

Data Path : Z:\HPCHEM1\BNA F\DATA\BF030218\
 Data File : BF103377.D
 Acq On : 2 Mar 2018 20:37
 Operator : SJ/JU
 Sample : J1721-01
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SP-48

Manual Integrations
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 3/5/2018 3:13:39 PM

Quant Time: Mar 02 23:06:13 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	139863	20.00	ng	0.00
21) Naphthalene-d8	8.16	136	597271	20.00	ng	0.00
38) Acenaphthene-d10	9.92	164	247034	20.00	ng	0.00
63) Phenanthrene-d10	11.41	188	320122	20.00	ng	0.00
75) Chrysene-d12	14.06	240	223178	20.00	ng	0.00
86) Perylene-d12	15.57	264	184004	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.50	112	1000462	108.19	ng	0.00
7) Phenol-d6	6.52	99	1160282	102.54	ng	0.00
23) Nitrobenzene-d5	7.45	82	786773	75.23	ng	0.00
41) 2,4,6-Tribromophenol	10.71	330	167508	80.11	ng	0.00
44) 2-Fluorobiphenyl	9.23	172	1033549	68.84	ng	0.00
78) Terphenyl-d14	12.99	244	599045	64.52	ng	0.00
Target Compounds						
49) Dimethylphthalate	9.63	163	122211	6.167	ng	99
70) Phenanthrene	11.43	178	215523	12.234	ng	98
71) Anthracene	11.49	178	66366	3.674	ng	98
74) Fluoranthene	12.63	202	297874	16.826	ng	98
77) Pyrene	12.86	202	269964	15.515	ng	99
80) Benzo(a)anthracene	14.05	228	140707	9.717	ng	98
82) Chrysene	14.09	228	127919	9.098	ng	97
85) Indeno(1,2,3-cd)pyrene	17.11	276	45678	4.104	ng	95
87) Benzo(b)fluoranthene	15.13	252	135674m	11.214	ng	
88) Benzo(k)fluoranthene	15.16	252	57796m	5.073	ng	
89) Benzo(a)pyrene	15.51	252	96639	8.945	ng	# 92
91) Benzo(a,h,i)perylene	17.58	276	44525	5.457	ng	# 84

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



#1

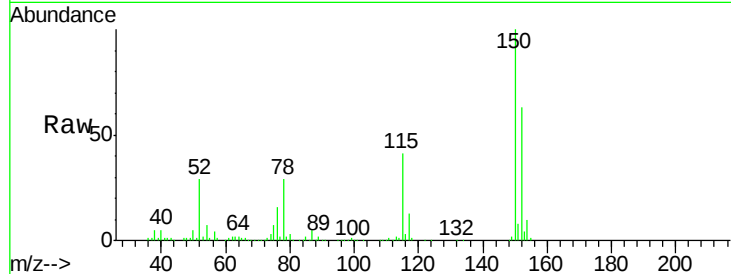
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.87 min Scan# 814
Delta R.T. -0.00 min
Lab File: BF103377.D
Acq: 2 Mar 2018 20:37

Instrument :
BNA_F
ClientSampled :
SP-48

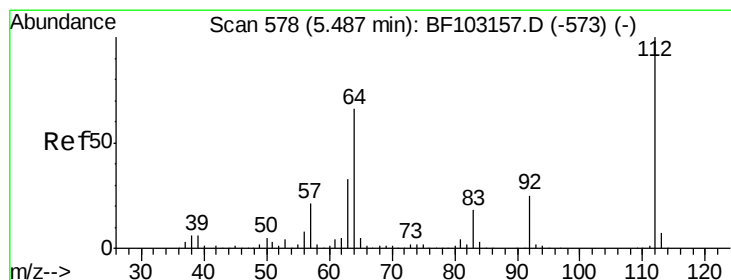
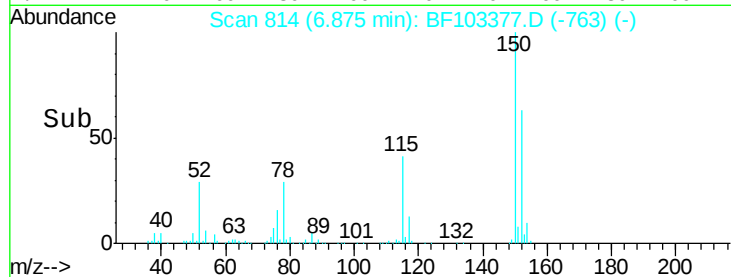
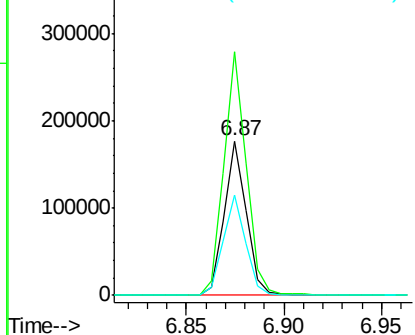
Tot Ion	Ratio	Lower	Upper
152	100		
150	158.0	124.6	186.8
115	65.3	50.1	75.1

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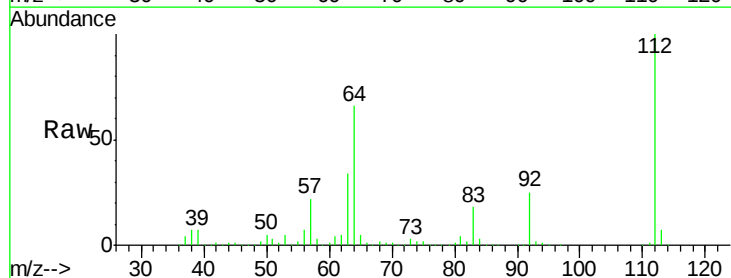
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



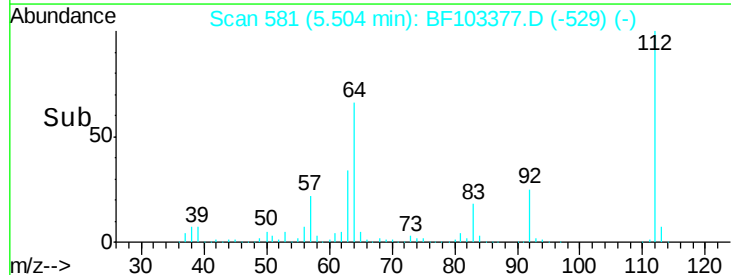
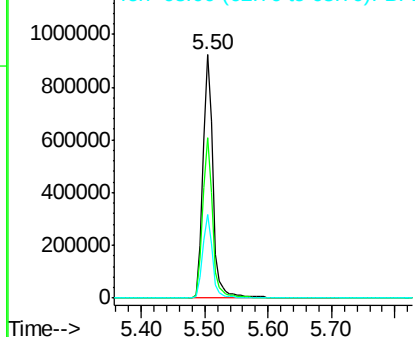
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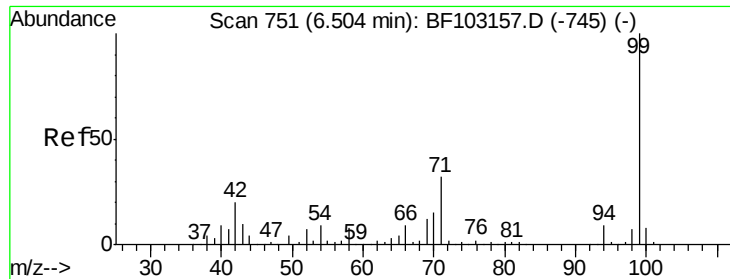
2-Fluorophenol
Concen: 108.186 ng
RT: 5.50 min Scan# 581
Delta R.T. 0.01 min
Lab File: BF103377.D
Acq: 2 Mar 2018 20:37

Tgt Ion	Ratio	Lower	Upper
112	100		
64	65.9	47.9	71.9
63	34.3	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: 102.536 ng

RT: 6.52 min Scan# 753

Delta R.T. -0.00 min

Lab File: BF103377.D

Acq: 2 Mar 2018 20:37

Instrument :

BNA_F

ClientSampled :

SP-48

Tot Ion: 99 Resp: 1160282

Ion Ratio Lower Upper

99 100

42 19.9 14.5 21.7

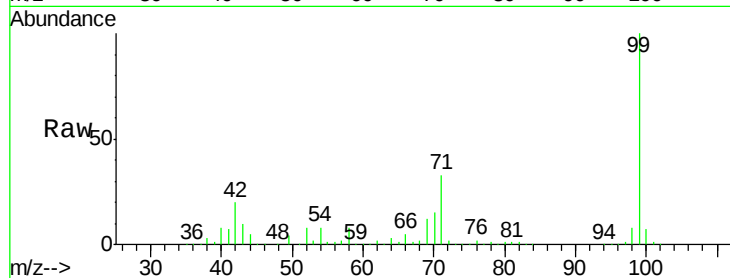
71 32.6 25.4 38.0

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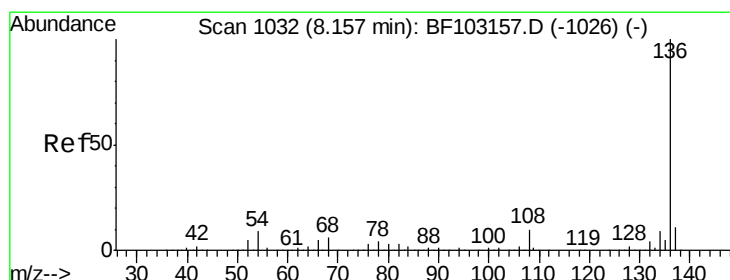
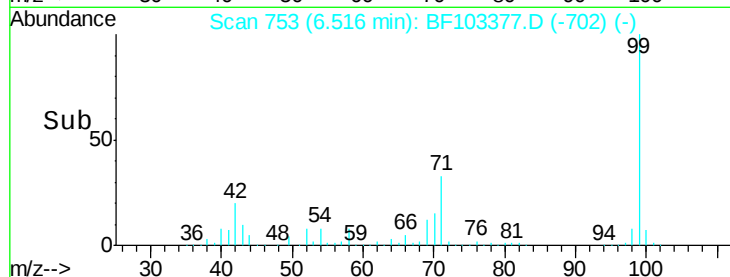
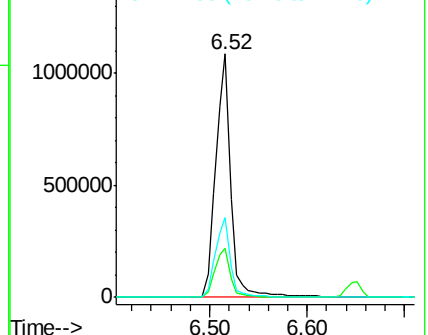
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Abundance Ion 99.00 (98.70 to 99.70): BF1
Ion 42.00 (41.70 to 42.70): BF1
Ion 71.00 (70.70 to 71.70): BF1



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.16 min Scan# 1032

Delta R.T. -0.01 min

Lab File: BF103377.D

Acq: 2 Mar 2018 20:37

Tgt Ion: 136 Resp: 597271

Ion Ratio Lower Upper

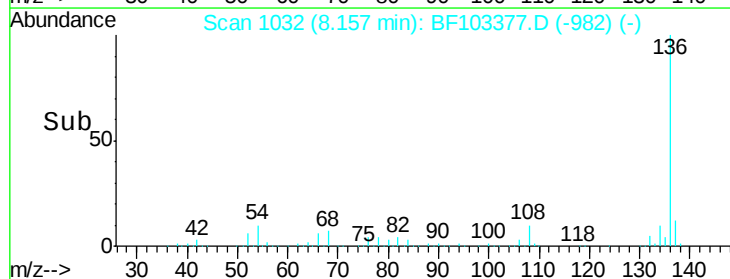
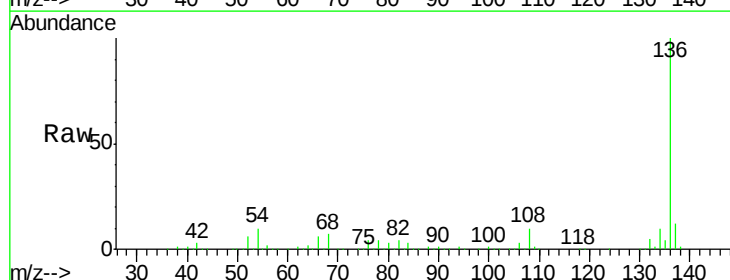
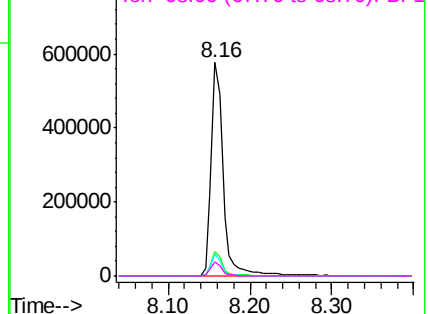
136 100

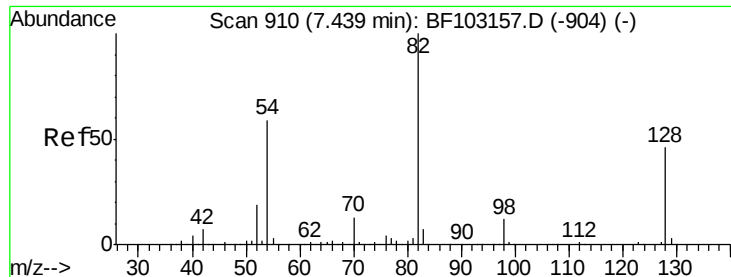
137 11.6 8.9 13.3

54 10.2 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





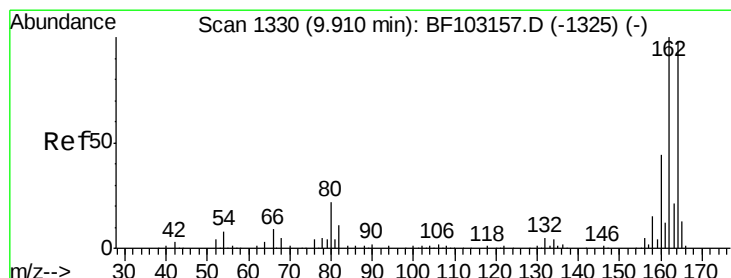
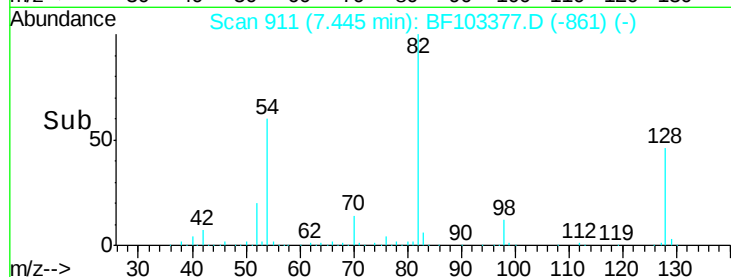
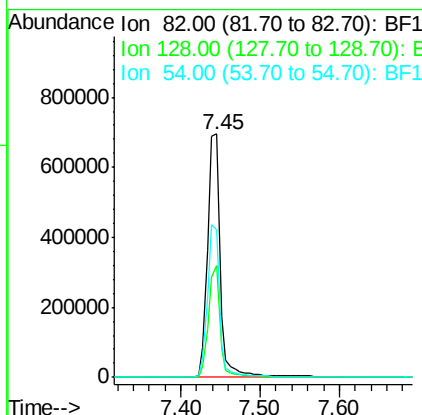
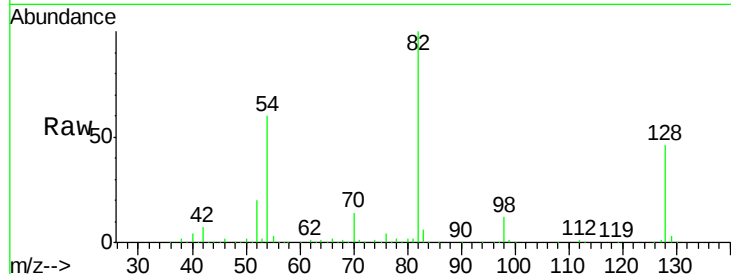
#23
Nitrobenzene-d5
Concen: 75.228 ng
RT: 7.45 min Scan# 911
Delta R.T. -0.01 min
Lab File: BF103377.D
Acq: 2 Mar 2018 20:37

Instrument :
BNA_F
ClientSampled :
SP-48

Tot Ion	Ratio	Lower	Upper
82	100		
128	45.7	36.1	54.1
54	60.4	41.4	62.2

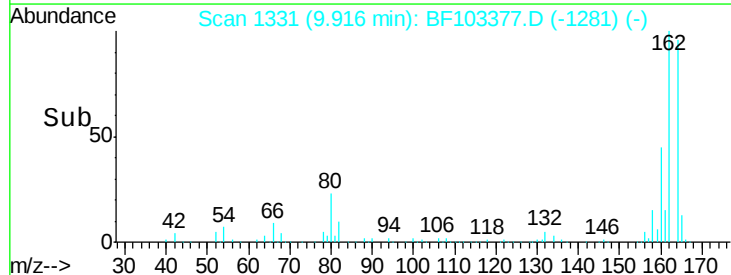
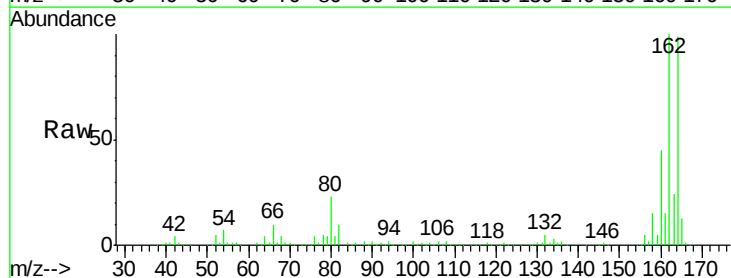
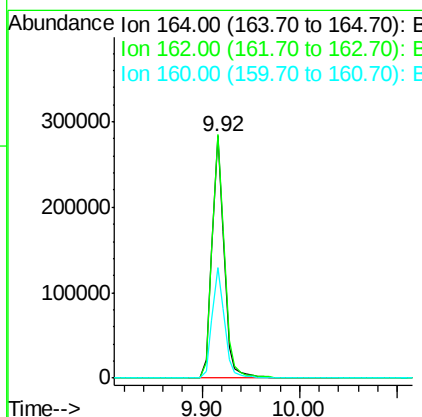
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#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.92 min Scan# 1331
Delta R.T. -0.01 min
Lab File: BF103377.D
Acq: 2 Mar 2018 20:37

Tgt Ion	Ratio	Lower	Upper
164	100		
162	100.6	86.1	129.1
160	45.5	38.3	57.5





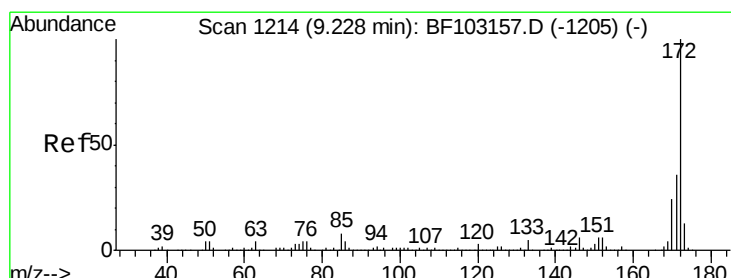
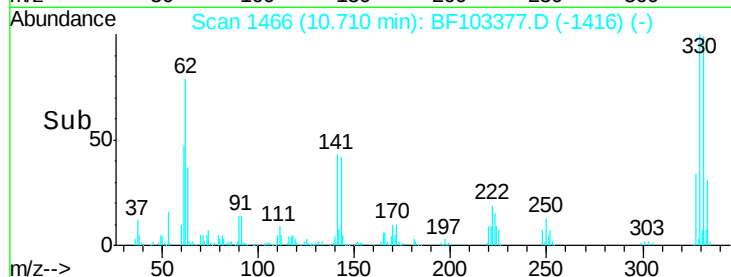
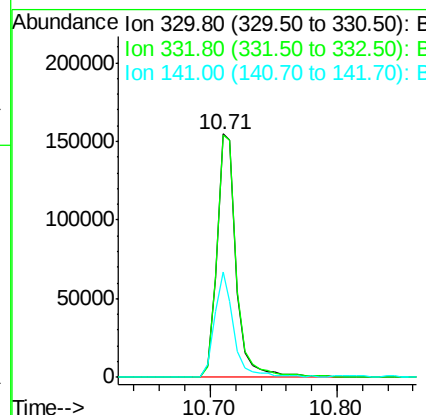
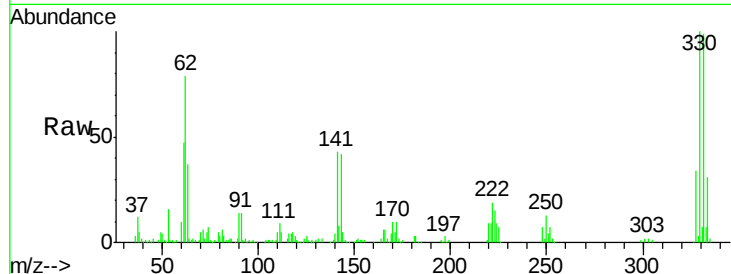
#41
 2,4,6-Tribromophenol
 Concen: 80.109 ng
 RT: 10.71 min Scan# 1466
 Delta R.T. -0.01 min
 Lab File: BF103377.D
 Acq: 2 Mar 2018 20:37

Instrument :
 BNA_F
 ClientSampleId :
 SP-48

Tot Ion	Ratio	Lower	Upper
330	100		
332	101.6	77.0	115.6
141	41.8	29.9	44.9

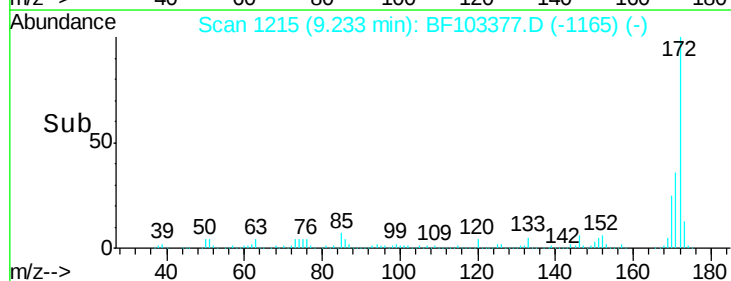
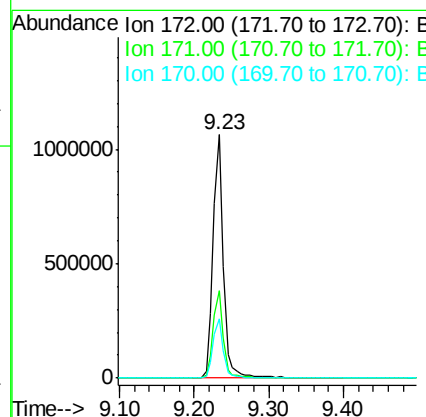
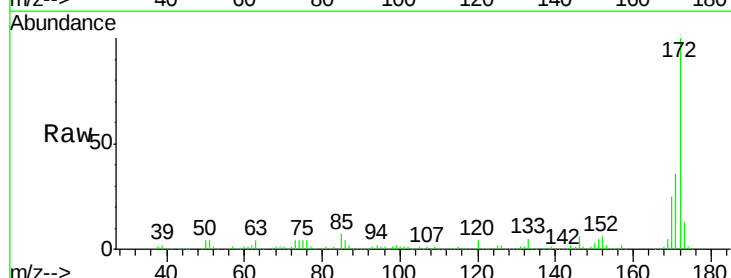
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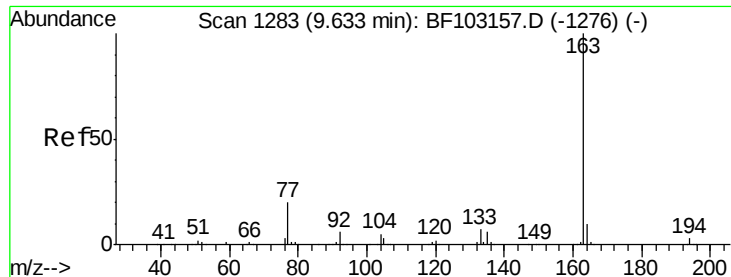
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#44
 2-Fluorobiphenyl
 Concen: 68.845 ng
 RT: 9.23 min Scan# 1215
 Delta R.T. -0.01 min
 Lab File: BF103377.D
 Acq: 2 Mar 2018 20:37

Tgt Ion	Ratio	Lower	Upper
172	100		
171	35.7	29.7	44.5
170	24.6	19.6	29.4





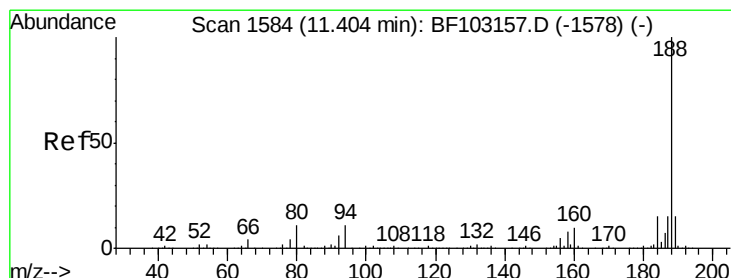
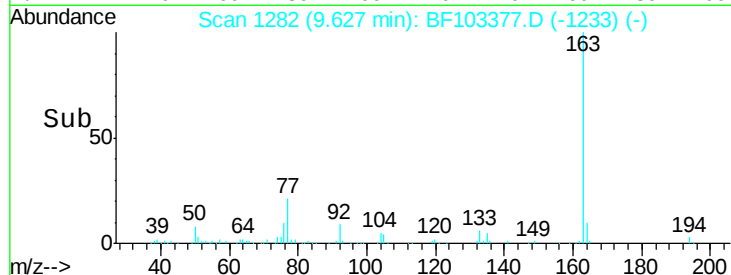
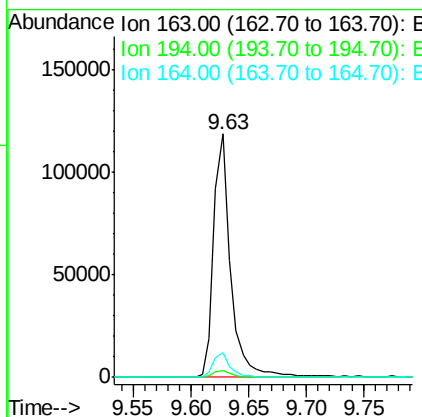
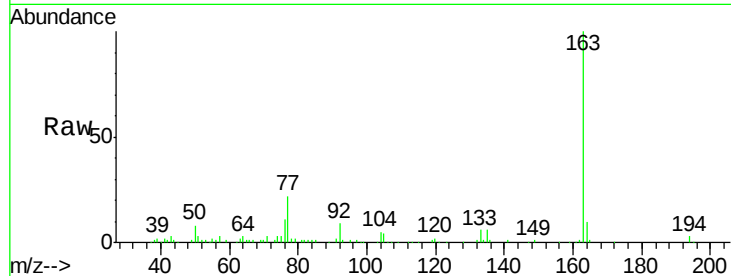
#49
Dimethylphthalate
Concen: 6.167 ng
RT: 9.63 min Scan# 1282
Delta R.T. -0.01 min
Lab File: BF103377.D
Acq: 2 Mar 2018 20:37

Instrument :
BNA_F
ClientSampleId :
SP-48

Tot Ion	Ion	Ratio	Resp	Lower	Upper
122211	163	100			
	194	3.1	2.7	4.1	
	164	9.9	8.2	12.2	

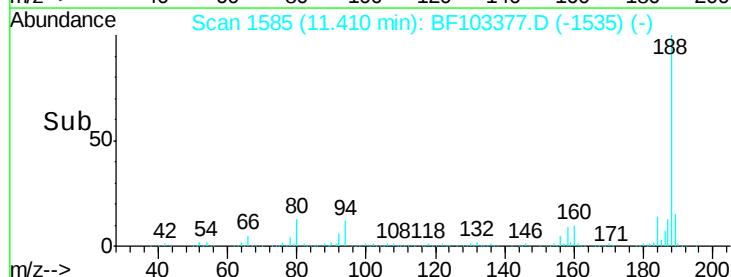
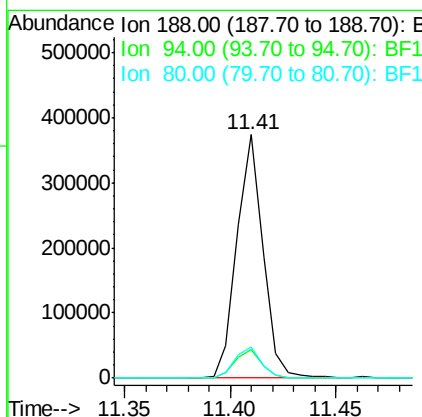
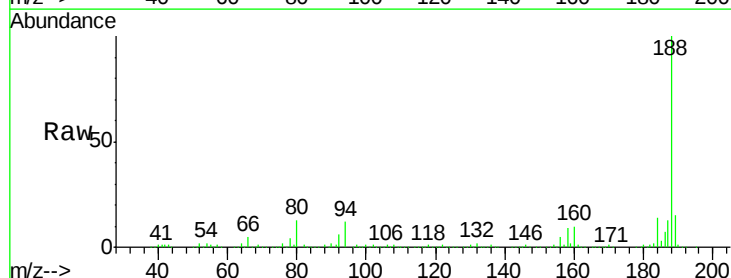
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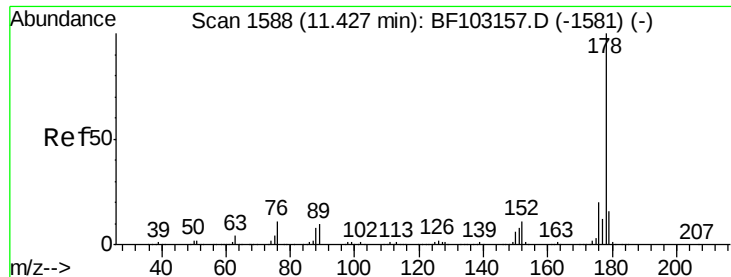
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#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.41 min Scan# 1585
Delta R.T. -0.01 min
Lab File: BF103377.D
Acq: 2 Mar 2018 20:37

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
320122	188	100			
	94	11.6	8.5	12.7	
	80	12.7	9.2	13.8	





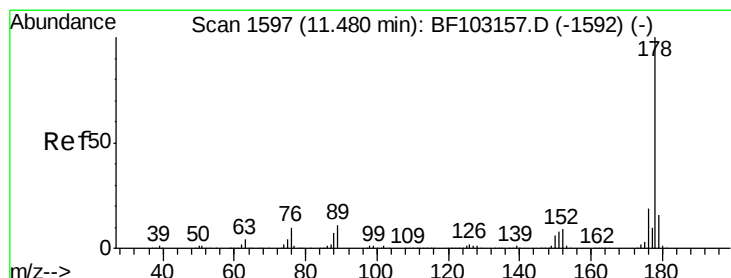
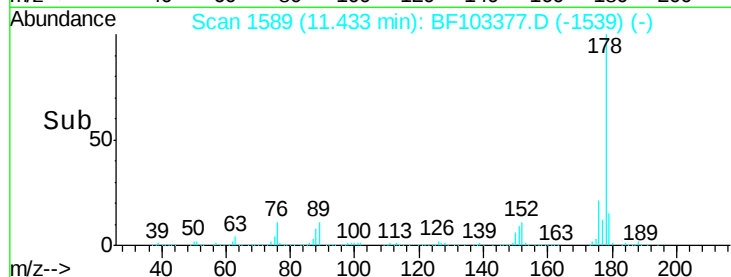
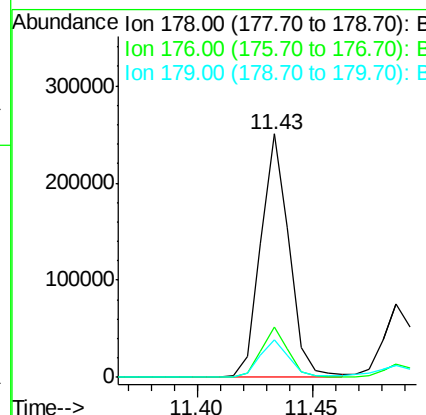
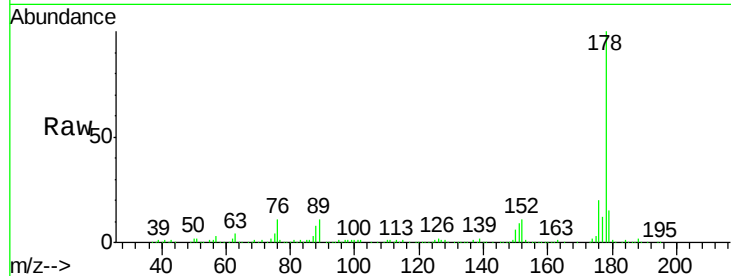
#70
Phenanthrene
Concen: 12.234 ng
RT: 11.43 min Scan# 1589
Delta R.T. -0.01 min
Lab File: BF103377.D
Acq: 2 Mar 2018 20:37

Instrument :
BNA_F
ClientSampleId :
SP-48

Tot Ion	Ratio	Lower	Upper
178	100		
176	20.5	15.8	23.8
179	15.5	13.0	19.6

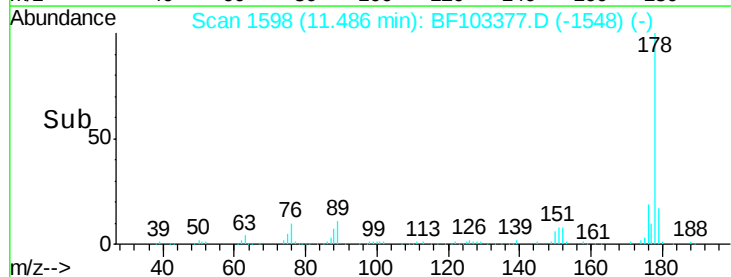
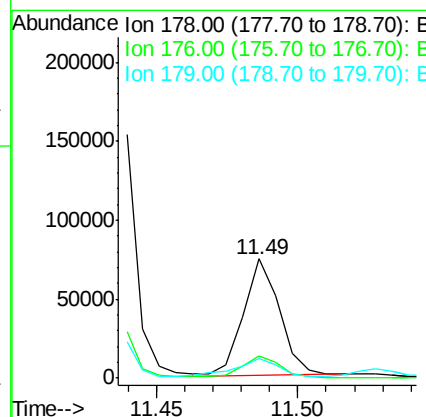
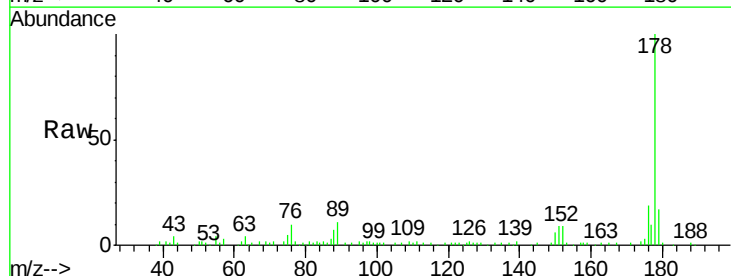
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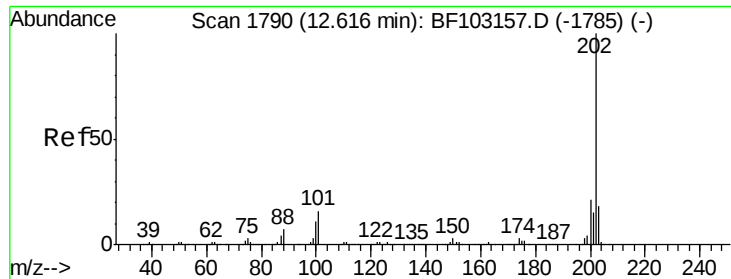
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#71
Anthracene
Concen: 3.674 ng
RT: 11.49 min Scan# 1598
Delta R.T. -0.01 min
Lab File: BF103377.D
Acq: 2 Mar 2018 20:37

Tgt Ion	Ratio	Lower	Upper
178	100		
176	18.5	15.4	23.2
179	16.9	12.6	19.0





#74

Fluoranthene

Concen: 16.826 ng

RT: 12.63 min Scan# 1792

Delta R.T. -0.01 min

Lab File: BF103377.D

Acq: 2 Mar 2018 20:37

Instrument :

BNA_F

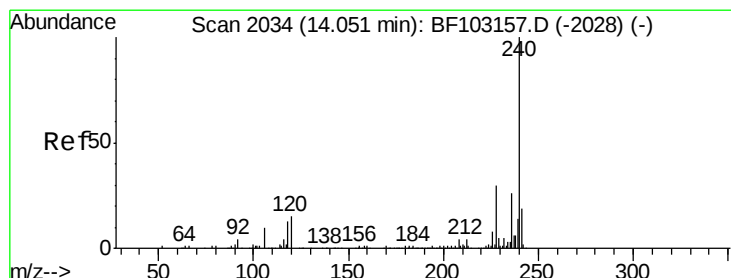
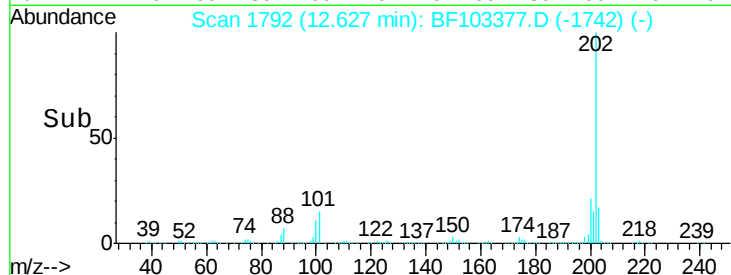
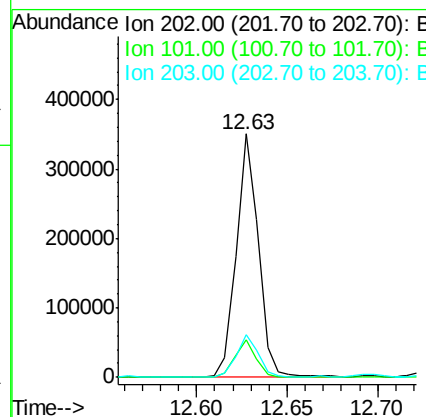
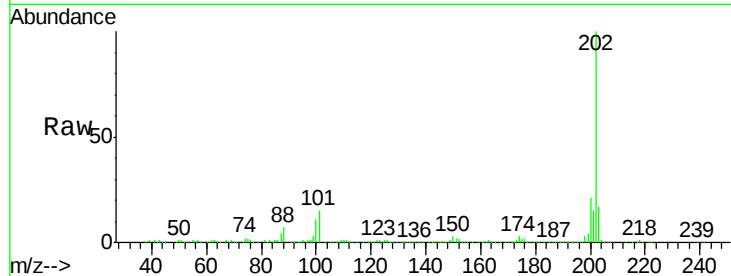
ClientSampleId :

SP-48

Tot Ion:	202	Resp:	297874
Ion Ratio	Lower	Upper	
202	100		
101	15.3	0.0	34.1
203	17.3	0.0	38.1

Manual Integrations
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#75

Chrysene-d12

Concen: 20.000 ng

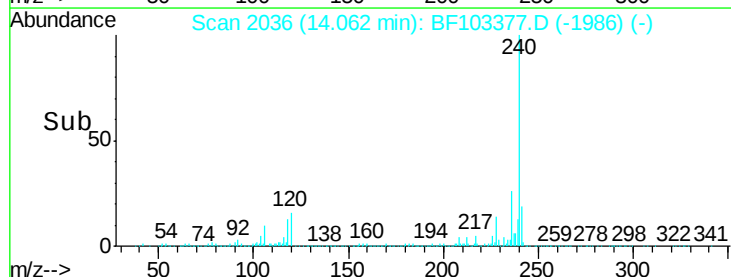
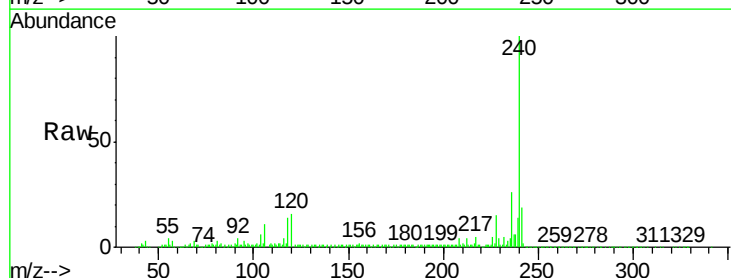
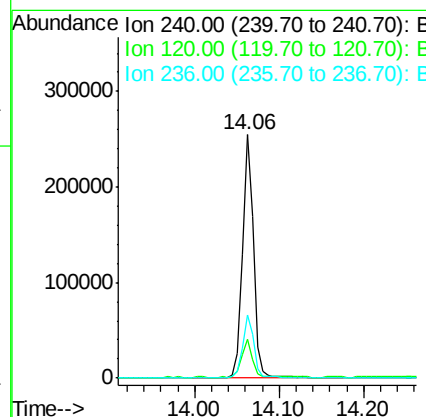
RT: 14.06 min Scan# 2036

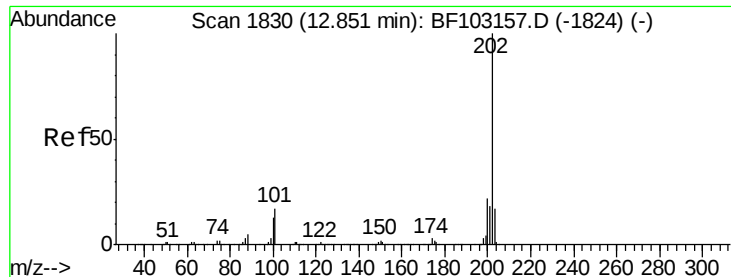
Delta R.T. -0.01 min

Lab File: BF103377.D

Acq: 2 Mar 2018 20:37

Tgt Ion:	240	Resp:	223178
Ion Ratio	Lower	Upper	
240	100		
120	15.8	9.5	14.3#
236	25.8	20.7	31.1





#77

Pvrene

Concen: 15.515 ng

RT: 12.86 min Scan# 1831

Delta R.T. -0.01 min

Lab File: BF103377.D

Acq: 2 Mar 2018 20:37

Instrument :

BNA_F

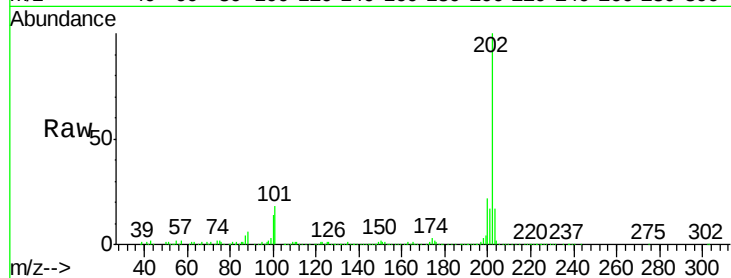
ClientSampleId :

SP-48

Tot Ion:	202	Resp:	269964
Ion Ratio		Lower	Upper
202	100		
200	21.7	17.4	26.2
203	17.3	14.3	21.5

Manual Integrations
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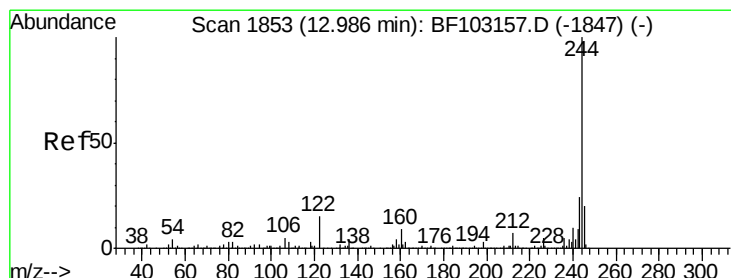
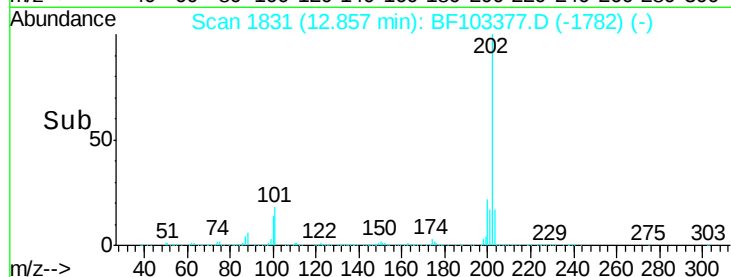
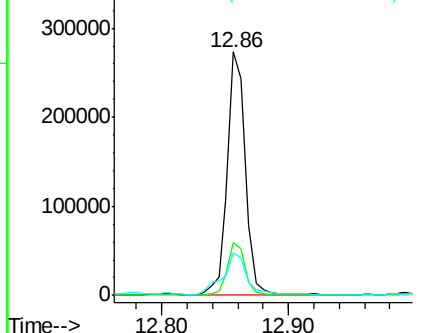
Sohil
3/5/2018 3:13:39 PM



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: 64.524 ng

RT: 12.99 min Scan# 1854

Delta R.T. -0.01 min

Lab File: BF103377.D

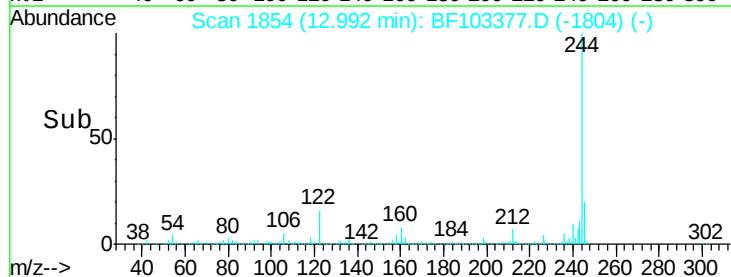
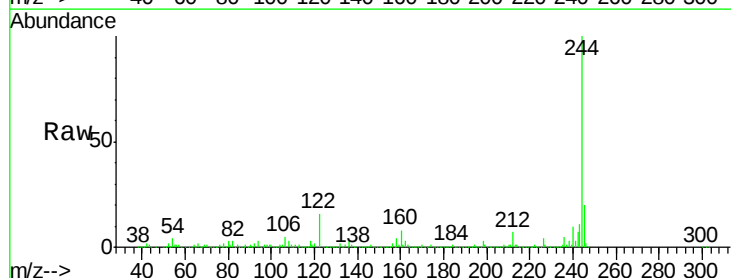
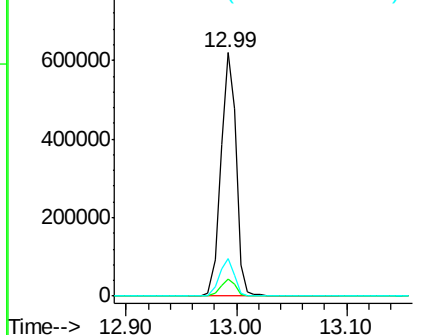
Acq: 2 Mar 2018 20:37

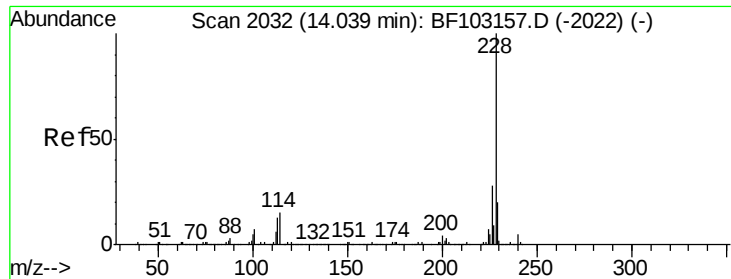
Tgt Ion:	244	Resp:	599045
Ion Ratio		Lower	Upper
244	100		
212	6.9	5.4	8.0
122	15.6	11.0	16.4

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





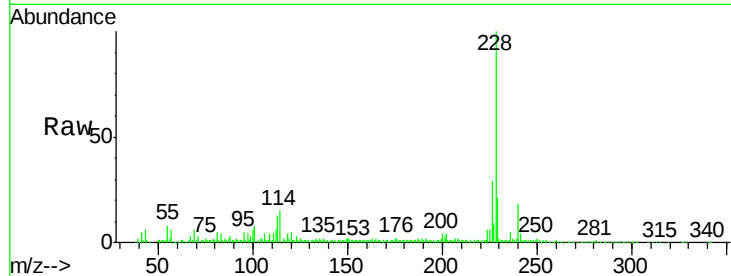
#80
Benzo(a)anthracene
Concen: 9.717 ng
RT: 14.05 min Scan# 2034
Delta R.T. -0.01 min
Lab File: BF103377.D
Acq: 2 Mar 2018 20:37

Instrument :
BNA_F
ClientSampled :
SP-48

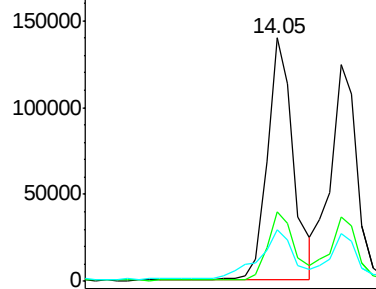
Tot Ion	Ratio	Lower	Upper
228	100		
226	28.6	22.6	33.8
229	21.5	15.8	23.6

Manual Integrations
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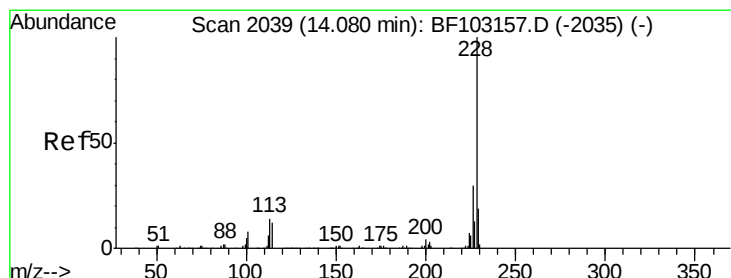
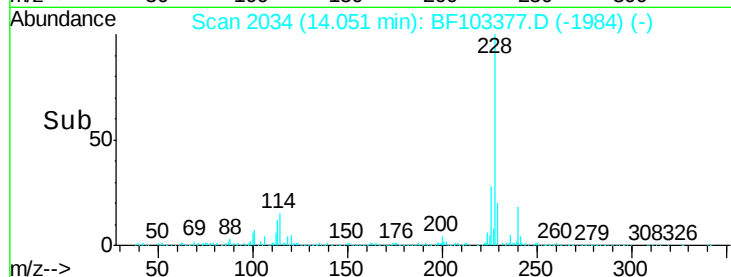
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3/5/2018 3:13:39 PM



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



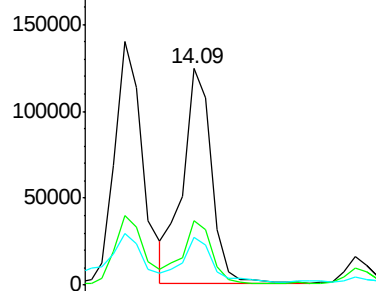
Time--> 13.95 14.00 14.05



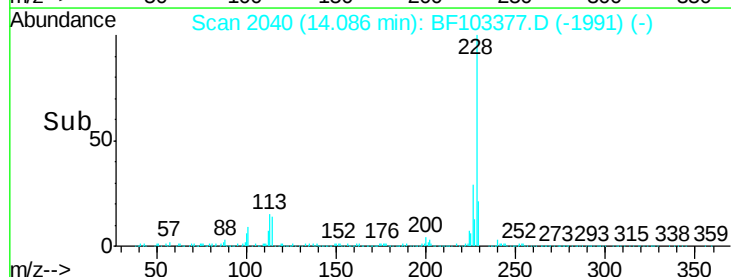
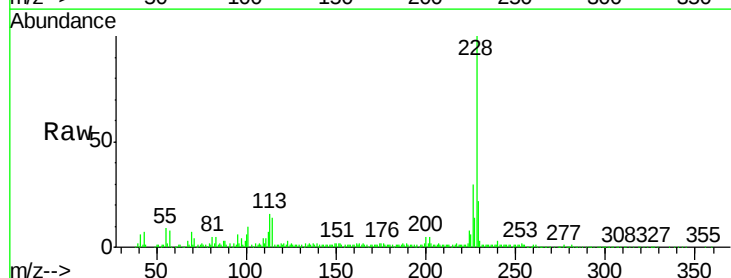
#82
Chrysene
Concen: 9.098 ng
RT: 14.09 min Scan# 2040
Delta R.T. -0.01 min
Lab File: BF103377.D
Acq: 2 Mar 2018 20:37

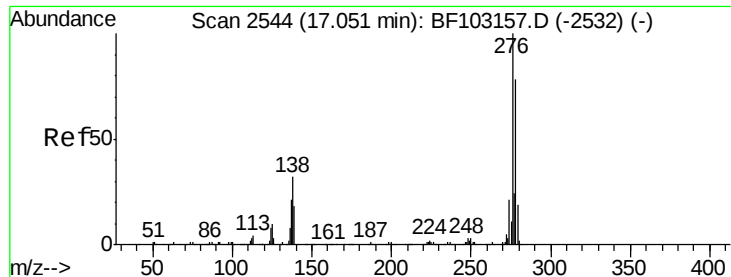
Tgt Ion	Ratio	Lower	Upper
228	100		
226	30.1	25.0	37.6
229	22.1	16.2	24.4

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



Time--> 14.05 14.10 14.15





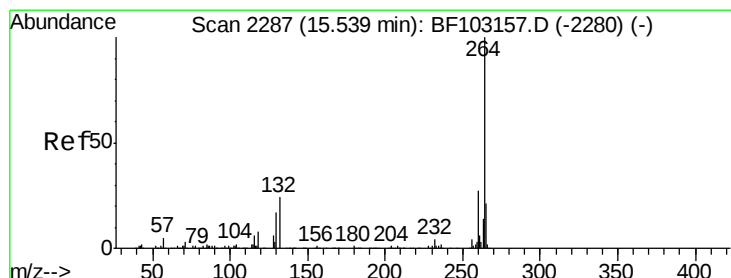
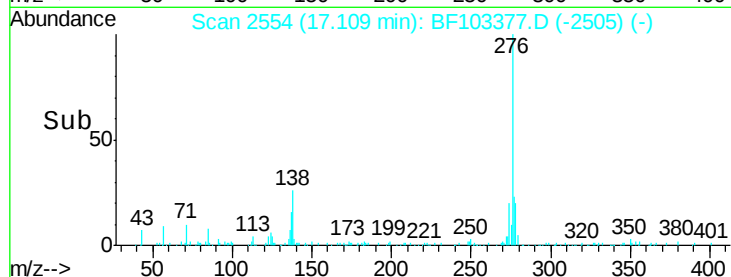
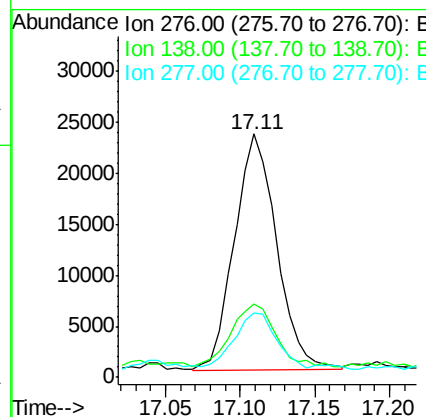
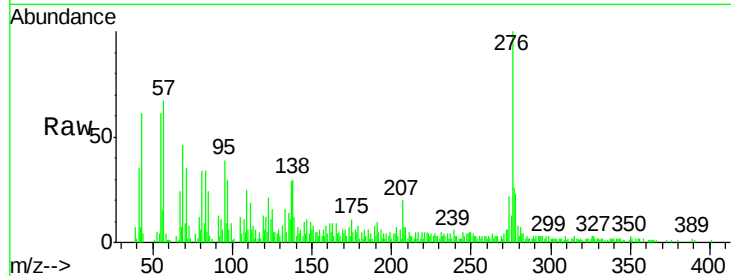
#85
Indeno(1,2,3-cd)pyrene
Concen: 4.104 ng
RT: 17.11 min Scan# 2554
Delta R.T. -0.01 min
Lab File: BF103377.D
Acq: 2 Mar 2018 20:37

Instrument :
BNA_F
ClientSampleId :
SP-48

Tot Ion	Ratio	Lower	Upper
276	100		
138	27.8	25.0	37.6
277	23.5	20.1	30.1

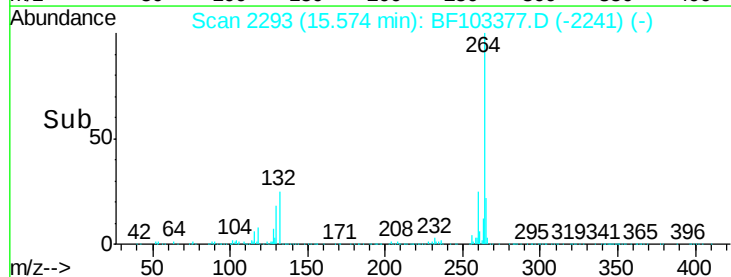
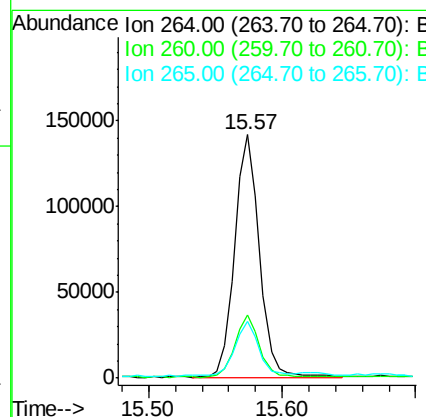
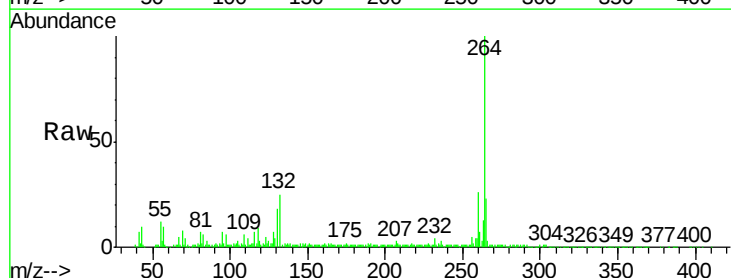
Manual Integrations
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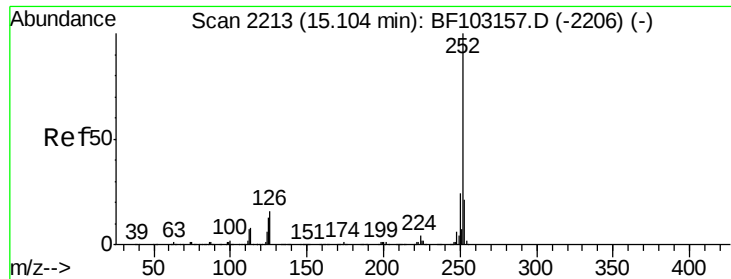
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3/5/2018 3:13:39 PM



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.57 min Scan# 2293
Delta R.T. 0.01 min
Lab File: BF103377.D
Acq: 2 Mar 2018 20:37

Tgt Ion	Ratio	Lower	Upper
264	100		
260	25.7	19.2	28.8
265	23.1	17.5	26.3





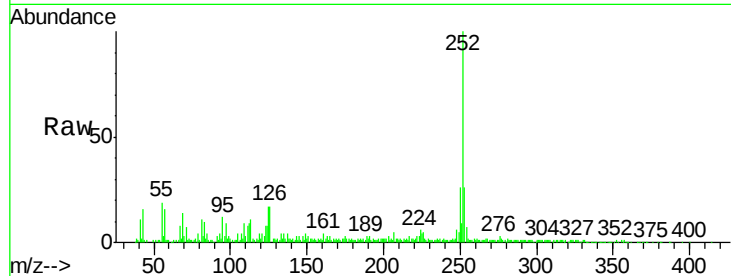
#87
Benzo(b)fluoranthene
Concen: 11.214 ng m
RT: 15.13 min Scan# 2218
Delta R.T. -0.00 min
Lab File: BF103377.D
Acq: 2 Mar 2018 20:37

Instrument :
BNA_F
ClientSampleId :
SP-48

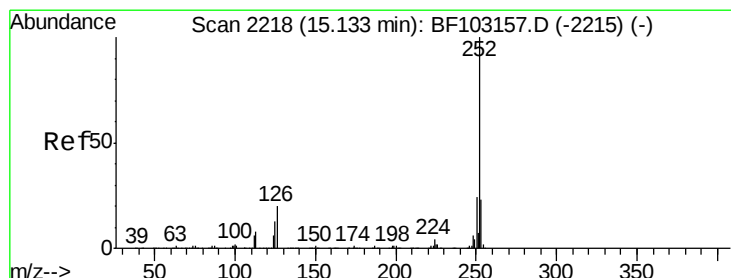
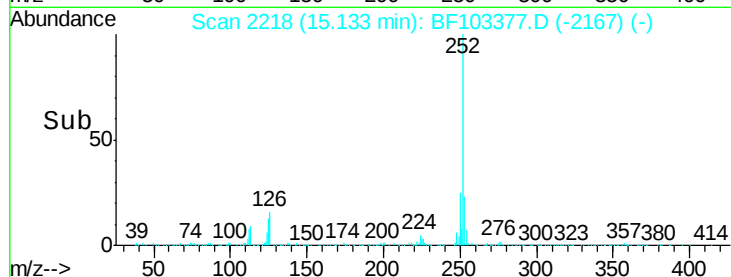
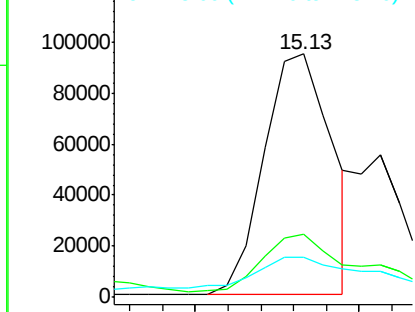
Tot Ion	Ratio	Lower	Upper
252	100		
253	25.8	17.0	25.6#
125	16.7	9.0	13.6#

Manual Integrations
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3/5/2018 3:13:39 PM

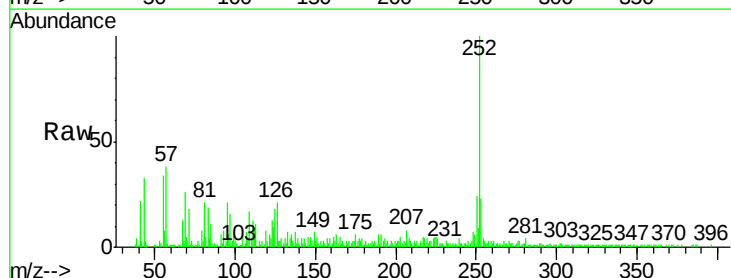


Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E

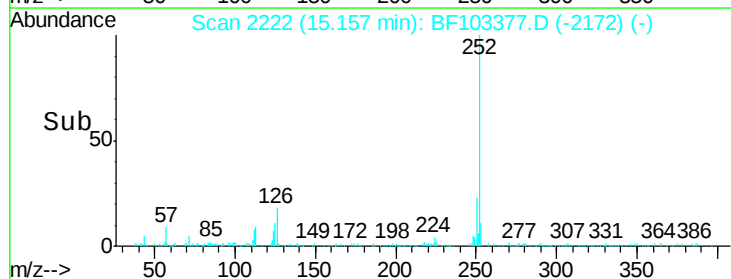
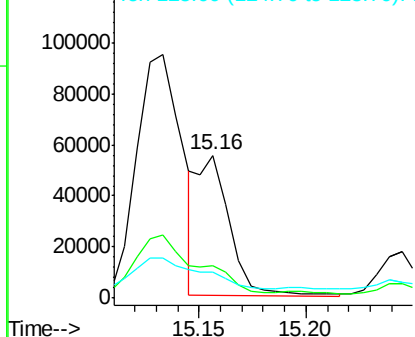


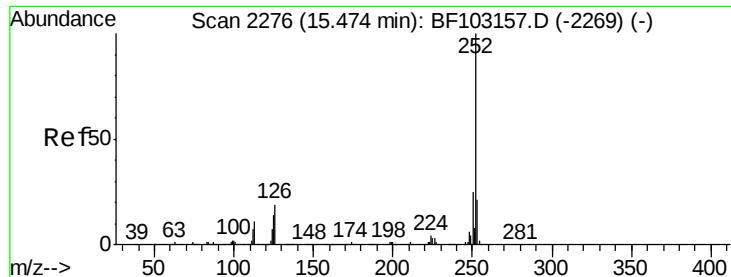
#88
Benzo(k)fluoranthene
Concen: 5.073 ng m
RT: 15.16 min Scan# 2222
Delta R.T. -0.01 min
Lab File: BF103377.D
Acq: 2 Mar 2018 20:37

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.8	17.9	26.9
125	18.4	10.2	15.2#



Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E





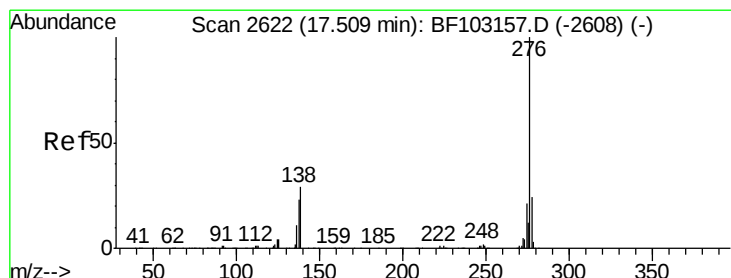
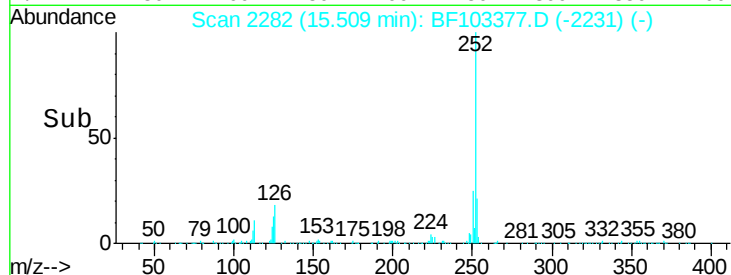
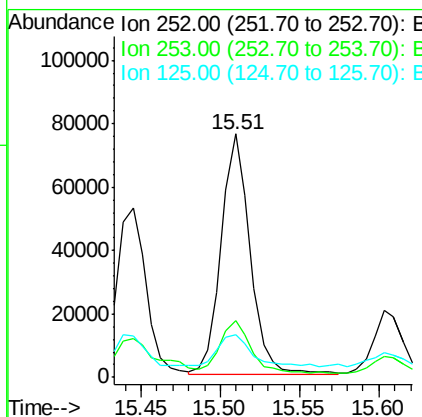
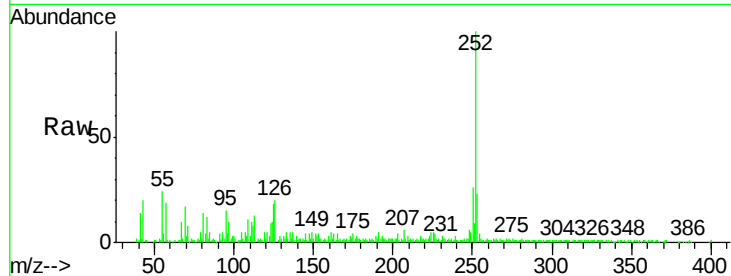
#89
Benzo(a)pyrene
Concen: 8.945 ng
RT: 15.51 min Scan# 2282
Delta R.T. -0.00 min
Lab File: BF103377.D
Acq: 2 Mar 2018 20:37

Instrument :
BNA_F
ClientSampled :
SP-48

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.3	17.1	25.7
125	17.6	9.8	14.6

Manual Integrations
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3/5/2018 3:13:39 PM



#91
Benzo(g,h,i)perylene
Concen: 5.457 ng
RT: 17.58 min Scan# 2634
Delta R.T. -0.00 min
Lab File: BF103377.D
Acq: 2 Mar 2018 20:37

Tgt Ion	Ratio	Lower	Upper
276	100		
277	26.8	17.9	26.9
138	38.3	21.8	32.8

