

Data Path : Z:\HPCHEM1\BNA F\DATA\BF030218\
 Data File : BF103374.D
 Acq On : 2 Mar 2018 19:18
 Operator : SJ/JU
 Sample : J1720-13
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SP-49

Manual Integrations
 APPROVED

Sohil
 3/5/2018 3:13:29 PM

Quant Time: Mar 02 22:56:52 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	157741	20.00	ng	0.00
21) Naphthalene-d8	8.16	136	658513	20.00	ng	0.00
38) Acenaphthene-d10	9.92	164	253440	20.00	ng	0.00
63) Phenanthrene-d10	11.40	188	357380	20.00	ng	-0.01
75) Chrysene-d12	14.06	240	238205	20.00	ng	0.00
86) Perylene-d12	15.57	264	220819	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.50	112	1150387	110.30	ng	0.00
7) Phenol-d6	6.52	99	1351512	105.90	ng	0.00
23) Nitrobenzene-d5	7.45	82	897926	77.87	ng	0.00
41) 2,4,6-Tribromophenol	10.71	330	199738	93.11	ng	0.00
44) 2-Fluorobiphenyl	9.23	172	1191224	79.78	ng	0.00
78) Terphenyl-d14	12.99	244	723387	73.00	ng	0.00
Target Compounds						
49) Dimethylphthalate	9.62	163	167889	8.258	ng	Qvalue # 98
70) Phenanthrene	11.43	178	194844	9.907	ng	98
71) Anthracene	11.49	178	63118	3.130	ng	99
74) Fluoranthene	12.63	202	342272	17.318	ng	99
77) Pyrene	12.86	202	346037	18.632	ng	100
80) Benzo(a)anthracene	14.05	228	175047m	11.326	ng	
82) Chrysene	14.09	228	180175m	12.006	ng	
83) Bis(2-ethylhexyl)phthalate	14.02	149	85215	6.436	ng	# 98
85) Indeno(1,2,3-cd)pyrene	17.12	276	73359	6.175	ng	96
87) Benzo(b)fluoranthene	15.13	252	206997m	14.257	ng	
88) Benzo(k)fluoranthene	15.16	252	77568m	5.674	ng	
89) Benzo(a)pyrene	15.51	252	143424	11.062	ng	# 89
90) Dibenzo(a,h)anthracene	17.11	278	21139	2.110	ng	# 53
91) Benzo(a,h,i)perylene	17.59	276	73776	7.535	ng	# 87

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

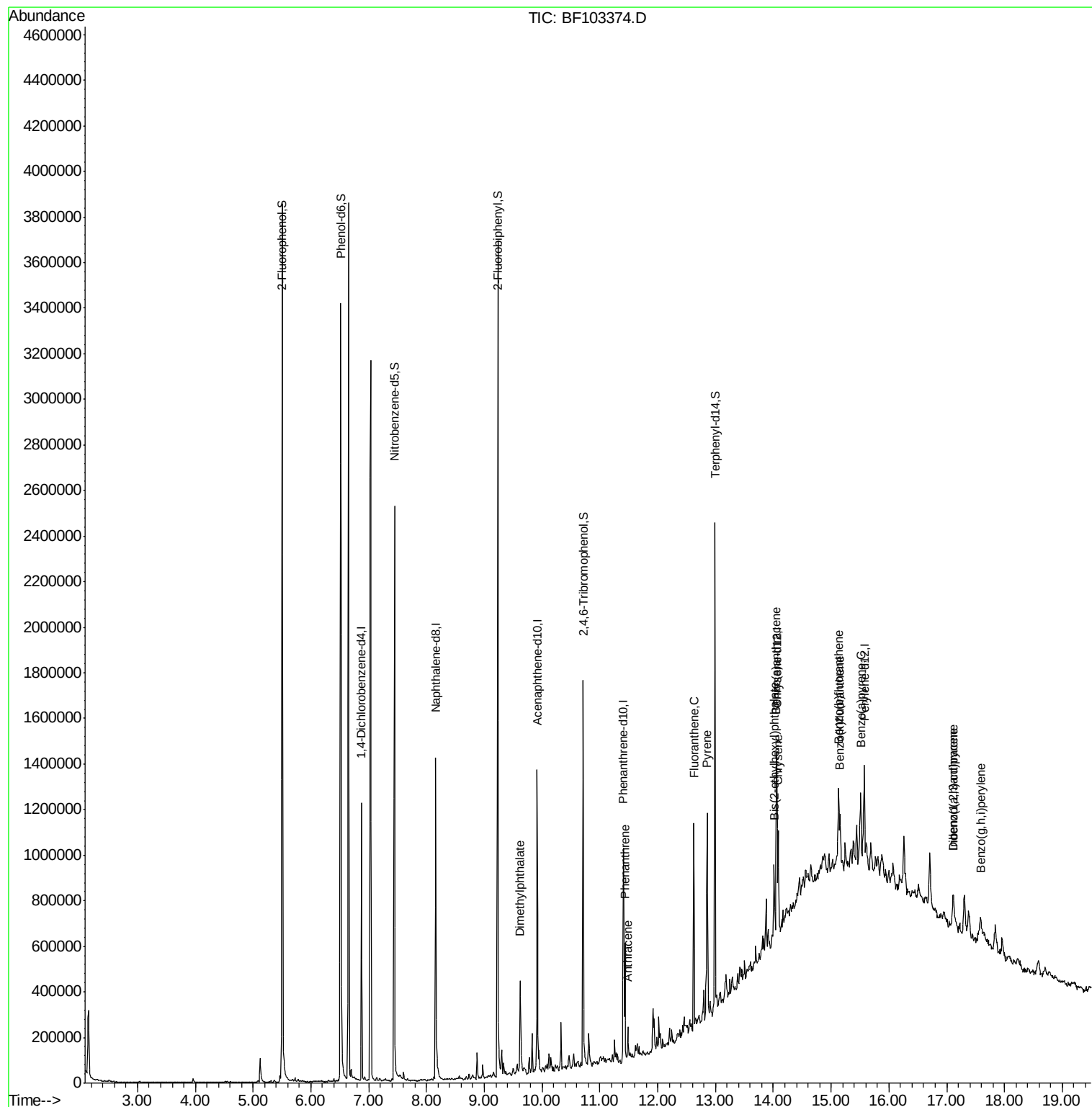
Data Path : Z:\HPCHEM1\BNA F\DATA\BF030218\
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ALS Vial : 10 Sample Multiplier: 1

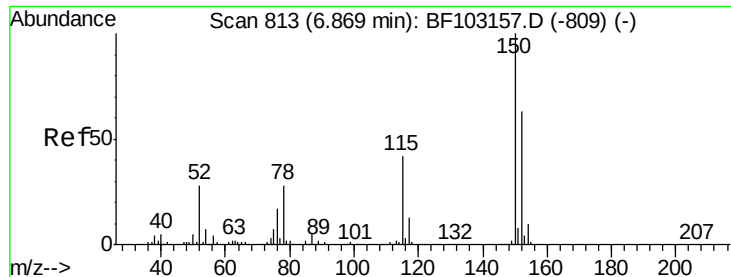
Instrument :
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SP-49

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#1

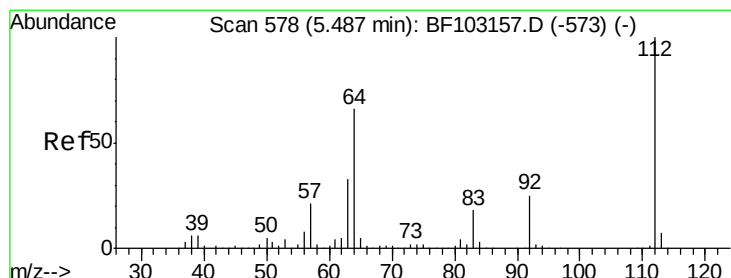
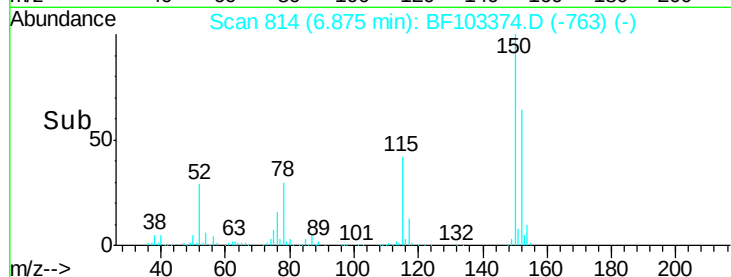
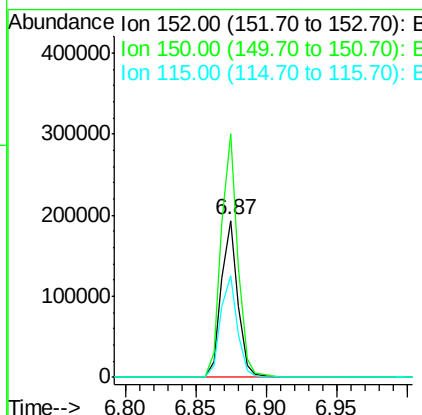
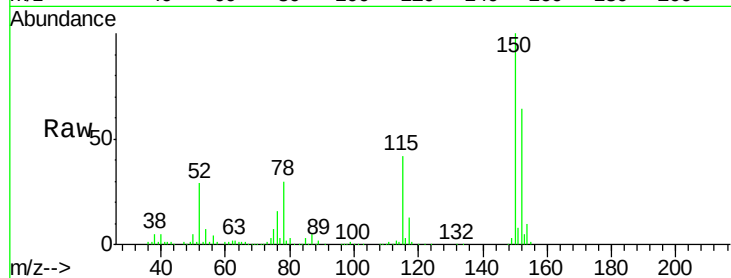
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.87 min Scan# 814
Delta R.T. -0.00 min
Lab File: BF103374.D
Acq: 2 Mar 2018 19:18

Instrument :
BNA_F
ClientSampled :
SP-49

Tot Ion	Ratio	Lower	Upper
152	100		
150	155.3	124.6	186.8
115	64.6	50.1	75.1

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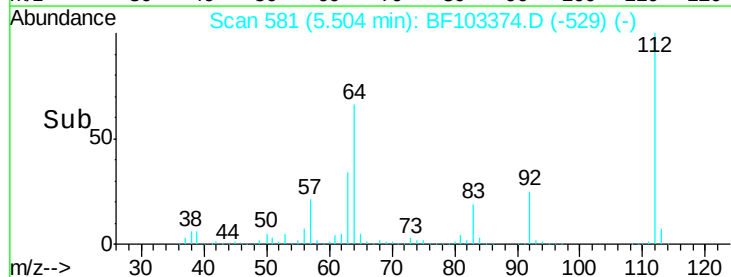
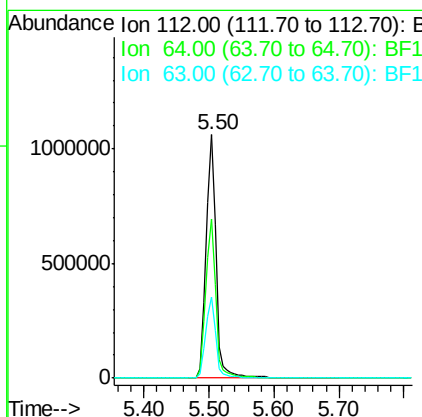
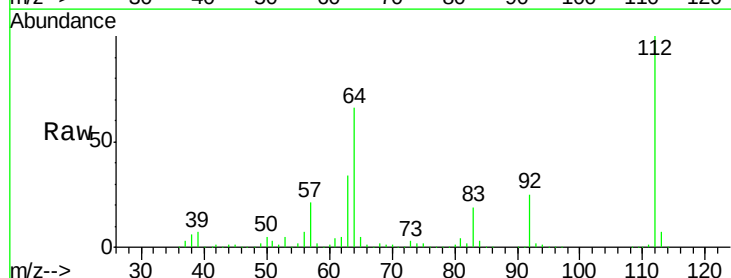
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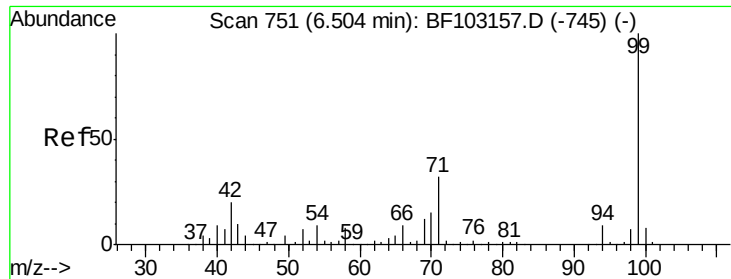


#5

2-Fluorophenol
Concen: 110.300 ng
RT: 5.50 min Scan# 581
Delta R.T. 0.01 min
Lab File: BF103374.D
Acq: 2 Mar 2018 19:18

Tgt Ion	Ratio	Lower	Upper
112	100		
64	65.5	47.9	71.9
63	33.6	23.7	35.5





#7

Phenol-d6

Concen: 105.899 ng

RT: 6.52 min Scan# 753

Delta R.T. -0.00 min

Lab File: BF103374.D

Acq: 2 Mar 2018 19:18

Instrument :

BNA_F

ClientSampled :

SP-49

Tot Ion: 99 Resp: 1351512

Ion Ratio Lower Upper

99 100

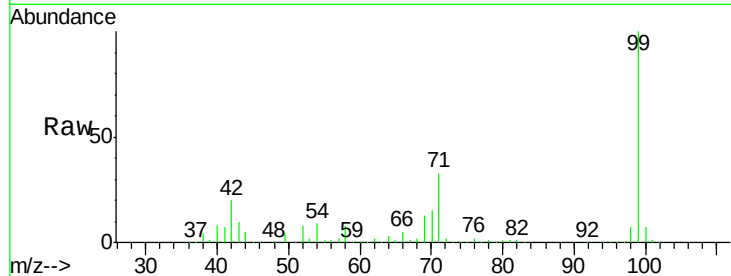
42 20.5 14.5 21.7

71 33.1 25.4 38.0

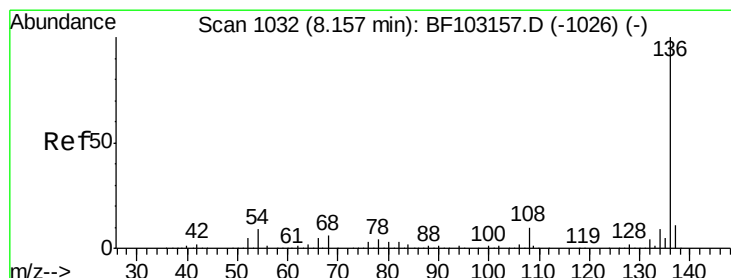
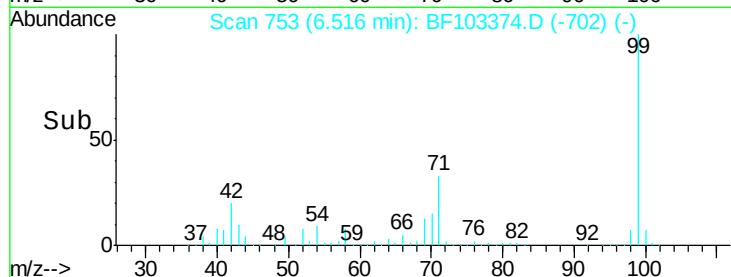
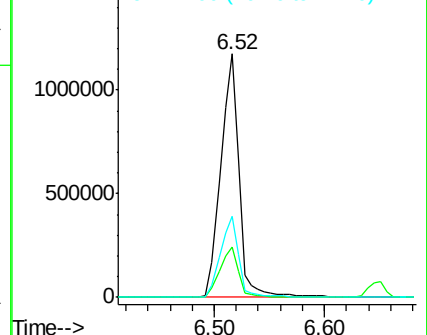
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Abundance Ion 99.00 (98.70 to 99.70): BF1
Ion 42.00 (41.70 to 42.70): BF1
Ion 71.00 (70.70 to 71.70): BF1



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.16 min Scan# 1032

Delta R.T. -0.01 min

Lab File: BF103374.D

Acq: 2 Mar 2018 19:18

Tgt Ion: 136 Resp: 658513

Ion Ratio Lower Upper

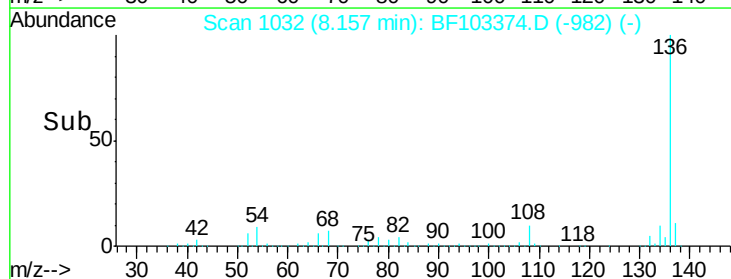
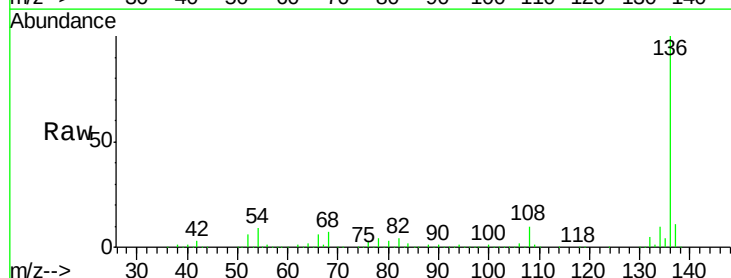
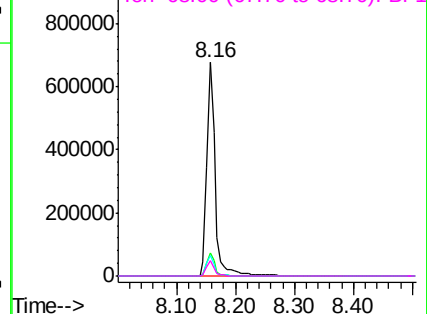
136 100

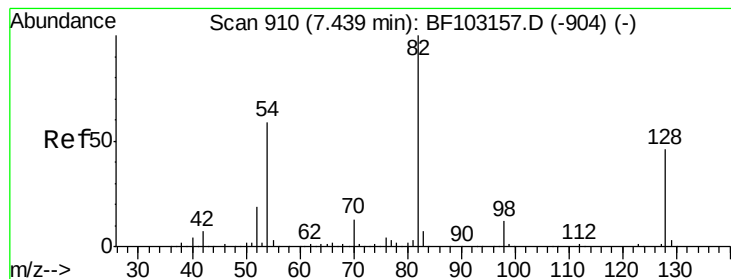
137 11.0 8.9 13.3

54 9.5 6.6 9.8

68 7.0 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: 77.871 ng

RT: 7.45 min Scan# 911

Delta R.T. -0.01 min

Lab File: BF103374.D

Acq: 2 Mar 2018 19:18

Instrument :

BNA_F

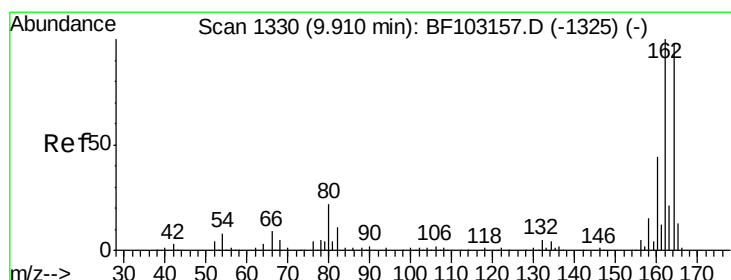
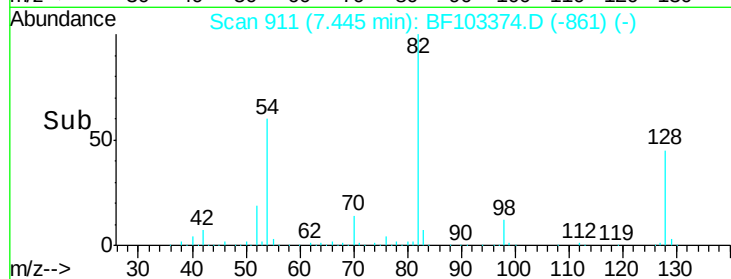
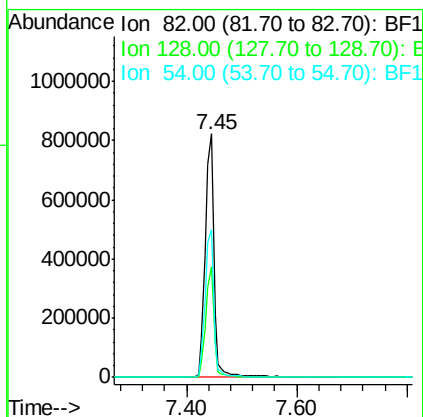
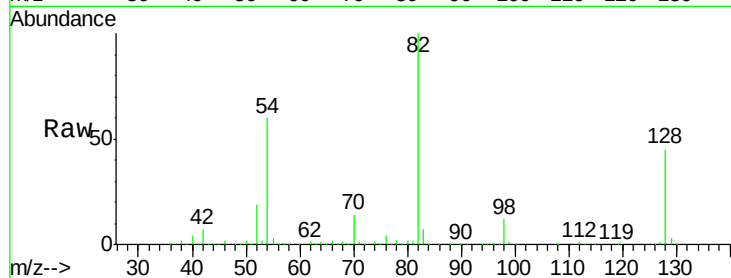
ClientSampled :

SP-49

Tot Ion:	82	Resp:	897926
Ion Ratio	Lower	Upper	
82	100		
128	45.2	36.1	54.1
54	60.5	41.4	62.2

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#38

Acenaphthene-d10

Concen: 20.000 ng

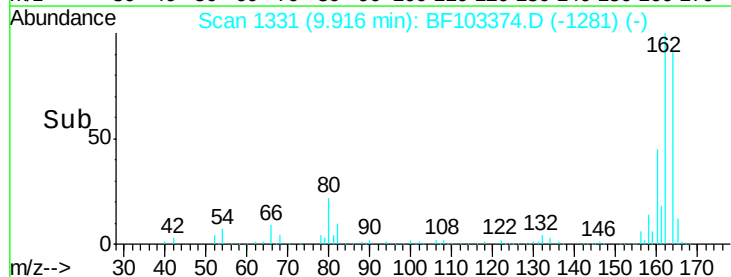
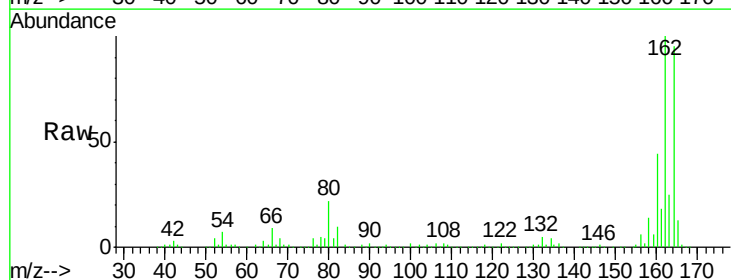
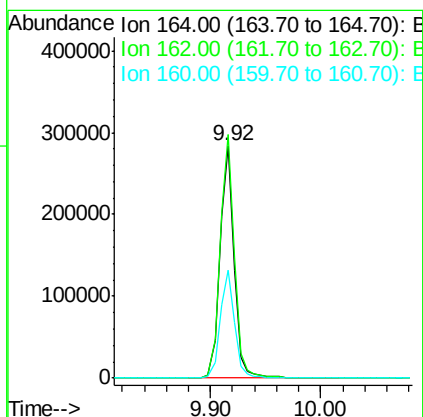
RT: 9.92 min Scan# 1331

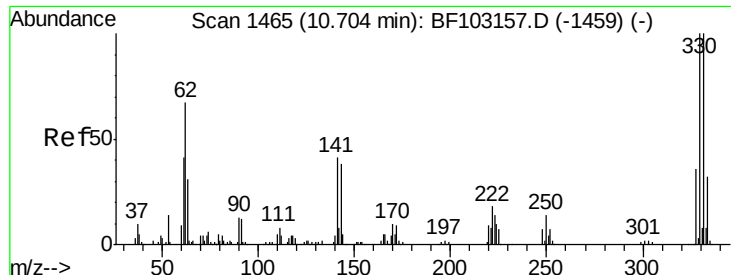
Delta R.T. -0.01 min

Lab File: BF103374.D

Acq: 2 Mar 2018 19:18

Tgt Ion:	164	Resp:	253440
Ion Ratio	Lower	Upper	
164	100		
162	104.9	86.1	129.1
160	46.6	38.3	57.5





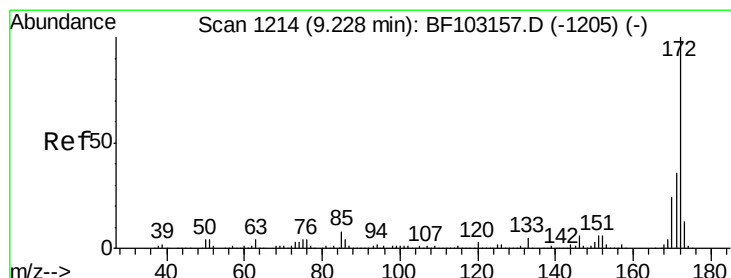
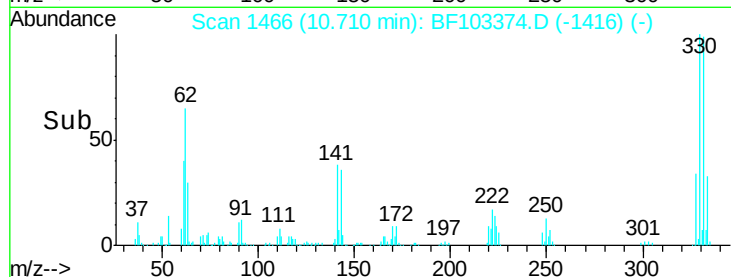
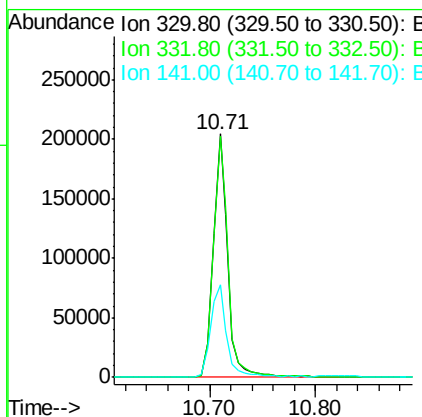
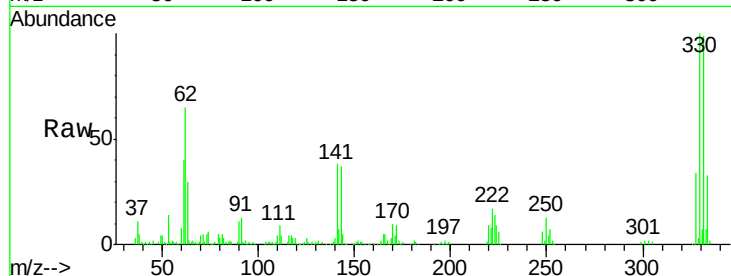
#41
 2,4,6-Tribromophenol
 Concen: 93.108 ng
 RT: 10.71 min Scan# 1466
 Delta R.T. -0.01 min
 Lab File: BF103374.D
 Acq: 2 Mar 2018 19:18

Instrument :
 BNA_F
 ClientSampled :
 SP-49

Tot Ion	Ratio	Lower	Upper
330	100		
332	101.0	77.0	115.6
141	41.2	29.9	44.9

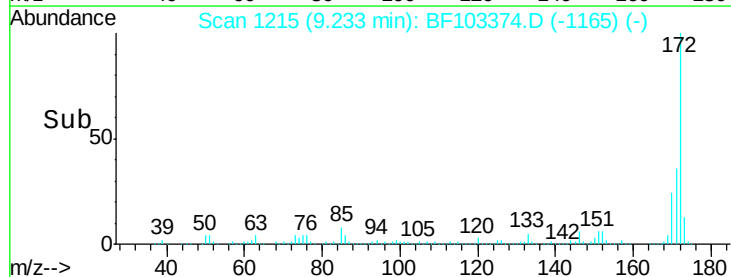
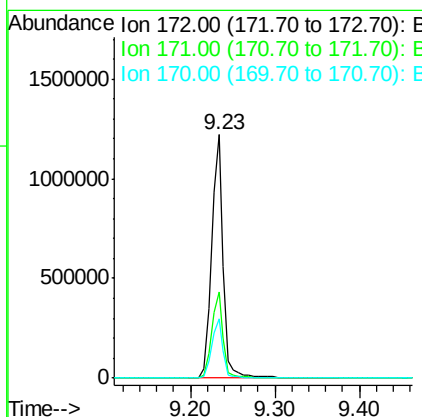
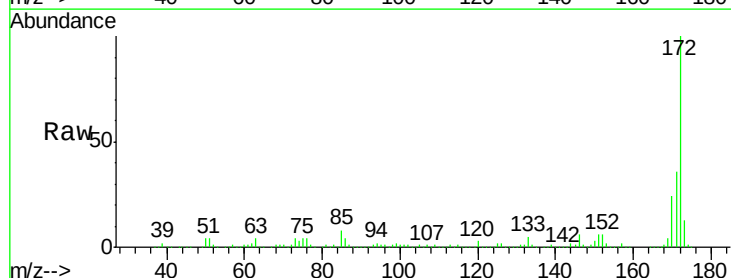
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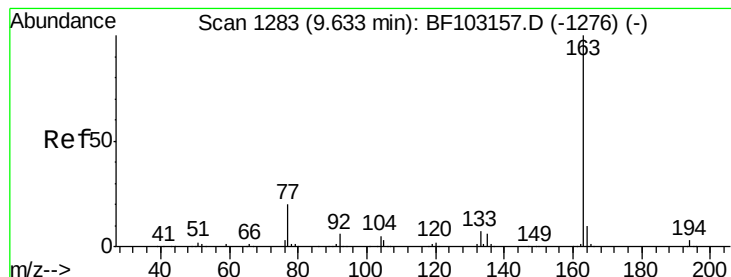
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#44
 2-Fluorobiphenyl
 Concen: 79.783 ng
 RT: 9.23 min Scan# 1215
 Delta R.T. -0.01 min
 Lab File: BF103374.D
 Acq: 2 Mar 2018 19:18

Tgt Ion	Ratio	Lower	Upper
172	100		
171	35.6	29.7	44.5
170	24.4	19.6	29.4





#49

Dimethylphthalate

Concen: 8.258 ng

RT: 9.62 min Scan# 1281

Delta R.T. -0.02 min

Lab File: BF103374.D

Acq: 2 Mar 2018 19:18

Instrument :

BNA_F

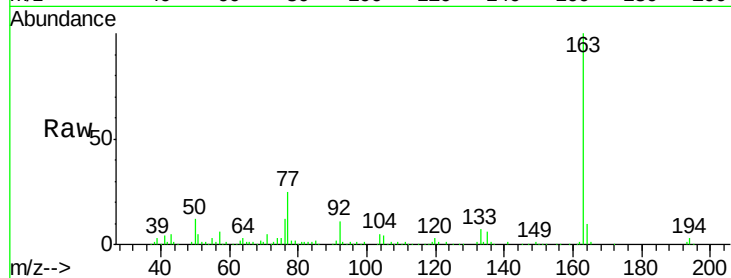
ClientSampled :

SP-49

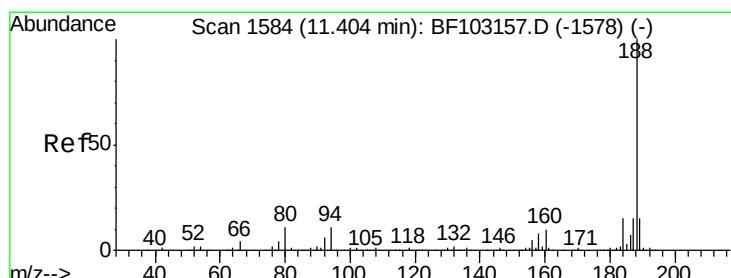
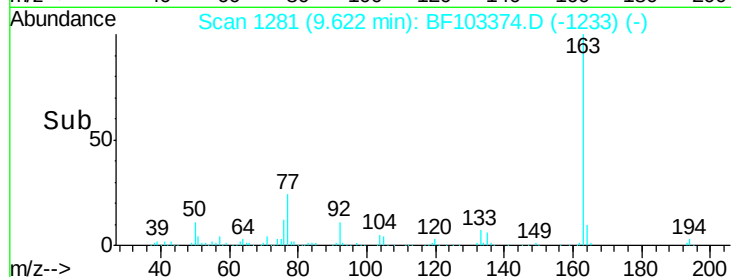
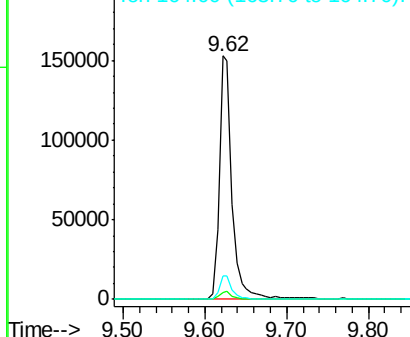
Tot Ion:	163	Resp:	167889
Ion Ratio	Lower	Upper	
163	100		
194	2.6	2.7	4.1#
164	9.7	8.2	12.2

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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

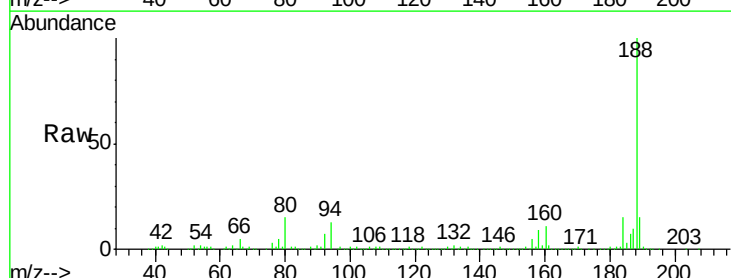
RT: 11.40 min Scan# 1584

Delta R.T. -0.01 min

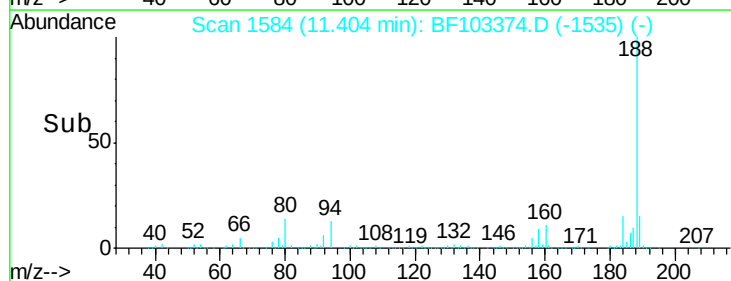
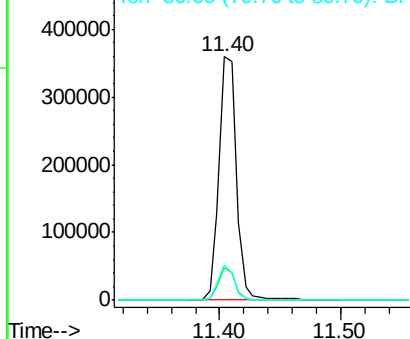
Lab File: BF103374.D

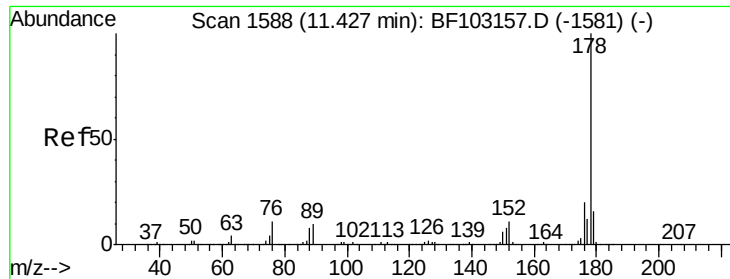
Acq: 2 Mar 2018 19:18

Tgt Ion:	188	Resp:	357380
Ion Ratio	Lower	Upper	
188	100		
94	13.1	8.5	12.7#
80	14.5	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: 9.907 ng

RT: 11.43 min Scan# 1589

Delta R.T. -0.01 min

Lab File: BF103374.D

Acq: 2 Mar 2018 19:18

Instrument :

BNA_F

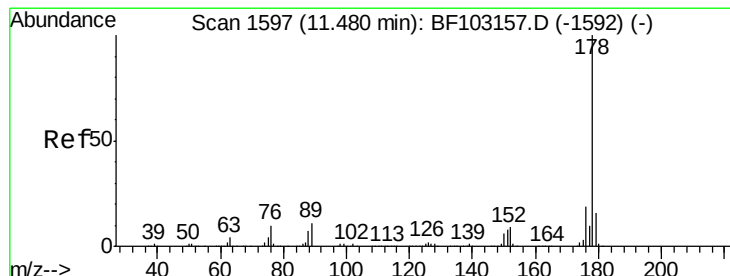
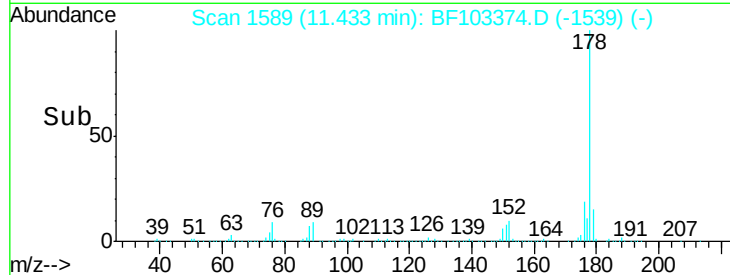
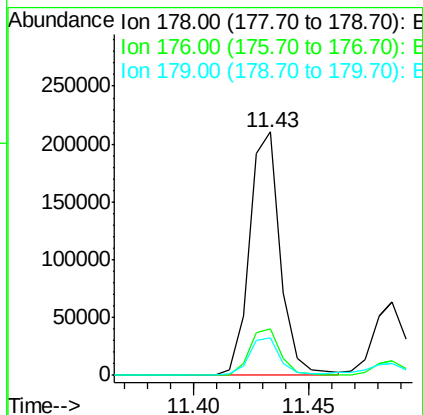
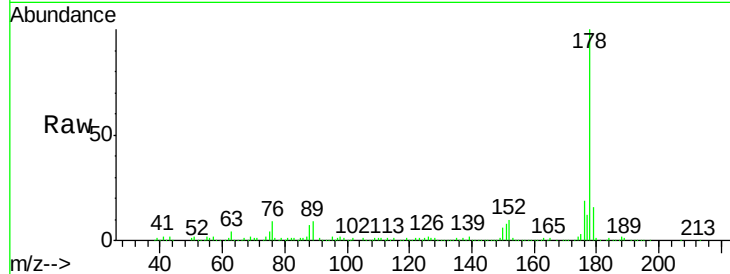
ClientSampleId :

SP-49

Tot Ion:	178	Resp:	194844
Ion Ratio	Lower	Upper	
178	100		
176	19.1	15.8	23.8
179	15.5	13.0	19.6

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#71

Anthracene

Concen: 3.130 ng

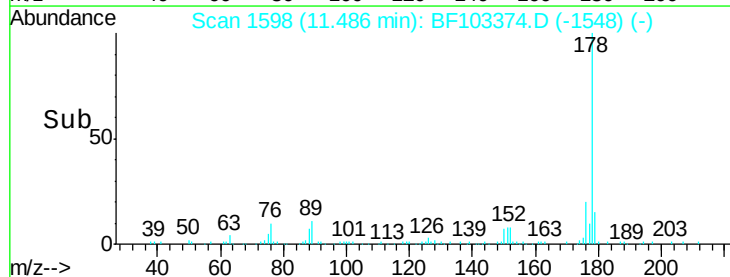
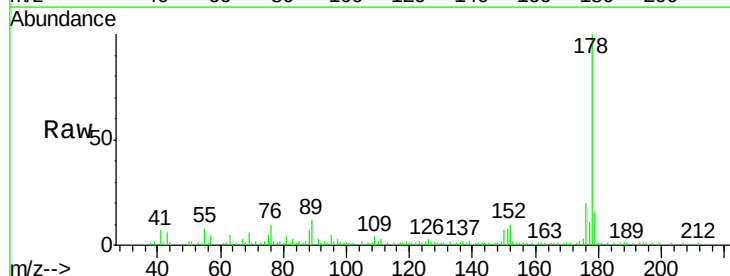
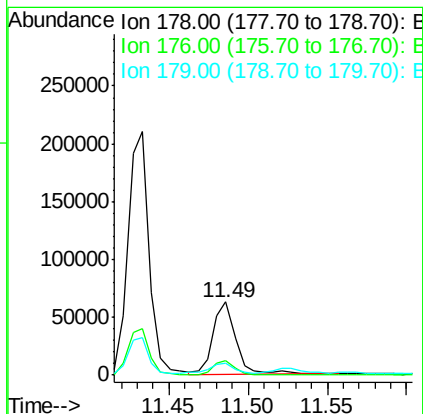
RT: 11.49 min Scan# 1598

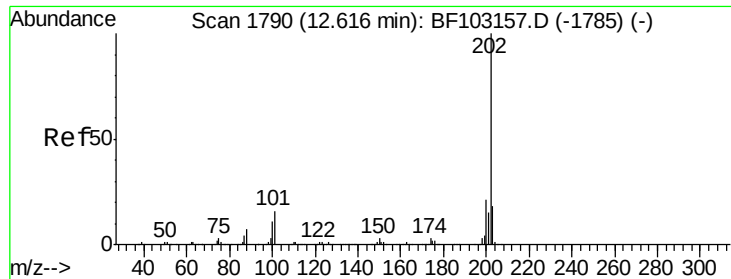
Delta R.T. -0.01 min

Lab File: BF103374.D

Acq: 2 Mar 2018 19:18

Tgt Ion:	178	Resp:	63118
Ion Ratio	Lower	Upper	
178	100		
176	20.0	15.4	23.2
179	15.9	12.6	19.0





#74

Fluoranthene

Concen: 17.318 ng

RT: 12.63 min Scan# 1792

Delta R.T. -0.01 min

Lab File: BF103374.D

Acq: 2 Mar 2018 19:18

Instrument :

BNA_F

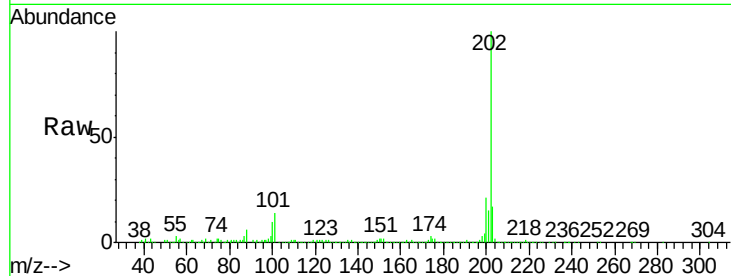
ClientSampled :

SP-49

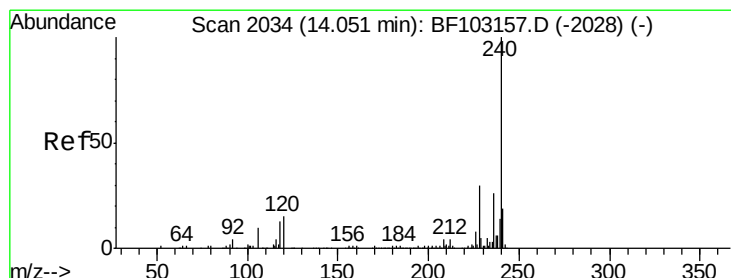
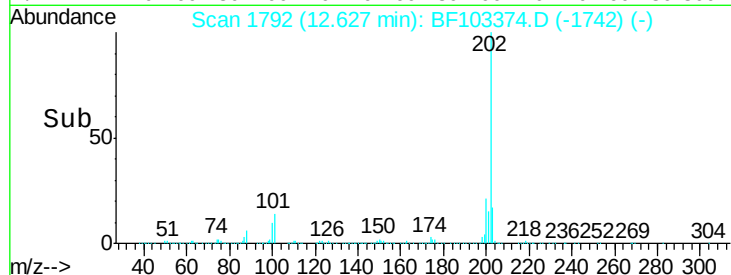
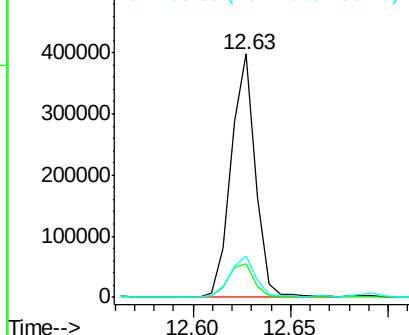
Tot Ion:	202	Resp:	342272
Ion Ratio	Lower	Upper	
202	100		
101	13.9	0.0	34.1
203	17.3	0.0	38.1

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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

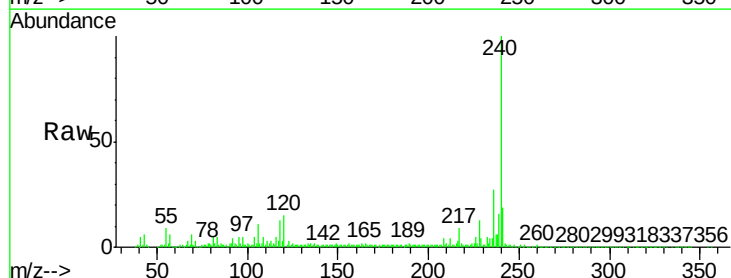
RT: 14.06 min Scan# 2036

Delta R.T. -0.01 min

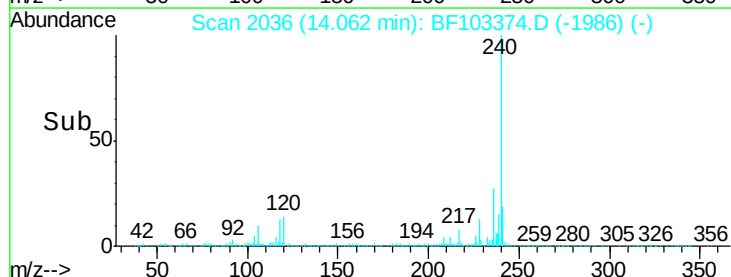
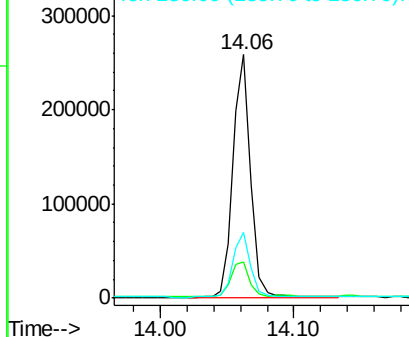
Lab File: BF103374.D

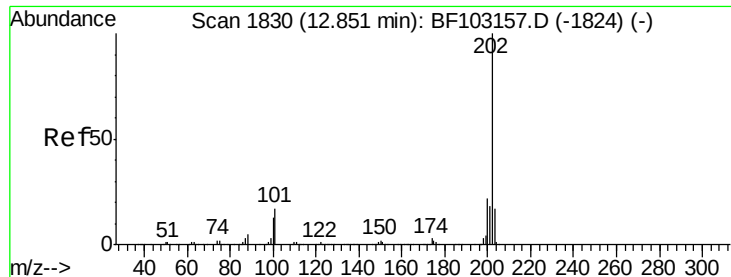
Acq: 2 Mar 2018 19:18

Tgt Ion:	240	Resp:	238205
Ion Ratio	Lower	Upper	
240	100		
120	14.6	9.5	14.3#
236	26.8	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: 18.632 ng

RT: 12.86 min Scan# 1831

Delta R.T. -0.01 min

Lab File: BF103374.D

Acq: 2 Mar 2018 19:18

Instrument :

BNA_F

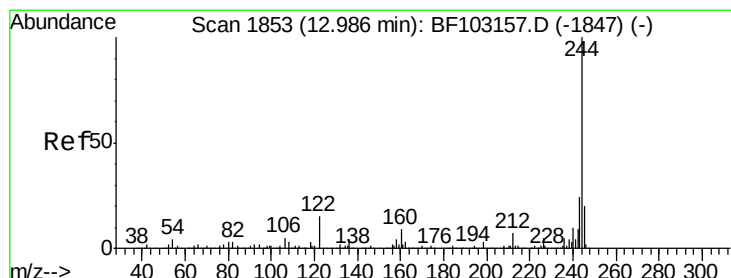
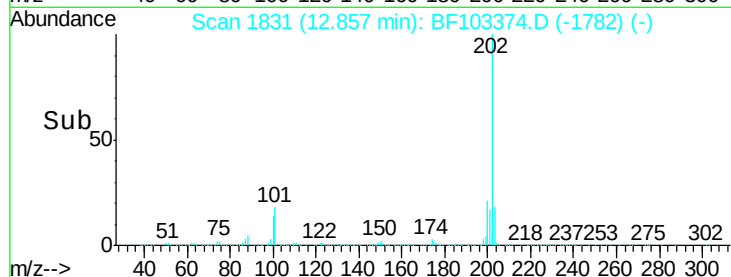
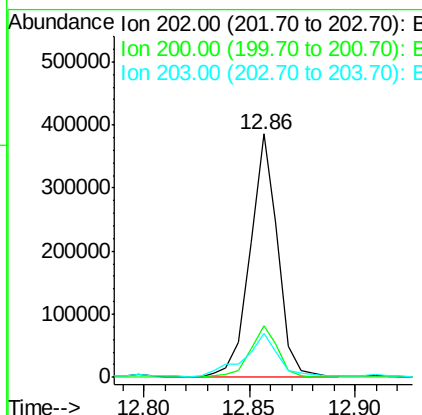
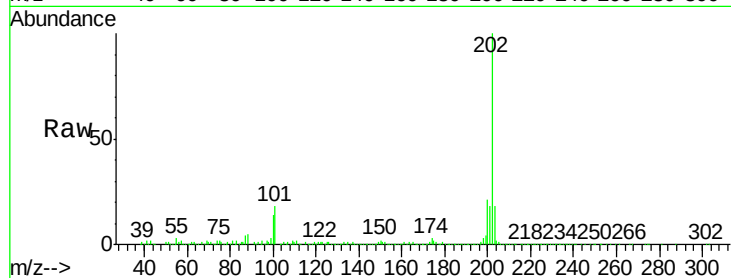
ClientSampled :

SP-49

Tot Ion:	202	Resp:	346037
Ion Ratio		Lower	Upper
202	100		
200	21.5	17.4	26.2
203	17.9	14.3	21.5

Manual Integrations
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3/5/2018 3:13:29 PM



#78

Terphenyl-d14

Concen: 73.001 ng

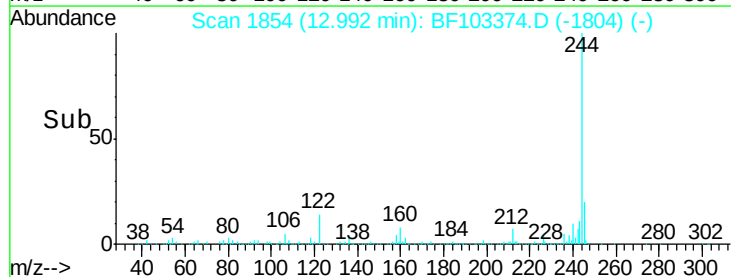
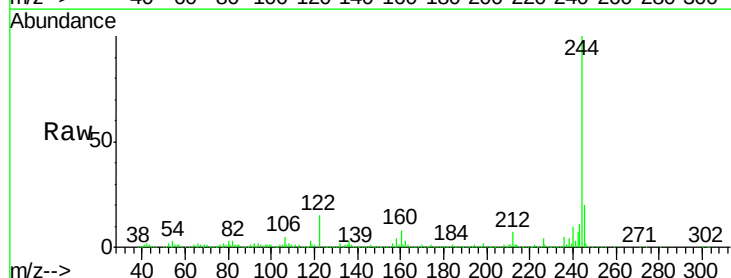
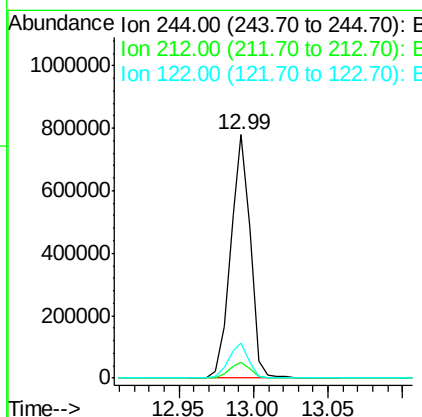
RT: 12.99 min Scan# 1854

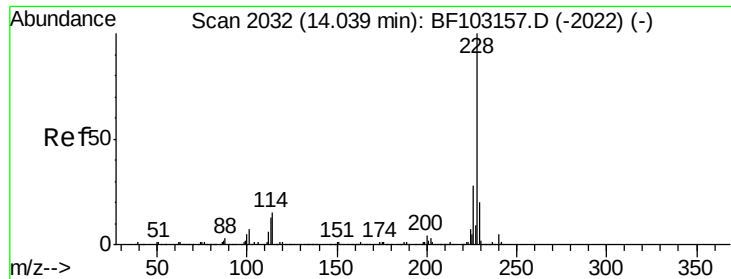
Delta R.T. -0.01 min

Lab File: BF103374.D

Acq: 2 Mar 2018 19:18

Tgt Ion:	244	Resp:	723387
Ion Ratio		Lower	Upper
244	100		
212	6.7	5.4	8.0
122	14.5	11.0	16.4





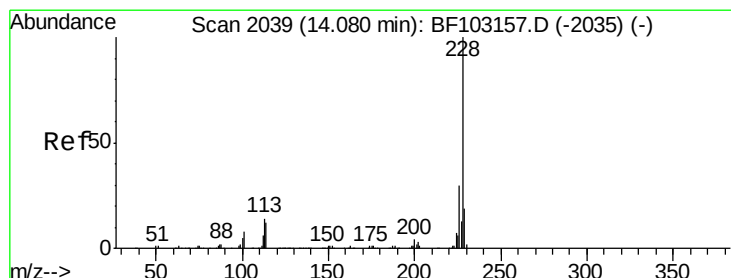
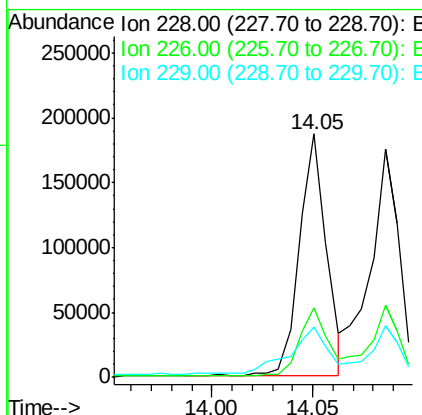
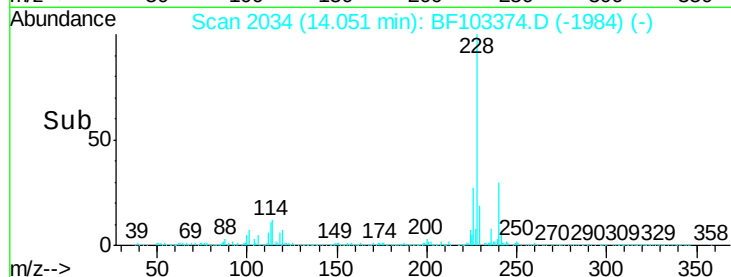
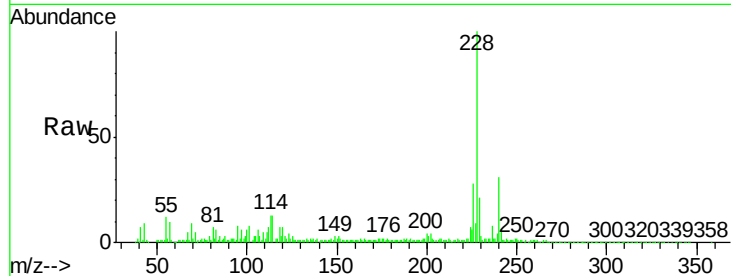
#80
Benzo(a)anthracene
Concen: 11.326 ng m
RT: 14.05 min Scan# 2034
Delta R.T. -0.01 min
Lab File: BF103374.D
Acq: 2 Mar 2018 19:18

Instrument :
BNA_F
ClientSampled :
SP-49

Tot Ion	Ratio	Lower	Upper
228	100		
226	28.4	22.6	33.8
229	20.9	15.8	23.6

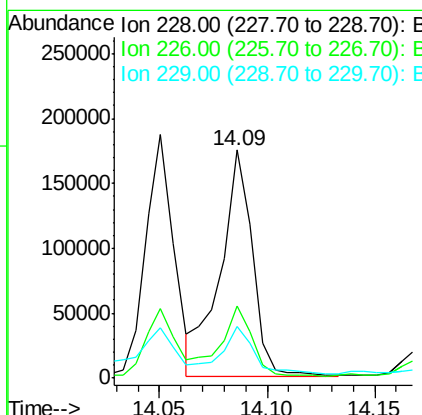
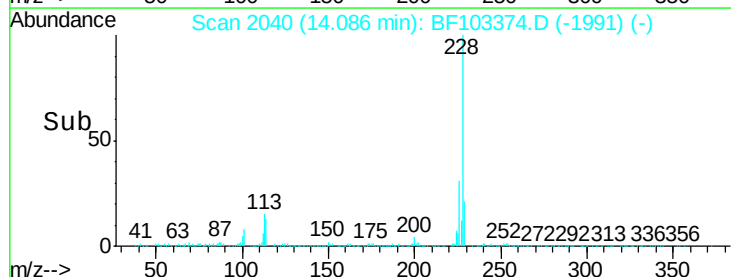
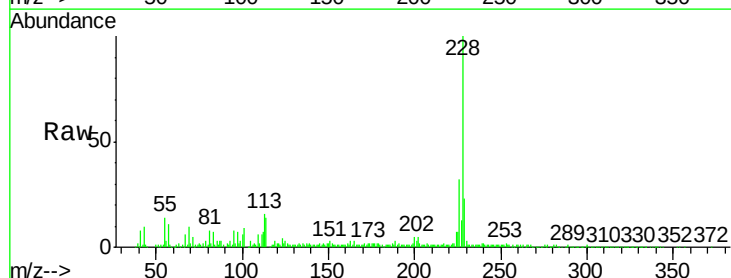
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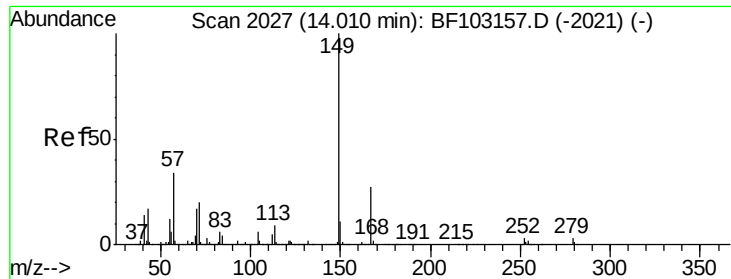
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3/5/2018 3:13:29 PM



#82
Chrysene
Concen: 12.006 ng m
RT: 14.09 min Scan# 2040
Delta R.T. -0.01 min
Lab File: BF103374.D
Acq: 2 Mar 2018 19:18

Tgt Ion	Ratio	Lower	Upper
228	100		
226	31.6	25.0	37.6
229	22.9	16.2	24.4





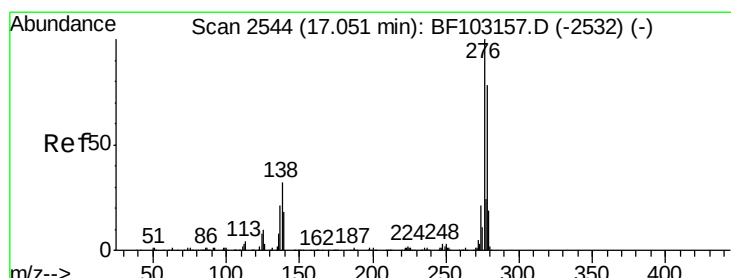
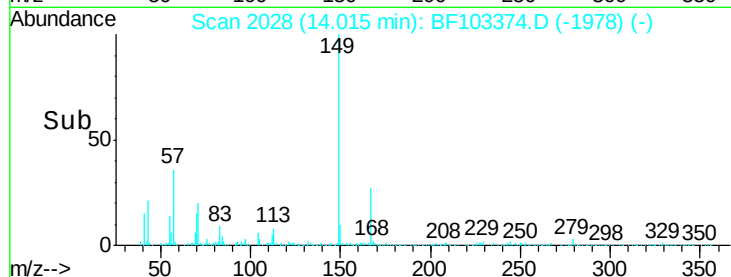
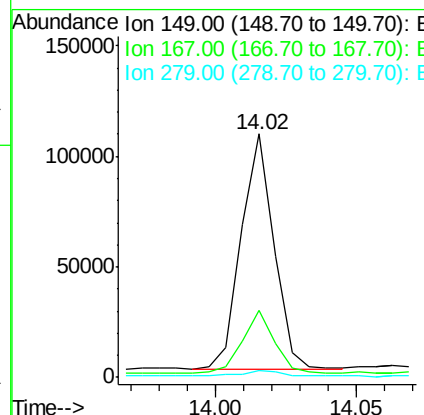
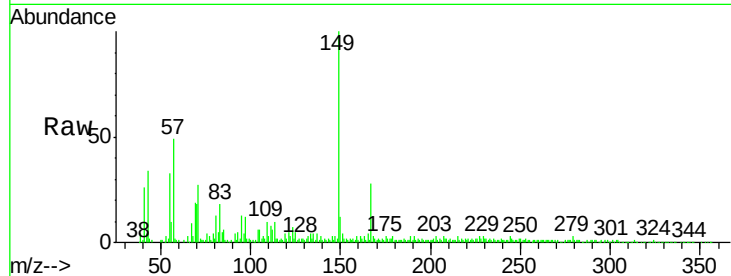
#83
 Bis(2-ethylhexyl)phthalate
 Concen: 6.436 ng
 RT: 14.02 min Scan# 2028
 Delta R.T. -0.01 min
 Lab File: BF103374.D
 Acq: 2 Mar 2018 19:18

Instrument :
 BNA_F
 ClientSampled :
 SP-49

Tot Ion	Ratio	Resp Lower	Upper
149	100		
167	27.5	21.3	31.9
279	2.9	3.0	4.4#

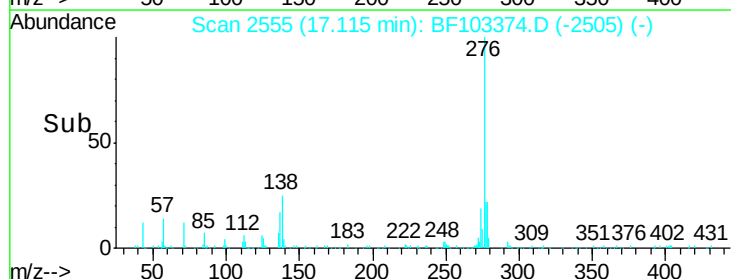
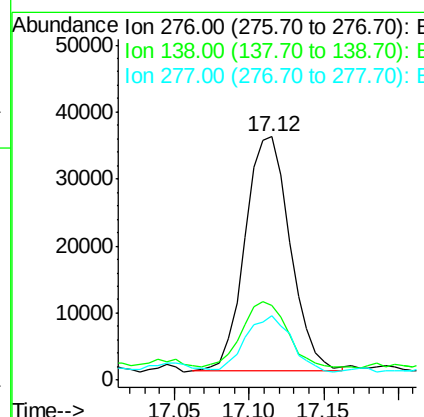
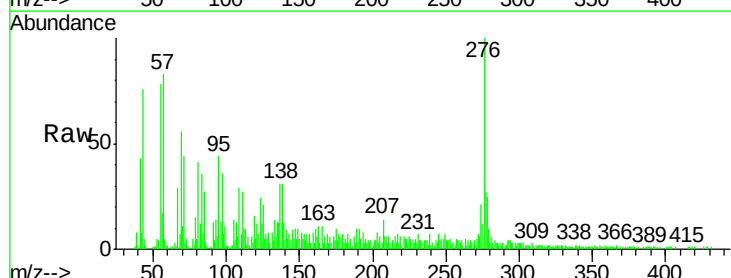
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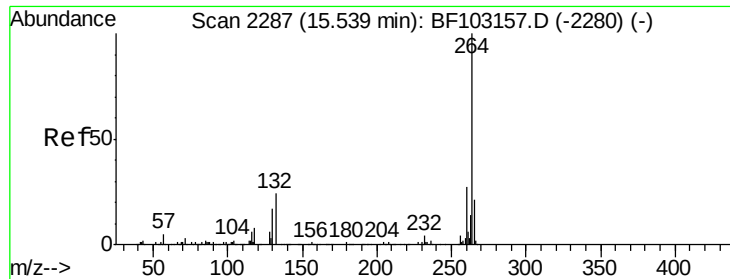
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#85
 Indeno(1,2,3-cd)pyrene
 Concen: 6.175 ng
 RT: 17.12 min Scan# 2555
 Delta R.T. -0.01 min
 Lab File: BF103374.D
 Acq: 2 Mar 2018 19:18

Tgt Ion	Ratio	Resp Lower	Upper
276	100		
138	28.5	25.0	37.6
277	24.1	20.1	30.1





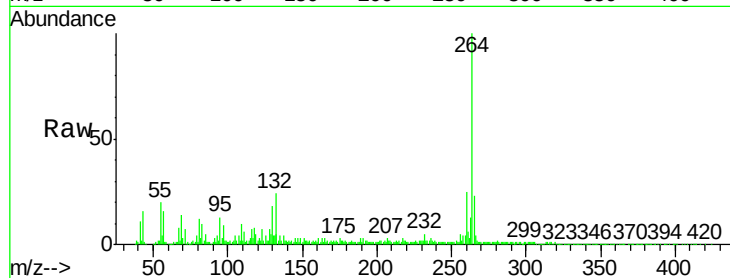
#86
Pervlene-d12
Concen: 20.000 ng
RT: 15.57 min Scan# 2293
Delta R.T. 0.01 min
Lab File: BF103374.D
Acq: 2 Mar 2018 19:18

Instrument :
BNA_F
ClientSampled :
SP-49

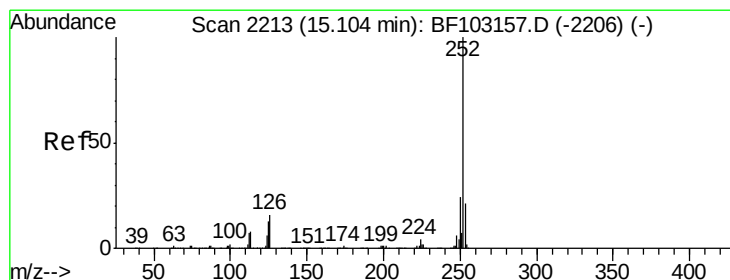
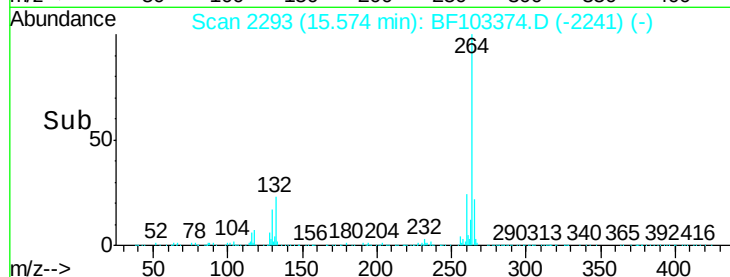
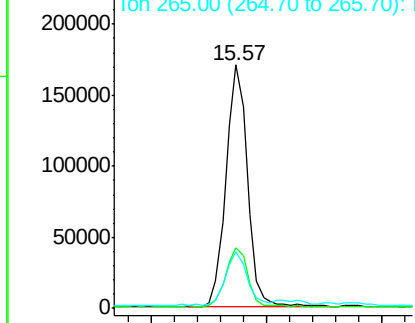
Tot Ion	Ratio	Lower	Upper
264	100		
260	24.7	19.2	28.8
265	23.3	17.5	26.3

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3/5/2018 3:13:29 PM

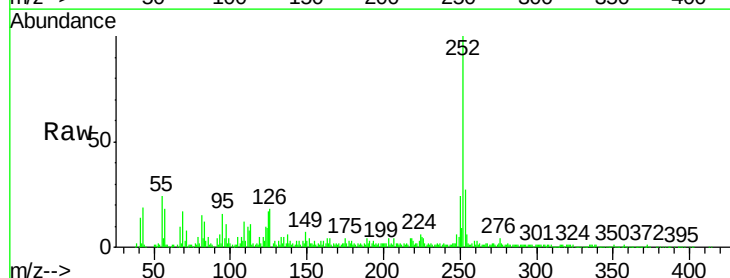


Abundance Ion 264.00 (263.70 to 264.70): E
Ion 260.00 (259.70 to 260.70): E
Ion 265.00 (264.70 to 265.70): E

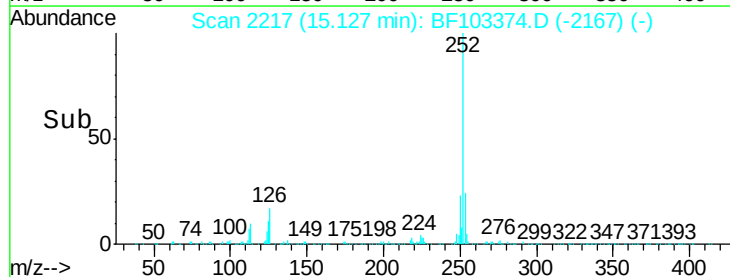
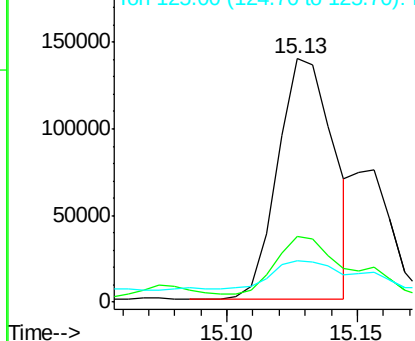


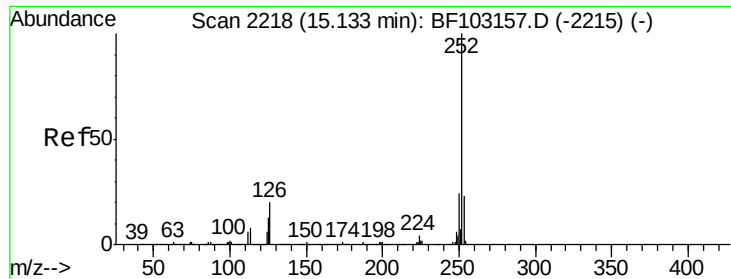
#87
Benzo(b)fluoranthene
Concen: 14.257 ng m
RT: 15.13 min Scan# 2217
Delta R.T. -0.01 min
Lab File: BF103374.D
Acq: 2 Mar 2018 19:18

Tgt Ion	Ratio	Lower	Upper
252	100		
253	26.8	17.0	25.6#
125	16.8	9.0	13.6#



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





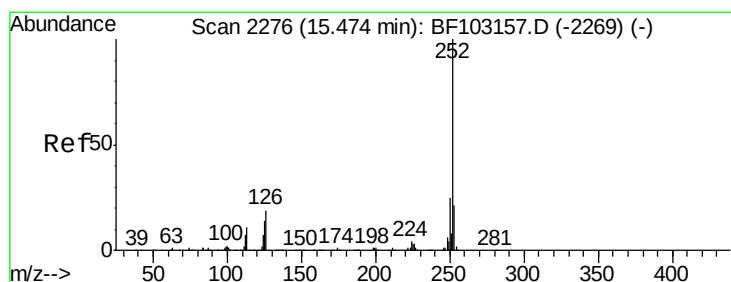
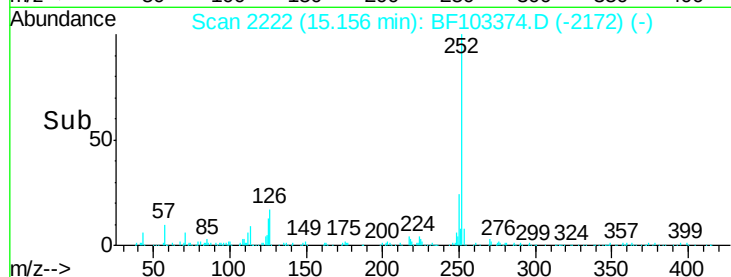
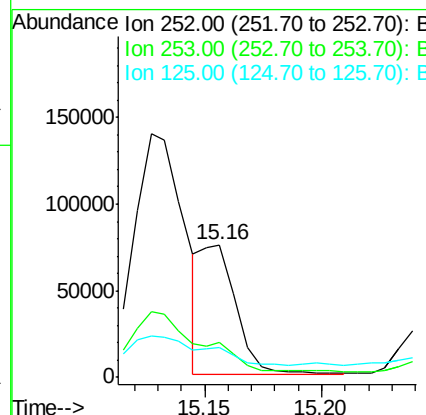
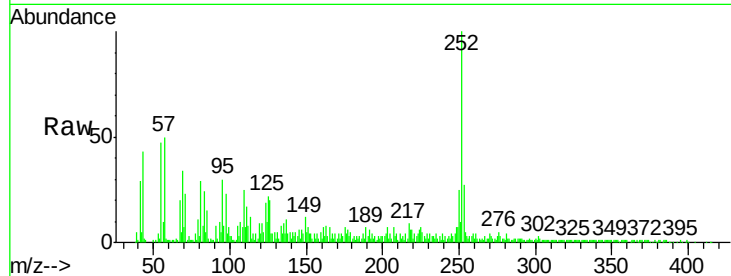
#88
Benzo(k)fluoranthene
Concen: 5.674 ng m
RT: 15.16 min Scan# 2222
Delta R.T. -0.01 min
Lab File: BF103374.D
Acq: 2 Mar 2018 19:18

Instrument :
BNA_F
ClientSampled :
SP-49

Tot Ion	Ratio	Lower	Upper
252	100		
253	26.5	17.9	26.9
125	22.3	10.2	15.2

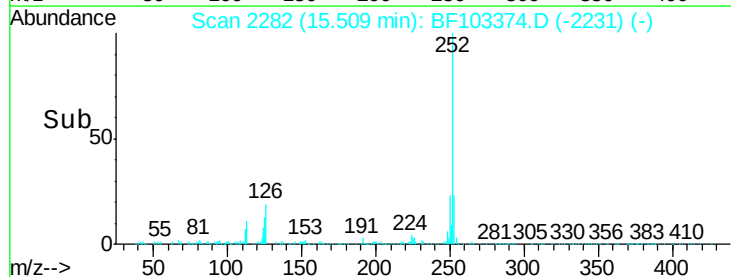
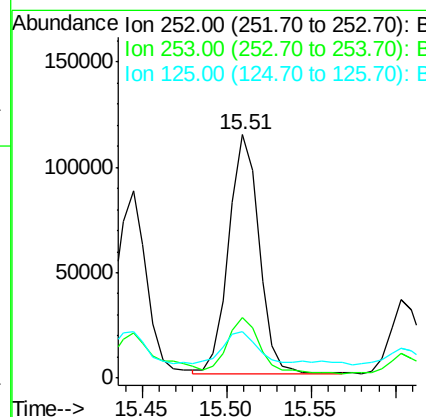
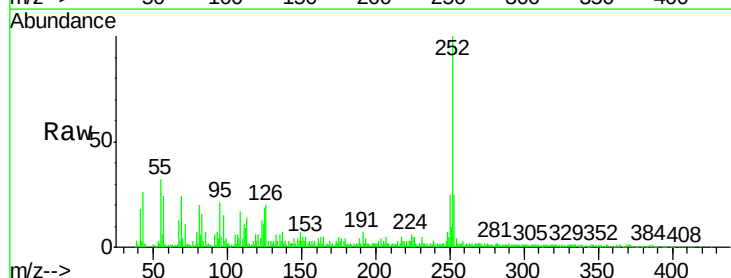
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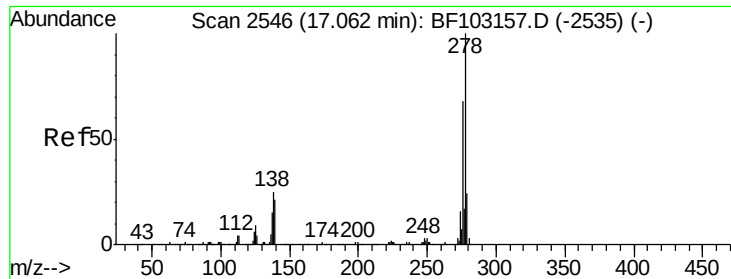
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3/5/2018 3:13:29 PM



#89
Benzo(a)pyrene
Concen: 11.062 ng
RT: 15.51 min Scan# 2282
Delta R.T. -0.00 min
Lab File: BF103374.D
Acq: 2 Mar 2018 19:18

Tgt Ion	Ratio	Lower	Upper
252	100		
253	24.9	17.1	25.7
125	19.1	9.8	14.6





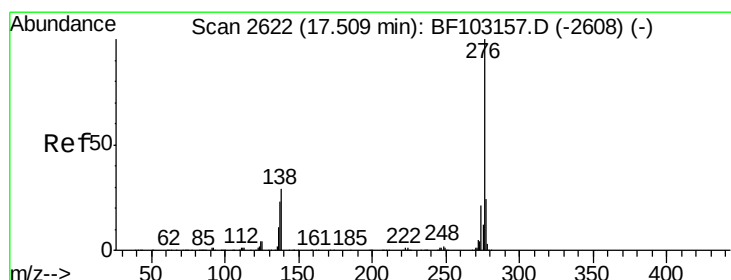
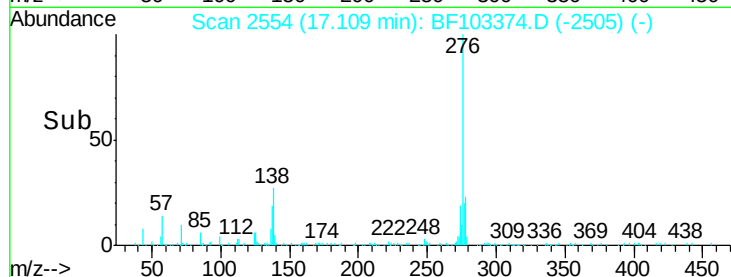
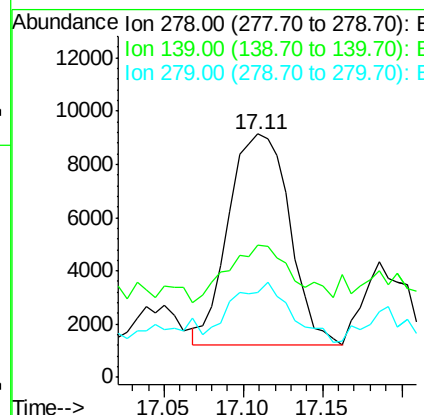
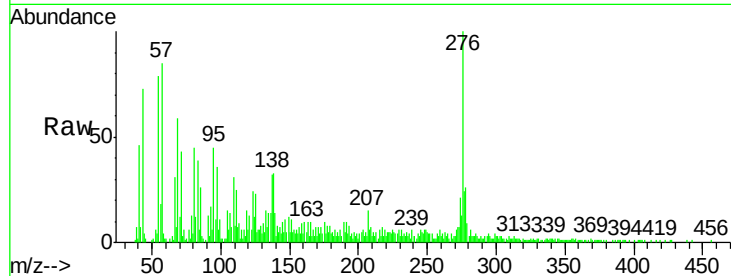
#90
Dibenzo(a,h)anthracene
Concen: 2.110 ng
RT: 17.11 min Scan# 2554
Delta R.T. -0.01 min
Lab File: BF103374.D
Acq: 2 Mar 2018 19:18

Instrument :
BNA_F
ClientSampleId :
SP-49

Tot Ion	Ratio	Lower	Upper
278	100		
139	54.4	15.9	23.9#
279	34.7	19.0	28.4#

Manual Integrations
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3/5/2018 3:13:29 PM



#91
Benzo(g,h,i)perylene
Concen: 7.535 ng
RT: 17.59 min Scan# 2635
Delta R.T. 0.01 min
Lab File: BF103374.D
Acq: 2 Mar 2018 19:18

Tgt Ion	Ratio	Lower	Upper
276	100		
277	29.4	17.9	26.9#
138	33.0	21.8	32.8#

