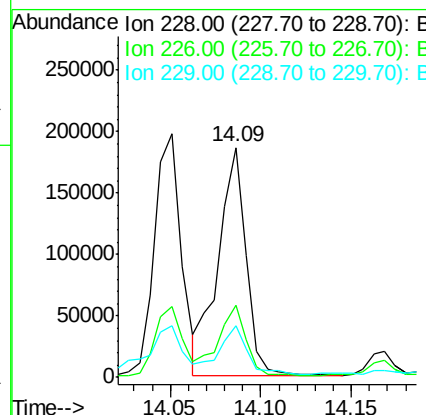
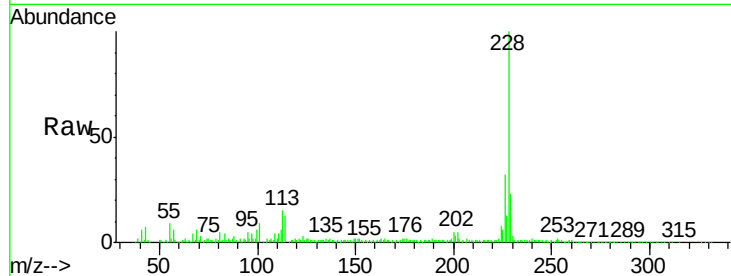
#82
Chrysene
Concen: 13.023 ng
RT: 14.09 min Scan# 2040
Delta R.T. -0.01 min
Lab File: BF103373.D
Acq: 2 Mar 2018 18:51

Instrument :
BNA_F
ClientSampled :
SP-30

Tot Ion	Ratio	Lower	Upper
228	100		
226	31.5	25.0	37.6
229	22.7	16.2	24.4

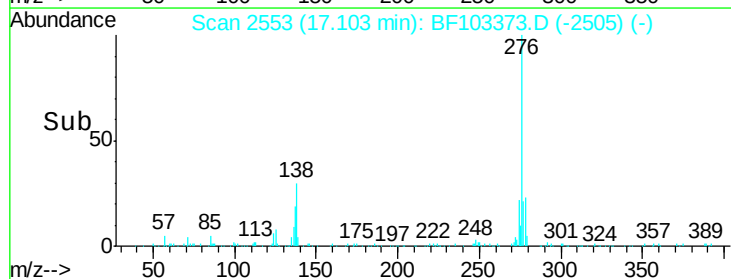
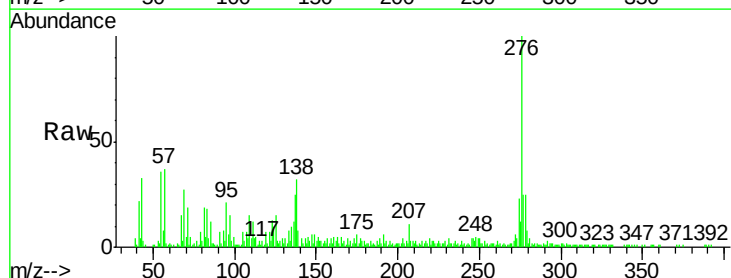
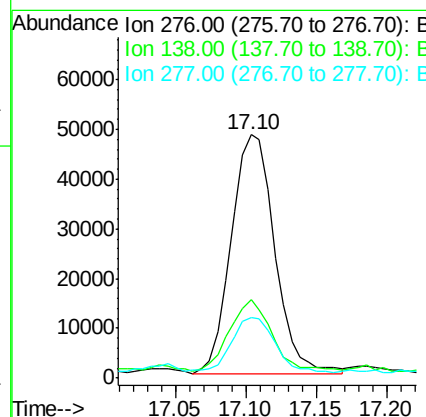
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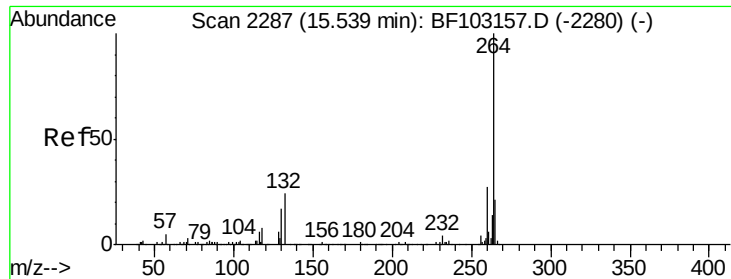
Sohil
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#85
Indeno(1,2,3-cd)pyrene
Concen: 8.433 ng
RT: 17.10 min Scan# 2553
Delta R.T. -0.02 min
Lab File: BF103373.D
Acq: 2 Mar 2018 18:51

Tgt Ion	Ratio	Lower	Upper
276	100		
138	28.6	25.0	37.6
277	22.2	20.1	30.1





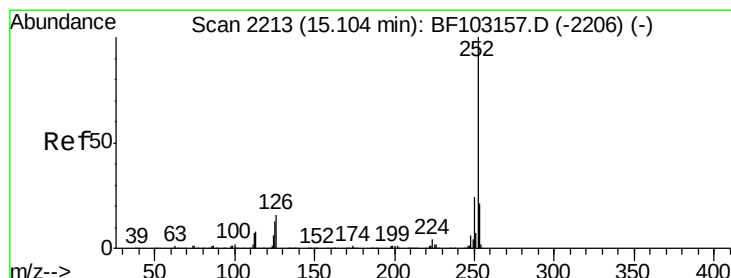
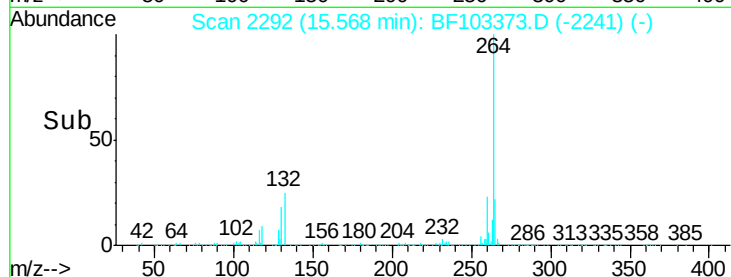
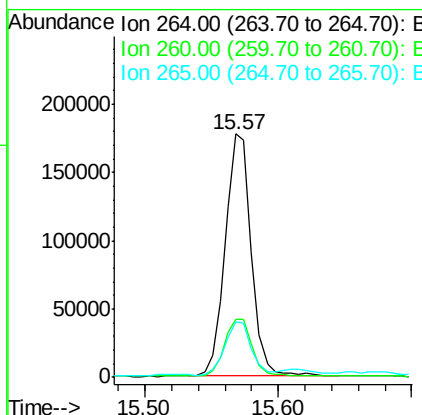
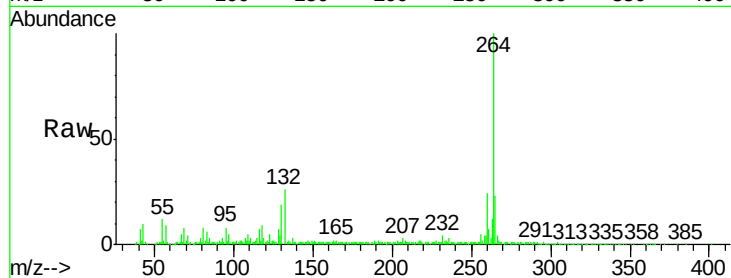
#86
Pervlene-d12
Concen: 20.000 ng
RT: 15.57 min Scan# 2292
Delta R.T. -0.00 min
Lab File: BF103373.D
Acq: 2 Mar 2018 18:51

Instrument :
BNA_F
ClientSampleId :
SP-30

Tot Ion	Ratio	Lower	Upper
264	100		
260	23.7	19.2	28.8
265	22.8	17.5	26.3

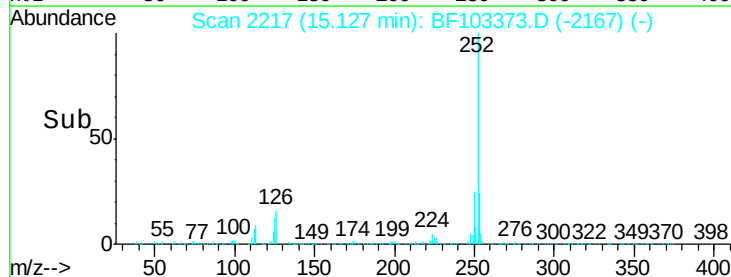
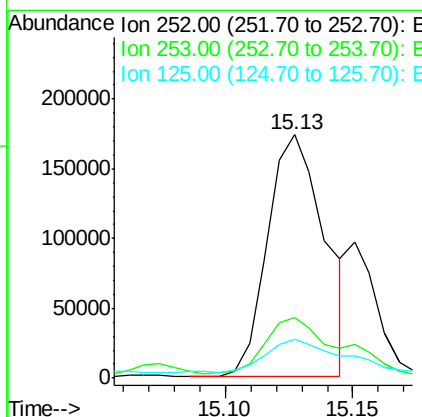
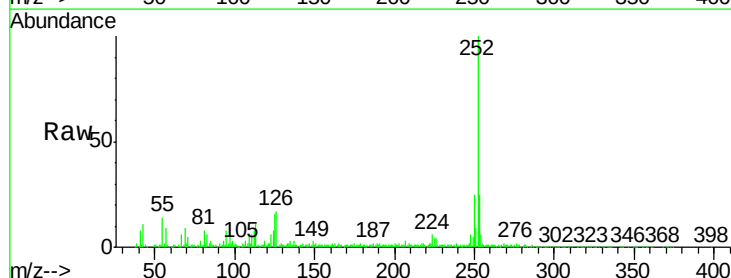
Manual Integrations
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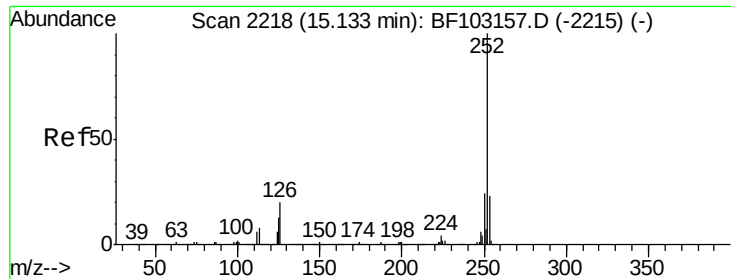
Sohil
3/5/2018 3:13:26 PM



#87
Benzo(b)fluoranthene
Concen: 16.895 ng m
RT: 15.13 min Scan# 2217
Delta R.T. -0.01 min
Lab File: BF103373.D
Acq: 2 Mar 2018 18:51

Tgt Ion	Ratio	Lower	Upper
252	100		
253	25.1	17.0	25.6
125	15.9	9.0	13.6





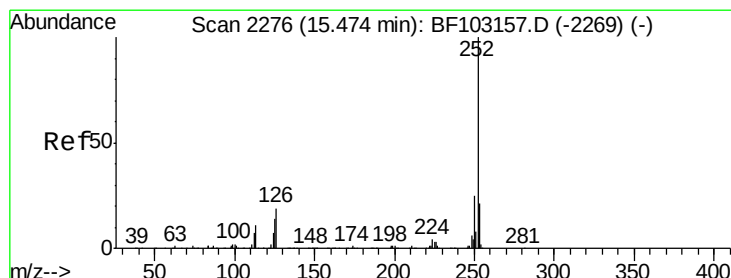
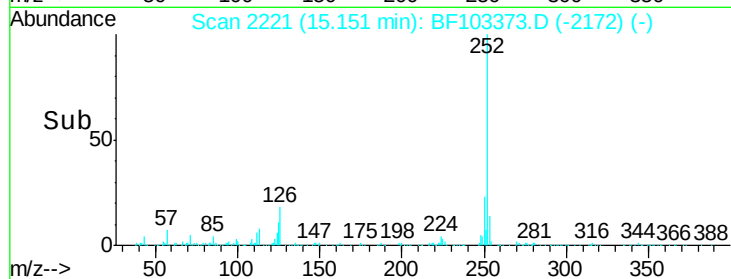
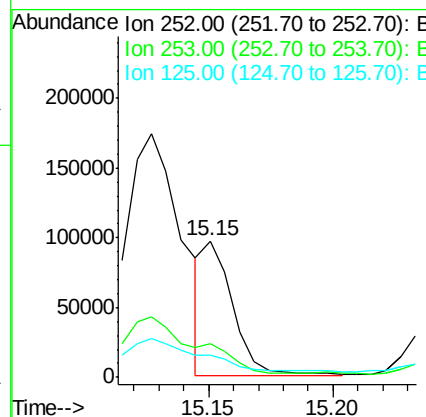
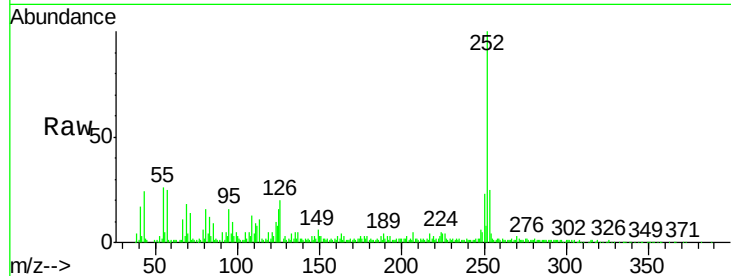
#88
Benzo(k)fluoranthene
Concen: 5.274 ng m
RT: 15.15 min Scan# 2221
Delta R.T. -0.01 min
Lab File: BF103373.D
Acq: 2 Mar 2018 18:51

Instrument :
BNA_F
ClientSampled :
SP-30

Tot Ion	Ratio	Lower	Upper
252	100		
253	24.9	17.9	26.9
125	16.2	10.2	15.2

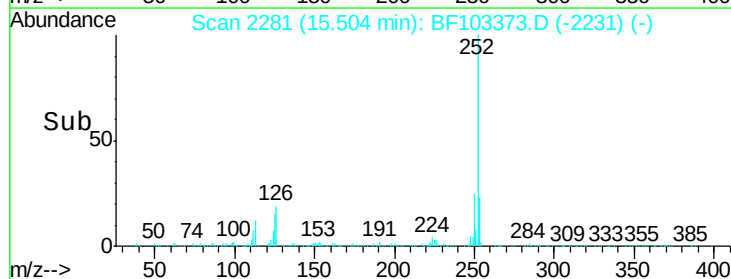
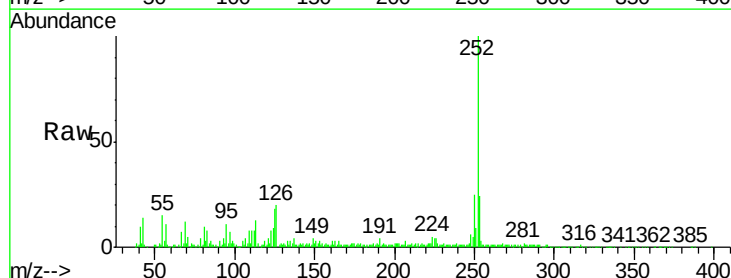
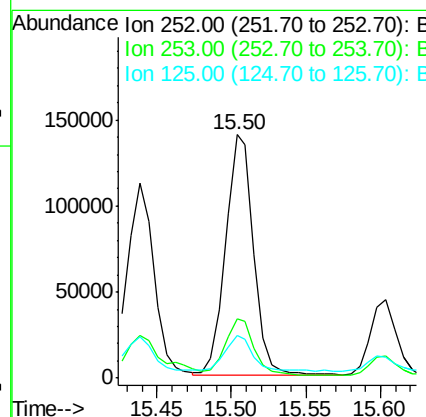
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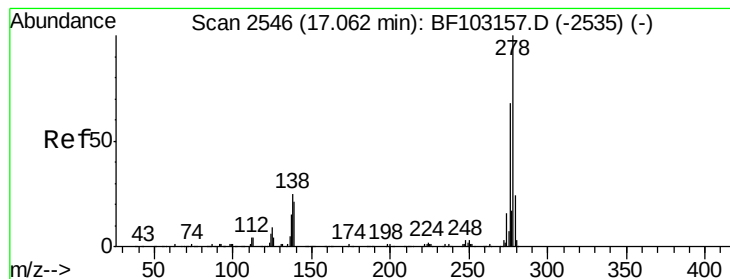
Sohil
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#89
Benzo(a)pyrene
Concen: 13.010 ng
RT: 15.50 min Scan# 2281
Delta R.T. -0.01 min
Lab File: BF103373.D
Acq: 2 Mar 2018 18:51

Tgt Ion	Ratio	Lower	Upper
252	100		
253	24.4	17.1	25.7
125	17.6	9.8	14.6





#90

Dibenzo(a,h)anthracene

Concen: 2.414 ng

RT: 17.11 min Scan# 2554

Delta R.T. -0.01 min

Lab File: BF103373.D

Acq: 2 Mar 2018 18:51

Instrument :

BNA_F

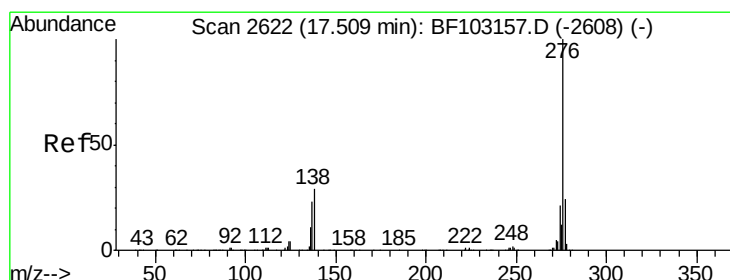
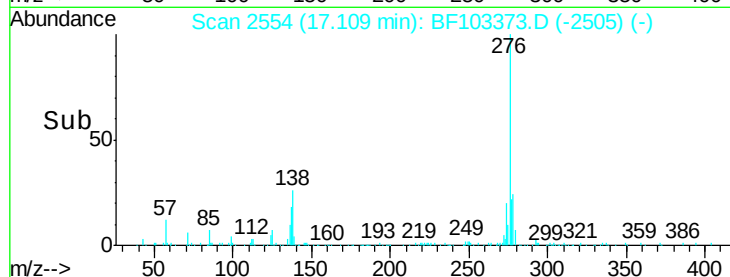
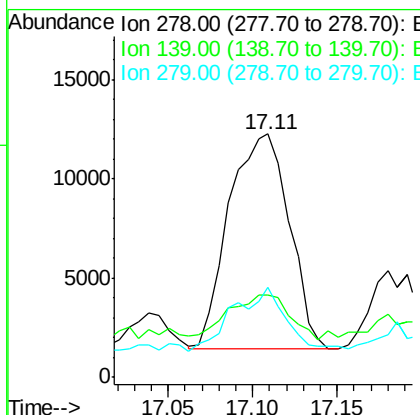
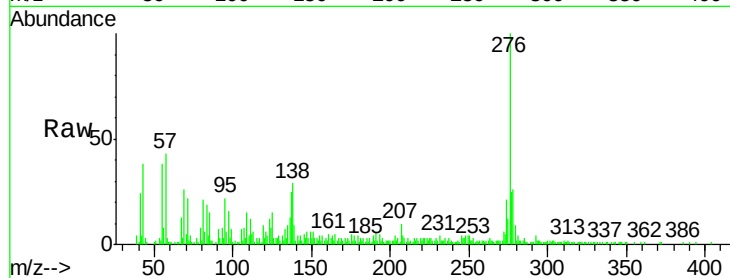
ClientSampleId :

SP-30

Tot Ion:	278	Resp:	26740
Ion	Ratio	Lower	Upper
278	100		
139	33.6	15.9	23.9#
279	37.2	19.0	28.4#

Manual Integrations
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3/5/2018 3:13:26 PM



#91

Benzo(g,h,i)perylene

Concen: 8.772 ng

RT: 17.57 min Scan# 2633

Delta R.T. -0.01 min

Lab File: BF103373.D

Acq: 2 Mar 2018 18:51

Tgt Ion:	276	Resp:	94951
Ion	Ratio	Lower	Upper
276	100		
277	26.3	17.9	26.9
138	33.5	21.8	32.8#

