

Data Path : Z:\HPCHEM1\BNA F\DATA\BF050218\
 Data File : BF105049.D
 Acq On : 3 May 2018 00:17
 Operator : JU/SJ
 Sample : J2652-09DL 10X
 Misc :
 ALS Vial : 29 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 COMPOSITE-P4-WCDL

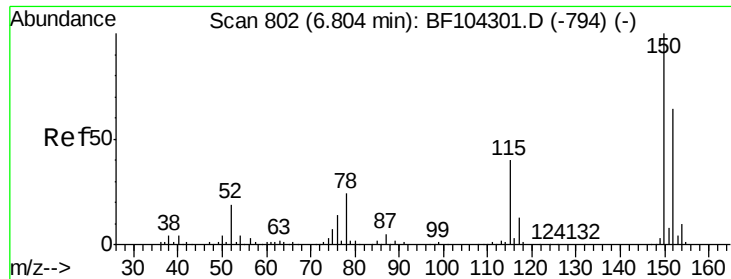
Manual Integrations
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Quant Time: May 03 13:02:49 2018
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF040618.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed May 02 17:25:18 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.79	152	81065	20.00	ng	0.00
21) Naphthalene-d8	8.07	136	327219	20.00	ng	0.00
38) Acenaphthene-d10	9.83	164	145462	20.00	ng	0.00
63) Phenanthrene-d10	11.32	188	236217	20.00	ng	0.00
75) Chrysene-d12	14.01	240	200001	20.00	ng	-0.02
86) Perylene-d12	15.56	264	157150	20.00	ng	-0.03
System Monitoring Compounds						
5) 2-Fluorophenol	5.40	112	43801	8.26	ng	0.00
7) Phenol-d6	6.43	99	53926	8.28	ng	0.00
23) Nitrobenzene-d5	7.36	82	29888	5.96	ng	-0.01
41) 2,4,6-Tribromophenol	10.63	330	10800	7.16	ng	0.00
44) 2-Fluorobiphenyl	9.15	172	57037	6.19	ng	-0.01
78) Terphenyl-d14	12.90	244	47359	5.40	ng	-0.01
Target Compounds						
31) Naphthalene	8.10	128	840053	51.557	ng	Qvalue 100
37) 2-Methylnaphthalene	8.79	142	376848	35.756	ng	98
45) 1,1'-Biphenyl	9.25	154	60638	4.962	ng	98
48) Acenaphthylene	9.69	152	51625	3.409	ng	# 90
51) Acenaphthene	9.86	154	192003	20.780	ng	100
57) Fluorene	10.38	166	137906	14.714	ng	100
70) Phenanthrene	11.35	178	468866	35.642	ng	99
71) Anthracene	11.40	178	159225	11.907	ng	99
74) Fluoranthene	12.54	202	141070	10.264	ng	96
77) Pyrene	12.77	202	213661	14.412	ng	98
80) Benzo(a)anthracene	14.00	228	75723m	6.338	ng	
82) Chrysene	14.04	228	69678	5.677	ng	97
87) Benzo(b)fluoranthene	15.13	252	36863m	3.714	ng	
89) Benzo(a)pyrene	15.50	252	37541	4.227	ng	97

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



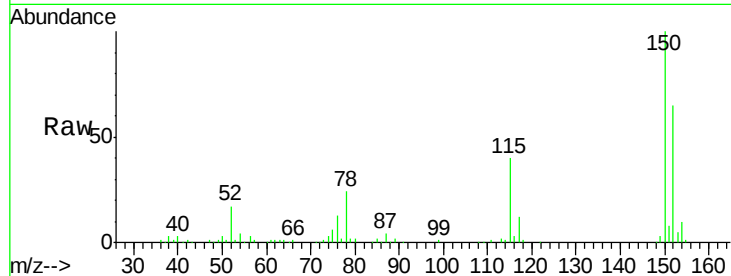
#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.79 min Scan# 799
 Delta R.T. -0.00 min
 Lab File: BF105049.D
 Acq: 3 May 2018 00:17

Instrument :
 BNA_F
 ClientSampleId :
 COMPOSITE-P4-WCDL

Tot Ion	Ratio	Lower	Upper
152	100		
150	154.4	124.6	186.8
115	61.3	50.1	75.1

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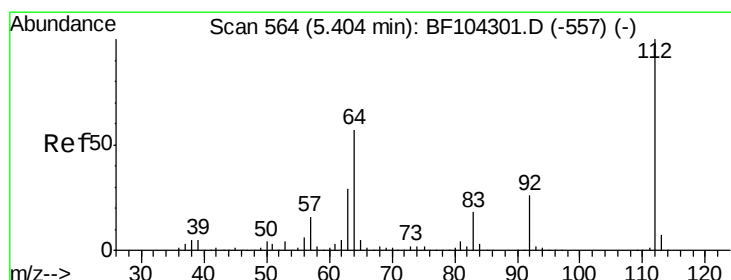
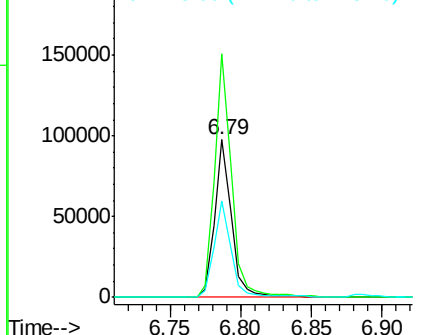
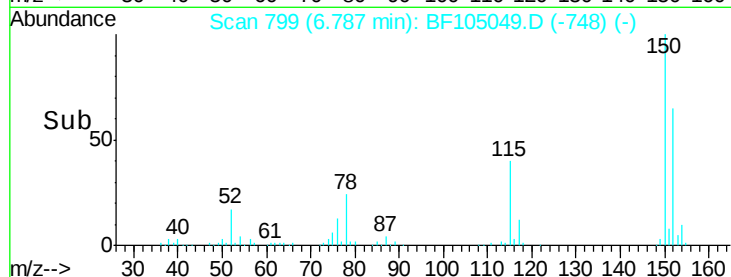


Abundance

Ion 152.00 (151.70 to 152.70): E

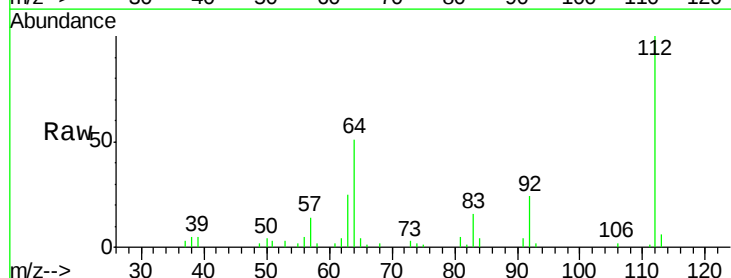
Ion 150.00 (149.70 to 150.70): E

Ion 115.00 (114.70 to 115.70): E



#5
 2-Fluorophenol
 Concen: 8.262 ng
 RT: 5.40 min Scan# 564
 Delta R.T. -0.00 min
 Lab File: BF105049.D
 Acq: 3 May 2018 00:17

Tgt Ion	Ratio	Lower	Upper
112	100		
64	50.6	47.9	71.9
63	24.7	23.7	35.5

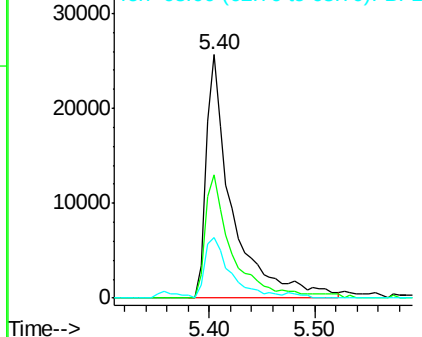
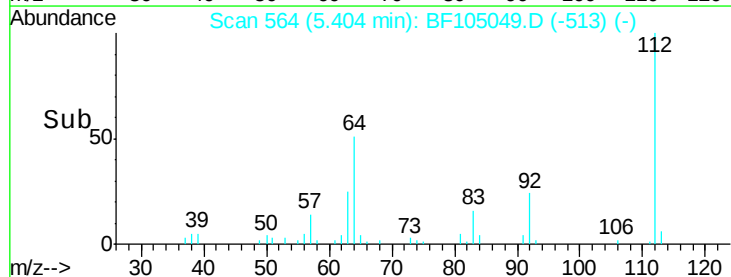


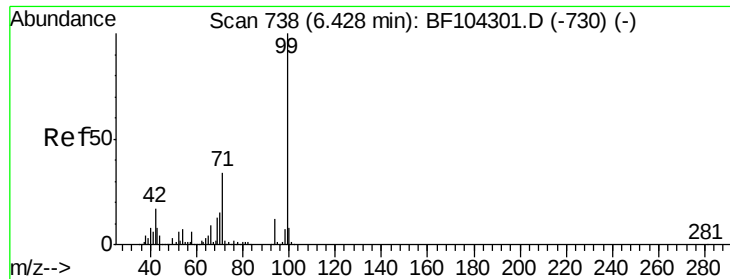
Abundance

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: 8.278 ng

RT: 6.43 min Scan# 739

Delta R.T. -0.01 min

Lab File: BF105049.D

Acq: 3 May 2018 00:17

Instrument :

BNA_F

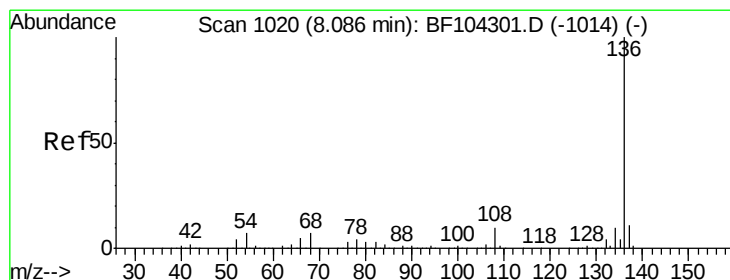
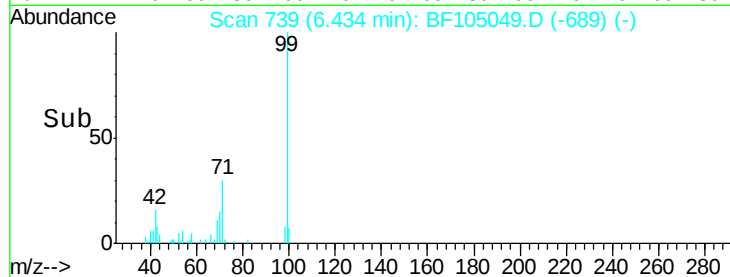
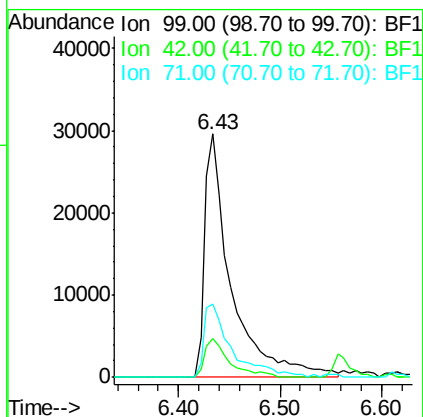
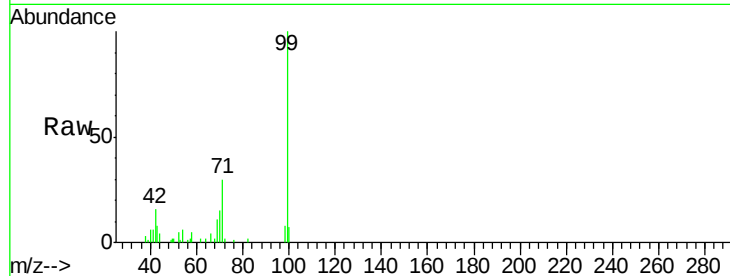
ClientSampleId :

COMPOSITE-P4-WCDL

Tot Ion:	99	Resp:	53926
Ion Ratio	Lower	Upper	
99	100		
42	16.1	14.5	21.7
71	30.4	25.4	38.0

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#21

Naphthalene-d8

Concen: 20.000 ng

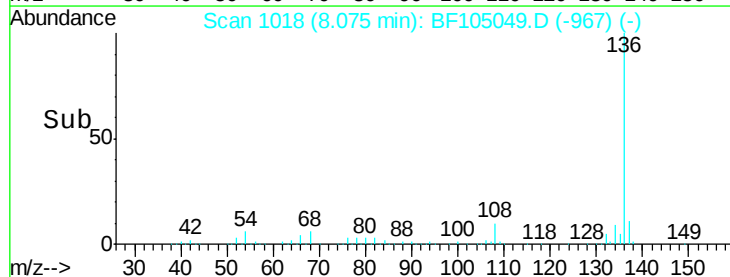
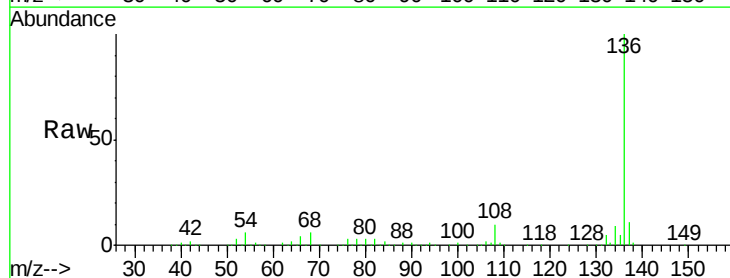
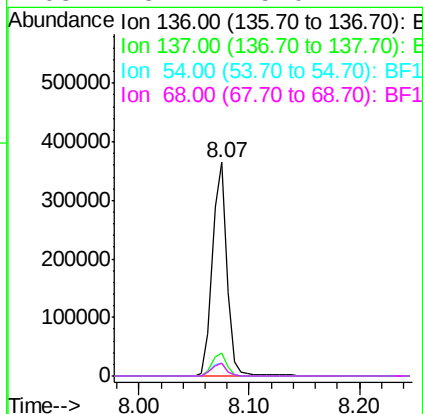
RT: 8.07 min Scan# 1018

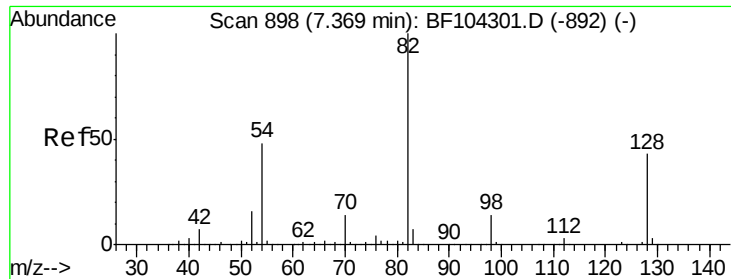
Delta R.T. -0.00 min

Lab File: BF105049.D

Acq: 3 May 2018 00:17

Tgt Ion:	136	Resp:	327219
Ion Ratio	Lower	Upper	
136	100		
137	10.8	8.9	13.3
54	6.0	6.6	9.8#
68	5.7	5.0	7.4





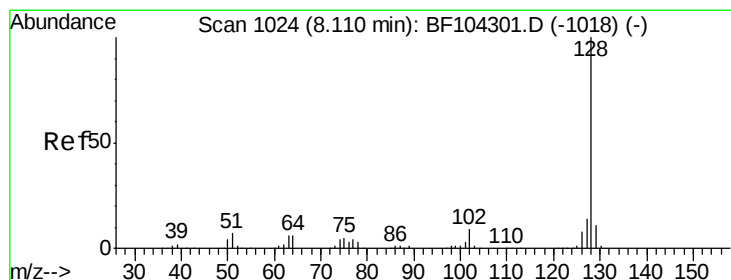
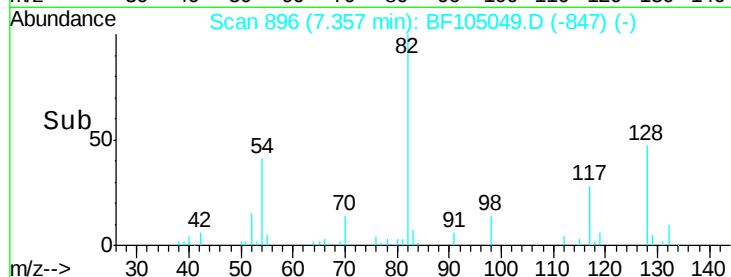
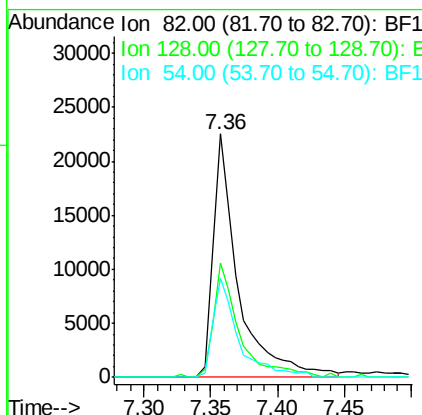
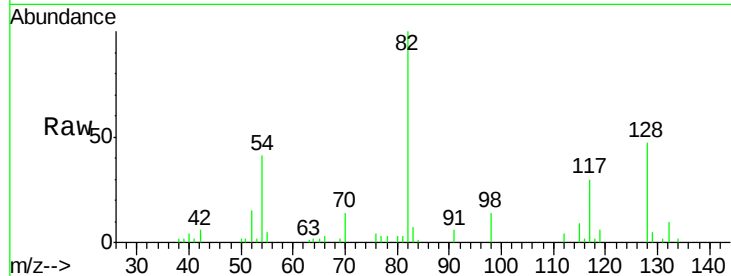
#23
Nitrobenzene-d5
Concen: 5.964 ng
RT: 7.36 min Scan# 896
Delta R.T. -0.01 min
Lab File: BF105049.D
Acq: 3 May 2018 00:17

Instrument :
BNA_F
ClientSampleId :
COMPOSITE-P4-WCDL

Tot Ion	82	Resp	29888
Ion Ratio	100	Lower	Upper
128	46.8	36.1	54.1
54	40.7	41.4	62.2

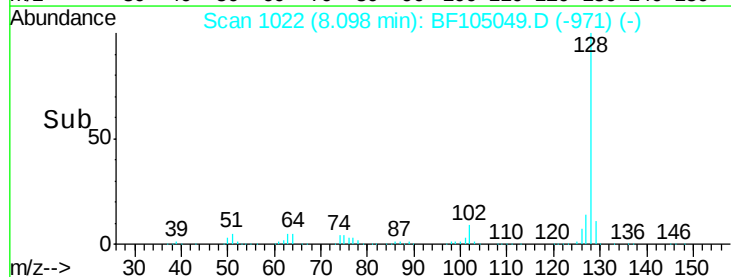
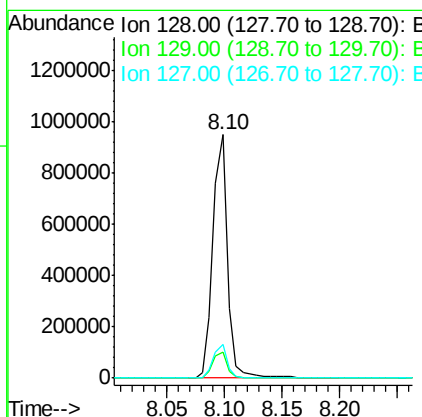
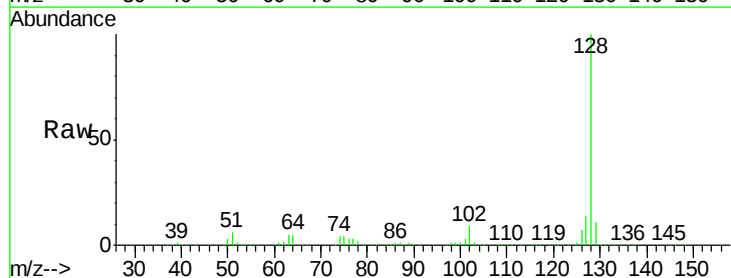
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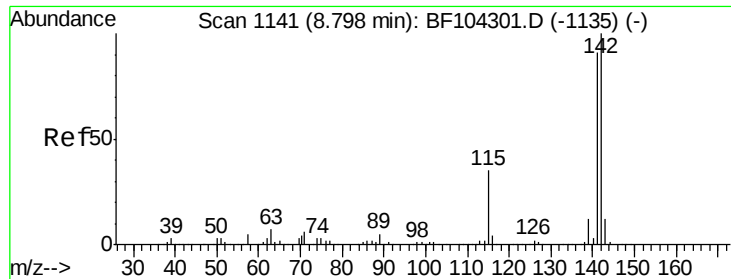
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#31
Naphthalene
Concen: 51.557 ng
RT: 8.10 min Scan# 1022
Delta R.T. -0.00 min
Lab File: BF105049.D
Acq: 3 May 2018 00:17

Tgt Ion	128	Resp	840053
Ion Ratio	100	Lower	Upper
129	10.9	8.8	13.2
127	13.7	10.9	16.3





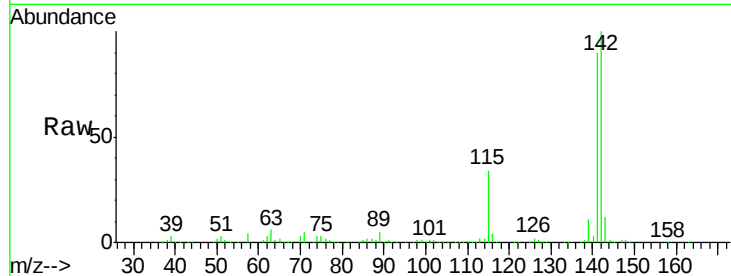
#37
2-Methylnaphthalene
Concen: 35.756 ng
RT: 8.79 min Scan# 1139
Delta R.T. -0.01 min
Lab File: BF105049.D
Acq: 3 May 2018 00:17

Instrument :
BNA_F
ClientSampleId :
COMPOSITE-P4-WCDL

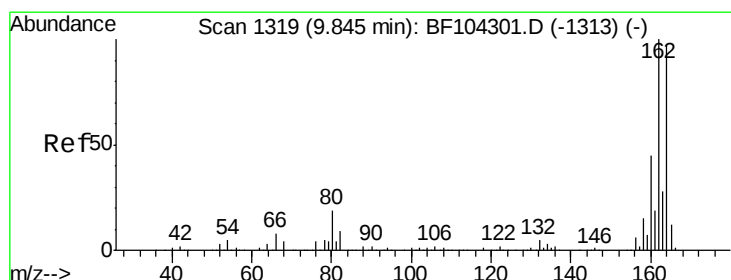
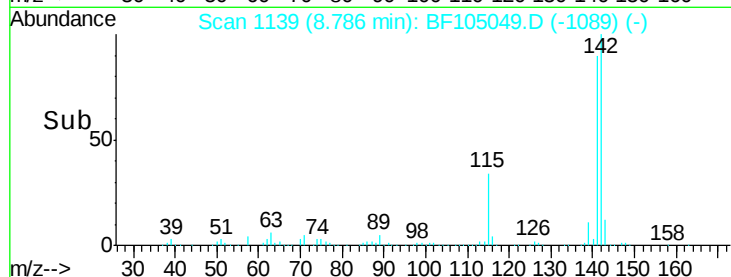
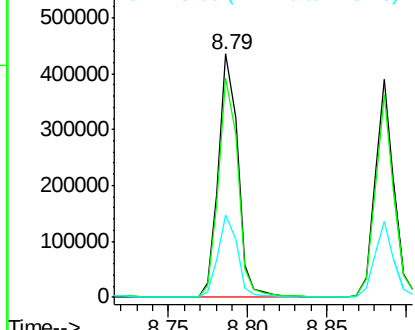
Tot Ion	Ratio	Lower	Upper
142	100		
141	90.3	70.8	106.2
115	34.1	26.1	39.1

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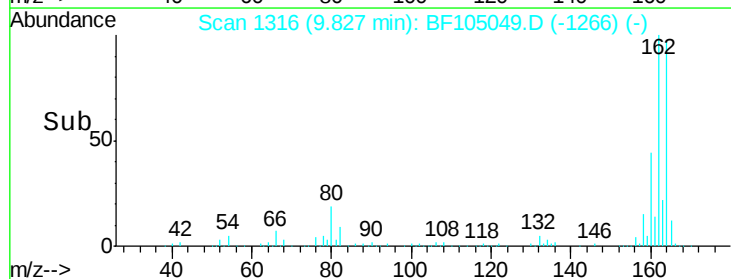
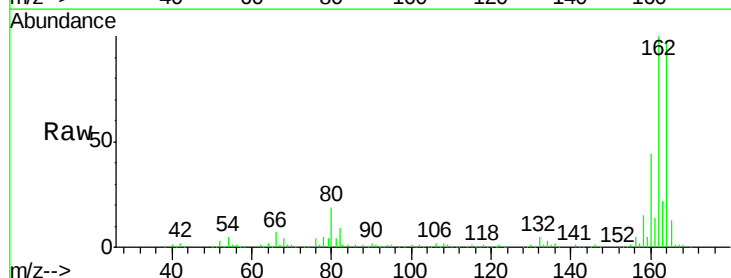
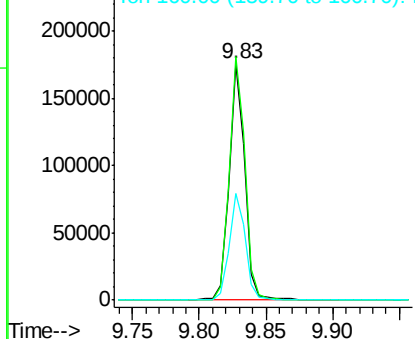
Abundance Ion 142.00 (141.70 to 142.70): E
Ion 141.00 (140.70 to 141.70): E
Ion 115.00 (114.70 to 115.70): E

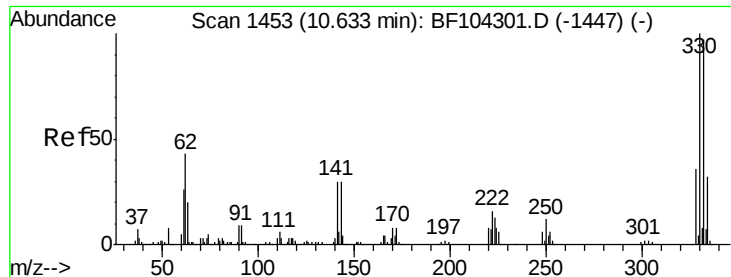


#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.83 min Scan# 1316
Delta R.T. -0.01 min
Lab File: BF105049.D
Acq: 3 May 2018 00:17

Tgt Ion	Ratio	Lower	Upper
164	100		
162	102.9	86.1	129.1
160	45.0	38.3	57.5

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





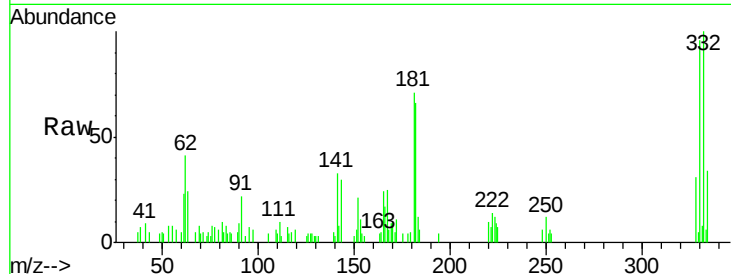
#41
 2,4,6-Tribromophenol
 Concen: 7.157 ng
 RT: 10.63 min Scan# 1452
 Delta R.T. -0.01 min
 Lab File: BF105049.D
 Acq: 3 May 2018 00:17

Instrument :
 BNA_F
 ClientSampleId :
 COMPOSITE-P4-WCDL

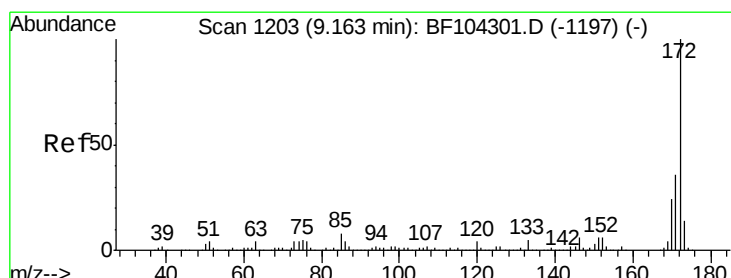
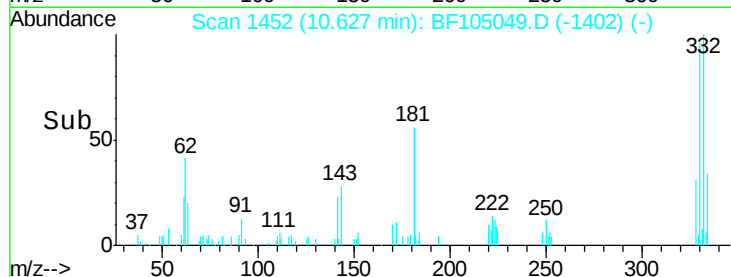
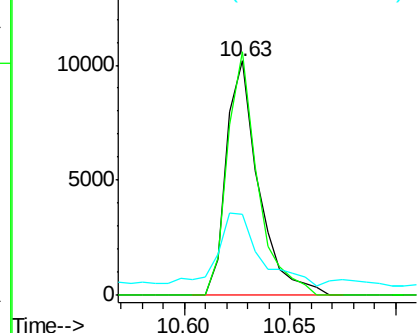
Tot Ion	Ratio	Resp	Lower	Upper
330	100	10800		
332	97.4		77.0	115.6
141	44.0		29.9	44.9

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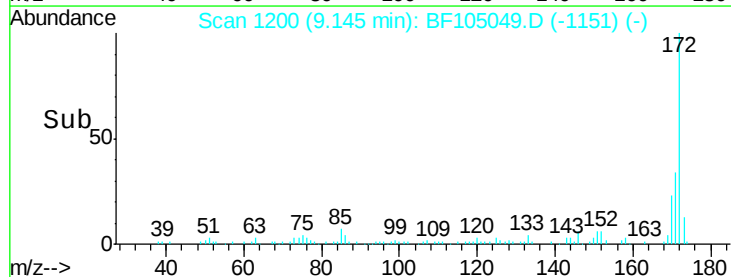
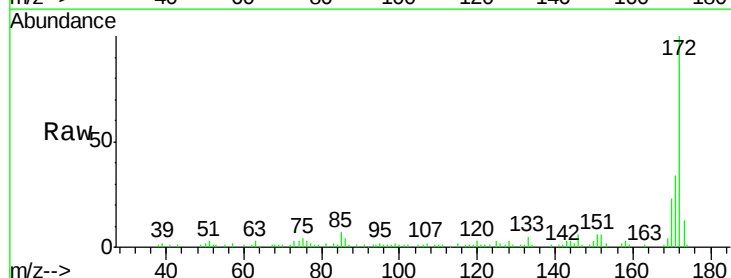
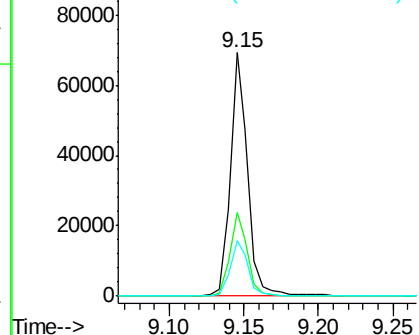
Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

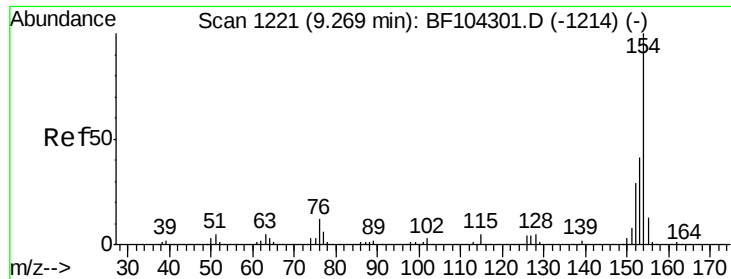


#44
 2-Fluorobiphenyl
 Concen: 6.194 ng
 RT: 9.15 min Scan# 1200
 Delta R.T. -0.01 min
 Lab File: BF105049.D
 Acq: 3 May 2018 00:17

Tgt Ion	Ratio	Resp	Lower	Upper
172	100	57037		
171	34.4		29.7	44.5
170	23.0		19.6	29.4

Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E





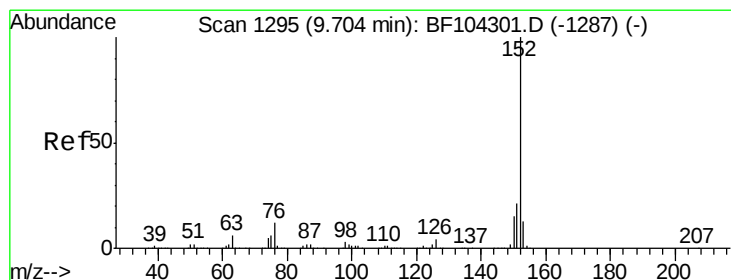
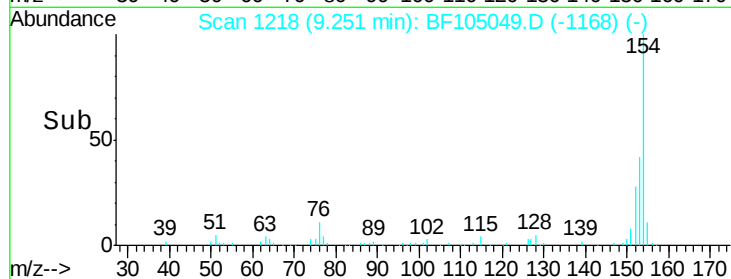
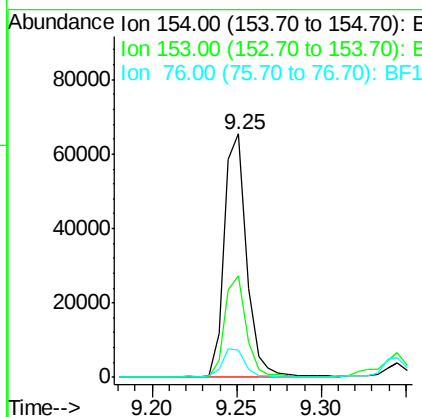
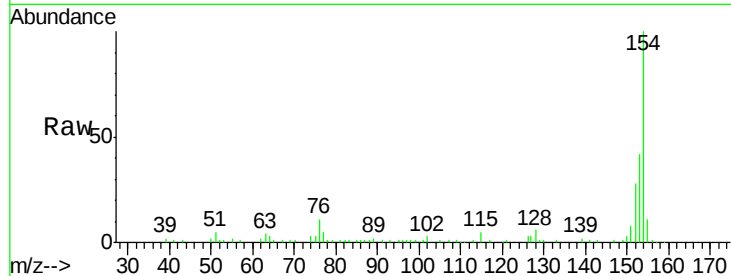
#45
1,1'-Biphenyl
Concen: 4.962 ng
RT: 9.25 min Scan# 1218
Delta R.T. -0.01 min
Lab File: BF105049.D
Acq: 3 May 2018 00:17

Instrument :
BNA_F
ClientSampleId :
COMPOSITE-P4-WCDL

Tot Ion	Ratio	Lower	Upper
154	100		
153	41.6	21.3	61.3
76	11.1	0.0	34.0

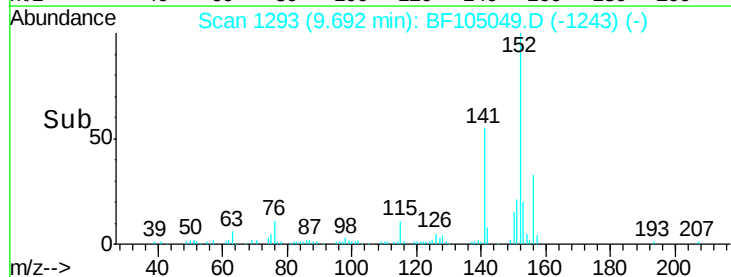
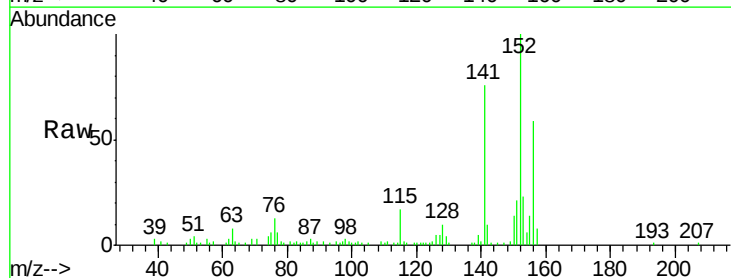
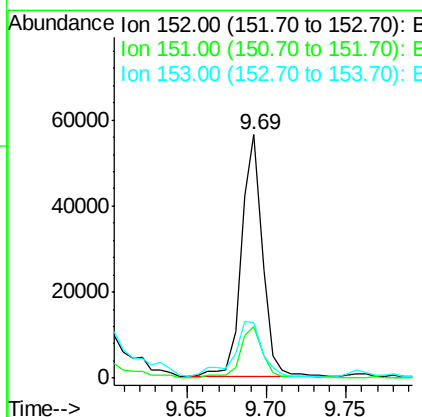
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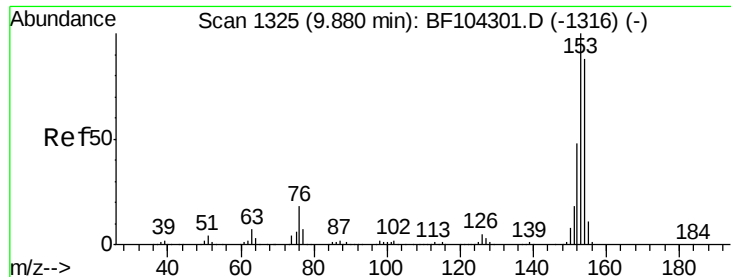
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#48
Acenaphthylene
Concen: 3.409 ng
RT: 9.69 min Scan# 1293
Delta R.T. -0.01 min
Lab File: BF105049.D
Acq: 3 May 2018 00:17

Tgt Ion	Ratio	Lower	Upper
152	100		
151	21.1	16.3	24.5
153	22.6	10.7	16.1#





#51

Acenaphthene

Concen: 20.780 ng

RT: 9.86 min Scan# 1322

Delta R.T. -0.01 min

Lab File: BF105049.D

Acq: 3 May 2018 00:17

Instrument :

BNA_F

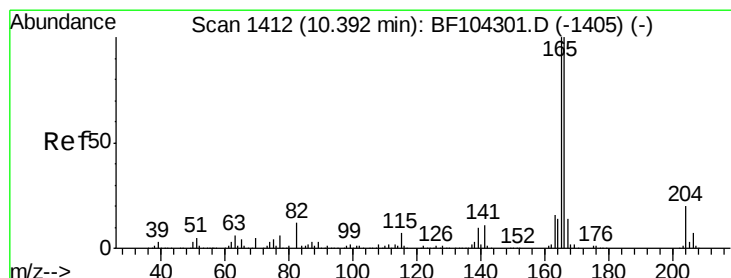
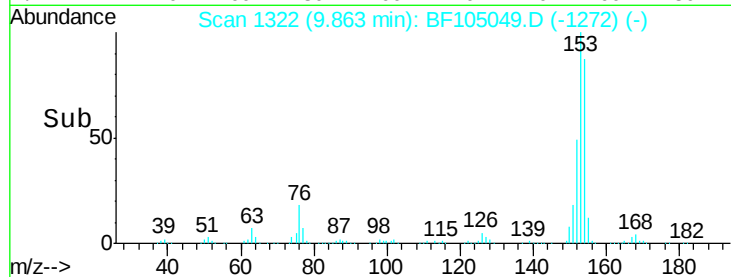
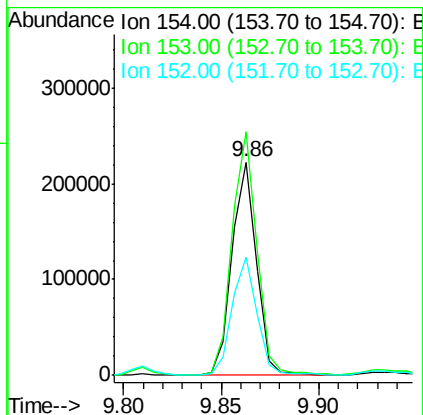
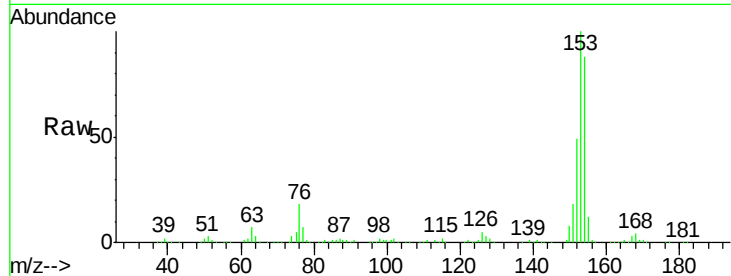
ClientSampleId :

COMPOSITE-P4-WCDL

Tot Ion:	154	Resp:	192003
Ion Ratio	Lower	Upper	
154	100		
153	114.2	91.2	136.8
152	55.5	43.8	65.8

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#57

Fluorene

Concen: 14.714 ng

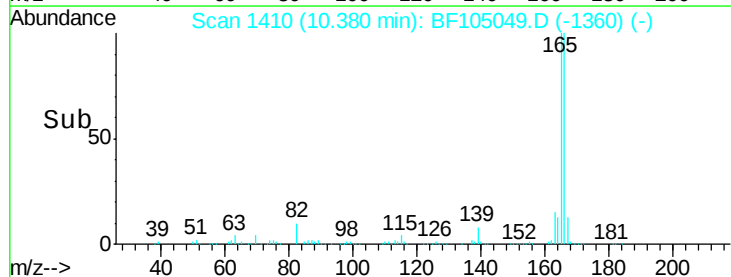
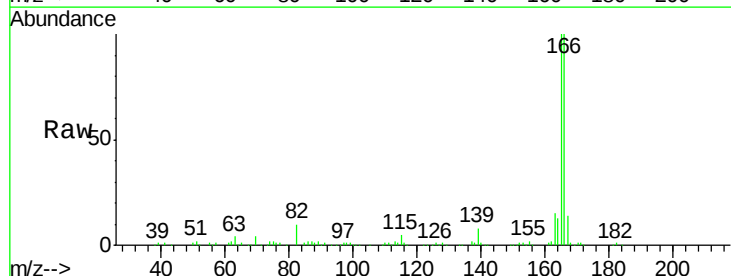
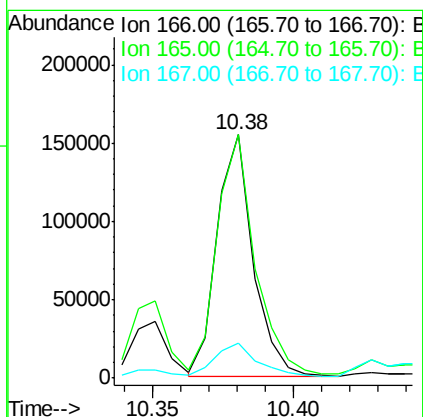
RT: 10.38 min Scan# 1410

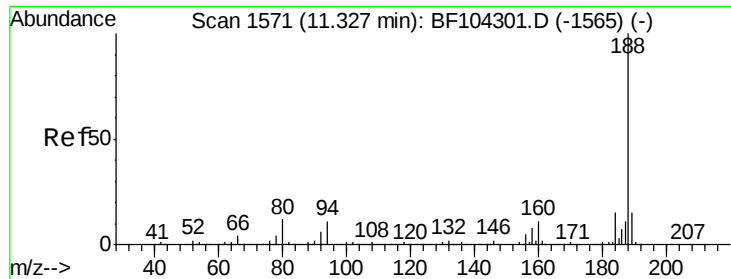
Delta R.T. -0.01 min

Lab File: BF105049.D

Acq: 3 May 2018 00:17

Tgt Ion:	166	Resp:	137906
Ion Ratio	Lower	Upper	
166	100		
165	99.9	79.8	119.8
167	14.3	10.6	16.0





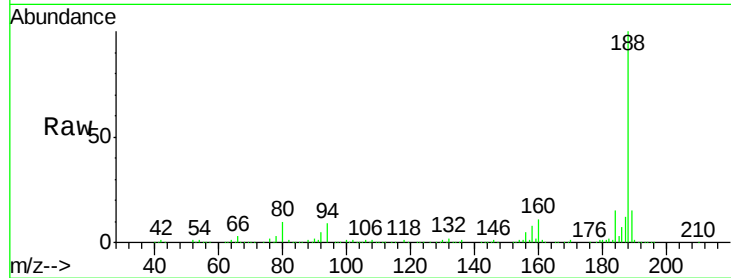
#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.32 min Scan# 1570
Delta R.T. -0.00 min
Lab File: BF105049.D
Acq: 3 May 2018 00:17

Instrument :
BNA_F
ClientSampleId :
COMPOSITE-P4-WCDL

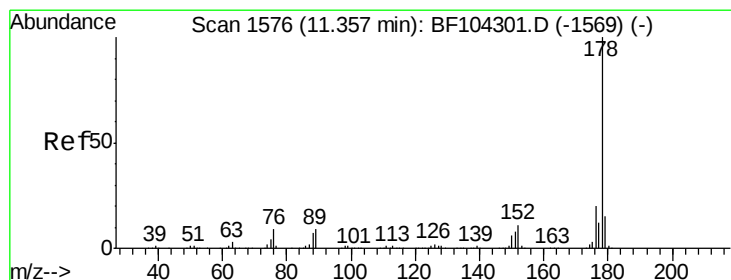
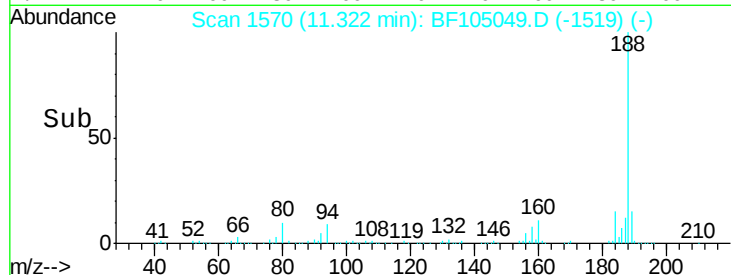
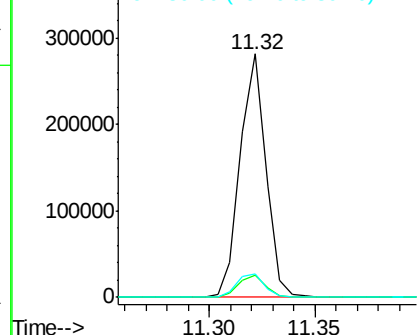
Tot Ion	Ratio	Resp	Lower	Upper
188	100	236217		
94	9.3		8.5	12.7
80	9.9		9.2	13.8

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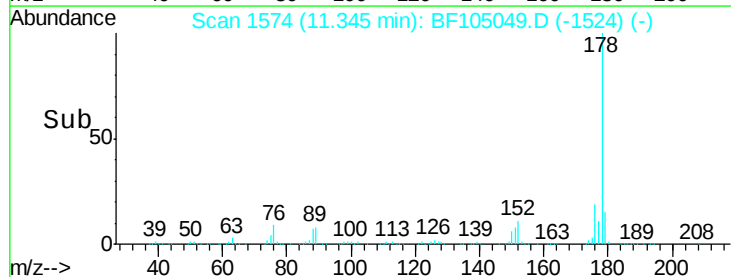
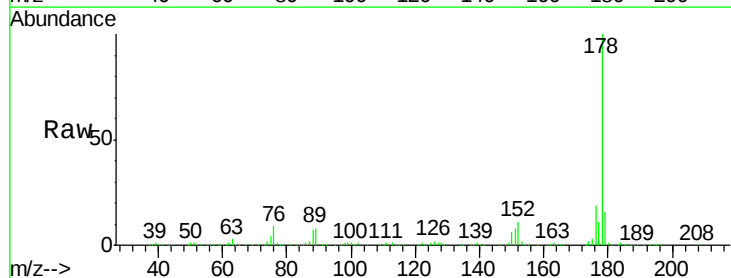
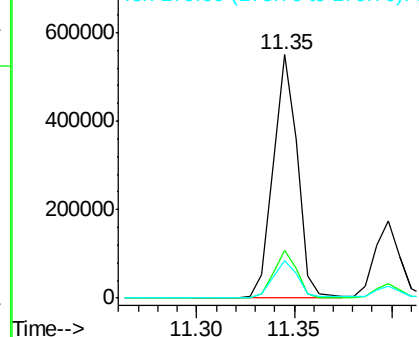
Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BF1
Ion 80.00 (79.70 to 80.70): BF1

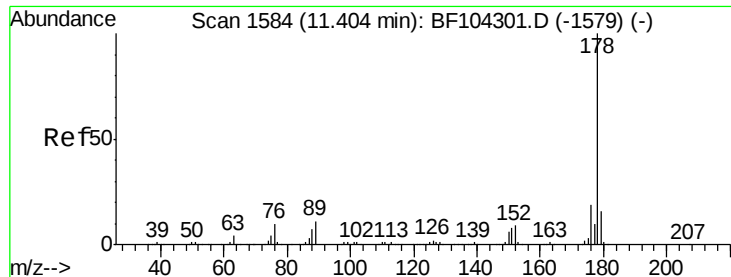


#70
Phenanthrene
Concen: 35.642 ng
RT: 11.35 min Scan# 1574
Delta R.T. -0.01 min
Lab File: BF105049.D
Acq: 3 May 2018 00:17

Tgt Ion	Ratio	Resp	Lower	Upper
178	100	468866		
176	19.4		15.8	23.8
179	15.6		13.0	19.6

Abundance Ion 178.00 (177.70 to 178.70): E
Ion 176.00 (175.70 to 176.70): E
Ion 179.00 (178.70 to 179.70): E





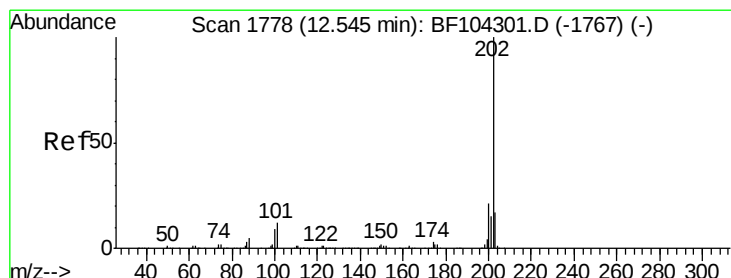
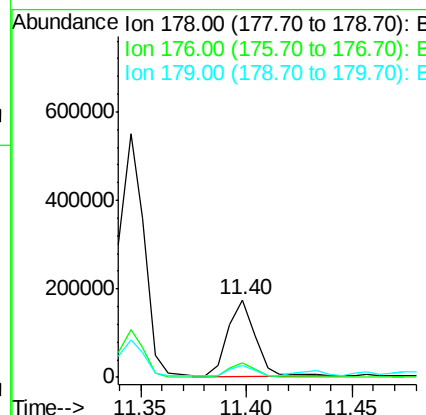
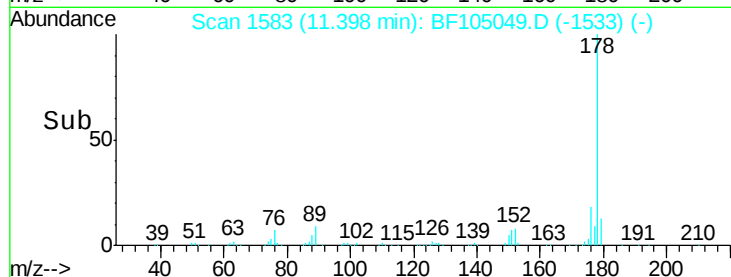
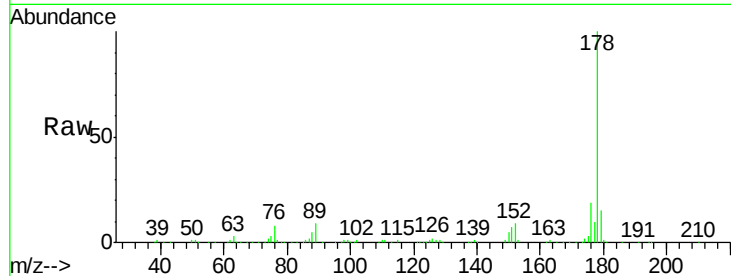
#71
 Anthracene
 Concen: 11.907 ng
 RT: 11.40 min Scan# 1583
 Delta R.T. -0.01 min
 Lab File: BF105049.D
 Acq: 3 May 2018 00:17

Instrument :
 BNA_F
 ClientSampleId :
 COMPOSITE-P4-WCDL

Tot Ion	Ratio	Lower	Upper
178	100		
176	18.9	15.4	23.2
179	15.2	12.6	19.0

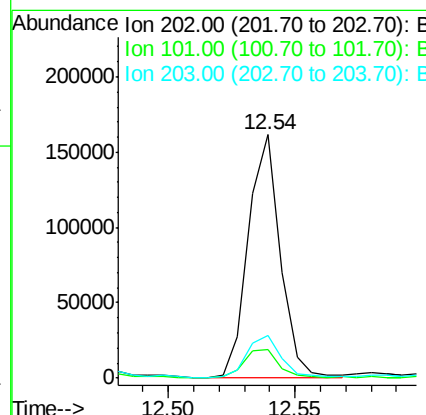
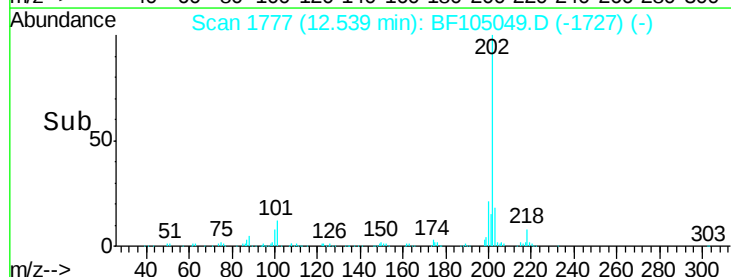
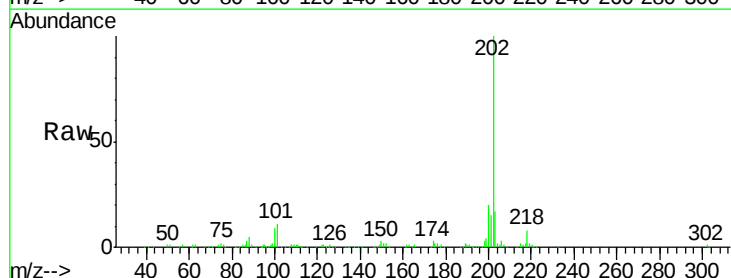
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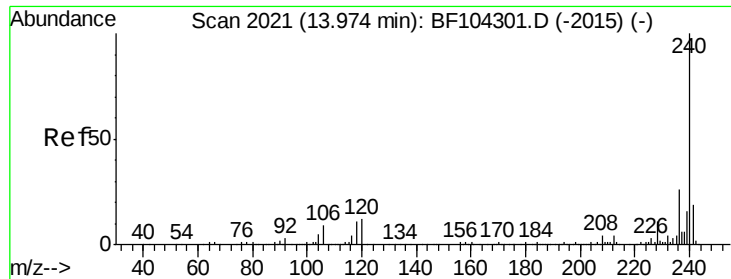
Sohil
 5/3/2018 5:00:56 PM



#74
 Fluoranthene
 Concen: 10.264 ng
 RT: 12.54 min Scan# 1777
 Delta R.T. -0.01 min
 Lab File: BF105049.D
 Acq: 3 May 2018 00:17

Tgt Ion	Ratio	Lower	Upper
202	100		
101	11.5	0.0	34.1
203	17.5	0.0	38.1





#75

Chrysene-d12

Concen: 20.000 ng

RT: 14.01 min Scan# 2027

Delta R.T. -0.02 min

Lab File: BF105049.D

Acq: 3 May 2018 00:17

Instrument :

BNA_F

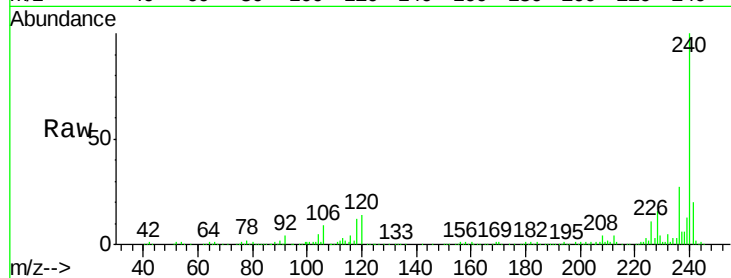
ClientSampleId :

COMPOSITE-P4-WCDL

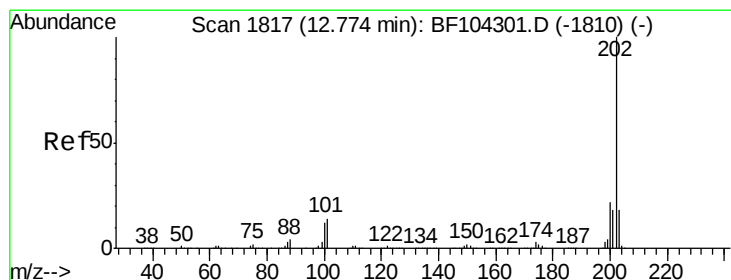
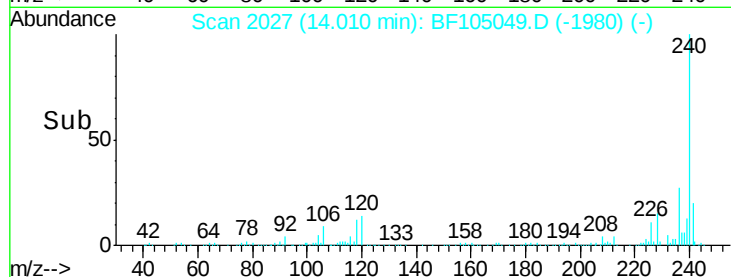
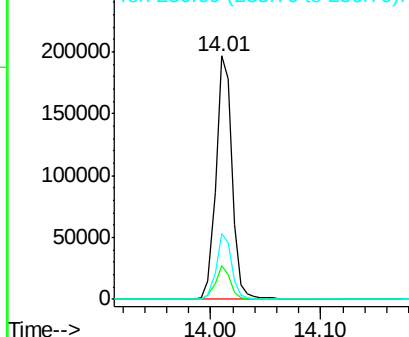
Tot Ion:	240	Resp:	200001
Ion Ratio	Lower	Upper	
240	100		
120	13.7	9.5	14.3
236	26.9	20.7	31.1

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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: 14.412 ng

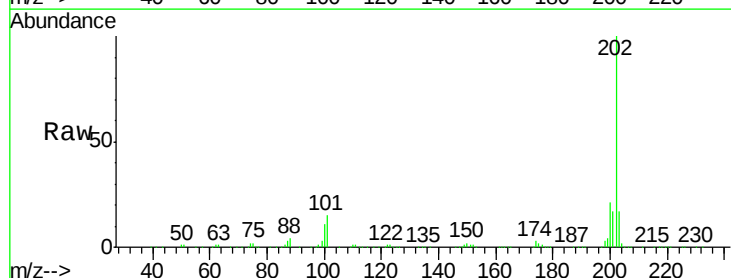
RT: 12.77 min Scan# 1816

Delta R.T. -0.01 min

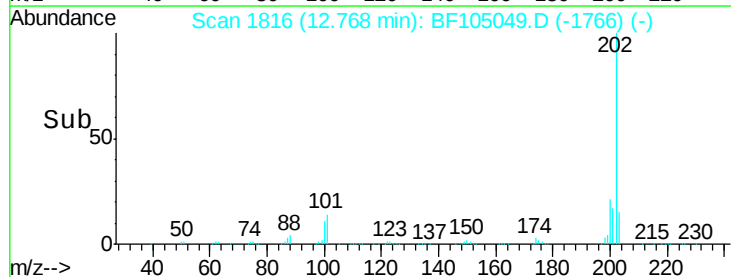
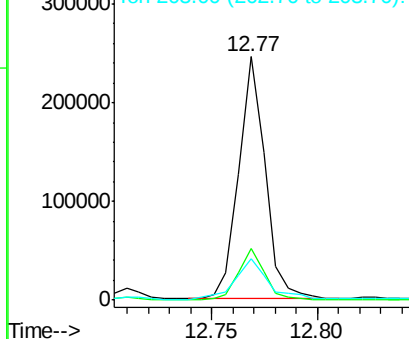
Lab File: BF105049.D

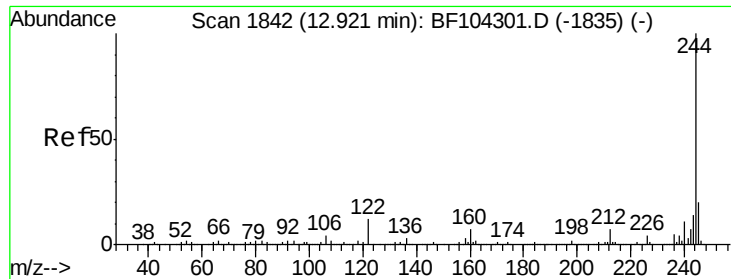
Acq: 3 May 2018 00:17

Tgt Ion:	202	Resp:	213661
Ion Ratio	Lower	Upper	
202	100		
200	21.0	17.4	26.2
203	17.2	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





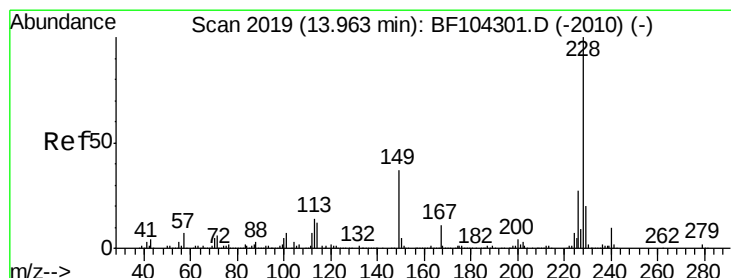
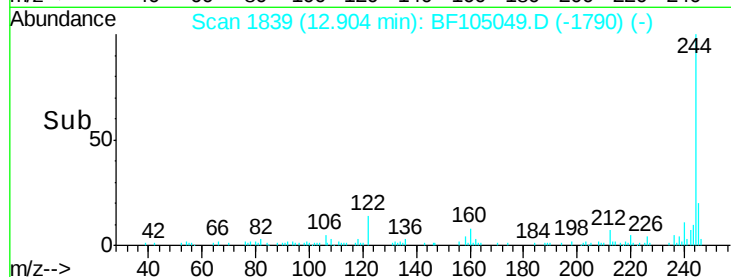
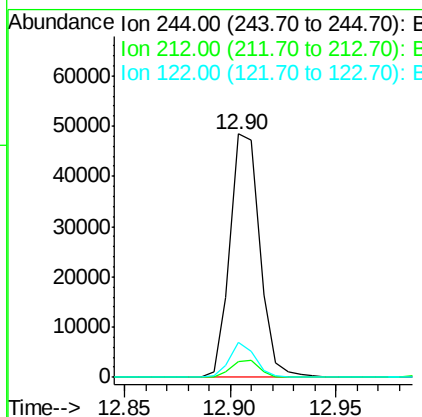
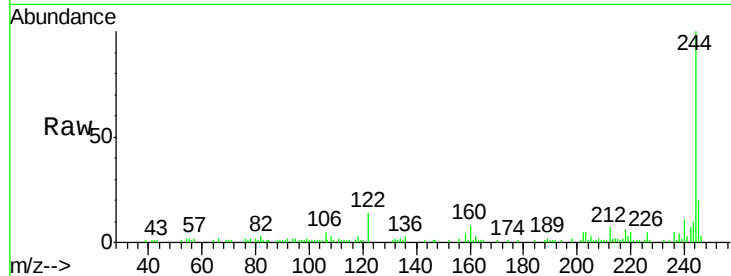
#78
 Terphenyl-d14
 Concen: 5.398 ng
 RT: 12.90 min Scan# 1839
 Delta R.T. -0.01 min
 Lab File: BF105049.D
 Acq: 3 May 2018 00:17

Instrument :
 BNA_F
 ClientSampleId :
 COMPOSITE-P4-WCDL

Tot Ion	Ratio	Lower	Upper
244	100		
212	6.6	5.4	8.0
122	14.5	11.0	16.4

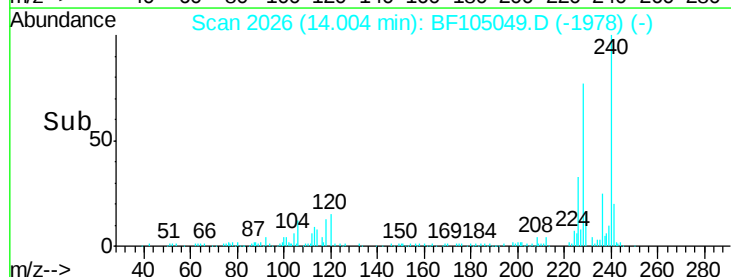
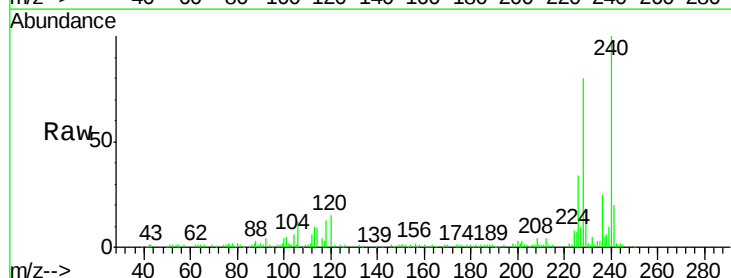
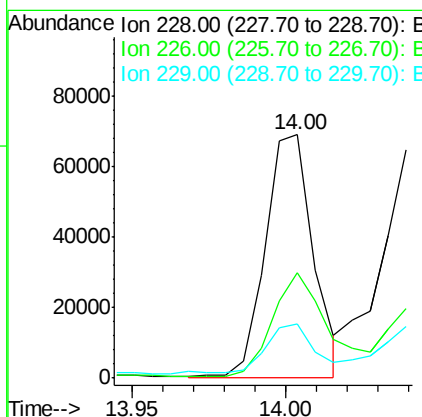
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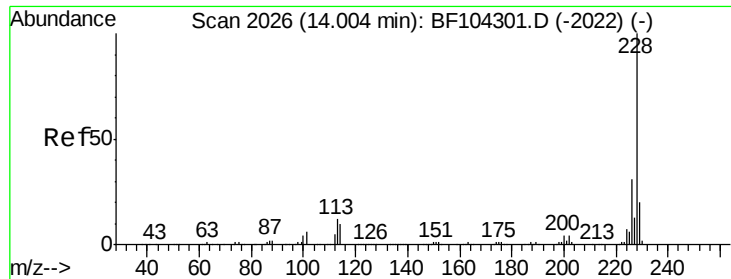
Sohil
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#80
 Benzo(a)anthracene
 Concen: 6.338 ng m
 RT: 14.00 min Scan# 2026
 Delta R.T. -0.02 min
 Lab File: BF105049.D
 Acq: 3 May 2018 00:17

Tgt Ion	Ratio	Lower	Upper
228	100		
226	43.1	22.6	33.8#
229	22.0	15.8	23.6





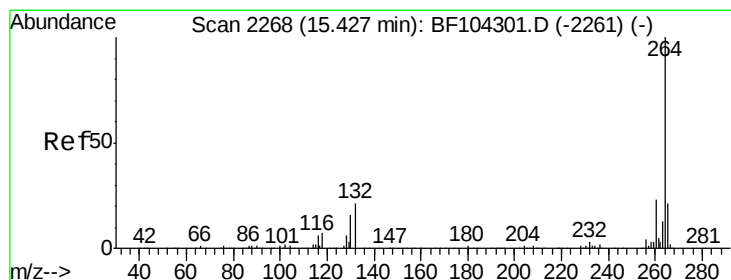
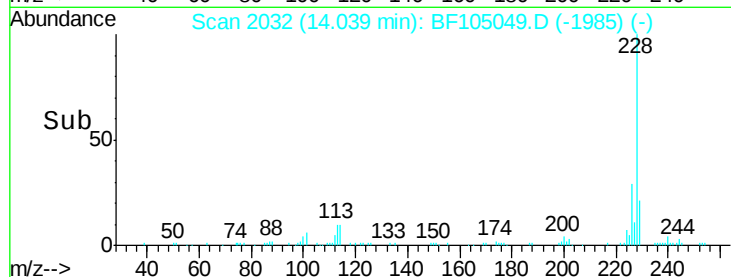
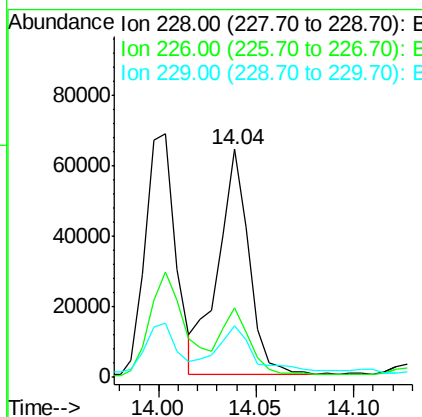
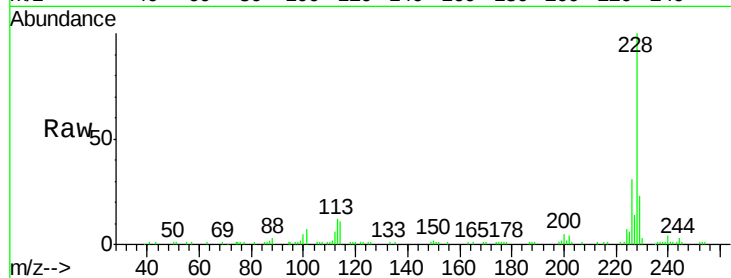
#82
Chrysene
Concen: 5.677 ng
RT: 14.04 min Scan# 2032
Delta R.T. -0.02 min
Lab File: BF105049.D
Acq: 3 May 2018 00:17

Instrument :
BNA_F
ClientSampleId :
COMPOSITE-P4-WCDL

Tot Ion	Ratio	Lower	Upper
228	100		
226	30.7	25.0	37.6
229	22.8	16.2	24.4

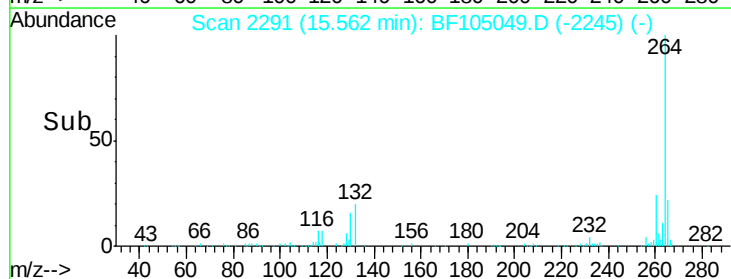
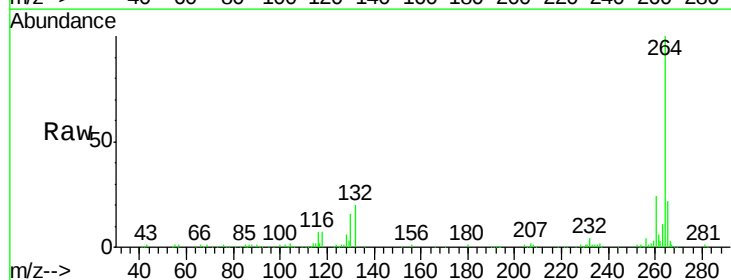
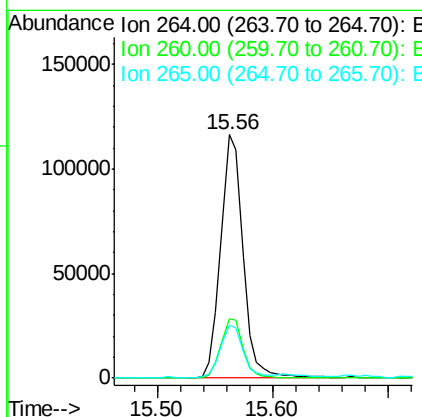
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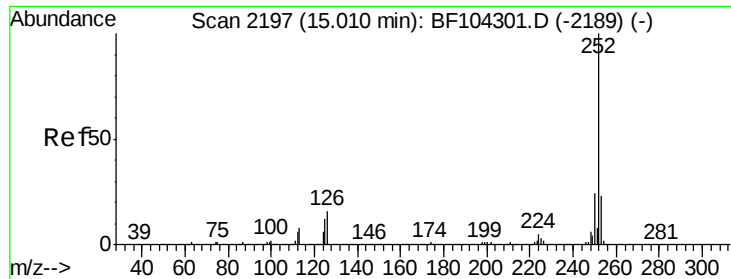
Sohil
5/3/2018 5:00:56 PM



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.56 min Scan# 2291
Delta R.T. -0.03 min
Lab File: BF105049.D
Acq: 3 May 2018 00:17

Tgt Ion	Ratio	Lower	Upper
264	100		
260	24.4	19.2	28.8
265	21.8	17.5	26.3





#87

Benzo(b)fluoranthene

Concen: 3.714 ng/mL

RT: 15.13 min Scan# 2218

Delta R.T. -0.03 min

Lab File: BF105049.D

Acq: 3 May 2018 00:17

Instrument :

BNA_F

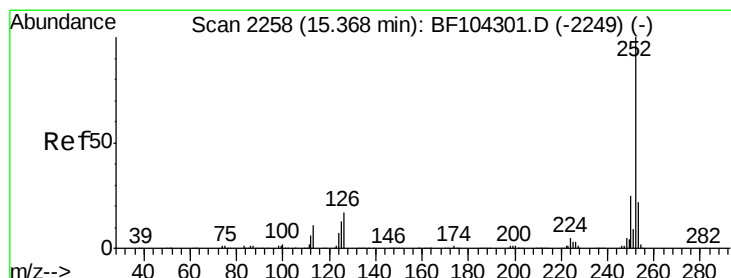
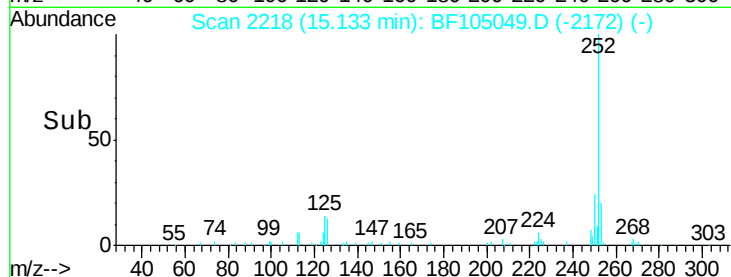
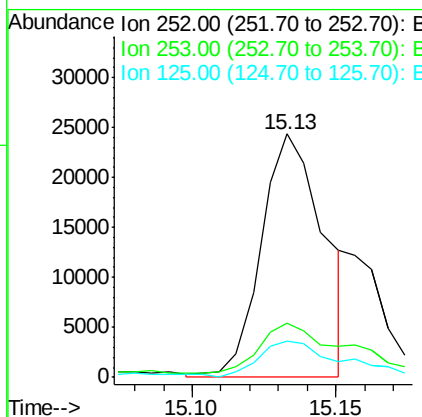
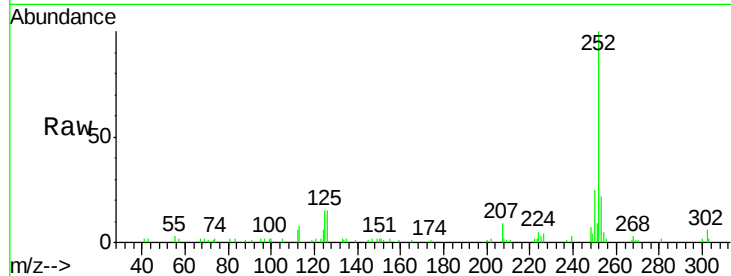
ClientSampleId :

COMPOSITE-P4-WCDL

Tot Ion:	252	Resp:	36863
Ion Ratio	Lower	Upper	
252	100		
253	22.4	17.0	25.6
125	14.7	9.0	13.6

Manual Integrations
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#89

Benzo(a)pyrene

Concen: 4.227 ng/mL

RT: 15.50 min Scan# 2281

Delta R.T. -0.03 min

Lab File: BF105049.D

Acq: 3 May 2018 00:17

Tgt Ion:	252	Resp:	37541
Ion Ratio	Lower	Upper	
252	100		
253	23.1	17.1	25.7
125	13.3	9.8	14.6

