

Data Path : Z:\HPCHEM1\BNA F\DATA\BF030218\
 Data File : BF103389.D
 Acq On : 3 Mar 2018 1:53
 Operator : SJ/JU
 Sample : J1724-11
 Misc :
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SP-19

Manual Integrations
 APPROVED

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

Quant Time: Mar 05 04:29:27 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	6.88	152	141275	20.00	ng	0.00
21) Naphthalene-d8	8.16	136	600546	20.00	ng	0.00
38) Acenaphthene-d10	9.92	164	238796	20.00	ng	0.00
63) Phenanthrene-d10	11.42	188	341494	20.00	ng	0.00
75) Chrysene-d12	14.07	240	205786	20.00	ng	0.00
86) Perylene-d12	15.58	264	148018	20.00	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.50	112	943969	101.06	ng	0.00
7) Phenol-d6	6.52	99	1131162	98.96	ng	0.00
23) Nitrobenzene-d5	7.45	82	719009	68.37	ng	0.00
41) 2,4,6-Tribromophenol	10.72	330	154081	76.23	ng	0.00
44) 2-Fluorobiphenyl	9.23	172	965894	66.01	ng	0.00
78) Terphenyl-d14	13.00	244	599622	70.04	ng	0.00
Target Compounds						
10) Phenol	6.53	94	32185	2.426	ng	Qvalue # 62
49) Dimethylphthalate	9.63	163	79203	4.135	ng	99
70) Phenanthrene	11.44	178	273601	14.558	ng	99
71) Anthracene	11.49	178	88595	4.597	ng	98
74) Fluoranthene	12.63	202	526524	27.880	ng	100
77) Pyrene	12.86	202	473522	29.513	ng	99
80) Benzo(a)anthracene	14.06	228	221306	16.575	ng	98
82) Chrysene	14.09	228	201668	15.555	ng	99
85) Indeno(1,2,3-cd)pyrene	17.12	276	70809	6.899	ng	96
87) Benzo(b)fluoranthene	15.13	252	187544m	19.271	ng	
88) Benzo(k)fluoranthene	15.16	252	74018m	8.077	ng	
89) Benzo(a)pyrene	15.52	252	126926	14.605	ng	# 93
90) Dibenzo(a,h)anthracene	17.12	278	19248	2.866	ng	# 70
91) Benzo(a,h,i)perylene	17.59	276	65979	10.053	ng	# 88

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

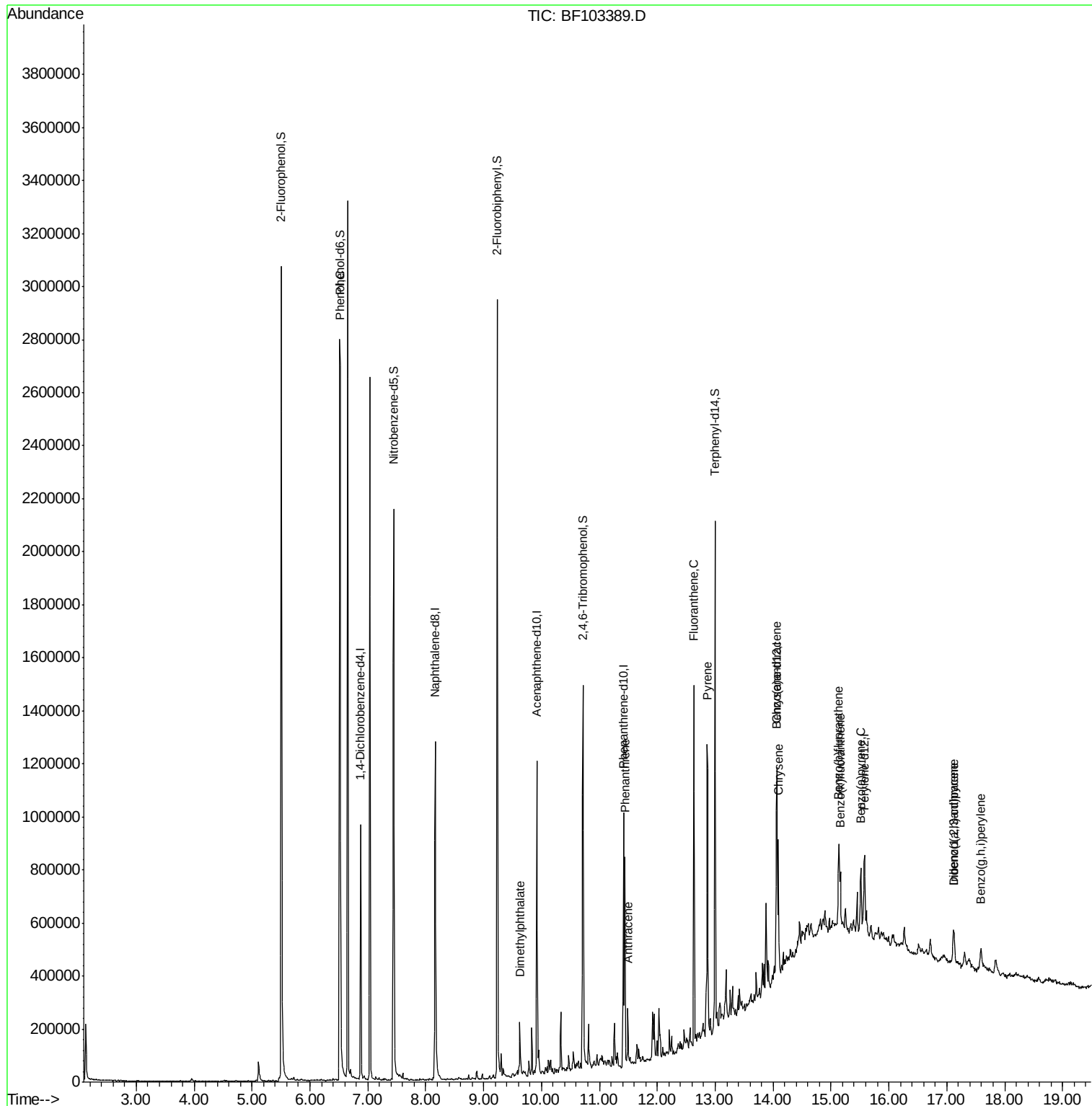
Data Path : Z:\HPCHEM1\BNA F\DATA\BF030218\
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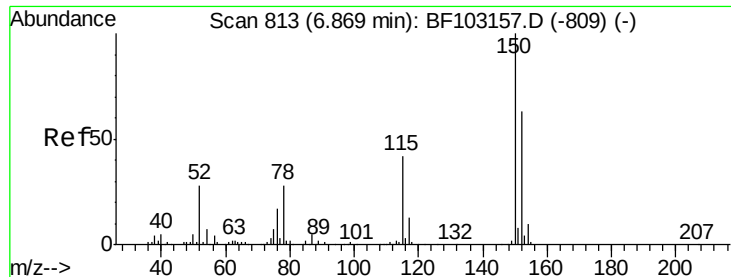
Instrument :
BNA_F
ClientSampled :
SP-19

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#1

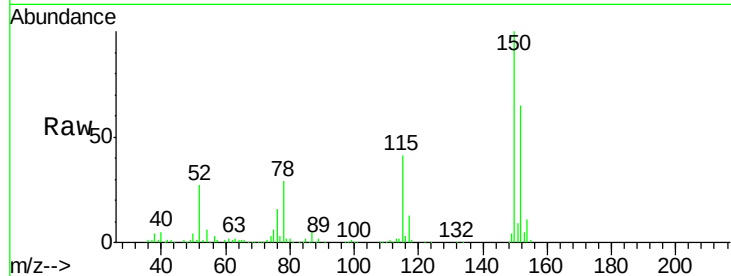
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.88 min Scan# 815
Delta R.T. 0.01 min
Lab File: BF103389.D
Acq: 3 Mar 2018 1:53

Instrument :
BNA_F
ClientSampled :
SP-19

Tot Ion	Ratio	Lower	Upper
152	100		
150	154.6	124.6	186.8
115	63.4	50.1	75.1

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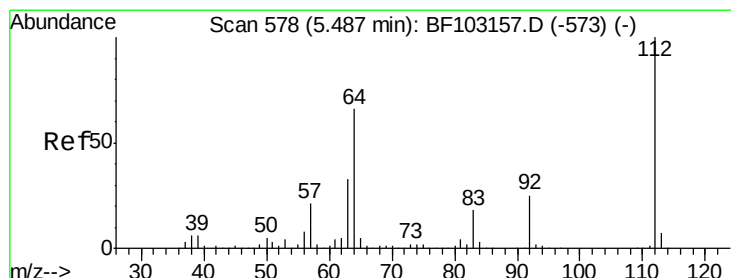
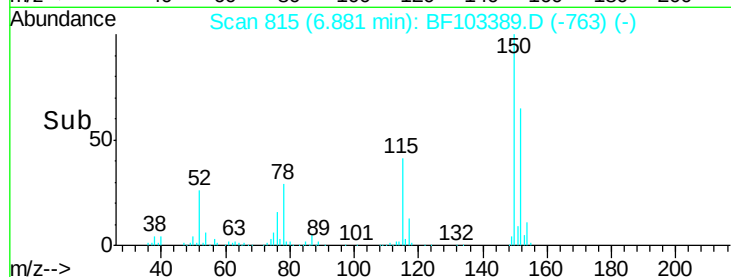
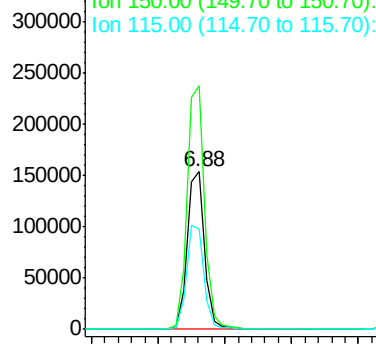


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

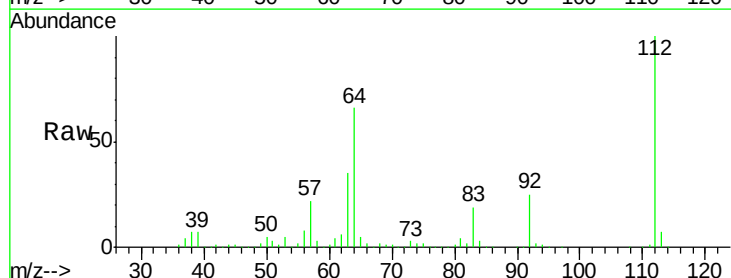
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 101.057 ng
RT: 5.50 min Scan# 581
Delta R.T. 0.01 min
Lab File: BF103389.D
Acq: 3 Mar 2018 1:53

Tgt Ion	Ratio	Lower	Upper
112	100		
64	66.2	47.9	71.9
63	34.9	23.7	35.5

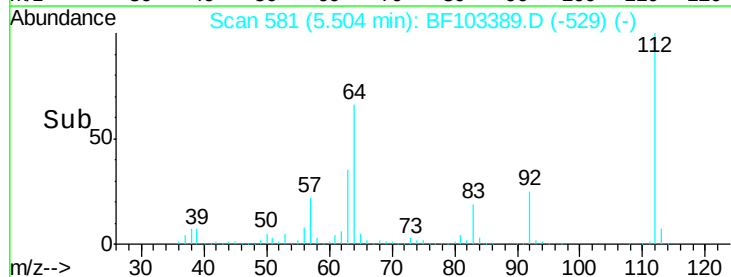
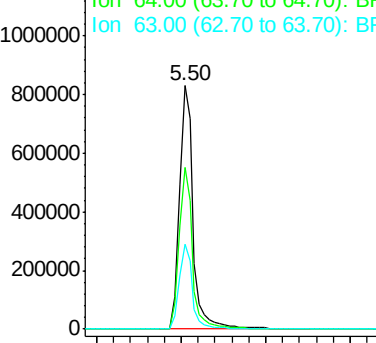


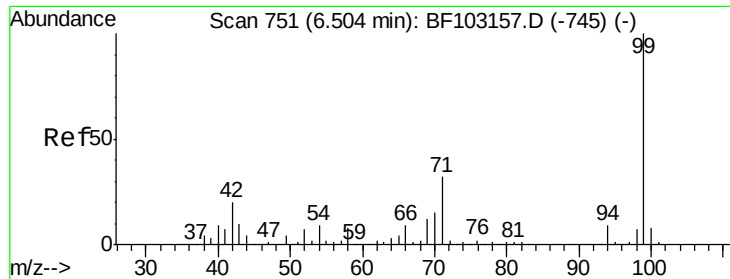
Abundance

Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF1

Ion 63.00 (62.70 to 63.70): BF1





#7

Phenol-d6

Concen: 98.964 ng

RT: 6.52 min Scan# 753

Delta R.T. -0.00 min

Lab File: BF103389.D

Acq: 3 Mar 2018 1:53

Instrument :

BNA_F

ClientSampled :

SP-19

Tot Ion: 99 Resp: 1131162

Ion Ratio Lower Upper

99 100

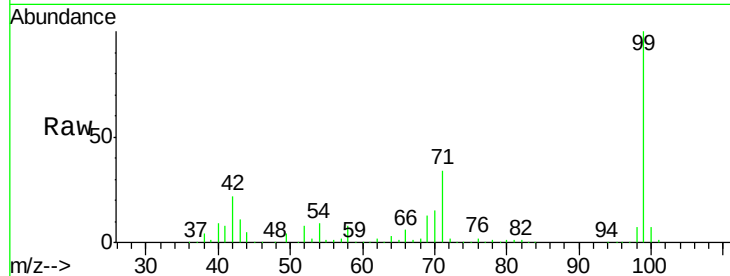
42 22.2 14.5 21.7#

71 34.1 25.4 38.0

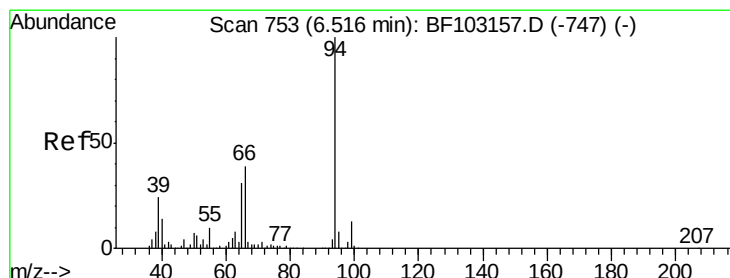
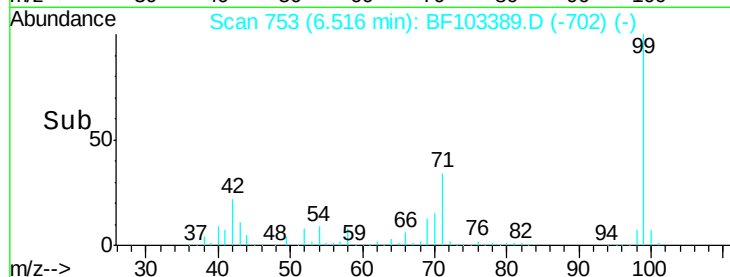
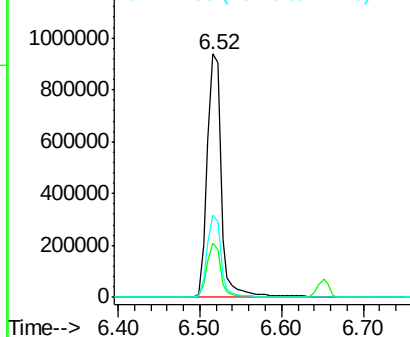
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Abundance Ion 99.00 (98.70 to 99.70): BF1
Ion 42.00 (41.70 to 42.70): BF1
Ion 71.00 (70.70 to 71.70): BF1



#10

Phenol

Concen: 2.426 ng

RT: 6.53 min Scan# 755

Delta R.T. -0.01 min

Lab File: BF103389.D

Acq: 3 Mar 2018 1:53

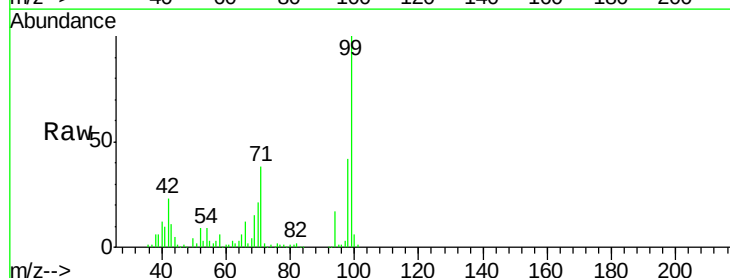
Tgt Ion: 94 Resp: 32185

Ion Ratio Lower Upper

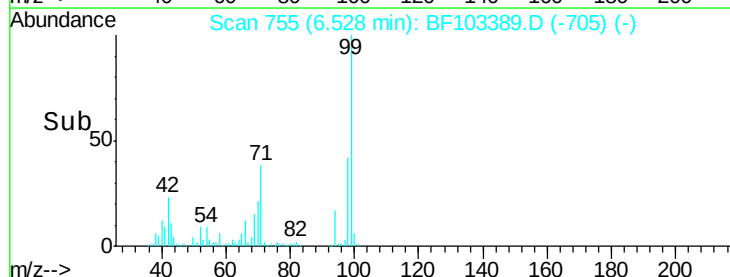
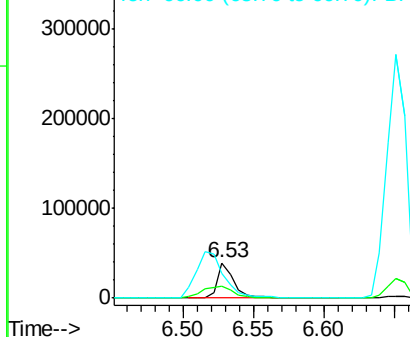
94 100

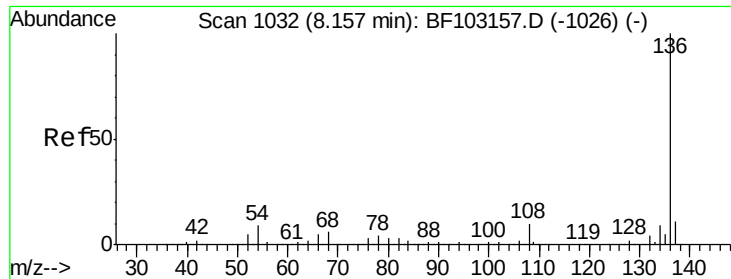
65 35.8 7.9 47.9

66 69.2 16.2 56.2#



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





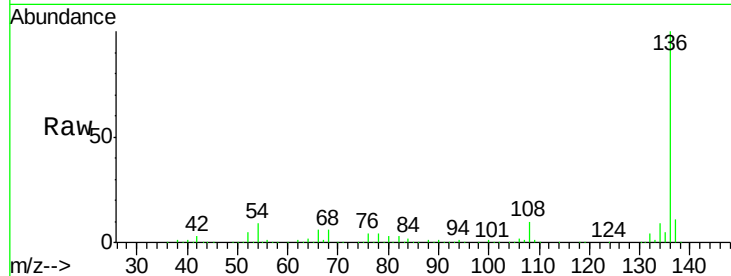
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.16 min Scan# 1033
Delta R.T. -0.00 min
Lab File: BF103389.D
Acq: 3 Mar 2018 1:53

Instrument :
BNA_F
ClientSampled :
SP-19

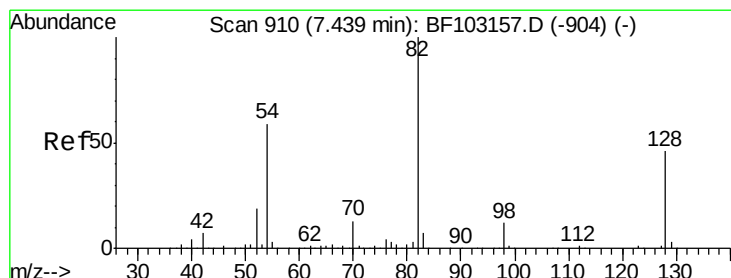
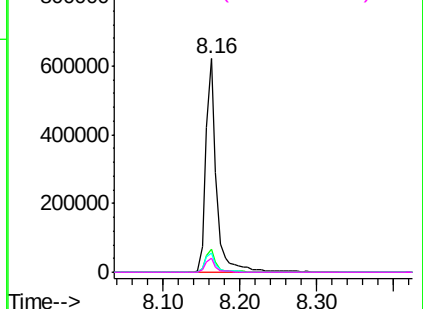
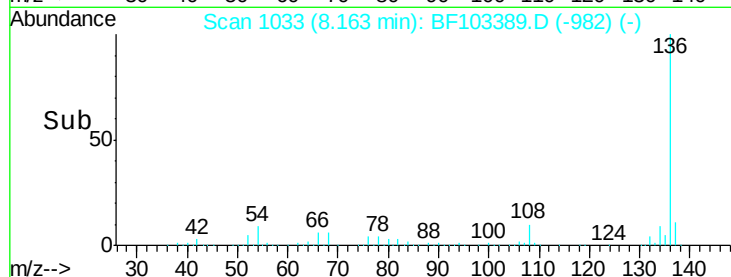
Tot Ion	Ratio	Resp	Lower	Upper
136	100	600546		
137	10.7		8.9	13.3
54	9.0		6.6	9.8
68	6.4		5.0	7.4

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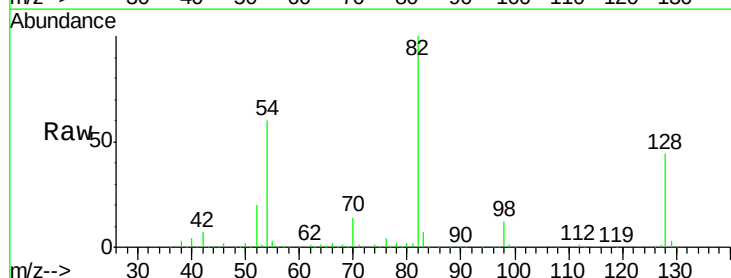


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF1
Ion 68.00 (67.70 to 68.70): BF1

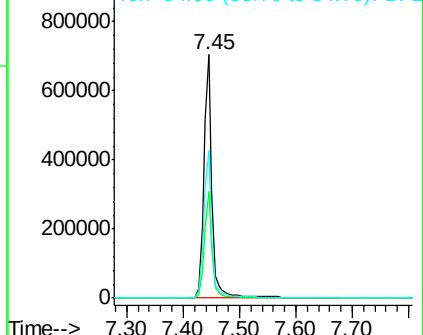
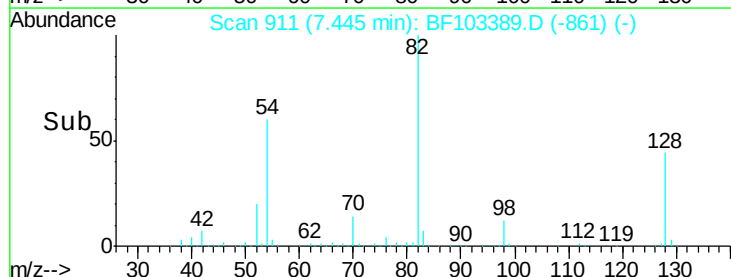


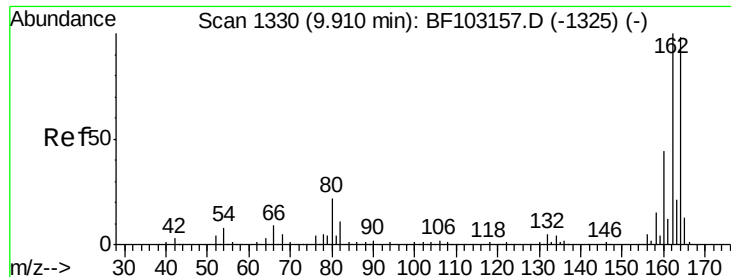
#23
Nitrobenzene-d5
Concen: 68.374 ng
RT: 7.45 min Scan# 911
Delta R.T. -0.01 min
Lab File: BF103389.D
Acq: 3 Mar 2018 1:53

Tgt Ion	Ratio	Resp	Lower	Upper
82	100	719009		
128	43.7		36.1	54.1
54	60.5		41.4	62.2



Abundance Ion 82.00 (81.70 to 82.70): BF1
Ion 128.00 (127.70 to 128.70): E
Ion 54.00 (53.70 to 54.70): BF1





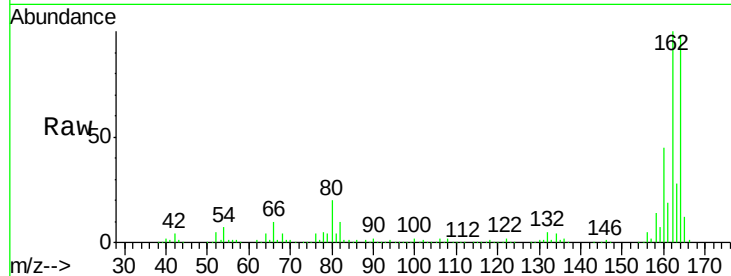
#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.92 min Scan# 1332
Delta R.T. -0.00 min
Lab File: BF103389.D
Acq: 3 Mar 2018 1:53

Instrument :
BNA_F
ClientSampleId :
SP-19

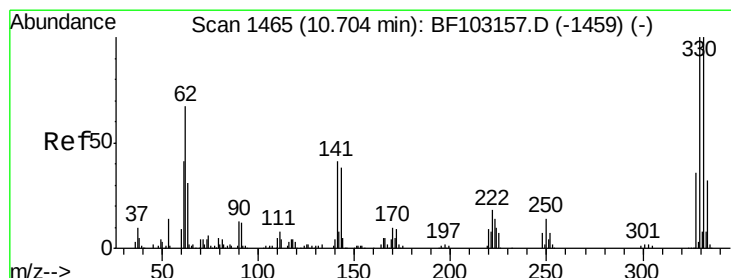
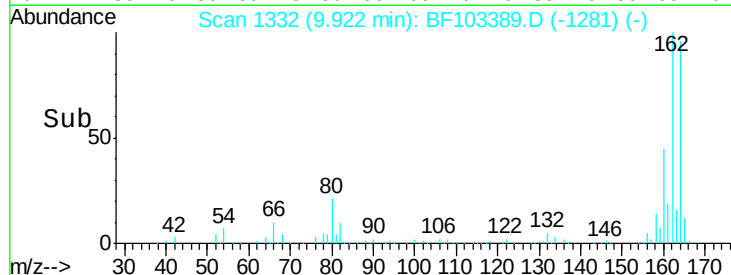
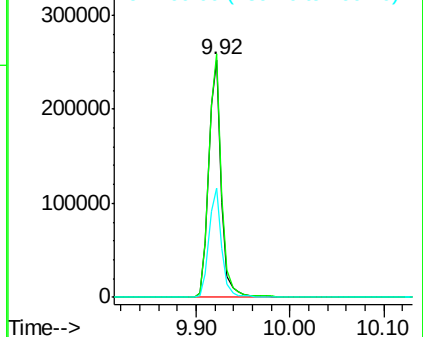
Tot Ion	Ratio	Lower	Upper
164	100		
162	102.5	86.1	129.1
160	45.9	38.3	57.5

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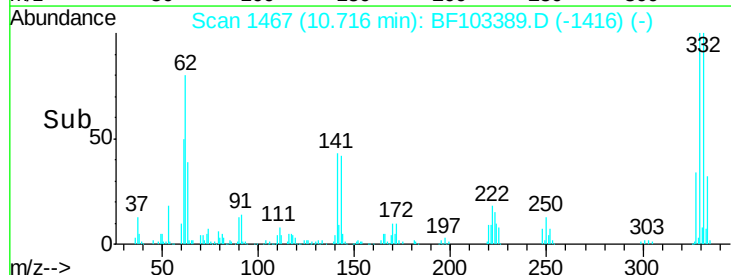
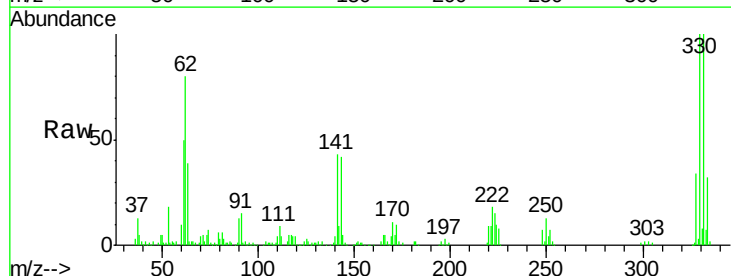
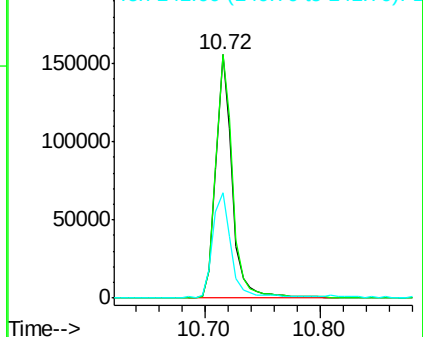
Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E

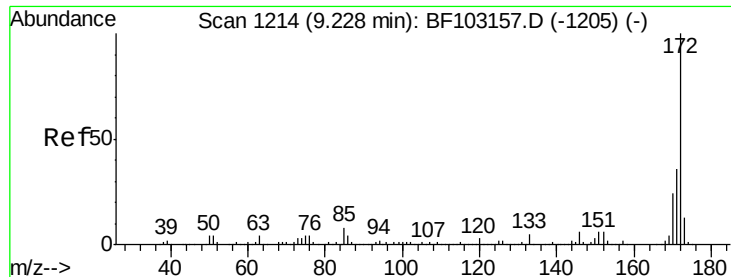


#41
2,4,6-Tribromophenol
Concen: 76.230 ng
RT: 10.72 min Scan# 1467
Delta R.T. -0.00 min
Lab File: BF103389.D
Acq: 3 Mar 2018 1:53

Tgt Ion	Ratio	Lower	Upper
330	100		
332	103.0	77.0	115.6
141	50.1	29.9	44.9#

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





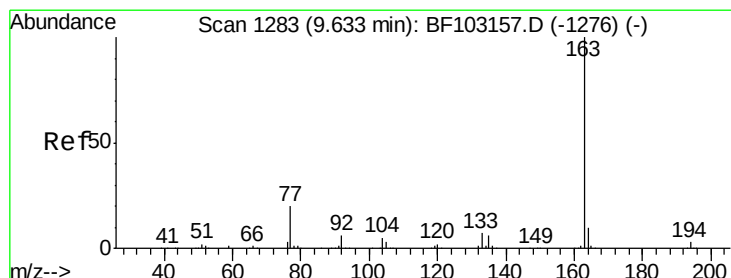
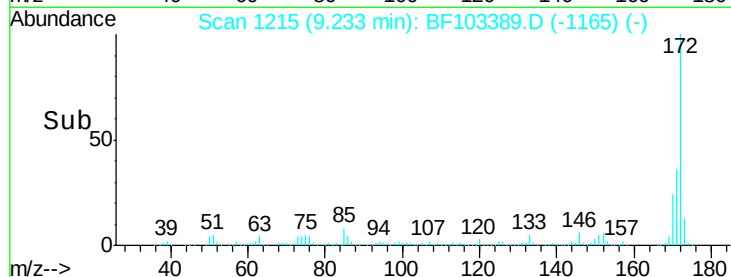
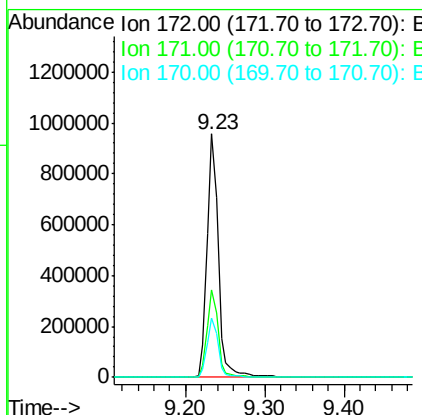
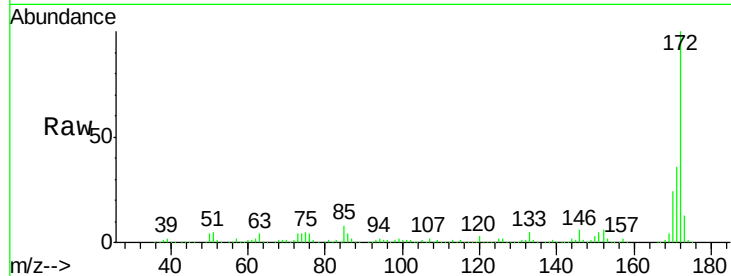
#44
2-Fluorobiphenyl
Concen: 66.013 ng
RT: 9.23 min Scan# 1215
Delta R.T. -0.01 min
Lab File: BF103389.D
Acq: 3 Mar 2018 1:53

Instrument :
BNA_F
ClientSampleId :
SP-19

Tot Ion	Ratio	Lower	Upper
172	100		
171	36.0	29.7	44.5
170	24.2	19.6	29.4

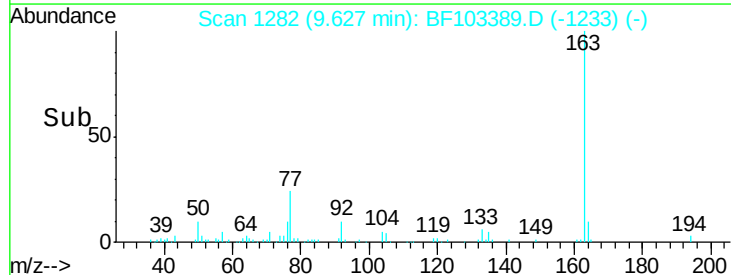
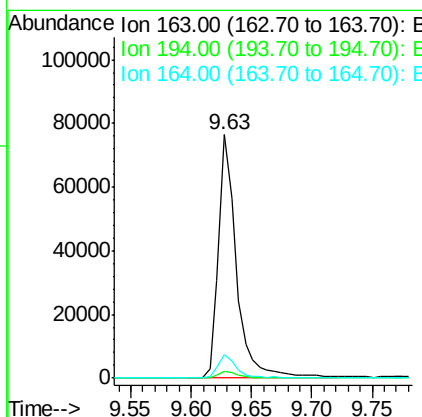
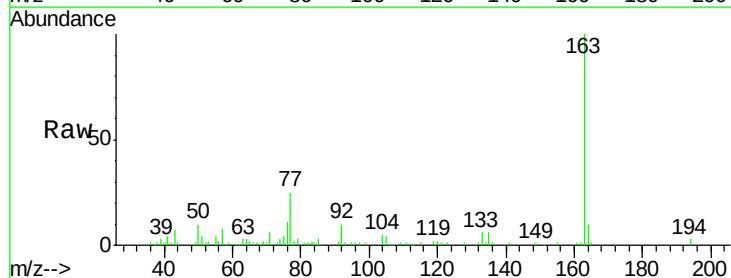
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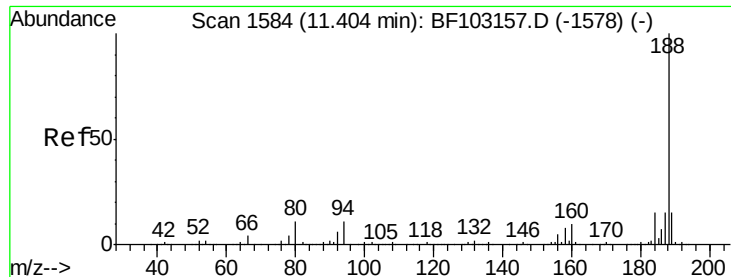
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#49
Dimethylphthalate
Concen: 4.135 ng
RT: 9.63 min Scan# 1282
Delta R.T. -0.01 min
Lab File: BF103389.D
Acq: 3 Mar 2018 1:53

Tgt Ion	Ratio	Lower	Upper
163	100		
194	3.0	2.7	4.1
164	9.9	8.2	12.2





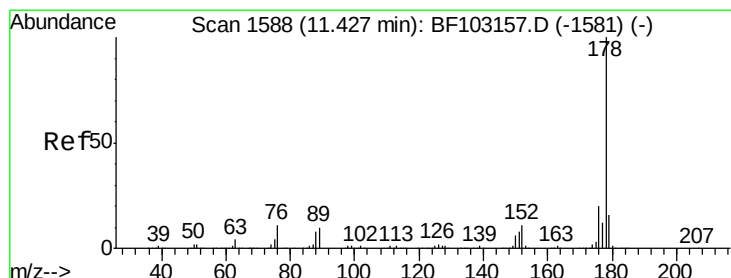
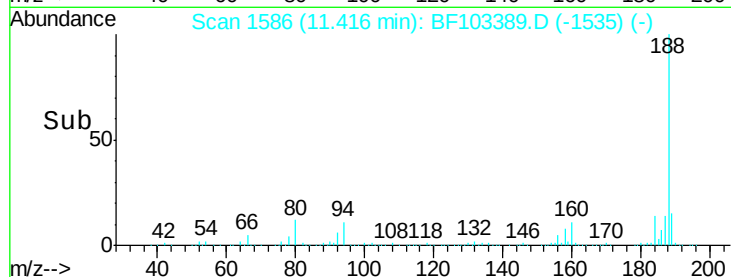
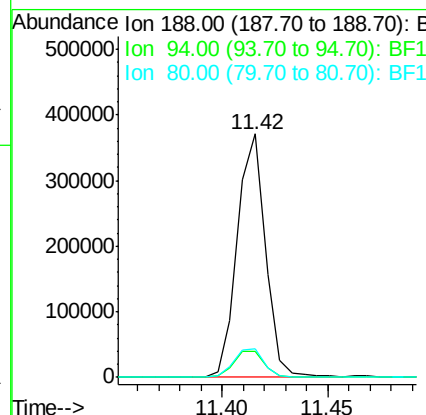
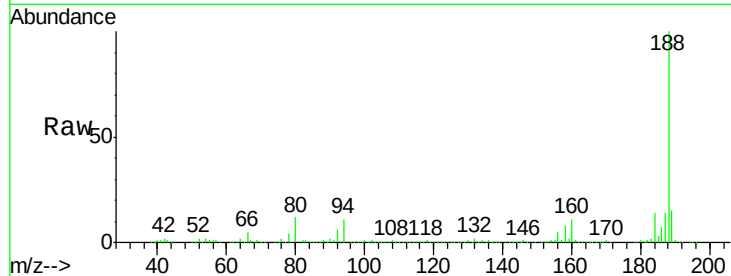
#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.42 min Scan# 1586
Delta R.T. -0.00 min
Lab File: BF103389.D
Acq: 3 Mar 2018 1:53

Instrument :
BNA_F
ClientSampled :
SP-19

Tot Ion	Ratio	Resp	Lower	Upper
188	100	341494		
94	10.6		8.5	12.7
80	11.9		9.2	13.8

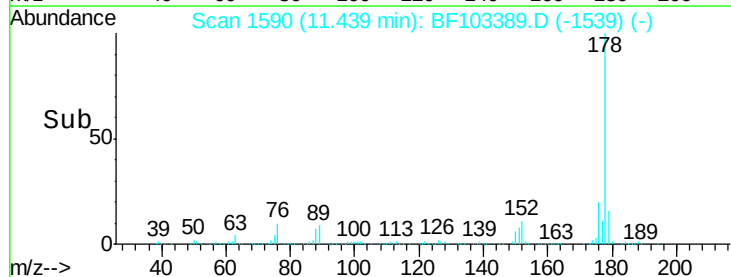
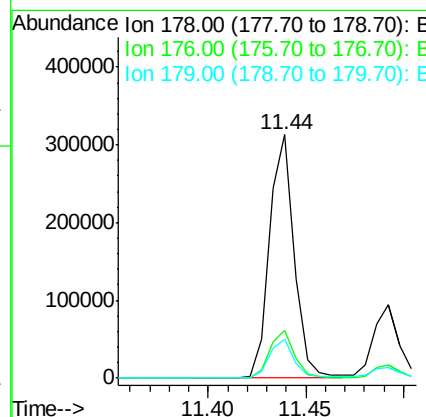
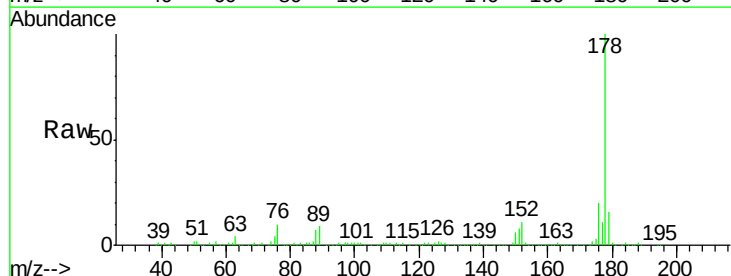
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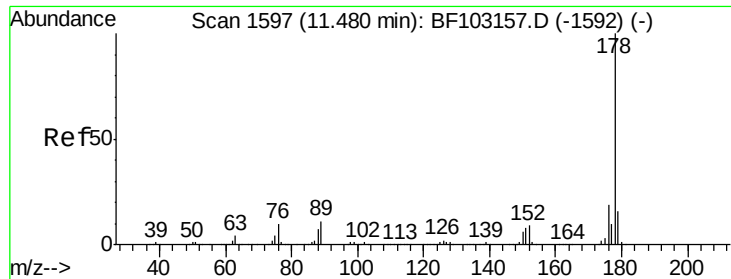
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#70
Phenanthrene
Concen: 14.558 ng
RT: 11.44 min Scan# 1590
Delta R.T. -0.00 min
Lab File: BF103389.D
Acq: 3 Mar 2018 1:53

Tgt Ion	Ratio	Resp	Lower	Upper
178	100	273601		
176	19.9		15.8	23.8
179	15.8		13.0	19.6





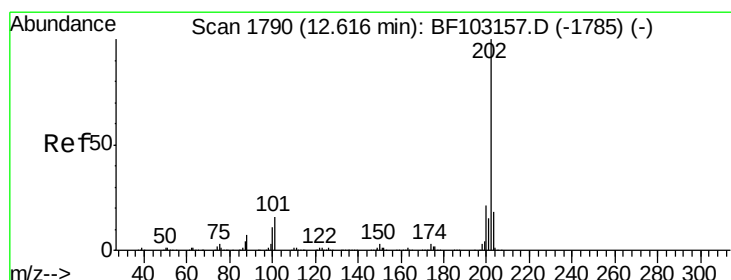
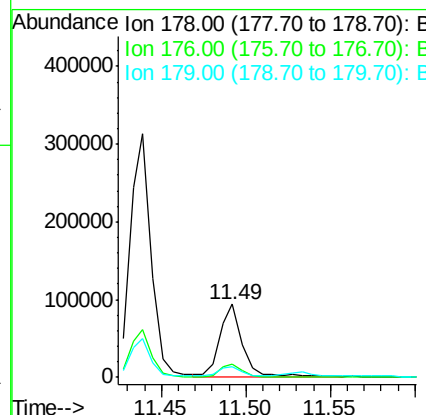
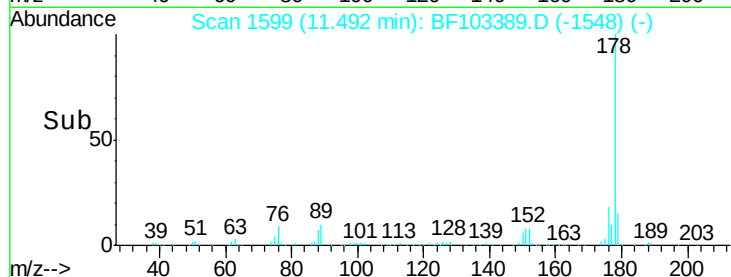
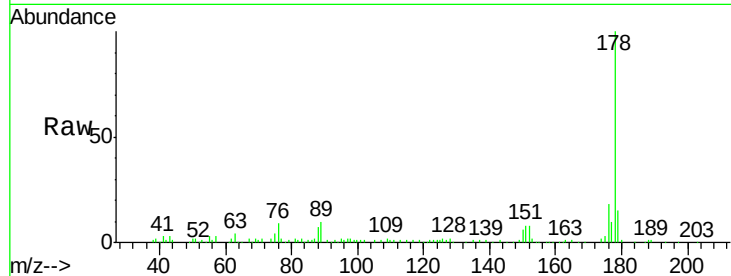
#71
 Anthracene
 Concen: 4.597 ng
 RT: 11.49 min Scan# 1599
 Delta R.T. -0.00 min
 Lab File: BF103389.D
 Acq: 3 Mar 2018 1:53

Instrument :
 BNA_F
 ClientSampled :
 SP-19

Tot Ion	Ratio	Lower	Upper
178	100		
176	18.2	15.4	23.2
179	15.3	12.6	19.0

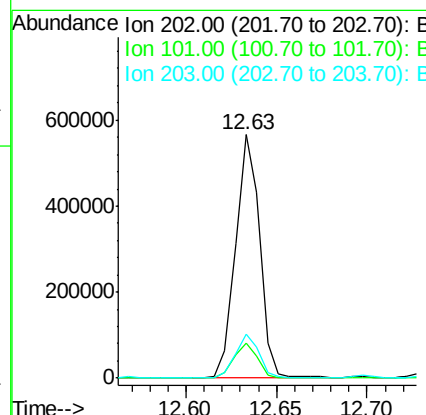
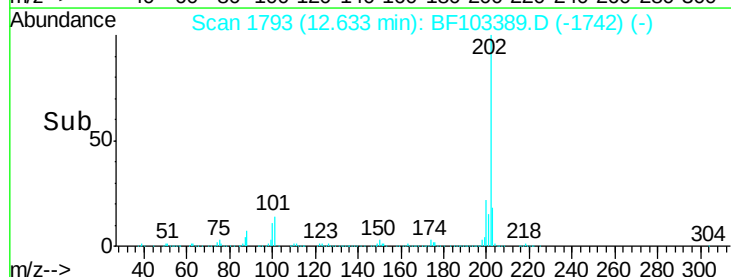
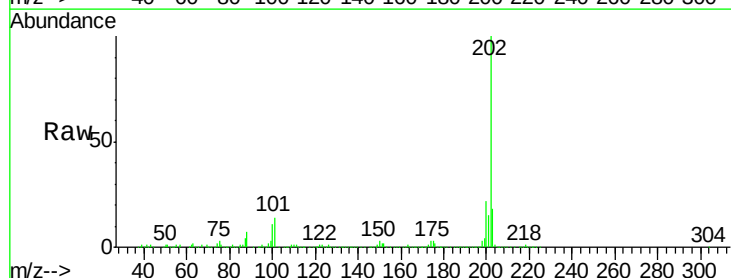
Manual Integrations
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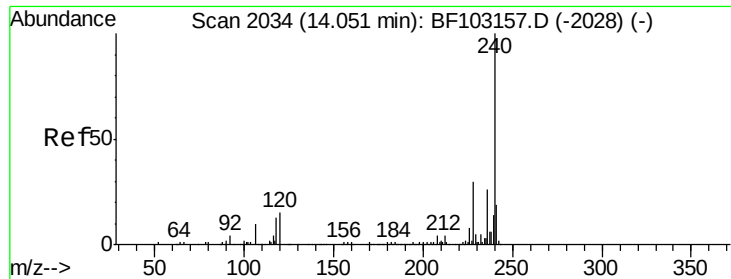
Sohil
 3/5/2018 3:14:14 PM



#74
 Fluoranthene
 Concen: 27.880 ng
 RT: 12.63 min Scan# 1793
 Delta R.T. -0.00 min
 Lab File: BF103389.D
 Acq: 3 Mar 2018 1:53

Tgt Ion	Ratio	Lower	Upper
202	100		
101	14.4	0.0	34.1
203	18.1	0.0	38.1





#75

Chrysene-d12

Concen: 20.000 ng

RT: 14.07 min Scan# 2037

Delta R.T. -0.00 min

Lab File: BF103389.D

Acq: 3 Mar 2018 1:53

Instrument :

BNA_F

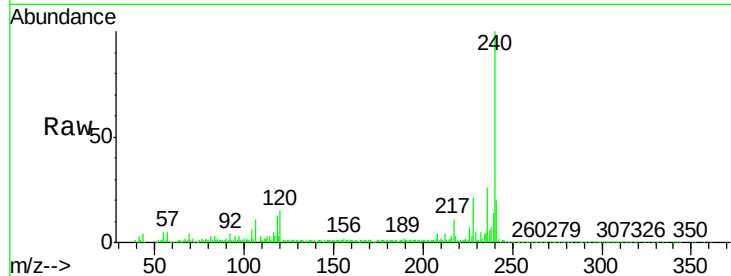
ClientSampleId :

SP-19

Tot Ion	Ratio	Lower	Upper
240	100		
120	15.3	9.5	14.3#
236	25.8	20.7	31.1

Manual Integrations
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3/5/2018 3:14:14 PM

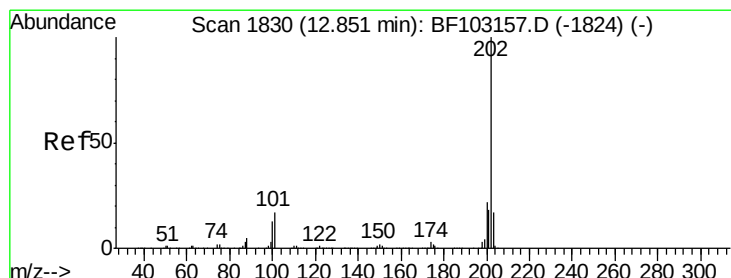
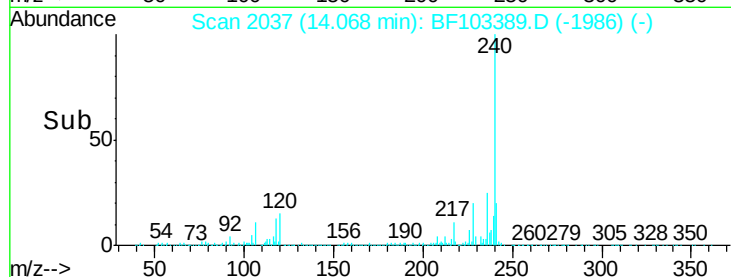
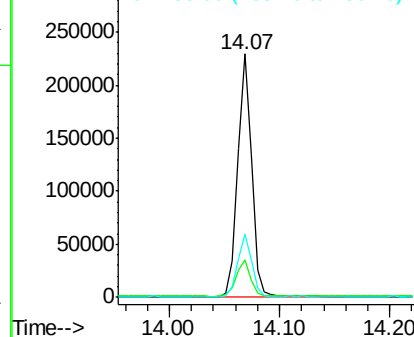


Abundance

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: 29.513 ng

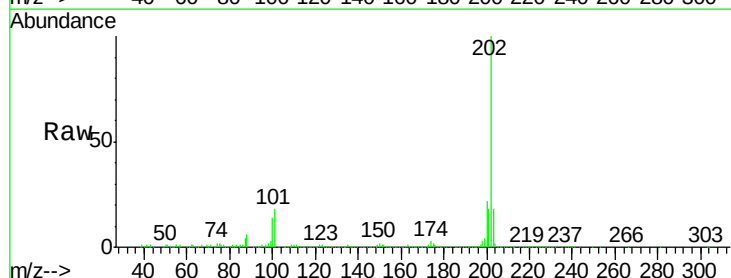
RT: 12.86 min Scan# 1832

Delta R.T. -0.01 min

Lab File: BF103389.D

Acq: 3 Mar 2018 1:53

Tgt Ion	Ratio	Lower	Upper
202	100		
200	22.4	17.4	26.2
203	18.2	14.3	21.5

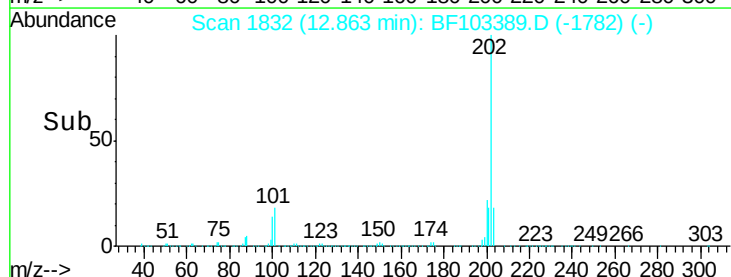
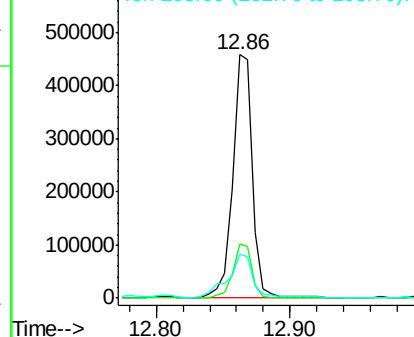


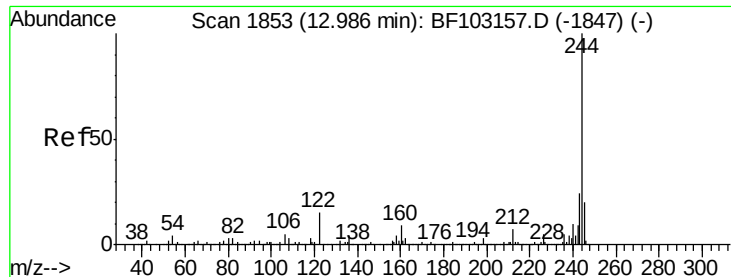
Abundance

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: 70.044 ng

RT: 13.00 min Scan# 1855

Delta R.T. -0.00 min

Lab File: BF103389.D

Acq: 3 Mar 2018 1:53

Instrument :

BNA_F

ClientSampled :

SP-19

Tot Ion:244 Resp: 599622

Ion Ratio Lower Upper

244 100

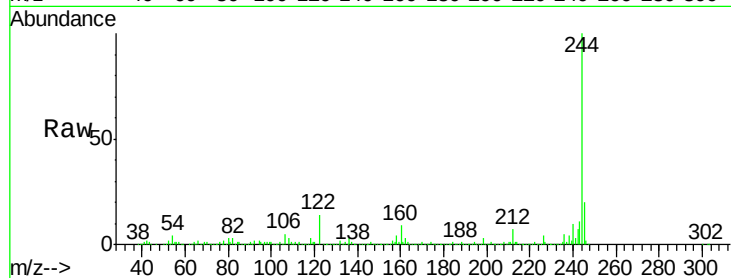
212 7.0 5.4 8.0

122 14.3 11.0 16.4

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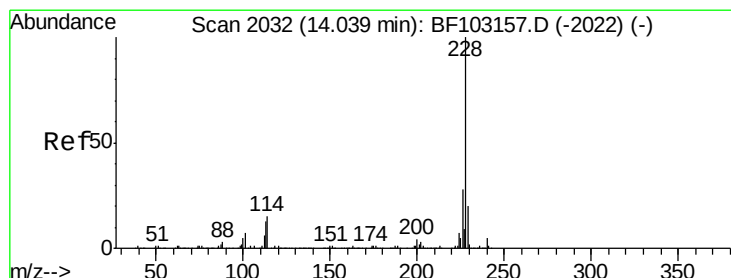
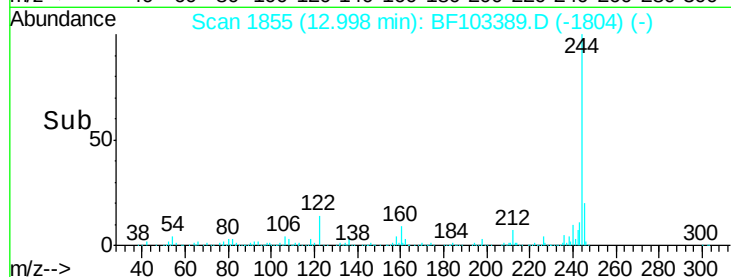
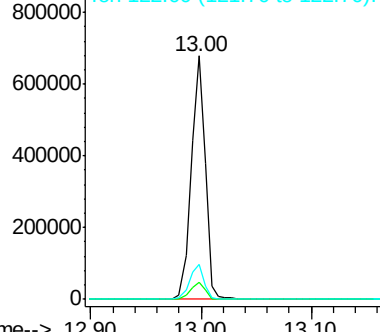
3/5/2018 3:14:14 PM



Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E



#80

Benzo(a)anthracene

Concen: 16.575 ng

RT: 14.06 min Scan# 2035

Delta R.T. -0.00 min

Lab File: BF103389.D

Acq: 3 Mar 2018 1:53

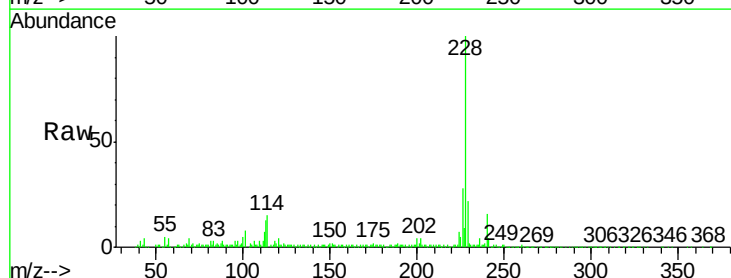
Tgt Ion:228 Resp: 221306

Ion Ratio Lower Upper

228 100

226 28.3 22.6 33.8

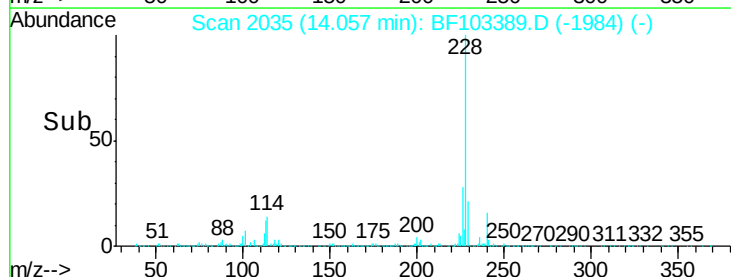
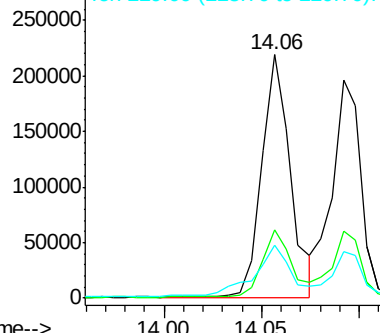
229 21.9 15.8 23.6

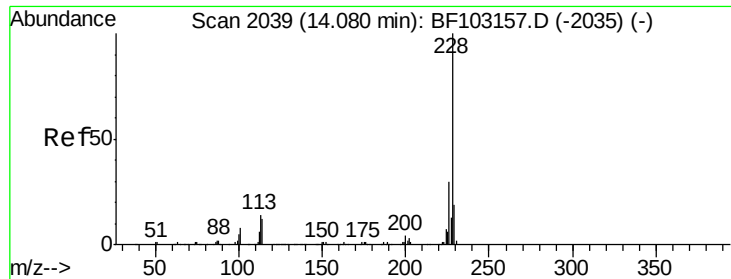


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#82

Chrysene

Concen: 15.555 ng

RT: 14.09 min Scan# 2041

Delta R.T. -0.01 min

Lab File: BF103389.D

Acq: 3 Mar 2018 1:53

Instrument :

BNA_F

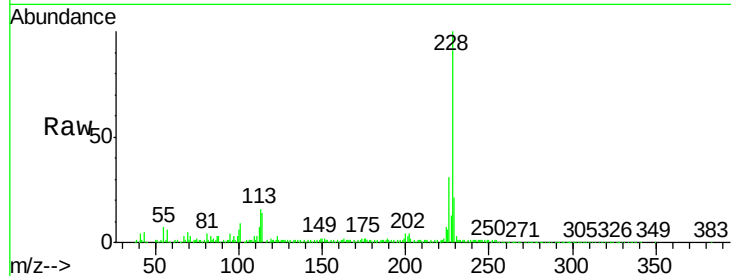
ClientSampled :

SP-19

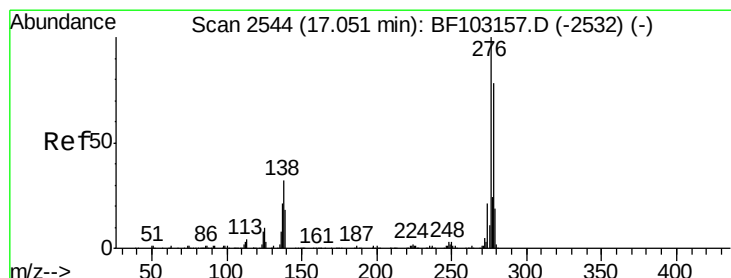
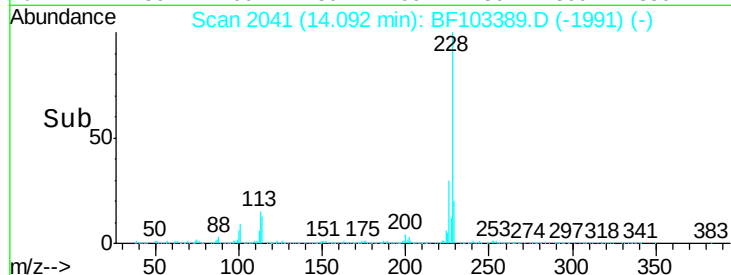
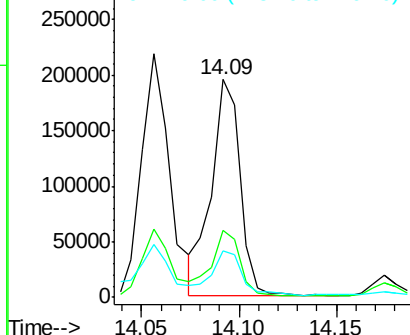
Tot Ion:	228	Resp:	201668
Ion Ratio	Lower	Upper	
228	100		
226	30.8	25.0	37.6
229	21.1	16.2	24.4

Manual Integrations
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Sohil
3/5/2018 3:14:14 PM



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



#85

Indeno(1,2,3-cd)pyrene

Concen: 6.899 ng

RT: 17.12 min Scan# 2556

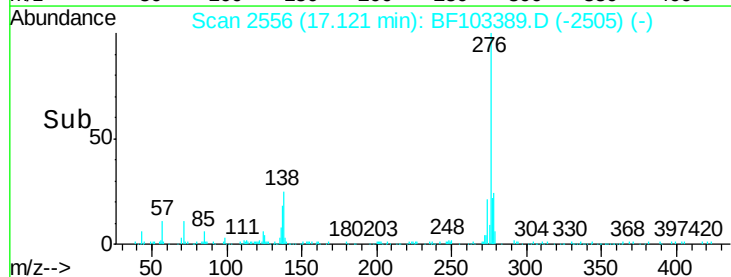
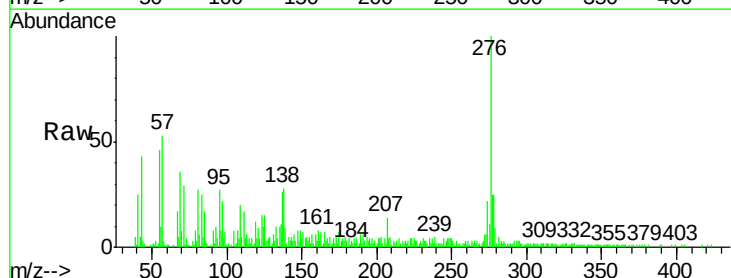
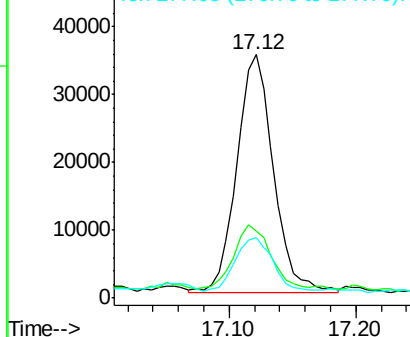
Delta R.T. -0.00 min

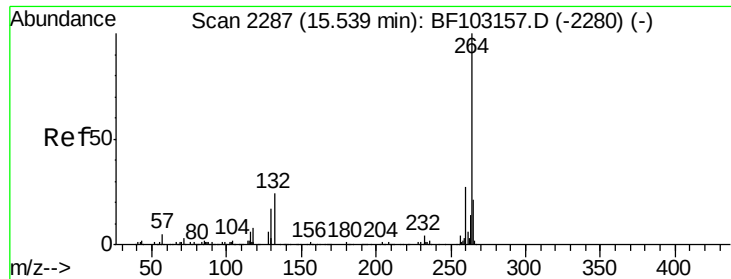
Lab File: BF103389.D

Acq: 3 Mar 2018 1:53

Tgt Ion:	276	Resp:	70809
Ion Ratio	Lower	Upper	
276	100		
138	29.0	25.0	37.6
277	23.3	20.1	30.1

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





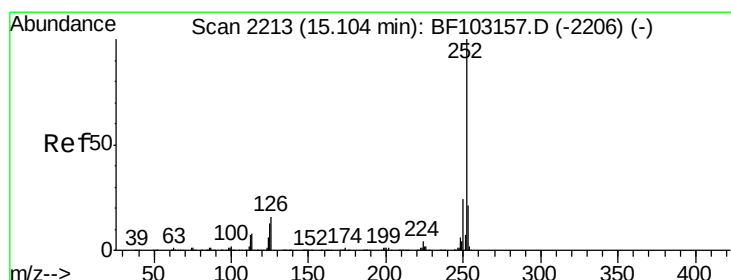
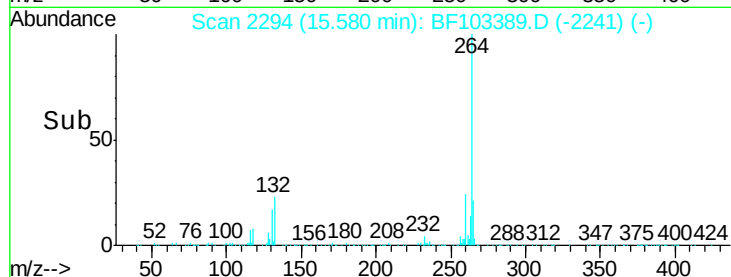
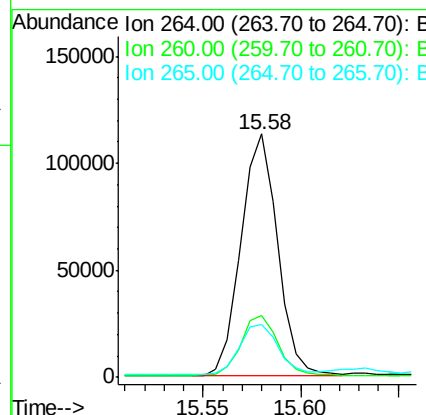
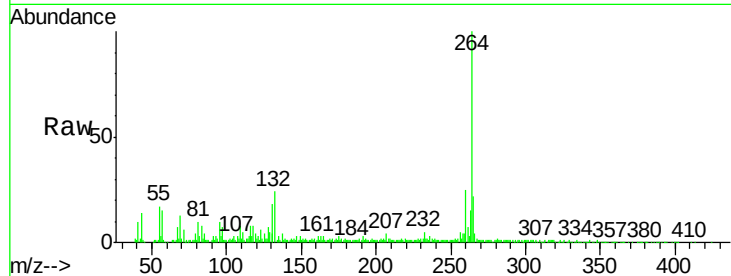
#86
Pervlene-d12
Concen: 20.000 ng
RT: 15.58 min Scan# 2294
Delta R.T. 0.01 min
Lab File: BF103389.D
Acq: 3 Mar 2018 1:53

Instrument :
BNA_F
ClientSampleId :
SP-19

Tot Ion	Ratio	Lower	Upper
264	100		
260	25.2	19.2	28.8
265	21.8	17.5	26.3

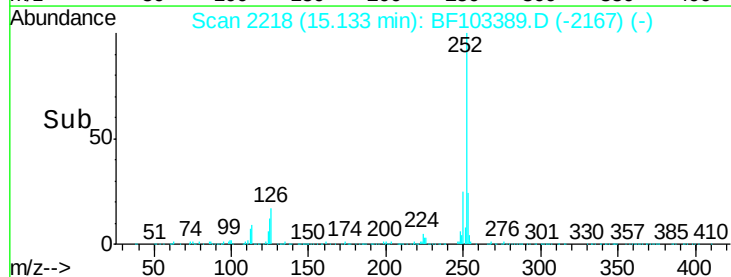
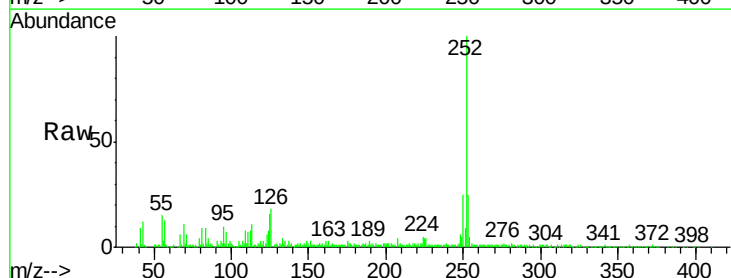
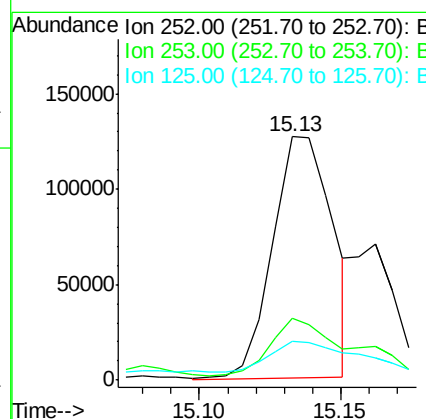
Manual Integrations
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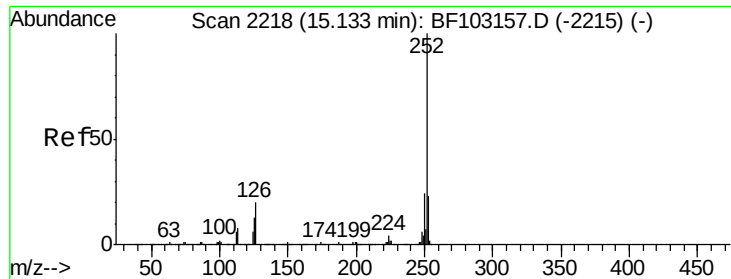
Sohil
3/5/2018 3:14:14 PM



#87
Benzo(b)fluoranthene
Concen: 19.271 ng m
RT: 15.13 min Scan# 2218
Delta R.T. -0.00 min
Lab File: BF103389.D
Acq: 3 Mar 2018 1:53

Tgt Ion	Ratio	Lower	Upper
252	100		
253	25.2	17.0	25.6
125	15.7	9.0	13.6#





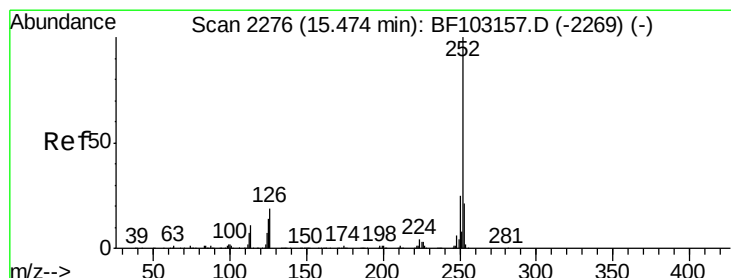
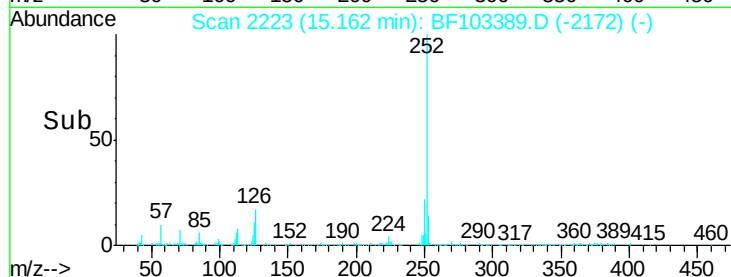
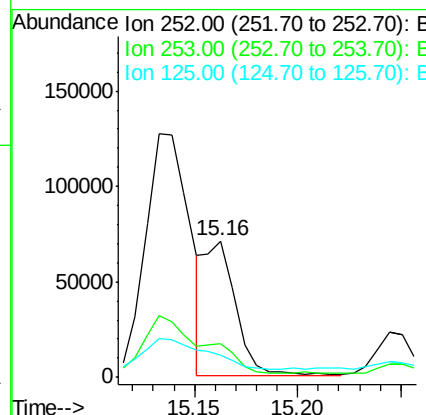
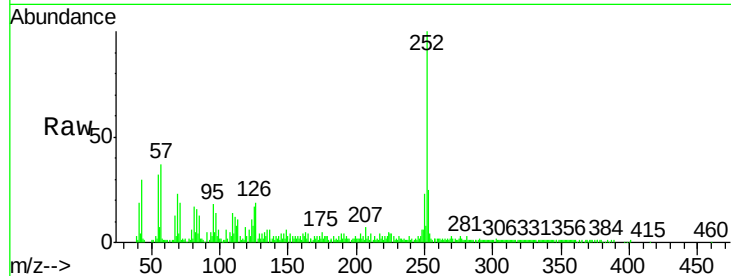
#88
Benzo(k)fluoranthene
Concen: 8.077 ng m
RT: 15.16 min Scan# 2223
Delta R.T. -0.00 min
Lab File: BF103389.D
Acq: 3 Mar 2018 1:53

Instrument :
BNA_F
ClientSampled :
SP-19

Tot Ion	Ratio	Lower	Upper
252	100		
253	24.7	17.9	26.9
125	16.6	10.2	15.2

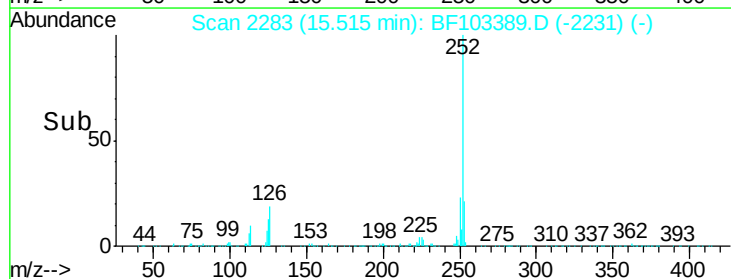
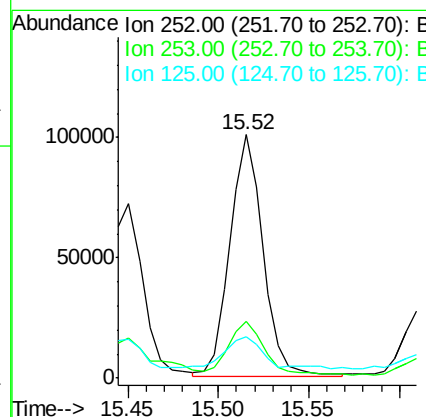
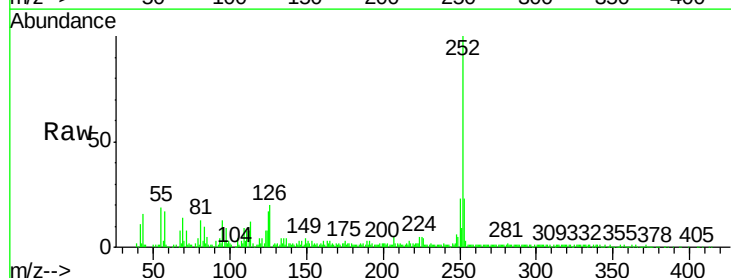
Manual Integrations
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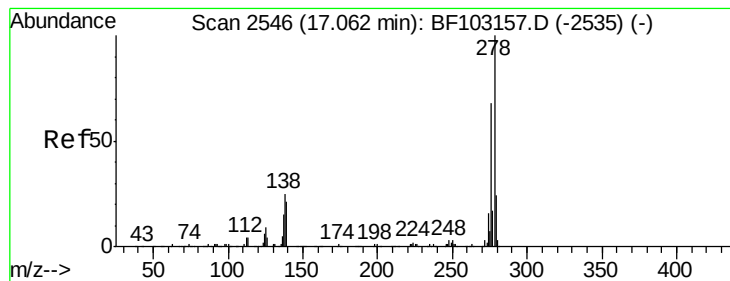
Sohil
3/5/2018 3:14:14 PM



#89
Benzo(a)pyrene
Concen: 14.605 ng
RT: 15.52 min Scan# 2283
Delta R.T. 0.01 min
Lab File: BF103389.D
Acq: 3 Mar 2018 1:53

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.1	17.1	25.7
125	17.3	9.8	14.6





#90

Dibenzo(a,h)anthracene

Concen: 2.866 ng

RT: 17.12 min Scan# 2556

Delta R.T. -0.00 min

Lab File: BF103389.D

Acq: 3 Mar 2018 1:53

Instrument :

BNA_F

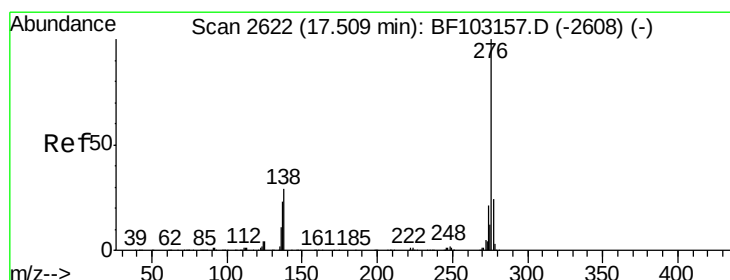
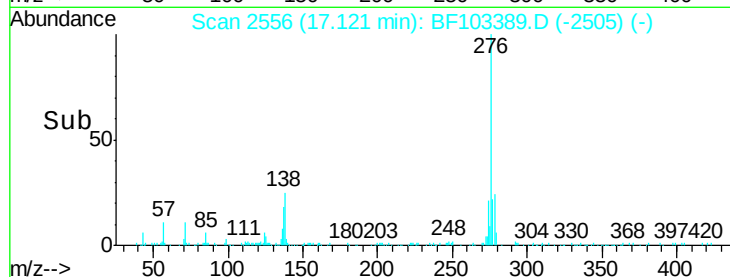
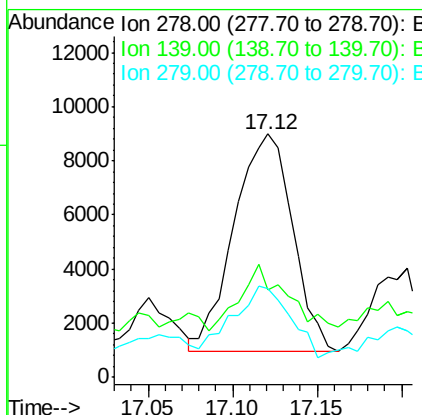
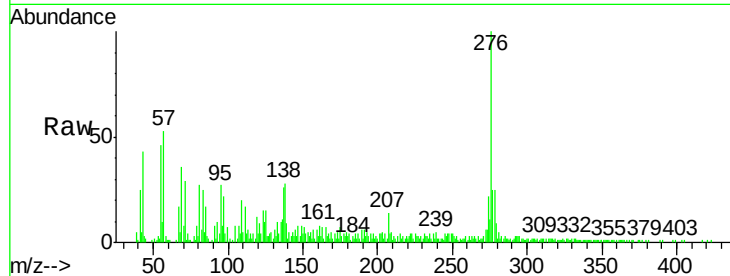
ClientSampleId :

SP-19

Tot Ion:	278	Resp:	19248
Ion Ratio	Lower	Upper	
278	100		
139	35.8	15.9	23.9#
279	36.2	19.0	28.4#

Manual Integrations
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Sohil
3/5/2018 3:14:14 PM



#91

Benzo(g,h,i)perylene

Concen: 10.053 ng

RT: 17.59 min Scan# 2636

Delta R.T. 0.01 min

Lab File: BF103389.D

Acq: 3 Mar 2018 1:53

Tgt Ion:	276	Resp:	65979
Ion Ratio	Lower	Upper	
276	100		
277	27.6	17.9	26.9#
138	34.3	21.8	32.8#

