

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF091718\
 Data File : BF109049.D
 Acq On : 17 Sep 2018 15:39
 Operator : JU/SJ
 Sample : J4775-07 4X
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 OR-03-091418-B

Manual Integrations
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Sohil
 9/18/2018 6:00:09 PM

Quant Time: Sep 17 17:13:31 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	132820	20.00	ng	0.00
21) Naphthalene-d8	8.00	136	455731	20.00	ng	0.00
38) Acenaphthene-d10	9.75	164	193866	20.00	ng	0.00
63) Phenanthrene-d10	11.23	188	377211	20.00	ng	0.00
75) Chrysene-d12	13.85	240	382986	20.00	ng	0.00
86) Perylene-d12	15.26	264	292650	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.32	112	201891	25.25	ng	0.00
7) Phenol-d6	6.35	99	247902	24.04	ng	-0.01
23) Nitrobenzene-d5	7.27	82	145191	17.87	ng	-0.02
41) 2,4,6-Tribromophenol	10.53	330	48717	23.15	ng	-0.01
44) 2-Fluorobiphenyl	9.08	172	255424	20.64	ng	0.00
78) Terphenyl-d14	12.81	244	264404	16.36	ng	0.00
Target Compounds						
57) Fluorene	10.30	166	32908	2.930	ng	99
70) Phenanthrene	11.25	178	285910	15.462	ng	98
71) Anthracene	11.30	178	75658	4.036	ng	99
74) Fluoranthene	12.44	202	318838	16.333	ng	97
77) Pyrene	12.66	202	306773	10.784	ng	99
80) Benzo(a)anthracene	13.84	228	147267	6.351	ng	96
82) Chrysene	13.88	228	129705	5.591	ng	97
85) Indeno(1,2,3-cd)pyrene	16.60	276	42571	2.295	ng	# 91
87) Benzo(b)fluoranthene	14.86	252	128524m	7.938	ng	
88) Benzo(k)fluoranthene	14.88	252	38663m	2.557	ng	
89) Benzo(a)pyrene	15.19	252	85368	5.937	ng	99
91) Benzo(a,h,i)perylene	17.01	276	38508	3.189	ng	94

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

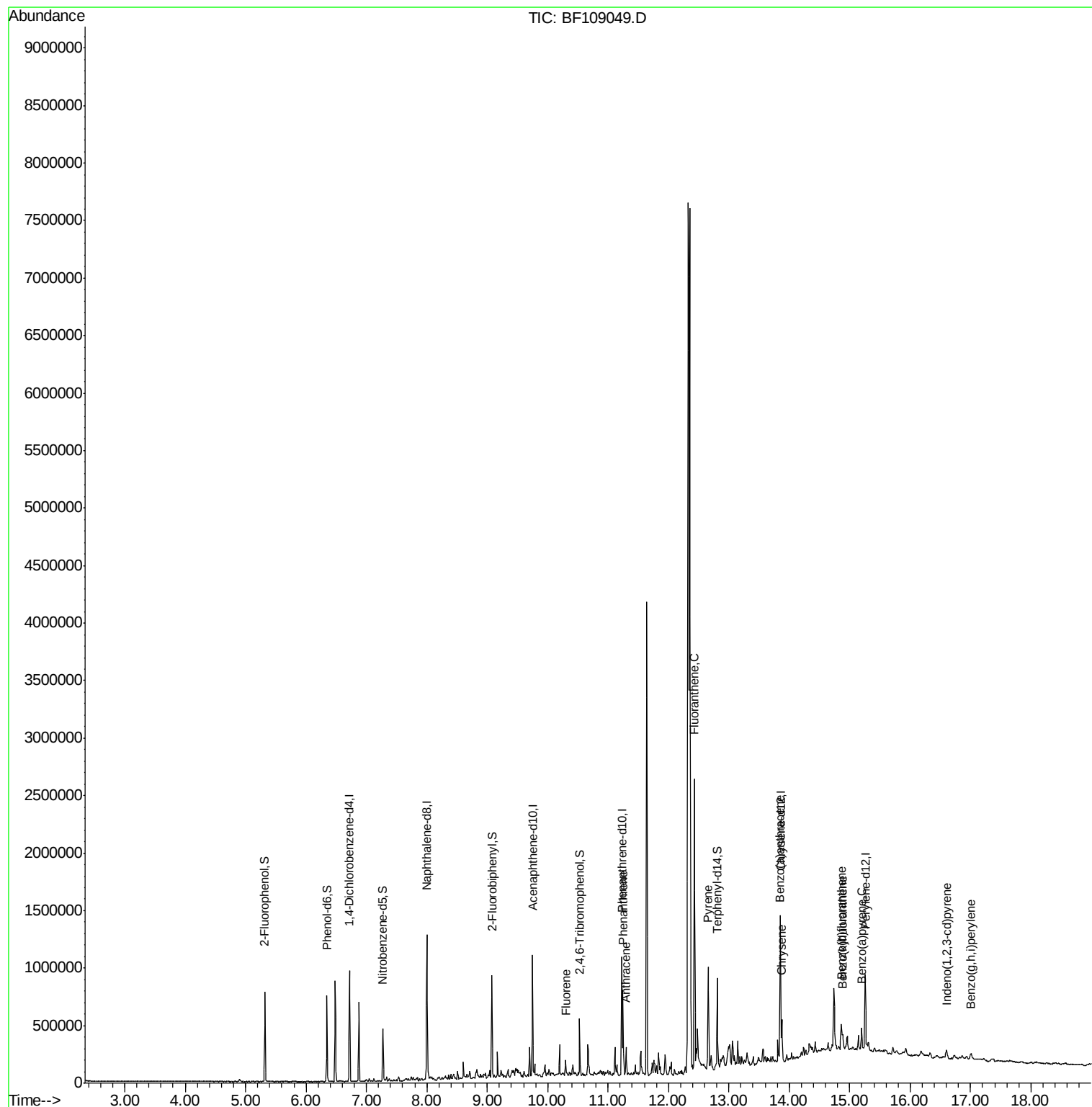
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF091718\
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ALS Vial : 13 Sample Multiplier: 1

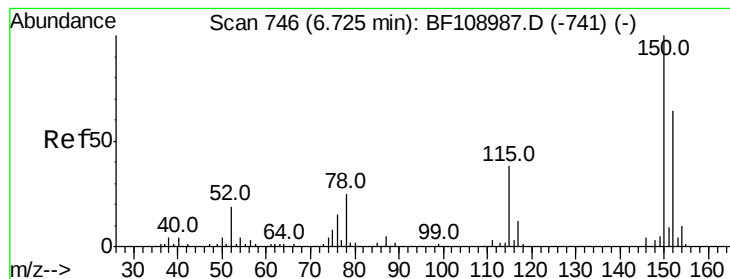
Instrument :
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OR-03-091418-B

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Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF091418.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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#1

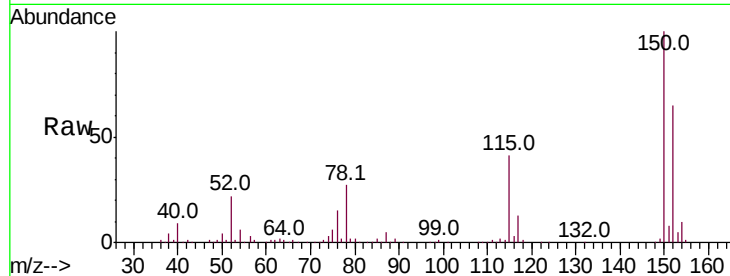
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.72 min Scan# 745
Delta R.T. -0.01 min
Lab File: BF109049.D
Acq: 17 Sep 2018 15:39

Instrument :
BNA_F
ClientSampleId :
OR-03-091418-B

Tot Ion	Ratio	Lower	Upper
152	100		
150	153.8	124.6	186.8
115	62.7	50.1	75.1

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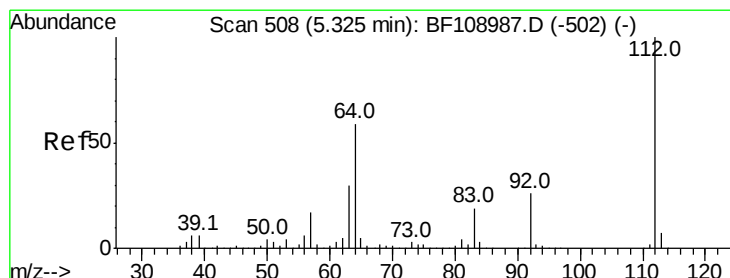
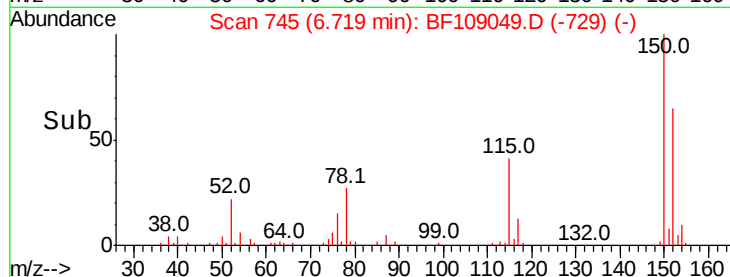
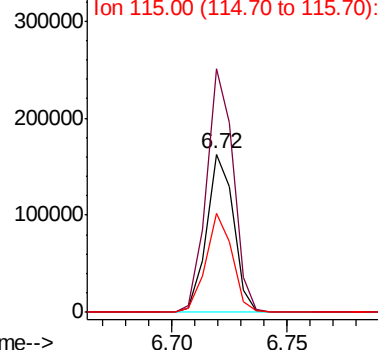


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

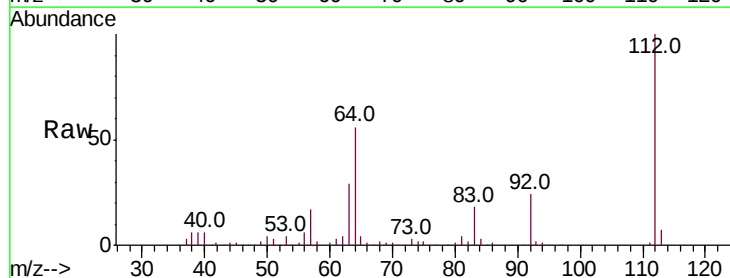
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 25.246 ng
RT: 5.32 min Scan# 507
Delta R.T. -0.00 min
Lab File: BF109049.D
Acq: 17 Sep 2018 15:39

Tgt Ion	Ratio	Lower	Upper
112	100		
64	56.3	47.9	71.9
63	29.0	23.7	35.5

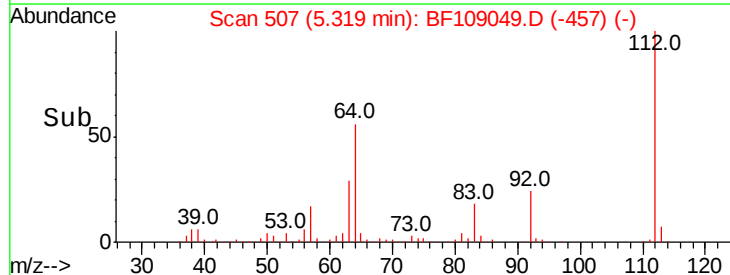
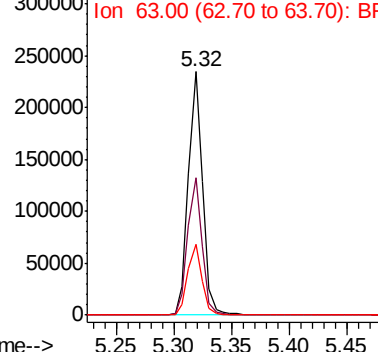


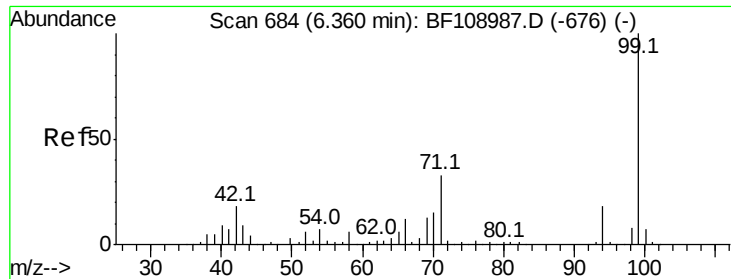
Abundance

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: 24.041 ng

RT: 6.35 min Scan# 682

Delta R.T. -0.01 min

Lab File: BF109049.D

Acq: 17 Sep 2018 15:39

Instrument :

BNA_F

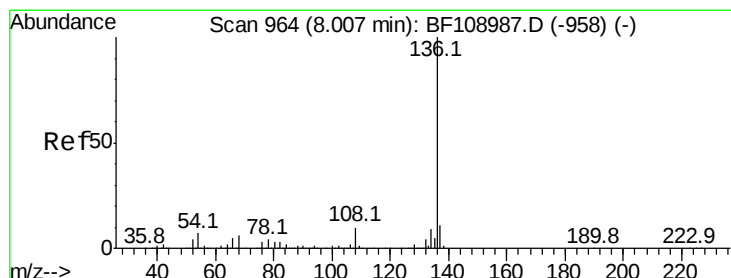
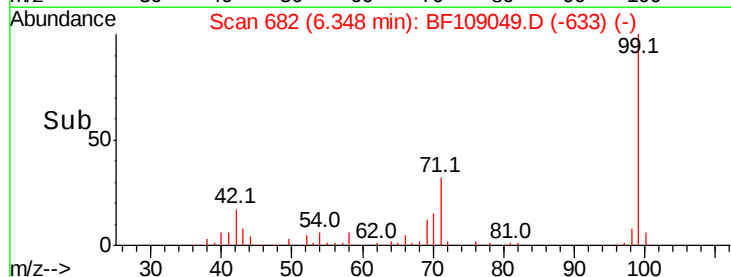
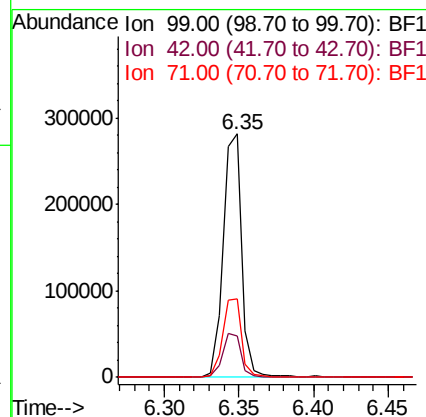
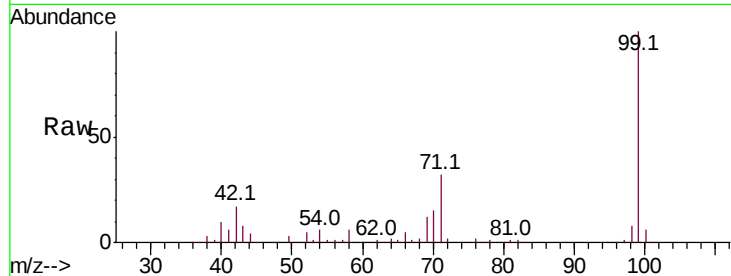
ClientSampleId :

OR-03-091418-B

Tot Ion	Ion	Ratio	Resp	Lower	Upper
99	100		247902		
42	16.9	14.5	21.7		
71	32.2	25.4	38.0		

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#21

Naphthalene-d8

Concen: 20.000 ng

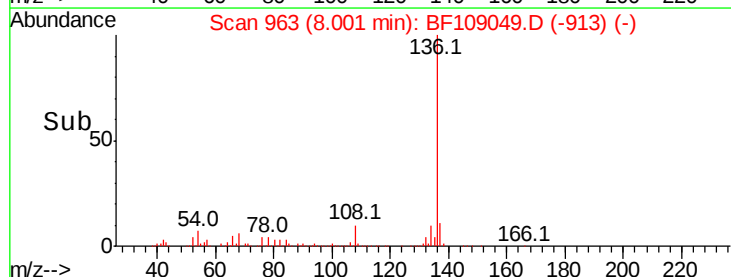
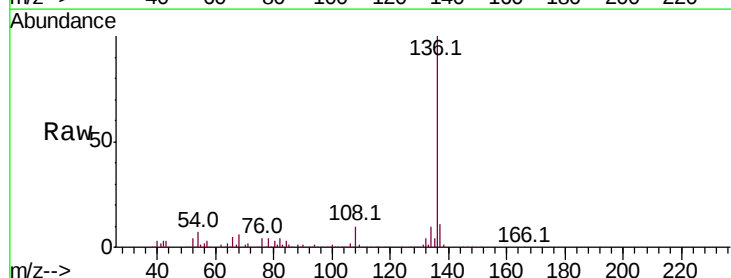
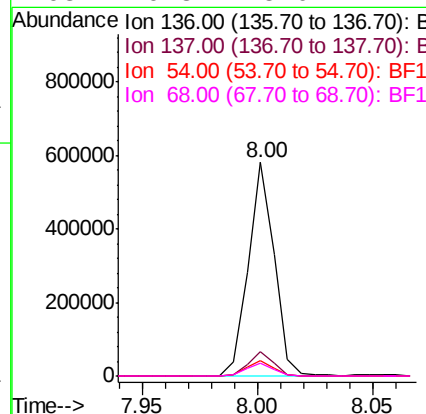
RT: 8.00 min Scan# 963

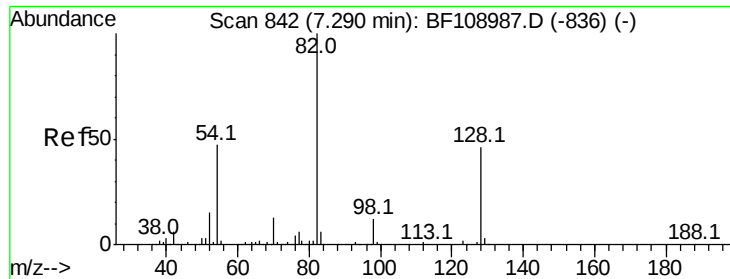
Delta R.T. -0.01 min

Lab File: BF109049.D

Acq: 17 Sep 2018 15:39

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
136	100		455731		
137	11.2	8.9	13.3		
54	7.4	6.6	9.8		
68	6.3	5.0	7.4		





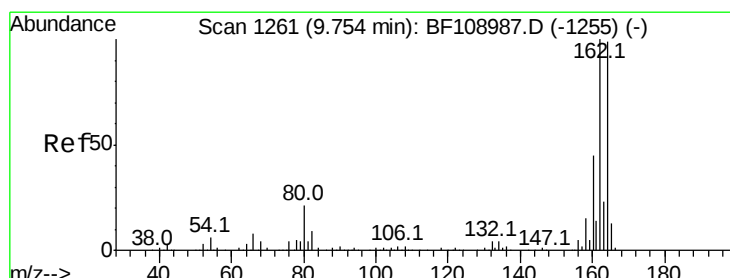
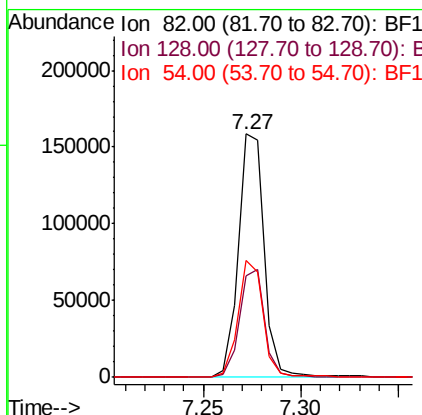
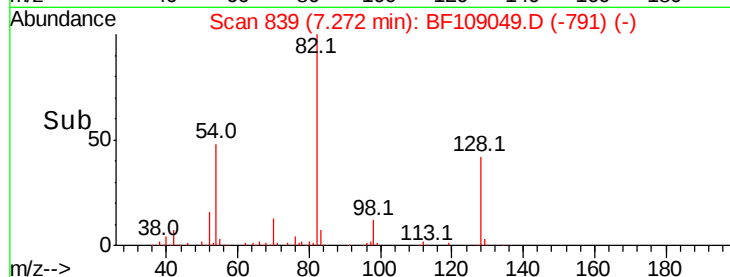
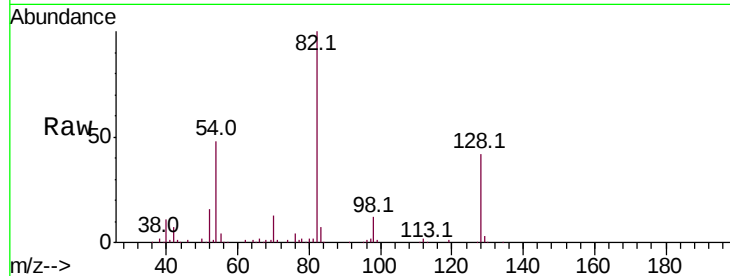
#23
 Nitrobenzene-d5
 Concen: 17.869 ng
 RT: 7.27 min Scan# 839
 Delta R.T. -0.02 min
 Lab File: BF109049.D
 Acq: 17 Sep 2018 15:39

Instrument :
 BNA_F
 ClientSampleId :
 OR-03-091418-B

Tot Ion	Ratio	Lower	Upper
82	100		
128	41.6	36.1	54.1
54	47.8	41.4	62.2

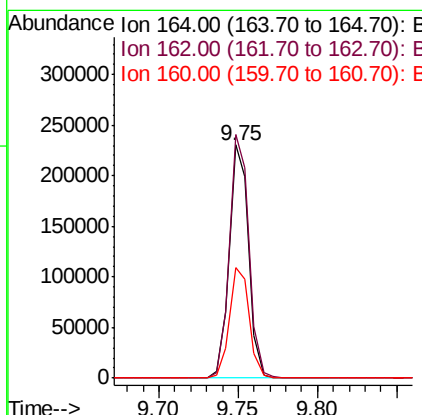
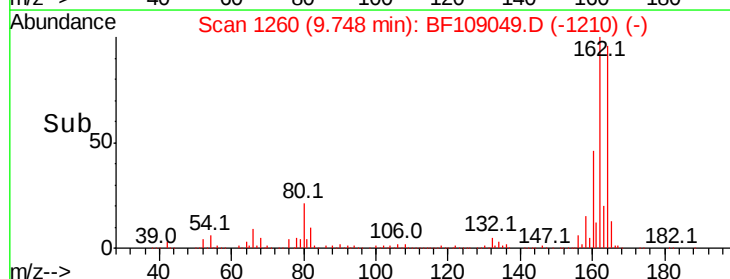
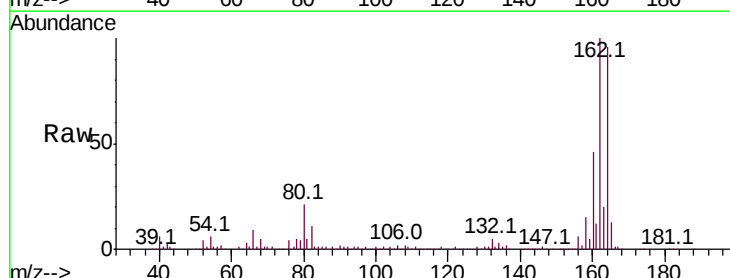
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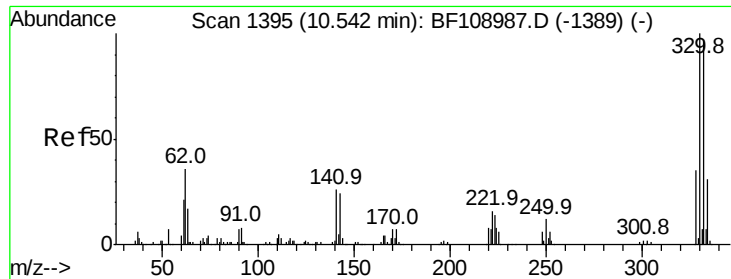
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#38
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.75 min Scan# 1260
 Delta R.T. -0.01 min
 Lab File: BF109049.D
 Acq: 17 Sep 2018 15:39

Tgt Ion	Ratio	Lower	Upper
164	100		
162	104.4	86.1	129.1
160	47.6	38.3	57.5





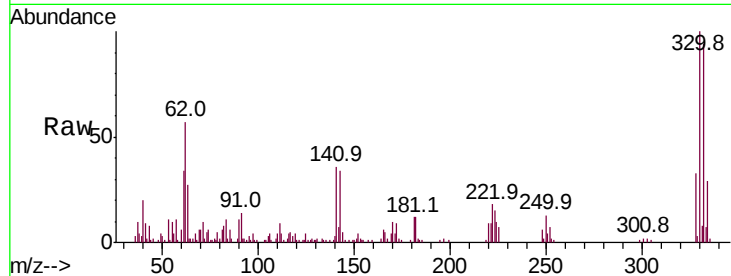
#41
 2,4,6-Tribromophenol
 Concen: 23.155 ng
 RT: 10.53 min Scan# 1393
 Delta R.T. -0.01 min
 Lab File: BF109049.D
 Acq: 17 Sep 2018 15:39

Instrument :
 BNA_F
 ClientSampleId :
 OR-03-091418-B

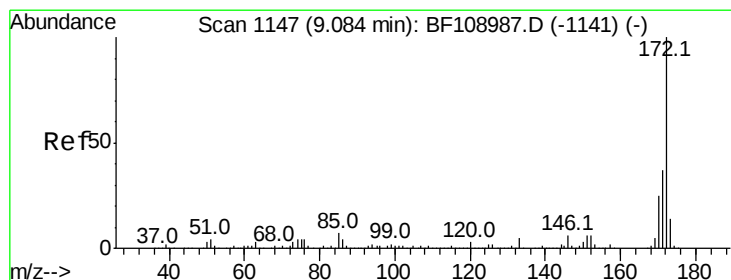
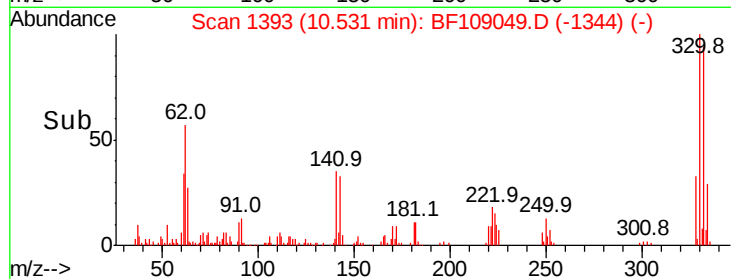
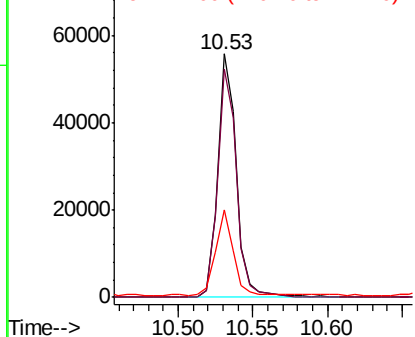
Tot Ion	Ratio	Lower	Upper
330	100		
332	94.9	77.0	115.6
141	34.4	29.9	44.9

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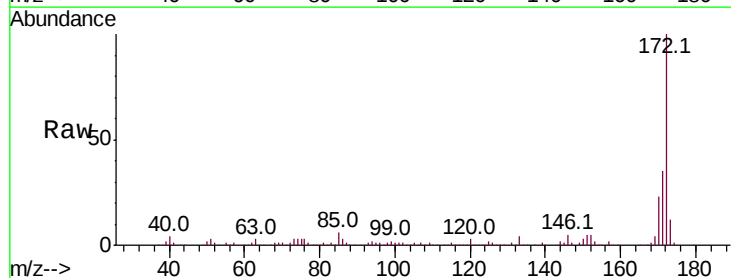


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

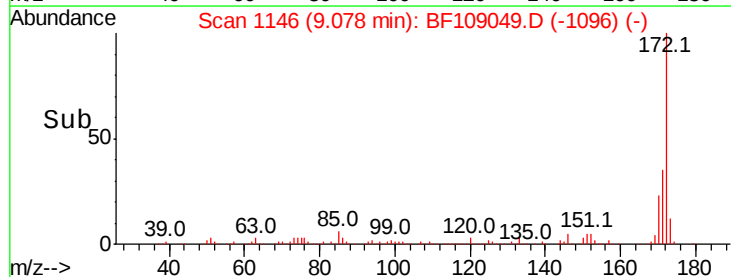
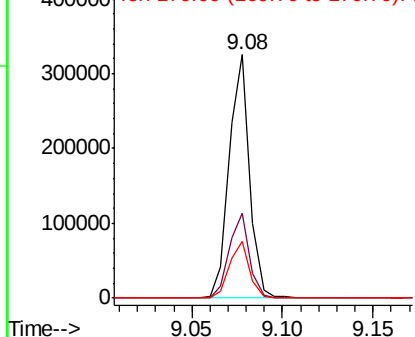


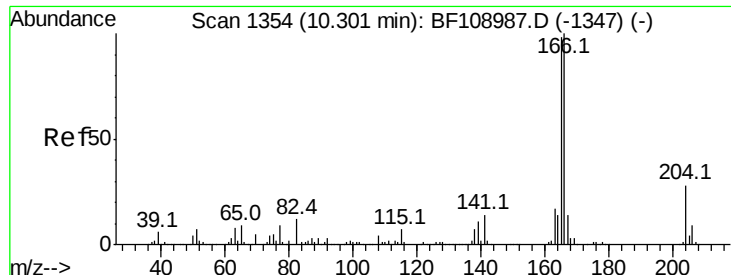
#44
 2-Fluorobiphenyl
 Concen: 20.642 ng
 RT: 9.08 min Scan# 1146
 Delta R.T. -0.01 min
 Lab File: BF109049.D
 Acq: 17 Sep 2018 15:39

Tgt Ion	Ratio	Lower	Upper
172	100		
171	34.7	29.7	44.5
170	23.2	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





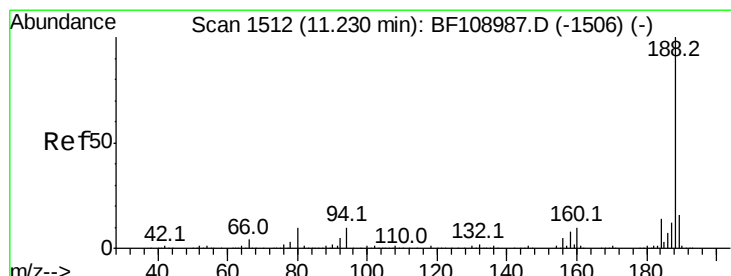
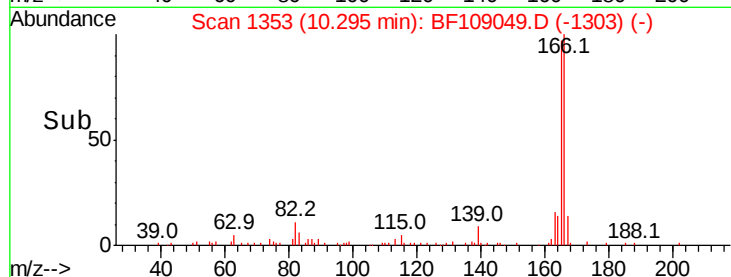
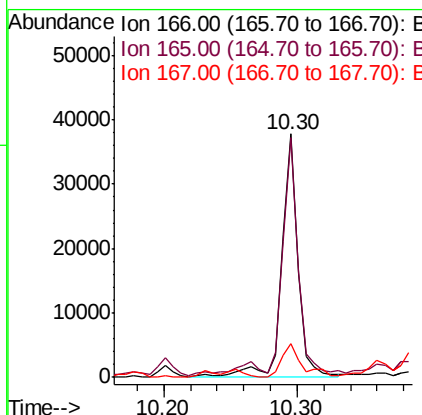
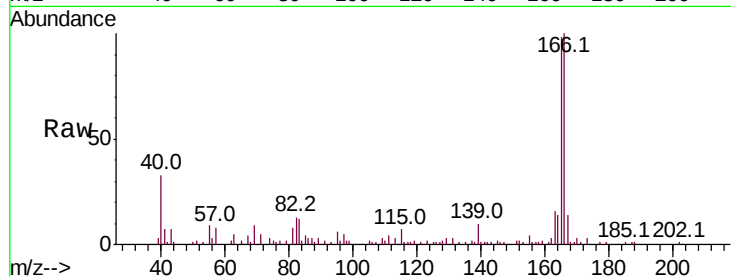
#57
Fluorene
 Concen: 2.930 ng
 RT: 10.30 min Scan# 1353
 Delta R.T. -0.01 min
 Lab File: BF109049.D
 Acq: 17 Sep 2018 15:39

Instrument :
 BNA_F
 ClientSampleId :
 OR-03-091418-B

Tot Ion	Ratio	Lower	Upper
166	100		
165	98.3	79.8	119.8
167	14.0	10.6	16.0

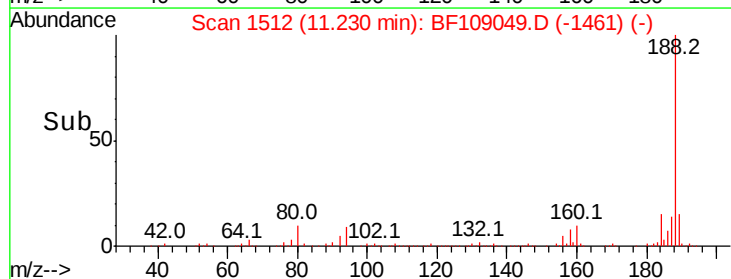
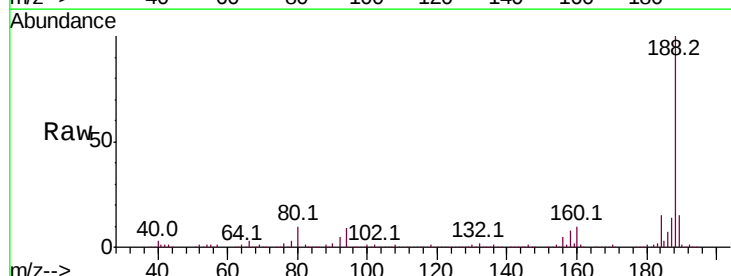
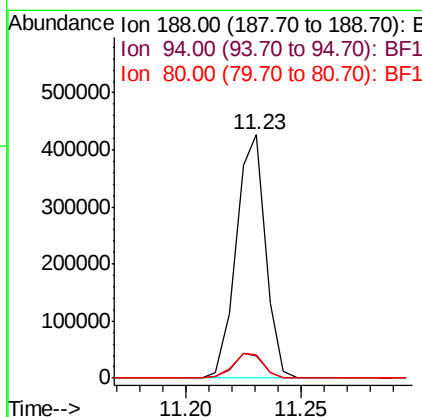
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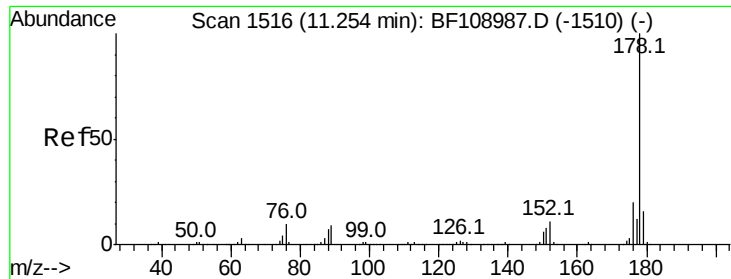
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#63
Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.23 min Scan# 1512
 Delta R.T. 0.00 min
 Lab File: BF109049.D
 Acq: 17 Sep 2018 15:39

Tgt Ion	Ratio	Lower	Upper
188	100		
94	8.9	8.5	12.7
80	9.8	9.2	13.8





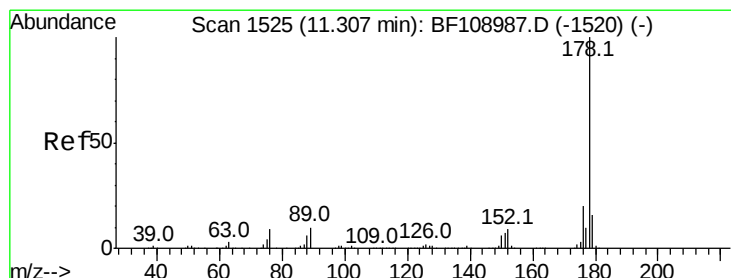
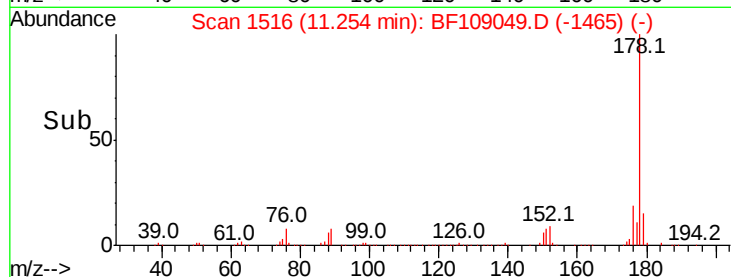
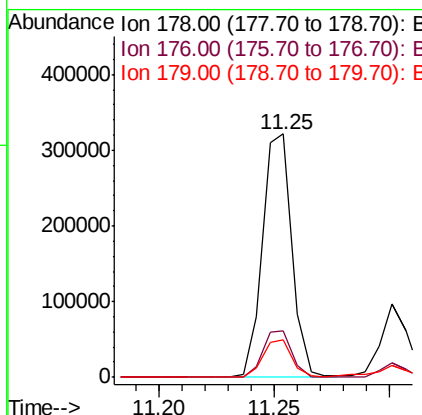
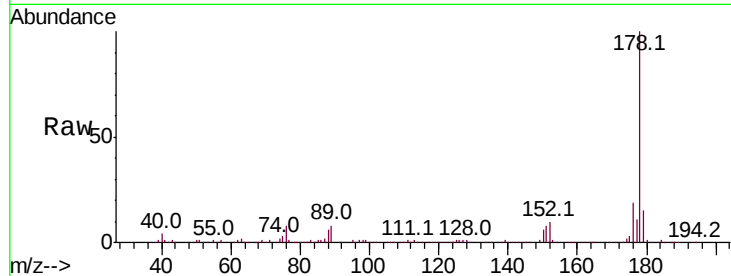
#70
Phenanthrene
Concen: 15.462 ng
RT: 11.25 min Scan# 1516
Delta R.T. 0.00 min
Lab File: BF109049.D
Acq: 17 Sep 2018 15:39

Instrument :
BNA_F
ClientSampleId :
OR-03-091418-B

Tot Ion	Ratio	Resp	Lower	Upper
178	100	285910		
176	19.3		15.8	23.8
179	15.2		13.0	19.6

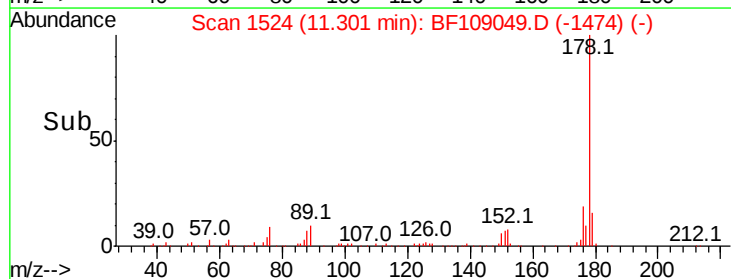
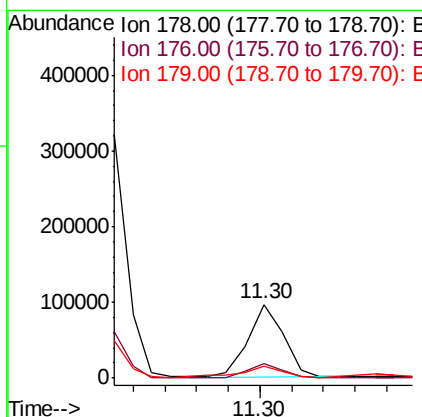
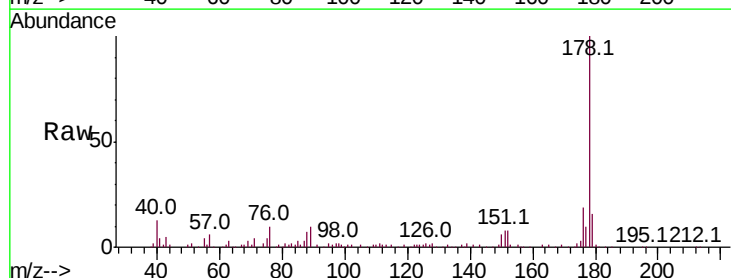
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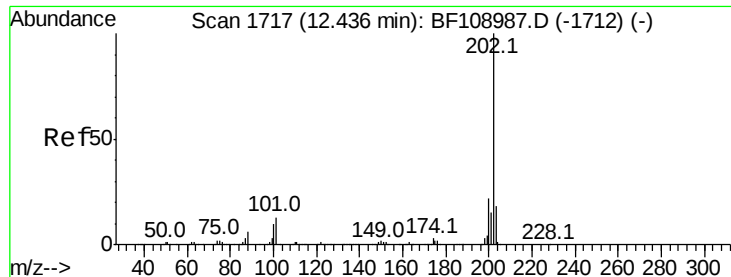
Sohil
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#71
Anthracene
Concen: 4.036 ng
RT: 11.30 min Scan# 1524
Delta R.T. -0.01 min
Lab File: BF109049.D
Acq: 17 Sep 2018 15:39

Tgt Ion	Ratio	Resp	Lower	Upper
178	100	75658		
176	18.8		15.4	23.2
179	16.1		12.6	19.0





#74

Fluoranthene

Concen: 16.333 ng

RT: 12.44 min Scan# 1717

Delta R.T. 0.00 min

Lab File: BF109049.D

Acq: 17 Sep 2018 15:39

Instrument :

BNA_F

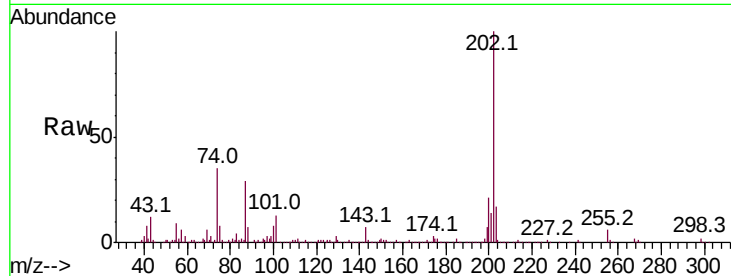
ClientSampleId :

OR-03-091418-B

Tot Ion	Ion	Ratio	Resp	Lower	Upper
202	100				
101	12.9	0.0	34.1		
203	17.0	0.0	38.1		

Manual Integrations
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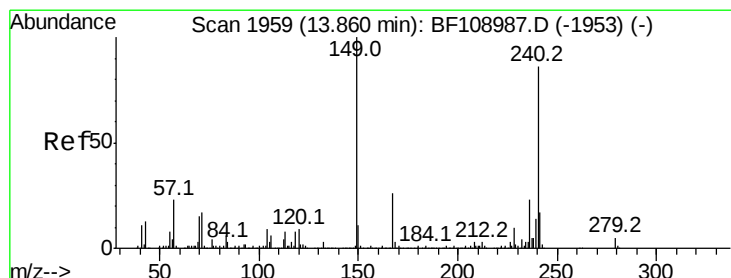
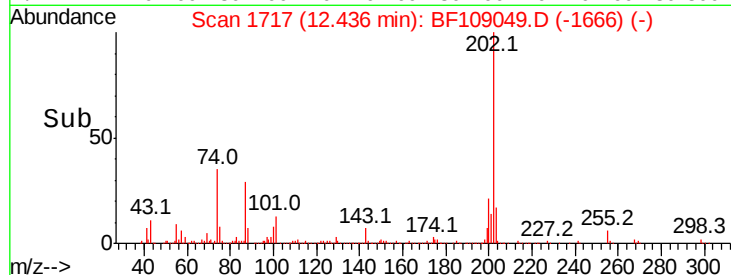
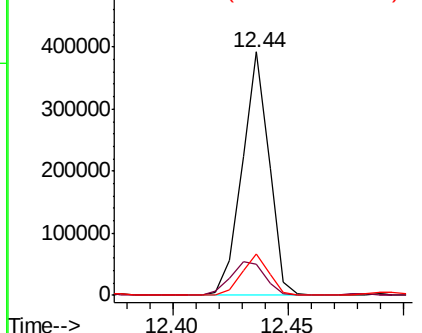


Abundance

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: 13.85 min Scan# 1958

Delta R.T. -0.01 min

Lab File: BF109049.D

Acq: 17 Sep 2018 15:39

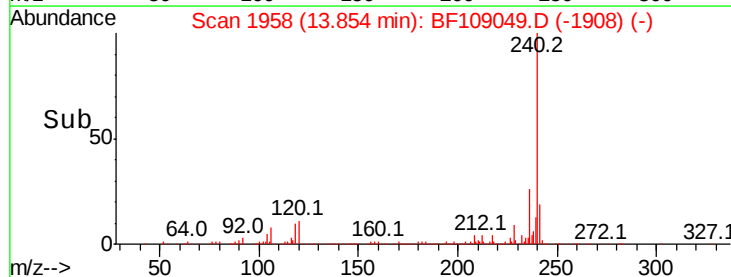
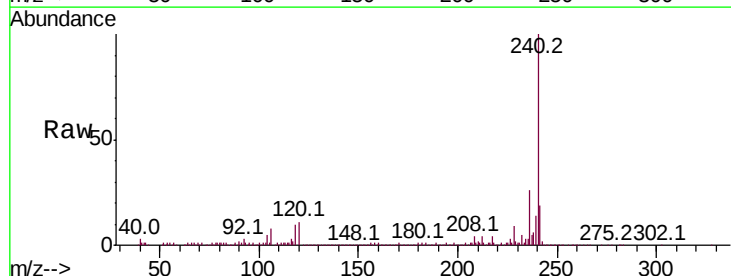
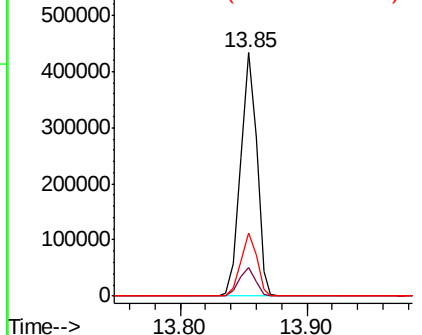
Tgt Ion	Ion	Ratio	Resp	Lower	Upper
240	100				
120	11.5	9.5	14.3		
236	25.9	20.7	31.1		

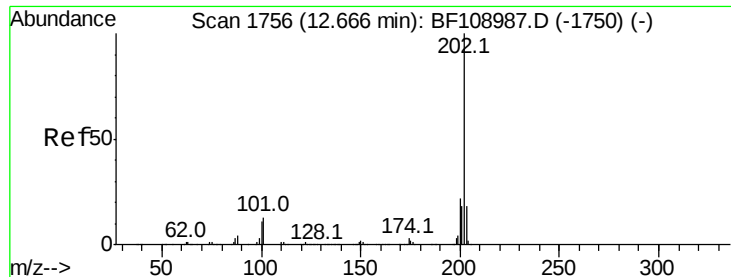
Abundance

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





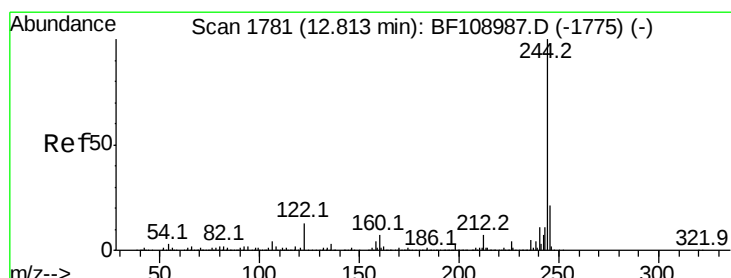
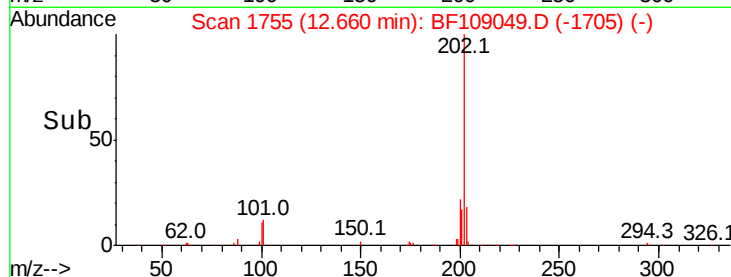
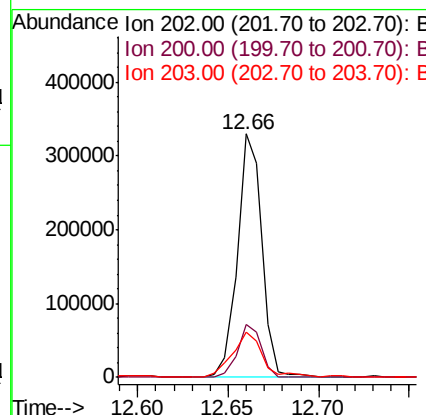
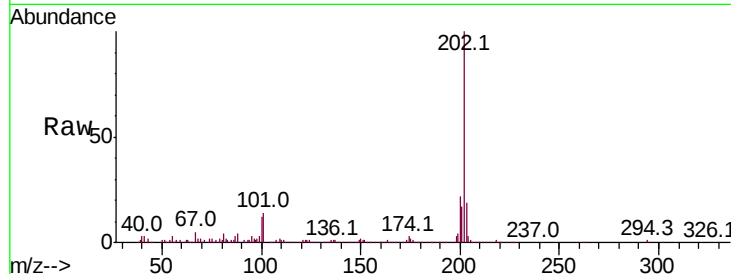
#77
Pvrene
Concen: 10.784 ng
RT: 12.66 min Scan# 1755
Delta R.T. -0.01 min
Lab File: BF109049.D
Acq: 17 Sep 2018 15:39

Instrument :
BNA_F
ClientSampleId :
OR-03-091418-B

Tot Ion	Ratio	Resp Lower	Upper
202	100		
200	21.7	17.4	26.2
203	18.8	14.3	21.5

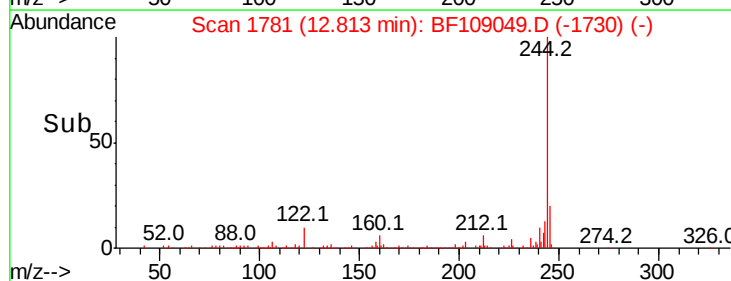
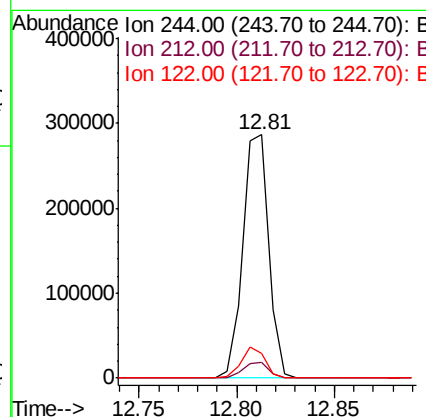
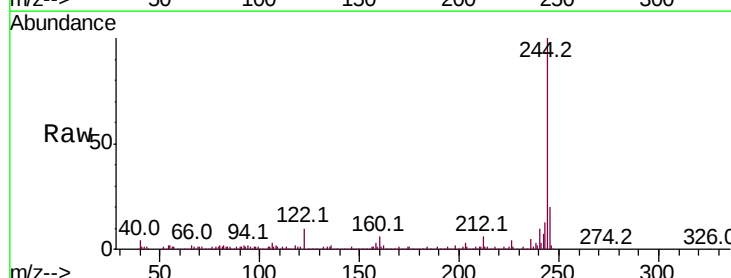
Manual Integrations
APPROVED

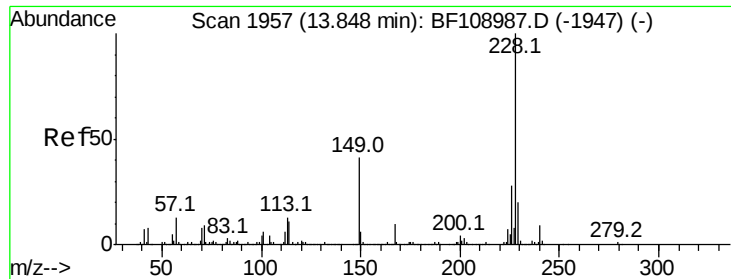
Sohil
9/18/2018 6:00:09 PM



#78
Terphenyl-d14
Concen: 16.364 ng
RT: 12.81 min Scan# 1781
Delta R.T. 0.00 min
Lab File: BF109049.D
Acq: 17 Sep 2018 15:39

Tgt Ion	Ratio	Resp Lower	Upper
244	100		
212	6.4	5.4	8.0
122	10.2	11.0	16.4#





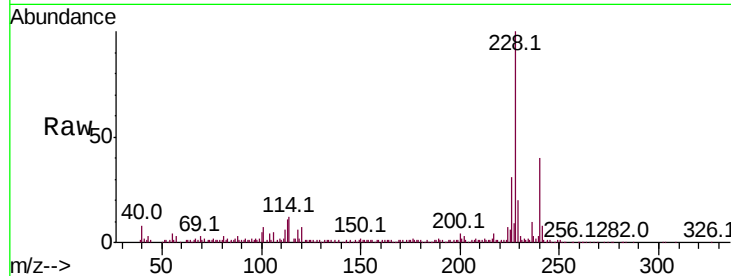
#80
Benzo(a)anthracene
Concen: 6.351 ng
RT: 13.84 min Scan# 1956
Delta R.T. -0.01 min
Lab File: BF109049.D
Acq: 17 Sep 2018 15:39

Instrument :
BNA_F
ClientSampleId :
OR-03-091418-B

Tot Ion	Ratio	Lower	Upper
228	100		
226	30.8	22.6	33.8
229	20.4	15.8	23.6

Manual Integrations
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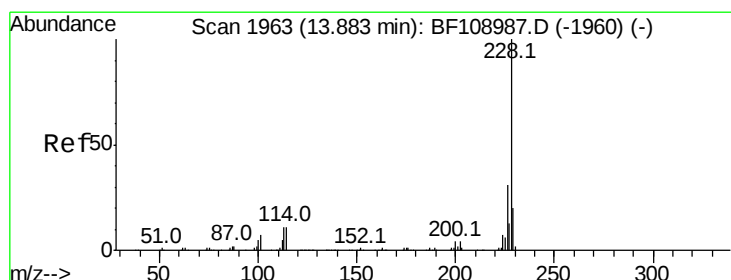
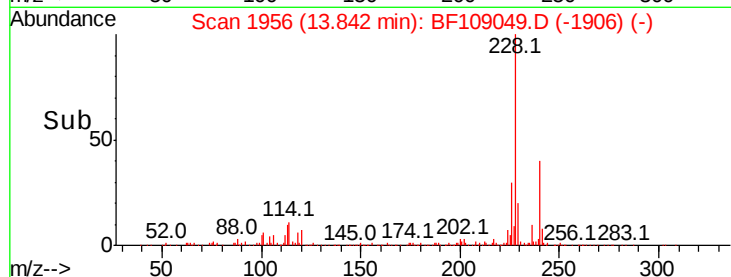
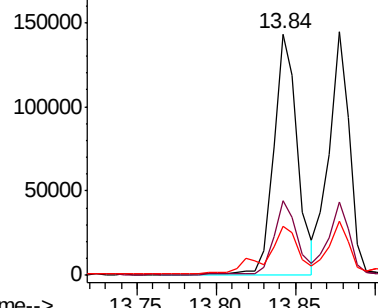


Abundance

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: 5.591 ng
RT: 13.88 min Scan# 1962
Delta R.T. -0.01 min
Lab File: BF109049.D
Acq: 17 Sep 2018 15:39

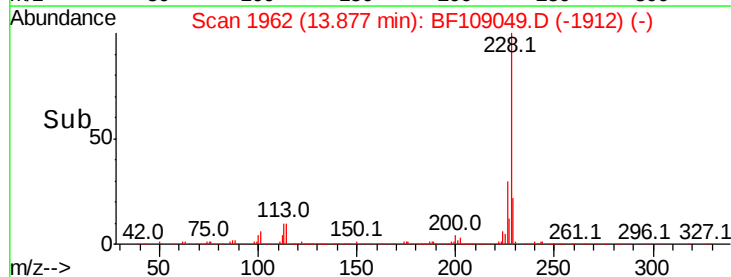
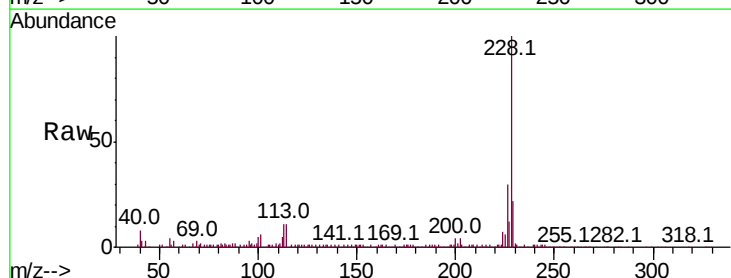
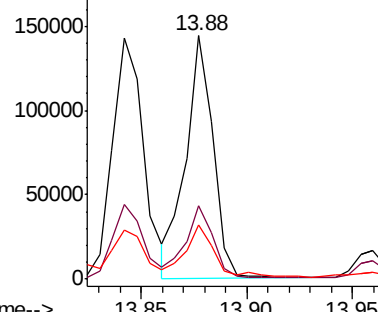
Tgt Ion	Ratio	Lower	Upper
228	100		
226	30.2	25.0	37.6
229	22.2	16.2	24.4

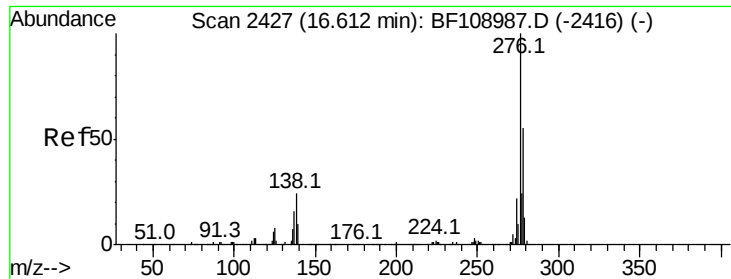
Abundance

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





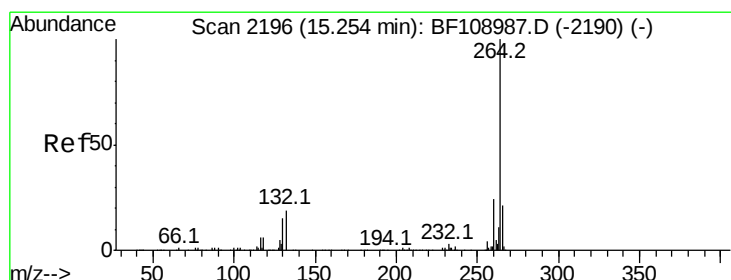
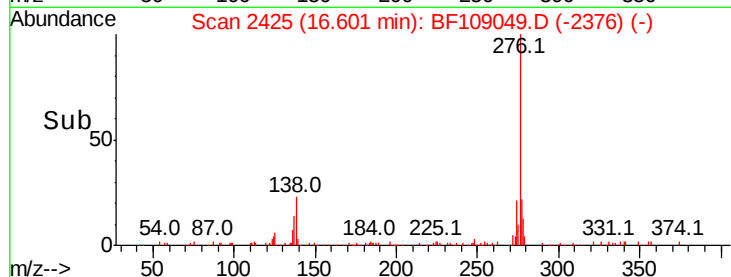
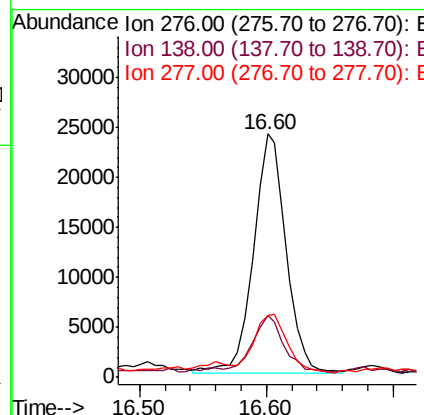
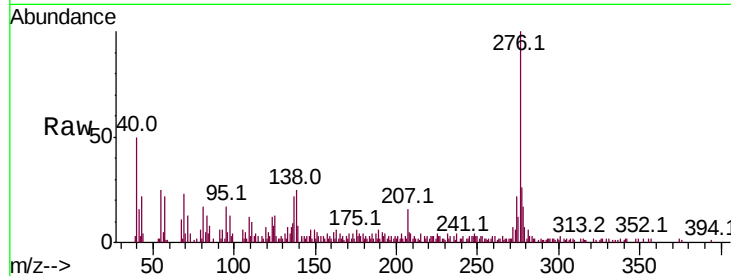
#85
Indeno(1,2,3-cd)pyrene
Concen: 2.295 ng
RT: 16.60 min Scan# 2425
Delta R.T. -0.01 min
Lab File: BF109049.D
Acq: 17 Sep 2018 15:39

Instrument :
BNA_F
ClientSampleId :
OR-03-091418-B

Tot Ion	Ratio	Lower	Upper
276	100		
138	23.9	25.0	37.6#
277	26.3	20.1	30.1

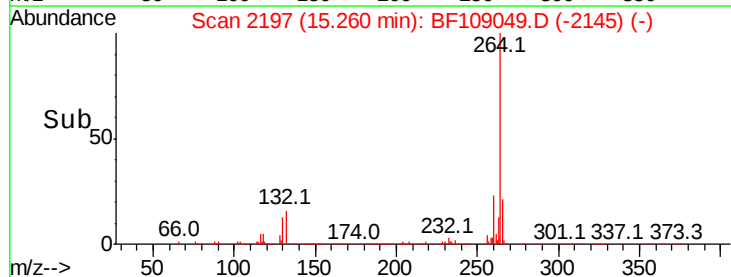
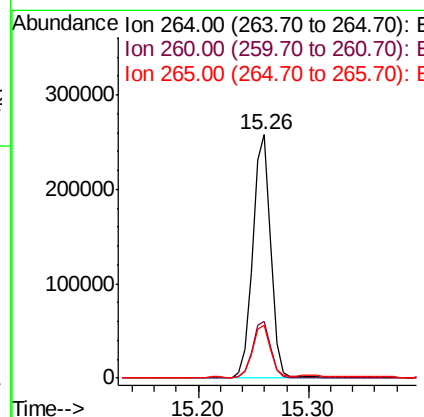
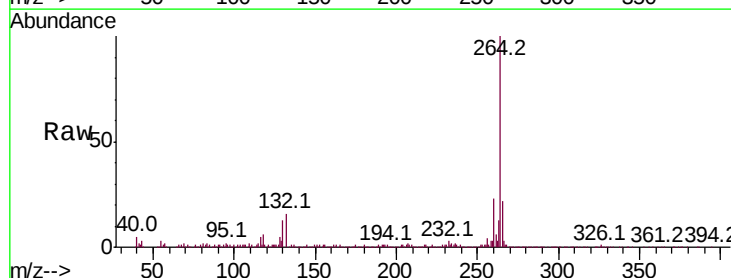
Manual Integrations
APPROVED

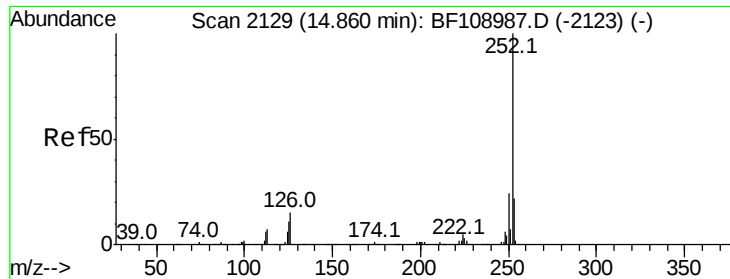
Sohil
9/18/2018 6:00:09 PM



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.26 min Scan# 2197
Delta R.T. 0.01 min
Lab File: BF109049.D
Acq: 17 Sep 2018 15:39

Tgt Ion	Ratio	Lower	Upper
264	100		
260	23.2	19.2	28.8
265	21.8	17.5	26.3





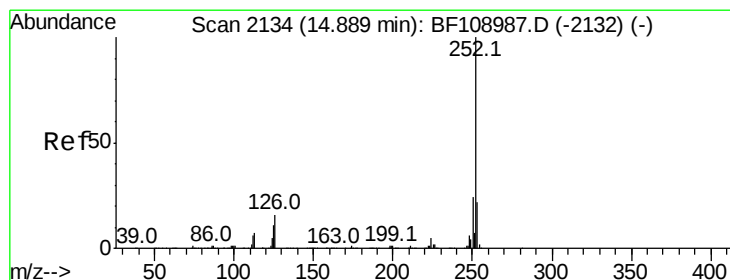
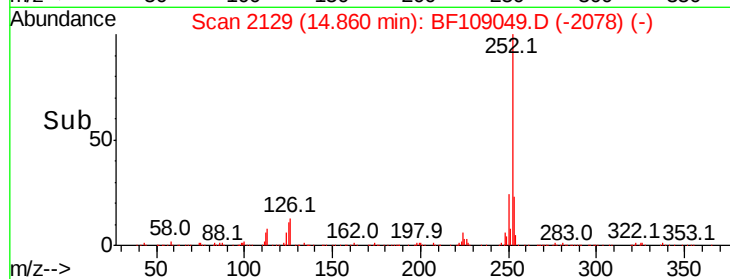
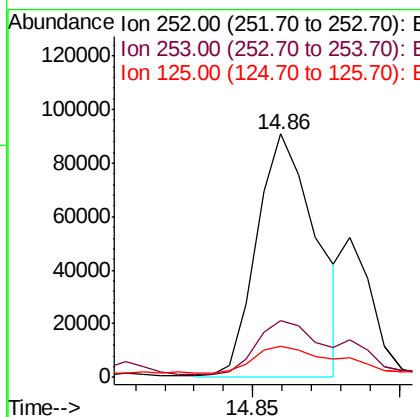
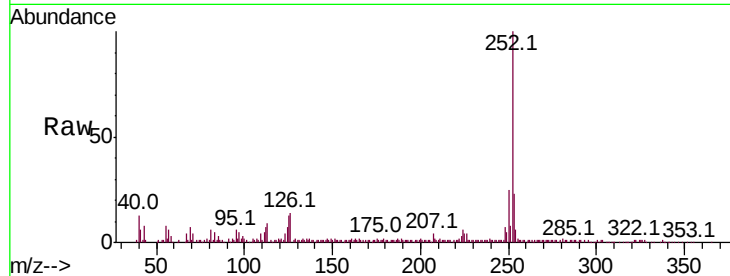
#87
Benzo(b)fluoranthene
Concen: 7.938 ng m
RT: 14.86 min Scan# 2129
Delta R.T. 0.00 min
Lab File: BF109049.D
Acq: 17 Sep 2018 15:39

Instrument :
BNA_F
ClientSampleId :
OR-03-091418-B

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.5	17.0	25.6
125	12.9	9.0	13.6

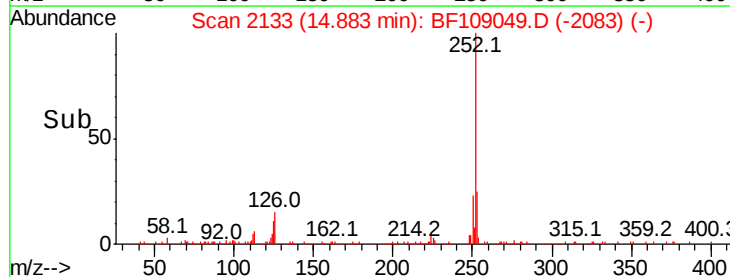
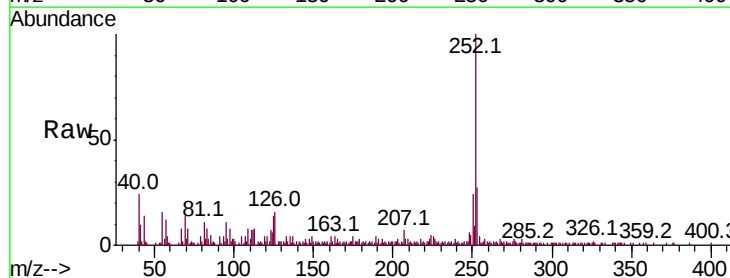
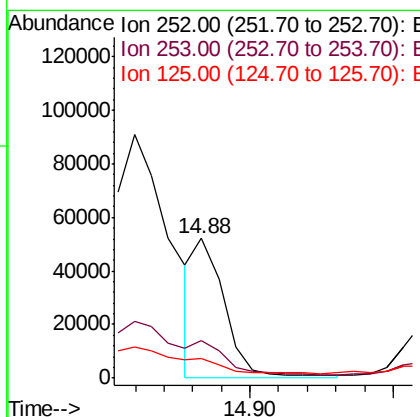
Manual Integrations
APPROVED

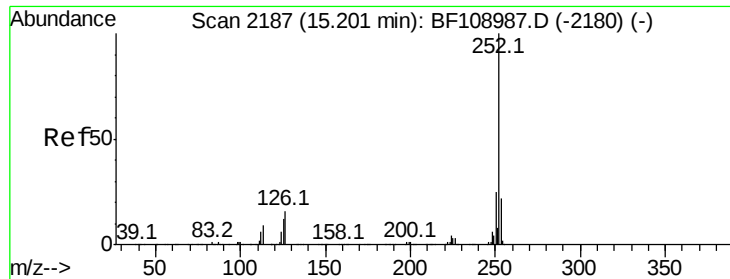
Sohil
9/18/2018 6:00:09 PM



#88
Benzo(k)fluoranthene
Concen: 2.557 ng m
RT: 14.88 min Scan# 2133
Delta R.T. -0.01 min
Lab File: BF109049.D
Acq: 17 Sep 2018 15:39

Tgt Ion	Ratio	Lower	Upper
252	100		
253	26.8	17.9	26.9
125	13.8	10.2	15.2





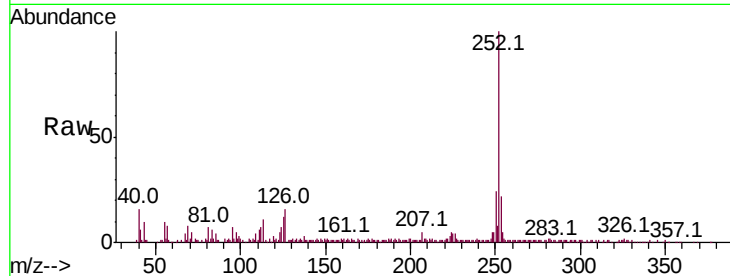
#89
Benzo(a)pyrene
Concen: 5.937 ng
RT: 15.19 min Scan# 2186
Delta R.T. -0.01 min
Lab File: BF109049.D
Acq: 17 Sep 2018 15:39

Instrument :
BNA_F
ClientSampleId :
OR-03-091418-B

Tot Ion	Ratio	Lower	Upper
252	100		
253	22.2	17.1	25.7
125	12.1	9.8	14.6

Manual Integrations
APPROVED

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9/18/2018 6:00:09 PM

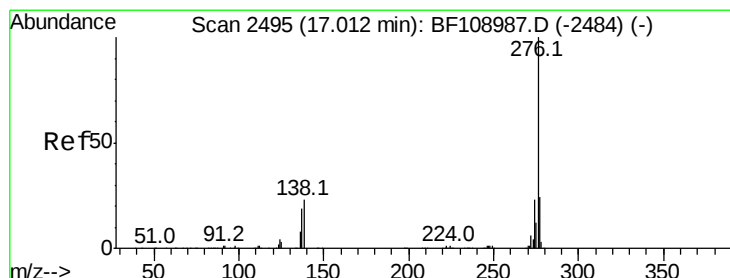
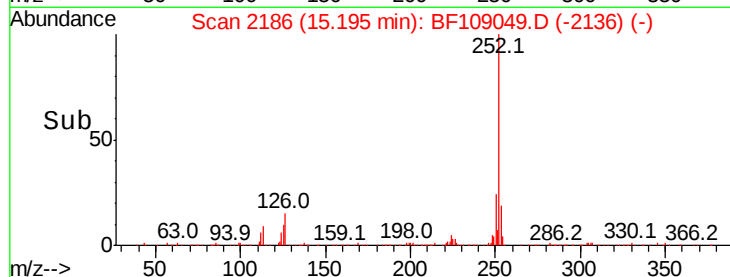
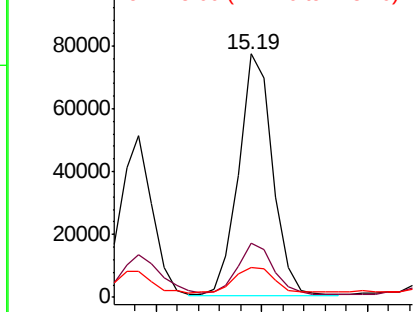


Abundance

Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



#91
Benzo(g,h,i)perylene
Concen: 3.189 ng
RT: 17.01 min Scan# 2494
Delta R.T. -0.01 min
Lab File: BF109049.D
Acq: 17 Sep 2018 15:39

Tgt Ion	Ratio	Lower	Upper
276	100		
277	25.5	17.9	26.9
138	24.8	21.8	32.8

Abundance

Ion 276.00 (275.70 to 276.70): E

Ion 277.00 (276.70 to 277.70): E

Ion 138.00 (137.70 to 138.70): E

