

Data Path : \\74.0.250.170\SV0ASRV\HPCHEM1\BNA F\DATA\BF030518\
 Data File : BF103424.D
 Acq On : 5 Mar 2018 22:15
 Operator : SJ/JU
 Sample : J1723-11
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SP-4

Manual Integrations
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Sohil
 3/6/2018 4:23:30 PM

Quant Time: Mar 06 10:14:53 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	125444	20.00	ng	0.00
21) Naphthalene-d8	8.16	136	542349	20.00	ng	0.00
38) Acenaphthene-d10	9.92	164	206310	20.00	ng	0.00
63) Phenanthrene-d10	11.41	188	318679	20.00	ng	0.00
75) Chrysene-d12	14.07	240	202523	20.00	ng	0.00
86) Perylene-d12	15.59	264	141665	20.00	ng	0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.50	112	843273	101.67	ng	0.00
7) Phenol-d6	6.52	99	977598	96.32	ng	0.00
23) Nitrobenzene-d5	7.44	82	608088	64.03	ng	-0.01
41) 2,4,6-Tribromophenol	10.72	330	124026	71.02	ng	0.00
44) 2-Fluorobiphenyl	9.23	172	795485	62.23	ng	-0.01
78) Terphenyl-d14	12.99	244	520884	61.83	ng	0.00
Target Compounds						
9) Benzaldehyde	6.45	77	696	Below Cal		Qvalue # 39
10) Phenol	6.53	94	29273	2.485	ng	# 39
19) n-Nitroso-di-n-propylamine	7.44	70	81932	12.971	ng	# 81
25) Isophorone	7.44	82	608084	32.511	ng	# 64
49) Dimethylphthalate	9.62	163	52741	3.187	ng	# 98
50) 2,6-Dinitrotoluene	9.92	165	27515	7.922	ng	# 26
55) 4-Nitrophenol	10.12	139	5539	2.028	ng	# 20
56) 2,4-Dinitrotoluene	9.92	165	27515	6.264	ng	# 24
64) 4,6-Dinitro-2-methylphenol	10.72	198	126	5.004	ng	# 1
66) 4-Bromophenyl-phenylether	10.72	248	8864	2.670	ng	# 1
70) Phenanthrene	11.43	178	189150	10.785	ng	# 98
71) Anthracene	11.49	178	55812	3.103	ng	# 100
74) Fluoranthene	12.63	202	327096	18.560	ng	# 99
77) Pyrene	12.86	202	303899	19.246	ng	# 100
80) Benzo(a)anthracene	14.06	228	147784	11.247	ng	# 97
82) Chrysene	14.09	228	130106	10.197	ng	# 97
85) Indeno(1,2,3-cd)pyrene	17.13	276	44789	4.434	ng	# 99
87) Benzo(b)fluoranthene	15.14	252	170673	18.324	ng	# 90
88) Benzo(k)fluoranthene	15.14	252	170673	19.459	ng	# 93
89) Benzo(a)pyrene	15.52	252	88002	10.580	ng	# 88
91) Benzo(a,h,i)perylene	17.60	276	44905	7.149	ng	# 93

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

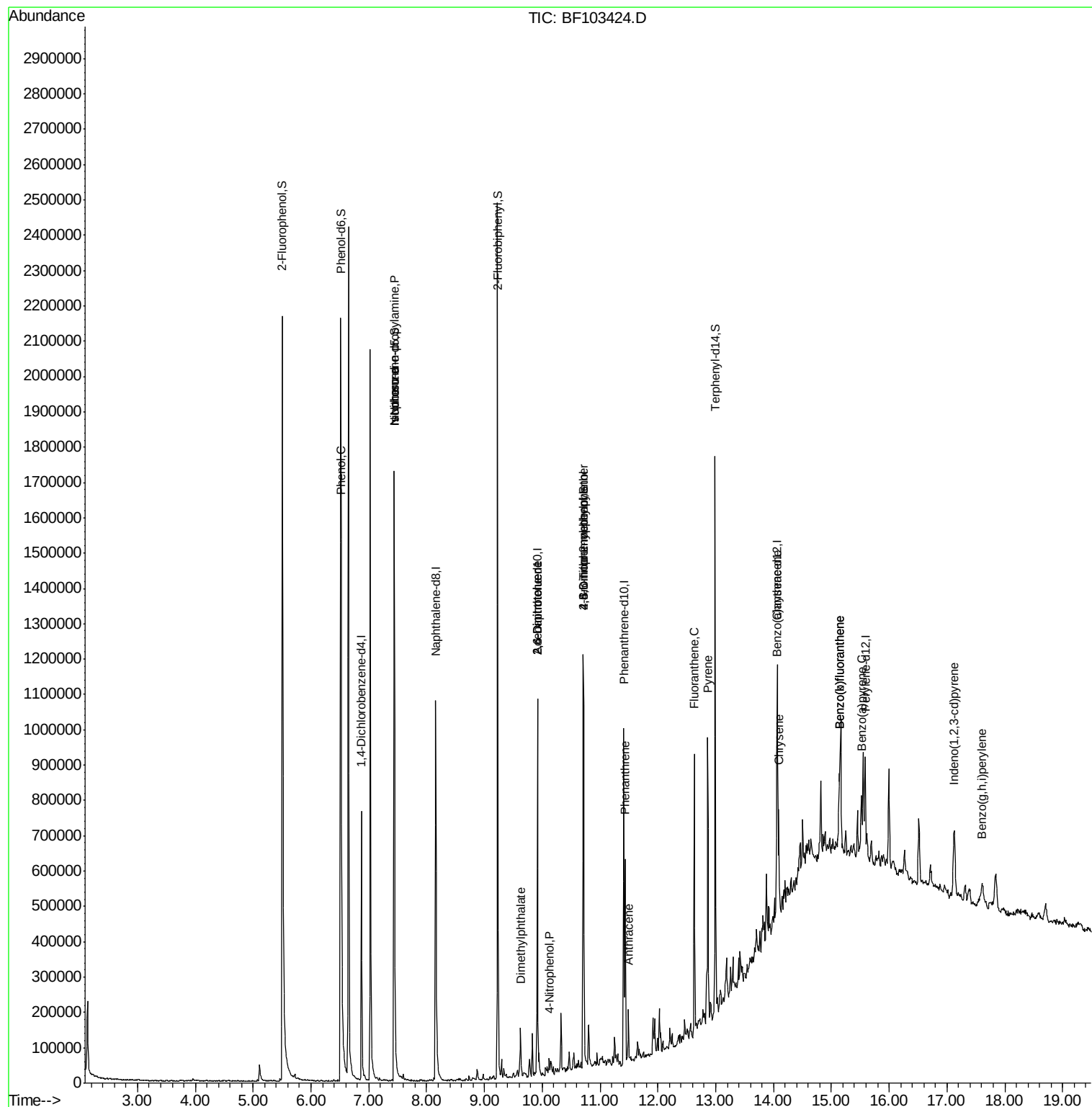
Data Path : \\74.0.250.170\SVOASRV\HPCHEM1\BNA F\DATA\BF030518\
Data File : BF103424.D
Acq On : 5 Mar 2018 22:15
Operator : SJ/JU
Sample : J1723-11
Misc :
ALS Vial : 12 Sample Multiplier: 1

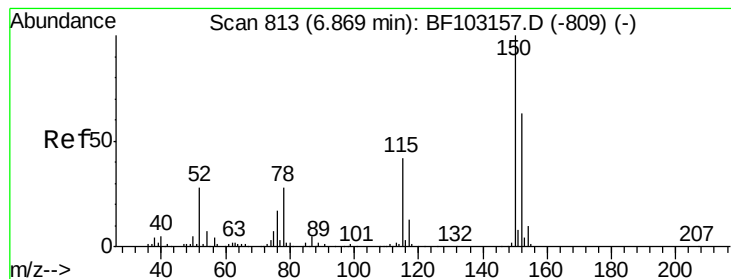
Instrument :
BNA_F
ClientSampleId :
SP-4

Manual Integrations
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Quant Time: Mar 06 10:14:53 2018
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF022218.M
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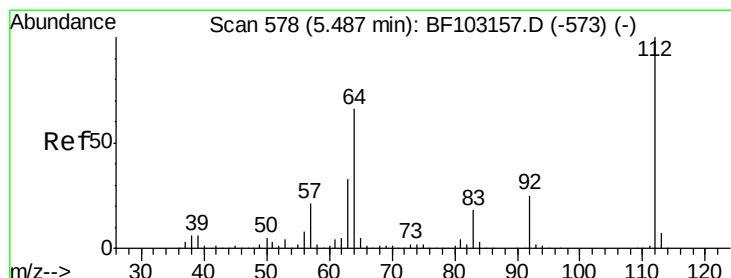
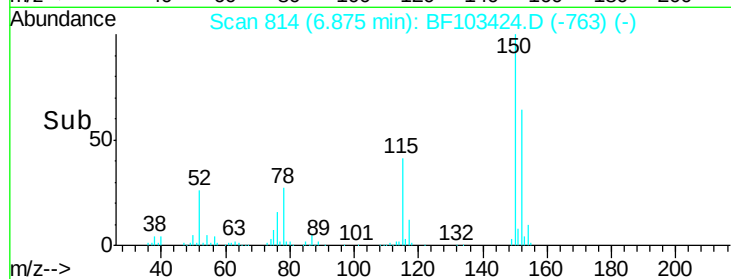
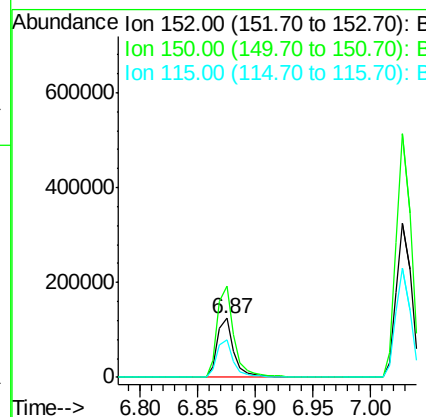
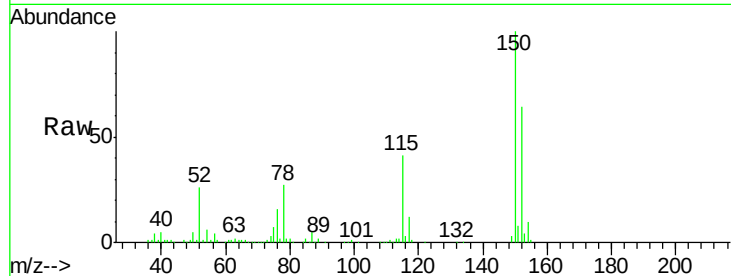
#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.87 min Scan# 814
 Delta R.T. 0.00 min
 Lab File: BF103424.D
 Acq: 5 Mar 2018 22:15

Instrument :
 BNA_F
 ClientSampleId :
 SP-4

Tot Ion	Ratio	Lower	Upper
152	100		
150	155.8	124.6	186.8
115	63.6	50.1	75.1

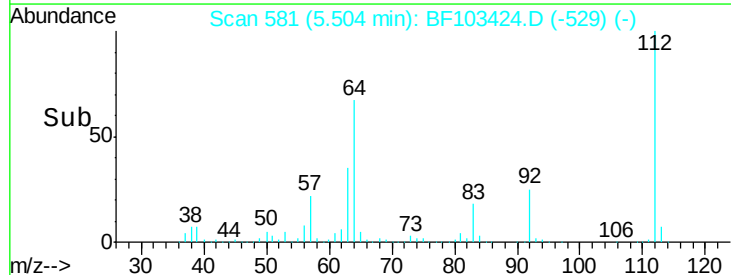
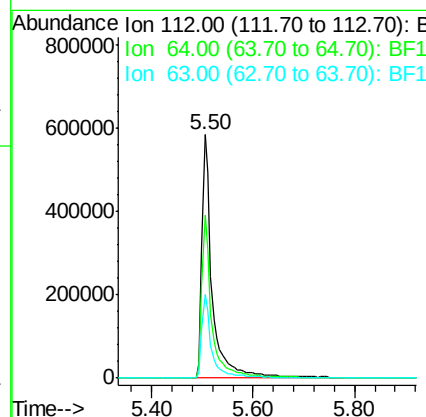
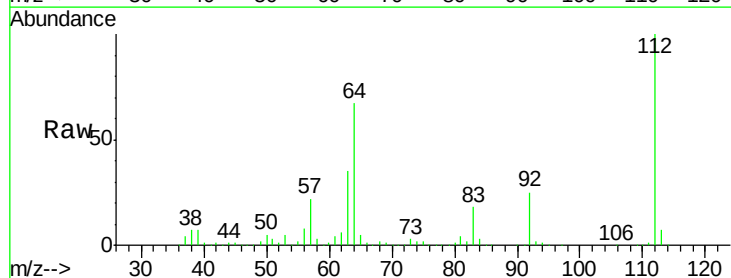
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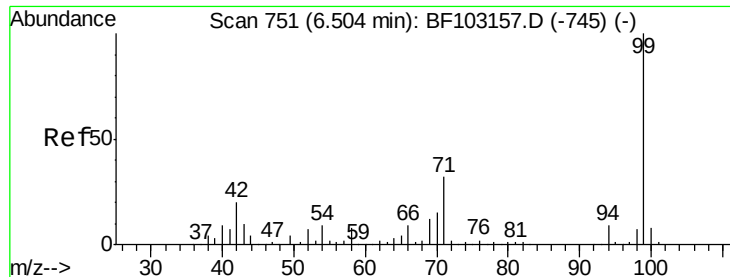
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#5
 2-Fluorophenol
 Concen: 101.670 ng
 RT: 5.50 min Scan# 581
 Delta R.T. 0.01 min
 Lab File: BF103424.D
 Acq: 5 Mar 2018 22:15

Tgt Ion	Ratio	Lower	Upper
112	100		
64	67.0	47.9	71.9
63	34.6	23.7	35.5





#7

Phenol-d6

Concen: 96.323 ng

RT: 6.52 min Scan# 753

Delta R.T. 0.00 min

Lab File: BF103424.D

Acq: 5 Mar 2018 22:15

Instrument :

BNA_F

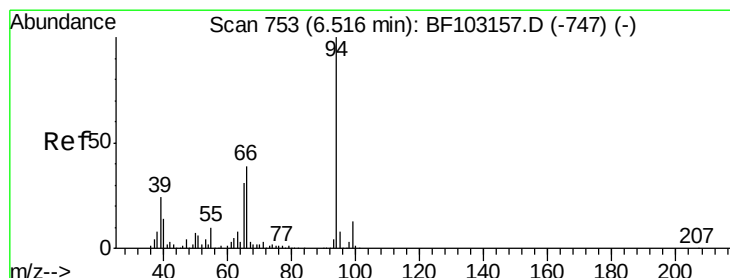
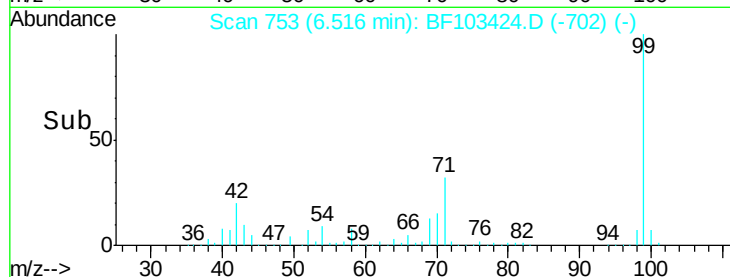
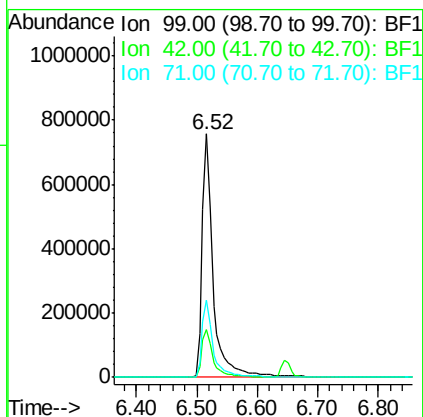
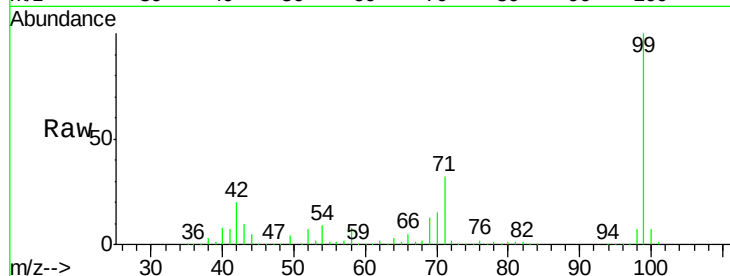
ClientSampled :

SP-4

Tot Ion:	99	Resp:	977598
Ion Ratio	Lower	Upper	
99	100		
42	19.8	14.5	21.7
71	31.8	25.4	38.0

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#10

Phenol

Concen: 2.485 ng

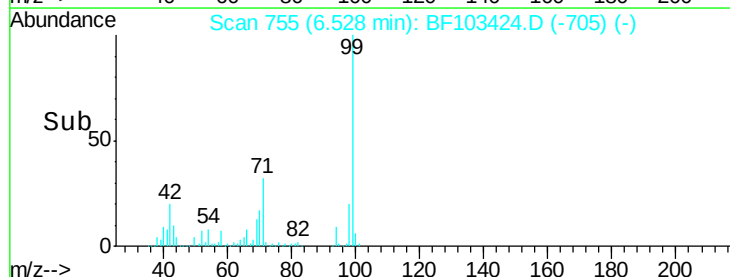
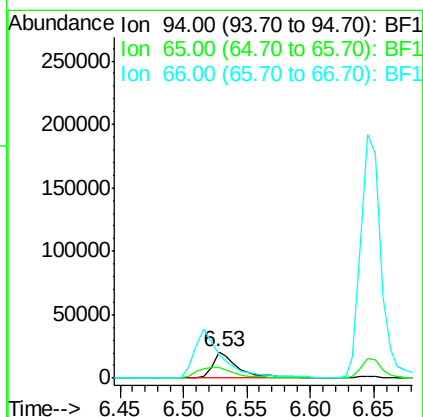
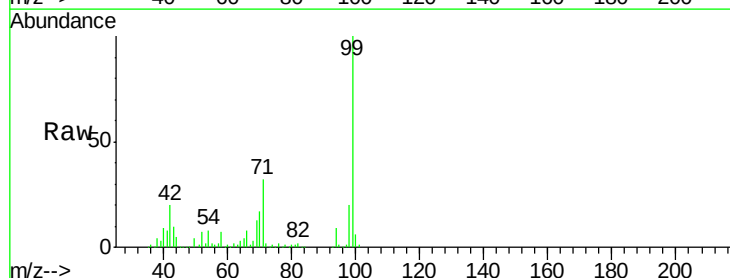
RT: 6.53 min Scan# 755

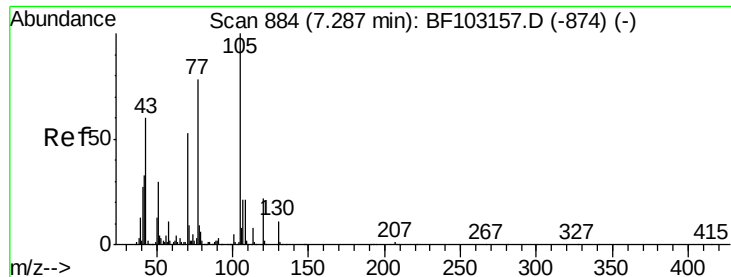
Delta R.T. -0.01 min

Lab File: BF103424.D

Acq: 5 Mar 2018 22:15

Tgt Ion:	94	Resp:	29273
Ion Ratio	Lower	Upper	
94	100		
65	42.7	7.9	47.9
66	86.9	16.2	56.2#





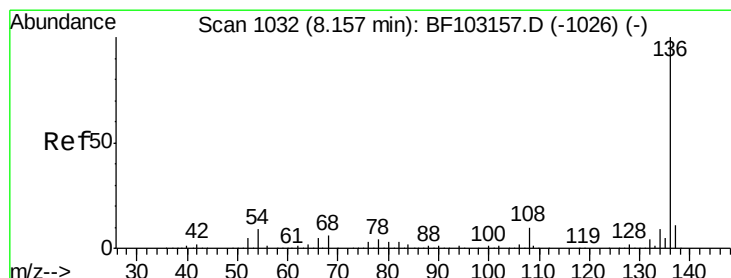
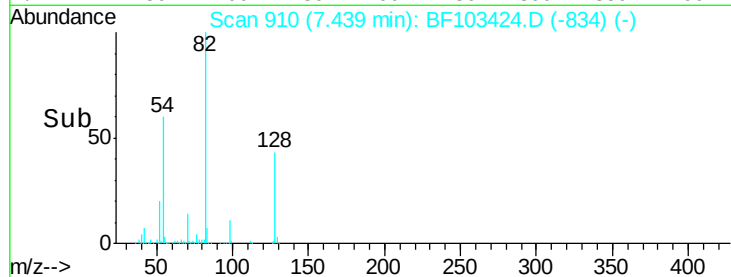
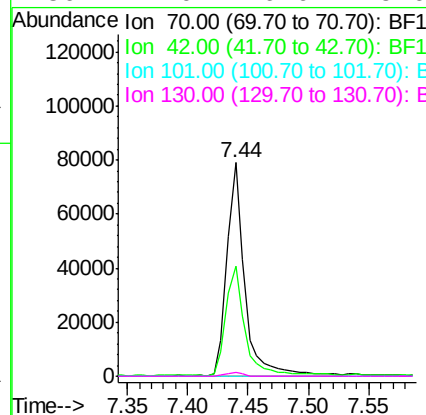
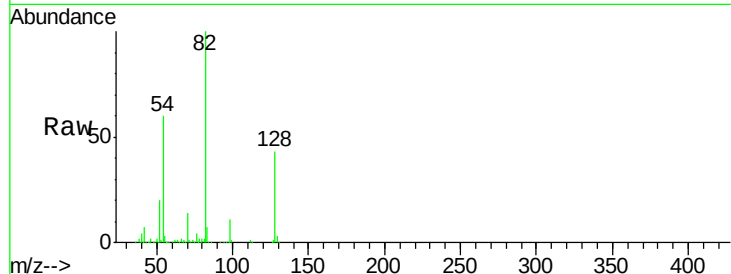
#19
n-Nitroso-di-n-propylamine
Concen: 12.971 ng
RT: 7.44 min Scan# 910
Delta R.T. 0.15 min
Lab File: BF103424.D
Acq: 5 Mar 2018 22:15

Instrument :
BNA_F
ClientSampleId :
SP-4

Tot Ion	Ratio	Lower	Upper
70	100		
42	51.7	47.5	71.3
101	0.0	7.4	11.2#
130	2.0	16.6	25.0#

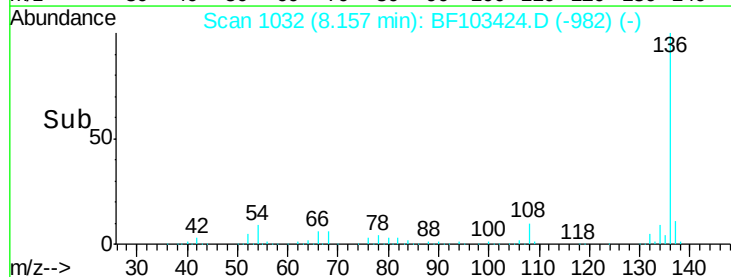
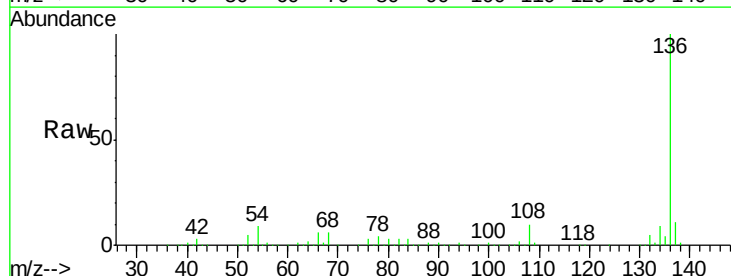
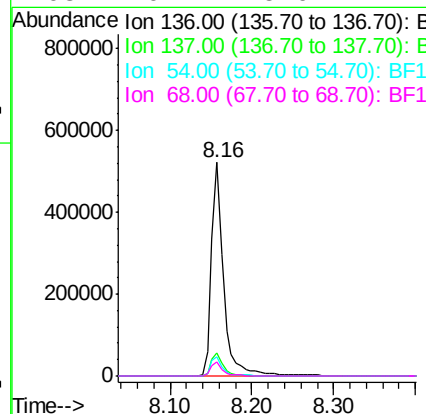
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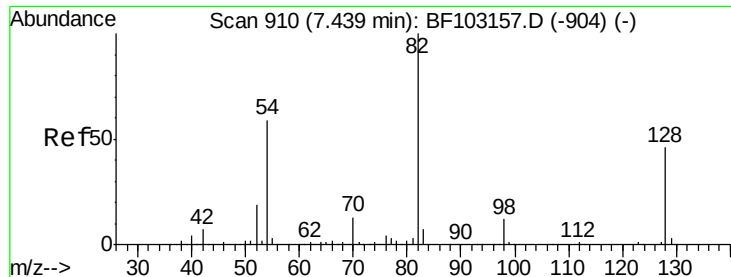
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#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.16 min Scan# 1032
Delta R.T. -0.01 min
Lab File: BF103424.D
Acq: 5 Mar 2018 22:15

Tgt Ion	Ratio	Lower	Upper
136	100		
137	10.9	8.9	13.3
54	9.0	6.6	9.8
68	6.4	5.0	7.4





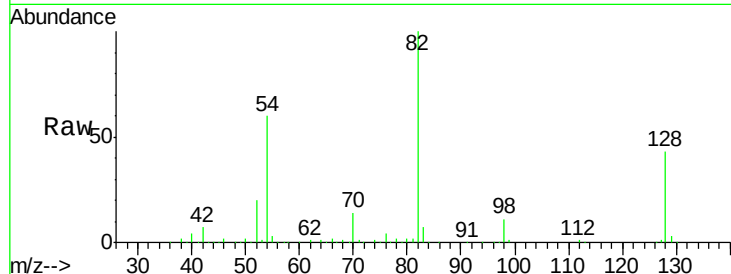
#23
Nitrobenzene-d5
Concen: 64.031 ng
RT: 7.44 min Scan# 910
Delta R.T. -0.01 min
Lab File: BF103424.D
Acq: 5 Mar 2018 22:15

Instrument :
BNA_F
ClientSampled :
SP-4

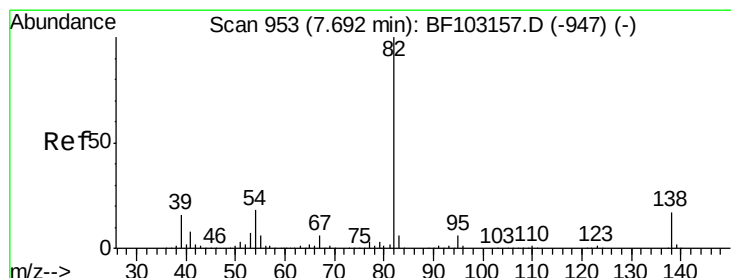
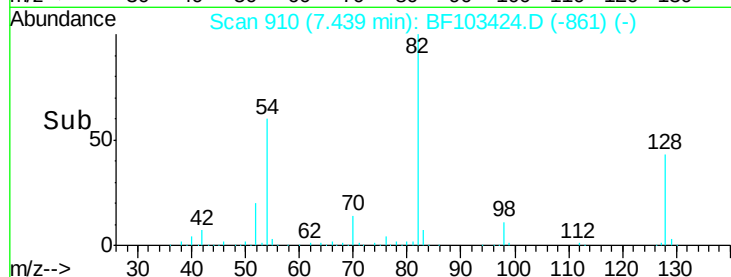
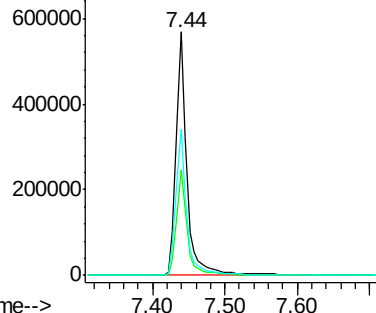
Tot Ion	Ratio	Resp	Lower	Upper
82	100	608088		
128	43.2		36.1	54.1
54	59.9		41.4	62.2

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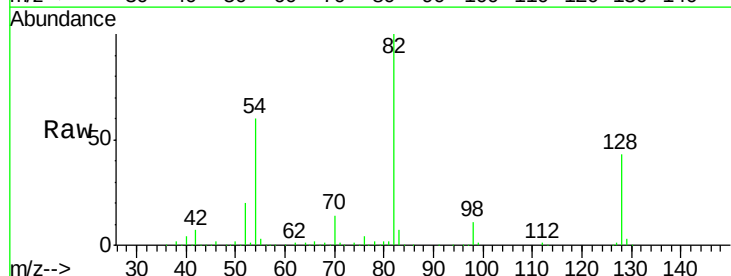


Abundance Ion 82.00 (81.70 to 82.70): BF1
Ion 128.00 (127.70 to 128.70): BF1
Ion 54.00 (53.70 to 54.70): BF1

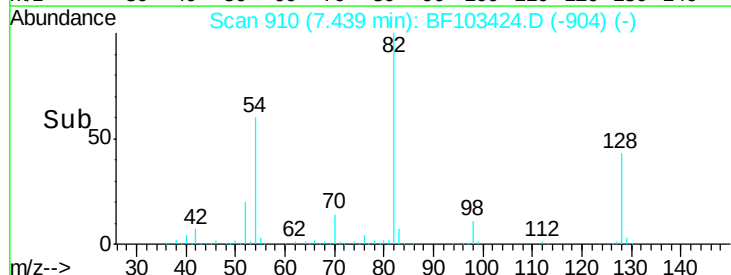
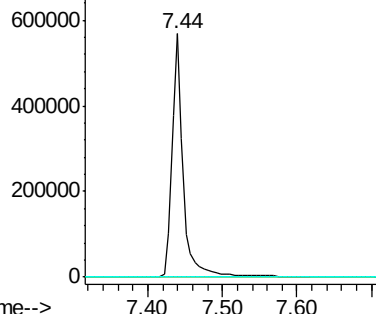


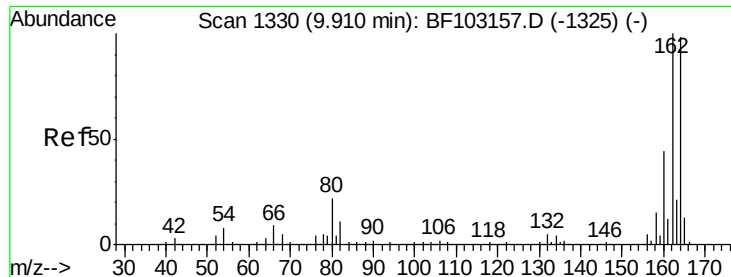
#25
Isophorone
Concen: 32.511 ng
RT: 7.44 min Scan# 910
Delta R.T. -0.26 min
Lab File: BF103424.D
Acq: 5 Mar 2018 22:15

Tgt Ion	Ratio	Resp	Lower	Upper
82	100	608084		
95	0.0		5.2	7.8#
138	0.0		14.9	22.3#



Abundance Ion 82.00 (81.70 to 82.70): BF1
Ion 95.00 (94.70 to 95.70): BF1
Ion 138.00 (137.70 to 138.70): BF1





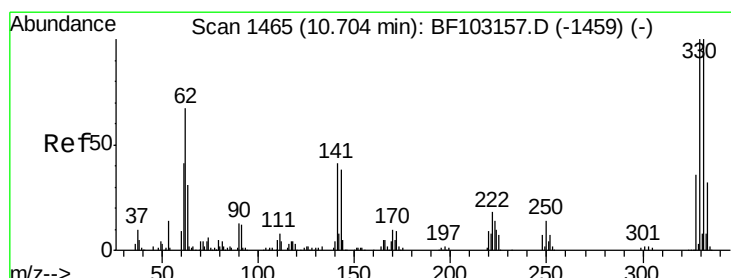
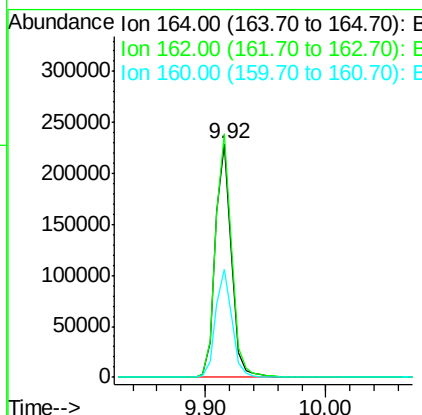
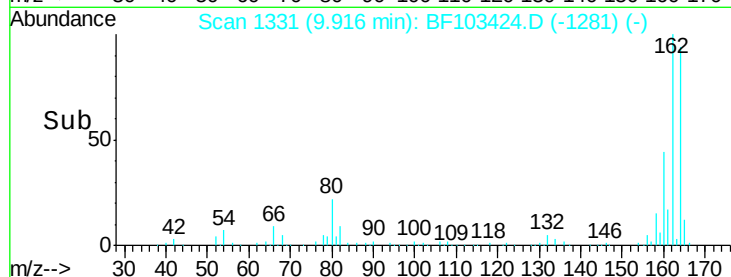
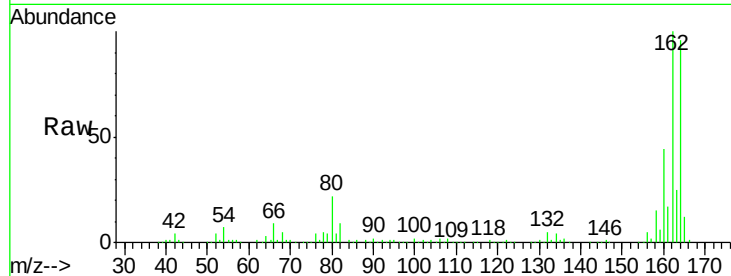
#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.92 min Scan# 1331
Delta R.T. -0.01 min
Lab File: BF103424.D
Acq: 5 Mar 2018 22:15

Instrument :
BNA_F
ClientSampled :
SP-4

Tot Ion	Ratio	Resp	Lower	Upper
164	100	206310		
162	104.0	86.1	129.1	
160	46.1	38.3	57.5	

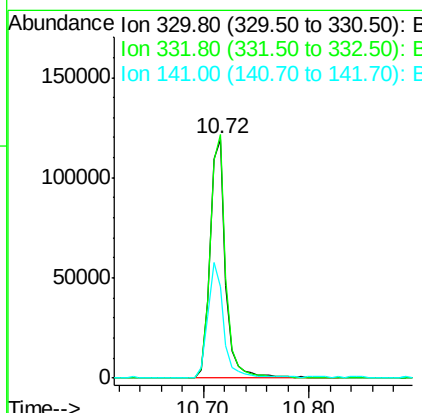
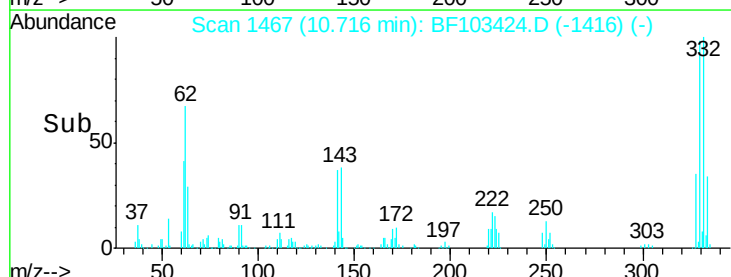
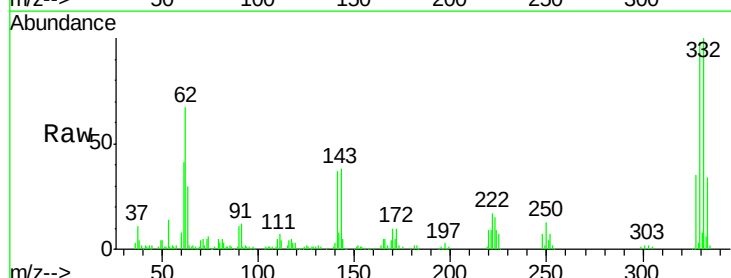
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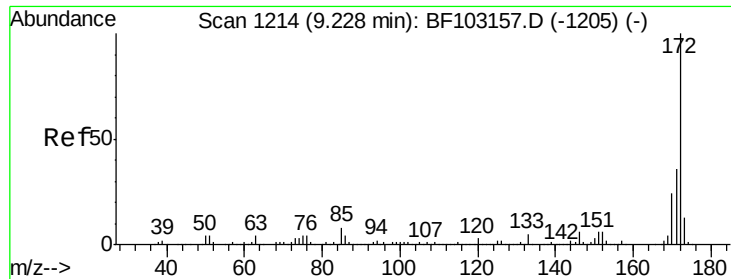
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#41
2,4,6-Tribromophenol
Concen: 71.022 ng
RT: 10.72 min Scan# 1467
Delta R.T. 0.00 min
Lab File: BF103424.D
Acq: 5 Mar 2018 22:15

Tgt Ion	Ratio	Resp	Lower	Upper
330	100	124026		
332	101.8	77.0	115.6	
141	47.7	29.9	44.9#	





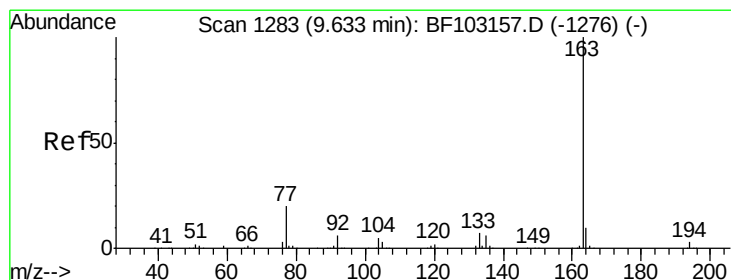
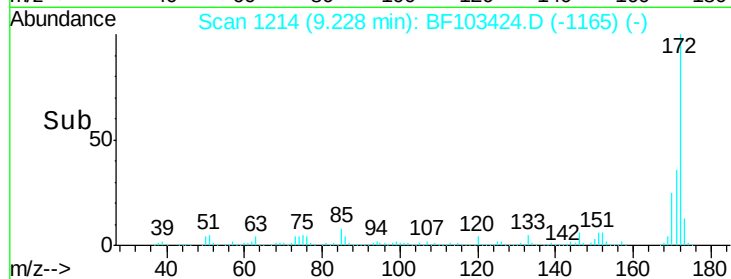
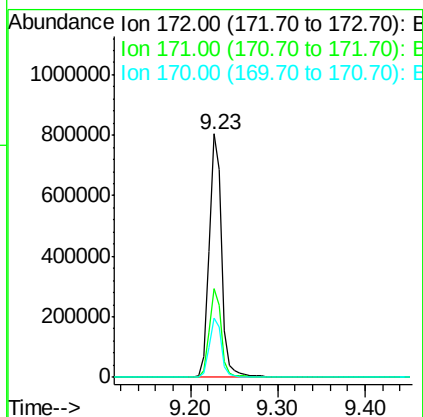
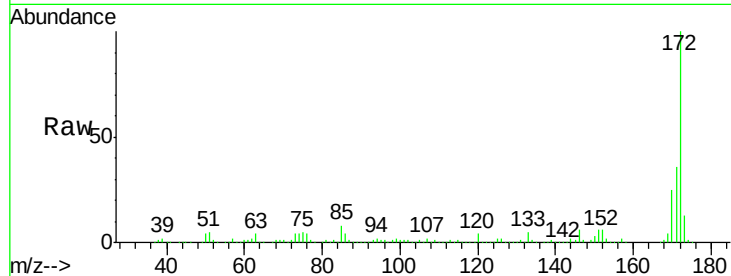
#44
2-Fluorobiphenyl
Concen: 62.231 ng
RT: 9.23 min Scan# 1214
Delta R.T. -0.01 min
Lab File: BF103424.D
Acq: 5 Mar 2018 22:15

Instrument :
BNA_F
ClientSampled :
SP-4

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

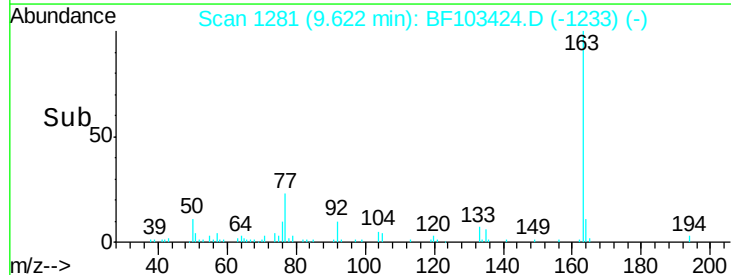
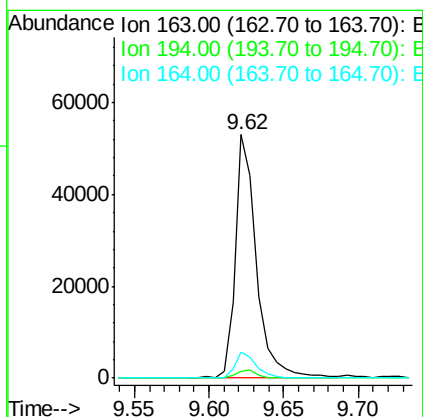
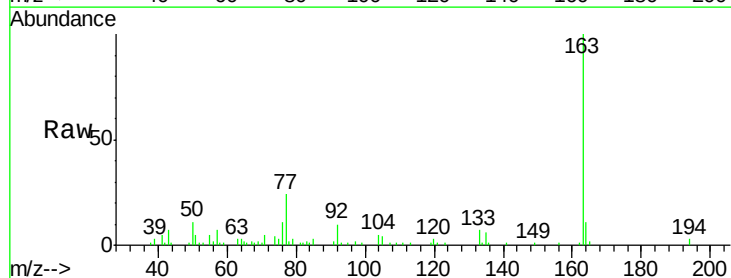
Manual Integrations
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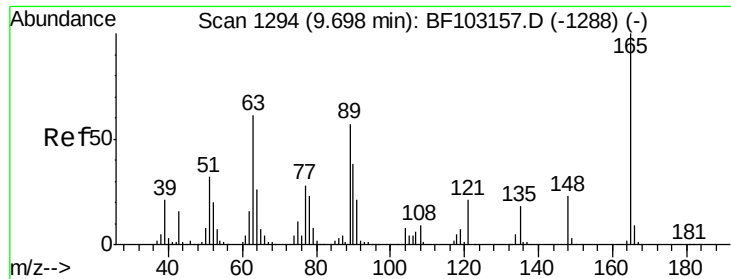
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#49
Dimethylphthalate
Concen: 3.187 ng
RT: 9.62 min Scan# 1281
Delta R.T. -0.02 min
Lab File: BF103424.D
Acq: 5 Mar 2018 22:15

Tgt Ion	Ratio	Lower	Upper
163	100		
194	2.9	2.7	4.1
164	10.9	8.2	12.2





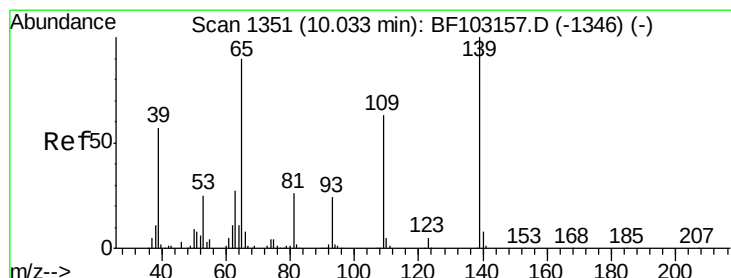
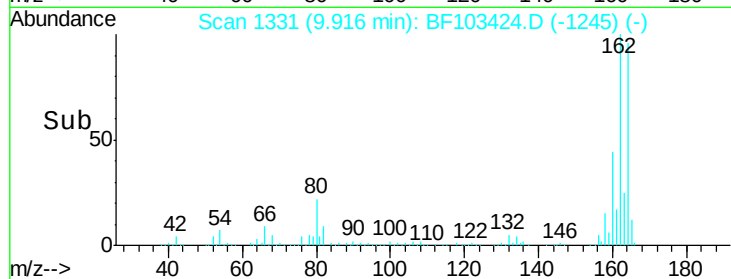
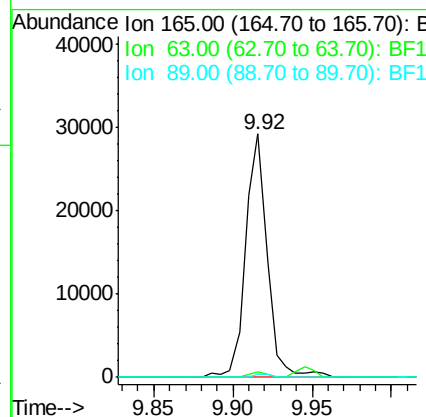
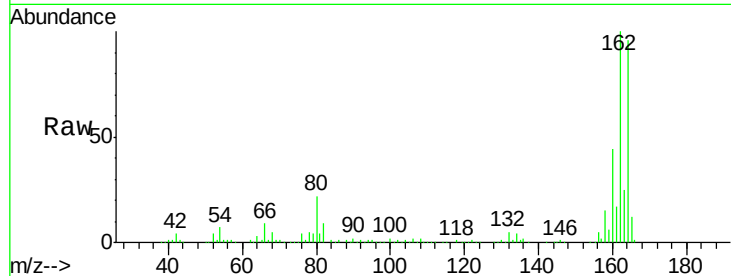
#50
2,6-Dinitrotoluene
Concen: 7.922 ng
RT: 9.92 min Scan# 1331
Delta R.T. 0.21 min
Lab File: BF103424.D
Acq: 5 Mar 2018 22:15

Instrument :
BNA_F
ClientSampleId :
SP-4

Tot Ion	Ratio	Resp Lower	Upper
165	100		
63	2.2	44.7	67.1#
89	1.2	44.0	66.0#

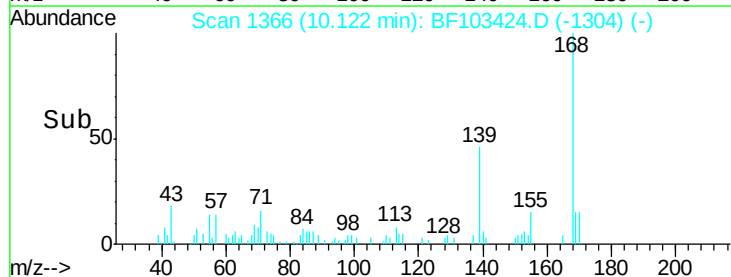
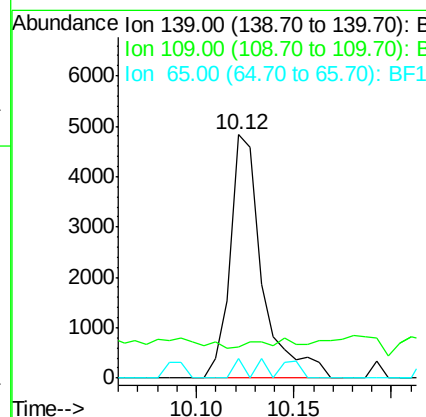
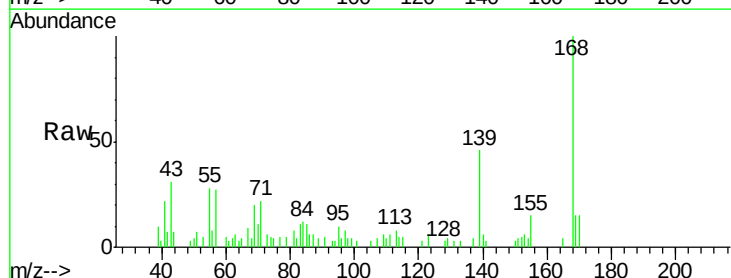
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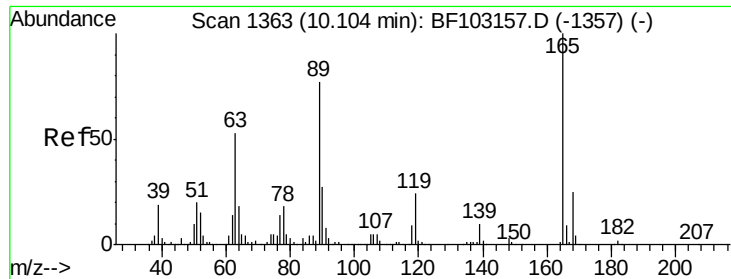
Sohil
3/6/2018 4:23:30 PM



#55
4-Nitrophenol
Concen: 2.028 ng
RT: 10.12 min Scan# 1366
Delta R.T. 0.06 min
Lab File: BF103424.D
Acq: 5 Mar 2018 22:15

Tgt Ion	Ratio	Resp Lower	Upper
139	100		
109	12.9	48.4	88.4#
65	8.0	72.6	112.6#





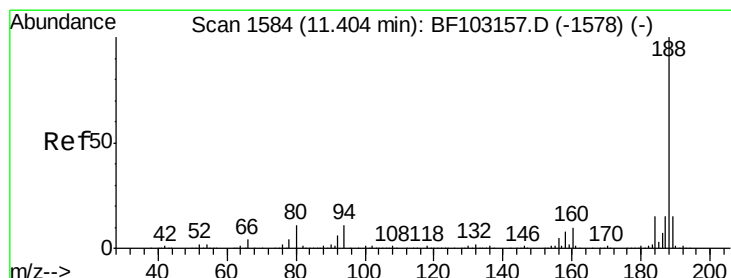
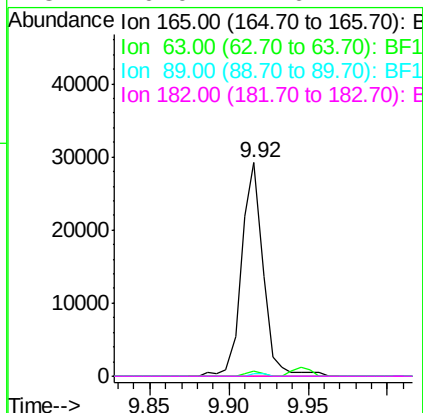
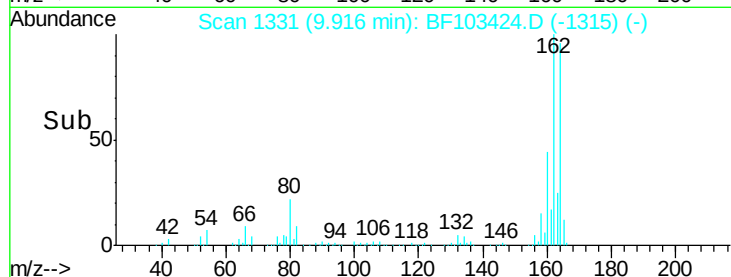
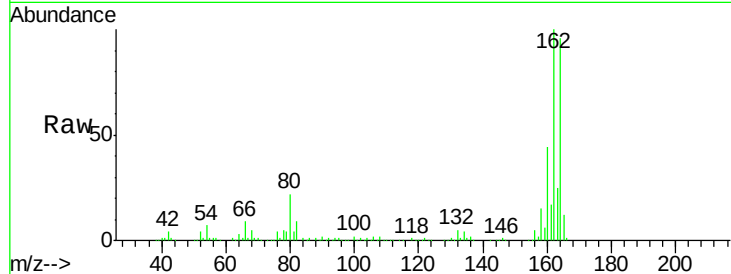
#56
 2,4-Dinitrotoluene
 Concen: 6.264 ng
 RT: 9.92 min Scan# 1331
 Delta R.T. -0.21 min
 Lab File: BF103424.D
 Acq: 5 Mar 2018 22:15

Instrument :
 BNA_F
 ClientSampleId :
 SP-4

Tot Ion	Ratio	Resp Lower	Upper
165	100		
63	2.2	36.4	54.6#
89	1.2	57.8	86.6#
182	0.0	1.6	2.4#

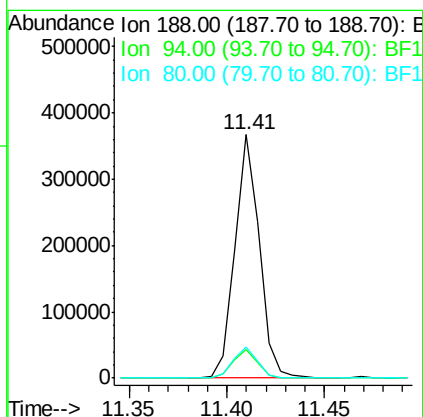
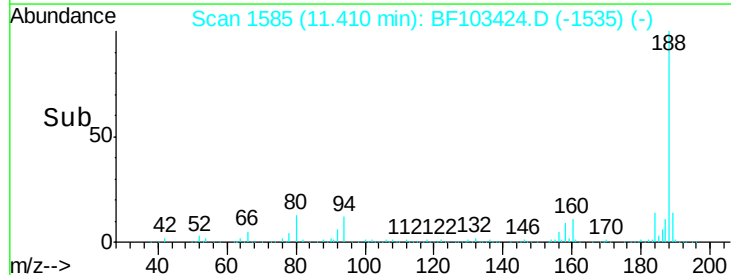
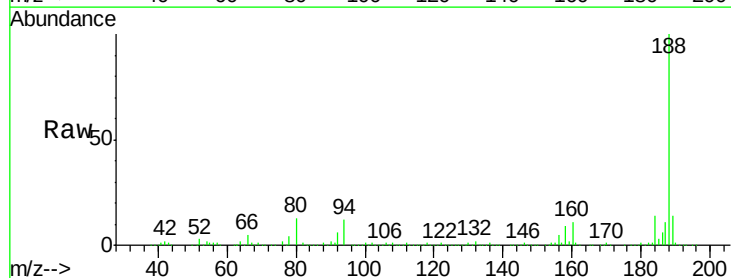
Manual Integrations
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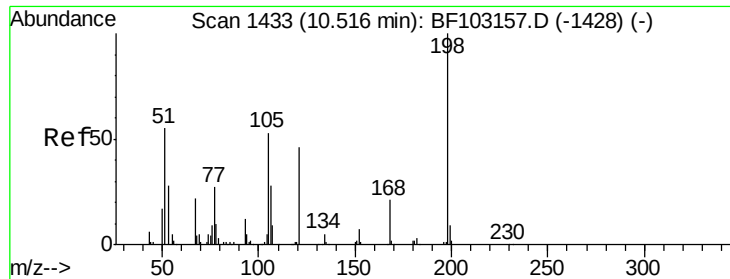
Sohil
 3/6/2018 4:23:30 PM



#63
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.41 min Scan# 1585
 Delta R.T. -0.01 min
 Lab File: BF103424.D
 Acq: 5 Mar 2018 22:15

Tgt Ion	Ratio	Resp Lower	Upper
188	100		
94	11.7	8.5	12.7
80	13.0	9.2	13.8





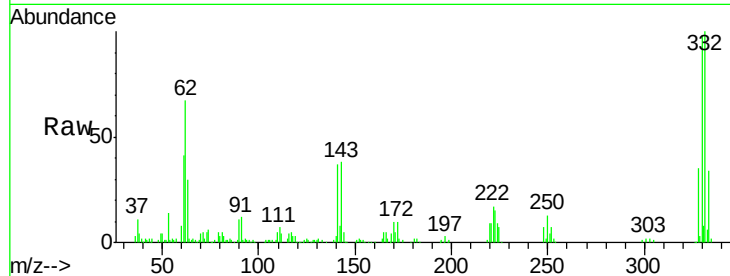
#64
4,6-Dinitro-2-methylphenol
Concen: 5.004 ng
RT: 10.72 min Scan# 1467
Delta R.T. 0.18 min
Lab File: BF103424.D
Acq: 5 Mar 2018 22:15

Instrument :
BNA_F
ClientSampled :
SP-4

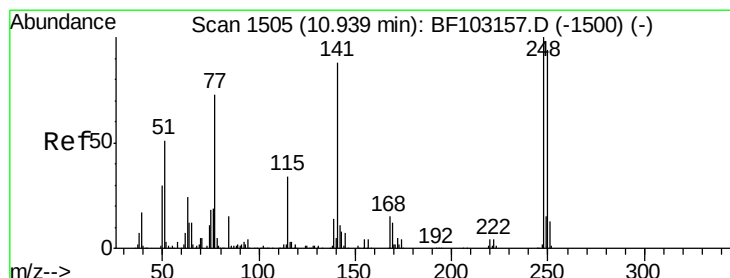
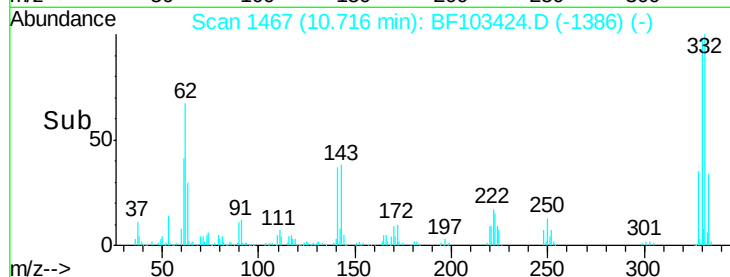
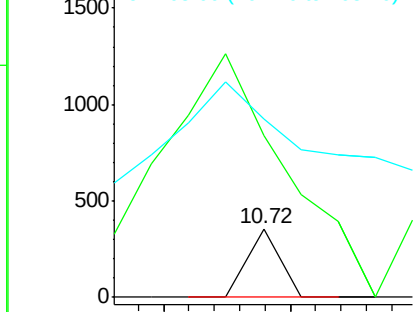
Tot Ion	Ratio	Lower	Upper
198	100		
51	235.3	37.7	77.7#
105	259.1	36.3	76.3#

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3/6/2018 4:23:30 PM

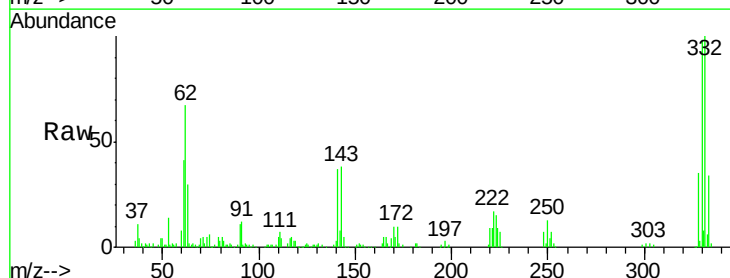


Abundance Ion 198.00 (197.70 to 198.70): E
Ion 51.00 (50.70 to 51.70): BF1
Ion 105.00 (104.70 to 105.70): E

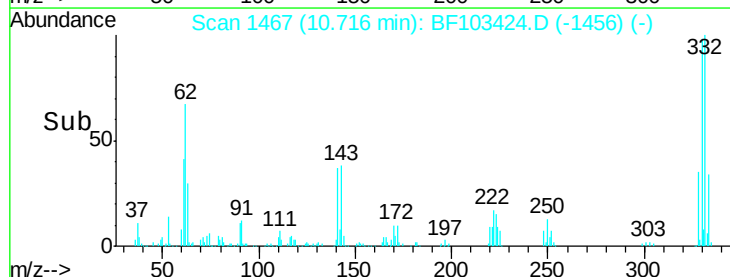
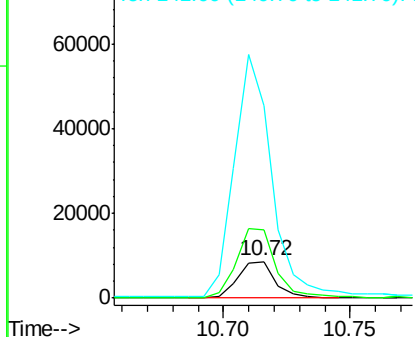


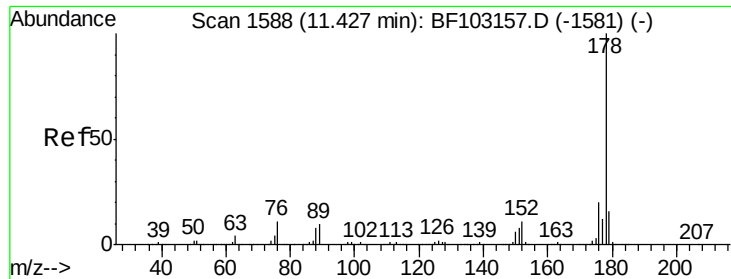
#66
4-Bromophenyl-phenylether
Concen: 2.670 ng
RT: 10.72 min Scan# 1467
Delta R.T. -0.24 min
Lab File: BF103424.D
Acq: 5 Mar 2018 22:15

Tgt Ion	Ratio	Lower	Upper
248	100		
250	183.6	76.9	115.3#
141	523.4	74.4	111.6#



Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E





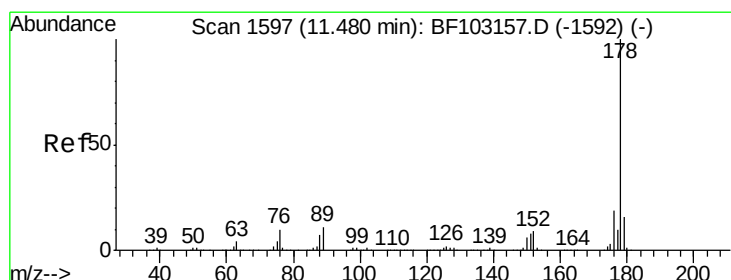
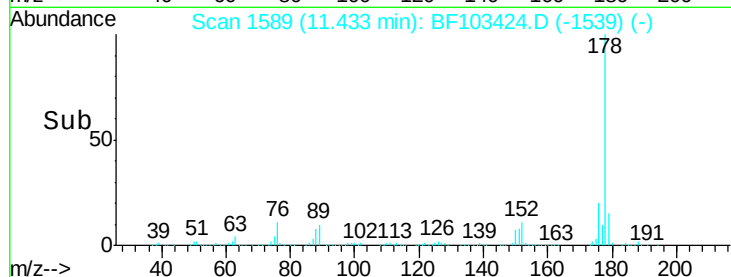
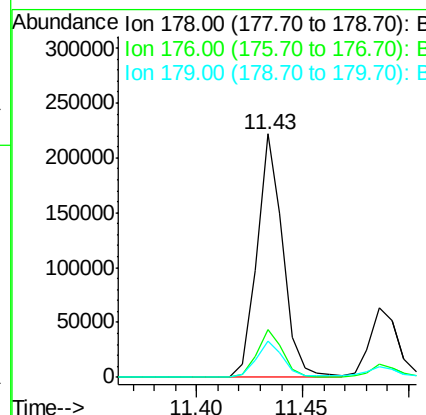
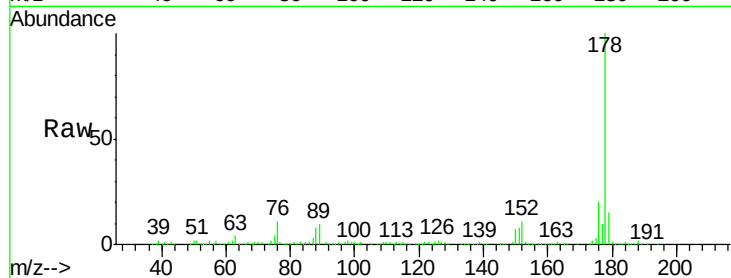
#70
Phenanthrene
Concen: 10.785 ng
RT: 11.43 min Scan# 1589
Delta R.T. -0.01 min
Lab File: BF103424.D
Acq: 5 Mar 2018 22:15

Instrument :
BNA_F
ClientSampled :
SP-4

Tot Ion	Ratio	Lower	Upper
178	100		
176	19.7	15.8	23.8
179	15.0	13.0	19.6

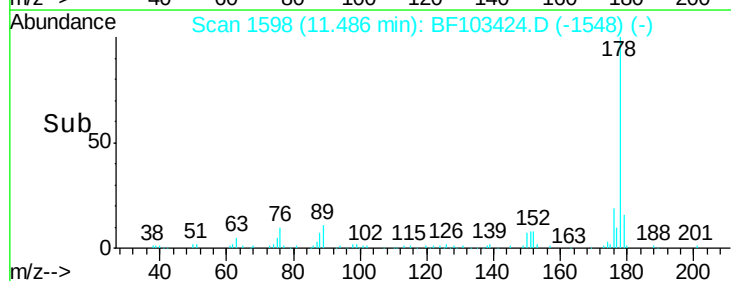
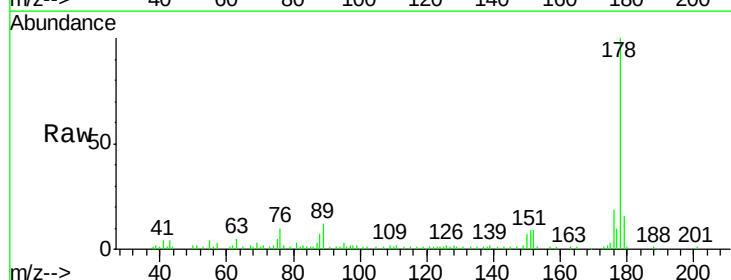
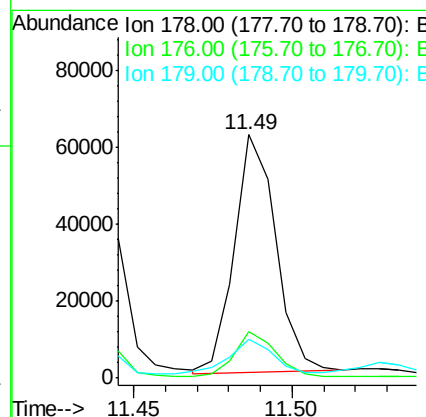
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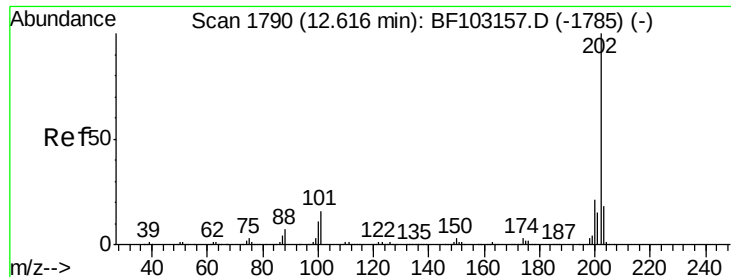
Sohil
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#71
Anthracene
Concen: 3.103 ng
RT: 11.49 min Scan# 1598
Delta R.T. -0.01 min
Lab File: BF103424.D
Acq: 5 Mar 2018 22:15

Tgt Ion	Ratio	Lower	Upper
178	100		
176	19.3	15.4	23.2
179	16.1	12.6	19.0





#74

Fluoranthene

Concen: 18.560 ng

RT: 12.63 min Scan# 1793

Delta R.T. 0.00 min

Lab File: BF103424.D

Acq: 5 Mar 2018 22:15

Instrument :

BNA_F

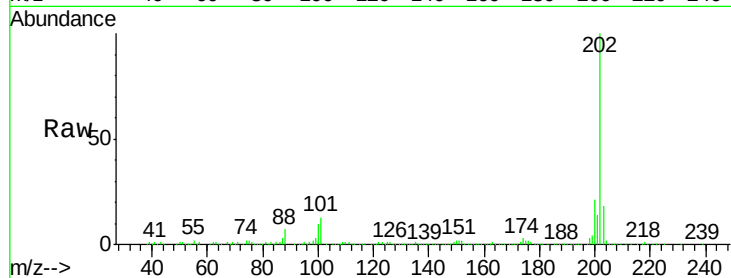
ClientSampleId :

SP-4

Tot Ion	Ion	Ratio	Resp	Lower	Upper
202	100		327096		
101	13.5	0.0	34.1		
203	17.8	0.0	38.1		

Manual Integrations
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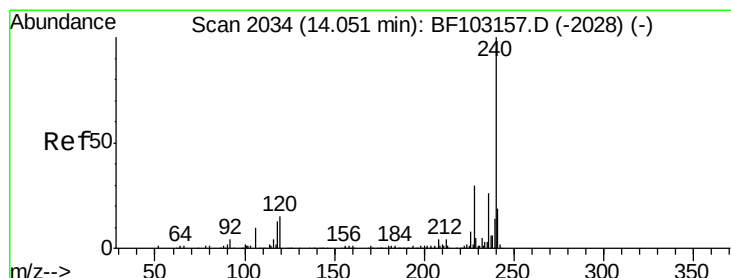
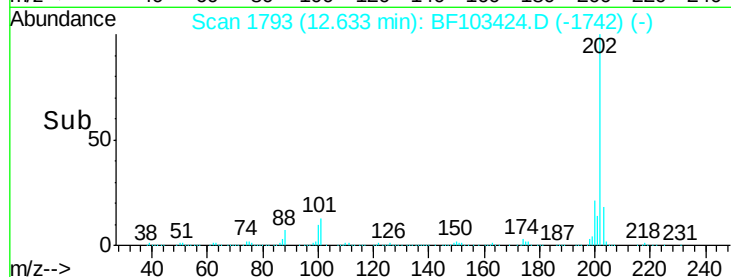
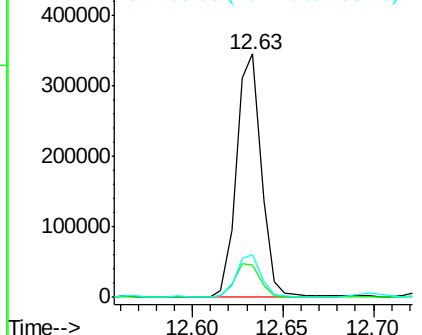
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Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E



#75

Chrysene-d12

Concen: 20.000 ng

RT: 14.07 min Scan# 2037

Delta R.T. 0.00 min

Lab File: BF103424.D

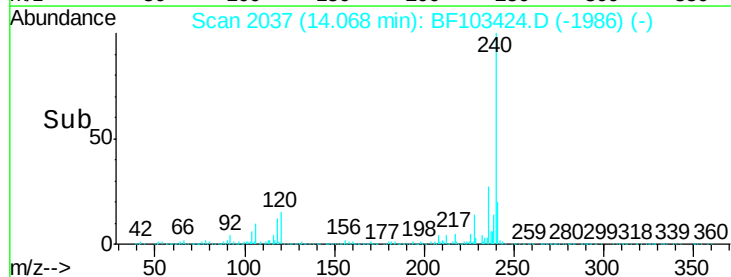
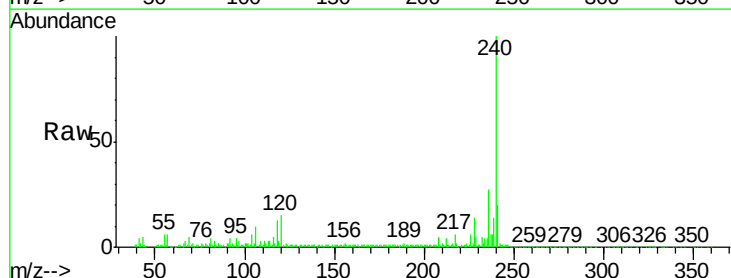
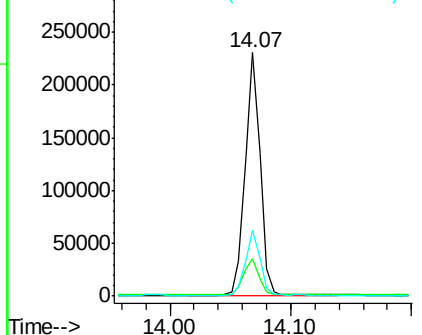
Acq: 5 Mar 2018 22:15

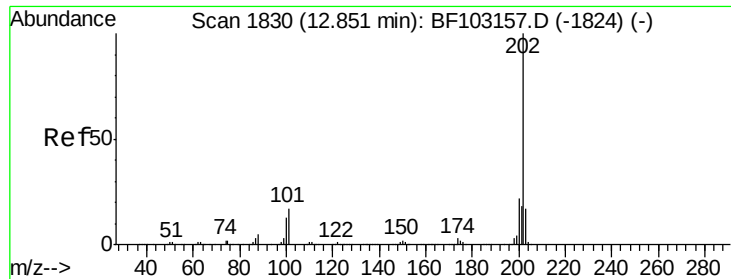
Tgt Ion	Ion	Ratio	Resp	Lower	Upper
240	100		202523		
120	15.4	9.5	14.3#		
236	27.0	20.7	31.1		

Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#77

Pvrene

Concen: 19.246 ng

RT: 12.86 min Scan# 1832

Delta R.T. -0.01 min

Lab File: BF103424.D

Acq: 5 Mar 2018 22:15

Instrument :

BNA_F

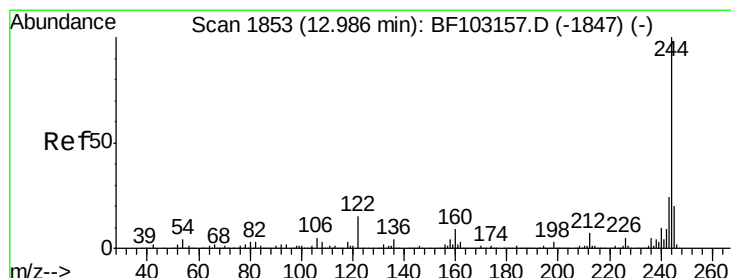
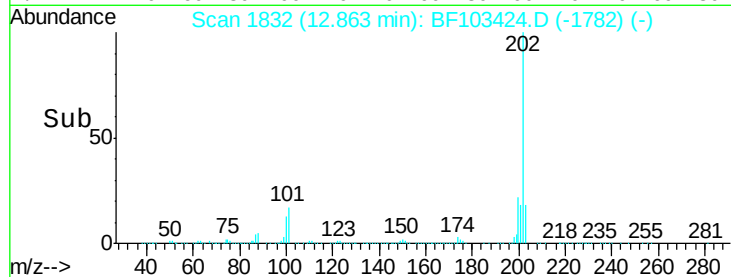
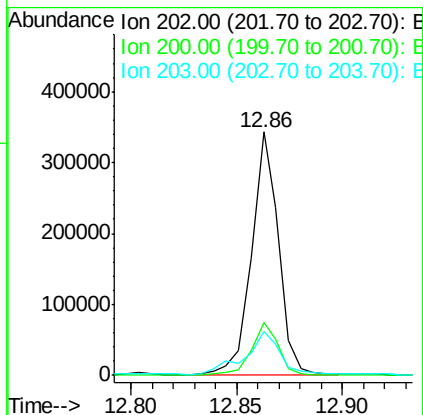
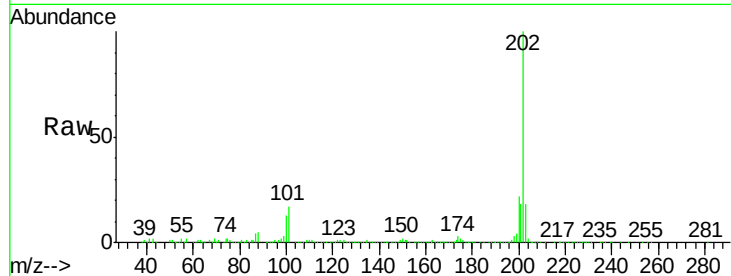
ClientSampled :

SP-4

Tot Ion:	202	Resp:	303899
Ion Ratio	Lower	Upper	
202	100		
200	21.6	17.4	26.2
203	18.0	14.3	21.5

Manual Integrations
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#78

Terphenyl-d14

Concen: 61.827 ng

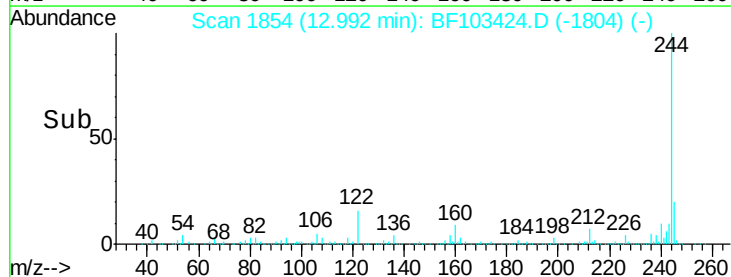
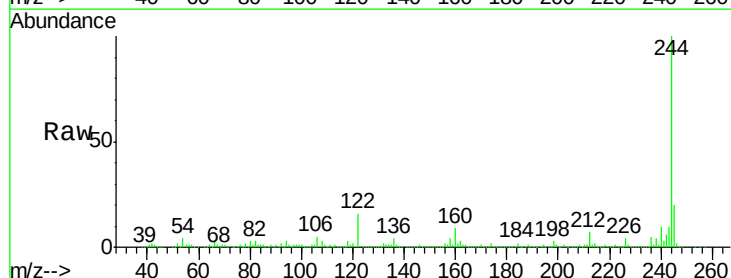
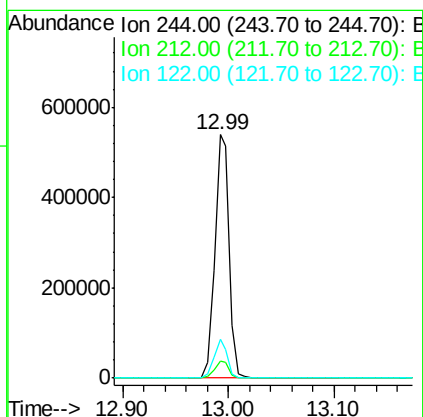
RT: 12.99 min Scan# 1854

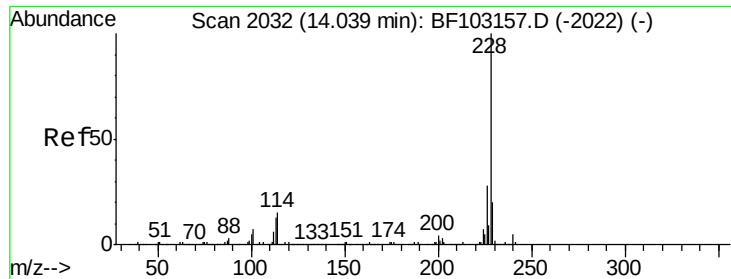
Delta R.T. -0.01 min

Lab File: BF103424.D

Acq: 5 Mar 2018 22:15

Tgt Ion:	244	Resp:	520884
Ion Ratio	Lower	Upper	
244	100		
212	7.2	5.4	8.0
122	16.0	11.0	16.4





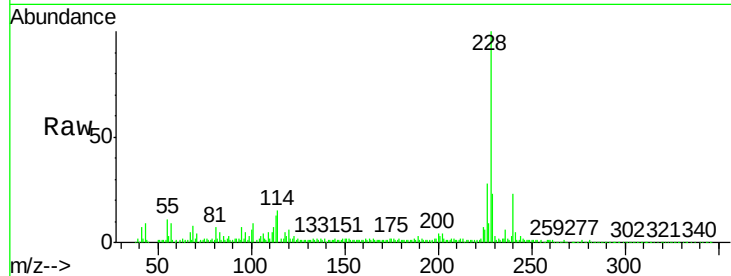
#80
Benzo(a)anthracene
Concen: 11.247 ng
RT: 14.06 min Scan# 2035
Delta R.T. 0.00 min
Lab File: BF103424.D
Acq: 5 Mar 2018 22:15

Instrument :
BNA_F
ClientSampled :
SP-4

Tot Ion	Ratio	Lower	Upper
228	100		
226	28.4	22.6	33.8
229	22.5	15.8	23.6

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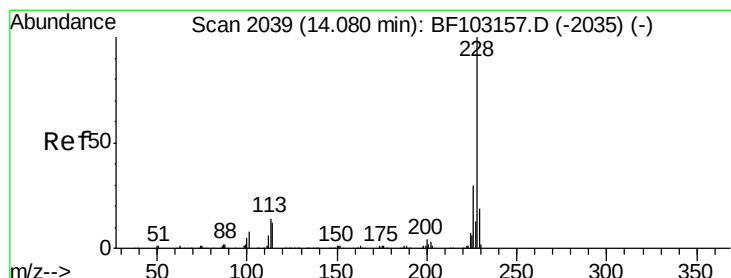
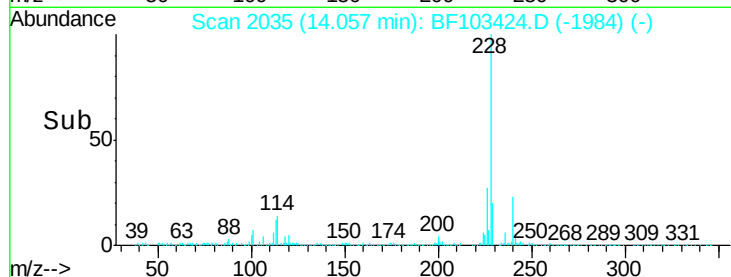
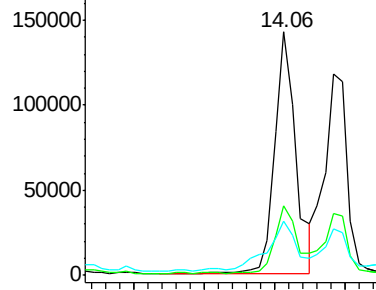


Abundance

Ion 228.00 (227.70 to 228.70): E

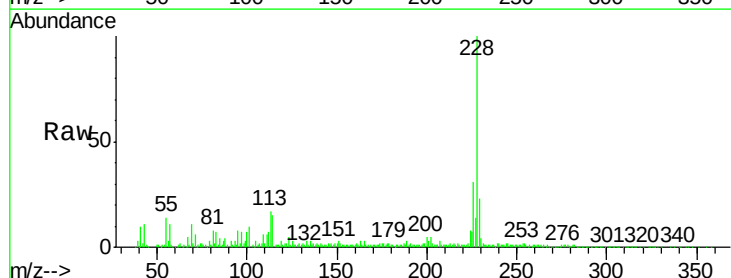
Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



#82
Chrysene
Concen: 10.197 ng
RT: 14.09 min Scan# 2041
Delta R.T. -0.01 min
Lab File: BF103424.D
Acq: 5 Mar 2018 22:15

Tgt Ion	Ratio	Lower	Upper
228	100		
226	30.6	25.0	37.6
229	23.4	16.2	24.4

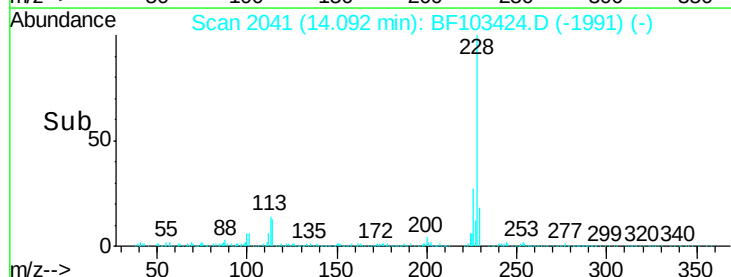
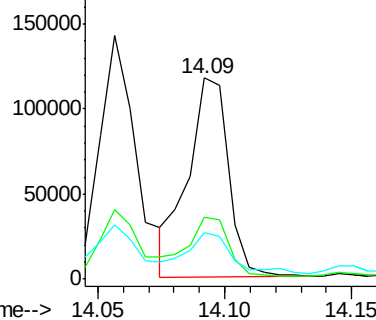


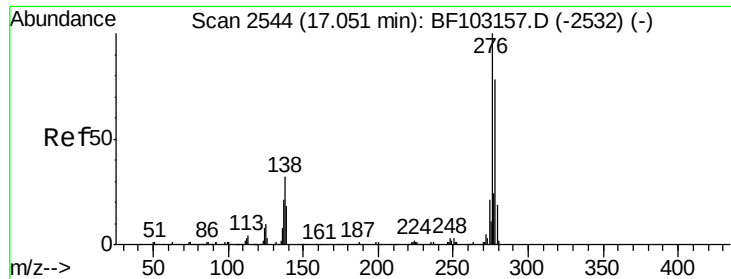
Abundance

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





#85

Indeno(1,2,3-cd)pyrene

Concen: 4.434 ng

RT: 17.13 min Scan# 2558

Delta R.T. 0.01 min

Lab File: BF103424.D

Acq: 5 Mar 2018 22:15

Instrument :

BNA_F

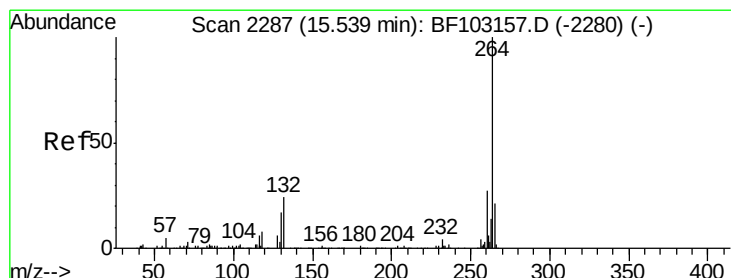
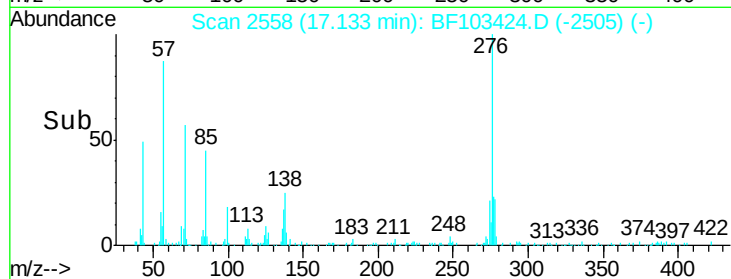
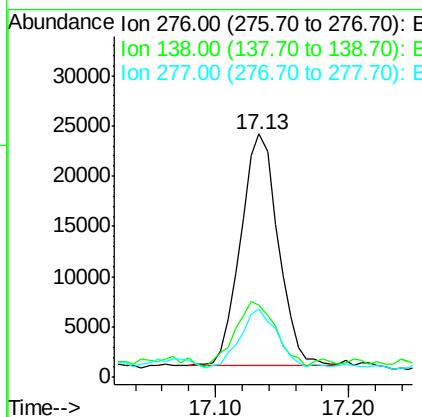
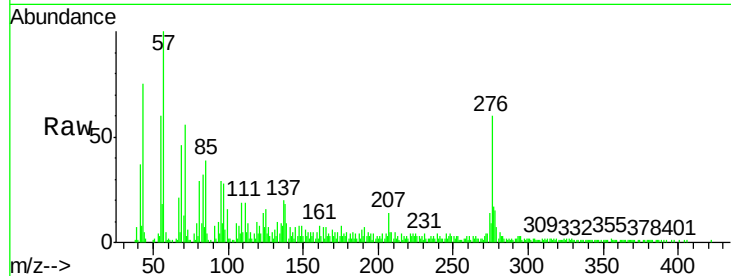
ClientSampled :

SP-4

Tot Ion:	276	Resp:	44789
Ion Ratio	Lower	Upper	
276	100		
138	30.4	25.0	37.6
277	25.4	20.1	30.1

Manual Integrations
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#86

Perylene-d12

Concen: 20.000 ng

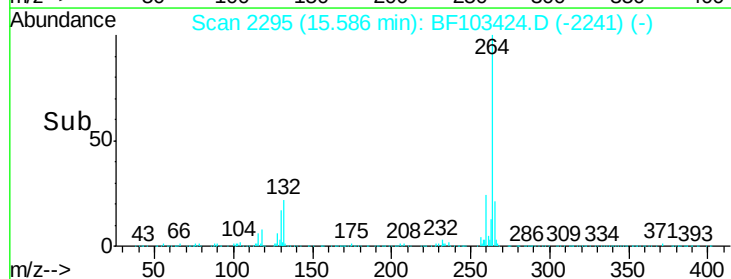
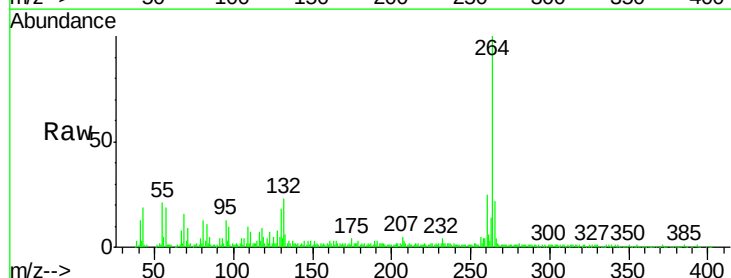
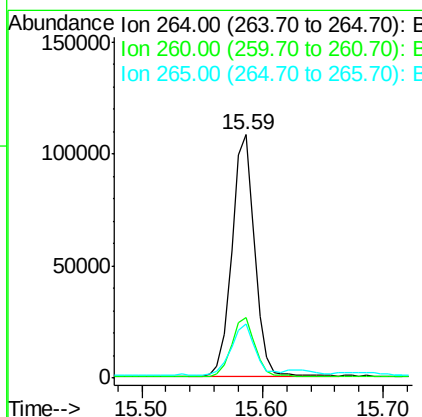
RT: 15.59 min Scan# 2295

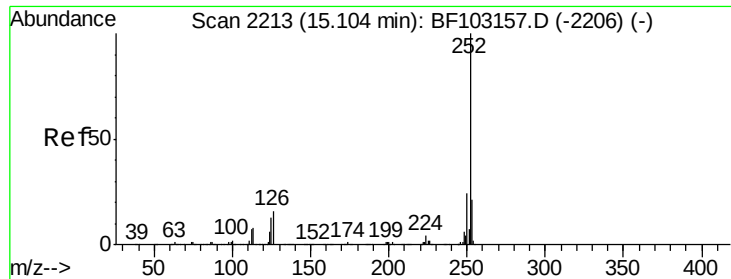
Delta R.T. 0.02 min

Lab File: BF103424.D

Acq: 5 Mar 2018 22:15

Tgt Ion:	264	Resp:	141665
Ion Ratio	Lower	Upper	
264	100		
260	24.9	19.2	28.8
265	22.2	17.5	26.3





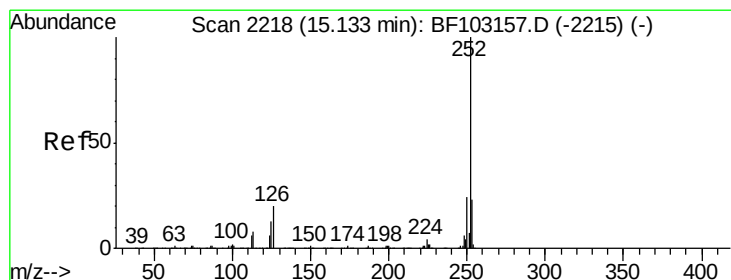
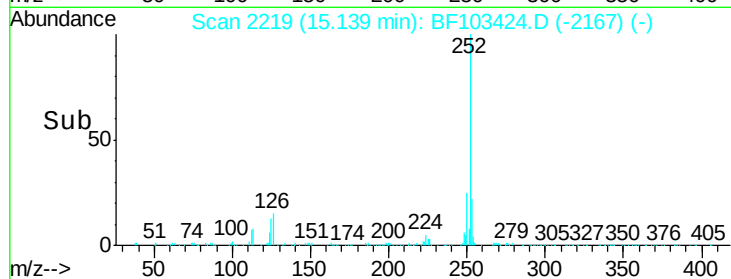
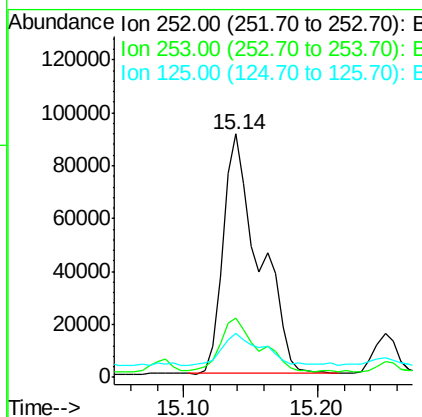
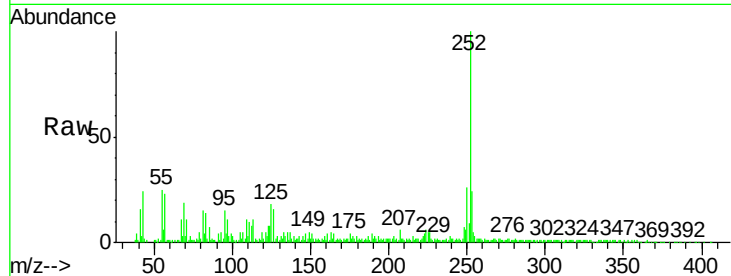
#87
Benzo(b)fluoranthene
Concen: 18.324 ng
RT: 15.14 min Scan# 2219
Delta R.T. 0.01 min
Lab File: BF103424.D
Acq: 5 Mar 2018 22:15

Instrument :
BNA_F
ClientSampleId :
SP-4

Tot Ion	Ratio	Lower	Upper
252	100		
253	24.2	17.0	25.6
125	18.2	9.0	13.6

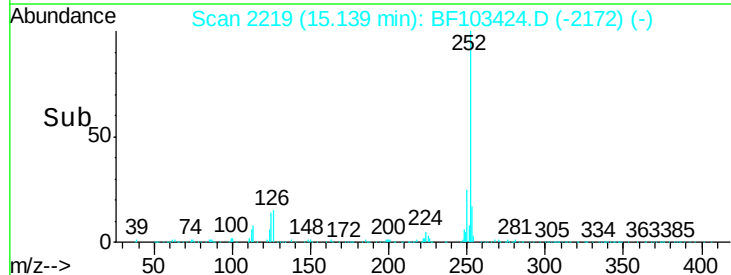
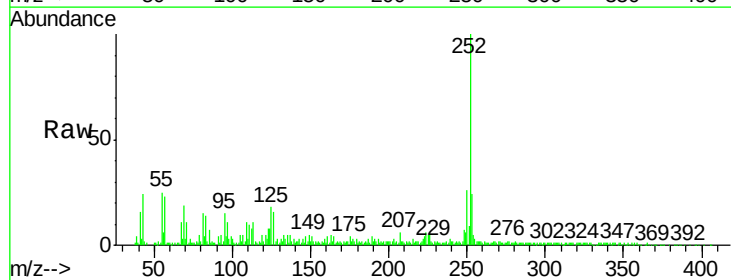
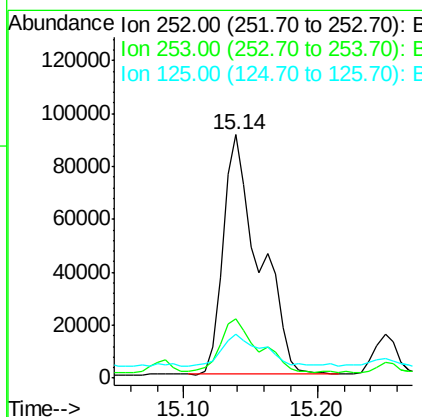
Manual Integrations
APPROVED

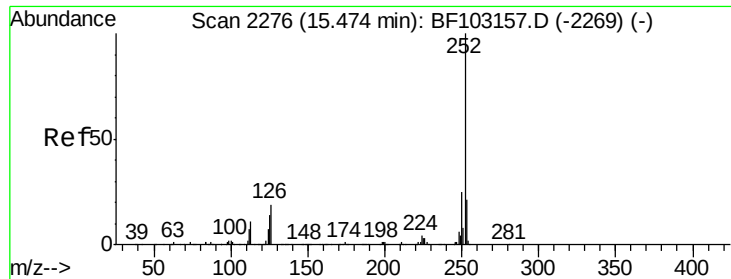
Sohil
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#88
Benzo(k)fluoranthene
Concen: 19.459 ng
RT: 15.14 min Scan# 2219
Delta R.T. -0.02 min
Lab File: BF103424.D
Acq: 5 Mar 2018 22:15

Tgt Ion	Ratio	Lower	Upper
252	100		
253	24.2	17.9	26.9
125	18.2	10.2	15.2





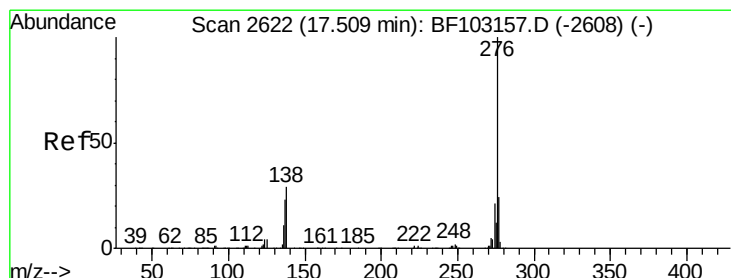
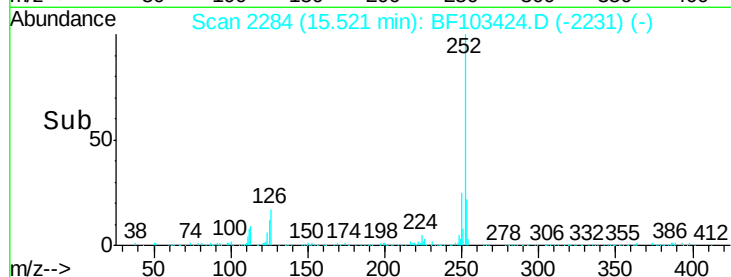
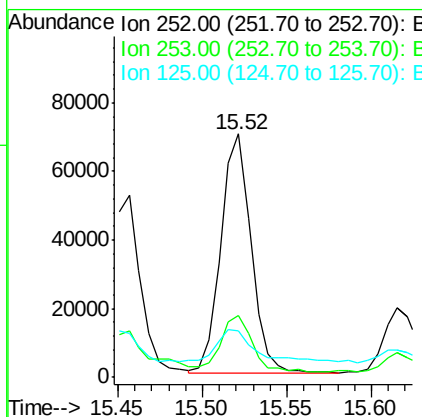
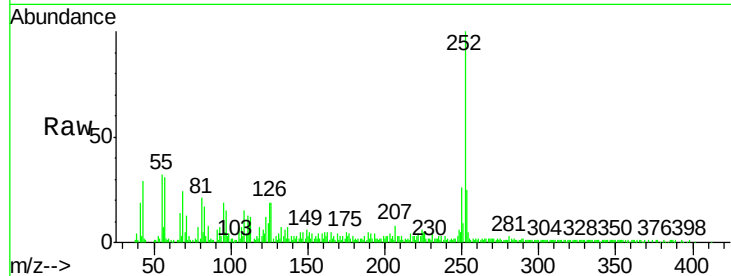
#89
Benzo(a)pyrene
Concen: 10.580 ng
RT: 15.52 min Scan# 2284
Delta R.T. 0.01 min
Lab File: BF103424.D
Acq: 5 Mar 2018 22:15

Instrument :
BNA_F
ClientSampleId :
SP-4

Tot Ion	Ratio	Lower	Upper
252	100		
253	25.3	17.1	25.7
125	19.1	9.8	14.6

Manual Integrations
APPROVED

Sohil
3/6/2018 4:23:30 PM



#91
Benzo(g,h,i)perylene
Concen: 7.149 ng
RT: 17.60 min Scan# 2638
Delta R.T. 0.02 min
Lab File: BF103424.D
Acq: 5 Mar 2018 22:15

Tgt Ion	Ratio	Lower	Upper
276	100		
277	25.6	17.9	26.9
138	31.3	21.8	32.8

