

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF091818\
 Data File : BF109097.D
 Acq On : 18 Sep 2018 16:00
 Operator : JU/SJ
 Sample : J4936-27
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleID :
 PHASE-2

Manual Integrations
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Quant Time: Sep 19 08:50:59 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF091418.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Sep 14 13:26:52 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.72	152	137190	20.00	ng	0.00
21) Naphthalene-d8	8.00	136	512525	20.00	ng	0.00
38) Acenaphthene-d10	9.75	164	233947	20.00	ng	0.00
63) Phenanthrene-d10	11.23	188	328456	20.00	ng	0.00
75) Chrysene-d12	13.86	240	292913	20.00	ng	0.00
86) Perylene-d12	15.27	264	348593	20.00	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.33	112	717410	86.85	ng	0.00
7) Phenol-d6	6.35	99	938597	88.12	ng	0.00
23) Nitrobenzene-d5	7.28	82	595913	65.21	ng	-0.01
41) 2,4,6-Tribromophenol	10.54	330	164075	64.62	ng	0.00
44) 2-Fluorobiphenyl	9.08	172	878808	58.85	ng	0.00
78) Terphenyl-d14	12.82	244	533034	43.13	ng	0.00
Target Compounds						
10) Phenol	6.37	94	29563	2.467	ng	95
31) Naphthalene	8.02	128	48240	2.028	ng	99
37) 2-Methylnaphthalene	8.71	142	39094	2.521	ng	100
49) Dimethylphthalate	9.47	163	180311	10.783	ng	# 98
70) Phenanthrene	11.25	178	195420	12.137	ng	# 92
71) Anthracene	11.31	178	33331	2.042	ng	# 66
74) Fluoranthene	12.45	202	336125	19.775	ng	95
77) Pyrene	12.67	202	350701	16.119	ng	98
80) Benzo(a)anthracene	13.85	228	211873	11.947	ng	97
82) Chrysene	13.89	228	227962	12.848	ng	97
85) Indeno(1,2,3-cd)pyrene	16.61	276	98147	6.919	ng	# 91
87) Benzo(b)fluoranthene	14.87	252	278696m	14.452	ng	
88) Benzo(k)fluoranthene	14.89	252	88574m	4.917	ng	
89) Benzo(a)pyrene	15.21	252	167032	9.753	ng	98
91) Benzo(a,h,i)perylene	17.02	276	83237	5.786	ng	94

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

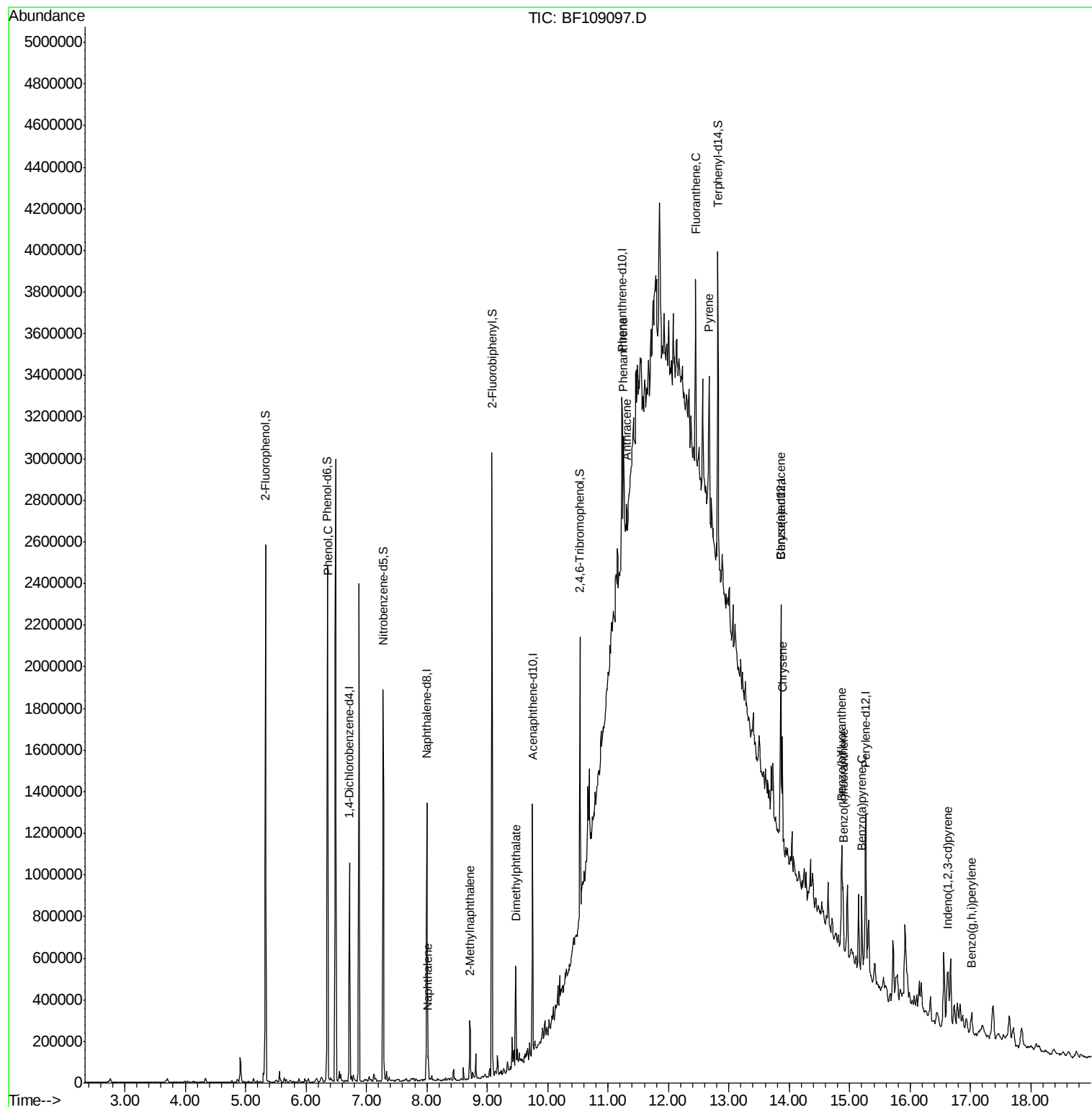
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF091818\
Data File : BF109097.D
Acq On : 18 Sep 2018 16:00
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#1

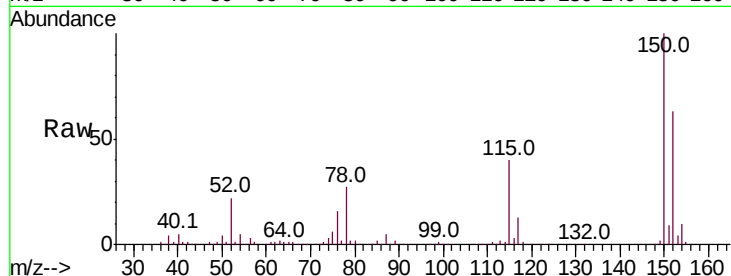
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.72 min Scan# 745
Delta R.T. -0.01 min
Lab File: BF109097.D
Acq: 18 Sep 2018 16:00

Instrument :
BNA_F
ClientSampled :
PHASE-2

Tot Ion	Ratio	Lower	Upper
152	100		
150	157.8	124.6	186.8
115	63.5	50.1	75.1

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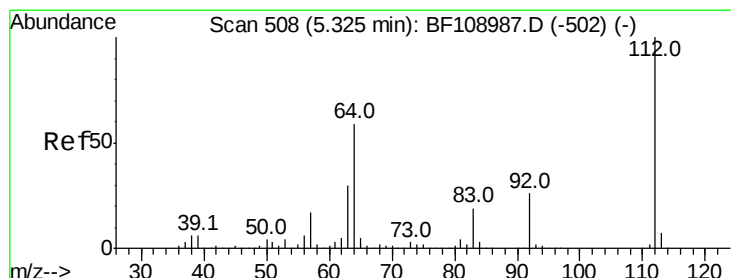
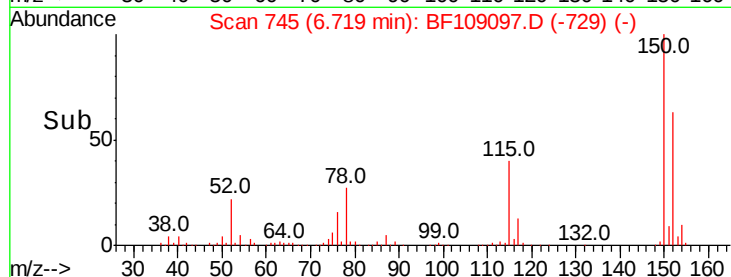
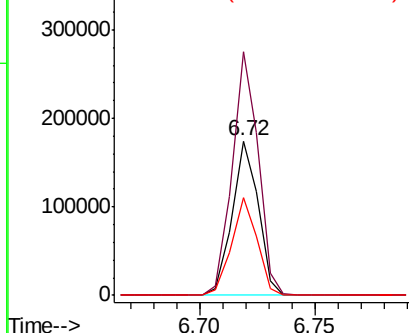


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

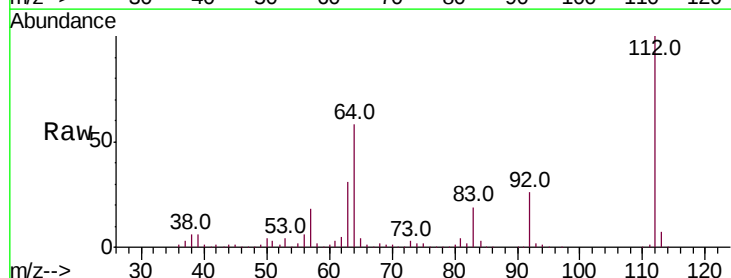
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 86.853 ng
RT: 5.33 min Scan# 509
Delta R.T. 0.01 min
Lab File: BF109097.D
Acq: 18 Sep 2018 16:00

Tgt Ion	Ratio	Lower	Upper
112	100		
64	58.3	47.9	71.9
63	31.0	23.7	35.5

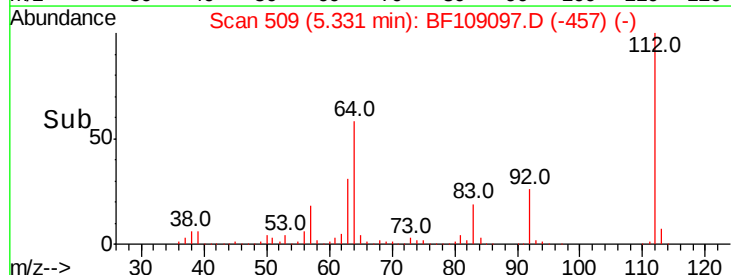
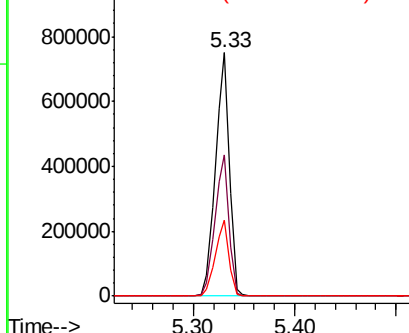


Abundance

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: 88.123 ng

RT: 6.35 min Scan# 683

Delta R.T. -0.01 min

Lab File: BF109097.D

Acq: 18 Sep 2018 16:00

Instrument :

BNA_F

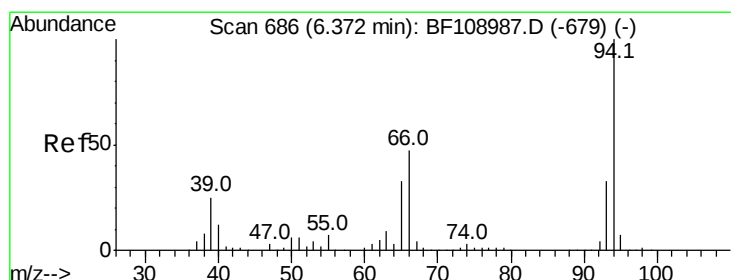
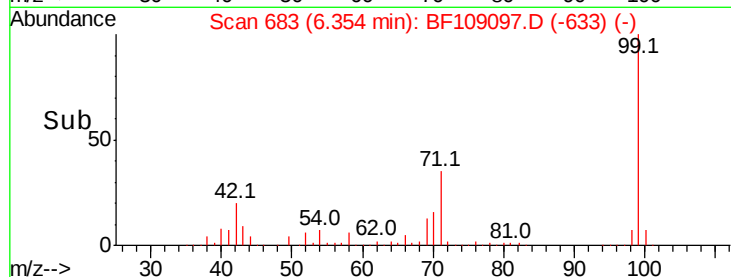
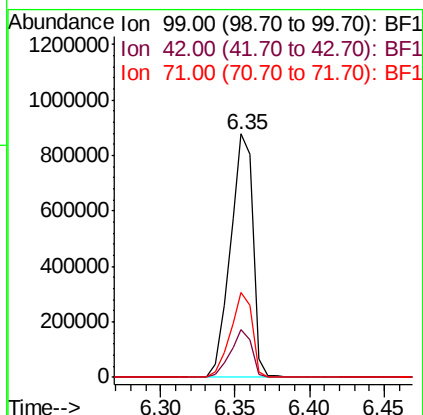
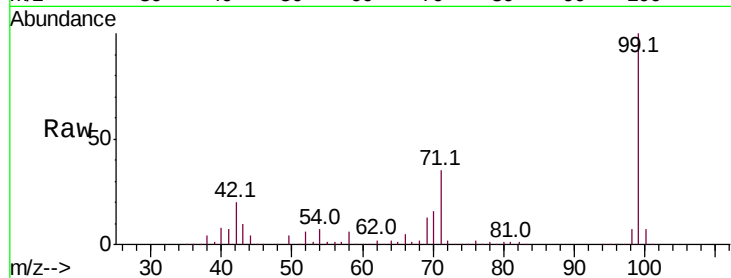
ClientSampled :

PHASE-2

Tot Ion:	99	Resp:	938597
Ion Ratio	Lower	Upper	
99	100		
42	19.5	14.5	21.7
71	34.8	25.4	38.0

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#10

Phenol

Concen: 2.467 ng

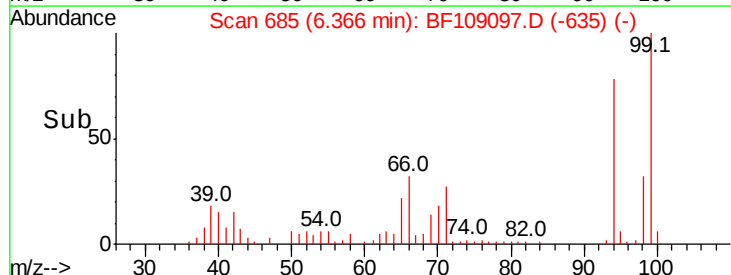
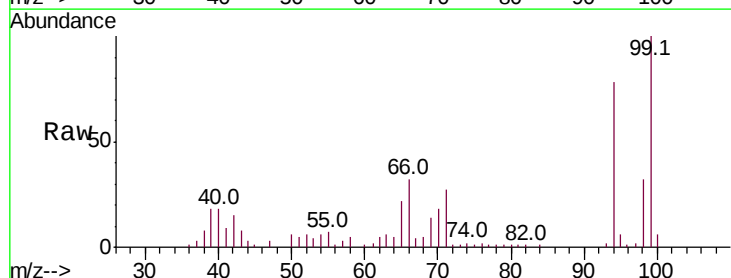
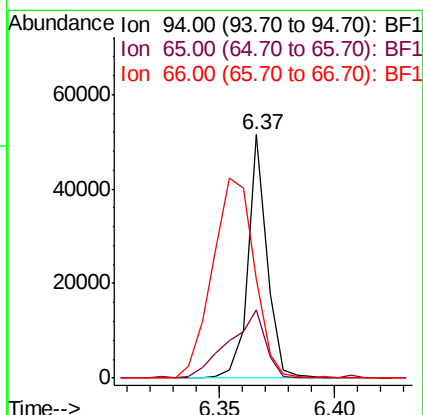
RT: 6.37 min Scan# 685

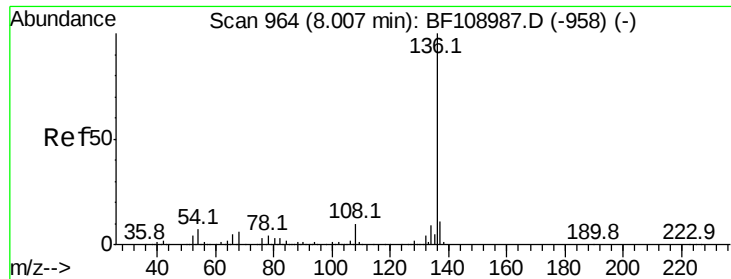
Delta R.T. -0.01 min

Lab File: BF109097.D

Acq: 18 Sep 2018 16:00

Tgt Ion:	94	Resp:	29563
Ion Ratio	Lower	Upper	
94	100		
65	28.0	7.9	47.9
66	40.8	16.2	56.2





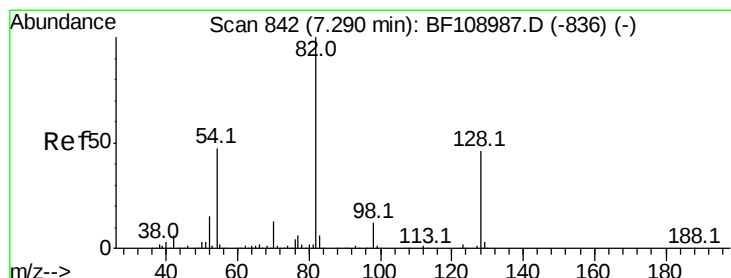
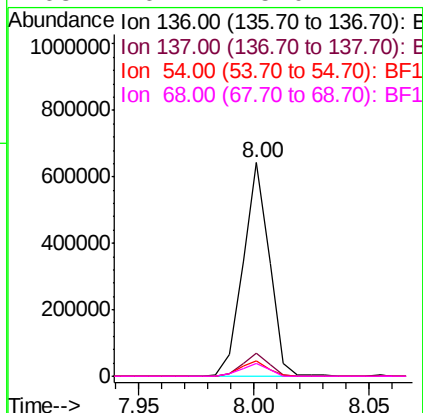
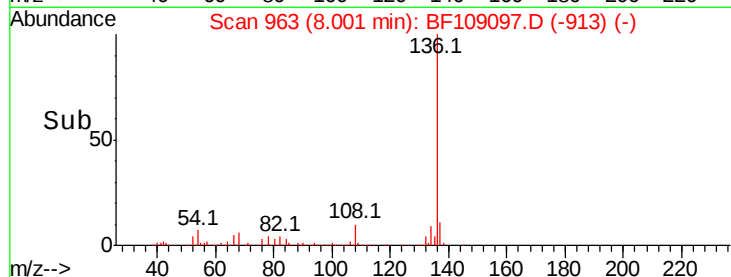
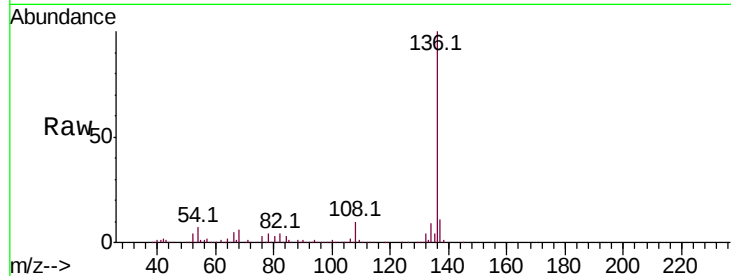
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.00 min Scan# 963
Delta R.T. -0.01 min
Lab File: BF109097.D
Acq: 18 Sep 2018 16:00

Instrument :
BNA_F
ClientSampled :
PHASE-2

Tot Ion	Ratio	Resp Lower	Upper
136	100		
137	10.8	8.9	13.3
54	7.5	6.6	9.8
68	6.1	5.0	7.4

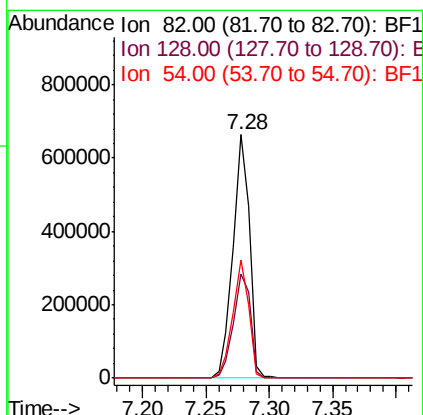
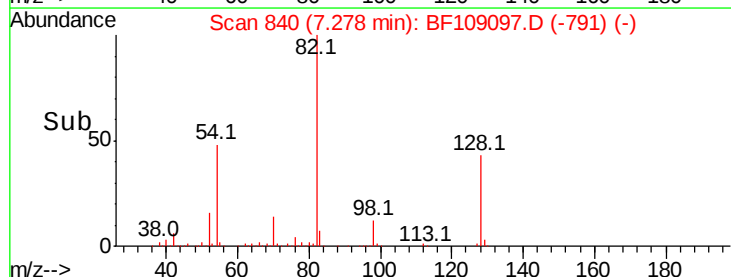
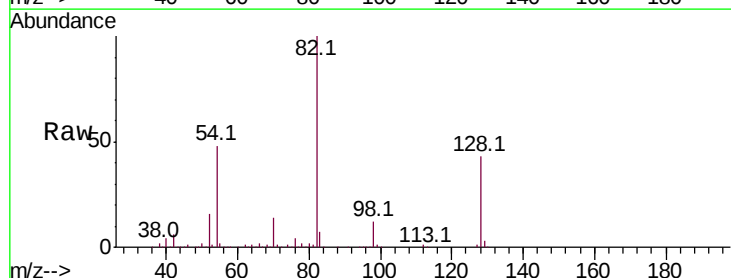
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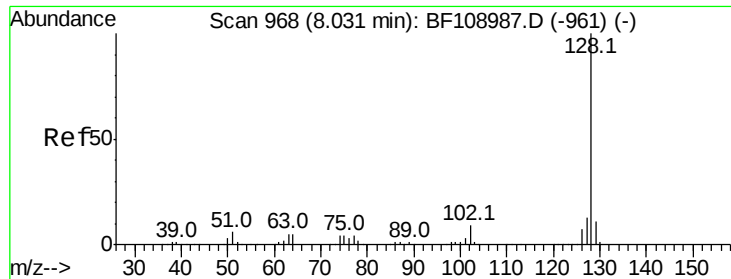
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#23
Nitrobenzene-d5
Concen: 65.214 ng
RT: 7.28 min Scan# 840
Delta R.T. -0.01 min
Lab File: BF109097.D
Acq: 18 Sep 2018 16:00

Tgt Ion	Ratio	Resp Lower	Upper
82	100		
128	42.9	36.1	54.1
54	48.4	41.4	62.2





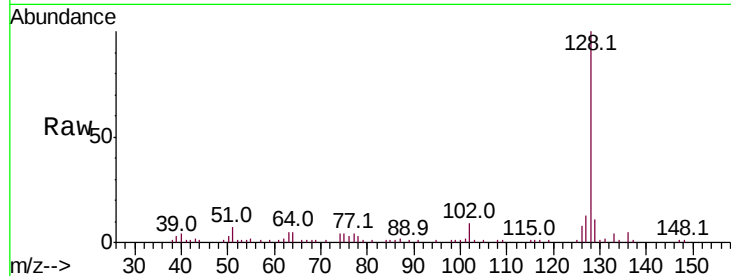
#31
Naphthalene
Concen: 2.028 ng
RT: 8.02 min Scan# 967
Delta R.T. -0.01 min
Lab File: BF109097.D
Acq: 18 Sep 2018 16:00

Instrument :
BNA_F
ClientSampleId :
PHASE-2

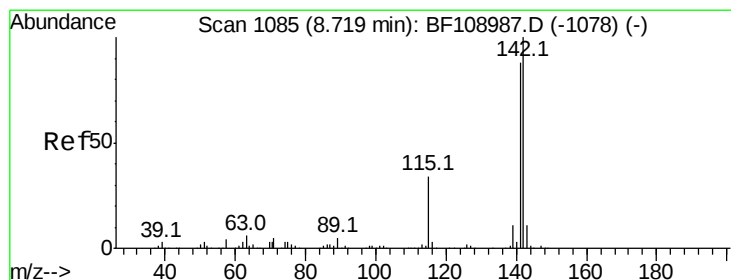
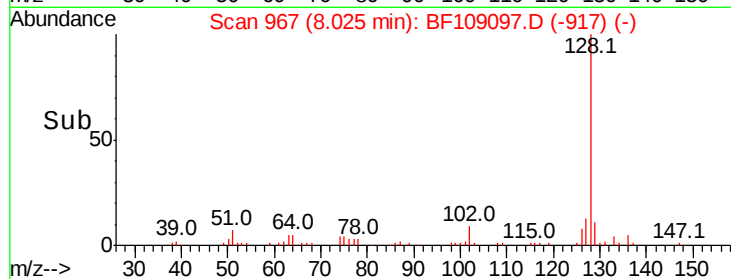
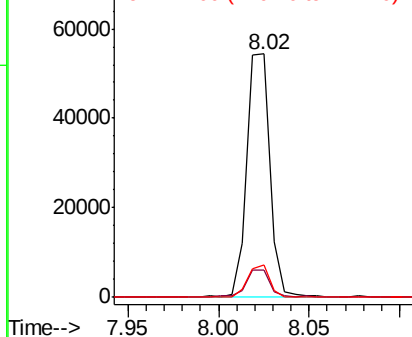
Tot Ion	Ratio	Lower	Upper
128	100		
129	11.3	8.8	13.2
127	13.1	10.9	16.3

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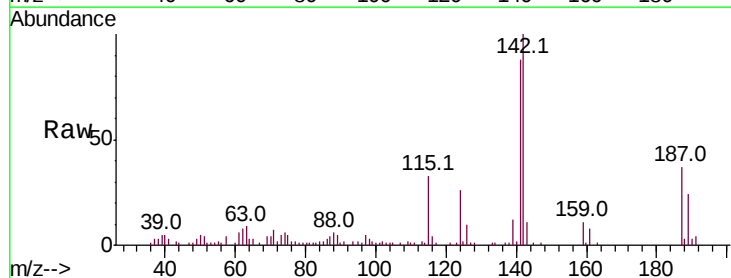


Abundance Ion 128.00 (127.70 to 128.70): E
Ion 129.00 (128.70 to 129.70): E
Ion 127.00 (126.70 to 127.70): E

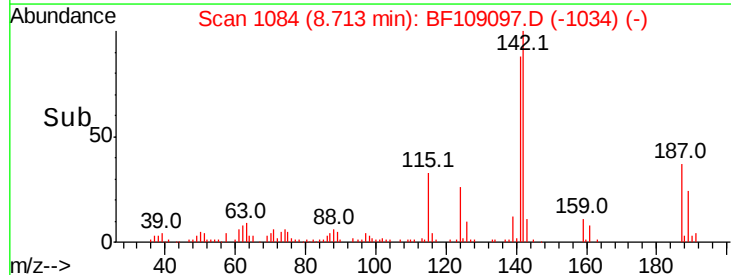
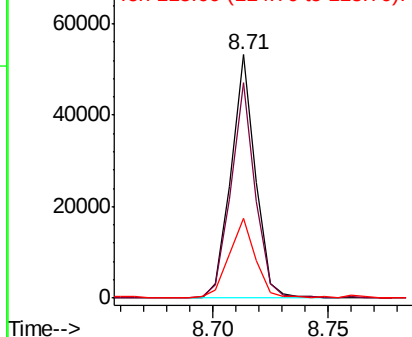


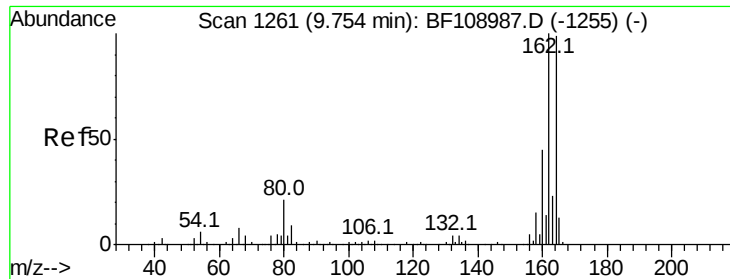
#37
2-Methylnaphthalene
Concen: 2.521 ng
RT: 8.71 min Scan# 1084
Delta R.T. -0.01 min
Lab File: BF109097.D
Acq: 18 Sep 2018 16:00

Tgt Ion	Ratio	Lower	Upper
142	100		
141	88.3	70.8	106.2
115	33.0	26.1	39.1



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





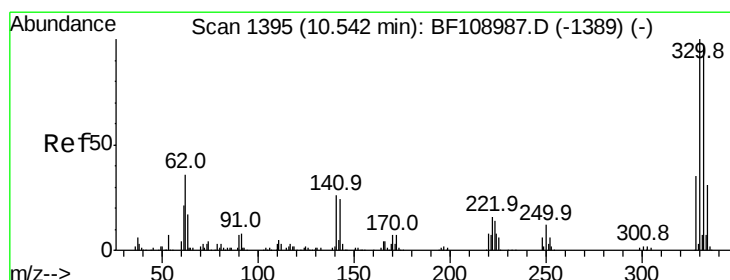
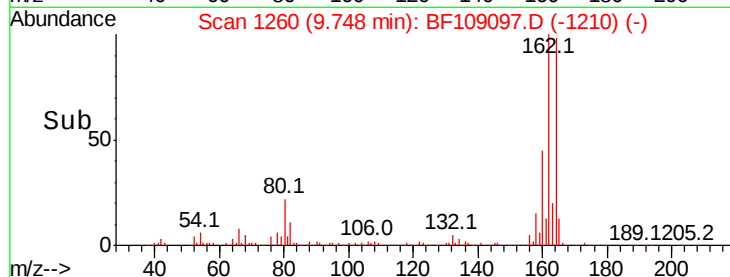
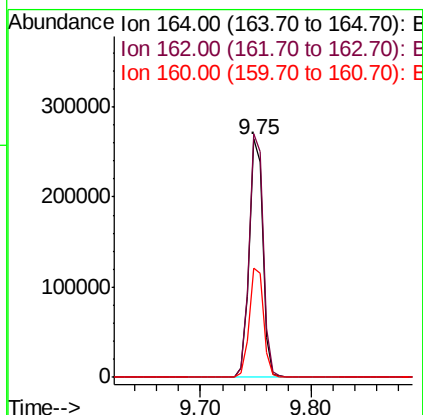
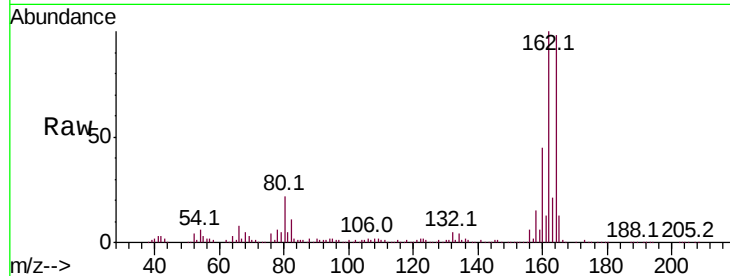
#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.75 min Scan# 1260
Delta R.T. -0.01 min
Lab File: BF109097.D
Acq: 18 Sep 2018 16:00

Instrument :
BNA_F
ClientSampleId :
PHASE-2

Tot Ion	Ratio	Resp	Lower	Upper
164	100			
162	102.3	86.1	129.1	
160	46.0	38.3	57.5	

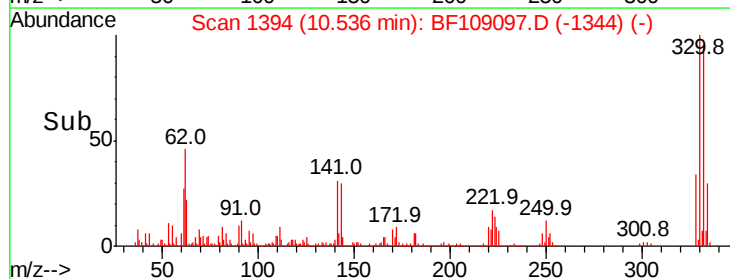
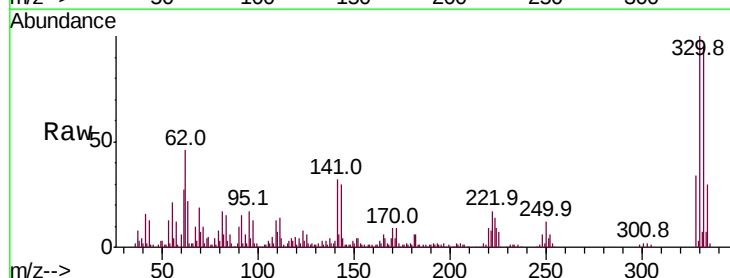
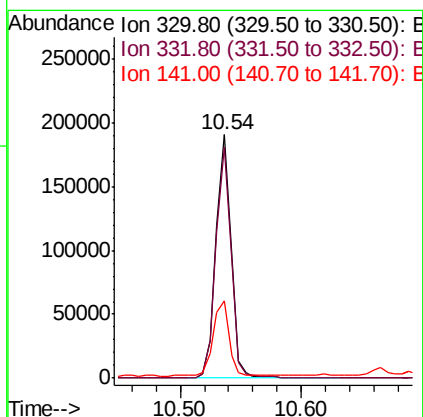
Manual Integrations
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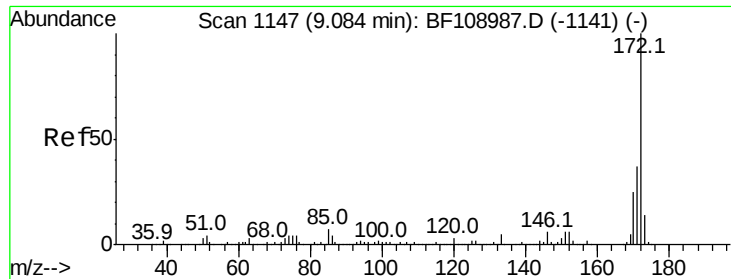
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#41
2,4,6-Tribromophenol
Concen: 64.623 ng
RT: 10.54 min Scan# 1394
Delta R.T. -0.01 min
Lab File: BF109097.D
Acq: 18 Sep 2018 16:00

Tgt Ion	Ratio	Resp	Lower	Upper
330	100			
332	95.4	77.0	115.6	
141	31.8	29.9	44.9	





#44

2-Fluorobiphenyl

Concen: 58.853 ng

RT: 9.08 min Scan# 1146

Delta R.T. -0.01 min

Lab File: BF109097.D

Acq: 18 Sep 2018 16:00

Instrument :

BNA_F

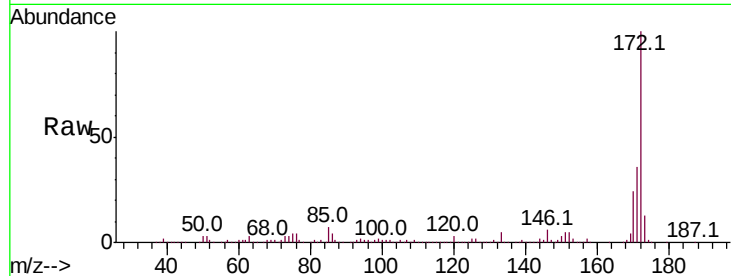
ClientSampled :

PHASE-2

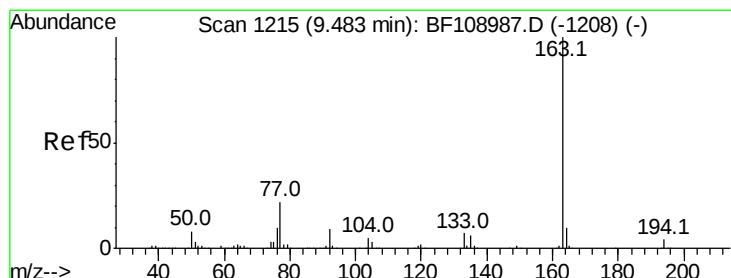
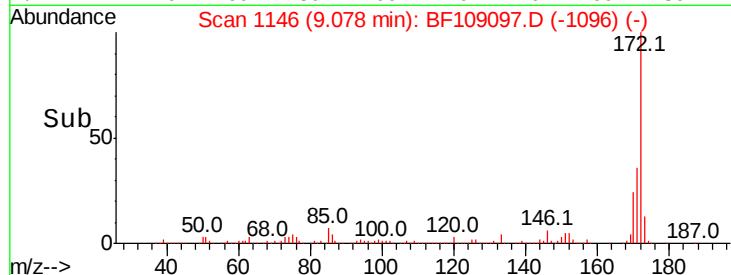
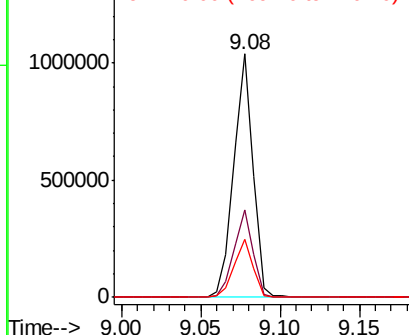
Tot Ion:	172	Resp:	878808
Ion Ratio	Lower	Upper	
172	100		
171	36.0	29.7	44.5
170	23.9	19.6	29.4

Manual Integrations
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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



#49

Dimethylphthalate

Concen: 10.783 ng

RT: 9.47 min Scan# 1213

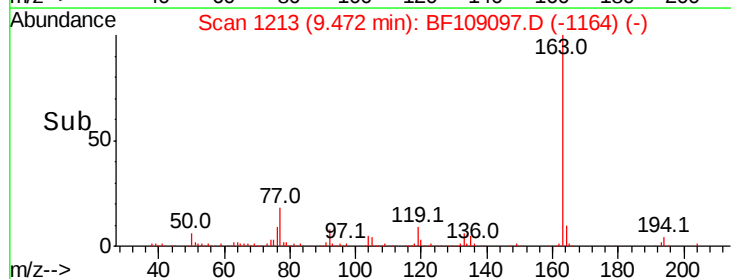
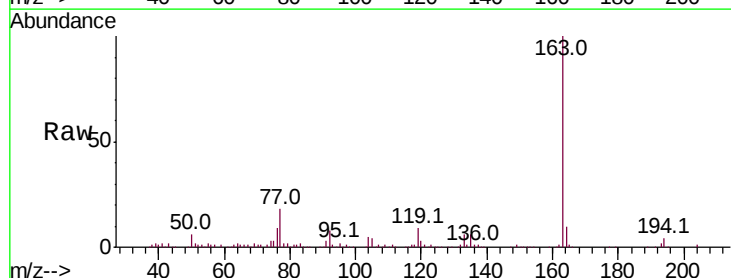
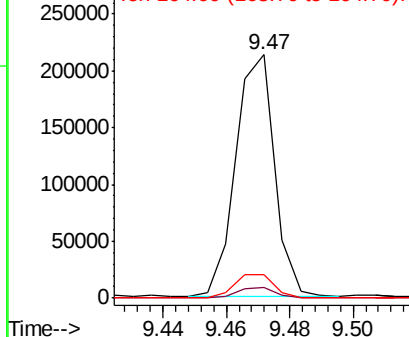
Delta R.T. -0.01 min

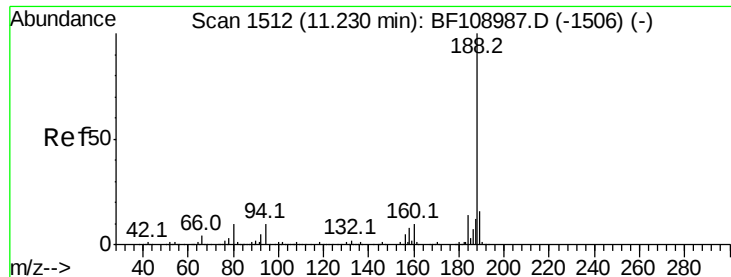
Lab File: BF109097.D

Acq: 18 Sep 2018 16:00

Tgt Ion:	163	Resp:	180311
Ion Ratio	Lower	Upper	
163	100		
194	4.2	2.7	4.1#
164	9.8	8.2	12.2

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





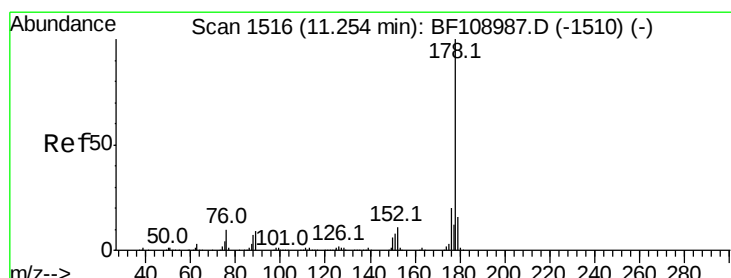
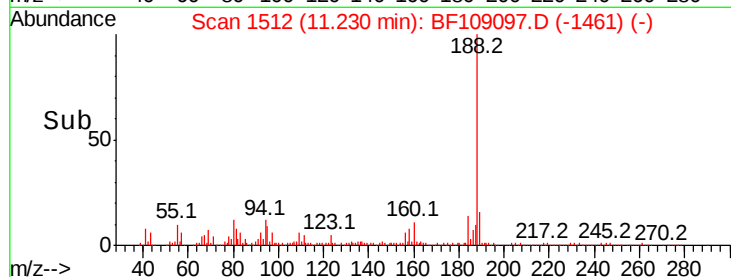
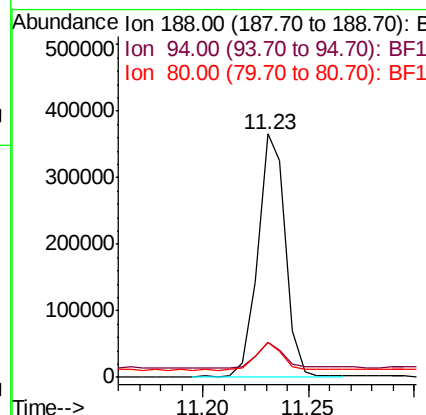
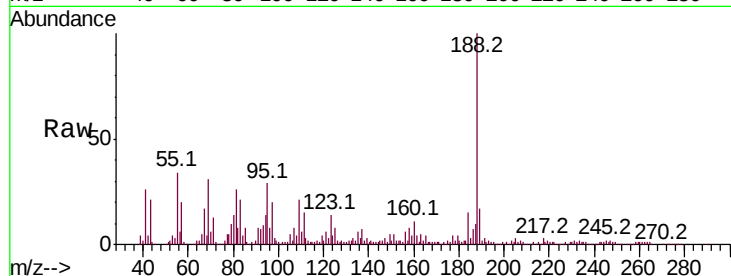
#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.23 min Scan# 1512
Delta R.T. -0.00 min
Lab File: BF109097.D
Acq: 18 Sep 2018 16:00

Instrument :
BNA_F
ClientSampled :
PHASE-2

Tot Ion	Ratio	Resp Lower	Upper
188	100		
94	14.3	8.5	12.7#
80	14.4	9.2	13.8#

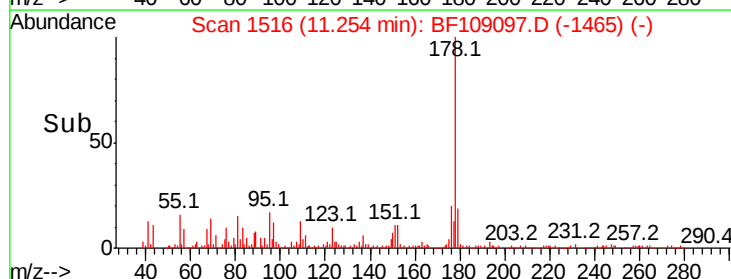
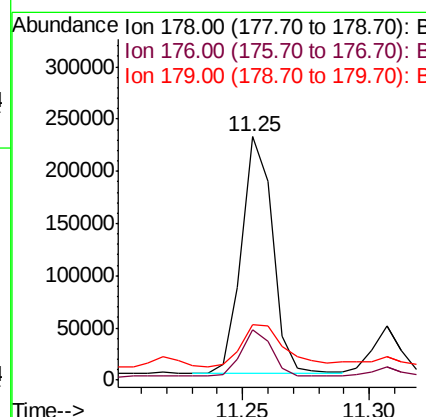
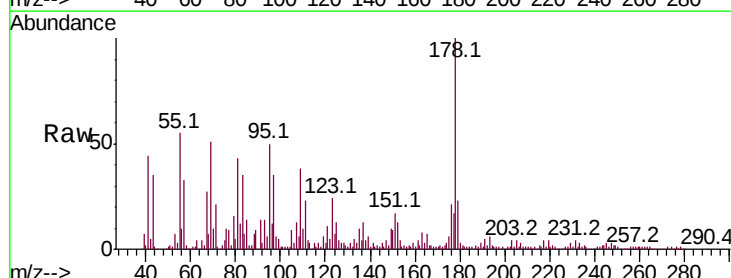
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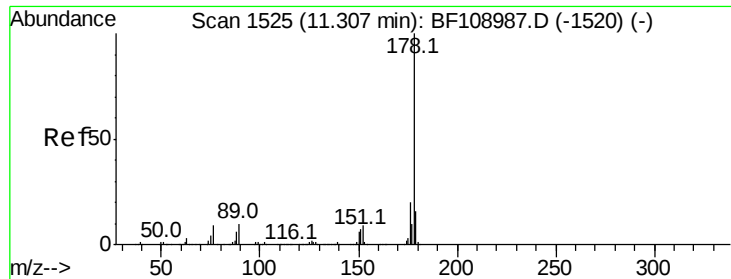
Sohil
9/19/2018 4:23:33 PM



#70
Phenanthrene
Concen: 12.137 ng
RT: 11.25 min Scan# 1516
Delta R.T. -0.00 min
Lab File: BF109097.D
Acq: 18 Sep 2018 16:00

Tgt Ion	Ratio	Resp Lower	Upper
178	100		
176	20.6	15.8	23.8
179	22.8	13.0	19.6#





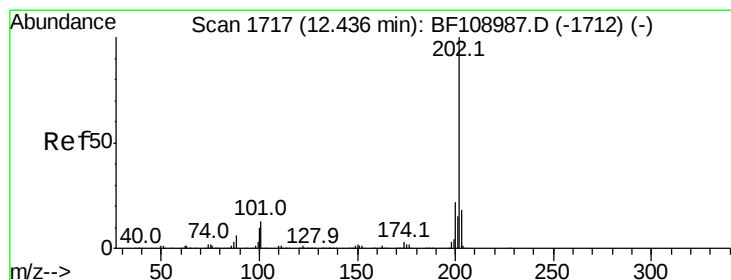
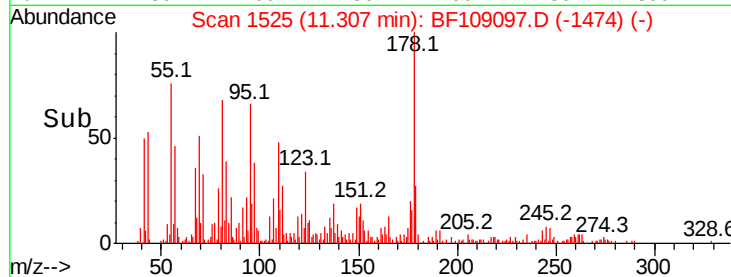
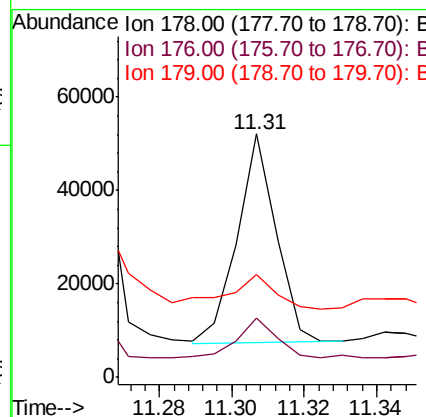
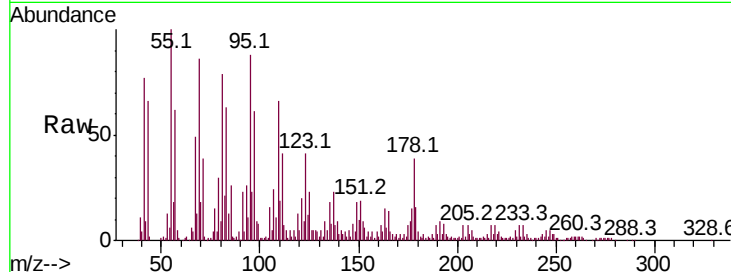
#71
 Anthracene
 Concen: 2.042 ng
 RT: 11.31 min Scan# 1525
 Delta R.T. -0.00 min
 Lab File: BF109097.D
 Acq: 18 Sep 2018 16:00

Instrument :
 BNA_F
 ClientSampleId :
 PHASE-2

Tot Ion	Ratio	Lower	Upper
178	100		
176	24.5	15.4	23.2#
179	42.1	12.6	19.0#

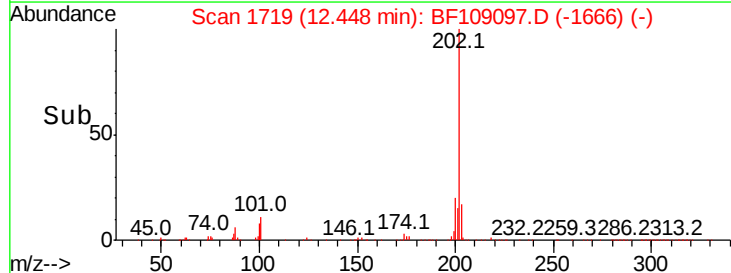
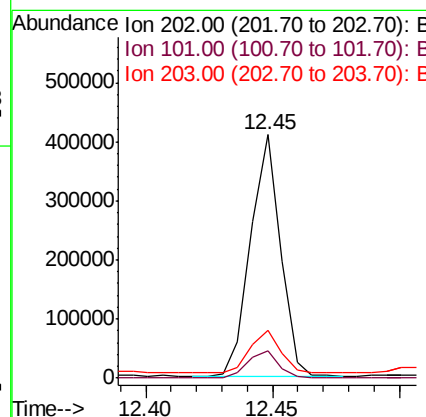
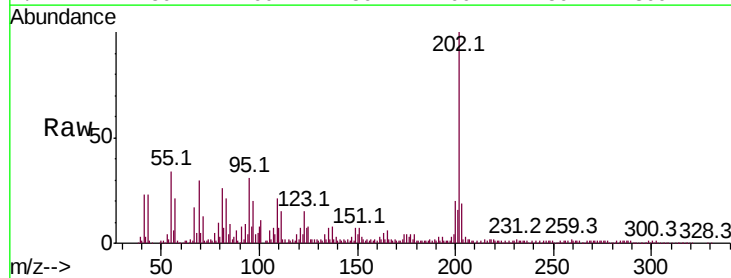
Manual Integrations
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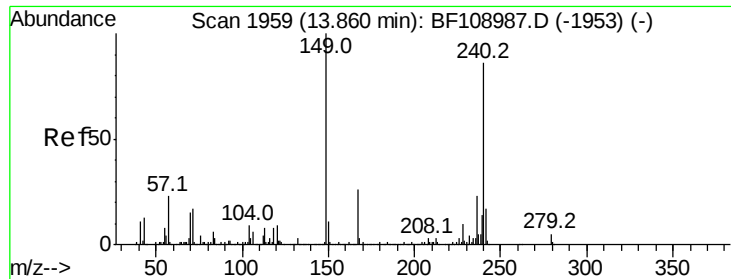
Sohil
 9/19/2018 4:23:33 PM



#74
 Fluoranthene
 Concen: 19.775 ng
 RT: 12.45 min Scan# 1719
 Delta R.T. 0.01 min
 Lab File: BF109097.D
 Acq: 18 Sep 2018 16:00

Tgt Ion	Ratio	Lower	Upper
202	100		
101	11.1	0.0	34.1
203	19.5	0.0	38.1





#75

Chrysene-d12

Concen: 20.000 ng

RT: 13.86 min Scan# 1959

Delta R.T. -0.00 min

Lab File: BF109097.D

Acq: 18 Sep 2018 16:00

Instrument :

BNA_F

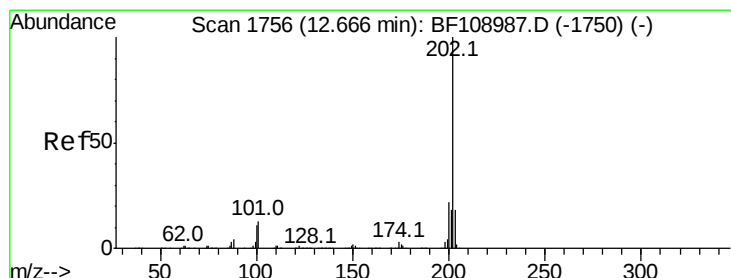
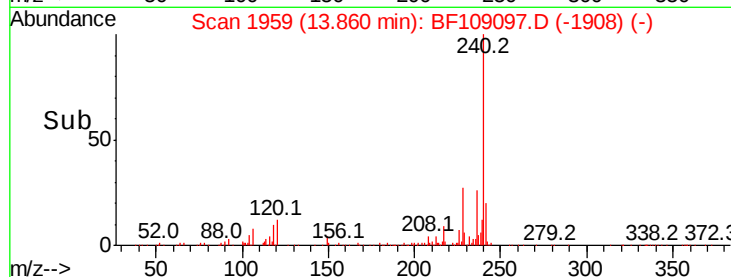
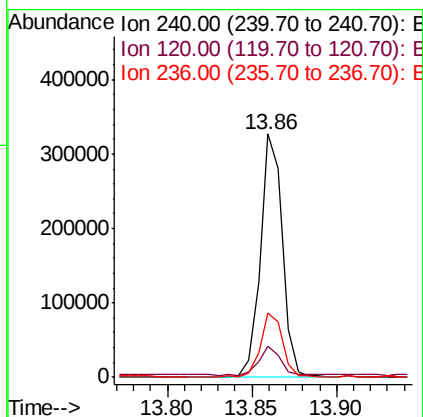
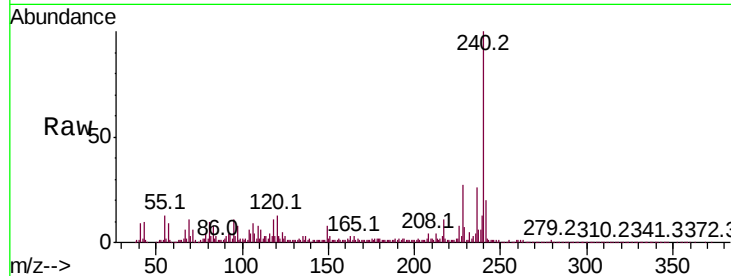
ClientSampleId :

PHASE-2

Tot Ion:	240	Resp:	292913
Ion Ratio	Lower	Upper	
240	100		
120	12.7	9.5	14.3
236	26.4	20.7	31.1

Manual Integrations
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#77

Pyrene

Concen: 16.119 ng

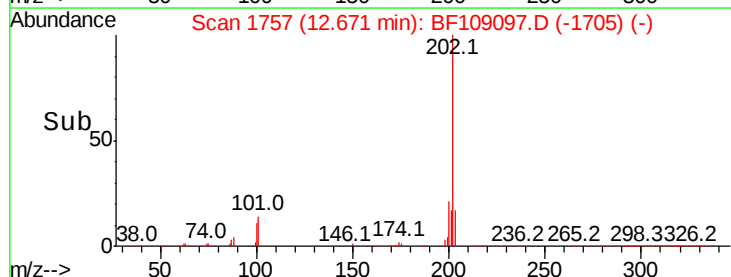
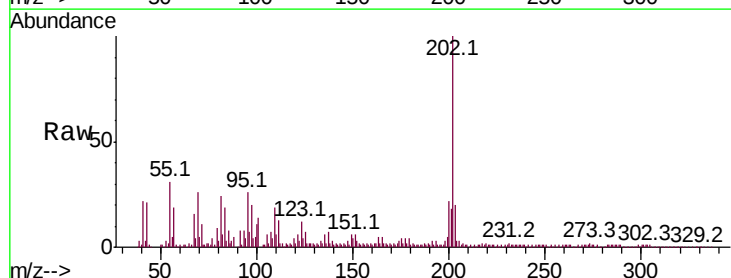
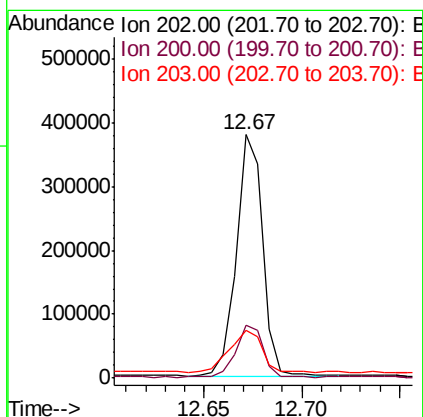
RT: 12.67 min Scan# 1757

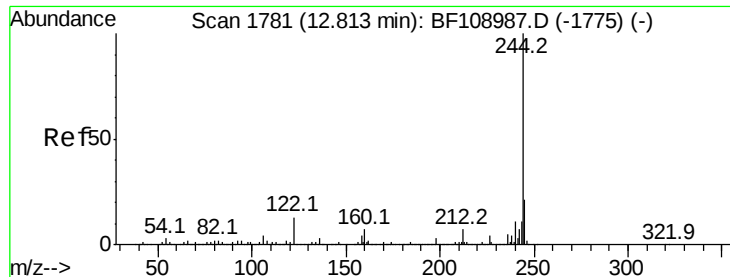
Delta R.T. 0.01 min

Lab File: BF109097.D

Acq: 18 Sep 2018 16:00

Tgt Ion:	202	Resp:	350701
Ion Ratio	Lower	Upper	
202	100		
200	21.5	17.4	26.2
203	19.8	14.3	21.5





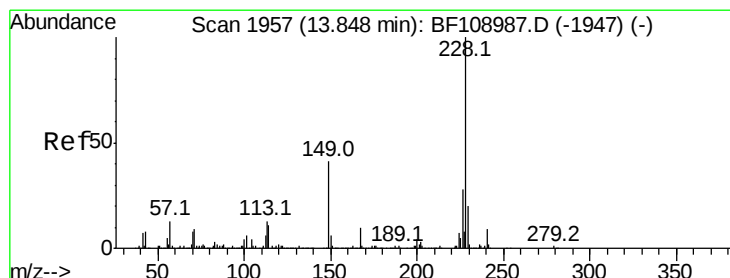
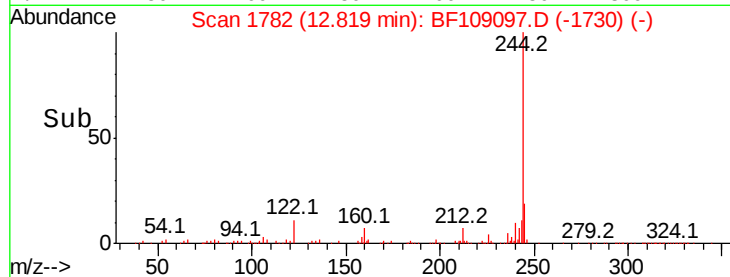
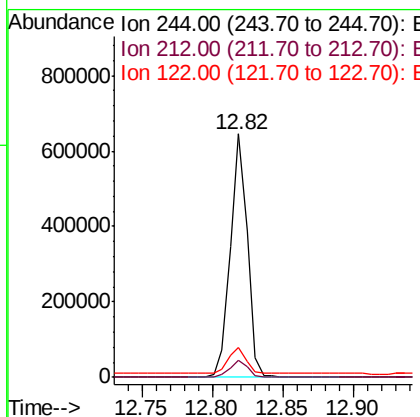
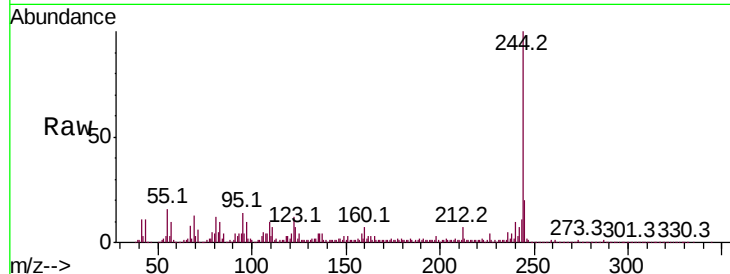
#78
 Terphenyl-d14
 Concen: 43.133 ng
 RT: 12.82 min Scan# 1782
 Delta R.T. 0.01 min
 Lab File: BF109097.D
 Acq: 18 Sep 2018 16:00

Instrument :
 BNA_F
 ClientSampleId :
 PHASE-2

Tot Ion	Ratio	Lower	Upper
244	100		
212	7.1	5.4	8.0
122	12.5	11.0	16.4

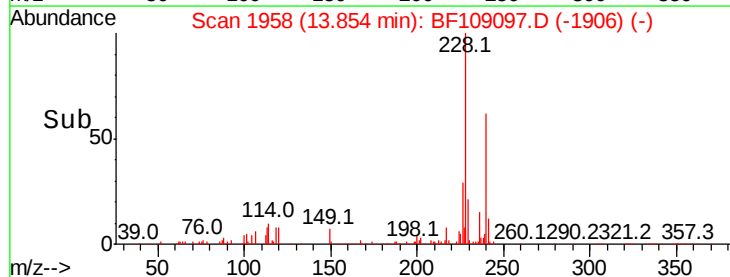
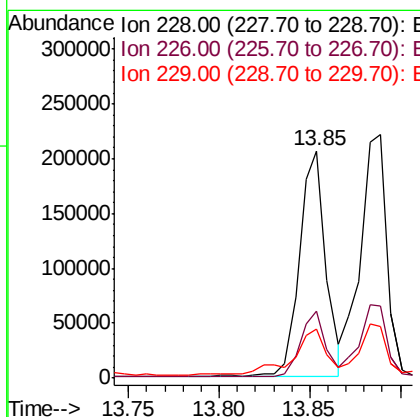
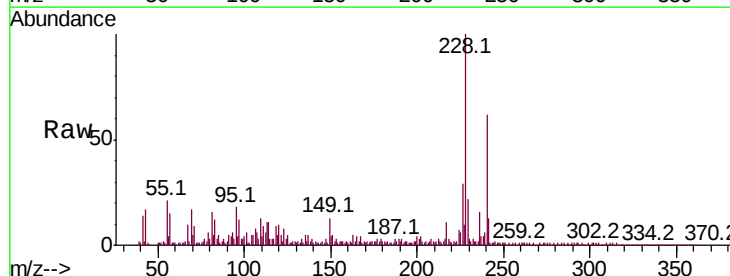
Manual Integrations
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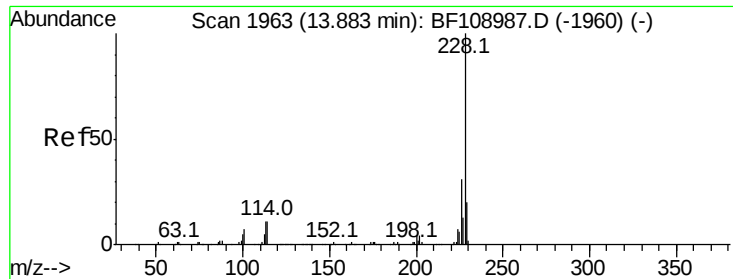
Sohil
 9/19/2018 4:23:33 PM



#80
 Benzo(a)anthracene
 Concen: 11.947 ng
 RT: 13.85 min Scan# 1958
 Delta R.T. 0.01 min
 Lab File: BF109097.D
 Acq: 18 Sep 2018 16:00

Tgt Ion	Ratio	Lower	Upper
228	100		
226	29.4	22.6	33.8
229	21.8	15.8	23.6





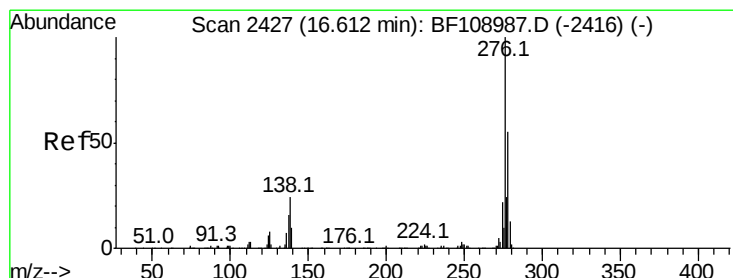
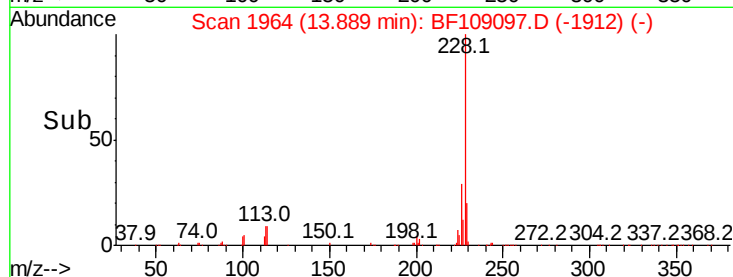
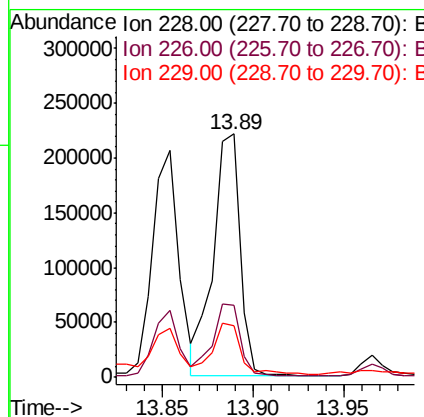
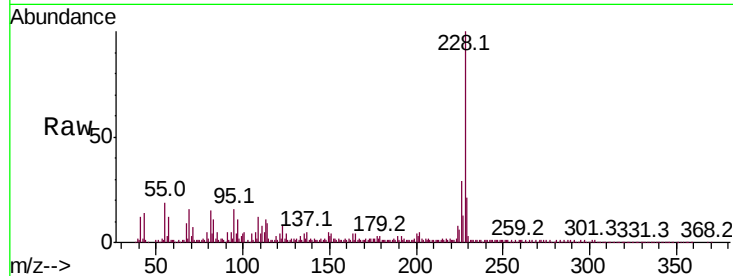
#82
Chrysene
Concen: 12.848 ng
RT: 13.89 min Scan# 1964
Delta R.T. 0.01 min
Lab File: BF109097.D
Acq: 18 Sep 2018 16:00

Instrument :
BNA_F
ClientSampleId :
PHASE-2

Tot Ion:228	Resp:	227962
Ion Ratio	Lower	Upper
228 100		
226 29.4	25.0	37.6
229 21.3	16.2	24.4

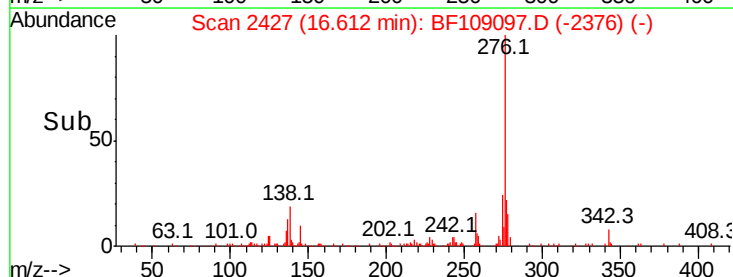
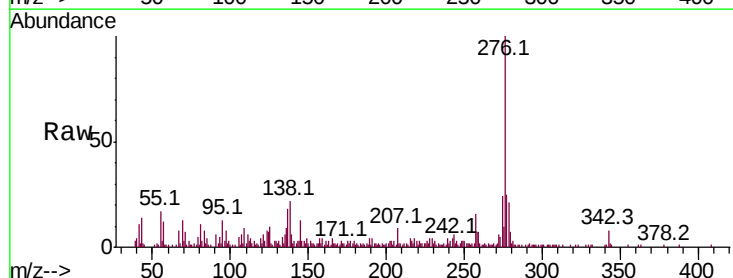
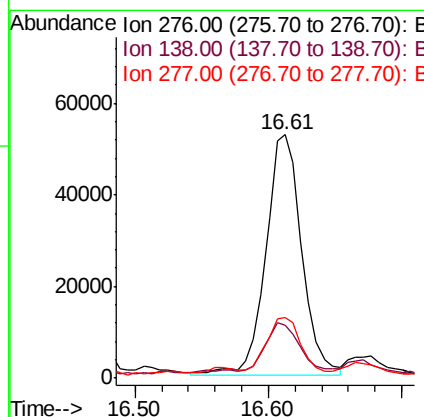
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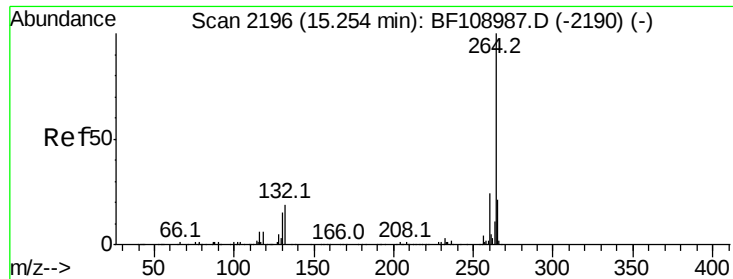
Sohil
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#85
Indeno(1,2,3-cd)pyrene
Concen: 6.919 ng
RT: 16.61 min Scan# 2427
Delta R.T. -0.00 min
Lab File: BF109097.D
Acq: 18 Sep 2018 16:00

Tgt Ion:276	Resp:	98147
Ion Ratio	Lower	Upper
276 100		
138 23.1	25.0	37.6#
277 23.8	20.1	30.1





#86

Pervlene-d12

Concen: 20.000 ng

RT: 15.27 min Scan# 2198

Delta R.T. 0.01 min

Lab File: BF109097.D

Acq: 18 Sep 2018 16:00

Instrument :

BNA_F

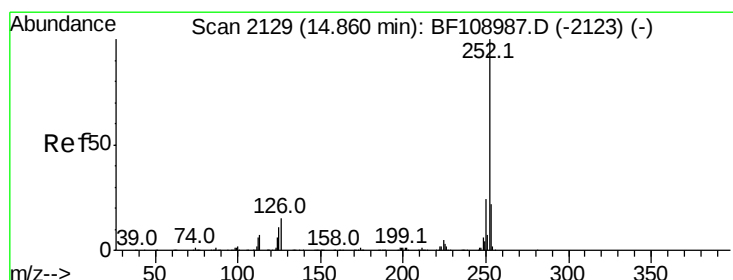
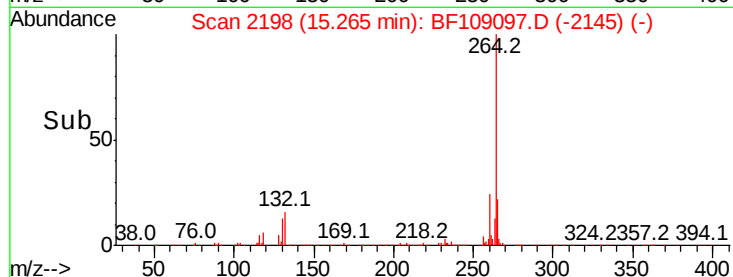
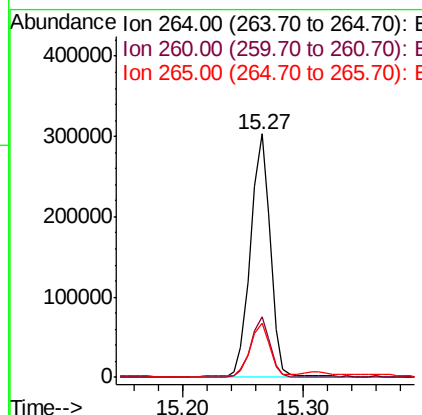
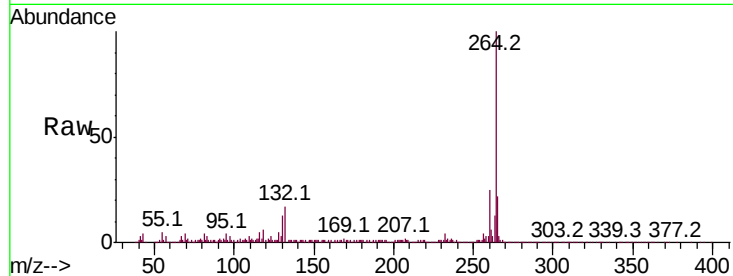
ClientSampled :

PHASE-2

Tot Ion:	264	Resp:	348593
Ion Ratio	Lower	Upper	
264	100		
260	24.6	19.2	28.8
265	22.2	17.5	26.3

Manual Integrations
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#87

Benzo(b)fluoranthene

Concen: 14.452 ng m

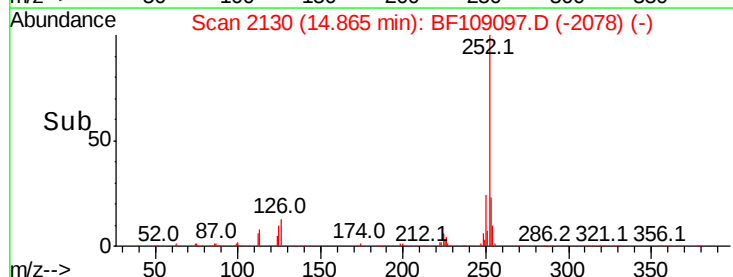
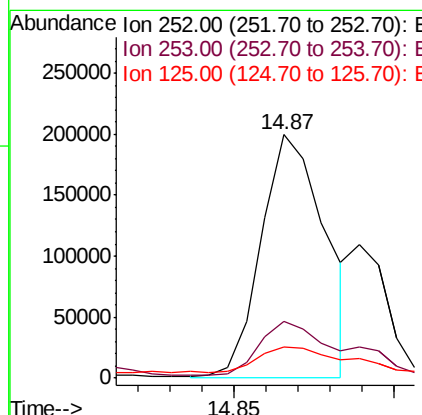
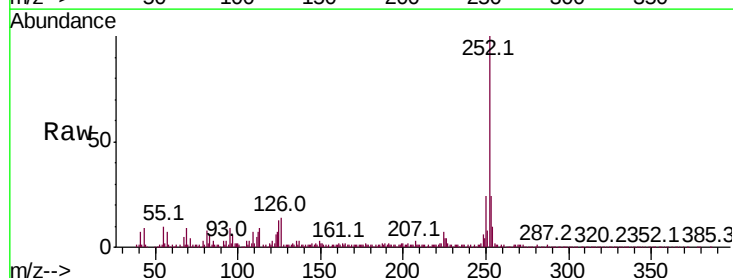
RT: 14.87 min Scan# 2130

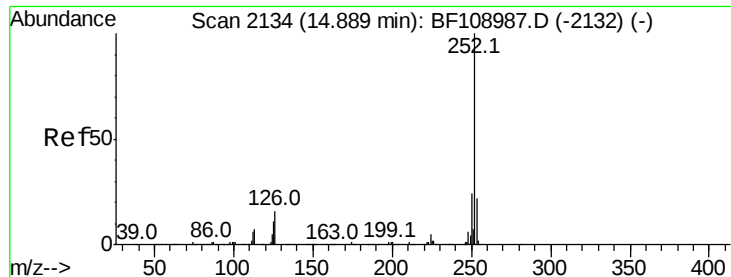
Delta R.T. 0.01 min

Lab File: BF109097.D

Acq: 18 Sep 2018 16:00

Tgt Ion:	252	Resp:	278696
Ion Ratio	Lower	Upper	
252	100		
253	23.5	17.0	25.6
125	12.9	9.0	13.6





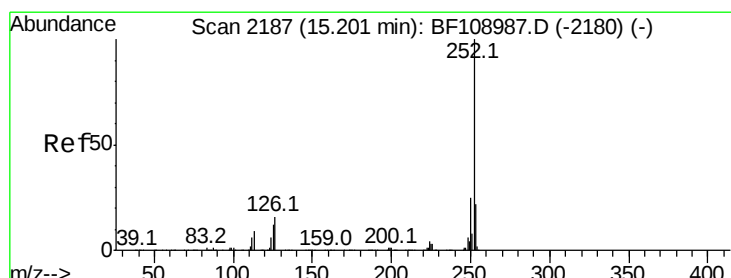
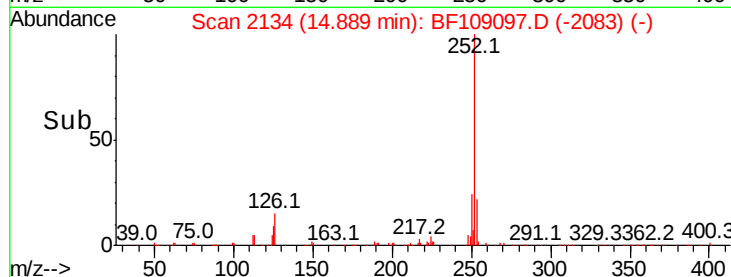
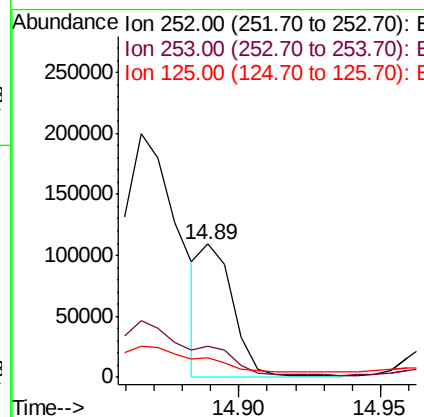
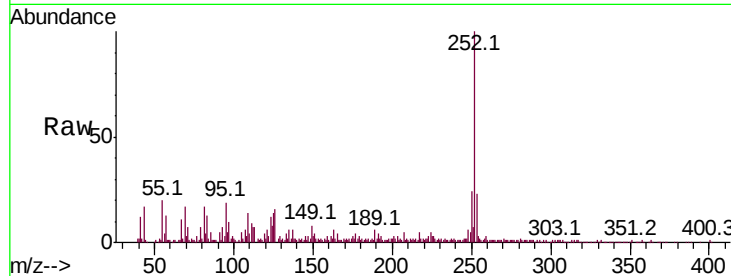
#88
Benzo(k)fluoranthene
Concen: 4.917 ng/mL
RT: 14.89 min Scan# 2134
Delta R.T. -0.00 min
Lab File: BF109097.D
Acq: 18 Sep 2018 16:00

Instrument :
BNA_F
ClientSampled :
PHASE-2

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.3	17.9	26.9
125	14.3	10.2	15.2

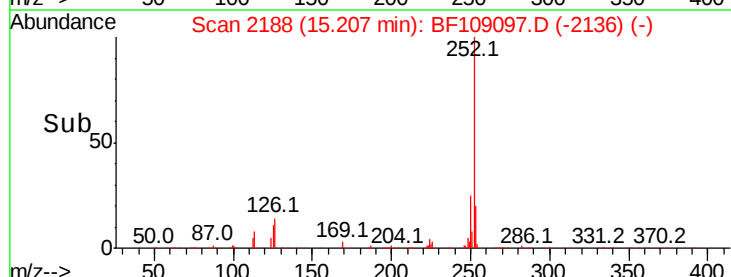
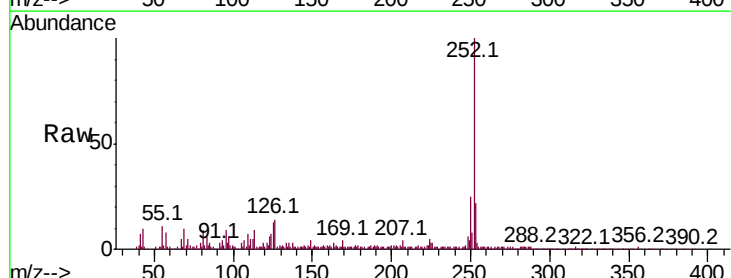
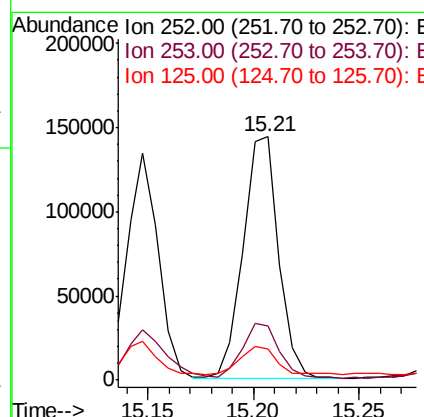
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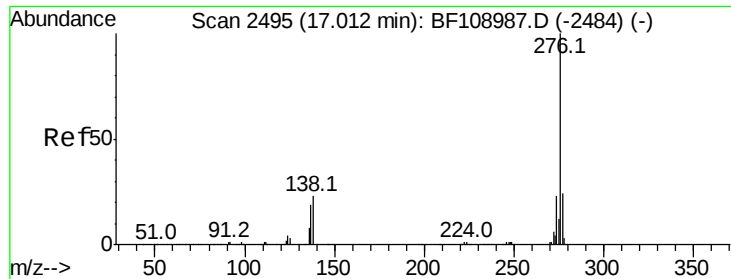
Sohil
9/19/2018 4:23:33 PM



#89
Benzo(a)pyrene
Concen: 9.753 ng/mL
RT: 15.21 min Scan# 2188
Delta R.T. 0.01 min
Lab File: BF109097.D
Acq: 18 Sep 2018 16:00

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.5	17.1	25.7
125	12.8	9.8	14.6





#91
 Benzo(a,h,i)perylene
 Concen: 5.786 ng
 RT: 17.02 min Scan# 2496
 Delta R.T. 0.01 min
 Lab File: BF109097.D
 Acq: 18 Sep 2018 16:00

Instrument :
 BNA_F
 ClientSampleId :
 PHASE-2

Tot Ion	Ratio	Lower	Upper
276	100		
277	26.2	17.9	26.9
138	25.2	21.8	32.8

Manual Integrations
 APPROVED

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