

Data Path : Z:\HPCHEM1\BNA F\DATA\BF101917\
 Data File : BF099666.D
 Acq On : 19 Oct 2017 19:31
 Operator : SJ/JU
 Sample : I5896-01
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 B-19(0-10)COMP

Manual Integrations
 APPROVED

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 10/23/2017 3:15:54 PM

Quant Time: Oct 20 13:25:14 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF092317.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Oct 20 13:11:43 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.82	152	94146	20.00	ng	0.00
21) Naphthalene-d8	8.10	136	371832	20.00	ng	0.00
38) Acenaphthene-d10	9.85	164	154144	20.00	ng	0.00
63) Phenanthrene-d10	11.34	188	219487	20.00	ng	0.00
75) Chrysene-d12	13.99	240	157581	20.00	ng	0.00
86) Perylene-d12	15.44	264	174194	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.45	112	493097	83.38	ng	0.01
7) Phenol-d6	6.46	99	577000	79.09	ng	0.00
23) Nitrobenzene-d5	7.39	82	346689	59.79	ng	0.00
41) 2,4,6-Tribromophenol	10.64	330	93067	73.79	ng	0.00
44) 2-Fluorobiphenyl	9.17	172	613262	66.42	ng	0.00
78) Terphenyl-d14	12.92	244	330293	47.67	ng	0.00
Target Compounds						
10) Phenol	6.47	94	27298	3.346	ng	98
70) Phenanthrene	11.36	178	90513	7.704	ng	96
74) Fluoranthene	12.56	202	158217	13.299	ng	97
77) Pyrene	12.79	202	152053	12.654	ng	98
80) Benzo(a)anthracene	13.97	228	88220	9.246	ng	99
82) Chrysene	14.01	228	79212	8.720	ng	97
85) Indeno(1,2,3-cd)pyrene	16.92	276	55676	7.662	ng	99
87) Benzo(b)fluoranthene	15.02	252	123790m	11.558	ng	
88) Benzo(k)fluoranthene	15.04	252	40355m	3.815	ng	
89) Benzo(a)pyrene	15.39	252	89578	9.112	ng	# 96
91) Benzo(g,h,i)perylene	17.36	276	56052	7.207	ng	96

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

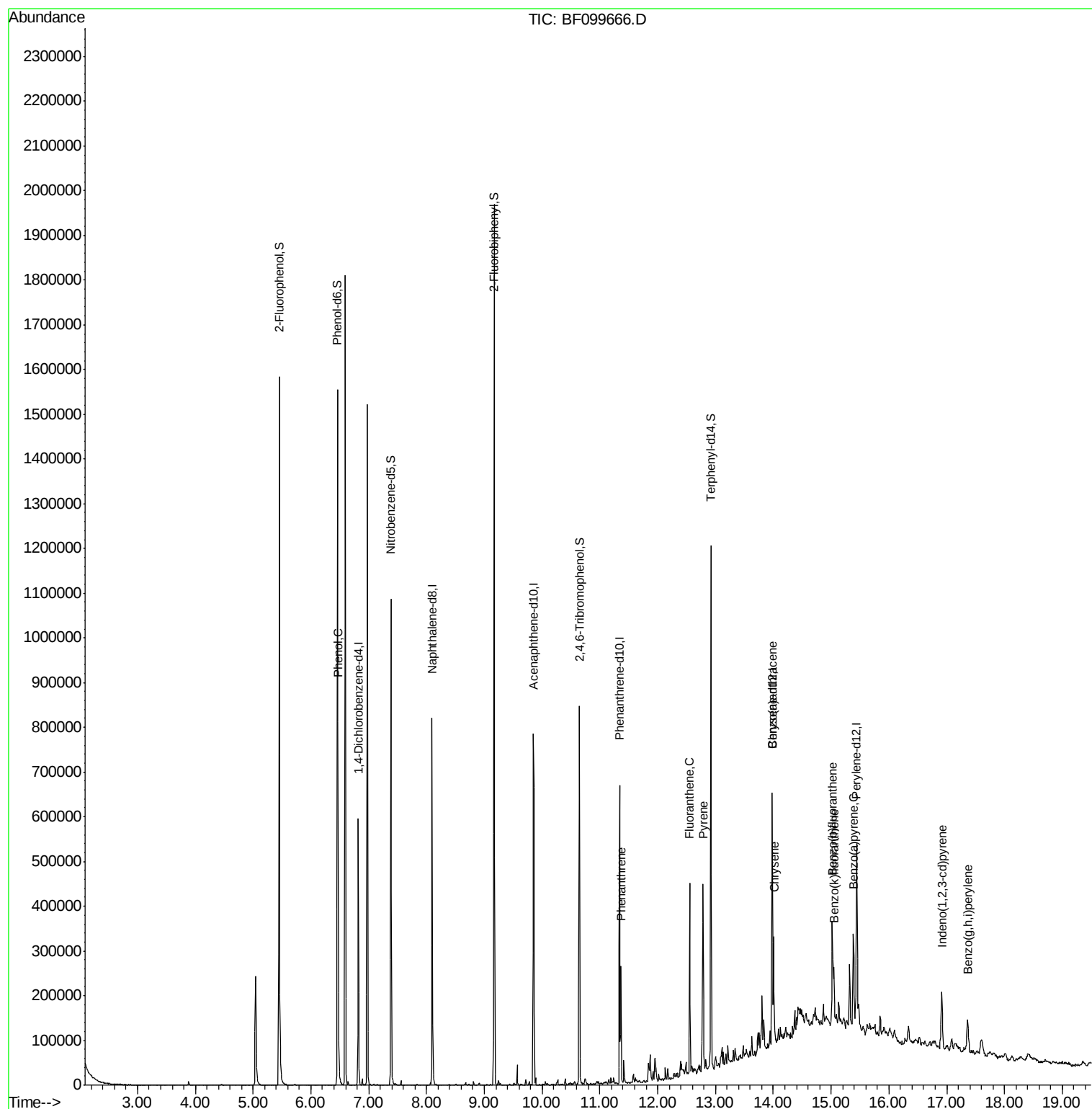
Data Path : Z:\HPCHEM1\BNA F\DATA\BF101917\
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Misc :
ALS Vial : 7 Sample Multiplier: 1

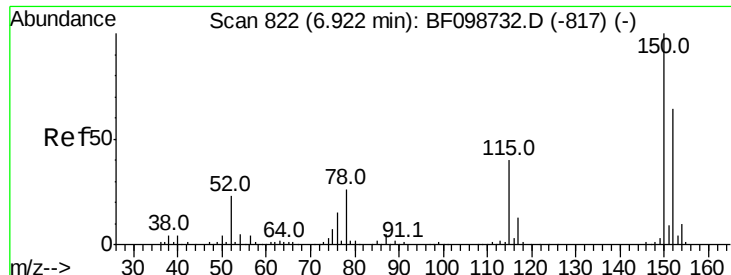
Instrument :
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B-19(0-10)COMP

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#1

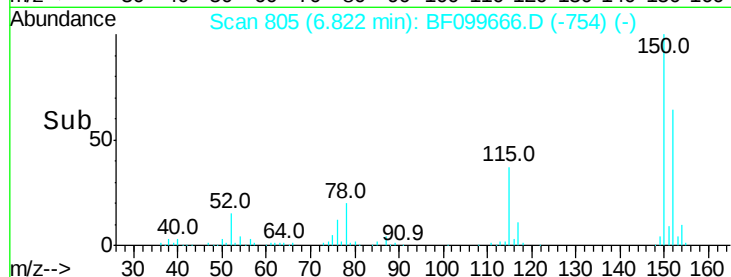
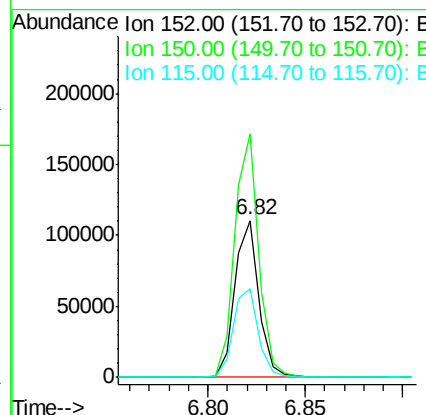
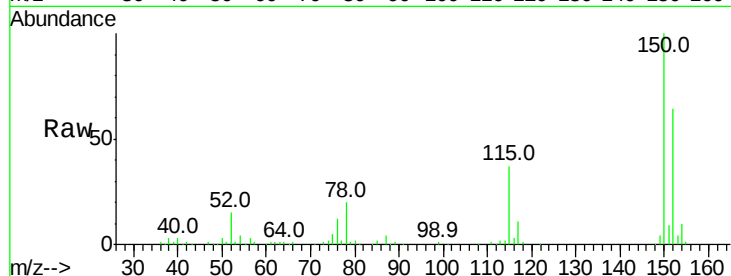
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.82 min Scan# 805
Delta R.T. -0.00 min
Lab File: BF099666.D
Acq: 19 Oct 2017 19:31

Instrument :
BNA_F
ClientSampleId :
B-19(0-10)COMP

Tot Ion	Ratio	Lower	Upper
152	100		
150	155.5	124.6	186.8
115	56.9	50.1	75.1

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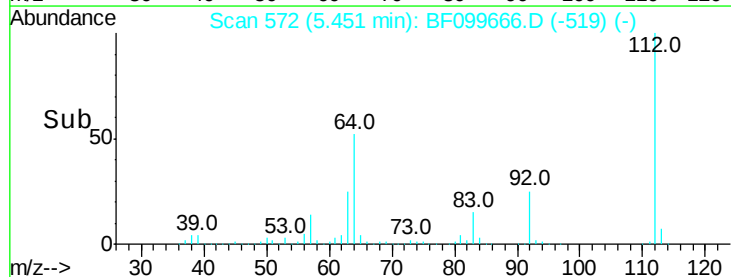
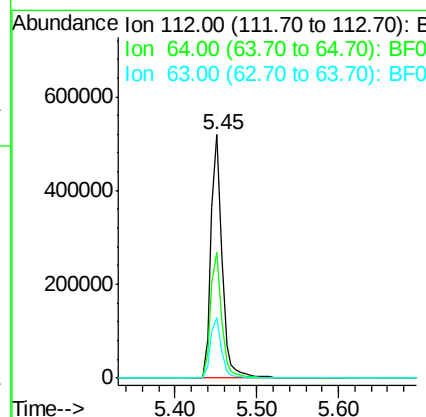
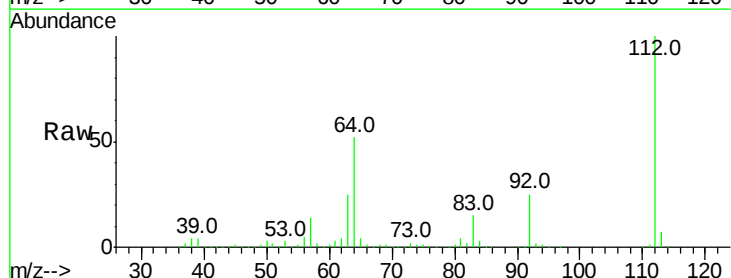
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#5

2-Fluorophenol
Concen: 83.377 ng
RT: 5.45 min Scan# 572
Delta R.T. 0.01 min
Lab File: BF099666.D
Acq: 19 Oct 2017 19:31

Tgt Ion	Ratio	Lower	Upper
112	100		
64	51.8	47.9	71.9
63	24.6	23.7	35.5





#7

Phenol-d6

Concen: 79.088 ng

RT: 6.46 min Scan# 744

Delta R.T. -0.00 min

Lab File: BF099666.D

Acq: 19 Oct 2017 19:31

Instrument :

BNA_F

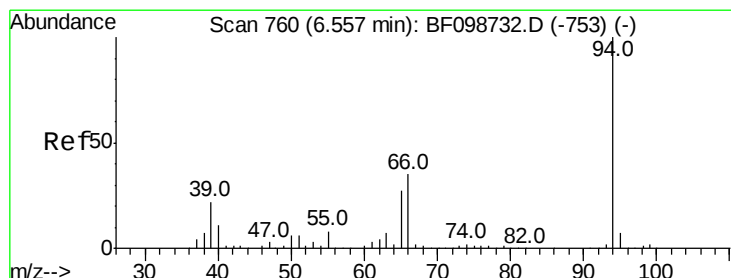
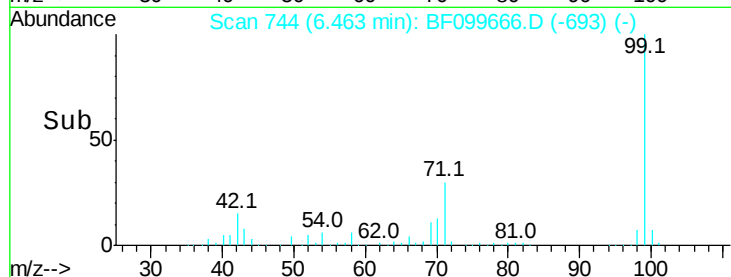
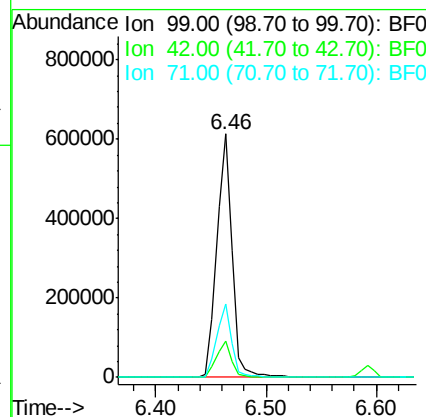
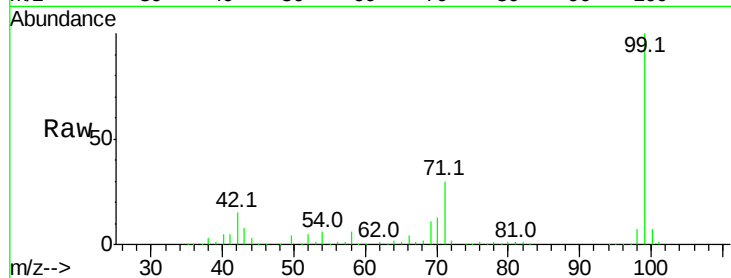
ClientSampleId :

B-19(0-10)COMP

Tot Ion:	99	Resp:	577000
Ion Ratio	Lower	Upper	
99	100		
42	15.0	14.5	21.7
71	30.3	25.4	38.0

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#10

Phenol

Concen: 3.346 ng

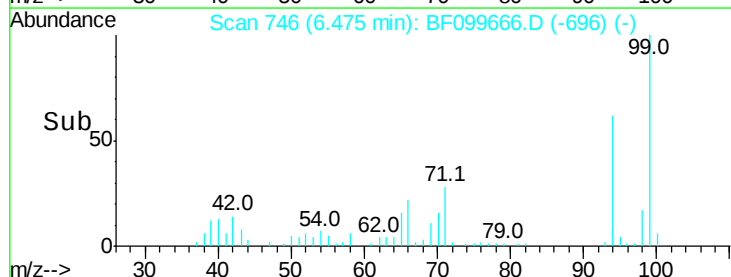
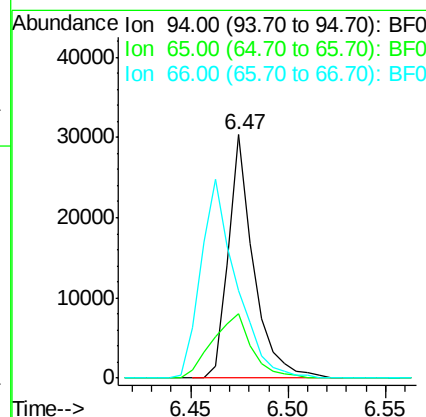
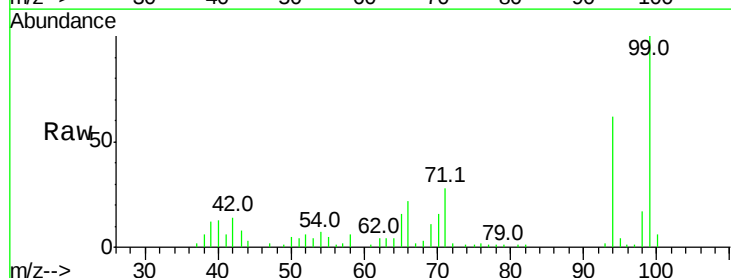
RT: 6.47 min Scan# 746

Delta R.T. -0.01 min

Lab File: BF099666.D

Acq: 19 Oct 2017 19:31

Tgt Ion:	94	Resp:	27298
Ion Ratio	Lower	Upper	
94	100		
65	26.4	7.9	47.9
66	35.8	16.2	56.2





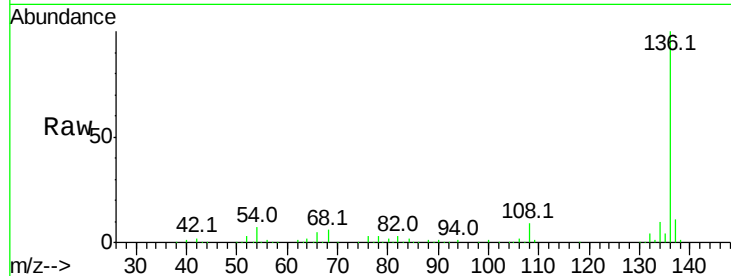
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.10 min Scan# 1022
Delta R.T. -0.01 min
Lab File: BF099666.D
Acq: 19 Oct 2017 19:31

Instrument :
BNA_F
ClientSampleId :
B-19(0-10)COMP

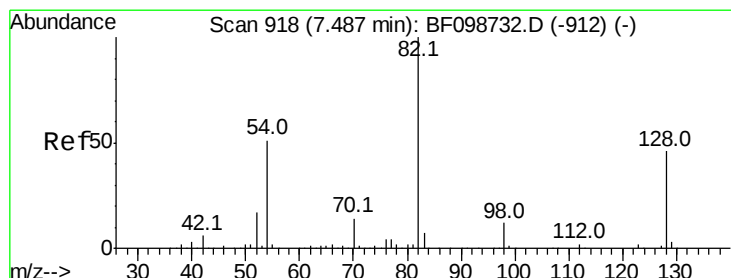
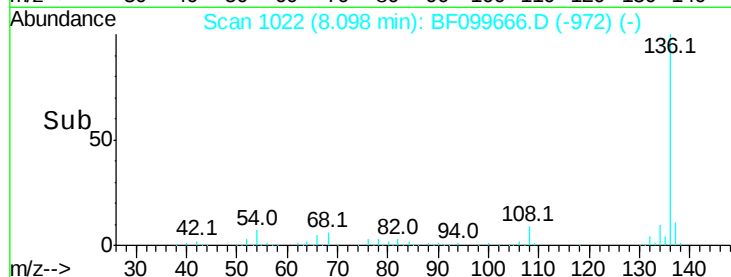
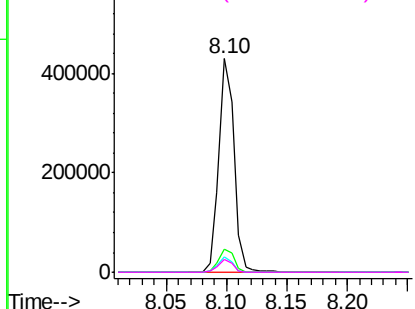
Tot Ion	Ratio	Resp	Lower	Upper
136	100			
137	11.0	8.9	13.3	
54	7.0	6.6	9.8	
68	6.1	5.0	7.4	

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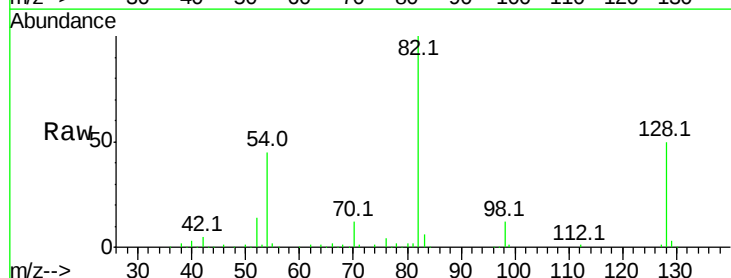


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF0
Ion 68.00 (67.70 to 68.70): BF0

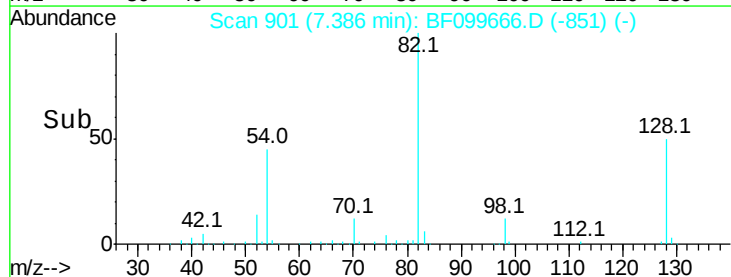
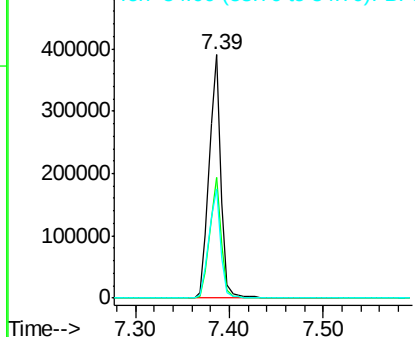


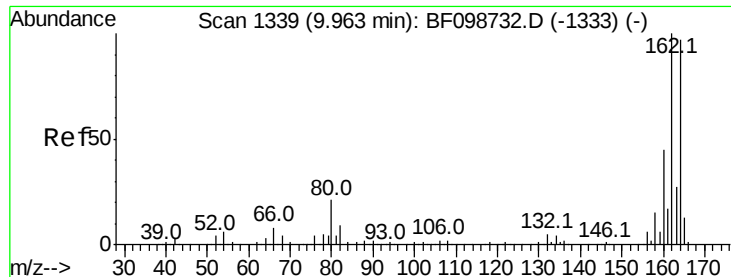
#23
Nitrobenzene-d5
Concen: 59.794 ng
RT: 7.39 min Scan# 901
Delta R.T. -0.01 min
Lab File: BF099666.D
Acq: 19 Oct 2017 19:31

Tgt Ion	Ratio	Resp	Lower	Upper
82	100			
128	49.5	36.1	54.1	
54	44.6	41.4	62.2	



Abundance Ion 82.00 (81.70 to 82.70): BF0
Ion 128.00 (127.70 to 128.70): E
Ion 54.00 (53.70 to 54.70): BF0





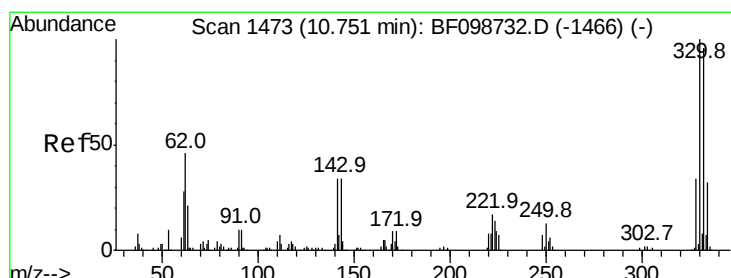
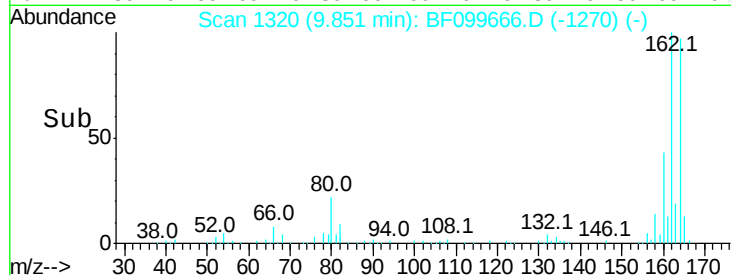
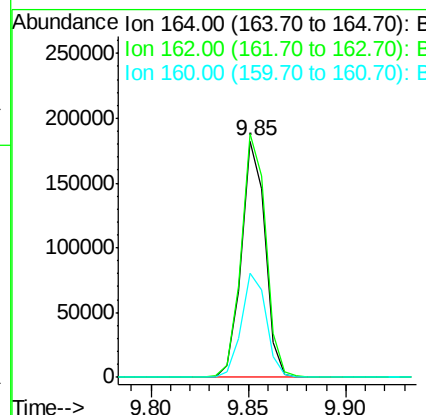
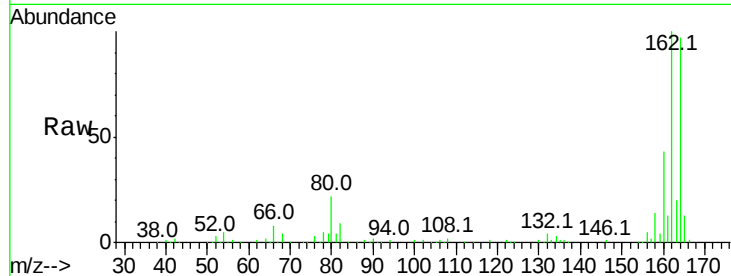
#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.85 min Scan# 1320
Delta R.T. -0.01 min
Lab File: BF099666.D
Acq: 19 Oct 2017 19:31

Instrument :
BNA_F
ClientSampleId :
B-19(0-10)COMP

Tot Ion	Ratio	Resp	Lower	Upper
164	100	154144		
162	103.1	86.1	129.1	
160	44.3	38.3	57.5	

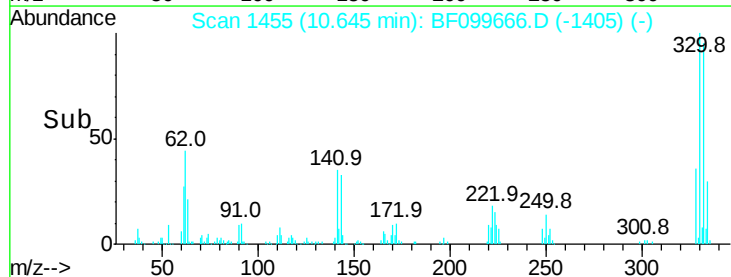
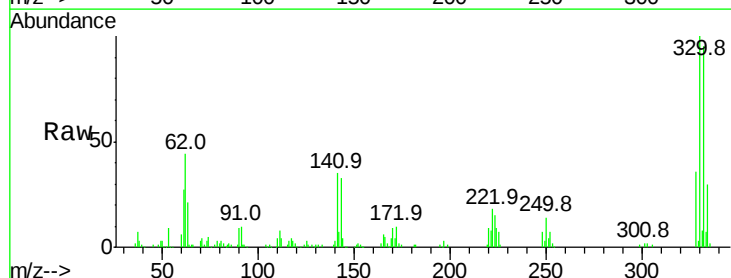
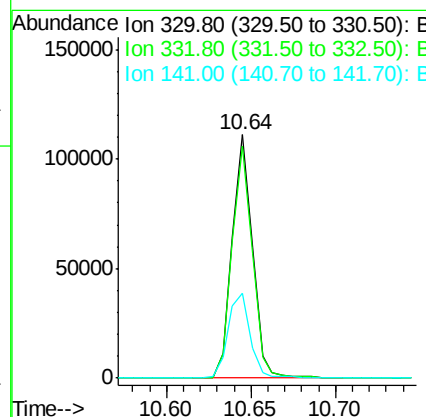
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#41
2,4,6-Tribromophenol
Concen: 73.786 ng
RT: 10.64 min Scan# 1455
Delta R.T. -0.01 min
Lab File: BF099666.D
Acq: 19 Oct 2017 19:31

Tgt Ion	Ratio	Resp	Lower	Upper
330	100	93067		
332	95.7	77.0	115.6	
141	38.3	29.9	44.9	





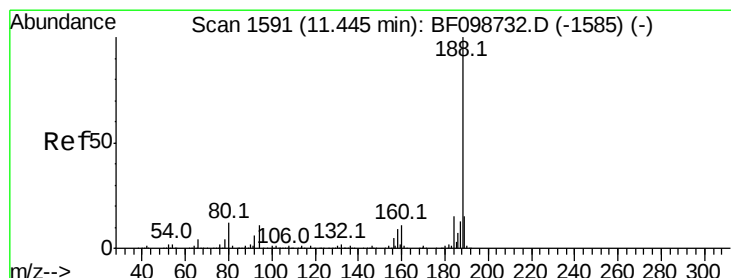
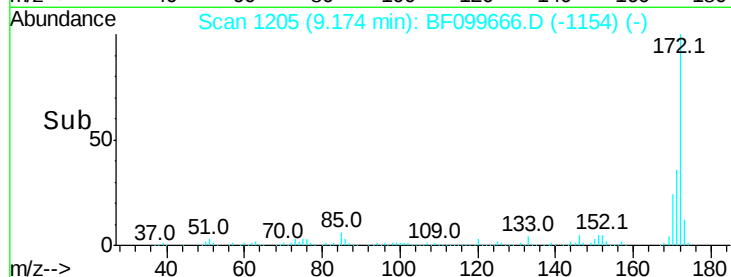
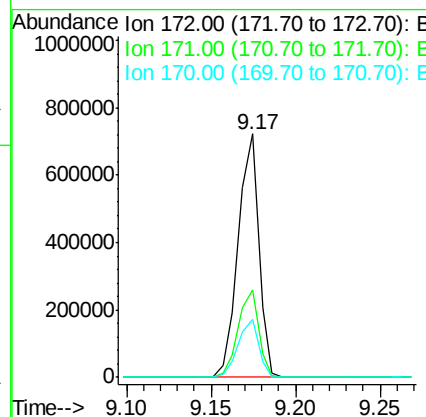
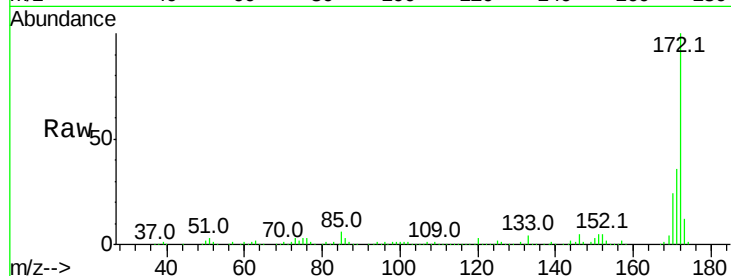
#44
 2-Fluorobiphenyl
 Concen: 66.418 ng
 RT: 9.17 min Scan# 1205
 Delta R.T. -0.00 min
 Lab File: BF099666.D
 Acq: 19 Oct 2017 19:31

Instrument :
 BNA_F
 ClientSampleId :
 B-19(0-10)COMP

Tot Ion:	172	Resp:	613262
Ion Ratio	Lower	Upper	
172	100		
171	35.9	29.7	44.5
170	23.7	19.6	29.4

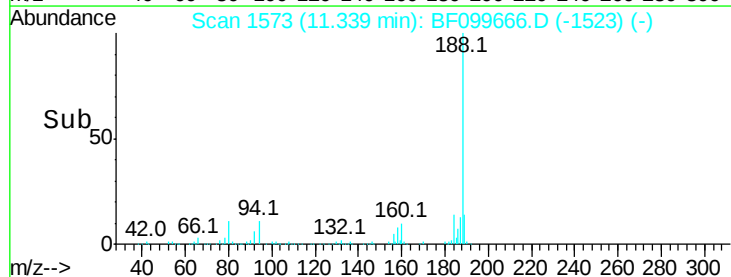
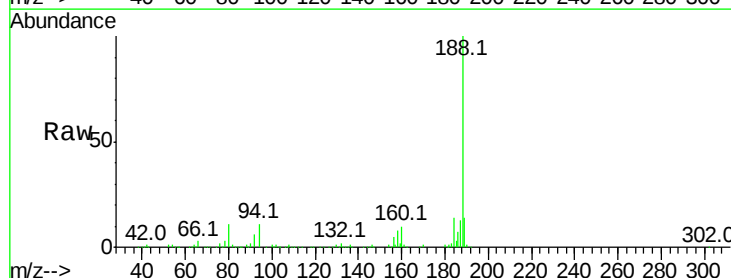
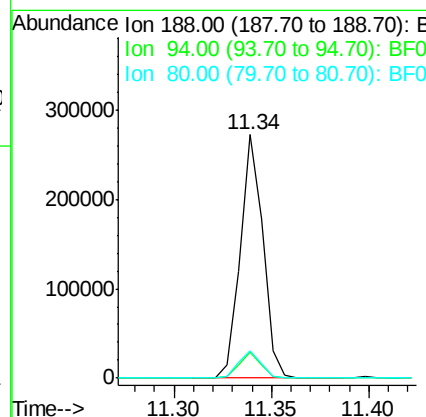
Manual Integrations
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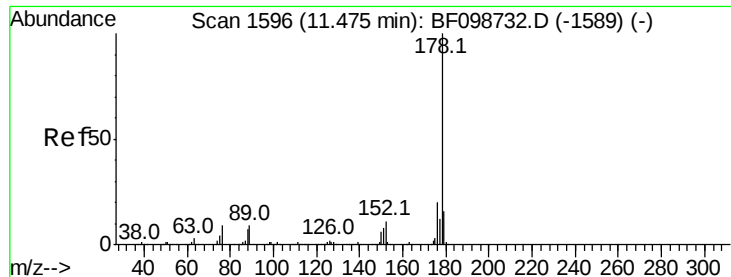
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#63
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.34 min Scan# 1573
 Delta R.T. -0.01 min
 Lab File: BF099666.D
 Acq: 19 Oct 2017 19:31

Tgt Ion:	188	Resp:	219487
Ion Ratio	Lower	Upper	
188	100		
94	10.7	8.5	12.7
80	11.3	9.2	13.8





#70

Phenanthrene

Concen: 7.704 ng

RT: 11.36 min Scan# 1577

Delta R.T. -0.01 min

Lab File: BF099666.D

Acq: 19 Oct 2017 19:31

Instrument :

BNA_F

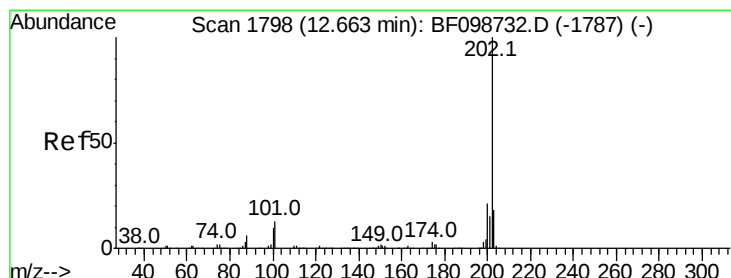
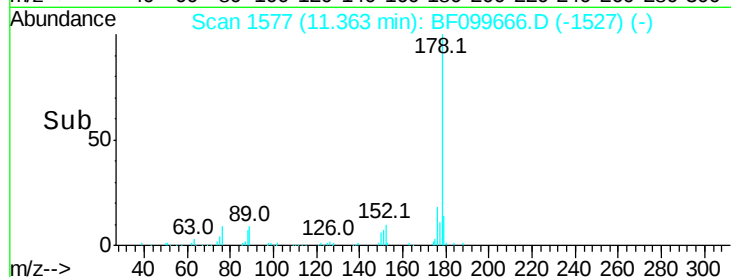
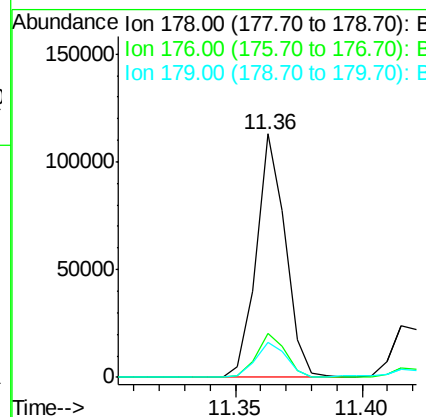
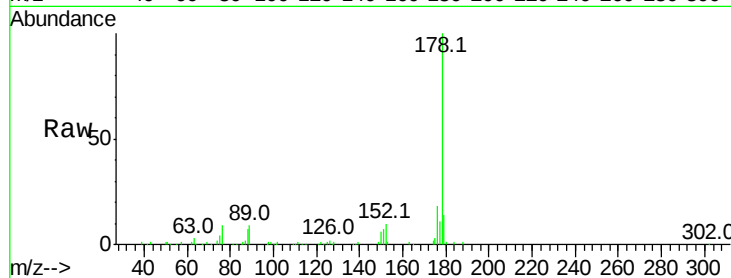
ClientSampleId :

B-19(0-10)COMP

Tot Ion:	178	Resp:	90513
Ion Ratio	Lower	Upper	
178	100		
176	18.0	15.8	23.8
179	14.2	13.0	19.6

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#74

Fluoranthene

Concen: 13.299 ng

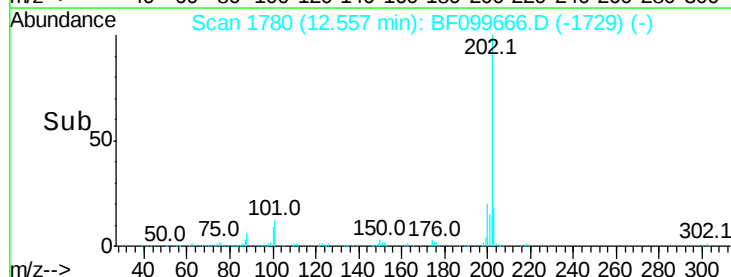
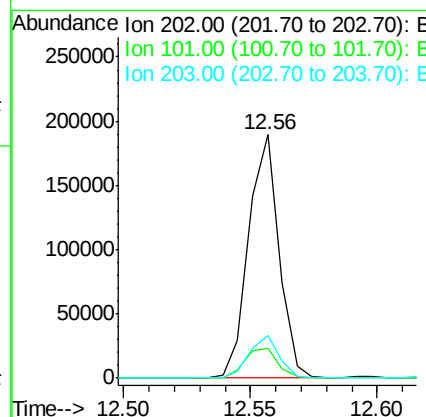
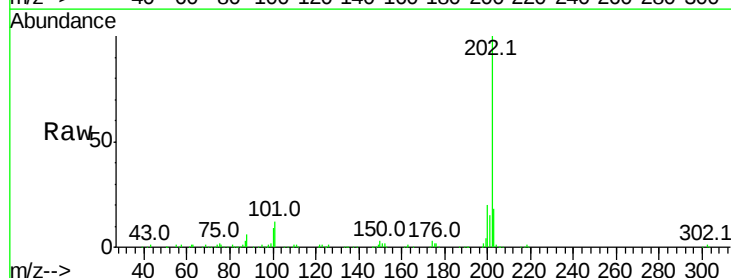
RT: 12.56 min Scan# 1780

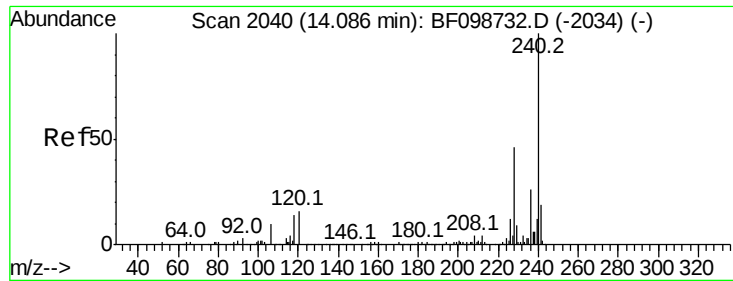
Delta R.T. -0.00 min

Lab File: BF099666.D

Acq: 19 Oct 2017 19:31

Tgt Ion:	202	Resp:	158217
Ion Ratio	Lower	Upper	
202	100		
101	12.2	0.0	34.1
203	17.5	0.0	38.1





#75

Chrysene-d12

Concen: 20.000 ng

RT: 13.99 min Scan# 2034

Delta R.T. -0.00 min

Lab File: BF099666.D

Acq: 19 Oct 2017 19:31

Instrument :

BNA_F

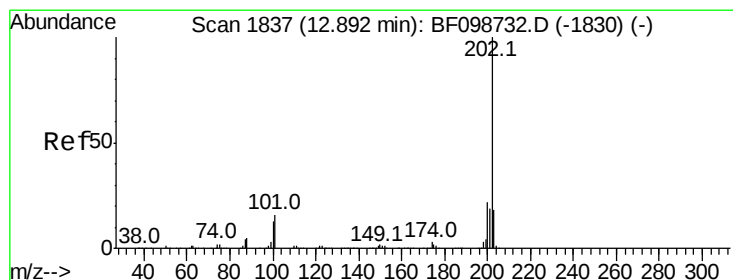
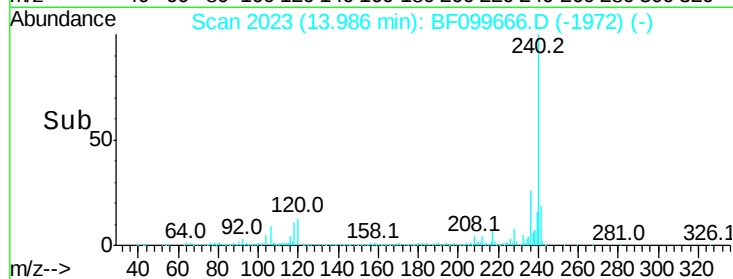
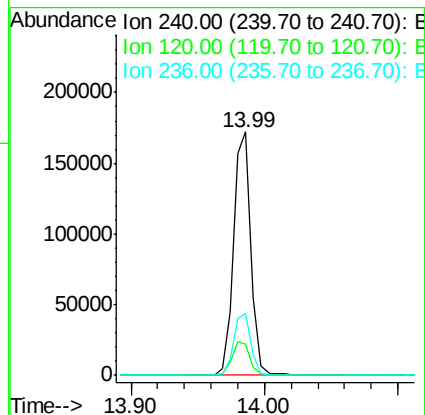
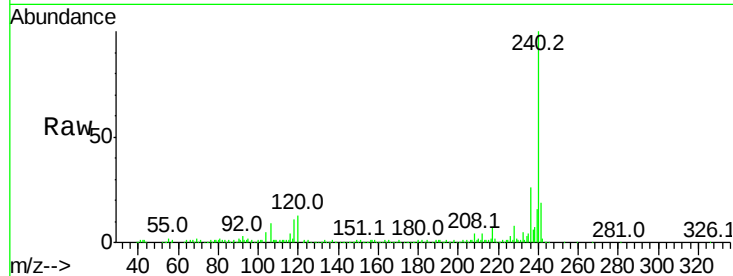
ClientSampleId :

B-19(0-10)COMP

Tot Ion:	240	Resp:	157581
Ion Ratio	Lower	Upper	
240	100		
120	12.7	9.5	14.3
236	25.6	20.7	31.1

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#77

Pyrene

Concen: 12.654 ng

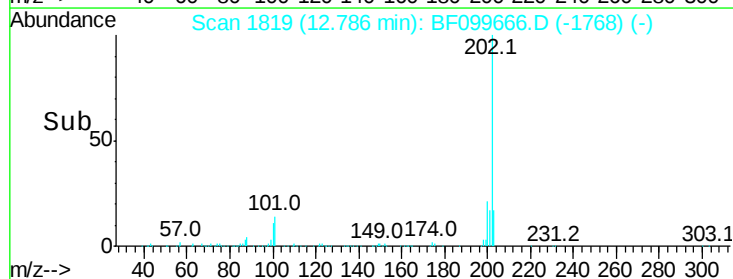
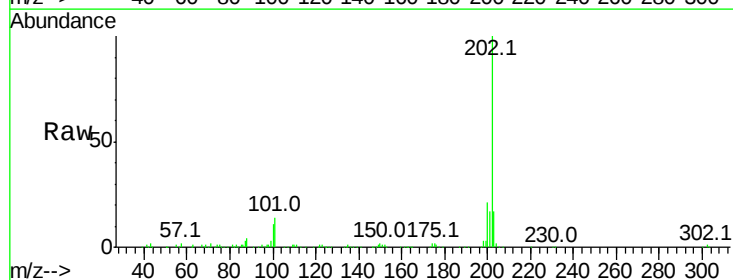
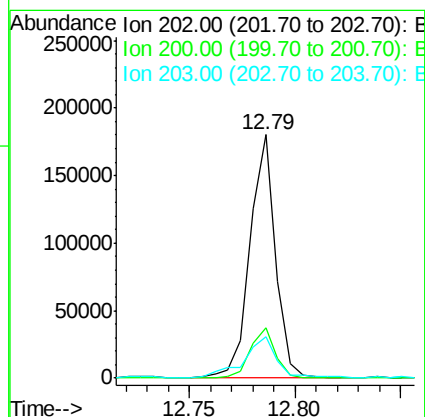
RT: 12.79 min Scan# 1819

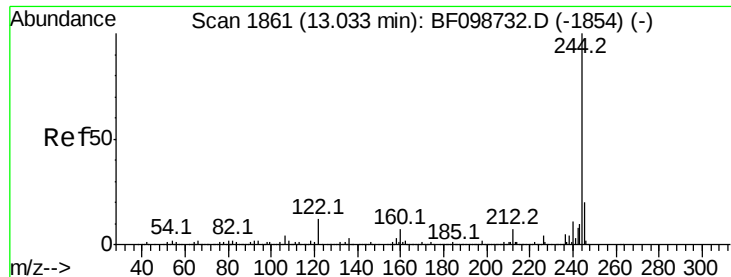
Delta R.T. -0.00 min

Lab File: BF099666.D

Acq: 19 Oct 2017 19:31

Tgt Ion:	202	Resp:	152053
Ion Ratio	Lower	Upper	
202	100		
200	20.5	17.4	26.2
203	17.1	14.3	21.5





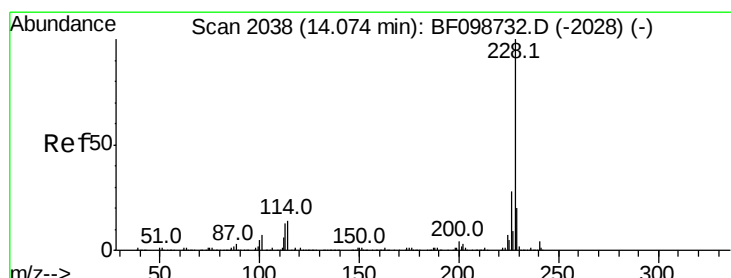
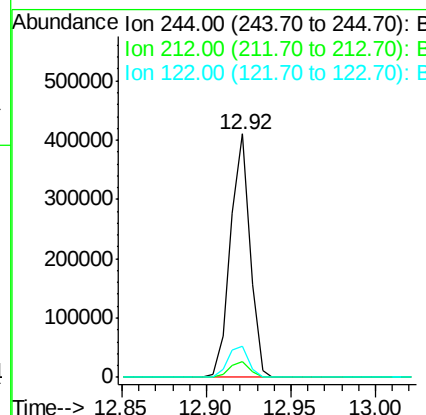
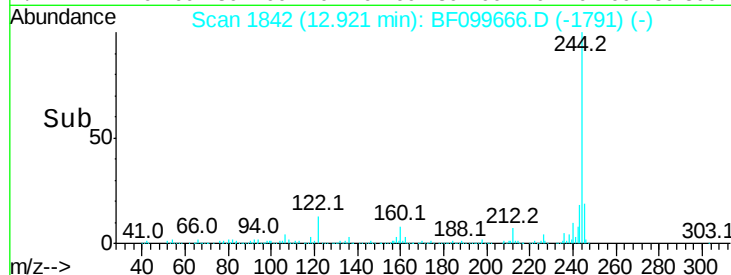
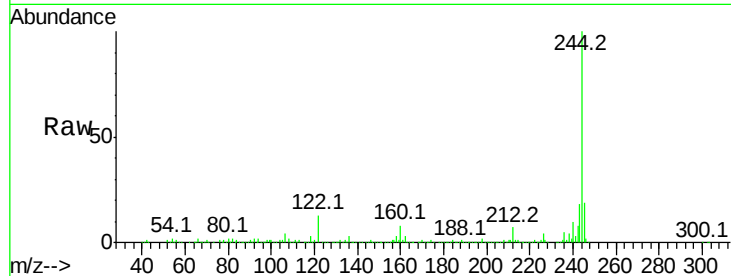
#78
 Terphenyl-d14
 Concen: 47.668 ng
 RT: 12.92 min Scan# 1842
 Delta R.T. -0.00 min
 Lab File: BF099666.D
 Acq: 19 Oct 2017 19:31

Instrument :
 BNA_F
 ClientSampleId :
 B-19(0-10)COMP

Tot Ion	Ratio	Lower	Upper
244	100		
212	6.5	5.4	8.0
122	12.9	11.0	16.4

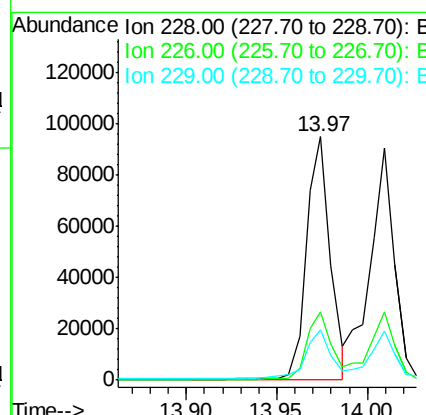
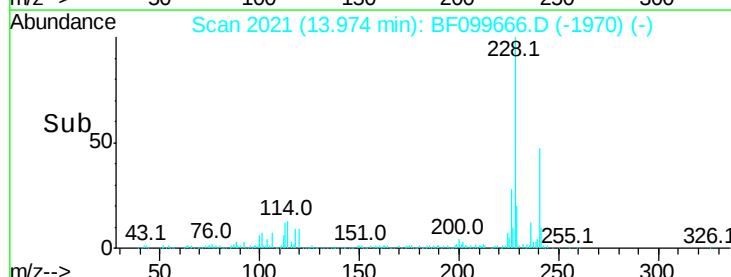
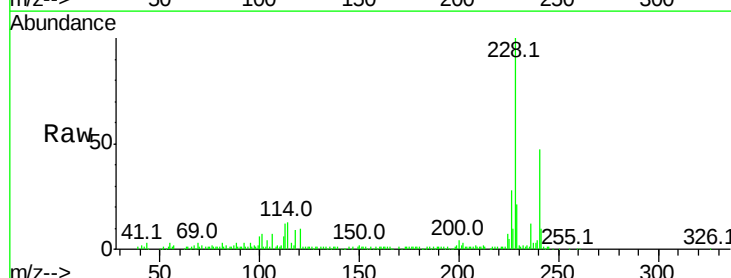
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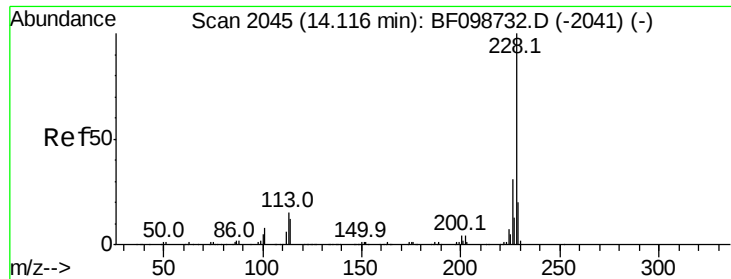
Sohil
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#80
 Benzo(a)anthracene
 Concen: 9.246 ng
 RT: 13.97 min Scan# 2021
 Delta R.T. -0.00 min
 Lab File: BF099666.D
 Acq: 19 Oct 2017 19:31

Tgt Ion	Ratio	Lower	Upper
228	100		
226	28.3	22.6	33.8
229	20.8	15.8	23.6





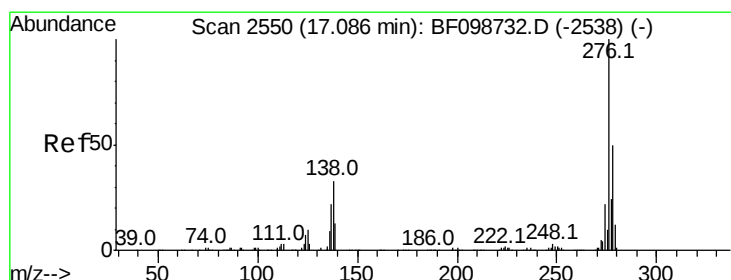
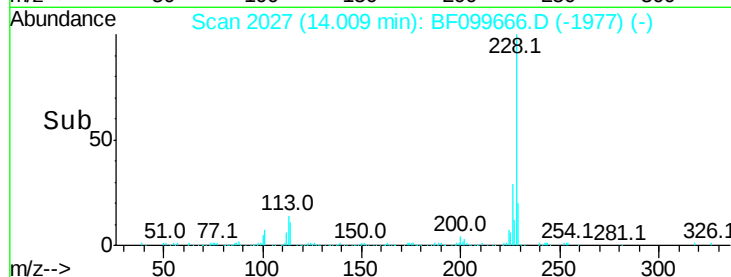
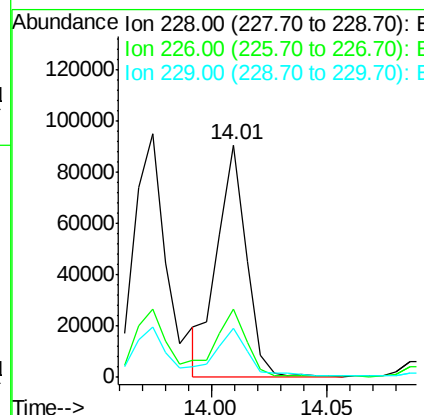
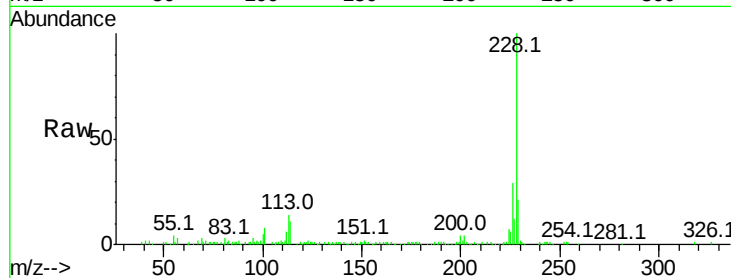
#82
Chrysene
Concen: 8.720 ng
RT: 14.01 min Scan# 2027
Delta R.T. -0.01 min
Lab File: BF099666.D
Acq: 19 Oct 2017 19:31

Instrument :
BNA_F
ClientSampleId :
B-19(0-10)COMP

Tot Ion:	228	Resp:	79212
Ion Ratio	Lower	Upper	
228	100		
226	29.4	25.0	37.6
229	21.2	16.2	24.4

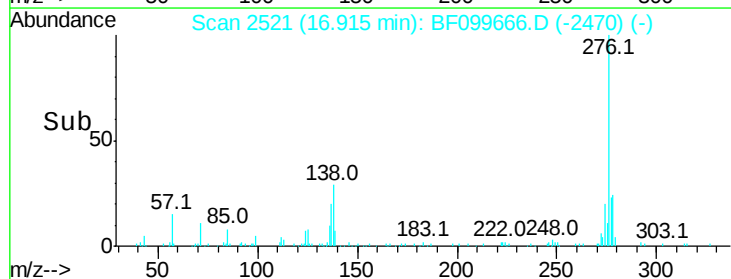
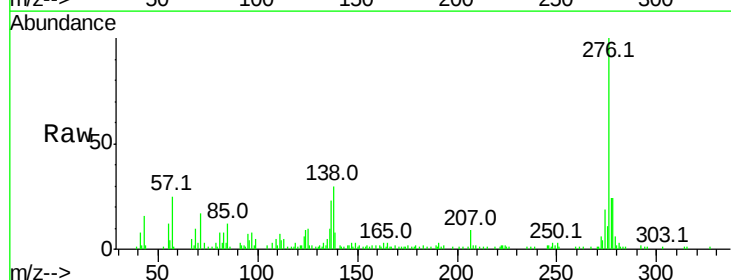
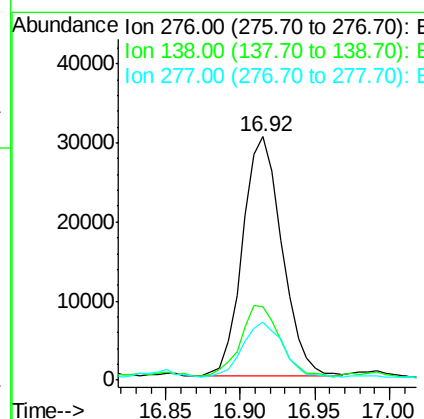
Manual Integrations
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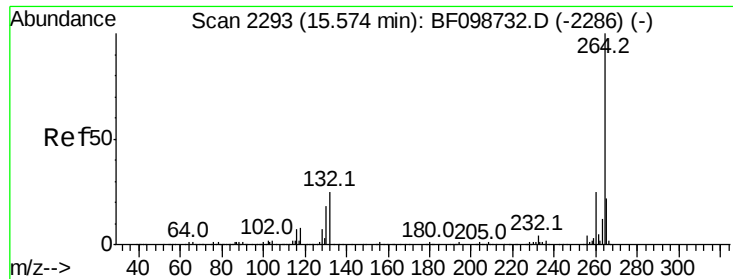
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#85
Indeno(1,2,3-cd)pyrene
Concen: 7.662 ng
RT: 16.92 min Scan# 2521
Delta R.T. -0.00 min
Lab File: BF099666.D
Acq: 19 Oct 2017 19:31

Tgt Ion:	276	Resp:	55676
Ion Ratio	Lower	Upper	
276	100		
138	30.0	25.0	37.6
277	25.1	20.1	30.1





#86

Pervlene-d12

Concen: 20.000 ng

RT: 15.44 min Scan# 2271

Delta R.T. 0.01 min

Lab File: BF099666.D

Acq: 19 Oct 2017 19:31

Instrument :

BNA_F

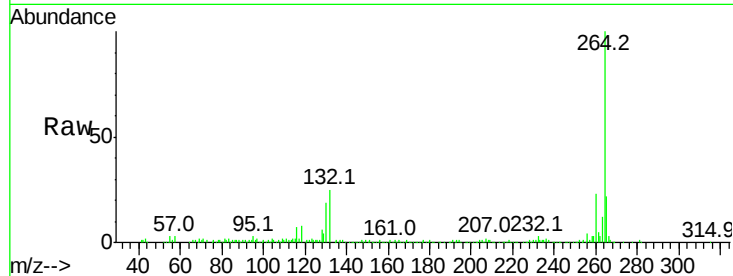
ClientSampleId :

B-19(0-10)COMP

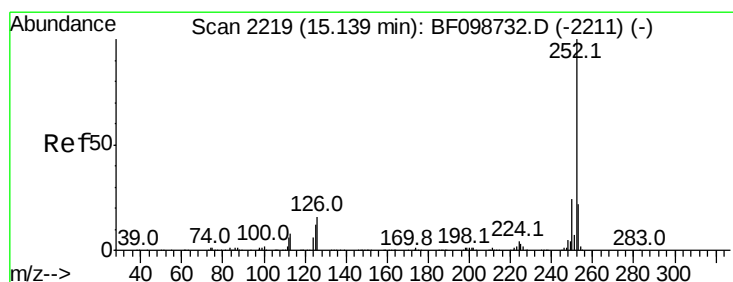
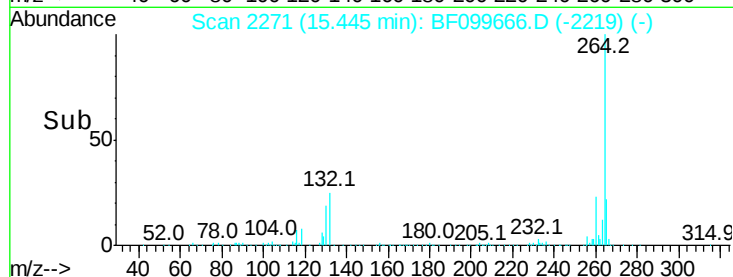
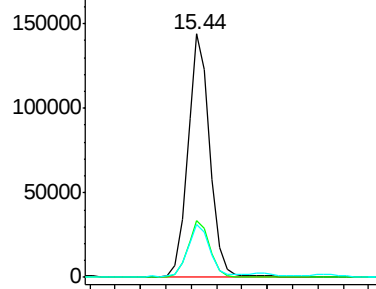
Tot Ion:	264	Resp:	174194
Ion Ratio		Lower	Upper
264	100		
260	23.4	19.2	28.8
265	21.9	17.5	26.3

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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: 11.558 ng m

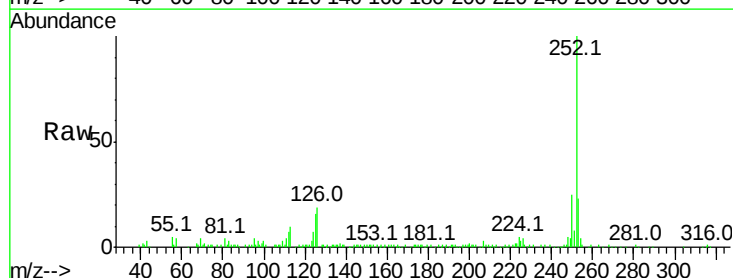
RT: 15.02 min Scan# 2199

Delta R.T. -0.00 min

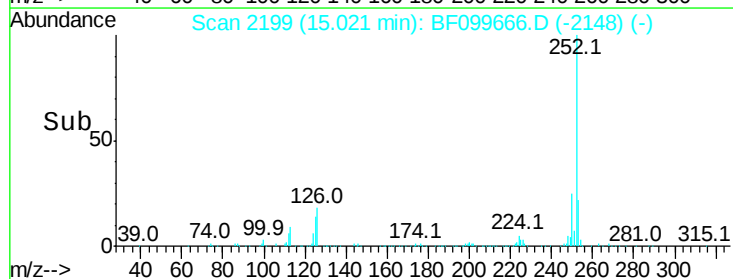
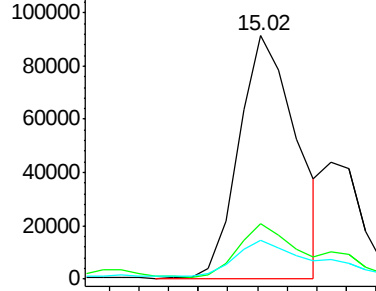
Lab File: BF099666.D

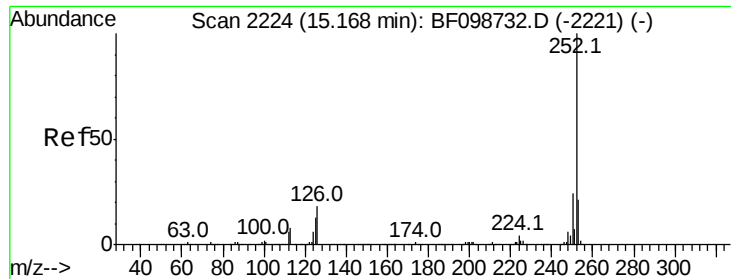
Acq: 19 Oct 2017 19:31

Tgt Ion:	252	Resp:	123790
Ion Ratio		Lower	Upper
252	100		
253	22.7	17.0	25.6
125	15.8	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





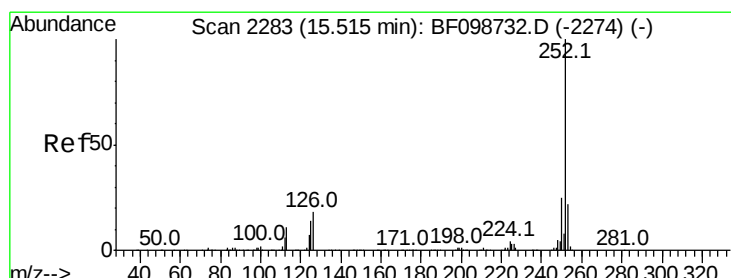
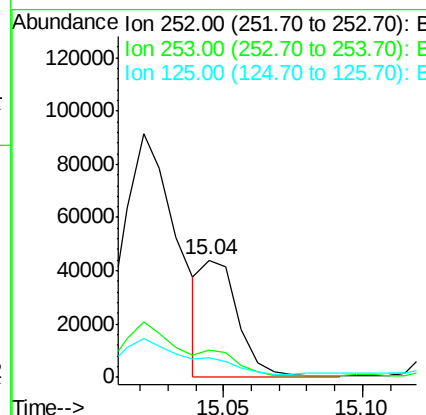
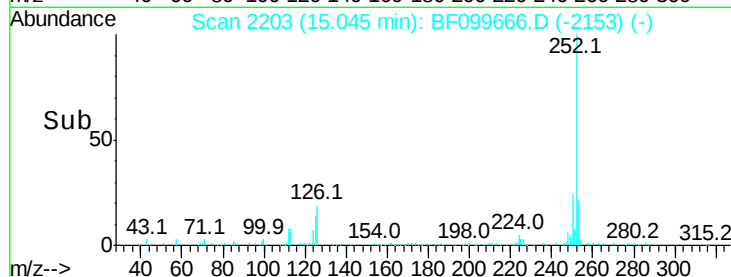
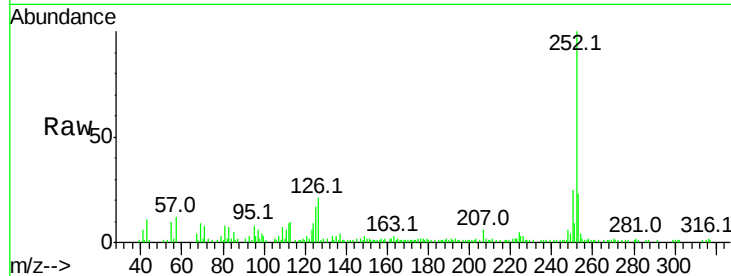
#88
Benzo(k)fluoranthene
Concen: 3.815 ng m
RT: 15.04 min Scan# 2203
Delta R.T. -0.01 min
Lab File: BF099666.D
Acq: 19 Oct 2017 19:31

Instrument :
BNA_F
ClientSampleId :
B-19(0-10)COMP

Tot Ion	Ratio	Lower	Upper
252	100		
253	22.9	17.9	26.9
125	17.0	10.2	15.2

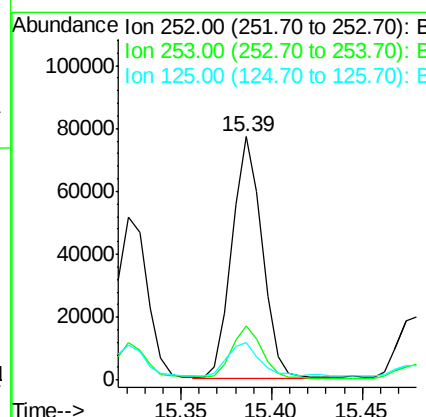
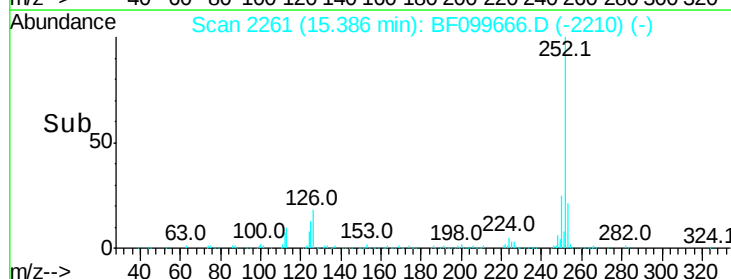
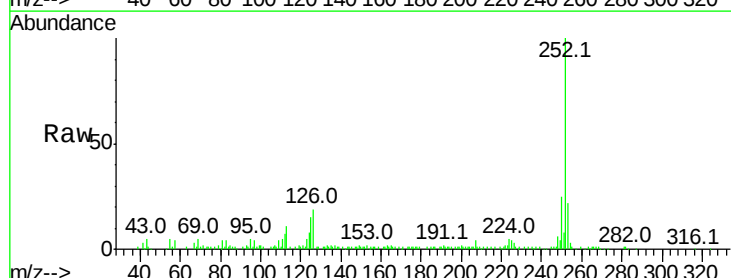
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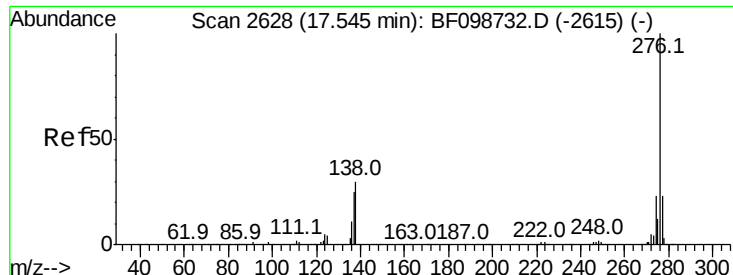
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#89
Benzo(a)pyrene
Concen: 9.112 ng
RT: 15.39 min Scan# 2261
Delta R.T. -0.00 min
Lab File: BF099666.D
Acq: 19 Oct 2017 19:31

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.1	17.1	25.7
125	15.3	9.8	14.6





#91
 Benzo(a,h,i)perylene
 Concen: 7.207 ng
 RT: 17.36 min Scan# 2597
 Delta R.T. 0.01 min
 Lab File: BF099666.D
 Acq: 19 Oct 2017 19:31

Instrument :
 BNA_F
 ClientSampleId :
 B-19(0-10)COMP

Tot Ion:	276	Resp:	56052
Ion Ratio	Lower	Upper	
276	100		
277	23.4	17.9	26.9
138	30.4	21.8	32.8

Manual Integrations
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